APPLICATION OF MINEWALL 2.0 TO THREE MINESITES

MEND Project 1.15.2c

This work was done on behalf of MEND and sponsored by
BHP Minerals' Island Copper Mine
Noranda Minerals' Bell Mine
British Columbia AMD Task Force and
the Canada Centre for Mineral and Energy Technology (CANMET)
through the CANADA/British Columbia Mineral Development Agreement

September 1995

MINEWALL 2.0

APPLICATION OF MINEWALL 2.0 TO THREE MINESITES

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Latest Revision: September 15, 1995

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1. INTRODUCTION AND OBJECTIVES

Minesites can consist of many components including the mine itself (pits and underground workings), tailings impoundments, waste-rock dumps, ore stockpiles, plantsites, building foundations, and roads. Any component can affect the chemistry of water flowing over, or through, it by various geochemical processes. These processes include the leaching of metals and nonmetals at neutral, acidic, and alkaline pH and the oxidation of sulfide minerals.

Case studies of water chemistry and geochemical processes in tailings impoundments are generally available (e.g., Jambor and Blowes, 1994). Similar studies for mine-rock piles including roads and foundations are less common, but still available (e.g., Morin et al., 1991). However, geochemical investigations of pits and underground workings ("mines") are rarer.

In order to better understand and predict water chemistry in and around mines in Canada, the Canadian Mine Environment Neutral Drainage (MEND) Program and the British Columbia Acid Mine Drainage Task Force sponsored a project now known as MINEWALL 1.0 (Morin, 1990). That study involved (1) a literature review, (2) a one-time geochemical assessment of the Main Zone Pit at Equity Silver Mines (British Columbia), (3) the development of a rudimentary site-specific computer program for predicting pit-water chemistry (MINEWALL 1.0), and (4) recommendations for conducting pit-water assessments.

MEND and the Task Force decided to expand and refine MINEWALL, leading to MINEWALL Version 2.0. This is one of four reports describing MINEWALL 2.0, which is both a simple technique for predicting water chemistry in mines and a computer program to assist with predictions for complex scenarios. MINEWALL 2.0 is based on literature reviews of relevant theory, testwork, and past studies, some over 30 years old (summarized in Morth et al., 1972). As a result, the technique and program were designed to be flexible and widely adaptable to many site-specific conditions.

The following sections of this report present the results of simulating three mines with MINEWALL 2.0. Because MINEWALL is a relatively new technique, not all required information was available for the simulations (Appendix A), but company reports have provided much of the input data. Other input values were estimated or obtained by fitting monitoring data to simulations of current conditions. As a result, this report also illustrates the importance of various input data and the strengths and weaknesses of the MINEWALL 2.0 computer program.

In addition to this Application report, there are three other related reports. The first is a User's Manual for the computer program. This Application supplements that document by illustrating the use of the program and input data. However, this report is not a substitute for the User's Manual and the reader should be familiar with it before proceeding.

The second related report is the Programmer's Notes and Source Code. That document discusses some of the more technical aspects of MINEWALL's programming and contains a listing of MINEWALL 2.0's roughly 24,000 lines of code. The third related report is the Literature Review and Conceptual Models which presents the conceptual models and case studies on which the design of MINEWALL 2.0 was based.

2. PLACER DOME'S EQUITY SILVER MINES

Equity Silver Mines, now closed, is located in central British Columbia and consisted of several open pits, waste-rock dumps, and a tailings impoundment (Equity Silver Mines, 1989; Patterson, 1990). As part of the MINEWALL 1.0 studies (Morin, 1990), the Main Zone Pit at Equity Silver Mines In British Columbia was studied and simulated. Because the simulation was made by the rudimentary MINEWALL 1.0 program, it is re-simulated here for comparison.

2.1 Input Data

The primary question to be answered by the simulation was whether the pit water would become acidic as the pit filled naturally. During operation, the pit was consistently pH-neutral typically between 6.8 and 8.2, but acidic drainage from adjacent waste rock and tailings raised the concern over pit water. MINEWALL 1.0 indicated the pit water would remain pH-neutral for at least decades. To re-address this question, pH and concentrations of acidity, alkalinity, and sulfate (the minimum parameters for a MINEWALL 2.0 simulation) were again predicted through time.

At Equity Silver's Main Zone Pit, four MINEWALL Stations were established with an additional Station located in the adjacent Southern Tail Pit (Morin, 1990) in order to define unit-area reaction rates. These stations were rinsed only once, so variations of reaction rates through time remain unknown, which means that any decrease in rates caused by a "shrinking core" or by limitation of oxygen diffusion remains undefined.

Based on the single rinse event, unit-area reaction rates were calculated (Morin, 1990) from chemical analysis and volume of the rinse water, isolated area of each station, and elapsed time since last rinse (rainfall). Three of those Stations, Nos. 1, 4, and 5, were considered representative and were thus averaged and used in the simulations.

Most of the input data were taken from the MINEWALL 1.0 studies and is reproduced in Appendix C of this report. Appendix C is a formatted copy of the "Write Report" Output option in MINEWALL 2.0 (see User's Manual).

Since the original MINEWALL 1.0 simulation, knowledge of geochemical processes behind metal leaching and acidic drainage has improved. For the simulation of Equity Silver Mines, this led to several important revisions in the input data.

Firstly, there is better recognition that not all neutralization potential (NP) detected in an Acid-Base Account is available and reactive. As a result, rock with a detectible NP can also produce net acidity at the time of analysis. The amount of unreactive NP varies among minesites and rock types at a minesite, but is often reported in the range of 5 to 15 t $CaCO_3$/1000 t. The value for Equity is not known, but is assumed here to be 10 t $CaCO_3$/1000 t. As a result, the NP for the three rock units in the pit were adjusted by subtracting 10 from the value. This led to no reactive NP in Unit 3 (Volcanics #2) at the start of the simulation. Because reaction rates often accelerate in the absence of NP, the sulfate/acid-generation rate for Unit 3 was arbitrarily assumed to be five times higher than for the other two units.

Secondly, MINEWALL 1.0 used the measured leaching rate of alkalinity as the consumption rate of NP. In reality, alkalinity is the additional NP, sometimes derived from atmospheric CO_2, after the acidity represented by sulfate is neutralized. The amount of NP consumed during neutralization can be estimated, if mineralogy is delineated properly, from aqueous concentrations of calcium, magnesium, sodium, and/or potassium (e.g., Ferguson and Morin, 1991; Morin and Hutt, 1994a). However, concentrations of these ions were not measured in the Main Zone Pit and thus an accurate estimate of NP consumption is not available. As a result, a consumption rate of two times that of acid generation is assumed and is reasonable for a carbonate-mineral-controlled system (Morin et al., 1995c and d).

Thirdly, work has been carried out recently, and is currently being assessed through MEND,

on the correlation of one aqueous parameter with another (Morin and Hutt, 1993a; Morin et al., 1995a and b). This "empirical" approach simplifies the assessment and prediction of various geochemical reactions such as aqueous complexation, mineral precipitation-dissolution, and ion exchange. This simplification is achieved through the prediction of mean concentrations and seasonal variabilities based on the value of one independent parameter, typically pH. This empirical approach is included as an option in MINEWALL 2.0 and was hinted at in the MINEWALL 1.0 documentation. Based on the pH-concentration scatterplots in the MINEWALL 1.0 document, empirical relationships were developed for acidity and alkalinity in the Main Zone Pit:

$$\log_{10}(\text{Alk, mg/L}) = 0.301\ \text{pH} - 0.107$$

$$\log_{10}(\text{Acid, mg/L}) = -0.575\ \text{pH} + 4.313$$

These equations were mathematically inverted by MINEWALL in order to predict pH from the net balance of acidity or alkalinity. Sulfate concentrations were determined by simply mass balance and no additional geochemical controls were defined for it. As a result, sulfate concentrations could (but did not) exceed levels ordinarily set by gypsum solubility. This does not introduce any errors into the simulation, but indicates that predicted sulfate concentrations cannot be compared to any measured data as evidence of validity.

Fourthly, the maximum depth of oxidation was set at 0.01 m, greater than the value of 0.002 m in the MINEWALL 1.0 report. This adjustment reflects the ongoing oxidation and leaching in the pit walls, which had reached 0.002 m in 1990. For the simulations, the adjustment makes no difference in the predictions, because this thickness is not depleted during the time of simulation. Additionally, no decay factor has been included in the reaction rates to simulate a "shrinking core" or similar scenario behind the walls, due to lack of rate data over extended periods of time.

2.2 Results of Simulations

The major input parameters that could not be estimated or measured were the percentages

of rock surfaces that were flushed regularly, periodically, and not during Operation. Consequently, these percentages were obtained by calibrating MINEWALL 2.0 to Operational conditions and adjusting the percentages until reasonable matches to Operational pH were obtained (Figure 2-1). For example, an unreasonably high percentage of periodically flushed and regularly flushed surfaces created anomalously high or low pH values in the pit sump, which had never actually been measured. Conversely, an unreasonably low percentage created low or high pH values, due to simple dilution of alkalinity (the relationship of pH to alkalinity is discussed in Section 2.1) or the dominant alkalinity from saturated groundwater flow, respectively.

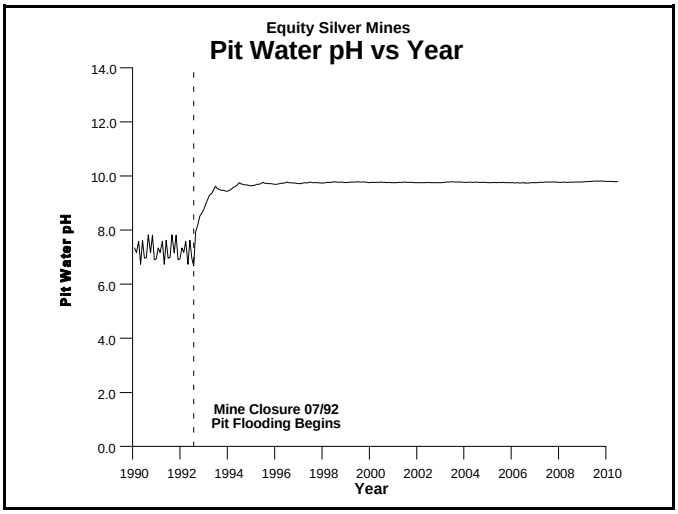

FIGURE 2-1. Simulated pH in the Main Zone Pit at Equity Silver Mines.

The best-fit calibration of MINEWALL 1.0 indicated that 28%, 2%, and 70% of the rock surfaces were flushed regularly (monthly), periodically, and not during Operation, respectively. The best-fit simulation by MINEWALL 2.0 (Appendix C) confirmed that these are reasonable values, but the simulated results were essentially unaffected by changes in the first value below roughly 40%.

After the calibration to Operational data, MINEWALL was then used in predictive mode for Closure. The best-fit simulation indicated that pH would quickly rise from around 7 during Operation to almost 10 early in Closure (Figure 2-1) due to the flushing of accumulated net alkalinity from the rock surfaces. In reality, pH may not reach 10 due to aqueous buffering and mineral solubility, but the important conclusion is that the pit water is not expected to become acidic, in agreement with predictions of MINEWALL 1.0.

3. NORANDA MINERAL'S BELL MINE

Bell Mine is located near Granisle in central British Columbia. This open-pit mine closed in 1993 after operating for about twenty years and a formal Closure plan was submitted in 1993 for regulatory approval (Noranda Minerals Inc., 1993; McArthur and Gallinger, 1994). A portion of the Closure plan involved an assessment of acidic drainage and metal leaching based on over 200 acid-base accounts, seven humidity cells, four sizes of leach testwork (1 kg to 30 t), and over 10 years of monitoring data around the minesite (Morin and Hutt, 1993a and b; Morin et al., 1995a). This information provided most of the information for the MINEWALL simulations of Bell Mine.

3.1 Input Data

As part of MINEWALL 2.0 studies, six MINEWALL Stations were established on various rock types and underwent four rinses over a period of two months (Appendix B). Reactive rock-surface area in this pit was estimated at a ratio of 28 m^2 of reactive surface for each m^2 of visible surface. The distribution and areas of each rock type were estimated from a geologic map of Bell Mine (Figure 3-1).

The data used in the simulation of this pit are listed in Appendix D. This information, except for the results of the MINEWALL Stations, was obtained from the closure documents. The decay of reaction rates through time was set as proportional to $(\text{elapsed days})^{-0.10}$, based on temporal trends noted in the closure humidity cells.

Geochemical controls on aqueous pH and concentrations were simulated using empirical relationships developed for the closure plan. Based on the net balance of acidity and alkalinity, the pH was calculated from these equations. Concentrations of copper were then calculated based on the prevailing pH of the time interval. Sulfate concentrations were determined through mass balance, which allowed concentrations to exceed levels normally maintained by gypsum

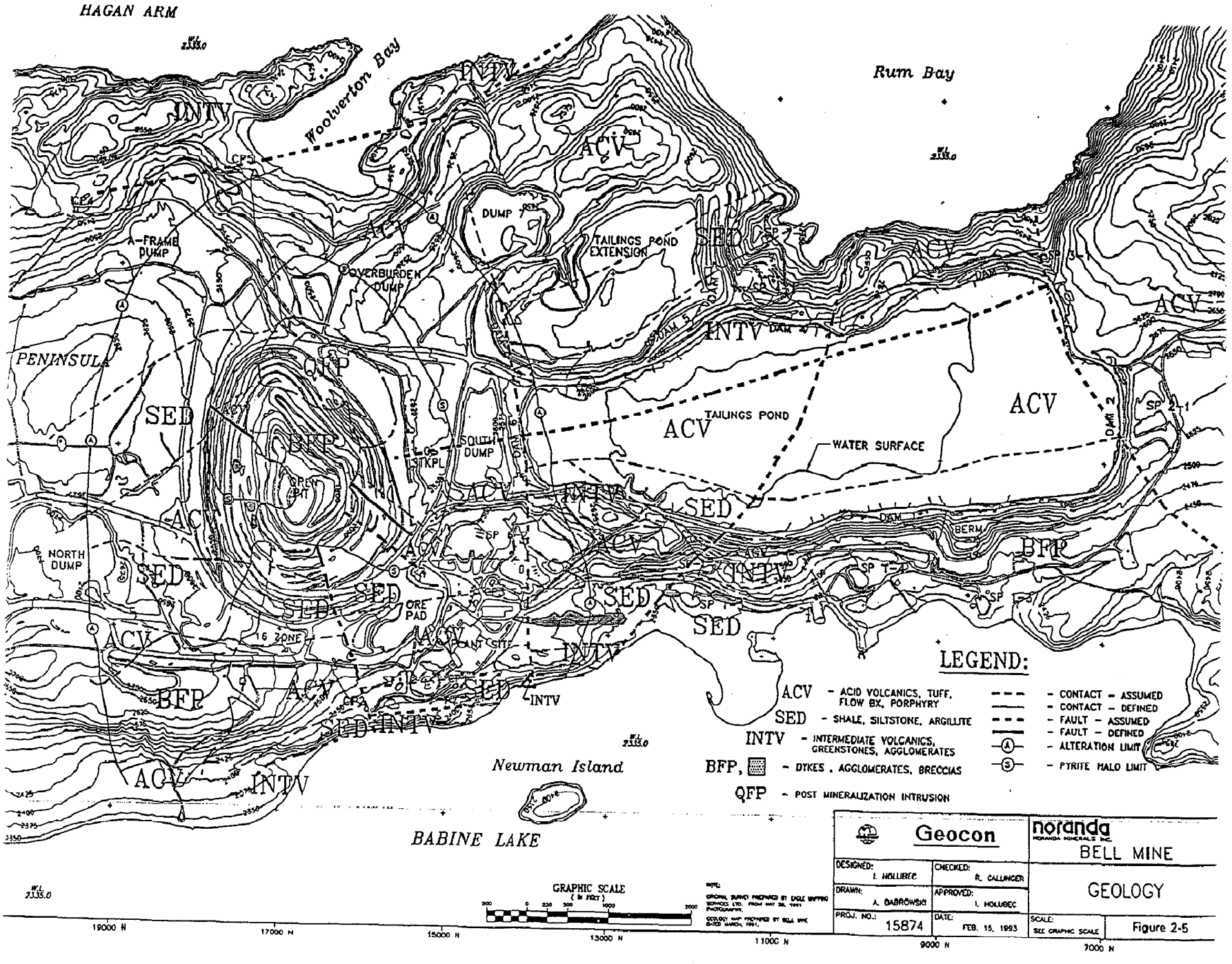

FIGURE 3-1. Geologic Map of Rock Units at Bell Mine (Noranda Minerals Inc., 1993).

solubility. This did not introduce any errors into the simulations, but provided an indication of total mass loadings prior to any geochemical reactions. This loading information can also be obtained from the "total loadings" option in the output routines of MINEWALL 2.0.

The closure documents indicate that the acid-base accounting of each rock unit is variable and most units have roughly the same mean values. The ABA samples from the MINEWALL stations continued to confirm the variability. As a result, the input levels of reactive sulfide were made identical for all units (2.0 wt-%S). Similarly, neutralization potential for all units was set at 40 t $CaCO_3$/1000 t.

Reaction rates for submerged rock were set to zero. However, there is some debate on the reactivity of submerged sulfide minerals in contact with dissolved oxygen (e.g., Morin, 1993). MINEWALL contains an option for regulating subaqueous reaction rates through dissolved oxygen if a site requires this.

The closure documents for Bell Mine indicated that water with environmentally unacceptable chemistry will be pumped to the pit. This water is expected to be predominantly acidic after a few decades, but the pumpage for many years may be metal-bearing pH-neutral water. Consequently, there were two simulations made for Bell Mine Closure: pH-neutral and acidic pumpage.

3.2 Results of Simulations

The results of the best-fit simulations with pH-neutral and acidic pumpage, respectively, are listed in Appendix D. Average unit-area rates for each rock unit, based on the MINEWALL Stations (Appendix B), were used in the simulations, except for Tuff. The average rates from this unit caused the pit to be acidic during Operation, which was incorrect (Figure 3-2). Decreasing the rates of acid generation and neutralization in this unit by 25% allowed the other units to supply sufficient alkalinity to neutralize the acidity from the Tuff. This highlights the

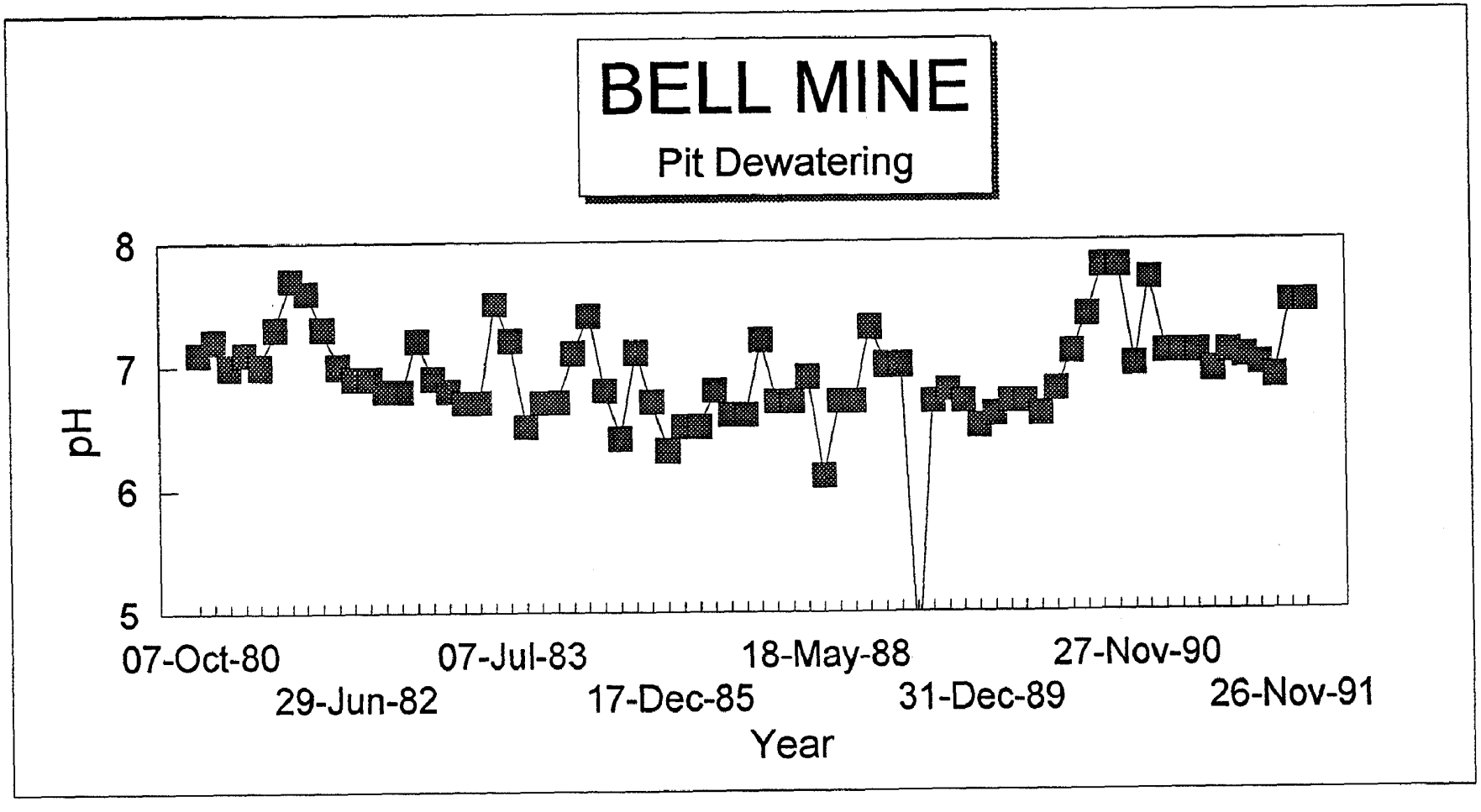

FIGURE 3-2. Measured pH in Pit Water Pumpage at Bell Mine.

sensitivity of the Bell Mine simulation to surface reaction rates.

The major input parameters that could not be estimated or measured were the percentages of rock surfaces that were flushed regularly, periodically, or not during Operation. Consequently, these percentages were obtained by calibrating MINEWALL 2.0 to Operational conditions and adjusting the percentages until reasonable matches to Operational pH (Figure 3-2) were obtained. The best-fit calibration indicated that 18%, 2%, and 80% of the rock surfaces were flushed regularly (monthly), periodically, and not during Operation, respectively. The simulations were not sensitive to minor changes in these values.

The two simulations of Closure were essentially identical for several decades (Figures 3-3 and 3-4). Afterwards, the acidic pumpage began to offset the alkalinity accumulated in the pit and caused pH to decrease towards 5. The anomalous jump in pH to 9 late in the acidic simulation was an artifact of the empirical equations which are not accurate at low concentrations of alkalinity and acidity. At that point, acidity dominated over alkalinity, but the small net acidity led to a predicted pH of 9.1. As net acidity increased quickly to typical site values, the pH quickly became more reasonable.

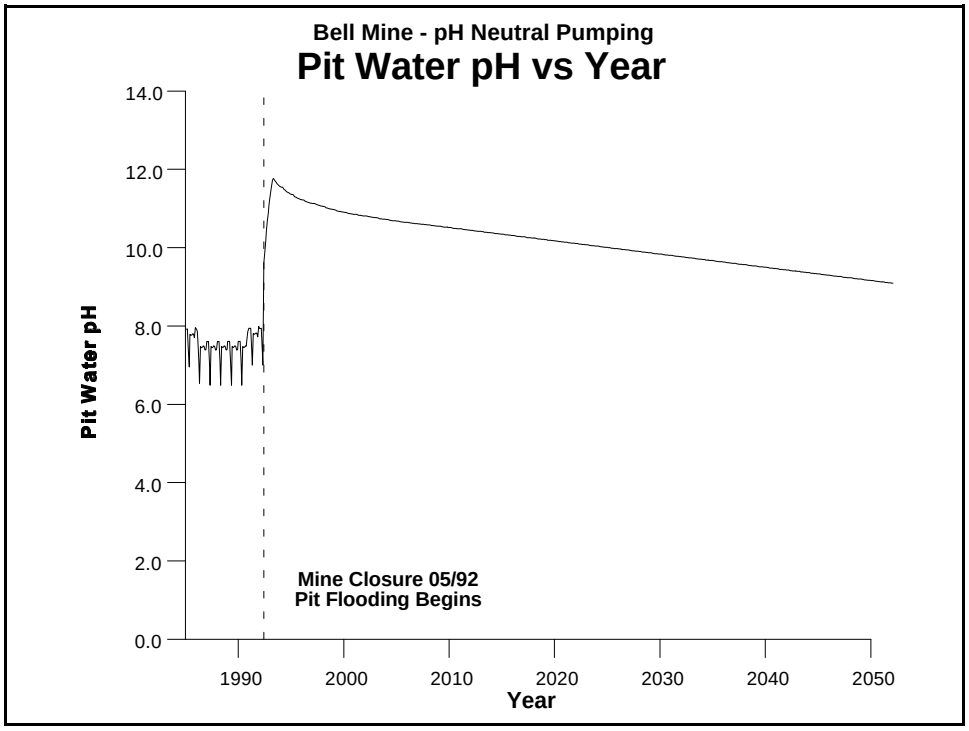

FIGURE 3-3. Simulated pH in Bell Mine Pit with pH-Neutral Pumpage.

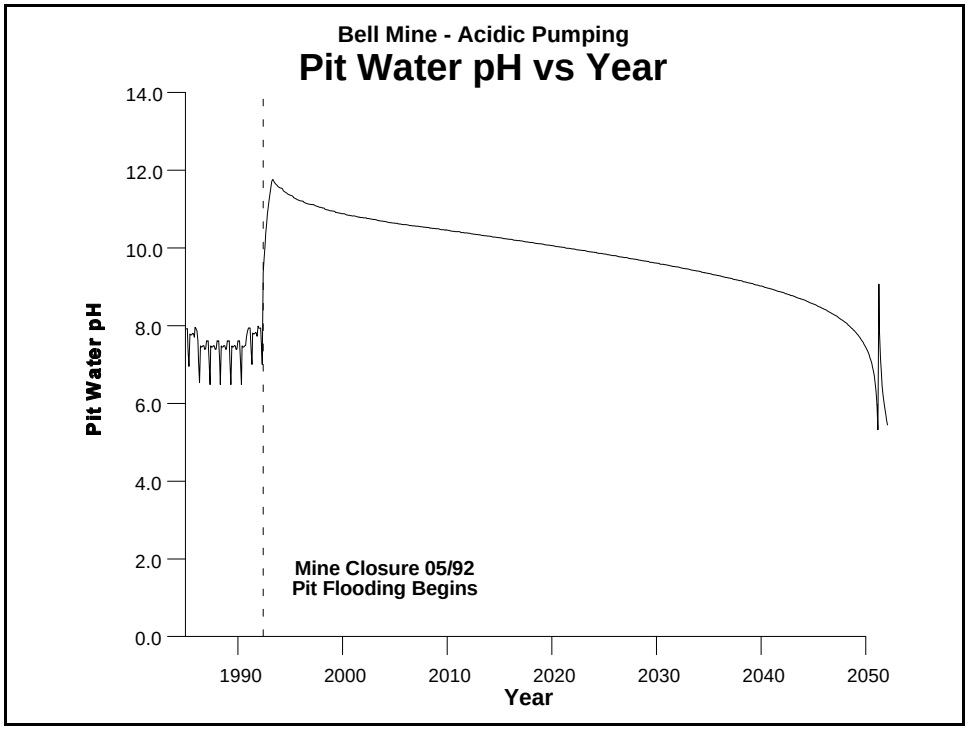

FIGURE 3-4. Simulated pH in Bell Mine Pit with Acidic Pumpage.

4. BHP CANADA'S ISLAND COPPER MINE

Island Copper Mine is located on the northern end of Vancouver Island, near Port Hardy, British Columbia. This mine has operated since 1971 and closed in 1995 (Horne, 1993; Island Copper Mine, 1994).

4.1 Input Data

Five MINEWALL Stations were established in the pit and rinsed 16 times over 1.5 years (Appendix B). Reactive rock-surface area was estimated at a ratio of 161 m^2 of reactive surface to 1 m^2 of visible surface. Other input values are listed in Appendix E.

The rock units in the upper pit, which will be exposed after flooding of the pit, have been qualitatively ranked by their contents of sulfide and neutralization potential (Figures 4-1 and 4-2 from Fleming, 1993). Average numeric values for these parameters were then estimated from the ranking data (Appendix E).

The distribution of the rock units in the upper pit is irregular and likely remains so to the bottom of the pit. Information near the middle depth of the pit for the south-wall pushback confirmed this (Island Copper Mine, 1988). As a result, the percentage of each unit on the upper wall from Fleming (1993) was assumed to be representative of the entire pit.

The fifth rock unit is actually in-pit waste rock, which is currently acidic. The total weight of waste rock is estimated at 11.5×10^6 t, representing an estimated reactive surface area of 3.1×10^8 m^2. This surface area exceeds that of most of the other units, making this waste rock one of the most important units. However, no reaction rates or other details are available for it, so it is assumed to be identical to the Strongly Acid Generating Unit (#4). For the simulations, 85% of the waste-rock surfaces are assumed to be flushed during Operation, consistent with waste-rock retention factors

in the literature (e.g., Morin and Hutt, 1994b).

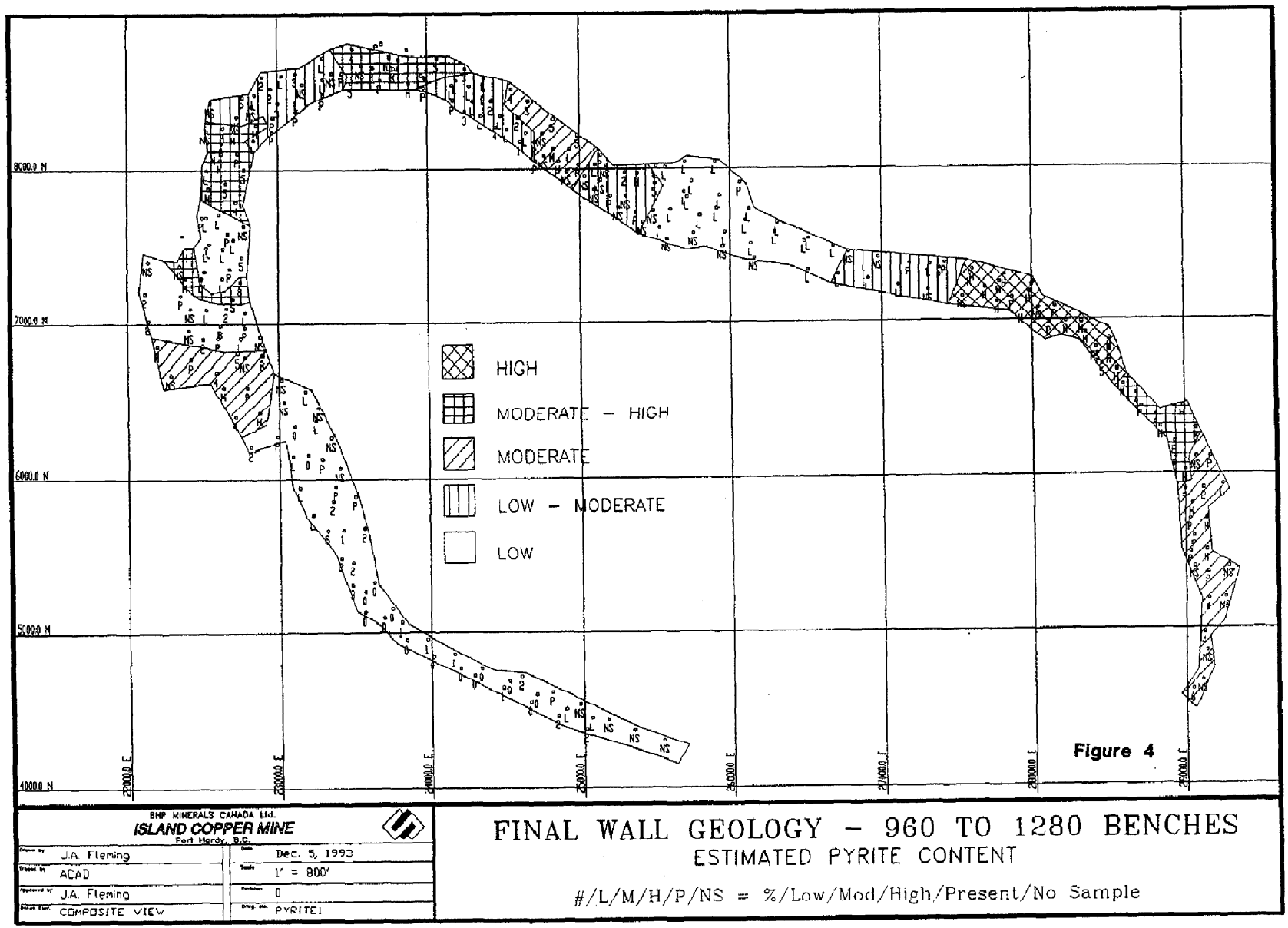

FIGURE 4-1. Estimated Pyrite Content of Upper Pit Walls at Island Copper Mine (Fleming, 1993).

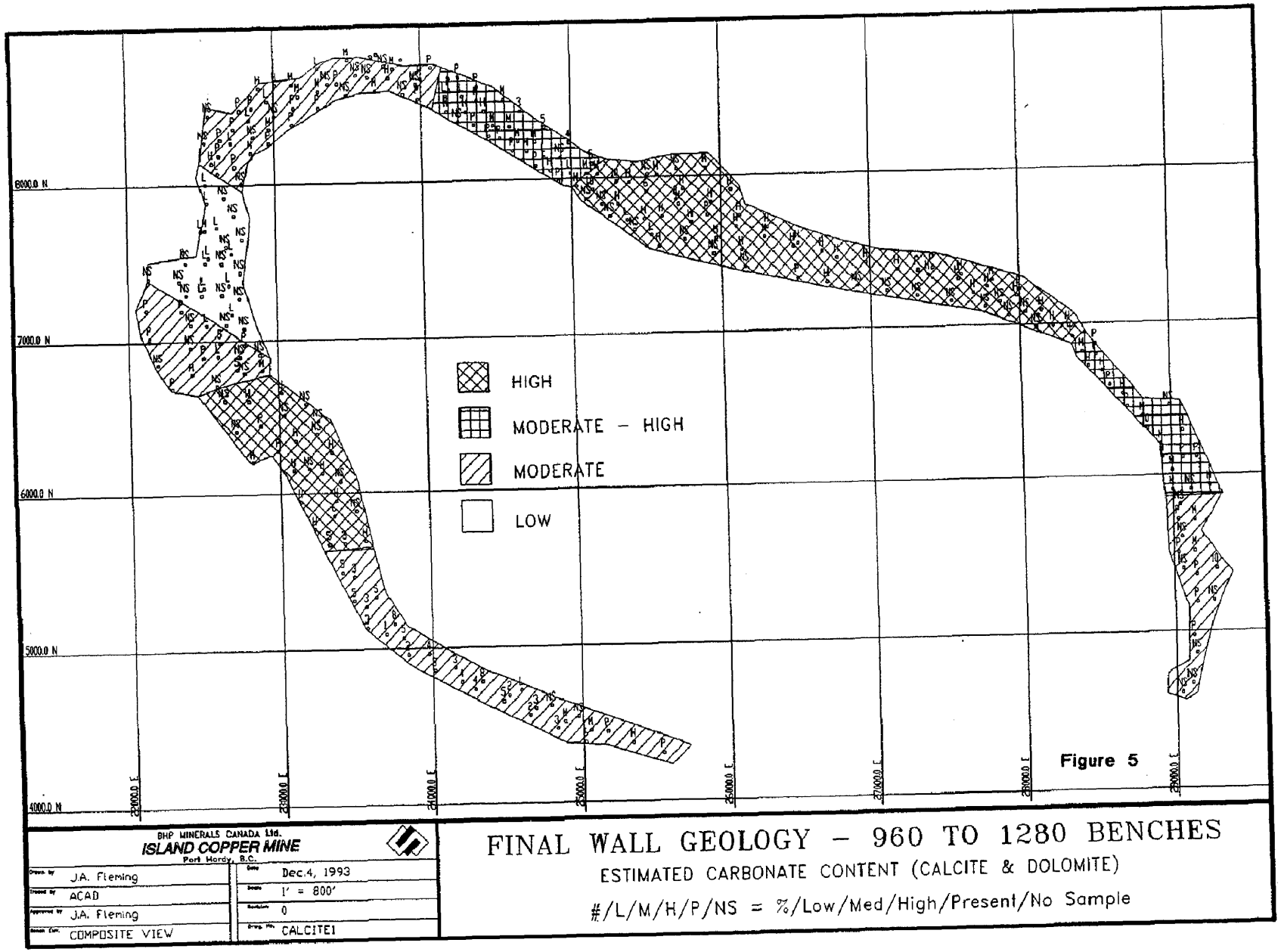

FIGURE 4-2. Estimated Carbonate Content of Upper Pit Walls at Island Copper Mine (Fleming, 1993).

Measured concentrations of most monitored parameters display a good correlation with pH at the minesite (Morin et al., 1995b), yielding empirical equations defining mean values and seasonal variabilities at various pH levels. As a result, aqueous pH in the simulations was calculated from the net balance of alkalinity and acidity through the empirical equations. Aluminum, cadmium, copper, and zinc were then determined from the simulated pH. Calcium was set at a specific value to simulate the observed stabilizing effect of gypsum solubility on its concentration. The amount of calcium thus lost from solution can be determined by subtracting the set value from the total-loadings values from MINEWALL output. Sulfate was calculated simply from mass balance, and thus could attain unrealistically high levels which did not affect the accuracy of the simulations.

There are two options for closing the Island Copper Pit: gradual filling and rapid flooding by seawater over a period of a few months. Both of these scenarios have been simulated by MINEWALL 2.0. In both cases, acidic drainage from on-land waste-rock dumps will be directed into the pit after Closure, which was defined as "Pump #2" in the simulations. Chemical data for seawater and waste-rock drainage were taken from closure reports. An important source of alkalinity for the pit water, saturated groundwater, was guessed due to the lack of monitor wells near the pit.

4.2 Results of Simulations

The results of the best-fit simulations are listed in Appendix E. The major input parameters that could not be estimated or measured were the percentages of rock surfaces that were flushed regularly, periodically, and not during Operation. Consequently, these percentages were obtained by calibrating MINEWALL 2.0 to Operational conditions and adjusting the percentages until reasonable matches to Operational pH (Figure 4-3) were obtained. The best-fit calibration indicated that 30%, 5%, and 65% of the rock surfaces were flushed regularly (monthly), periodically, and not during Operation, respectively.

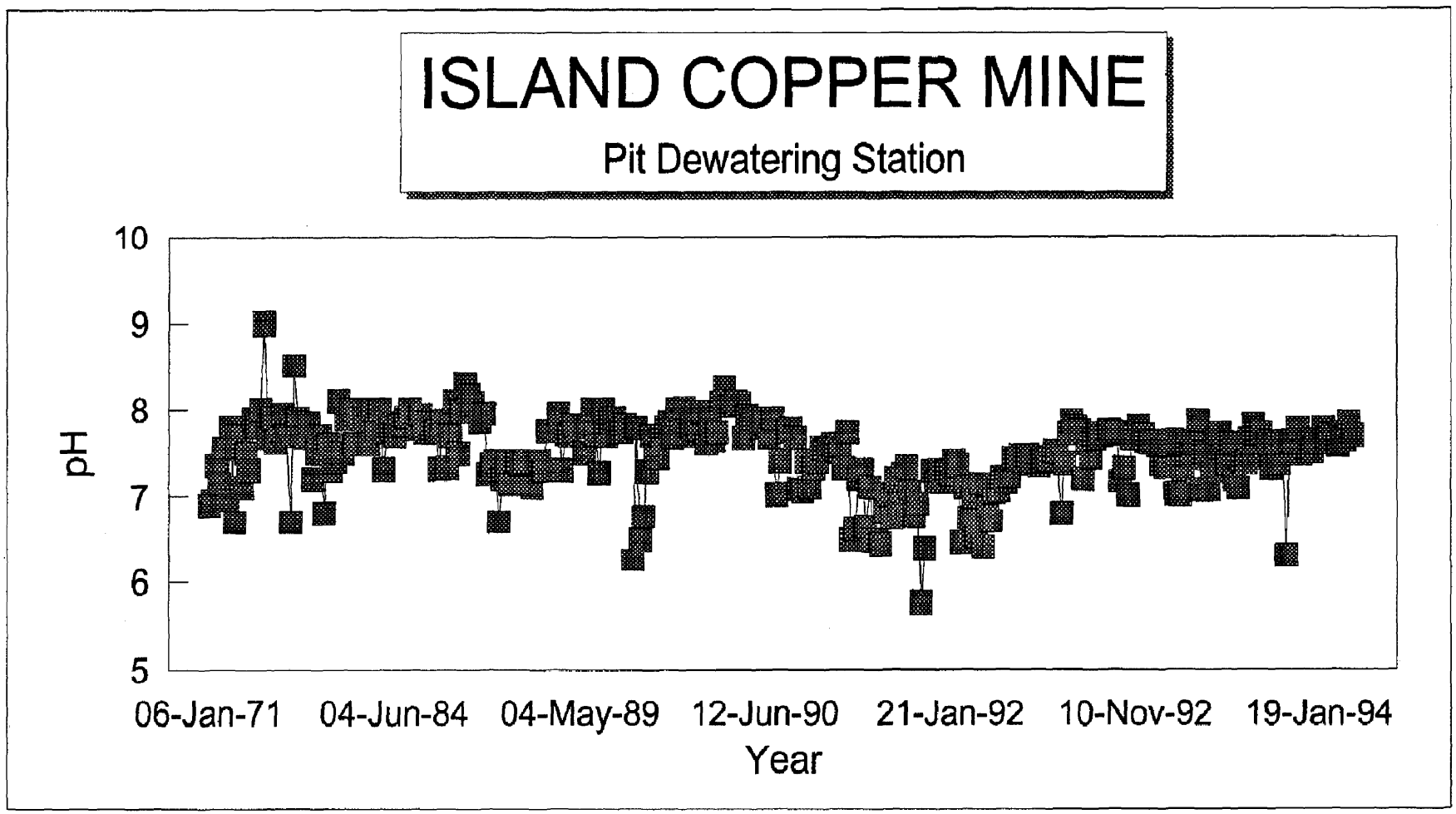

FIGURE 4-3. Measured pH in Pit Dewatering at Island Copper Mine.

These percentages of surfaces were fine-tuned only after generally reasonable pH levels were obtained. However, obtaining initial reasonable pH values was difficult for this pit for two reasons: highly variable precipitation and discrete carbonate-mineral bands in wall rock providing significant alkalinity. Since pH was calculated from net alkalinity, heavy rainfall months of November, December, and January produced significant dilution, which in turn caused pH to incorrectly fall to 4-5, which has not been observed in pit pumpage (Figure 4-3). As a result, precipitation during these three months was given an alkalinity of 20 mg/L. The opposite problem arose during the dry month of July when pH approached 10. To stabilize this pH, precipitation was given an acidity of 300 mg/L.

The artificial assignment of alkalinity and acidity to rainfall is the result of (1) the prediction of pH solely from net alkalinity and (2) the distribution of carbonate minerals as bands in the pit (Fleming, 1993), which have not been evaluated in detail. The first problem requires equilibrium-chemistry routines, which are not available in MINEWALL 2.0. The second problem is more important.

Despite artificial additions of alkalinity, simulated pH values remained anomalously low and required a significant addition of alkalinity. This was attributed to the carbonate bands in the pit walls, which were not monitored by any MINEWALL Stations. These bands must release a great deal of alkalinity each month, because the estimated alkalinity of saturated groundwater inflow had to be raised from 200 mg/L to 1200 mg/L before reasonable pH levels were obtained (Figure 4-4). In any case, after this task, the percentages of flushed rock surfaces were refined, resulting in the best-fit simulations of the closure scenarios.

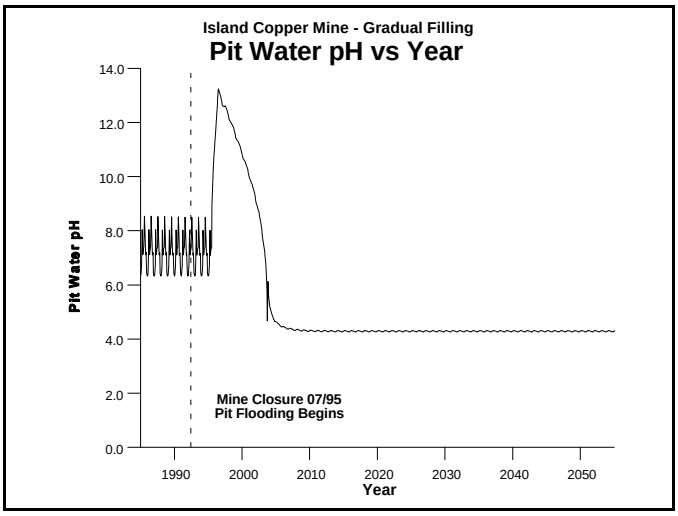

FIGURE 4-4. Simulated pH in Island Copper Pit with Gradual Filling.

For the first scenario of gradual filling after Closure, the first simulation (not shown) indicated the pit would fill within a few years due to flow from the surrounding waste-rock dumps and other flows. Also, pH was found to stabilize over the long term at 6.0-6.3 over an annual period. To investigate the effect of adding more acidic drainage from the surrounding on-land dumps, the flow of acidic drainage from these dumps was multiplied by 30, resulting in an 30-fold increase in loading of acidity and metals to the pit. For this simulation (Figures 4-4 and 4-5), the pit again filled the pit within a few years. However, the acidic drainage from the dumps overwhelmed net alkalinity within a few years with pH falling below 6 by Year 2003 and zinc proportionally increasing. The pH of the pit water then stabilized around 4.3 with a zinc concentration of 300 mg/L. These acidic conditions are apparently due primarily to the pumpage of acidic drainage into the pit, rather than the exposed pit walls which still contained excess neutralization potential.

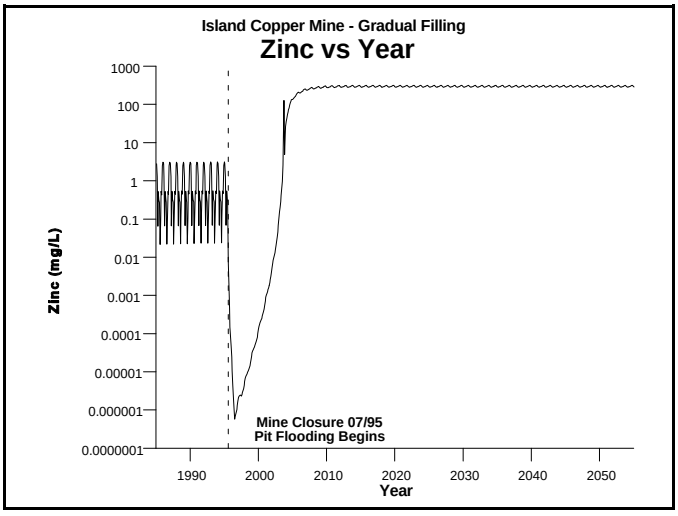

FIGURE 4-5. Simulated Zinc in Island Copper Pit with Gradual Filling.

In the second scenario of seawater flooding (Figures 4-6 and 4-7), the pit filled within a few months and pH reached over 12 as accumulated alkalinity and seawater alkalinity raised total alkalinity to artificially high levels. As dilution and seawater mixing continued, pH fell and stabilized around 8.5 with a zinc concentration of 0.025 mg/L. As a result, the upper, exposed pit walls, which still

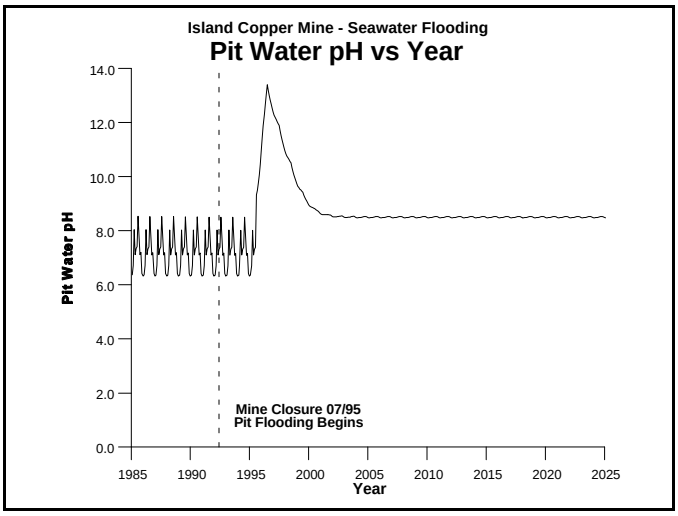

FIGURE 4-6. Simulated pH in Island Copper Pit with Seawater Flooding.

contained excess neutralization potential, and acidic pumpage (30-fold over that expected; see first scenario above) had negligible effect in the simulation of this scenario.

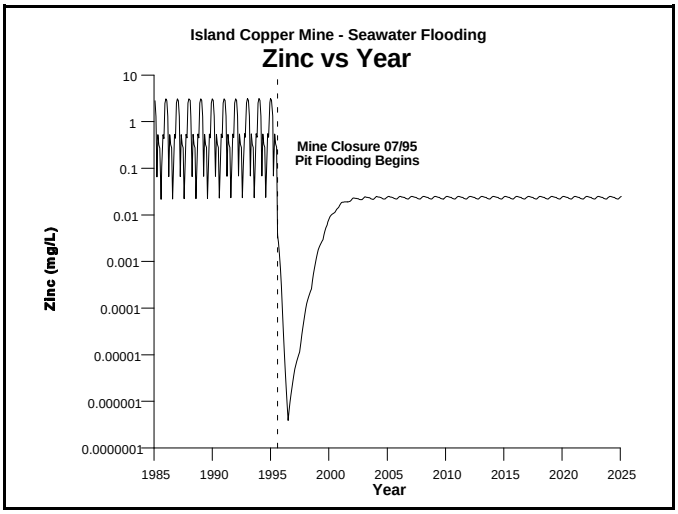

FIGURE 4-7. Simulated Zinc in Island Copper Pit with Seawater Flooding.

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APPENDIX A.

Data Requirements for MINEWALL 2.0 Simulations

MINEWALL VERSION 2.0

rev.

CHECKLIST OF ANTICIPATED DATA REQUIREMENTS

-PHYSICAL

- ☐ Number of geochemically distinct rock units exposed in the walls, their exposed surface area, their orientation within the mine, their elevation, the slope of each unit from horizontal, and the length of time each has been exposed to air.
- ☐ Physical dimensions of the pit or underground workings including wall-surface areas and mine volumes at selected elevations.
- ☐ Weekly temperatures throughout the average year.
- ☐ Weekly precipitation throughout the average year.
- ☐ Weekly flow of water into/through the mine throughout the average year.
- ☐ Weekly flow of groundwater from the saturated zone (beneath the water table) into the mine throughout the average year.
- ☐ Weekly flow of groundwater from the unsaturated zone (above the water table) into the mine throughout the average year.
- ☐ Fracture spacing and fracture depth for each rock unit.
- ☐ Percentage of fracture surface for each rock unit that is flushed by unsaturated flow (see above) weekly, yearly, and not at all during operation.
- ☐ Inventory of all loose rock in the pit area, including total rock surface area.

After Closure:

- ☐ Weekly flow of any water diverted into the mine upon closure throughout the year.
- ☐ Estimated steady-state flow of water through the mine and water elevation after closure and re-establishment of hydraulic equilibrium.

-GEOCHEMICAL

- ☐ Average weekly rates of acid generation and metal leaching for a unit area of wall for each rock unit and for each loose-rock pile throughout the average year
- ☐ All kinetic and equilibrium controls on water chemistry
- ☐ Decay rate of aforementioned rates through decades of years.
- ☐ Average amount of reactive acid-generating minerals exposed on a unit area of each rock unit.
- ☐ Average amount of reactive acid-neutralizing minerals exposed on a unit area of each rock unit.
- ☐ Depth of oxidation within wall fractures for each rock unit.
- ☐ Occasional full chemical analyses of any groundwater from monitor wells, in-mine seeps, and the cumulative mine water (includes pH, specific conductance, alkalinity, acidity, sulfate, chloride, phosphate, dissolved metals such as calcium and copper, total metals).

APPENDIX B.

Monitoring Data from MINEWALL Stations at Two Minesites

MINEWALL STATIONS AT BELL MINE

BELL MINE

MINEWALL FIELD STUDIES

Station BFP

Surface Area (m^2)= 0.335

Date		10-Sep-93	26-Sep-93	14-Oct-93	30-Oct-93	
Time Interval (wk)		2.3	2.3	2.6	2.3	Average
pH, field		7.7	7.1	7.7	6.5	7.25
pH, lab			7.63	6.09	7.18	6.97
Particulates	(grams)	0.7941	0.513	0.683	0.7772	0.6918
Alkalinity	(mg CaCO3/L)	616	172	126	141	264
Acidity	(mg CaCO3/L)	0.5	4.2	21	2.7	7.1
Sulfate	Dissolved (mg/L)	851	478	461	455	561
Silicate, SiO2	Dissolved (mg/L)	*0.5*	*0.5*	*0.5*	*0.5*	0.5
Nitrate	Dissolved (mg N/L)	1.26	0.802	1.04	1.97	1.27
Aluminum	Dissolved (mg/L)	0.1	0.1	0.1	0.1	0.1
Cadmium	Dissolved (mg/L)	*0.005*	*0.005*	*0.005*	*0.005*	0.005
Calcium	Dissolved (mg/L)	598	226	214	178	304
Copper	Dissolved (mg/L)	0.045	0.016	0.008	0.037	0.027
Magnesium	Dissolved (mg/L)	80.3	50.6	40.1	43.4	53.6
Manganese	Dissolved (mg/L)	0.101	0.026	0.02	0.037	0.046
Molybdenum	Dissolved (mg/L)	0.745	0.687	0.757	0.804	0.748
Potassium	Dissolved (mg/L)	9.8	5.3	4.4	4.9	6.1
Sodium	Dissolved (mg/L)	4.4	3.7	3.4	4.4	4.0
Strontium	Dissolved (mg/L)	4.91	2.46	2.26	1.91	2.89
Zinc	Dissolved (mg/L)	0.05	0.009	*0.0025*	0.013	0.019
Particulates	(mg/m^2/wk)	1037.0709	669.9627	792.8690	1015.0000	878.726
Alkalinity	(mg/m^2/wk)	201.1194	58.4030	36.5672	46.0354	85.531
Acidity	(mg/m^2/wk)	0.1632	1.4261	6.0945	0.8815	2.141
Sulfate	(mg/m^2/wk)	277.8451	162.3060	133.7894	148.5541	180.624
Silicate, SiO2	(mg/m^2/wk)	0.1632	0.1698	0.1451	0.1632	0.160
Nitrate	(mg/m^2/wk)	0.4114	0.2723	0.3018	0.6432	0.407
Aluminum	(mg/m^2/wk)	0.0326	0.0340	0.0290	0.0326	0.032
Cadmium	(mg/m^2/wk)	0.0016	0.0017	0.0015	0.0016	0.002
Calcium	(mg/m^2/wk)	195.2425	76.7388	62.1061	58.1157	98.051
Copper	(mg/m^2/wk)	0.0147	0.0054	0.0023	0.0121	0.009
Magnesium	(mg/m^2/wk)	26.2174	17.1813	11.6376	14.1698	17.302
Manganese	(mg/m^2/wk)	0.0330	0.0088	0.0058	0.0121	0.015
Molybdenum	(mg/m^2/wk)	0.2432	0.2333	0.2197	0.2625	0.240
Potassium	(mg/m^2/wk)	3.1996	1.7996	1.2769	1.5998	1.969
Sodium	(mg/m^2/wk)	1.4366	1.2563	0.9867	1.4366	1.279
Strontium	(mg/m^2/wk)	1.6031	0.8353	0.6559	0.6236	0.929
Zinc	(mg/m^2/wk)	0.0163	0.0031	0.0007	0.0042	0.006

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

Pre-Test Data

ABA Data:

Paste pH	8.5
%S (SO4)	0.02
% S(Sulfide)	0.01
% S(Total)	0.029
% CO2 inorg.	0.7
NP	25
AP	0.3125
NNP	24.7
NPR	80

Total Metals:

Al (%)	7.94
Cd (ppm)	< 0.5
Ca (%)	1.48
Cu (ppm)	208
Mg (%)	1.77
Mn (ppm)	195
Mo (ppm)	6
K (%)	2.07
Na (%)	2.4
Sr (ppm)	580
Zn (ppm)	50

BELL MINE

MINEWALL FIELD STUDIES

Station BFP2

Surface Area (m^2)= 0.0701

Date		10-Sep-93	26-Sep-93	14-Oct-93	30-Oct-93	
Time Interval (wk)		2.3	2.3	2.6	2.3	Average
pH, field		7.2	7.2	7.1	6.3	6.95
pH, lab			7.4		6.98	7.19
Particulates	(grams)	0.2676	0.0619		0.3504	0.2266
Alkalinity	(mg CaCO3/L)	532	120		65.2	239
Acidity	(mg CaCO3/L)	1.9	2.1		2.5	2.2
Sulfate	Dissolved (mg/L)	165	60.2	60.5	38.4	81
Silicate, SiO2	Dissolved (mg/L)	*0.5*	*0.5*		*0.5*	0.5
Nitrate	Dissolved (mg N/L)	0.0025	0.005		0.014	0.01
Aluminum	Dissolved (mg/L)	0.1	0.1	0.1	0.1	0.1
Cadmium	Dissolved (mg/L)	*0.005*	*0.005*	*0.005*	*0.005*	0.005
Calcium	Dissolved (mg/L)	428	62.5	46.5	22.4	139.85
Copper	Dissolved (mg/L)	0.023	0.014	0.008	0.011	0.014
Magnesium	Dissolved (mg/L)	31.9	12.7	18.4	13.7	19.2
Manganese	Dissolved (mg/L)	0.216	0.031	0.019	0.019	0.071
Molybdenum	Dissolved (mg/L)	*0.015*	*0.015*	*0.015*	*0.015*	0.015
Potassium	Dissolved (mg/L)	1	1	1	1	1.0
Sodium	Dissolved (mg/L)	1	1	1	1	1.0
Strontium	Dissolved (mg/L)	1.36	0.342	0.312	0.202	0.55
Zinc	Dissolved (mg/L)	*0.0025*	0.006	*0.0025*	0.011	0.006
Particulates	(mg/m^2/wk)	1670.1141	386.3231	0.0000	2186.8759	1060.828
Alkalinity	(mg/m^2/wk)	830.0642	172.2539	0.0000	101.7297	276.012
Acidity	(mg/m^2/wk)	2.9645	3.0144	0.0000	3.9007	2.470
Sulfate	(mg/m^2/wk)	257.4447	86.4141	83.9079	59.9144	121.920
Silicate, SiO2	(mg/m^2/wk)	0.7801	0.7177	0.0000	0.7801	0.569
Nitrate	(mg/m^2/wk)	0.0039	0.0072	0.0000	0.0218	0.008
Aluminum	(mg/m^2/wk)	0.1560	0.1435	0.1387	0.1560	0.149
Cadmium	(mg/m^2/wk)	0.0078	0.0072	0.0069	0.0078	0.007
Calcium	(mg/m^2/wk)	667.7960	89.7156	64.4912	34.9501	214.238
Copper	(mg/m^2/wk)	0.0359	0.0201	0.0111	0.0172	0.021
Magnesium	(mg/m^2/wk)	49.7726	18.2302	25.5191	21.3757	28.724
Manganese	(mg/m^2/wk)	0.3370	0.0445	0.0264	0.0296	0.109
Molybdenum	(mg/m^2/wk)	0.0234	0.0215	0.0208	0.0234	0.022
Potassium	(mg/m^2/wk)	1.5603	1.4354	1.3869	1.5603	1.486
Sodium	(mg/m^2/wk)	1.5603	1.4354	1.3869	1.5603	1.486
Strontium	(mg/m^2/wk)	2.1220	0.4909	0.4327	0.3152	0.840
Zinc	(mg/m^2/wk)	0.0039	0.0086	0.0035	0.0172	0.008

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

Pre-Test Data

ABA Data:

Paste pH	8.4
%S (SO4)	0.03
% S(Sulfide)	0.13
% S(Total)	0.164
% CO2 inorg.	2.2
NP	38
AP	4.0625
NNP	33.9
NPR	9.35

Total Metals:

Al (%)	7.04
Cd (ppm)	<0.5
Ca (%)	1.45
Cu (ppm)	919
Mg (%)	1.38
Mn (ppm)	205
Mo (ppm)	23
K (%)	1.4
Na (%)	2.76
Sr (ppm)	374
Zn (ppm)	50

BELL MINE

MINEWALL FIELD STUDIES

Station BBFP

Surface Area (m^2)= 0.11

Date		10-Sep-93	26-Sep-93	14-Oct-93	30-Oct-93	
Time Interval (wk)		2.285714286	2.285714286	2.571428571	2.285714286	Average
pH, field		8.2	7.2	7.5	6.2	7.28
pH, lab			7.61	7.29	7.07	7.32
Particulates	(grams)	0.6476	0.1681	0.2901	0.185	0.3227
Alkalinity	(mg CaCO3/L)	625	143	166	109	261
Acidity	(mg CaCO3/L)	0.5	2.1	4.2	2.5	2.3
Sulfate	Dissolved (mg/L)	602	297	246	251	349
Silicate, SiO2	Dissolved (mg/L)	*0.5*	*0.5*	*0.5*	*0.5*	0.5
Nitrate	Dissolved (mg N/L)	2.17	0.005	1.85	2.34	1.59
Aluminum	Dissolved (mg/L)	0.1	0.1	0.1	0.1	0.1
Cadmium	Dissolved (mg/L)	*0.005*	*0.005*	*0.005*	*0.005*	0.005
Calcium	Dissolved (mg/L)	609	140	170	111	257.5
Copper	Dissolved (mg/L)	0.017	0.036	0.018	0.032	0.026
Magnesium	Dissolved (mg/L)	84.2	32.5	42.9	25.6	46.3
Manganese	Dissolved (mg/L)	0.071	0.03	0.021	0.022	0.036
Molybdenum	Dissolved (mg/L)	0.492	0.324	0.394	0.29	0.375
Potassium	Dissolved (mg/L)	5	2.6	1	1	2.4
Sodium	Dissolved (mg/L)	3.1	2.6	2.2	2.4	2.6
Strontium	Dissolved (mg/L)	3.11	1.03	1.13	0.803	1.52
Zinc	Dissolved (mg/L)	*0.0025*	0.012	0.008	0.008	0.008
Particulates	(mg/m^2/wk)	2575.6818	668.5795	1025.6061	735.7955	1251.416
Alkalinity	(mg/m^2/wk)	621.4489	130.8125	146.7172	108.3807	251.840
Acidity	(mg/m^2/wk)	0.4972	1.9210	3.7121	2.4858	2.154
Sulfate	(mg/m^2/wk)	598.5795	271.6875	217.4242	249.5739	334.316
Silicate, SiO2	(mg/m^2/wk)	0.4972	0.4574	0.4419	0.4972	0.473
Nitrate	(mg/m^2/wk)	2.1577	0.0046	1.6351	2.3267	1.531
Aluminum	(mg/m^2/wk)	0.0994	0.0915	0.0884	0.0994	0.095
Cadmium	(mg/m^2/wk)	0.0050	0.0046	0.0044	0.0050	0.005
Calcium	(mg/m^2/wk)	605.5398	128.0682	150.2525	110.3693	248.557
Copper	(mg/m^2/wk)	0.0169	0.0329	0.0159	0.0318	0.024
Magnesium	(mg/m^2/wk)	83.7216	29.7301	37.9167	25.4545	44.206
Manganese	(mg/m^2/wk)	0.0706	0.0274	0.0186	0.0219	0.035
Molybdenum	(mg/m^2/wk)	0.4892	0.2964	0.3482	0.2884	0.356
Potassium	(mg/m^2/wk)	4.9716	2.3784	0.8838	0.9943	2.307
Sodium	(mg/m^2/wk)	3.0824	2.3784	1.9444	2.3864	2.448
Strontium	(mg/m^2/wk)	3.0923	0.9422	0.9987	0.7984	1.458
Zinc	(mg/m^2/wk)	0.0025	0.0110	0.0071	0.0080	0.007

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

Pre-Test Data

ABA Data:

Paste pH	8.2
%S (SO4)	0.02
% S(Sulfide)	0.73
% S(Total)	0.735
% CO2 inorg.	2.3
NP	53
AP	22.8125
NNP	30.2
NPR	2.32

Total Metals:

Al (%)	7.9
Cd (ppm)	< 0.5
Ca (%)	2.11
Cu (ppm)	879
Mg (%)	1.73
Mn (ppm)	320
Mo (ppm)	6
K (%)	2.14
Na (%)	2.49
Sr (ppm)	472
Zn (ppm)	50

BELL MINE

MINEWALL FIELD STUDIES

Station TUFF

Surface Area (m^2)= 0.186

Date		10-Sep-93	26-Sep-93	14-Oct-93	30-Oct-93	
Time Interval (wk)		2.3	2.3	2.6	2.3	Average
pH, field		6.6	6.5	6.9	5.7	6.43
pH, lab			7.22	6.16	6.1	6.49
Particulates	(grams)	1.9196	1.228	2.3197	1.4714	1.7347
Alkalinity	(mg CaCO3/L)	31.1	44.1	33.6	25.6	34
Acidity	(mg CaCO3/L)	5.7	4.2	29.4	6.9	11.6
Sulfate	Dissolved (mg/L)	6830	3470	2550	4480	4333
Silicate, SiO2	Dissolved (mg/L)	*0.5*	*0.5*	*0.5*	*0.5*	0.5
Nitrate	Dissolved (mg N/L)	0.225	0.86	0.73	0.393	0.55
Aluminum	Dissolved (mg/L)	0.1	0.1	0.1	0.1	0.1
Cadmium	Dissolved (mg/L)	*0.005*	*0.005*	*0.005*	*0.005*	0.005
Calcium	Dissolved (mg/L)	175	102	71.8	97.2	111.5
Copper	Dissolved (mg/L)	0.48	0.432	0.032	1.14	0.521
Magnesium	Dissolved (mg/L)	1950	846	574	11.4	845.4
Manganese	Dissolved (mg/L)	5.23	3.06	1.22	4.38	3.473
Molybdenum	Dissolved (mg/L)	0.15	*0.015*	*0.015*	0.075	0.064
Potassium	Dissolved (mg/L)	10	5.5	4	5	6.1
Sodium	Dissolved (mg/L)	10	7.2	4.7	5	6.7
Strontium	Dissolved (mg/L)	1.48	0.83	0.556	0.78	0.91
Zinc	Dissolved (mg/L)	0.23	0.149	0.025	0.21	0.154
Particulates	(mg/m^2/wk)	4515.1882	2888.4409	4850.0299	3460.9543	3928.653
Alkalinity	(mg/m^2/wk)	18.2880	25.9325	26.3441	15.0538	21.405
Acidity	(mg/m^2/wk)	3.3518	2.4698	23.0511	4.0575	8.233
Sulfate	(mg/m^2/wk)	4016.2970	2040.4906	1999.3280	2634.4086	2672.631
Silicate, SiO2	(mg/m^2/wk)	0.2940	0.2940	0.3920	0.2940	0.319
Nitrate	(mg/m^2/wk)	0.1323	0.5057	0.5724	0.2311	0.360
Aluminum	(mg/m^2/wk)	0.0588	0.0588	0.0784	0.0588	0.064
Cadmium	(mg/m^2/wk)	0.0029	0.0029	0.0039	0.0029	0.003
Calcium	(mg/m^2/wk)	102.9066	59.9798	56.2948	57.1573	69.085
Copper	(mg/m^2/wk)	0.2823	0.2540	0.0251	0.6704	0.308
Magnesium	(mg/m^2/wk)	1146.6734	497.4798	450.0448	6.7036	525.225
Manganese	(mg/m^2/wk)	3.0754	1.7994	0.9565	2.5756	2.102
Molybdenum	(mg/m^2/wk)	0.0882	0.0088	0.0118	0.0441	0.038
Potassium	(mg/m^2/wk)	5.8804	3.2342	3.1362	2.9402	3.798
Sodium	(mg/m^2/wk)	5.8804	4.2339	3.6850	2.9402	4.185
Strontium	(mg/m^2/wk)	0.8703	0.4881	0.4359	0.4587	0.563
Zinc	(mg/m^2/wk)	0.1352	0.0876	0.0196	0.1235	0.091

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

Pre-Test Data

ABA Data:

Paste pH	7.8
%S (SO4)	0.08
% S(Sulfide)	2.44
% S(Total)	2.67
% CO2 inorg.	1.6
NP	29
AP	76.25
NNP	-47.3
NPR	0.38

Total Metals:

Al (%)	5.02
Cd (ppm)	< 0.5
Ca (%)	0.79
Cu (ppm)	9710
Mg (%)	0.41
Mn (ppm)	165
Mo (ppm)	26
K (%)	2.45
Na (%)	0.09
Sr (ppm)	52
Zn (ppm)	74

BELL MINE

MINEWALL FIELD STUDIES

Station QFP

Surface Area (m^2)=		0.332				
Date		10-Sep-93	26-Sep-93	14-Oct-93	30-Oct-93	
Time Interval (wk)		2.285714286	2.285714286	2.571428571	2.285714286	Average
pH, field		7.6	7.2	7.6	6.4	7.2
pH, lab			7.51	6.8	7.13	7.15
Particulates	(grams)	0.5288	1.002	0.7447	0.3	0.6439
Alkalinity	(mg CaCO3/L)	440	218	546	286	373
Acidity	(mg CaCO3/L)	2.8	4.2	6.3	3.8	4.3
Sulfate	Dissolved (mg/L)	835	415	649	586	621
Silicate, SiO2	Dissolved (mg/L)	*0.5*	*0.5*	*0.5*	*0.5*	0.5
Nitrate	Dissolved (mg N/L)	0.813	0.239	0.047	0.933	0.51
Aluminum	Dissolved (mg/L)	0.1	0.1	0.1	0.1	0.1
Cadmium	Dissolved (mg/L)	*0.005*	*0.005*	*0.005*	*0.005*	0.005
Calcium	Dissolved (mg/L)	613	235	474	267	397.25
Copper	Dissolved (mg/L)	0.48	0.009	0.008	0.017	0.129
Magnesium	Dissolved (mg/L)	83.2	39.8	79.9	59.4	65.6
Manganese	Dissolved (mg/L)	0.404	0.066	0.106	0.067	0.161
Molybdenum	Dissolved (mg/L)	0.037	*0.015*	0.037	*0.015*	0.026
Potassium	Dissolved (mg/L)	5	2.3	3	3.2	3.4
Sodium	Dissolved (mg/L)	5.1	2.6	3.3	4	3.8
Strontium	Dissolved (mg/L)	6.84	2.83	4.83	3.53	4.51
Zinc	Dissolved (mg/L)	0.007	0.005	0.005	0.01	0.007
Particulates	(mg/m^2/wk)	696.8373	1320.4066	872.3059	395.3313	821.220
Alkalinity	(mg/m^2/wk)	144.9548	74.6913	159.8896	94.2206	118.439
Acidity	(mg/m^2/wk)	0.9224	1.4390	1.8449	1.2519	1.365
Sulfate	(mg/m^2/wk)	275.0847	142.1875	190.0519	193.0535	200.094
Silicate, SiO2	(mg/m^2/wk)	0.1647	0.1713	0.1464	0.1647	0.162
Nitrate	(mg/m^2/wk)	0.2678	0.0819	0.0138	0.3074	0.168
Aluminum	(mg/m^2/wk)	0.0329	0.0343	0.0293	0.0329	0.032
Cadmium	(mg/m^2/wk)	0.0016	0.0017	0.0015	0.0016	0.002
Calcium	(mg/m^2/wk)	201.9484	80.5158	138.8052	87.9612	127.308
Copper	(mg/m^2/wk)	0.1581	0.0031	0.0023	0.0056	0.042
Magnesium	(mg/m^2/wk)	27.4096	13.6363	23.3978	19.5689	21.003
Manganese	(mg/m^2/wk)	0.1331	0.0226	0.0310	0.0221	0.052
Molybdenum	(mg/m^2/wk)	0.0122	0.0051	0.0108	0.0049	0.008
Potassium	(mg/m^2/wk)	1.6472	0.7880	0.8785	1.0542	1.092
Sodium	(mg/m^2/wk)	1.6802	0.8908	0.9664	1.3178	1.214
Strontium	(mg/m^2/wk)	2.2534	0.9696	1.4144	1.1629	1.450
Zinc	(mg/m^2/wk)	0.0023	0.0017	0.0015	0.0033	0.002

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

Pre-Test Data

ABA Data:

Paste pH	8.1
%S (SO4)	0.03
% S(Sulfide)	0.04
% S(Total)	0.072
% CO2 inorg.	0.7
NP	28
AP	1.25
NNP	26.8
NPR	22.4

Total Metals:

Al (%)	8.38
Cd (ppm)	< 0.5
Ca (%)	0.92
Cu (ppm)	67
Mg (%)	2.67
Mn (ppm)	295
Mo (ppm)	3
K (%)	1.52
Na (%)	1.29
Sr (ppm)	157
Zn (ppm)	68

BELL MINE

MINEWALL FIELD STUDIES

Station SED

Surface Area (m^2)= 0.12

Date		10-Sep-93	26-Sep-93	14-Oct-93	30-Oct-93	
Time Interval (wk)		2.3	2.3	2.6	2.3	Average
pH, field		7.1	7.1	7.2	6.6	7
pH, lab			7.26	6.73	5.76	6.58
Particulates	(grams)	0.2138	0.0767	0.3194	0.1081	0.1795
Alkalinity	(mg CaCO3/L)	157	42	39.9	44.2	71
Acidity	(mg CaCO3/L)	6.8	2.1	2.1	84.2	23.8
Sulfate	Dissolved (mg/L)	373	162	197	163	224
Silicate, SiO2	Dissolved (mg/L)	*0.5*	*0.5*	*0.5*	*0.5*	0.5
Nitrate	Dissolved (mg N/L)	0.163	0.059	0.078	0.069	0.09
Aluminum	Dissolved (mg/L)	0.1	0.1	0.1	0.1	0.1
Cadmium	Dissolved (mg/L)	*0.005*	*0.005*	*0.005*	*0.005*	0.005
Calcium	Dissolved (mg/L)	127	26.6	15	14.4	45.75
Copper	Dissolved (mg/L)	3.75	0.041	0.066	0.022	0.970
Magnesium	Dissolved (mg/L)	107	37.1	47.8	43.2	58.8
Manganese	Dissolved (mg/L)	0.145	0.008	0.008	0.009	0.043
Molybdenum	Dissolved (mg/L)	*0.015*	*0.015*	*0.015*	*0.015*	0.015
Potassium	Dissolved (mg/L)	3.8	1	1	1	1.7
Sodium	Dissolved (mg/L)	2.3	1	1	1	1.3
Strontium	Dissolved (mg/L)	0.987	0.255	0.153	0.155	0.39
Zinc	Dissolved (mg/L)	0.057	0.005	0.01	0.006	0.020
Particulates	(mg/m^2/wk)	779.4792	279.6354	1035.0926	394.1146	622.080
Alkalinity	(mg/m^2/wk)	143.0990	35.2188	31.6799	40.2865	62.571
Acidity	(mg/m^2/wk)	6.1979	1.7609	1.6674	76.7448	21.593
Sulfate	(mg/m^2/wk)	339.9740	135.8438	156.4144	148.5677	195.200
Silicate, SiO2	(mg/m^2/wk)	0.4557	0.4193	0.3970	0.4557	0.432
Nitrate	(mg/m^2/wk)	0.1486	0.0495	0.0619	0.0629	0.081
Aluminum	(mg/m^2/wk)	0.0911	0.0839	0.0794	0.0911	0.086
Cadmium	(mg/m^2/wk)	0.0046	0.0042	0.0040	0.0046	0.004
Calcium	(mg/m^2/wk)	115.7552	22.3052	11.9097	13.1250	40.774
Copper	(mg/m^2/wk)	3.4180	0.0344	0.0524	0.0201	0.881
Magnesium	(mg/m^2/wk)	97.5260	31.1099	37.9523	39.3750	51.491
Manganese	(mg/m^2/wk)	0.1322	0.0067	0.0064	0.0082	0.038
Molybdenum	(mg/m^2/wk)	0.0137	0.0126	0.0119	0.0137	0.013
Potassium	(mg/m^2/wk)	3.4635	0.8385	0.7940	0.9115	1.502
Sodium	(mg/m^2/wk)	2.0964	0.8385	0.7940	0.9115	1.160
Strontium	(mg/m^2/wk)	0.8996	0.2138	0.1215	0.1413	0.344
Zinc	(mg/m^2/wk)	0.0520	0.0042	0.0079	0.0055	0.017

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

Pre-Test Data

ABA Data:

Paste pH	7.8
%S (SO4)	0.06
% S(Sulfide)	2.64
% S(Total)	3.14
% CO2 inorg.	2.3
NP	37
AP	82.5
NNP	-45.5
NPR	0.45

Total Metals:

Al (%)	6.29
Cd (ppm)	< 0.5
Ca (%)	0.8
Cu (ppm)	5250
Mg (%)	1.48
Mn (ppm)	80
Mo (ppm)	19
K (%)	2.06
Na (%)	0.07
Sr (ppm)	62
Zn (ppm)	84

MINEWALL STATIONS AT ISLAND COPPER MINE

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 1

Surface Area (m^2)= 0.2064

Date		30-Jun-92	15-Jul-92	22-Jul-92	29-Jul-92	12-Aug-92	26-Aug-92	08-Sep-92	24-Sep-92	07-Oct-92
Time Interval (wk)		0	2.1	1	1	2	2	1.9	2.3	1.9
pH		7.03	7.66	8.02	6.5	6.58	6.84	7.38	8.14	7.16
Conductivity	(uS/cm)	340	440	220	150	230				330
Alkalinity	(mg CaCO3/L)	12	66	43	14	16	9.8	14	20	17
Acidity	(mg CaCO3/L)	0	0							
Sulfate	Dissolved (mg/L)	125	100	34	39	80	76	60	87	172
Silicon	Dissolved (mg/L)									
Aluminum	Dissolved (mg/L)	0.2	0.4	0.3	0.3	0.3	0.1	0.1	1.3	*0.05*
Cadmium	Dissolved (mg/L)	0.01	0.01	0.01	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*
Calcium	Dissolved (mg/L)	60	110	50	20	30	40	30	20	60
Copper	Dissolved (mg/L)	0.01	0.01	0.01	*0.005*	0.01	*0.005*	*0.005*	*0.005*	0.01
Magnesium	Dissolved (mg/L)	1	3	2	2	1	1	2	1	1
Zinc	Dissolved (mg/L)	*0.05*	*0.05*	*0.05*	0.1	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
Alkalinity	(mg/m^2/wk)	NA	74.612	104.167	33.915	19.380	11.870	18.262	21.197	22.175
Acidity	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m^2/wk)	NA	113.049	82.364	94.477	96.899	92.054	78.265	92.206	224.359
Silicon	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum	(mg/m^2/wk)	NA	0.452	0.727	0.727	0.363	0.121	0.130	1.378	0.065
Cadmium	(mg/m^2/wk)	NA	0.011	0.024	0.012	0.006	0.006	0.007	0.005	0.007
Calcium	(mg/m^2/wk)	NA	124.354	121.124	48.450	36.337	48.450	39.132	21.197	78.265
Copper	(mg/m^2/wk)	NA	0.011	0.024	0.012	0.012	0.006	0.007	0.005	0.013
Magnesium	(mg/m^2/wk)	NA	3.391	4.845	4.845	1.211	1.211	2.609	1.060	1.304
Zinc	(mg/m^2/wk)	NA	0.057	0.121	0.242	0.061	0.061	0.065	0.053	0.065

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 1

Surface Area (m^2)= 0.2064

Date		03-Jun-93	27-Jul-93	12-Aug-93	15-Sep-93	12-Oct-93	23-Nov-93	21-Dec-93	
Time Interval (wk)		0	2	2.3	4.9	3.9	6	4	Average
pH		7.05	7.43	6.33	7.34	7.74	8.14	7.67	7.35
Conductivity	(uS/cm)	284	98	200	425	309	345	41	253.5
Alkalinity	(mg CaCO3/L)	7.4	10	9	21	17	36	13	21.8
Acidity	(mg CaCO3/L)								0.00
Sulfate	Dissolved (mg/L)		26	75	180	108	110	17	83.1
Silicon	Dissolved (mg/L)				27	*37*	15	2.2	16.2
Aluminum	Dissolved (mg/L)	0.3	1.3	0.1	0.4	*0.05*	0.3	1.8	0.49
Cadmium	Dissolved (mg/L)	*0.005*	*0.005*	*0.005*	0.01	*0.005*	*0.005*	*0.005*	0.01
Calcium	Dissolved (mg/L)	60	20	40	80	60	70	10	46
Copper	Dissolved (mg/L)	0.01	*0.005*	0.01	0.01	0.01	0.04	0.01	0.01
Magnesium	Dissolved (mg/L)	1	1	1	2	2	2	1	1.6
Zinc	Dissolved (mg/L)	*0.05*	*0.05*	0.1	*0.05*	*0.05*	0.1	*0.05*	0.06
Alkalinity	(mg/m^2/wk)	NA	12.112	9.539	10.474	10.677	14.535	7.873	26.485
Acidity	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m^2/wk)	NA	31.492	79.488	89.774	67.829	44.412	10.296	85.497
Silicon	(mg/m^2/wk)	NA	0.000	0.000	13.466	23.238	6.056	1.332	3.149
Aluminum	(mg/m^2/wk)	NA	1.575	0.106	0.199	0.031	0.121	1.090	0.506
Cadmium	(mg/m^2/wk)	NA	0.006	0.005	0.005	0.003	0.002	0.003	0.007
Calcium	(mg/m^2/wk)	NA	24.225	42.393	39.900	37.683	28.262	6.056	49.702
Copper	(mg/m^2/wk)	NA	0.006	0.011	0.005	0.006	0.016	0.006	0.010
Magnesium	(mg/m^2/wk)	NA	1.211	1.060	0.997	1.256	0.807	0.606	1.887
Zinc	(mg/m^2/wk)	NA	0.061	0.106	0.025	0.031	0.040	0.030	0.073

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 2

Surface Area (m^2)= 0.1645

Date		30-Jun-92	15-Jul-92	22-Jul-92	29-Jul-92	12-Aug-92	26-Aug-92	08-Sep-92	24-Sep-92	07-Oct-92
Time Interval (wk)		0	2.1	1	1	2	2	1.9	2.3	1.9
pH		6.79	6.8	7.11	6.34	6.04	6.12	6.33	7.22	6.69
Conductivity	(uS/cm)	290	117	53	47	170				130
Alkalinity	(mg CaCO3/L)	26	6.8	8.1	4.4	3	2.8	3.4	5.1	4.2
Acidity	(mg CaCO3/L)									
Sulfate	Dissolved (mg/L)	100	43	15	14	64	25	21	67	88
Silicon	Dissolved (mg/L)									
Aluminum	Dissolved (mg/L)	1.5	1.6	0.8	0.7	0.2	0.1	0.1	0.2	*0.05*
Cadmium	Dissolved (mg/L)	0.01	0.01	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*
Calcium	Dissolved (mg/L)	50	20	0	3	30	10	10	20	30
Copper	Dissolved (mg/L)	0.01	0.01	0.01	*0.005*	0.02	*0.005*	0.01	*0.005*	0.02
Magnesium	Dissolved (mg/L)	1	1	0	0	0	0	0	0	0
Zinc	Dissolved (mg/L)	*0.05*	*0.05*	*0.05*	0.1	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
Alkalinity	(mg/m^2/wk)	NA	9.645	24.620	13.374	4.559	4.255	5.565	6.782	6.874
Acidity	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m^2/wk)	NA	60.993	45.593	42.553	97.264	37.994	34.370	89.096	144.026
Silicon	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum	(mg/m^2/wk)	NA	2.270	2.432	2.128	0.304	0.152	0.164	0.266	0.082
Cadmium	(mg/m^2/wk)	NA	0.014	0.015	0.015	0.008	0.008	0.008	0.007	0.008
Calcium	(mg/m^2/wk)	NA	28.369	0.000	9.119	45.593	15.198	16.367	26.596	49.100
Copper	(mg/m^2/wk)	NA	0.014	0.030	0.015	0.030	0.008	0.016	0.007	0.033
Magnesium	(mg/m^2/wk)	NA	1.418	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Zinc	(mg/m^2/wk)	NA	0.071	0.152	0.304	0.076	0.076	0.082	0.066	0.082

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 2

Surface Area (m^2)= 0.1645

Date		03-Jun-93	27-Jul-93	12-Aug-93	15-Sep-93	12-Oct-93	23-Nov-93	
Time Interval (wk)		0	2	2.3	4.9	3.9	6	Average
pH		7.15	6.66	6.05				6.54
Conductivity	(uS/cm)	250	55	158				104.3
Alkalinity	(mg CaCO3/L)	9.4	7.6	6				5.1
Acidity	(mg CaCO3/L)							0.00
Sulfate	Dissolved (mg/L)	80	18	58				41.3
Silicon	Dissolved (mg/L)							0.0
Aluminum	Dissolved (mg/L)	1.1	1.2	0.4				0.54
Cadmium	Dissolved (mg/L)	*0.005*	*0.005*	*0.005*				0.01
Calcium	Dissolved (mg/L)	60	20	30				17
Copper	Dissolved (mg/L)	0.01	0.01	0.02				0.01
Magnesium	Dissolved (mg/L)	1	0	1				0.2
Zinc	Dissolved (mg/L)	*0.05*	*0.05*	0.1				0.06
Alkalinity	(mg/m^2/wk)	NA	11.550	7.979	0.000	0.000	0.000	9.520
Acidity	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m^2/wk)	NA	27.356	77.128	0.000	0.000	0.000	65.637
Silicon	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum	(mg/m^2/wk)	NA	1.824	0.532	0.000	0.000	0.000	1.015
Cadmium	(mg/m^2/wk)	NA	0.008	0.007	0.000	0.000	0.000	0.010
Calcium	(mg/m^2/wk)	NA	30.395	39.894	0.000	0.000	0.000	26.063
Copper	(mg/m^2/wk)	NA	0.015	0.027	0.000	0.000	0.000	0.020
Magnesium	(mg/m^2/wk)	NA	0.000	1.330	0.000	0.000	0.000	0.275
Zinc	(mg/m^2/wk)	NA	0.076	0.133	0.000	0.000	0.000	0.112

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 4

Surface Area (m^2)= 0.2671

Date		30-Jun-92	15-Jul-92	22-Jul-92	29-Jul-92	12-Aug-92	26-Aug-92	08-Sep-92	24-Sep-92	07-Oct-92
Time Interval (wk)		0	2.1	1	1	2	2	1.9	2.3	1.9
pH		4.03	6.11	6.29	5.96	6.12	6.04	6.66	6.89	6.69
Conductivity	(uS/cm)	36	45	19	16	61				21
Alkalinity	(mg CaCO3/L)	0	3.4	4.9	2.9	6	3.8	5.4	6.8	3.6
Acidity	(mg CaCO3/L)	24								
Sulfate	Dissolved (mg/L)	12	10	*0.5*	1.2	17	6.8	6	41	11
Silicon	Dissolved (mg/L)									
Aluminum	Dissolved (mg/L)	0.01	*0.05*	0.1	0.4	0.1	0.2	0.05	0.1	*0.05*
Cadmium	Dissolved (mg/L)	0.01	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*
Calcium	Dissolved (mg/L)	10	10	0	2	10	0	5	20	10
Copper	Dissolved (mg/L)	0.01	0.01	0.01	*0.005*	0.02	*0.005*	0.01	*0.005*	0.01
Magnesium	Dissolved (mg/L)	0	1	0	0	0	0	0	0	0
Zinc	Dissolved (mg/L)	0.2	*0.05*	*0.05*	0.1	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
Alkalinity	(mg/m^2/wk)	NA	2.970	9.173	5.429	5.616	3.557	5.443	5.569	3.629
Acidity	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m^2/wk)	NA	8.736	0.936	2.246	15.912	6.365	6.048	33.578	11.088
Silicon	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum	(mg/m^2/wk)	NA	0.044	0.187	0.749	0.094	0.187	0.050	0.082	0.050
Cadmium	(mg/m^2/wk)	NA	0.004	0.009	0.009	0.005	0.005	0.005	0.004	0.005
Calcium	(mg/m^2/wk)	NA	8.736	0.000	3.744	9.360	0.000	5.040	16.380	10.080
Copper	(mg/m^2/wk)	NA	0.009	0.019	0.009	0.019	0.005	0.010	0.004	0.010
Magnesium	(mg/m^2/wk)	NA	0.874	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Zinc	(mg/m^2/wk)	NA	0.044	0.094	0.187	0.047	0.047	0.050	0.041	0.050

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 4

Surface Area (m^2)= 0.2671

Date		03-Jun-93	27-Jul-93	12-Aug-93	15-Sep-93	12-Oct-93	23-Nov-93	21-Dec-93	
Time Interval (wk)		0	2	2.3	4.9	3.9	6	4	Average
pH		6.63	6.25	5.88	6.68	6.39	6.45	6.95	6.38
Conductivity	(uS/cm)	18	46	28	68	37	81	149	51.9
Alkalinity	(mg CaCO3/L)	3.8	8.7	5	11	8.5	7.1	9.7	6.2
Acidity	(mg CaCO3/L)								0.00
Sulfate	Dissolved (mg/L)	4	1.5	2.1	13	13	27	47	14.1
Silicon	Dissolved (mg/L)				5.4	4.2	4.7	0.7	3.0
Aluminum	Dissolved (mg/L)	0.1	0.1	*0.05*	0.2	*0.05*	0.1	0.3	0.13
Cadmium	Dissolved (mg/L)	*0.005*	*0.005*	*0.005*	0.01	*0.005*	*0.005*	*0.005*	0.01
Calcium	Dissolved (mg/L)	10	20	40	10	10	20	20	13
Copper	Dissolved (mg/L)	*0.005*	*0.005*	0.02	0.01	0.01	0.03	0.01	0.01
Magnesium	Dissolved (mg/L)	0	0	0.5	1	0	0.5	1	0.3
Zinc	Dissolved (mg/L)	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	0.1	0.06
Alkalinity	(mg/m^2/wk)	NA	8.143	4.095	4.239	4.125	2.215	4.539	4.910
Acidity	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m^2/wk)	NA	1.404	1.720	5.010	6.309	8.424	21.996	9.269
Silicon	(mg/m^2/wk)	NA	0.000	0.000	2.081	2.038	1.466	0.328	0.422
Aluminum	(mg/m^2/wk)	NA	0.094	0.041	0.077	0.024	0.031	0.140	0.132
Cadmium	(mg/m^2/wk)	NA	0.005	0.004	0.004	0.002	0.002	0.002	0.005
Calcium	(mg/m^2/wk)	NA	18.720	32.759	3.854	4.853	6.240	9.360	9.223
Copper	(mg/m^2/wk)	NA	0.005	0.016	0.004	0.005	0.009	0.005	0.009
Magnesium	(mg/m^2/wk)	NA	0.000	0.409	0.385	0.000	0.156	0.468	0.164
Zinc	(mg/m^2/wk)	NA	0.047	0.041	0.019	0.024	0.016	0.047	0.054

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 5

Surface Area (m^2)= 0.1689

Date		30-Jun-92	15-Jul-92	22-Jul-92	29-Jul-92	12-Aug-92	26-Aug-92	08-Sep-92	24-Sep-92	07-Oct-92
Time Interval (wk)		0	2.1	1	1	2	2	1.9	2.3	1.9
pH		5.14	5.93	6.42	5.81	5.93	6.05	6.45	6.77	6.47
Conductivity	(uS/cm)	11	26	14	12	56				65
Alkalinity	(mg CaCO3/L)	1.1	2.6	4.4	1.7	4	3.2	4.6	5.2	2.8
Acidity	(mg CaCO3/L)									
Sulfate	Dissolved (mg/L)	12	5	0.5	*0.5*	19	6.3	15	30	26
Silicon	Dissolved (mg/L)									
Aluminum	Dissolved (mg/L)	*0.05*	*0.05*	*0.05*	0.3	0.1	*0.05*	*0.05*	0.1	*0.05*
Cadmium	Dissolved (mg/L)	0.01	*0.005*	*0.005*	0.01	*0.005*	*0.005*	*0.005*	*0.005*	*0.005*
Calcium	Dissolved (mg/L)	10	10	0	1	10	0	10	20	20
Copper	Dissolved (mg/L)	0.01	0.01	0.01	*0.005*	0.02	*0.005*	0.01	*0.005*	0.01
Magnesium	Dissolved (mg/L)	0	1	0	0	0	0	1	0	0
Zinc	Dissolved (mg/L)	0.1	*0.05*	*0.05*	0.2	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
Alkalinity	(mg/m^2/wk)	NA	3.592	13.025	5.033	5.921	4.737	7.333	6.735	4.463
Acidity	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m^2/wk)	NA	6.907	1.480	1.480	28.123	9.325	23.910	38.854	41.445
Silicon	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum	(mg/m^2/wk)	NA	0.069	0.148	0.888	0.148	0.074	0.080	0.130	0.080
Cadmium	(mg/m^2/wk)	NA	0.007	0.015	0.030	0.007	0.007	0.008	0.006	0.008
Calcium	(mg/m^2/wk)	NA	13.815	0.000	2.960	14.802	0.000	15.940	25.903	31.880
Copper	(mg/m^2/wk)	NA	0.014	0.030	0.015	0.030	0.007	0.016	0.006	0.016
Magnesium	(mg/m^2/wk)	NA	1.381	0.000	0.000	0.000	0.000	1.594	0.000	0.000
Zinc	(mg/m^2/wk)	NA	0.069	0.148	0.592	0.074	0.074	0.080	0.065	0.080

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 5

Surface Area (m^2)= 0.1689

Date		03-Jun-93	27-Jul-93	12-Aug-93	15-Sep-93	12-Oct-93	23-Nov-93	21-Dec-93	
Time Interval (wk)		0	2	2.3	4.9	3.9	6	4	Average
pH		6.83	6.36	5.67	6.42	6.31	6.45	6.67	6.27
Conductivity	(uS/cm)	253	157	89	127	164	232	74	92.4
Alkalinity	(mg CaCO3/L)	6	4.4	2	7.7	6.8	4	5.7	4.2
Acidity	(mg CaCO3/L)								0.00
Sulfate	Dissolved (mg/L)	122	67	31	42	79	100	33	32.5
Silicon	Dissolved (mg/L)				3.5	5	1.5	1	2.2
Aluminum	Dissolved (mg/L)	0.2	*0.05*	*0.05*	0.1	0.05	0.1	0.2	0.09
Cadmium	Dissolved (mg/L)	*0.005*	*0.005*	*0.005*	0.01	*0.005*	*0.005*	*0.005*	0.01
Calcium	Dissolved (mg/L)	60	40	20	20	30	50	10	17
Copper	Dissolved (mg/L)	0.01	*0.005*	0.02	0.01	*0.005*	*0.03*	*0.01*	0.01
Magnesium	Dissolved (mg/L)	1	1	1	1	3	3	1	0.9
Zinc	Dissolved (mg/L)	0.1	*0.05*	*0.05*	*0.05*	*0.05*	0.1	0.1	0.07
Alkalinity	(mg/m^2/wk)	NA	6.513	2.590	4.693	5.219	1.974	4.218	5.432
Acidity	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m^2/wk)	NA	99.171	40.149	25.598	60.632	49.339	24.423	32.203
Silicon	(mg/m^2/wk)	NA	0.000	0.000	2.133	3.837	0.740	0.740	0.532
Aluminum	(mg/m^2/wk)	NA	0.074	0.065	0.061	0.038	0.049	0.148	0.147
Cadmium	(mg/m^2/wk)	NA	0.007	0.006	0.006	0.004	0.002	0.004	0.008
Calcium	(mg/m^2/wk)	NA	59.207	25.903	12.190	23.025	24.669	7.401	18.407
Copper	(mg/m^2/wk)	NA	0.007	0.026	0.006	0.004	0.015	0.007	0.014
Magnesium	(mg/m^2/wk)	NA	1.480	1.295	0.609	2.302	1.480	0.740	0.777
Zinc	(mg/m^2/wk)	NA	0.074	0.065	0.030	0.038	0.049	0.074	0.108

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 6

Surface Area (m^2)= 0.1638

Date		30-Jun-92	15-Jul-92	22-Jul-92	29-Jul-92	12-Aug-92	26-Aug-92	08-Sep-92	24-Sep-92	07-Oct-92
Time Interval (wk)		0	2.1	1	1	2	2	1.9	2.3	1.9
pH		3.56	6.54	6.94	6.26	6.46	6.19	6.83	6.96	6.64
Conductivity	(uS/cm)	117	360	108	65	390				190
Alkalinity	(mg CaCO3/L)		41	11	5.3	16	5.5	8.7	8.4	5.8
Acidity	(mg CaCO3/L)	23								
Sulfate	Dissolved (mg/L)	30	94	31	18	140	36	72	111	100
Silicon	Dissolved (mg/L)									
Aluminum	Dissolved (mg/L)	0.5	0.1	0.4	0.6	0.3	0.2	0.1	0.1	*0.05*
Cadmium	Dissolved (mg/L)	*0.005*	0.01	*0.005*	*0.005*	0.01	*0.005*	*0.005*	*0.005*	*0.005*
Calcium	Dissolved (mg/L)	10	80	20	6	80	20	20	40	30
Copper	Dissolved (mg/L)	0.03	0.33	0.01	0.02	0.01	0.01	0.04	*0.005*	0.03
Magnesium	Dissolved (mg/L)	1	3	1	1	3	1	2	2	1
Zinc	Dissolved (mg/L)	0.2	0.1	*0.05*	0.2	0.1	*0.05*	*0.05*	*0.05*	*0.05*
Alkalinity	(mg/m^2/wk)	NA	58.405	33.578	16.178	24.420	8.394	14.300	11.218	9.533
Acidity	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m^2/wk)	NA	133.903	94.628	54.945	213.675	54.945	118.343	148.237	164.366
Silicon	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Aluminum	(mg/m^2/wk)	NA	0.142	1.221	1.832	0.458	0.305	0.164	0.134	0.082
Cadmium	(mg/m^2/wk)	NA	0.014	0.015	0.015	0.015	0.008	0.008	0.007	0.008
Calcium	(mg/m^2/wk)	NA	113.960	61.050	18.315	122.100	30.525	32.873	53.419	49.310
Copper	(mg/m^2/wk)	NA	0.470	0.031	0.061	0.015	0.015	0.066	0.007	0.049
Magnesium	(mg/m^2/wk)	NA	4.274	3.053	3.053	4.579	1.526	3.287	2.671	1.644
Zinc	(mg/m^2/wk)	NA	0.142	0.153	0.611	0.153	0.076	0.082	0.067	0.082

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 6

Surface Area (m^2)= 0.1638

Date		03-Jun-93	27-Jul-93	12-Aug-93	26-Aug-93	01-Sep-93	15-Sep-93	27-Sep-93	06-Oct-93	12-Oct-93
Time Interval (wk)		0	2	2.3	2	0.9	2	1.7	1.3	0.9
pH		7.84	6.75	5.94	6.82	6.98	6.39	6.8	6.39	5.98
Conductivity	(uS/cm)	546	471	277	380	330	200	172	127	124
Alkalinity	(mg CaCO3/L)	13.6	8.2	5	6.4	8.5	7.3	10	5	4.5
Acidity	(mg CaCO3/L)									
Sulfate	Dissolved (mg/L)	310	230	110	170	150	82	56	47	60
Silicon	Dissolved (mg/L)						7.8	11	5.3	4
Aluminum	Dissolved (mg/L)	0.6	0.1	0.1	*0.05*	0.1	0.1	0.3	0.3	*0.05*
Cadmium	Dissolved (mg/L)	0.01	*0.005*	0.01	*0.005*	*0.005*	0.01	*0.005*	*0.005*	*0.005*
Calcium	Dissolved (mg/L)	120	90	50	70	50	20	30	20	20
Copper	Dissolved (mg/L)	0.07	0.01	0.02	0.04	*0.005*	0.01	*0.005*	*0.05*	0.01
Magnesium	Dissolved (mg/L)	4	2	1	2	2	2	1	1	1
Zinc	Dissolved (mg/L)	0.6	*0.05*	0.1	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*	*0.05*
Alkalinity	(mg/m^2/wk)	NA	12.515	6.677	9.768	30.271	11.142	17.806	11.871	16.026
Acidity	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m^2/wk)	NA	351.038	146.902	259.463	534.188	125.153	99.715	111.586	213.675
Silicon	(mg/m^2/wk)	NA	0.000	0.000	0.000	0.000	11.905	19.587	12.583	14.245
Aluminum	(mg/m^2/wk)	NA	0.153	0.134	0.076	0.356	0.153	0.534	0.712	0.178
Cadmium	(mg/m^2/wk)	NA	0.008	0.013	0.008	0.018	0.015	0.009	0.012	0.018
Calcium	(mg/m^2/wk)	NA	137.363	66.774	106.838	178.063	30.525	53.419	47.483	71.225
Copper	(mg/m^2/wk)	NA	0.015	0.027	0.061	0.018	0.015	0.009	0.119	0.036
Magnesium	(mg/m^2/wk)	NA	3.053	1.335	3.053	7.123	3.053	1.781	2.374	3.561
Zinc	(mg/m^2/wk)	NA	0.076	0.134	0.076	0.178	0.076	0.089	0.119	0.178

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

ISLAND COPPER MINE

MINEWALL FIELD STUDIES

Station 6

Surface Area (m^2)= 0.1638

Date		20-Oct-93	27-Oct-93	23-Nov-93	21-Dec-93	
Time Interval (wk)		1.1	1	3.9	4	Average
pH		6.11	6.08	6.64	6.83	6.53
Conductivity	(uS/cm)	170	230	185	189	233.4
Alkalinity	(mg CaCO3/L)	6.3	4.7	4.9	8.1	9.0
Acidity	(mg CaCO3/L)					
Sulfate	Dissolved (mg/L)	61	110	93	75	92.3
Silicon	Dissolved (mg/L)	3.4	4.3	2.7	2.4	5.1
Aluminum	Dissolved (mg/L)	0.1	0.1	0.2	0.7	0.20
Cadmium	Dissolved (mg/L)	*0.005*	*0.005*	*0.005*	*0.005*	0.01
Calcium	Dissolved (mg/L)	20	40	30	30	38
Copper	Dissolved (mg/L)	0.03	0.02	0.03	0.02	0.04
Magnesium	Dissolved (mg/L)	2	2	2	1	1.7
Zinc	Dissolved (mg/L)	*0.05*	*0.05*	*0.05*	*0.05*	0.06
Alkalinity	(mg/m^2/wk)	16.827	14.347	3.878	6.181	16.667
Acidity	(mg/m^2/wk)	0.000	0.000	0.000	0.000	0.000
Sulfate	(mg/m^2/wk)	162.927	335.775	73.599	57.234	172.715
Silicon	(mg/m^2/wk)	9.081	13.126	2.137	1.832	4.225
Aluminum	(mg/m^2/wk)	0.267	0.305	0.158	0.534	0.395
Cadmium	(mg/m^2/wk)	0.013	0.015	0.004	0.004	0.011
Calcium	(mg/m^2/wk)	53.419	122.100	23.742	22.894	69.770
Copper	(mg/m^2/wk)	0.080	0.061	0.024	0.015	0.060
Magnesium	(mg/m^2/wk)	5.342	6.105	1.583	0.763	3.160
Zinc	(mg/m^2/wk)	0.134	0.153	0.040	0.038	0.133

NOTE: Values reported as below detection were assigned a value of 1/2 detection limit, and are shown in italics

APPENDIX C.

MINEWALL Report Containing Input and Output Data for the Main Zone Pit at Equity Silver Mines

*** MINEWALL 2.0 REPORT ***

EQUITY SILVER MINES -
MAIN ZONE PIT-
COMPARISON TO MINEWALL 1.0 RESULTS

Printed on 04-08-1995 at 17:32:53

** INPUT DATA **

OPERATION:
Simulations were performed on a Monthly Basis:
Starting Month/Year is 1/ 1990
Ending Month/Year is 6/ 1992
CLOSURE:
Simulations were performed on a Monthly Basis:
Starting Month/Year is 7/ 1992
Ending Month/Year is 7/ 2010

Geochemical Parameters in this simulation were:

pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)

Geochemical/Rock Units and their physicochemical characteristics were:

Unit Name	Gabbro	Volcanics#1	Volcanics#2
Unit #	1	2	3
Rate - Control	1	1	1
- max 'd', m	.01	.01	.01
Years Exposed	5	5	5
Lat. Area, m^2	315000	234000	214000
- %Area Sloping	0	0	0
- Slope Angle	0	0	0
Ratio Total/Wall	20	40	40
%Surf Flush Reg	28	28	28
%Surf Flush Per	2	2	2
%Surf Not Flushd	70	70	70
Reactive %S	.8	1.07	2.4
React ppt CaCO3	27.5	6.7	0
Spec. Grav.	3	3	3

For each Geochemical Unit, the FACTOR in the rate-control equation was:

Unit	1	2	3
Factor	0	0	0

Periodic, non-regular fracture flushing over an annual period was:

Time	Unit 1	Unit 2	Unit 3
1	0	0	0
2	0	0	0
3	1	1	1
4	0	0	0
5	0	0	0
6	0	0	0
7	0	0	0
8	0	0	0
9	0	0	0
10	0	0	0
11	1	1	1
12	0	0	0

The following rates are decreased to 0 % when the Units are submerged

For each Geochemical Unit, the following rate information was used:
UNIT # 1
Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH
1	0	11	11	22	5
2	0	11	11	22	5
3	0	11	11	22	5
4	0	11	11	22	5
5	0	11	11	22	5
6	0	11	11	22	5
7	0	11	11	22	5
8	0	11	11	22	5
9	0	11	11	22	5
10	0	11	11	22	5

11	0	11	11	22	5
12	0	11	11	22	5

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 1

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5

UNIT # 2

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH
1	0	11	11	22	5
2	0	11	11	22	5
3	0	11	11	22	5
4	0	11	11	22	5
5	0	11	11	22	5
6	0	11	11	22	5
7	0	11	11	22	5
8	0	11	11	22	5
9	0	11	11	22	5
10	0	11	11	22	5
11	0	11	11	22	5
12	0	11	11	22	5

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 2

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5
12	0	11	11	22	5

UNIT # 3

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH
1	0	55	55	0	3
2	0	55	55	0	3
3	0	55	55	0	3
4	0	55	55	0	3
5	0	55	55	0	3
6	0	55	55	0	3
7	0	55	55	0	3
8	0	55	55	0	3
9	0	55	55	0	3
10	0	55	55	0	3
11	0	55	55	0	3
12	0	55	55	0	3

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 3

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH
12	0	55	55	0	3
12	0	55	55	0	3
12	0	55	55	0	3
12	0	55	55	0	3
12	0	55	55	0	3
12	0	55	55	0	3
12	0	55	55	0	3
12	0	55	55	0	3
12	0	55	55	0	3
12	0	55	55	0	3
12	0	55	55	0	3
12	0	55	55	0	3

Rate Acceleration Factor for each Unit when NP was depleted was:
Unit # 1 1
Unit # 2 1
Unit # 3 1

Mine dimensions and distribution of Geochemical Units in the mine were:
* MINE DIM'S

Important Pts.	Elev. (masl)	Cum.Vol.(m^3)	Area (m^2)	Unit# 1 (Cum.%)	Unit# 2 (Cum.%)	Unit# 3 (Cum.%)
Top of Mine	1320	1.6E+07	300000	100	100	100
Drain Level	1290	1.6E+07	280000	90	90	90
Equil. Level	1282	1.56E+07	275000	80	80	80
1280	1.53E+07	272000	70	70	70	
1260	1.22E+07	234000	60	60	60	
1240	9500000	198000	50	50	50	
1220	7070000	162000	40	40	40	
1200	5060000	130000	30	30	30	
1180	3380000	99000	20	20	20	
1160	2000000	70000	10	10	10	
1140	896000	41000	5	5	5	
Bottom of Mine	1120	0	37000	2	2	2

Characteristics of the Layers during Operation (Mine Bottom) and During Closure (others), if selected, were:

LAYER NUMBER:	0	1
LAYER NAME:	Mine Bottom	Pit Bottom
FLOWS:...	0	
-Precip (%)	100	100
-Evap (%)	100	100
-Runoff (%)	100	100
-Sat Flow (%)	100	100
-Pump#1 (%)	100	100
-Pump#2 (%)	100	100

CHEM:...
-Mass Balance
-Set Value
-Equilibrium
-Kinetic
-Empirical

The geochemical controls for each Parameter in each layer were:

LAYER NUMBER:	0	1
pH	L= 1Ac+ 1	L= 1Ac+ 1
Alk (mg/L)	L= .301pH+-.107	L= .301pH+-.107
Acid (mg/L)	L=-.575pH+ 4.31	L=-.575pH+ 4.31
SO4 (mg/L)	Mass balance	Mass balance

The information used for each of the flows was:
* MINE PRECIP
* OPERATION

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
1	0	5	0	0	0
2	0	5	0	0	0
3	.000584	5	0	0	0
4	.00108	5	0	0	0
5	.00129	5	0	0	0
6	.00187	5	0	0	0
7	.00229	5	0	0	0
8	.0035	5	0	0	0
9	.00107	5	0	0	0
10	.00226	5	0	0	0
11	.000155	5	0	0	0
12	.0003	5	0	0	0

* CLOSURE

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
7	.00229	5	0	0	0
8	.0035	5	0	0	0
9	.00107	5	0	0	0
10	.00226	5	0	0	0
11	.000155	5	0	0	0
12	.0003	5	0	0	0
1	0	5	0	0	0
2	0	5	0	0	0

3	.000584	5	0	0	0
4	.00108	5	0	0	0
5	.00129	5	0	0	0
6	.00181	5	0	0	0

* MINE SATUR GW
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
1	820	7.67	139	0	463
2	820	7.67	139	0	463
3	1000	7.67	139	0	463
4	1000	7.67	139	0	463
5	820	7.67	139	0	463
6	820	7.67	139	0	463
7	820	7.67	139	0	463
8	820	7.67	139	0	463
9	820	7.67	139	0	463
10	820	7.67	139	0	463
11	820	7.67	139	0	463
12	820	7.67	139	0	463

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
7	820	7.67	139	0	463
8	820	7.67	139	0	463
9	820	7.67	139	0	463
10	820	7.67	139	0	463
11	820	7.67	139	0	463
12	820	7.67	139	0	463
1	820	7.67	139	0	463
2	820	7.67	139	0	463
3	1000	7.67	139	0	463
4	1000	7.67	139	0	463
5	820	7.67	139	0	463
6	820	7.67	139	0	463

* MINE RUNOFF
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
1	70.9	6	0	0	0
2	205	6	0	0	0
3	-216	6	0	0	0
4	630	6	0	0	0
5	-323	6	0	0	0
6	113	6	0	0	0
7	29	6	0	0	0
8	-774	6	0	0	0
9	50	6	0	0	0
10	-577	6	0	0	0
11	410	6	0	0	0
12	373	6	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
7	29	6	0	0	0
8	-774	6	0	0	0
9	50	6	0	0	0
10	-577	6	0	0	0
11	410	6	0	0	0
12	373	6	0	0	0
1	70.9	6	0	0	0
2	205	6	0	0	0
3	-216	6	0	0	0
4	630	6	0	0	0
5	323	6	0	0	0
6	113	6	0	0	0

* PIT EVAP
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

* MINE PUMP #1
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

* MINE PUMP #2
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	0	0	0	0	0
12	0	0	0	0	0
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0

During Operation, Pump #2 was adjusted to obtain no net accumulation of water

** SIMULATION RESULTS **

* OPERATION *

Non-cumulative Total Loadings and Flows Per Time Interval:

YEAR	Month	Flow (m^3/int)	pH(mg/interval)	Alk(mg/int)	Aci(mg/int)	SO4(mg/int)	1:S rem.(kg)	:NP rem.(kg)	2: S rem. (kg)	2: NP (kg)	3:S rem.(kg)	3:NP (kg)	Pump #2 (m^3/d)	Water Elev (m)
1990	1	135891.6	1.027607E+09	2.492338E+10	7.75606E+09	6.660336E+10	1469124	4940215	2940858	1499108	5871912	0	-135891.6	1120
1990	2	137760	1.018276E+09	2.251144E+10	7.005478E+09	6.015787E+10	1468470	4936294	2939887	1493284	5867474	0	-137760	1120
1990	3	139078.4	1.082458E+09	3.030628E+10	9.364461E+09	8.112946E+10	1467747	4931954	2938812	1486836	5862560	0	-139078.4	1120
1990	4	245040	1.7013E+09	2.78724E+10	7.50587E+09	7.695586E+10	1467047	4927754	2937772	1480596	5857805	0	-245040	1120
1990	5	111042	8.545149E+08	2.492338E+10	7.75606E+09	6.660336E+10	1466324	4923413	2936697	1474148	5852891	0	-111042	1120
1990	6	170220	1.19307E+09	2.41194E+10	7.50587E+09	6.445487E+10	1465624	4919213	2935657	1467908	5848136	0	-170220	1120
1990	7	173290	1.209403E+09	2.492338E+10	7.75606E+09	6.660336E+10	1464901	4914873	2934583	1461460	5843223	0	-173290	1120
1990	8	96224	7.245009E+08	2.492338E+10	7.75606E+09	6.660336E+10	1464177	4910532	2933508	1455012	5838309	0	-96224	1120
1990	9	148260	1.07571E+09	2.41194E+10	7.50587E+09	6.445487E+10	1463477	4906332	2932468	1448772	5833554	0	-148260	1120
1990	10	97588	7.55749E+08	2.492338E+10	7.75606E+09	6.660336E+10	1462754	4901991	2931393	1442324	5828640	0	-97588	1120
1990	11	174990	1.25256E+09	2.819908E+10	1.186642E+10	6.881542E+10	1462054	4897791	2930353	1436085	5823885	0	-174990	1120
1991	0	178932	1.280269E+09	2.492338E+10	7.75606E+09	6.660336E+10	1461331	4893451	2929278	1429637	5818971	0	-178932	1120
1991	1	135891.6	1.027607E+09	2.492338E+10	7.75606E+09	6.660336E+10	1460608	4889110	2928204	1423189	5814057	0	-135891.6	1120
1991	2	137760	1.018276E+09	2.251144E+10	7.005478E+09	6.015787E+10	1459954	4885189	2927233	1417365	5809619	0	-137760	1120
1991	3	139078.4	1.082458E+09	3.08246E+10	9.918465E+09	8.168347E+10	1459231	4880849	2926158	1410917	5804706	0	-139078.4	1120
1991	4	245040	1.7013E+09	2.78724E+10	7.50587E+09	7.695586E+10	1458531	4876649	2925118	1404677	5799950	0	-245040	1120
1991	5	111042	8.545149E+08	2.492338E+10	7.75606E+09	6.660336E+10	1457808	4872308	2924043	1398229	5795037	0	-111042	1120
1991	6	170220	1.19307E+09	2.41194E+10	7.50587E+09	6.445487E+10	1457108	4868108	2923004	1391989	5790281	0	-170220	1120
1991	7	173290	1.209403E+09	2.492338E+10	7.75606E+09	6.660336E+10	1456385	4863768	2921929	1385541	5785368	0	-173290	1120
1991	8	96224	7.245009E+08	2.492338E+10	7.75606E+09	6.660336E+10	1455661	4859427	2920854	1379093	5780454	0	-96224	1120
1991	9	148260	1.07571E+09	2.41194E+10	7.50587E+09	6.445487E+10	1454962	4855227	2919814	1372853	5775699	0	-148260	1120
1991	10	97588	7.55749E+08	2.492338E+10	7.75606E+09	6.660336E+10	1454238	4850886	2918739	1366405	5770785	0	-97588	1120
1991	11	174990	1.25256E+09	2.819908E+10	1.186642E+10	6.881542E+10	1453538	4846686	2917699	1360165	5766030	0	-174990	1120
1992	0	178932	1.280269E+09	2.492338E+10	7.75606E+09	6.660336E+10	1452815	4842346	2916624	1353717	5761116	0	-178932	1120
1992	1	135891.6	1.027607E+09	2.492338E+10	7.75606E+09	6.660336E+10	1452092	4838005	2915550	1347269	5756203	0	-135891.6	1120
1992	2	142680	1.054643E+09	2.331542E+10	7.25567E+09	6.230636E+10	1451415	4833945	2914544	1341237	5751606	0	-142680	1120
1992	3	139078.4	1.082458E+09	3.084132E+10	9.936336E+09	8.170133E+10	1450692	4829604	2913470	1334789	5746692	0	-139078.4	1120
1992	4	245040	1.7013E+09	2.78724E+10	7.50587E+09	7.695586E+10	1449992	4825404	2912430	1328549	5741937	0	-245040	1120
1992	5	111042	8.545149E+08	2.492338E+10	7.75606E+09	6.660336E+10	1449269	4821064	2911355	1322101	5737023	0	-111042	1120
1992	6	170220	1.19307E+09	2.41194E+10	7.50587E+09	6.445487E+10	1448569	4816864	2910315	1315861	5732268	0	-170220	1120

Non-cumulative Flows and Concentrations Per Time Interval for Mine Bottom Sump(s)

YEAR	Month	Flow (m^3/int)	pH	Alk(mg/L)	Aci(mg/L)	SO4(mg/L)	1:S rem.(kg)	1:NP (kg)	2:S rem. (kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	Pump #2(m^3/d)	Water Elev (m)
1990	1	135891.6	7.337242	126.331	0	490.1213	1469124	4940215	2940858	1499108	5871912	0	-135891.6	1120
1990	2	137760	7.170683	112.5578	0	436.686	1468470	4936294	2939887	1493284	5867474	0	-137760	1120
1990	3	139078.4	7.590547	150.5756	0	583.3362	1467747	4931954	2938812	1486836	5862560	0	-139078.4	1120
1990	4	245040	6.733157	83.11513	0	314.0543	1467047	4927754	2937772	1480596	5857805	0	-245040	1120
1990	5	111042	7.628622	154.602	0	599.8033	1466324	4923413	2936697	1474148	5852891	0	-111042	1120
1990	6	170220	6.964954	97.60034	0	378.6563	1465624	4919213	2935657	1467908	5848136	0	-170220	1120
1990	7	173290	6.986475	99.06699	0	384.3463	1464901	4914873	2934583	1461460	5843223	0	-173290	1120
1990	8	96224	7.835279	178.4099	0	692.1699	1464177	4910532	2933508	1455012	5838309	0	-96224	1120

1990	9	148260	7.164246	112.0567	0	434.7421	1463477	4906332	2932468	1448772	5833554	0	-148260	1120
1990	10	97588	7.81497	175.9163	0	682.4954	1462754	4901991	2931393	1442324	5828640	0	-97588	1120
1990	11	174990	6.900477	93.33481	0	393.2534	1462054	4897791	2930353	1436085	5823885	0	-174990	1120
1991	0	178932	6.940247	95.94324	0	372.2272	1461331	4893451	2929278	1429637	5818971	0	-178932	1120
1991	1	135891.6	7.337242	126.331	0	490.1213	1460608	4889110	2928204	1423189	5814057	0	-135891.6	1120
1991	2	137760	7.170683	112.5578	0	436.686	1459954	4885189	2927233	1417365	5809619	0	-137760	1120
1991	3	139078.4	7.588087	150.3191	0	587.3196	1459231	4880849	2926158	1410917	5804706	0	-139078.4	1120
1991	4	245040	6.733157	83.11513	0	314.0543	1458531	4876649	2925118	1404677	5799950	0	-245040	1120
1991	5	111042	7.628622	154.602	0	599.8033	1457808	4872308	2924043	1398229	5795037	0	-111042	1120
1991	6	170220	6.964954	97.60034	0	378.6563	1457108	4868108	2923004	1391989	5790281	0	-170220	1120
1991	7	173290	6.986475	99.06699	0	384.3463	1456385	4863768	2921929	1385541	5785368	0	-173290	1120
1991	8	96224	7.835279	178.4099	0	692.1699	1455661	4859427	2920854	1379093	5780454	0	-96224	1120
1991	9	148260	7.164246	112.0567	0	434.7421	1454962	4855227	2919814	1372853	5775699	0	-148260	1120
1991	10	97588	7.81497	175.9163	0	682.4954	1454238	4850886	2918739	1366405	5770785	0	-97588	1120
1991	11	174990	6.900477	93.33481	0	393.2534	1453538	4846686	2917699	1360165	5766030	0	-174990	1120
1992	0	178932	6.940247	95.94324	0	372.2272	1452815	4842346	2916624	1353717	5761116	0	-178932	1120
1992	1	135891.6	7.337242	126.331	0	490.1213	1452092	4838005	2915550	1347269	5756203	0	-135891.6	1120
1992	2	142680	7.170683	112.5578	0	436.686	1451415	4833945	2914544	1341237	5751606	0	-142680	1120
1992	3	139078.4	7.588007	150.3108	0	587.448	1450692	4829604	2913470	1334789	5746692	0	-139078.4	1120
1992	4	245040	6.733157	83.11513	0	314.0543	1449992	4825404	2912430	1328549	5741937	0	-245040	1120
1992	5	111042	7.628622	154.602	0	599.8033	1449269	4821064	2911355	1322101	5737023	0	-111042	1120
1992	6	170220	6.964954	97.60034	0	378.6563	1448569	4816864	2910315	1315861	5732268	0	-170220	1120

* CLOSURE *

Cumulative Total Loadings and Volumes Per Time Interval:

YEAR	Month	Vol (m^3/Lyr)	pH(/interval)	Alk(mg/int)	Aci(mg/int)	SO4(mg/int)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	Pump #2	Water Elevation (m)
1992	7	173290	1.209403E+09	7.246874E+10	5.857473E+10	1.17422E+11	1447864	4812634	2909268	1309578	5727479	0	0	1123.868
1992	8	269514	1.933904E+09	1.383506E+11	8.66915E+10	2.043861E+11	1447161	4808419	2908224	1303315	5722707	0	0	1126.016
1992	9	417774	3.009614E+09	2.178723E+11	1.217639E+11	2.964075E+11	1446485	4804361	2907219	1297285	5718112	0	0	1129.325
1992	10	515362	3.765363E+09	3.30071E+11	1.823625E+11	4.154694E+11	1445788	4800181	2906184	1291075	5713378	0	0	1131.504
1992	11	690352	5.017923E+09	4.580791E+11	2.439141E+11	5.338352E+11	1445118	4796161	2905188	1285101	5708826	0	0	1135.41
1993	0	869284	6.298191E+09	6.231196E+11	3.310882E+11	6.790531E+11	1444430	4792031	2904166	1278967	5704151	0	0	1139.404
1993	1	1005176	7.325798E+09	8.063362E+11	4.177661E+11	8.241589E+11	1443746	4787927	2903150	1272870	5699505	0	0	1141.978
1993	2	1142936	8.344074E+09	1.030646E+12	5.352108E+11	9.9336E+11	1443133	4784245	2902238	1267399	5695335	0	0	1144.474
1993	3	1282014	9.426532E+09	1.303083E+12	6.754532E+11	1.20346E+12	1442458	4780194	2901235	1261381	5690749	0	0	1146.993
1993	4	1527054	1.112783E+10	1.618584E+12	8.364254E+11	1.431338E+12	1441812	4776321	2900276	1255626	5686363	0	0	1151.432
1993	5	1718200	1.246297E+10	1.979848E+12	1.022058E+12	1.672518E+12	1441151	4772355	2899294	1249735	5681873	0	0	1154.895
1993	6	1887340	1.365064E+10	2.375467E+12	1.214938E+12	1.91955E+12	1440517	4768550	2898352	1244081	5677565	0	0	1157.959
1993	7	2030849	1.913836E+10	1.198625E+12	2.626036E+10	1.989346E+12	1439866	4764649	2897386	1238286	5673148	0	0	1160.447
1993	8	2097291	1.963443E+10	1.255324E+12	6.190588E+10	2.067863E+12	1439220	4760769	2896425	1232521	5668755	0	0	1161.41
1993	9	2216730	2.048909E+10	1.334181E+12	1.087988E+11	2.155345E+12	1438600	4757050	2895504	1226996	5664544	0	0	1163.141
1993	10	2284537	2.101641E+10	1.42199E+12	1.495744E+11	2.239069E+12	1437963	4753228	2894558	1221318	5660216	0	0	1164.124
1993	11	2430706	2.204792E+10	1.548686E+12	2.226094E+11	2.351175E+12	1437354	4749573	2893653	1215888	5656078	0	0	1166.242
1994	0	2579857	2.309976E+10	1.707346E+12	3.095E+11	2.47736E+12	1436732	4745844	2892730	1210347	5651855	0	0	1168.404
1994	1	2685967	2.389894E+10	1.903276E+12	4.150965E+11	2.620815E+12	1436116	4742147	2891814	1204854	5647669	0	0	1169.942

1994	2	2796827	2.47109E+10	2.138881E+12	5.409193E+11	2.778483E+12	1435565	4738839	2890995	1199940	5643924	0	0	1171.548
1994	3	2899587	2.551479E+10	2.426525E+12	6.919982E+11	2.973795E+12	1434959	4735209	2890096	1194546	5639813	0	0	1173.037
1994	4	3109479	2.694651E+10	2.763118E+12	8.667744E+11	3.188922E+12	1434384	4731759	2889242	1189420	5635908	0	0	1176.079
1994	5	3270844	2.805323E+10	3.152061E+12	1.069106E+12	3.421139E+12	1433799	4728244	2888372	1184198	5631928	0	0	1178.418
1994	6	3411163	2.901984E+10	3.599466E+12	1.300843E+12	3.678702E+12	1433239	4724883	2887540	1179205	5628123	0	0	1180.371
1994	7	3537088	3.411419E+10	2.335647E+12	2.772618E+10	3.740298E+12	1432665	4721442	2886688	1174093	5624227	0	0	1181.87
1994	8	3585947	3.44754E+10	2.371948E+12	4.359553E+10	3.792013E+12	1432094	4718014	2885839	1169000	5620346	0	0	1182.452
1994	9	3688370	3.519954E+10	2.436865E+12	8.551295E+10	3.86504E+12	1431546	4714721	2885023	1164109	5616618	0	0	1183.671
1994	10	3738593	3.5592E+10	2.506627E+12	1.180759E+11	3.93181E+12	1430981	4711332	2884184	1159074	5612782	0	0	1184.269
1994	11	3867745	3.649299E+10	2.613868E+12	1.831592E+11	4.025849E+12	1430439	4708084	2883380	1154249	5609104	0	0	1185.807
1995	0	3999312	3.740997E+10	2.751364E+12	2.615202E+11	4.132481E+12	1429886	4704762	2882557	1149312	5605342	0	0	1187.373
1995	1	4087839	3.807429E+10	2.903318E+12	3.350942E+11	4.235942E+12	1429336	4701462	2881740	1144410	5601606	0	0	1188.427
1995	2	4182817	3.876443E+10	3.099255E+12	4.430726E+11	4.365221E+12	1428843	4698504	2881007	1140014	5598256	0	0	1189.557
1995	3	4264133	3.940385E+10	3.320059E+12	5.506839E+11	4.507304E+12	1428300	4695249	2880201	1135179	5594571	0	0	1190.525
1995	4	4453274	4.067641E+10	3.59105E+12	6.949891E+11	4.67906E+12	1427783	4692147	2879433	1130569	5591058	0	0	1192.777
1995	5	4597055	4.164825E+10	3.907145E+12	8.630075E+11	4.864904E+12	1427255	4688977	2878648	1125860	5587469	0	0	1194.489
1995	6	4720358	4.248436E+10	4.274389E+12	1.056757E+12	5.071936E+12	1426749	4685940	2877896	1121349	5584031	0	0	1195.957
1995	7	4834055	4.686695E+10	3.254543E+12	2.94226E+10	5.12804E+12	1426231	4682831	2877126	1116729	5580511	0	0	1197.31
1995	8	4870686	4.713437E+10	3.289788E+12	4.530135E+10	5.173568E+12	1425714	4679731	2876358	1112124	5577001	0	0	1197.746
1995	9	4961275	4.776775E+10	3.333028E+12	6.521231E+10	5.221761E+12	1425218	4676754	2875622	1107701	5573630	0	0	1198.825
1995	10	4999270	4.806642E+10	3.408807E+12	1.143367E+11	5.294857E+12	1424706	4673686	2874862	1103144	5570158	0	0	1199.277
1995	11	5116589	4.887664E+10	3.491473E+12	1.555909E+11	5.361934E+12	1424216	4670745	2874134	1098775	5566828	0	0	1200.563
1996	0	5235928	4.969983E+10	3.611757E+12	2.27121E+11	5.454333E+12	1423714	4667732	2873387	1094297	5563416	0	0	1201.75
1996	1	5312227	5.027036E+10	3.742333E+12	2.905678E+11	5.541284E+12	1423214	4664734	2872645	1089845	5560023	0	0	1202.51
1996	2	5399158	5.089741E+10	3.916356E+12	3.892612E+11	5.654836E+12	1422750	4661948	2871955	1085704	5556868	0	0	1203.375
1996	3	5465562	5.142246E+10	4.110262E+12	4.841115E+11	5.775818E+12	1422256	4658983	2871221	1081300	5553511	0	0	1204.035
1996	4	5640272	5.258433E+10	4.353517E+12	6.165179E+11	5.925816E+12	1421784	4656151	2870519	1077091	5550303	0	0	1205.774
1996	5	5771825	5.346238E+10	4.640598E+12	7.718466E+11	6.089383E+12	1421301	4653251	2869801	1072783	5547021	0	0	1207.083
1996	6	5883294	5.420772E+10	4.953307E+12	9.263071E+11	6.252835E+12	1420837	4650469	2869112	1068649	5543870	0	0	1208.192
1996	7	5987392	5.818957E+10	4.064302E+12	3.126733E+10	6.304804E+12	1420361	4647615	2868405	1064410	5540640	0	0	1209.228
1996	8	6014423	5.838337E+10	4.099087E+12	4.734347E+10	6.345546E+12	1419887	4644767	2867700	1060180	5537416	0	0	1209.497
1996	9	6095723	5.894549E+10	4.141906E+12	6.746254E+10	6.388986E+12	1419430	4642029	2867022	1056111	5534315	0	0	1210.306
1996	10	6124118	5.917053E+10	4.194262E+12	9.230157E+10	6.437533E+12	1418960	4639205	2866323	1051916	5531118	0	0	1210.588
1996	11	6232148	5.990951E+10	4.284071E+12	1.517561E+11	6.512726E+12	1418508	4636495	2865652	1047889	5528049	0	0	1211.663
1997	0	6341887	6.065906E+10	4.377969E+12	1.973219E+11	6.578715E+12	1418045	4633717	2864964	1043763	5524905	0	0	1212.755
1997	1	6408586	6.115596E+10	4.513581E+12	2.782742E+11	6.672212E+12	1417585	4630954	2864280	1039658	5521776	0	0	1213.419
1997	2	6483850	6.169489E+10	4.658513E+12	3.494649E+11	6.756818E+12	1417171	4628473	2863666	1035972	5518967	0	0	1214.168
1997	3	6538547	6.213014E+10	4.829333E+12	4.332986E+11	6.86101E+12	1416715	4625738	2862989	1031908	5515870	0	0	1214.712
1997	4	6701927	6.320512E+10	5.048052E+12	5.552381E+11	6.99346E+12	1416280	4623124	2862342	1028026	5512912	0	0	1216.338
1997	5	6823881	6.400955E+10	5.308677E+12	6.990135E+11	7.138703E+12	1415834	4620450	2861680	1024053	5509883	0	0	1217.551
1997	6	6926060	6.468363E+10	5.590977E+12	8.387102E+11	7.281686E+12	1415406	4617883	2861044	1020239	5506977	0	0	1218.568
1997	7	7022017	6.834472E+10	4.790216E+12	3.316729E+10	7.330257E+12	1414968	4615251	2860393	1016329	5503997	0	0	1219.523
1997	8	7040908	6.847607E+10	4.824837E+12	4.951894E+10	7.366966E+12	1414530	4612623	2859742	1012424	5501021	0	0	1219.711
1997	9	7114330	6.897777E+10	4.867568E+12	6.994302E+10	7.406407E+12	1414108	4610094	2859115	1008666	5498157	0	0	1220.365
1997	10	7134585	6.914037E+10	4.919767E+12	9.506591E+10	7.45069E+12	1413673	4607484	2858469	1004789	5495202	0	0	1220.532
1997	11	7234736	6.981893E+10	5.011327E+12	1.568561E+11	7.522145E+12	1413255	4604974	2857848	1001061	5492361	0	0	1221.356

1998	0	7336335	7.050605E+10	5.106319E+12	2.033421E+11	7.583729E+12	1412826	4602400	2857210	997235.8	5489446	0	0	1222.192
1998	1	7394894	7.094051E+10	5.217597E+12	2.579611E+11	7.652209E+12	1412399	4599836	2856576	993426.4	5486543	0	0	1222.674
1998	2	7462805	7.142304E+10	5.372681E+12	3.504408E+11	7.746542E+12	1412014	4597531	2856005	990001.1	5483933	0	0	1223.233
1998	3	7507574	7.178215E+10	5.54201E+12	4.339857E+11	7.843531E+12	1411590	4594987	2855375	986220.8	5481051	0	0	1223.601
1998	4	7661348	7.278344E+10	5.73361E+12	5.280202E+11	7.948196E+12	1411184	4592551	2854772	982602.3	5478293	0	0	1224.867
1998	5	7775161	7.352543E+10	5.976286E+12	6.644415E+11	8.080274E+12	1410768	4590054	2854154	978892.3	5475466	0	0	1225.804
1998	6	7869462	7.413909E+10	6.236061E+12	7.932646E+11	8.207888E+12	1410368	4587653	2853559	975326.4	5472749	0	0	1226.58
1998	7	7959133	7.761235E+10	5.481741E+12	3.516683E+10	8.254015E+12	1409957	4585189	2852949	971664.4	5469958	0	0	1227.318
1998	8	7971738	7.769549E+10	5.516618E+12	5.192537E+10	8.287683E+12	1409547	4582726	2852339	968005.8	5467170	0	0	1227.422
1998	9	8039076	7.815053E+10	5.55975E+12	7.282237E+10	8.324121E+12	1409151	4580355	2851752	964482.7	5464485	0	0	1227.976
1998	10	8053045	7.826493E+10	5.612384E+12	9.844499E+10	8.365215E+12	1408743	4577908	2851146	960845.9	5461713	0	0	1228.091
1998	11	8147113	7.889682E+10	5.67692E+12	1.313466E+11	8.41222E+12	1408351	4575555	2850564	957350.8	5459049	0	0	1228.865
1999	0	8242426	7.953573E+10	5.781366E+12	1.997293E+11	8.484824E+12	1407949	4573141	2849965	953763.4	5456316	0	0	1229.65
1999	1	8294699	7.992197E+10	5.890039E+12	2.533314E+11	8.548294E+12	1407548	4570736	2849370	950189.9	5453593	0	0	1230.08
1999	2	8356932	8.036096E+10	6.014985E+12	3.151314E+11	8.616526E+12	1407187	4568574	2848835	946977.5	5451144	0	0	1230.592
1999	3	8394035	8.066127E+10	6.160969E+12	3.873457E+11	8.700052E+12	1406790	4566186	2848244	943430.8	5448441	0	0	1230.897
1999	4	8540390	8.160565E+10	6.355185E+12	5.00351E+11	8.811769E+12	1406409	4563901	2847678	940035.1	5445853	0	0	1232.102
1999	5	8647917	8.229943E+10	6.560091E+12	6.020102E+11	8.913719E+12	1406018	4561559	2847098	936555.1	5443201	0	0	1232.987
1999	6	8736135	8.286643E+10	6.820456E+12	7.489045E+11	9.047382E+12	1405643	4559306	2846540	933209.1	5440651	0	0	1233.713
1999	7	8820209	8.611546E+10	6.080683E+12	4.132019E+09	9.069055E+12	1405257	4556994	2845967	929773.9	5438033	0	0	1234.405
1999	8	8827217	8.615567E+10	6.092717E+12	9.713791E+09	9.092177E+12	1404872	4554684	2845395	926340.6	5435417	0	0	1234.463
1999	9	8889139	8.656917E+10	6.107988E+12	1.691796E+10	9.116355E+12	1404501	4552458	2844844	923034.1	5432897	0	0	1234.972
1999	10	8897511	8.664064E+10	6.159114E+12	5.993681E+10	9.165826E+12	1404118	4550158	2844275	919618.4	5430294	0	0	1235.041
1999	11	8986163	8.723099E+10	6.209071E+12	8.570832E+10	9.204675E+12	1403750	4547949	2843727	916335.8	5427793	0	0	1235.771
2000	0	9075879	8.782697E+10	6.269361E+12	1.15376E+11	9.247119E+12	1403372	4545682	2843166	912967.9	5425226	0	0	1236.509
2000	1	9122555	8.81703E+10	6.341298E+12	1.508598E+11	9.29451E+12	1402996	4543424	2842607	909612.4	5422669	0	0	1236.893
2000	2	9181775	8.858481E+10	6.457122E+12	2.266246E+11	9.368575E+12	1402645	4541321	2842086	906487.1	5420287	0	0	1237.381
2000	3	9212054	8.883277E+10	6.580447E+12	2.878124E+11	9.439704E+12	1402271	4539077	2841531	903154.3	5417747	0	0	1237.63
2000	4	9351804	8.97265E+10	6.72202E+12	3.575331E+11	9.516898E+12	1401913	4536931	2840999	899965.3	5415316	0	0	1238.78
2000	5	9453734	9.037736E+10	6.915029E+12	4.721161E+11	9.62203E+12	1401547	4534730	2840454	896696	5412825	0	0	1239.619
2000	6	9536536	9.090281E+10	7.119817E+12	5.739743E+11	9.719868E+12	1401194	4532614	2839930	893552.7	5410430	0	0	1240.271
2000	7	9615466	9.374647E+10	6.554027E+12	3.884094E+09	9.73891E+12	1400832	4530440	2839392	890323.7	5407969	0	0	1240.855
2000	8	9617330	9.374722E+10	6.564941E+12	9.132539E+09	9.759316E+12	1400470	4528267	2838854	887095.1	5405508	0	0	1240.869
2000	9	9674273	9.412253E+10	6.612371E+12	5.166775E+10	9.804019E+12	1400120	4526172	2838335	883982.7	5403136	0	0	1241.291
2000	10	9677501	9.415454E+10	6.655587E+12	7.30588E+10	9.836176E+12	1399760	4524007	2837799	880767.3	5400686	0	0	1241.315
2000	11	9761174	9.47067E+10	6.710689E+12	1.015529E+11	9.873967E+12	1399413	4521926	2837284	877675.1	5398329	0	0	1241.935
2001	0	9845746	9.526323E+10	6.776149E+12	1.340395E+11	9.91526E+12	1399057	4519789	2836755	874500.3	5395910	0	0	1242.561
2001	1	9887277	9.556709E+10	6.853218E+12	1.723249E+11	9.961373E+12	1398702	4517659	2836228	871335.4	5393498	0	0	1242.869
2001	2	9939808	9.593165E+10	6.976062E+12	2.5306E+11	1.003434E+13	1398382	4515742	2835753	868487.2	5391328	0	0	1243.258
2001	3	9963813	9.61315E+10	7.105665E+12	3.176658E+11	1.010352E+13	1398029	4513623	2835229	865339.5	5388929	0	0	1243.436
2001	4	1.009749E+07	9.697866E+10	7.253777E+12	3.909667E+11	1.01788E+13	1397691	4511594	2834726	862324.6	5386631	0	0	1244.426
2001	5	1.019428E+07	9.759005E+10	7.455776E+12	5.115168E+11	1.028305E+13	1397344	4509512	2834210	859231.2	5384273	0	0	1245.143
2001	6	1.02721E+07	9.807732E+10	7.669182E+12	6.179223E+11	1.037944E+13	1397010	4507509	2833714	856255.8	5382005	0	0	1245.719
2001	7	1.034676E+07	1.009081E+11	7.058657E+12	3.676671E+09	1.03963E+13	1396668	4505452	2833205	853199.2	5379675	0	0	1246.272
2001	8	1.034434E+07	1.008761E+11	7.068639E+12	8.646044E+09	1.041445E+13	1396324	4503395	2832695	850142	5377345	0	0	1246.254
2001	9	1.039715E+07	1.012197E+11	7.081527E+12	1.506221E+10	1.043362E+13	1395994	4501411	2832205	847195.8	5375100	0	0	1246.646

2001	10	1.03961E+07	1.012189E+11	7.098297E+12	2.341827E+10	1.045515E+13	1395652	4499362	2831697	844151.1	5372779	0	0	1246.638
2001	11	1.047564E+07	1.017393E+11	7.157006E+12	7.430032E+10	1.050449E+13	1395324	4497391	2831209	841221.8	5370547	0	0	1247.227
2002	0	1.055594E+07	1.02263E+11	7.211254E+12	1.013715E+11	1.053972E+13	1394987	4495367	2830708	838214.4	5368255	0	0	1247.822
2002	1	1.059319E+07	1.025341E+11	7.277218E+12	1.342944E+11	1.057967E+13	1394650	4493348	2830208	835215.9	5365970	0	0	1248.098
2002	2	1.064186E+07	1.028691E+11	7.354744E+12	1.729976E+11	1.062302E+13	1394348	4491533	2829759	832518.3	5363915	0	0	1248.458
2002	3	1.066065E+07	1.030289E+11	7.447376E+12	2.193445E+11	1.067705E+13	1394013	4489525	2829262	829536.1	5361642	0	0	1248.597
2002	4	1.078929E+07	1.038374E+11	7.589691E+12	3.109694E+11	1.075979E+13	1393692	4487602	2828786	826678.8	5359465	0	0	1249.55
2002	5	1.08818E+07	1.04416E+11	7.73616E+12	3.841014E+11	1.083023E+13	1393364	4485630	2828297	823748.6	5357231	0	0	1250.236
2002	6	1.095548E+07	1.048715E+11	7.903107E+12	4.674649E+11	1.090818E+13	1393048	4483733	2827827	820930.1	5355083	0	0	1250.781
2002	7	1.102617E+07	1.073817E+11	7.479714E+12	4.346692E+10	1.094767E+13	1392723	4481784	2827345	818033.4	5352875	0	0	1251.305
2002	8	1.101978E+07	1.073192E+11	7.516929E+12	6.22277E+10	1.097239E+13	1392398	4479833	2826861	815135.1	5350667	0	0	1251.258
2002	9	1.106875E+07	1.076333E+11	7.563177E+12	8.549247E+10	1.100005E+13	1392084	4477953	2826396	812341.9	5348538	0	0	1251.62
2002	10	1.106373E+07	1.07602E+11	7.61936E+12	1.137297E+11	1.103184E+13	1391760	4476009	2825915	809454.1	5346337	0	0	1251.583
2002	11	1.113942E+07	1.08093E+11	7.687468E+12	1.489596E+11	1.106906E+13	1391449	4474141	2825452	806677.3	5344221	0	0	1252.144
2003	0	1.121575E+07	1.085863E+11	7.766087E+12	1.883921E+11	1.110965E+13	1391129	4472222	2824977	803826.4	5342049	0	0	1252.709
2003	1	1.124903E+07	1.088269E+11	7.856367E+12	2.336491E+11	1.115487E+13	1390810	4470308	2824503	800983.6	5339882	0	0	1252.956
2003	2	1.129411E+07	1.091343E+11	7.996878E+12	3.260102E+11	1.122866E+13	1390523	4468586	2824076	798424.3	5337932	0	0	1253.29
2003	3	1.130806E+07	1.09257E+11	8.142532E+12	3.9908E+11	1.129608E+13	1390206	4466681	2823604	795594.2	5335775	0	0	1253.393
2003	4	1.143201E+07	1.100296E+11	8.30738E+12	4.812295E+11	1.136966E+13	1389902	4464857	2823153	792884.4	5333709	0	0	1254.311
2003	5	1.152055E+07	1.105777E+11	8.491957E+12	5.735944E+11	1.144893E+13	1389590	4462987	2822690	790105.8	5331592	0	0	1254.967
2003	6	1.159039E+07	1.110038E+11	8.736534E+12	7.183569E+11	1.156104E+13	1389290	4461187	2822244	787431.6	5329554	0	0	1255.484
2003	7	1.165738E+07	1.138712E+11	8.02416E+12	3.304392E+09	1.157397E+13	1388982	4459338	2821786	784684.6	5327460	0	0	1255.981
2003	8	1.164731E+07	1.137804E+11	8.032468E+12	7.772897E+09	1.158807E+13	1388673	4457487	2821328	781935.1	5325365	0	0	1255.906
2003	9	1.16927E+07	1.140672E+11	8.043413E+12	1.354299E+10	1.160316E+13	1388376	4455703	2820886	779284.8	5323345	0	0	1256.242
2003	10	1.168399E+07	1.140076E+11	8.05783E+12	2.106006E+10	1.162031E+13	1388069	4453858	2820429	776544.3	5321256	0	0	1256.178
2003	11	1.175612E+07	1.144712E+11	8.07763E+12	3.223978E+10	1.164081E+13	1387773	4452085	2819990	773908.9	5319247	0	0	1256.712
2004	0	1.182875E+07	1.149361E+11	8.141929E+12	8.770354E+10	1.16884E+13	1387469	4450262	2819539	771201.8	5317183	0	0	1257.25
2004	1	1.185835E+07	1.151485E+11	8.201279E+12	1.17661E+11	1.172184E+13	1387166	4448445	2819089	768501.7	5315126	0	0	1257.469
2004	2	1.190159E+07	1.154404E+11	8.272648E+12	1.536032E+11	1.175927E+13	1386884	4446752	2818669	765985.6	5313209	0	0	1257.79
2004	3	1.191103E+07	1.155286E+11	8.358648E+12	1.970457E+11	1.180556E+13	1386583	4444943	2818221	763298.4	5311161	0	0	1257.859
2004	4	1.203063E+07	1.162677E+11	8.457578E+12	2.46451E+11	1.185607E+13	1386294	4443211	2817793	760725.8	5309200	0	0	1258.745
2004	5	1.211548E+07	1.167875E+11	8.611382E+12	3.471382E+11	1.19366E+13	1385998	4441434	2817352	758086.4	5307188	0	0	1259.374
2004	6	1.218175E+07	1.171862E+11	8.76916E+12	4.262537E+11	1.200565E+13	1385714	4439726	2816929	755547.8	5305254	0	0	1259.865
2004	7	1.22453E+07	1.194578E+11	8.348256E+12	3.138646E+09	1.201683E+13	1385421	4437969	2816494	752938.5	5303265	0	0	1260.292
2004	8	1.22318E+07	1.193406E+11	8.355816E+12	7.383661E+09	1.202911E+13	1385128	4436211	2816059	750326.4	5301274	0	0	1260.205
2004	9	1.227386E+07	1.196018E+11	8.365893E+12	1.286699E+10	1.204238E+13	1384845	4434515	2815639	747807.1	5299355	0	0	1260.477
2004	10	1.226172E+07	1.195159E+11	8.379259E+12	2.001134E+10	1.205756E+13	1384553	4432761	2815205	745201.3	5297369	0	0	1260.398
2004	11	1.233051E+07	1.19954E+11	8.397756E+12	3.063891E+10	1.207597E+13	1384272	4431073	2814787	742693.6	5295457	0	0	1260.842
2005	0	1.239971E+07	1.203926E+11	8.462719E+12	8.782694E+10	1.212214E+13	1383982	4429338	2814357	740115.2	5293492	0	0	1261.288
2005	1	1.242587E+07	1.205786E+11	8.521944E+12	1.178795E+11	1.215354E+13	1383694	4427606	2813929	737542.4	5291532	0	0	1261.457
2005	2	1.246452E+07	1.208366E+11	8.593151E+12	1.538756E+11	1.218861E+13	1383434	4426047	2813543	735225.9	5289766	0	0	1261.707
2005	3	1.246977E+07	1.208927E+11	8.678977E+12	1.974167E+11	1.223228E+13	1383146	4424321	2813115	732662.3	5287813	0	0	1261.74
2005	4	1.258531E+07	1.216007E+11	8.777805E+12	2.469794E+11	1.228015E+13	1382871	4422667	2812706	730205.1	5285941	0	0	1262.486
2005	5	1.266672E+07	1.220942E+11	8.933772E+12	3.501466E+11	1.235899E+13	1382587	4420969	2812285	727681.4	5284017	0	0	1263.011
2005	6	1.272967E+07	1.224673E+11	9.093184E+12	4.302396E+11	1.242579E+13	1382315	4419334	2811881	725252	5282166	0	0	1263.417
2005	7	1.279044E+07	1.246763E+11	8.667782E+12	3.004212E+09	1.243554E+13	1382035	4417653	2811464	722754.4	5280262	0	0	1263.809

2005	8	1.277414E+07	1.245377E+11	8.674735E+12	7.068263E+09	1.244636E+13	1381754	4415970	2811047	720253.4	5278356	0	0	1263.704
2005	9	1.281351E+07	1.247782E+11	8.684107E+12	1.231808E+10	1.245814E+13	1381484	4414346	2810645	717841.2	5276517	0	0	1263.958
2005	10	1.279858E+07	1.24671E+11	8.696619E+12	1.915907E+10	1.247173E+13	1381204	4412666	2810229	715345.4	5274614	0	0	1263.862
2005	11	1.286467E+07	1.250883E+11	8.714053E+12	2.933447E+10	1.248844E+13	1380934	4411050	2809829	712943.6	5272784	0	0	1264.288
2006	0	1.293109E+07	1.255056E+11	8.73513E+12	4.043914E+10	1.250629E+13	1380658	4409389	2809418	710475.7	5270903	0	0	1264.717
2006	1	1.295446E+07	1.256701E+11	8.760871E+12	5.387353E+10	1.252648E+13	1380381	4407731	2809007	708012.9	5269026	0	0	1264.867
2006	2	1.299059E+07	1.259089E+11	8.836472E+12	1.178889E+11	1.257573E+13	1380132	4406238	2808637	705793.6	5267335	0	0	1265.101
2006	3	1.299244E+07	1.259389E+11	8.907897E+12	1.543782E+11	1.261311E+13	1379857	4404584	2808228	703336.9	5265462	0	0	1265.113
2006	4	1.310469E+07	1.266217E+11	8.992515E+12	1.969983E+11	1.265473E+13	1379593	4403000	2807836	700982.5	5263668	0	0	1265.837
2006	5	1.318331E+07	1.270938E+11	9.090921E+12	2.467347E+11	1.270061E+13	1379322	4401373	2807433	698566.3	5261827	0	0	1266.344
2006	6	1.324356E+07	1.274462E+11	9.20374E+12	3.036525E+11	1.275183E+13	1379061	4399808	2807045	696240.3	5260054	0	0	1266.733
2006	7	1.330173E+07	1.294353E+11	8.950538E+12	5.214316E+10	1.278801E+13	1378792	4398198	2806647	693847.3	5258230	0	0	1267.108
2006	8	1.328283E+07	1.292768E+11	8.991545E+12	7.33476E+10	1.28072E+13	1378524	4396586	2806248	691452.2	5256404	0	0	1266.986
2006	9	1.331969E+07	1.29498E+11	9.042782E+12	9.974407E+10	1.28296E+13	1378264	4395029	2805862	689140	5254642	0	0	1267.224
2006	10	1.330215E+07	1.293708E+11	9.104693E+12	1.313993E+11	1.285582E+13	1377996	4393419	2805464	686747.1	5252818	0	0	1267.111
2006	11	1.336573E+07	1.297688E+11	9.179079E+12	1.701244E+11	1.288725E+13	1377737	4391869	2805080	684444.4	5251063	0	0	1267.521
2007	0	1.342954E+07	1.301661E+11	9.264696E+12	2.136152E+11	1.292192E+13	1377472	4390277	2804686	682078.5	5249260	0	0	1267.932
2007	1	1.345031E+07	1.303108E+11	9.362536E+12	2.63214E+11	1.296101E+13	1377207	4388687	2804292	679716.9	5247460	0	0	1268.067
2007	2	1.348409E+07	1.305315E+11	9.472619E+12	3.188646E+11	1.300392E+13	1376969	4387256	2803938	677590.3	5245839	0	0	1268.284
2007	3	1.348278E+07	1.305371E+11	9.597139E+12	3.820385E+11	1.305441E+13	1376705	4385671	2803545	675235.6	5244045	0	0	1268.276
2007	4	1.359195E+07	1.311964E+11	9.73481E+12	4.513354E+11	1.310911E+13	1376451	4384152	2803169	672979.3	5242326	0	0	1268.98
2007	5	1.366798E+07	1.316485E+11	9.934146E+12	5.789047E+11	1.319659E+13	1376191	4382593	2802783	670661.9	5240560	0	0	1269.471
2007	6	1.372571E+07	1.319817E+11	1.013588E+13	6.803953E+11	1.32709E+13	1375941	4381091	2802411	668431.1	5238859	0	0	1269.843
2007	7	1.378144E+07	1.346076E+11	9.459395E+12	2.758503E+09	1.327807E+13	1375684	4379547	2802029	666137.9	5237112	0	0	1270.203
2007	8	1.37601E+07	1.344304E+11	9.465244E+12	6.4918E+09	1.328622E+13	1375426	4378001	2801646	663840.1	5235361	0	0	1270.065
2007	9	1.379459E+07	1.346335E+11	9.473337E+12	1.131479E+10	1.329532E+13	1375177	4376508	2801277	661623.6	5233672	0	0	1270.288
2007	10	1.377462E+07	1.344875E+11	9.484295E+12	1.760131E+10	1.330602E+13	1374920	4374964	2800894	659328.9	5231923	0	0	1270.159
2007	11	1.383584E+07	1.348675E+11	9.499796E+12	2.695156E+10	1.331965E+13	1374672	4373478	2800526	657120.7	5230240	0	0	1270.554
2008	0	1.389721E+07	1.35246E+11	9.518626E+12	3.715631E+10	1.333427E+13	1374418	4371951	2800148	654851.9	5228512	0	0	1270.95
2008	1	1.391554E+07	1.353719E+11	9.59111E+12	1.022653E+11	1.337996E+13	1374163	4370425	2799770	652585.1	5226784	0	0	1271.068
2008	2	1.394824E+07	1.35583E+11	9.655773E+12	1.353304E+11	1.340878E+13	1373926	4369002	2799418	650471.1	5225173	0	0	1271.279
2008	3	1.394395E+07	1.355659E+11	9.734979E+12	1.759795E+11	1.344457E+13	1373673	4367480	2799041	648210.3	5223450	0	0	1271.251
2008	4	1.405024E+07	1.36203E+11	9.827654E+12	2.229212E+11	1.348461E+13	1373430	4366022	2798680	646044.3	5221799	0	0	1271.937
2008	5	1.412383E+07	1.366364E+11	9.934425E+12	2.770669E+11	1.352919E+13	1373180	4364526	2798309	643821.7	5220105	0	0	1272.412
2008	6	1.41792E+07	1.369515E+11	1.005579E+13	3.384769E+11	1.357903E+13	1372940	4363086	2797953	641682.1	5218474	0	0	1272.769
2008	7	1.423263E+07	1.389209E+11	9.771247E+12	5.657281E+10	1.361434E+13	1372693	4361605	2797586	639480.6	5216796	0	0	1273.114
2008	8	1.4209E+07	1.387261E+11	9.814494E+12	7.910457E+10	1.363158E+13	1372446	4360121	2797218	637276	5215117	0	0	1272.961
2008	9	1.424126E+07	1.389122E+11	9.868534E+12	1.071038E+11	1.365212E+13	1372207	4358688	2796864	635147.2	5213494	0	0	1273.169
2008	10	1.421899E+07	1.387486E+11	9.933725E+12	1.406071E+11	1.367642E+13	1371960	4357204	2796496	632942.8	5211815	0	0	1273.026
2008	11	1.427799E+07	1.391115E+11	1.001176E+13	1.812915E+11	1.370586E+13	1371722	4355777	2796143	630821.6	5210198	0	0	1273.406
2009	0	1.433707E+07	1.394725E+11	1.010147E+13	2.270367E+11	1.373853E+13	1371477	4354310	2795780	628642.2	5208537	0	0	1273.787
2009	1	1.43531E+07	1.395808E+11	1.020377E+13	2.79079E+11	1.377556E+13	1371233	4352845	2795417	626466.3	5206879	0	0	1273.891
2009	2	1.43826E+07	1.397687E+11	1.031875E+13	3.373665E+11	1.381657E+13	1371013	4351526	2795090	624506.5	5205385	0	0	1274.081
2009	3	1.437551E+07	1.397301E+11	1.04482E+13	4.032565E+11	1.386431E+13	1370770	4350065	2794728	622335.3	5203731	0	0	1274.036
2009	4	1.44791E+07	1.403464E+11	1.059113E+13	4.754565E+11	1.391629E+13	1370536	4348665	2794382	620255.4	5202146	0	0	1274.704
2009	5	1.455039E+07	1.407622E+11	1.080044E+13	6.107116E+11	1.400287E+13	1370297	4347227	2794026	618119.2	5200518	0	0	1275.164

2009	6	1.460354E+07	1.410602E+11	1.101129E+13	7.169687E+11	1.40752E+13	1370066	4345843	2793683	616062.8	5198951	0	0	1275.507
2009	7	1.465482E+07	1.436473E+11	1.029741E+13	2.54282E+09	1.408011E+13	1369829	4344420	2793331	613948.8	5197340	0	0	1275.838
2009	8	1.462904E+07	1.434361E+11	1.030229E+13	5.985793E+09	1.408591E+13	1369591	4342994	2792978	612761.2	5195724	0	0	1275.671
2009	9	1.465923E+07	1.436062E+11	1.030811E+13	1.043414E+10	1.409264E+13	1369362	4341617	2792637	612761.2	5194166	0	0	1275.866
2009	10	1.463481E+07	1.434261E+11	1.031595E+13	1.623398E+10	1.41008E+13	1369124	4340192	2792284	612761.2	5192552	0	0	1275.708
2009	11	1.469173E+07	1.437731E+11	1.032719E+13	2.485998E+10	1.411171E+13	1368896	4338820	2791944	612761.2	5190998	0	0	1276.076
2010	0	1.474866E+07	1.441176E+11	1.034101E+13	3.427485E+10	1.412348E+13	1368661	4337410	2791595	612761.2	5189402	0	0	1276.443
2010	1	1.476254E+07	1.442094E+11	1.035821E+13	4.566702E+10	1.413723E+13	1368426	4336003	2791246	612761.2	5187809	0	0	1276.532
2010	2	1.47901E+07	1.443825E+11	1.037899E+13	5.898634E+10	1.415268E+13	1368215	4334735	2790932	612761.2	5186373	0	0	1276.71
2010	3	1.478039E+07	1.443237E+11	1.040449E+13	7.553781E+10	1.417211E+13	1367981	4333330	2790584	612761.2	5184782	0	0	1276.648
2010	4	1.488145E+07	1.449206E+11	1.048801E+13	1.520934E+11	1.422411E+13	1367756	4331983	2790251	612761.2	5183257	0	0	1277.3
2010	5	1.495059E+07	1.4532E+11	1.056324E+13	1.938501E+11	1.425862E+13	1367526	4330602	2789909	612761.2	5181692	0	0	1277.746
2010	6	1.500166E+07	1.456021E+11	1.065287E+13	2.430348E+11	1.429834E+13	1367304	4329271	2789579	612761.2	5180186	0	0	1278.075

Cumulative Flows and Concentrations Per Time Interval for Layer 1 : Pit Bottom

YEAR	Month	Vol (m^3/Lyr)	pH	Alk(mg/L)	Aci(mg/L)	SO4(mg/L)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2: NP rem.(kg)	3:S rem.(kg)	3:NP (kg)	Pump #2	Water Elevation (m)
1992	7	173290	6.681243	80.1778	0	677.6042	1447864	4812634	2909268	1309578	5727479	0	0	1123.868
1992	8	269514	7.938757	191.6752	0	758.3505	1447161	4808419	2908224	1303315	5722707	0	0	1126.016
1992	9	417774	8.202059	230.0486	0	709.4924	1446485	4804361	2907219	1297285	5718112	0	0	1129.325
1992	10	515362	8.519247	286.6113	0	806.17	1445788	4800181	2906184	1291075	5713378	0	0	1131.504
1992	11	690352	8.633482	310.2258	0	773.2797	1445118	4796161	2905188	1285101	5708826	0	0	1135.41
1993	0	869284	8.748399	335.9448	0	781.1637	1444430	4792031	2904166	1278967	5704151	0	0	1139.404
1993	1	1005176	8.950921	386.5694	0	819.9153	1443746	4787927	2903150	1272870	5699505	0	0	1141.978
1993	2	1142936	9.116162	433.4756	0	869.1302	1443133	4784245	2902238	1267399	5695335	0	0	1144.474
1993	3	1282014	9.291731	489.5656	0	938.7258	1442458	4780194	2901235	1261381	5690749	0	0	1146.993
1993	4	1527054	9.356945	512.2012	0	937.3198	1441812	4776321	2900276	1255626	5686363	0	0	1151.432
1993	5	1718200	9.479058	557.4379	0	973.4127	1441151	4772355	2899294	1249735	5681873	0	0	1154.895
1993	6	1887340	9.620617	614.9017	0	1017.066	1440517	4768550	2898352	1244081	5677565	0	0	1157.959
1993	7	2030849	9.529519	577.2782	0	979.5639	1439866	4764649	2897386	1238286	5673148	0	0	1160.447
1993	8	2097291	9.50875	569.0284	0	985.9686	1439220	4760769	2896425	1232521	5668755	0	0	1161.41
1993	9	2216730	9.466972	552.7881	0	972.308	1438600	4757050	2895504	1226996	5664544	0	0	1163.141
1993	10	2284537	9.477843	556.9686	0	980.0978	1437963	4753228	2894558	1221318	5660216	0	0	1164.124
1993	11	2430706	9.44796	545.5519	0	967.2806	1437354	4749573	2893653	1215888	5656078	0	0	1166.242
1994	0	2579857	9.438086	541.8311	0	960.2706	1436732	4745844	2892730	1210347	5651855	0	0	1168.404
1994	1	2685967	9.470281	554.0573	0	975.7436	1436116	4742147	2891814	1204854	5647669	0	0	1169.942
1994	2	2796827	9.514621	571.3481	0	993.4412	1435565	4738839	2890995	1199940	5643924	0	0	1171.548
1994	3	2899587	9.58088	598.1979	0	1025.593	1434959	4735209	2890096	1194546	5639813	0	0	1173.037
1994	4	3109479	9.608736	609.8589	0	1025.549	1434384	4731759	2889242	1189420	5635908	0	0	1176.079
1994	5	3270844	9.671164	636.8252	0	1045.95	1433799	4728244	2888372	1184198	5631928	0	0	1178.418
1994	6	3411163	9.752708	673.8532	0	1078.431	1433239	4724883	2887540	1179205	5628123	0	0	1180.371
1994	7	3537088	9.706229	652.4917	0	1057.451	1432665	4721442	2886688	1174093	5624227	0	0	1181.87
1994	8	3585947	9.699152	649.2991	0	1057.465	1432094	4718014	2885839	1169000	5620346	0	0	1182.452
1994	9	3688370	9.672702	637.5044	0	1047.899	1431546	4714721	2885023	1164109	5616618	0	0	1183.671
1994	10	3738593	9.675835	638.8906	0	1051.682	1430981	4711332	2884184	1159074	5612782	0	0	1184.269
1994	11	3867745	9.652077	628.4562	0	1040.877	1430439	4708084	2883380	1154249	5609104	0	0	1185.807

1995	0	3999312	9.638494	622.5681	0	1033.298	1429886	4704762	2882557	1149312	5605342	0	0	1187.373
1995	1	4087839	9.651625	628.2597	0	1036.23	1429336	4701462	2881740	1144410	5601606	0	0	1188.427
1995	2	4182817	9.667073	635.0223	0	1043.608	1428843	4698504	2881007	1140014	5598256	0	0	1189.557
1995	3	4264133	9.699505	649.4579	0	1057.027	1428300	4695249	2880201	1135179	5594571	0	0	1190.525
1995	4	4453274	9.701423	650.3218	0	1050.701	1427783	4692147	2879433	1130569	5591058	0	0	1192.777
1995	5	4597055	9.727524	662.1929	0	1058.265	1427255	4688977	2878648	1125860	5587469	0	0	1194.489
1995	6	4720358	9.769307	681.6501	0	1074.481	1426749	4685940	2877896	1121349	5584031	0	0	1195.957
1995	7	4834055	9.73832	667.1667	0	1060.816	1426231	4682831	2877126	1116729	5580511	0	0	1197.31
1995	8	4870686	9.736066	666.1252	0	1062.185	1425714	4679731	2876358	1112124	5577001	0	0	1197.746
1995	9	4961275	9.719815	658.6644	0	1052.504	1425218	4676754	2875622	1107701	5573630	0	0	1198.825
1995	10	4999270	9.720529	658.9903	0	1059.126	1424706	4673686	2874862	1103144	5570158	0	0	1199.277
1995	11	5116589	9.705084	651.9738	0	1047.951	1424216	4670745	2874134	1098775	5566828	0	0	1200.563
1996	0	5235928	9.692752	646.4252	0	1041.713	1423714	4667732	2873387	1094297	5563416	0	0	1201.75
1996	1	5312227	9.700214	649.7774	0	1043.119	1423214	4664734	2872645	1089845	5560023	0	0	1202.51
1996	2	5399158	9.707944	653.2675	0	1047.355	1422750	4661948	2871955	1085704	5556868	0	0	1203.375
1996	3	5465562	9.730269	663.4543	0	1056.766	1422256	4658983	2871221	1081300	5553511	0	0	1204.035
1996	4	5640272	9.728315	662.5565	0	1050.626	1421784	4656151	2870519	1077091	5550303	0	0	1205.774
1996	5	5771825	9.745042	670.2822	0	1055.019	1421301	4653251	2869801	1072783	5547021	0	0	1207.083
1996	6	5883294	9.775286	684.4805	0	1062.812	1420837	4650469	2869112	1068649	5543870	0	0	1208.192
1996	7	5987392	9.752141	673.588	0	1053.014	1420361	4647615	2868405	1064410	5540640	0	0	1209.228
1996	8	6014423	9.752319	673.6713	0	1055.055	1419887	4644767	2867700	1060180	5537416	0	0	1209.497
1996	9	6095723	9.741007	668.4102	0	1048.11	1419430	4642029	2867022	1056111	5534315	0	0	1210.306
1996	10	6124118	9.744013	669.8042	0	1051.177	1418960	4639205	2866323	1051916	5531118	0	0	1210.588
1996	11	6232148	9.729421	663.0644	0	1045.021	1418508	4636495	2865652	1047889	5528049	0	0	1211.663
1997	0	6341887	9.721013	659.2119	0	1037.344	1418045	4633717	2864964	1043763	5524905	0	0	1212.755
1997	1	6408586	9.72466	660.8801	0	1041.136	1417585	4630954	2864280	1039658	5521776	0	0	1213.419
1997	2	6483850	9.732718	664.5818	0	1042.1	1417171	4628473	2863666	1035972	5518967	0	0	1214.168
1997	3	6538547	9.749435	672.3259	0	1049.317	1416715	4625738	2862989	1031908	5515870	0	0	1214.712
1997	4	6701927	9.745245	670.3765	0	1043.5	1416280	4623124	2862342	1028026	5512912	0	0	1216.338
1997	5	6823881	9.756271	675.5194	0	1046.135	1415834	4620450	2861680	1024053	5509883	0	0	1217.551
1997	6	6926060	9.778786	686.1429	0	1051.346	1415406	4617883	2861044	1020239	5506977	0	0	1218.568
1997	7	7022017	9.760385	677.4476	0	1043.896	1414968	4615251	2860393	1016329	5503997	0	0	1219.523
1997	8	7040908	9.762039	678.2247	0	1046.309	1414530	4612623	2859742	1012424	5501021	0	0	1219.711
1997	9	7114330	9.753795	674.3608	0	1041.055	1414108	4610094	2859115	1008666	5498157	0	0	1220.365
1997	10	7134585	9.757813	676.2414	0	1044.306	1413673	4607484	2858469	1004789	5495202	0	0	1220.532
1997	11	7234736	9.746575	670.9949	0	1039.726	1413255	4604974	2857848	1001061	5492361	0	0	1221.356
1998	0	7336335	9.7408	668.3142	0	1033.722	1412826	4602400	2857210	997235.8	5489446	0	0	1222.192
1998	1	7394894	9.745907	670.684	0	1034.796	1412399	4599836	2856576	993426.4	5486543	0	0	1222.674
1998	2	7462805	9.750815	672.9696	0	1038.02	1412014	4597531	2856005	990001.1	5483933	0	0	1223.233
1998	3	7507574	9.766623	680.3828	0	1044.749	1411590	4594987	2855375	986220.8	5481051	0	0	1223.601
1998	4	7661348	9.764667	679.4614	0	1037.441	1411184	4592551	2854772	982602.3	5478293	0	0	1224.867
1998	5	7775161	9.772544	683.1813	0	1039.242	1410768	4590054	2854154	978892.3	5475466	0	0	1225.804
1998	6	7869462	9.790289	691.6351	0	1043.005	1410368	4587653	2853559	975326.4	5472749	0	0	1226.58
1998	7	7959133	9.774942	684.3176	0	1037.05	1409957	4585189	2852949	971664.4	5469958	0	0	1227.318
1998	8	7971738	9.777452	685.5084	0	1039.633	1409547	4582726	2852339	968005.8	5467170	0	0	1227.422
1998	9	8039076	9.771173	682.5322	0	1035.457	1409151	4580355	2851752	964482.7	5464485	0	0	1227.976

1998	10	8053045	9.775754	684.7023	0	1038.764	1408743	4577908	2851146	960845.9	5461713	0	0	1228.091
1998	11	8147113	9.767252	680.6796	0	1032.54	1408351	4575555	2850564	957350.8	5459049	0	0	1228.865
1999	0	8242426	9.759822	677.1837	0	1029.409	1407949	4573141	2849965	953763.4	5456316	0	0	1229.65
1999	1	8294699	9.764867	679.5554	0	1030.573	1407548	4570736	2849370	950189.9	5453593	0	0	1230.08
1999	2	8356932	9.770155	682.051	0	1031.063	1407187	4568574	2848835	946977.5	5451144	0	0	1230.592
1999	3	8394035	9.782318	687.8246	0	1036.456	1406790	4566186	2848244	943430.8	5448441	0	0	1230.897
1999	4	8540390	9.777532	685.5464	0	1031.776	1406409	4563901	2847678	940035.1	5445853	0	0	1232.102
1999	5	8647917	9.7847	688.9614	0	1030.736	1406018	4561559	2847098	936555.1	5443201	0	0	1232.987
1999	6	8736135	9.797277	694.9929	0	1035.628	1405643	4559306	2846540	933209.1	5440651	0	0	1233.713
1999	7	8820209	9.784646	688.9351	0	1028.213	1405257	4556994	2845967	929773.9	5438033	0	0	1234.405
1999	8	8827217	9.78503	689.119	0	1030.016	1404872	4554684	2845395	926340.6	5435417	0	0	1234.463
1999	9	8889139	9.776856	685.2261	0	1025.561	1404501	4552458	2844844	923034.1	5432897	0	0	1234.972
1999	10	8897511	9.777417	685.4925	0	1030.156	1404118	4550158	2844275	919618.4	5430294	0	0	1235.041
1999	11	8986163	9.768823	681.4214	0	1024.317	1403750	4547949	2843727	916335.8	5427793	0	0	1235.771
2000	0	9075879	9.761687	678.0594	0	1018.868	1403372	4545682	2843166	912967.9	5425226	0	0	1236.509
2000	1	9122555	9.762807	678.5861	0	1018.849	1402996	4543424	2842607	909612.4	5422669	0	0	1236.893
2000	2	9181775	9.762778	678.5721	0	1020.345	1402645	4541321	2842086	906487.1	5420287	0	0	1237.381
2000	3	9212054	9.772346	683.087	0	1024.712	1402271	4539077	2841531	903154.3	5417747	0	0	1237.63
2000	4	9351804	9.767003	680.5624	0	1017.654	1401913	4536931	2840999	899965.3	5415316	0	0	1238.78
2000	5	9453734	9.769033	681.5204	0	1017.802	1401547	4534730	2840454	896696	5412825	0	0	1239.619
2000	6	9536536	9.779318	686.3962	0	1019.224	1401194	4532614	2839930	893552.7	5410430	0	0	1240.271
2000	7	9615466	9.768374	681.2092	0	1012.838	1400832	4530440	2839392	890323.7	5407969	0	0	1240.855
2000	8	9617330	9.769341	681.6662	0	1014.764	1400470	4528267	2838854	887095.1	5405508	0	0	1240.869
2000	9	9674273	9.7619	678.1597	0	1013.411	1400120	4526172	2838335	883982.7	5403136	0	0	1241.291
2000	10	9677501	9.766211	680.1888	0	1016.396	1399760	4524007	2837799	880767.3	5400686	0	0	1241.315
2000	11	9761174	9.75961	677.0841	0	1011.555	1399413	4521926	2837284	877675.1	5398329	0	0	1241.935
2001	0	9845746	9.754344	674.6172	0	1007.06	1399057	4519789	2836755	874500.3	5395910	0	0	1242.561
2001	1	9887277	9.756671	675.7061	0	1007.494	1398702	4517659	2836228	871335.4	5393498	0	0	1242.869
2001	2	9939808	9.75809	676.3714	0	1009.511	1398382	4515742	2835753	868487.2	5391328	0	0	1243.258
2001	3	9963813	9.768492	681.2652	0	1014.022	1398029	4513623	2835229	865339.5	5388929	0	0	1243.436
2001	4	1.009749E+07	9.765079	679.655	0	1008.052	1397691	4511594	2834726	862324.6	5386631	0	0	1244.426
2001	5	1.019428E+07	9.768336	681.1919	0	1008.709	1397344	4509512	2834210	859231.2	5384273	0	0	1245.143
2001	6	1.02721E+07	9.779427	686.4478	0	1010.45	1397010	4507509	2833714	856255.8	5382005	0	0	1245.719
2001	7	1.034676E+07	9.769739	681.8544	0	1004.788	1396668	4505452	2833205	853199.2	5379675	0	0	1246.272
2001	8	1.034434E+07	9.7711	682.4979	0	1006.777	1396324	4503395	2832695	850142	5377345	0	0	1246.254
2001	9	1.039715E+07	9.765076	679.654	0	1003.507	1395994	4501411	2832205	847195.8	5375100	0	0	1246.646
2001	10	1.03961E+07	9.766938	680.5317	0	1005.68	1395652	4499362	2831697	844151.1	5372779	0	0	1246.638
2001	11	1.047564E+07	9.757538	676.112	0	1002.754	1395324	4497391	2831209	841221.8	5370547	0	0	1247.227
2002	0	1.055594E+07	9.752045	673.5435	0	998.4634	1394987	4495367	2830708	838214.4	5368255	0	0	1247.822
2002	1	1.059319E+07	9.753652	674.2937	0	998.7238	1394650	4493348	2830208	835215.9	5365970	0	0	1248.098
2002	2	1.064186E+07	9.754859	674.858	0	998.229	1394348	4491533	2829759	832518.3	5363915	0	0	1248.458
2002	3	1.066065E+07	9.761581	678.0101	0	1001.538	1394013	4489525	2829262	829536.1	5361642	0	0	1248.597
2002	4	1.078929E+07	9.75436	674.6249	0	997.2662	1393692	4487602	2828786	826678.8	5359465	0	0	1249.55
2002	5	1.08818E+07	9.756506	675.6291	0	995.261	1393364	4485630	2828297	823748.6	5357231	0	0	1250.236
2002	6	1.095548E+07	9.76308	678.7142	0	995.6826	1393048	4483733	2827827	820930.1	5355083	0	0	1250.781
2002	7	1.102617E+07	9.753918	674.4182	0	992.881	1392723	4481784	2827345	818033.4	5352875	0	0	1251.305

2002	8	1.101978E+07	9.758329	676.4835	0	995.6993	1392398	4479833	2826861	815135.1	5350667	0	0	1251.258
2002	9	1.106875E+07	9.756374	675.5674	0	993.7933	1392084	4477953	2826396	812341.9	5348538	0	0	1251.62
2002	10	1.106373E+07	9.762411	678.3997	0	997.118	1391760	4476009	2825915	809454.1	5346337	0	0	1251.583
2002	11	1.113942E+07	9.75888	676.7415	0	993.684	1391449	4474141	2825452	806677.3	5344221	0	0	1252.144
2003	0	1.121575E+07	9.756509	675.6301	0	990.5407	1391129	4472222	2824977	803826.4	5342049	0	0	1252.709
2003	1	1.124903E+07	9.760779	677.6332	0	991.6292	1390810	4470308	2824503	800983.6	5339882	0	0	1252.956
2003	2	1.129411E+07	9.764094	679.1917	0	994.2049	1390523	4468586	2824076	798424.3	5337932	0	0	1253.29
2003	3	1.130806E+07	9.775902	684.7727	0	998.9401	1390206	4466681	2823604	795594.2	5335775	0	0	1253.393
2003	4	1.143201E+07	9.7755	684.5823	0	994.5458	1389902	4464857	2823153	792884.4	5333709	0	0	1254.311
2003	5	1.152055E+07	9.78127	687.3253	0	993.7837	1389590	4462987	2822690	790105.8	5331592	0	0	1254.967
2003	6	1.159039E+07	9.790623	691.7953	0	997.4673	1389290	4461187	2822244	787431.6	5329554	0	0	1255.484
2003	7	1.165738E+07	9.782789	688.0494	0	992.8449	1388982	4459338	2821786	784684.6	5327460	0	0	1255.981
2003	8	1.164731E+07	9.784727	688.9741	0	994.9141	1388673	4457487	2821328	781935.1	5325365	0	0	1255.906
2003	9	1.16927E+07	9.780046	686.742	0	992.3425	1388376	4455703	2820886	779284.8	5323345	0	0	1256.242
2003	10	1.168399E+07	9.78236	687.8444	0	994.5498	1388069	4453858	2820429	776544.3	5321256	0	0	1256.178
2003	11	1.175612E+07	9.775027	684.3579	0	990.1922	1387773	4452085	2819990	773908.9	5319247	0	0	1256.712
2004	0	1.182875E+07	9.767724	680.9025	0	988.135	1387469	4450262	2819539	771201.8	5317183	0	0	1257.25
2004	1	1.185835E+07	9.769375	681.6818	0	988.4887	1387166	4448445	2819089	768501.7	5315126	0	0	1257.469
2004	2	1.190159E+07	9.770432	682.1817	0	988.0422	1386884	4446752	2818669	765985.6	5313209	0	0	1257.79
2004	3	1.191103E+07	9.776831	685.2135	0	991.1451	1386583	4444943	2818221	763298.4	5311161	0	0	1257.859
2004	4	1.203063E+07	9.771145	682.5187	0	985.4907	1386294	4443211	2817793	760725.8	5309200	0	0	1258.745
2004	5	1.211548E+07	9.770308	682.1229	0	985.2357	1385998	4441434	2817352	758086.4	5307188	0	0	1259.374
2004	6	1.218175E+07	9.776106	684.8694	0	985.5439	1385714	4439726	2816929	755547.8	5305254	0	0	1259.865
2004	7	1.22453E+07	9.76898	681.4954	0	981.3416	1385421	4437969	2816494	752938.5	5303265	0	0	1260.292
2004	8	1.22318E+07	9.771146	682.519	0	983.4298	1385128	4436211	2816059	750326.4	5301274	0	0	1260.205
2004	9	1.227386E+07	9.766986	680.5541	0	981.14	1384845	4434515	2815639	747807.1	5299355	0	0	1260.477
2004	10	1.226172E+07	9.769488	681.7356	0	983.3503	1384553	4432761	2815205	745201.3	5297369	0	0	1260.398
2004	11	1.233051E+07	9.762774	678.5701	0	979.3567	1384272	4431073	2814787	742693.6	5295457	0	0	1260.842
2005	0	1.239971E+07	9.756039	675.4102	0	977.6149	1383982	4429338	2814357	740115.2	5293492	0	0	1261.288
2005	1	1.242587E+07	9.758015	676.3362	0	978.0837	1383694	4427606	2813929	737542.4	5291532	0	0	1261.457
2005	2	1.246452E+07	9.759567	677.064	0	977.8647	1383434	4426047	2813543	735225.9	5289766	0	0	1261.707
2005	3	1.246977E+07	9.766171	680.1697	0	980.9542	1383146	4424321	2813115	732662.3	5287813	0	0	1261.74
2005	4	1.258531E+07	9.76122	677.84	0	975.7529	1382871	4422667	2812706	730205.1	5285941	0	0	1262.486
2005	5	1.266672E+07	9.760819	677.6517	0	975.7059	1382587	4420969	2812285	727681.4	5284017	0	0	1263.011
2005	6	1.272967E+07	9.766939	680.5319	0	976.1283	1382315	4419334	2811881	725252	5282166	0	0	1263.417
2005	7	1.279044E+07	9.760372	677.442	0	972.2532	1382035	4417653	2811464	722754.4	5280262	0	0	1263.809
2005	8	1.277414E+07	9.762693	678.5323	0	974.3403	1381754	4415970	2811047	720253.4	5278356	0	0	1263.704
2005	9	1.281351E+07	9.758939	676.7692	0	972.2661	1381484	4414346	2810645	717841.2	5276517	0	0	1263.958
2005	10	1.279858E+07	9.761565	678.0021	0	974.4626	1381204	4412666	2810229	715345.4	5274614	0	0	1263.862
2005	11	1.286467E+07	9.755339	675.0828	0	970.7545	1380934	4411050	2809829	712943.6	5272784	0	0	1264.288
2006	0	1.293109E+07	9.749566	672.3868	0	967.1497	1380658	4409389	2809418	710475.7	5270903	0	0	1264.717
2006	1	1.295446E+07	9.749002	672.1238	0	966.9632	1380381	4407731	2809007	708012.9	5269026	0	0	1264.867
2006	2	1.299059E+07	9.746902	671.1462	0	968.0646	1380132	4406238	2808637	705793.6	5267335	0	0	1265.101
2006	3	1.299244E+07	9.752465	673.7393	0	970.8039	1379857	4404584	2808228	703336.9	5265462	0	0	1265.113
2006	4	1.310469E+07	9.746959	671.1733	0	965.6644	1379593	4403000	2807836	700982.5	5263668	0	0	1265.837
2006	5	1.318331E+07	9.74629	670.8621	0	963.3856	1379322	4401373	2807433	698566.3	5261827	0	0	1266.344

2006	6	1.324356E+07	9.748802	672.0312	0	962.8699	1379061	4399808	2807045	696240.3	5260054	0	0	1266.733
2006	7	1.330173E+07	9.742205	668.9651	0	961.3794	1378792	4398198	2806647	693847.3	5258230	0	0	1267.108
2006	8	1.328283E+07	9.747463	671.4078	0	964.1921	1378524	4396586	2806248	691452.2	5256404	0	0	1266.986
2006	9	1.331969E+07	9.747478	671.4152	0	963.2056	1378264	4395029	2805862	689140	5254642	0	0	1267.224
2006	10	1.330215E+07	9.754252	674.5746	0	966.447	1377996	4393419	2805464	686747.1	5252818	0	0	1267.111
2006	11	1.336573E+07	9.753096	674.0338	0	964.2006	1377737	4391869	2805080	684444.4	5251063	0	0	1267.521
2007	0	1.342954E+07	9.752954	673.9679	0	962.2012	1377472	4390277	2804686	682078.5	5249260	0	0	1267.932
2007	1	1.345031E+07	9.758394	676.5138	0	963.6214	1377207	4388687	2804292	679716.9	5247460	0	0	1268.067
2007	2	1.348409E+07	9.763381	678.8558	0	964.3895	1376969	4387256	2803938	677590.3	5245839	0	0	1268.284
2007	3	1.348278E+07	9.773158	683.472	0	968.2283	1376705	4385671	2803545	675235.6	5244045	0	0	1268.276
2007	4	1.359195E+07	9.772188	683.0125	0	964.4755	1376451	4384152	2803169	672979.3	5242326	0	0	1268.98
2007	5	1.366798E+07	9.775251	684.4642	0	965.5113	1376191	4382593	2802783	670661.9	5240560	0	0	1269.471
2007	6	1.372571E+07	9.784549	688.8888	0	966.8644	1375941	4381091	2802411	668431.1	5238859	0	0	1269.843
2007	7	1.378144E+07	9.778878	686.1865	0	963.4752	1375684	4379547	2802029	666137.9	5237112	0	0	1270.203
2007	8	1.37601E+07	9.781436	687.4043	0	965.5616	1375426	4378001	2801646	663840.1	5235361	0	0	1270.065
2007	9	1.379459E+07	9.778322	685.9227	0	963.8068	1375177	4376508	2801277	661623.6	5233672	0	0	1270.288
2007	10	1.377462E+07	9.781126	687.2565	0	965.9814	1374920	4374964	2800894	659328.9	5231923	0	0	1270.159
2007	11	1.383584E+07	9.775664	684.66	0	962.6918	1374672	4373478	2800526	657120.7	5230240	0	0	1270.554
2008	0	1.389721E+07	9.770592	682.2573	0	959.4927	1374418	4371951	2800148	654851.9	5228512	0	0	1270.95
2008	1	1.391554E+07	9.769813	681.8886	0	961.5121	1374163	4370425	2799770	652585.1	5226784	0	0	1271.068
2008	2	1.394824E+07	9.771222	682.5553	0	961.324	1373926	4369002	2799418	650471.1	5225173	0	0	1271.279
2008	3	1.394395E+07	9.777497	685.5304	0	964.1866	1373673	4367480	2799041	648210.3	5223450	0	0	1271.251
2008	4	1.405024E+07	9.773427	683.599	0	959.742	1373430	4366022	2798680	646044.3	5221799	0	0	1271.937
2008	5	1.412383E+07	9.773773	683.7635	0	957.8984	1373180	4364526	2798309	643821.7	5220105	0	0	1272.412
2008	6	1.41792E+07	9.777058	685.3217	0	957.6727	1372940	4363086	2797953	641682.1	5218474	0	0	1272.769
2008	7	1.423263E+07	9.77124	682.5636	0	956.5585	1372693	4361605	2797586	639480.6	5216796	0	0	1273.114
2008	8	1.4209E+07	9.776711	685.1568	0	959.3627	1372446	4360121	2797218	637276	5215117	0	0	1272.961
2008	9	1.424126E+07	9.777292	685.4328	0	958.631	1372207	4358688	2796864	635147.2	5213494	0	0	1273.169
2008	10	1.421899E+07	9.784226	688.7349	0	961.8417	1371960	4357204	2796496	632942.8	5211815	0	0	1273.026
2008	11	1.427799E+07	9.783745	688.5049	0	959.9292	1371722	4355777	2796143	630821.6	5210198	0	0	1273.406
2009	0	1.433707E+07	9.784225	688.7344	0	958.2527	1371477	4354310	2795780	628642.2	5208537	0	0	1273.787
2009	1	1.43531E+07	9.789939	691.467	0	959.7621	1371233	4352845	2795417	626466.3	5206879	0	0	1273.891
2009	2	1.43826E+07	9.795194	693.99	0	960.645	1371013	4351526	2795090	624506.5	5205385	0	0	1274.081
2009	3	1.437551E+07	9.805063	698.7538	0	964.4395	1370770	4350065	2794728	622335.3	5203731	0	0	1274.036
2009	4	1.44791E+07	9.804828	698.6393	0	961.1294	1370536	4348665	2794382	620255.4	5202146	0	0	1274.704
2009	5	1.455039E+07	9.808266	700.3062	0	962.3707	1370297	4347227	2794026	618119.2	5200518	0	0	1275.164
2009	6	1.460354E+07	9.81774	704.9199	0	963.8217	1370066	4345843	2793683	616062.8	5198951	0	0	1275.507
2009	7	1.465482E+07	9.812757	702.4901	0	960.7833	1369829	4344420	2793331	613948.8	5197340	0	0	1275.838
2009	8	1.462904E+07	9.815501	703.8265	0	962.873	1369591	4342994	2792978	612761.2	5195724	0	0	1275.671
2009	9	1.465923E+07	9.812717	702.4705	0	961.3492	1369362	4341617	2792637	612761.2	5194166	0	0	1275.866
2009	10	1.463481E+07	9.815409	703.7818	0	963.5107	1369124	4340192	2792284	612761.2	5192552	0	0	1275.708
2009	11	1.469173E+07	9.810175	701.2334	0	960.5203	1368896	4338820	2791944	612761.2	5190998	0	0	1276.076
2010	0	1.474866E+07	9.805212	698.8257	0	957.6111	1368661	4337410	2791595	612761.2	5189402	0	0	1276.443
2010	1	1.476254E+07	9.804667	698.5616	0	957.6419	1368426	4336003	2791246	612761.2	5187809	0	0	1276.532
2010	2	1.47901E+07	9.80302	697.7643	0	956.9019	1368215	4334735	2790932	612761.2	5186373	0	0	1276.71
2010	3	1.478039E+07	9.805217	698.8277	0	958.8449	1367981	4333330	2790584	612761.2	5184782	0	0	1276.648

2010	4	1.488145E+07	9.796358	694.5504	0	955.8283	1367756	4331983	2790251	612761.2	5183257	0	0	1277.3
2010	5	1.495059E+07	9.794335	693.5773	0	953.7161	1367526	4330602	2789909	612761.2	5181692	0	0	1277.746
2010	6	1.500166E+07	9.795033	693.9125	0	953.1171	1367304	4329271	2789579	612761.2	5180186	0	0	1278.075

APPENDIX D.

MINEWALL Report Containing Input and Output Data for Bell Mine Pit (2 simulations)

pH-Neutral Pumpage Into Pit

*** MINEWALL 2.0 REPORT ***

BELL MINE PIT

Printed on 04-09-1995 at 14:10:21

** INPUT DATA **

OPERATION:
Simulations were performed on a Monthly Basis:
Starting Month/Year is 1/ 1985
Ending Month/Year is 4/ 1992
CLOSURE:
Simulations were performed on a Monthly Basis:
Starting Month/Year is 5/ 1992
Ending Month/Year is 1/ 2052

Geochemical Parameters in this simulation were:

pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)

Geochemical/Rock Units and their physicochemical characteristics were:

Unit Name	BFP	BBFP	QFP	TUFF	SEDS
Unit #	1	2	3	4	5
Rate - Control	1: TIME^[F]	1: TIME^[F]	1: TIME^[F]	1: TIME^[F]	1: TIME^[F]
- max 'd', m	.01	.01	.01	.01	.01
Years Exposed	6	6	17	10	12
Wall Area, m^2	141000	84500	56300	169000	113000
- %Area Sloping	50	50	50	50	50
- Slope Angle	40	40	40	40	40
Ratio Total/Wall	28	28	28	28	28
- %Flushed Reg	18	18	18	18	18
- %Flushed Per	2	2	2	2	2
- %Not Flushed	80	80	80	80	80
Reactive %S	2	2	2	2	2
React ppt CaCO3	40	40	40	40	40
Spec. Grav.	2.8	2.8	2.8	2.8	2.8
React Cu (ppm)	1900	1900	174	700	737

For each Geochemical Unit, the FACTOR in the rate-control equation was:

Unit	1	2	3	4	5
Factor	-.1	-.1	-.1	-.1	-.1

Periodic, non-regular fracture flushing over an annual period was:

Time	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	1	1	1	1	1
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	1	1	1	1	1
12	0	0	0	0	0

The following rates are decreased to 0 % when the Units are submerged

For each Geochemical Unit, the following rate information was used:
UNIT # 1
Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
1	0	21.7	21.7	69.4	7.1	.00213
2	0	21.7	21.7	69.4	7.1	.00213
3	0	21.7	21.7	69.4	7.1	.00213
4	0	21.7	21.7	69.4	7.1	.00213
5	0	21.7	21.7	69.4	7.1	.00213
6	0	21.7	21.7	69.4	7.1	.00213
7	0	21.7	21.7	69.4	7.1	.00213
8	0	21.7	21.7	69.4	7.1	.00213
9	0	21.7	21.7	69.4	7.1	.00213
10	0	21.7	21.7	69.4	7.1	.00213
11	0	21.7	21.7	69.4	7.1	.00213
12	0	21.7	21.7	69.4	7.1	.00213

Adjusted Fresh Rates (at time of initial exposure):
* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03

UNIT # 2
Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
1	0	47.7	47.7	115	7.3	.00349
2	0	47.7	47.7	115	7.3	.00349
3	0	47.7	47.7	115	7.3	.00349
4	0	47.7	47.7	115	7.3	.00349
5	0	47.7	47.7	115	7.3	.00349
6	0	47.7	47.7	115	7.3	.00349
7	0	47.7	47.7	115	7.3	.00349
8	0	47.7	47.7	115	7.3	.00349
9	0	47.7	47.7	115	7.3	.00349
10	0	47.7	47.7	115	7.3	.00349
11	0	47.7	47.7	115	7.3	.00349
12	0	47.7	47.7	115	7.3	.00349

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03

UNIT # 3

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
1	0	28.6	28.6	57.9	7.2	.00604
2	0	28.6	28.6	57.9	7.2	.00604
3	0	28.6	28.6	57.9	7.2	.00604
4	0	28.6	28.6	57.9	7.2	.00604
5	0	28.6	28.6	57.9	7.2	.00604
6	0	28.6	28.6	57.9	7.2	.00604
7	0	28.6	28.6	57.9	7.2	.00604
8	0	28.6	28.6	57.9	7.2	.00604
9	0	28.6	28.6	57.9	7.2	.00604
10	0	28.6	28.6	57.9	7.2	.00604
11	0	28.6	28.6	57.9	7.2	.00604
12	0	28.6	28.6	57.9	7.2	.00604

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02

UNIT # 4

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
1	0	286	286	253	6.4	.044
2	0	286	286	253	6.4	.044
3	0	286	286	253	6.4	.044
4	0	286	286	253	6.4	.044
5	0	286	286	253	6.4	.044
6	0	286	286	253	6.4	.044
7	0	286	286	253	6.4	.044
8	0	286	286	253	6.4	.044
9	0	286	286	253	6.4	.044
10	0	286	286	253	6.4	.044
11	0	286	286	253	6.4	.044
12	0	286	286	253	6.4	.044

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268

UNIT # 5

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
1	0	27.9	27.9	45.2	7	.126
2	0	27.9	27.9	45.2	7	.126
3	0	27.9	27.9	45.2	7	.126
4	0	27.9	27.9	45.2	7	.126
5	0	27.9	27.9	45.2	7	.126
6	0	27.9	27.9	45.2	7	.126

7	0	27.9	27.9	45.2	7	.126
8	0	27.9	27.9	45.2	7	.126
9	0	27.9	27.9	45.2	7	.126
10	0	27.9	27.9	45.2	7	.126
11	0	27.9	27.9	45.2	7	.126
12	0	27.9	27.9	45.2	7	.126

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191

Rate Acceleration Factor for each Unit when NP was depleted was:

Unit # 1	2.36
Unit # 2	2.36
Unit # 3	2.36
Unit # 4	2.36
Unit # 5	2.36

Mine dimensions and distribution of Geochemical Units in the mine were:

* PIT DIM'S

Important Pts.	Elev. (masl)	Cum.Vol.(m^3)	Area (m^2)	Unit# 1 (Cum.%)	Unit# 2 (Cum.%)	Unit# 3 (Cum.%)	Unit# 4 (Cum.%)	Unit# 5 (Cum.%)
Drain Level	790	5.17E+07	1000000	100	100	100	100	100
753	5.17E+07	563000	98	100	90	90	80	
Equil. Level	750	5E+07	533000	98	100	90	90	80
700	3.07E+07	275000	90	100	50	65	60	
650	1.7E+07	205000	80	95	30	20	25	
600	7700000	145000	60	50	10	10	15	
550	2300000	66000	40	2	0	0	10	
500	700000	20700	30	0	0	0	7	
Bottom of Mine	475	0	12800	20	0	0	0	3

Characteristics of the Layers during Operation (Mine Bottom) and During Closure (others), if selected, were:

LAYER NUMBER:	0	1
LAYER NAME:	Mine Bottom	Flooding Pit
FLOWS:...	0	
-Precip (%)	100	100
-Evap (%)	100	100
-Runoff (%)	100	100
-Sat Flow (%)	100	100
-Pump#1 (%)	100	100
-Pump#2 (%)	100	100

CHEM:...
- -Mass Balance
- -Set Value
- -Equilibrium
- -Kinetic
- -Empirical

The geochemical controls for each Parameter in each layer were:

LAYER NUMBER:	0	1
pH	L= 1Ac+ 1	L= 1Ac+ 1
Alk (mg/L)	L= .698pH+-3.14	L= .698pH+-3.14
Acid (mg/L)	L=-.36pH+ 3.86	L=-.36pH+ 3.86
SO4 (mg/L)	Mass balance	Mass balance
Cu (mg/L)	L=-1.00pH+ 6.30	L=-1.00pH+ 6.30

The information used for each of the flows was:

* PIT PRECIP

* OPERATION

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	.0000774	5	0	0	0	0
2	.0000607	5	0	0	0	0
3	.0001322	5	0	0	0	0
4	.00043	5	0	0	0	0
5	.001293	5	0	0	0	0
6	.00164	5	0	0	0	0
7	.00153	5	0	0	0	0
8	.00121	5	0	0	0	0
9	.00126	5	0	0	0	0
10	.00114	5	0	0	0	0
11	.000377	5	0	0	0	0
12	.0000548	5	0	0	0	0

* CLOSURE

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	.00125	5	0	0	0	0

6	.00164	5	0	0	0	0
7	.00153	5	0	0	0	0
8	.00121	5	0	0	0	0
9	.00126	5	0	0	0	0
10	.00114	5	0	0	0	0
11	.000377	5	0	0	0	0
12	.0000548	5	0	0	0	0
1	.0000774	5	0	0	0	0
2	.0000607	5	0	0	0	0
3	.000132	5	0	0	0	0
4	.00043	5	0	0	0	0

* PIT SATUR GW
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	1009	7	200	10	100	.005
2	1009	7	200	10	100	.005
3	1009	7	200	10	100	.005
4	1009	7	200	10	100	.005
5	1009	7	200	10	100	.005
6	1009	7	200	10	100	.005
7	1009	7	200	10	100	.005
8	1009	7	200	10	100	.005
9	1009	7	200	10	100	.005
10	1009	7	200	10	100	.005
11	1009	7	200	10	100	.005
12	1009	7	200	10	100	.005

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	1009	7	200	10	100	.005
6	1009	7	200	10	100	.005
7	1009	7	200	10	100	.005
8	1009	7	200	10	100	.005
9	1009	7	200	10	100	.005
10	1009	7	200	10	100	.005
11	1009	7	200	10	100	.005
12	1009	7	200	10	100	.005
1	1009	7	200	10	100	.005
2	1009	7	200	10	100	.005
3	1009	7	200	10	100	.005
4	1009	7	200	10	100	.005

* PIT RUNOFF
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	1710	0	0	0	0	0
4	5290	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	1710	0	0	0	0	0
4	5290	0	0	0	0	0

* PIT EVAP
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	-416	0	0	0	0	0
6	-547	0	0	0	0	0
7	-510	0	0	0	0	0
8	-403	0	0	0	0	0
9	-420	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	-416	0	0	0	0	0
6	-547	0	0	0	0	0
7	-510	0	0	0	0	0
8	-403	0	0	0	0	0
9	-420	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0

4	0	0	0	0	0	0

* PIT PUMP #1
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	3400	7	56	22	2000	.2
6	3400	7	56	22	2000	.2
7	3400	7	56	22	2000	.2
8	3400	7	56	22	2000	.2
9	3400	7	56	22	2000	.2
10	3400	7	56	22	2000	.2
11	3400	7	56	22	2000	.2
12	3400	7	56	22	2000	.2
1	3400	7	56	22	2000	.2
2	3400	7	56	22	2000	.2
3	3400	7	56	22	2000	.2
4	3400	7	56	22	2000	.2

* PIT PUMP #2
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0

During Operation, Pump #2 was adjusted to obtain no net accumulation of water

** SIMULATION RESULTS **

* OPERATION *

Non-cumulative Total Loadings and Flows Per Time Interval:

YEAR	Month	Flow (m^3/int)	pH(mg/interval)	Alk(mg/int)	Aci(mg/int)	SO4(mg/int)	Cu (mg/int)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4:NP rem.(kg)	5:S rem.(kg)	5:NP (kg)	Pump #2 (m^3/d)	Water Elevation (m)
1985	1	161193.8	1.118759E+09	5.549623E+10	2.630557E+10	4.038113E+10	6748415	2467390	4318822	1420453	2281818	897638.9	1306606	930051.2	470434.8	1876318	3277518	-161193.8	475
1985	2	144659.2	1.005816E+09	5.914282E+10	2.375023E+10	3.64636E+10	6093347	2466460	4309902	1419229	2272959	897149.2	1303632	915356.2	431436.2	1875360	3272859	-144659.2	475
1985	3	376631.4	1.135747E+09	6.546054E+10	2.628272E+10	4.035829E+10	6743704	2465432	4300032	1417874	2263158	896607.1	1300340	899093.8	388277.9	1874299	3267703	-376631.4	475
1985	4	811950	1.18845E+09	7.803752E+10	3.605822E+10	4.967972E+10	9088607	2464437	4290488	1416563	2253680	896082.7	1297155	883362.3	346528.6	1873272	3262714	-811950	475
1985	5	197873	1.495595E+09	6.542412E+10	2.625938E+10	4.033495E+10	6738877	2463410	4280632	1415210	2243893	895541	1293864	867113.4	303406.2	1872212	3257561	-197873	475
1985	6	200520	1.55145E+09	6.329677E+10	2.540145E+10	3.902297E+10	6519250	2462416	4271101	1413902	2234428	895016.8	1290681	851395	261691.7	1871186	3252576	-200520	475
1985	7	203825	1.569065E+09	6.538813E+10	2.623629E+10	4.031185E+10	6734099	2461390	4261259	1412550	2224654	894475.3	1287392	835159.6	218605.1	1870127	3247427	-203825	475
1985	8	193936	1.469865E+09	6.536974E+10	2.622446E+10	4.030001E+10	6731650	2460365	4251424	1411200	2214887	893934	1284104	818931.1	175536.8	1869068	3242279	-193936	475
1985	9	189150	1.43745E+09	6.324446E+10	2.536785E+10	3.898937E+10	6512289	2459374	4241912	1409894	2205441	893410.1	1280923	803232.3	133874.3	1868043	3237299	-189150	475
1985	10	227075	1.448165E+09	6.533442E+10	2.620175E+10	4.02773E+10	6726944	2458350	4232090	1408545	2195687	892869.1	1277637	787017.2	90841.19	1866985	3232155	-227075	475
1985	11	173970	1.17255E+09	8.93596E+10	4.426167E+10	5.788316E+10	1.107138E+07	2457360	4222590	1407241	2186253	892345.5	1274457	771331.2	49212.6	1865961	3227179	-173970	475
1986	0	159792.6	1.111753E+09	6.529959E+10	2.617931E+10	4.025485E+10	6722271	2456338	4212781	1405894	2176512	891804.7	1271172	755129.2	6214.369	1864903	3222038	-159792.6	475
1986	1	161193.8	1.118759E+09	6.211566E+10	2.604322E+10	4.011871E+10	6693837	2455323	4203048	1404558	2166847	891265.5	1267898	739007.3	-.185856	1863850	3216919	-161193.8	475
1986	2	144659.2	1.005816E+09	4.486988E+10	2.351435E+10	3.622775E+10	6044254	2454408	4194262	1403352	2158123	890778.6	1264940	724450.6	-.185856	1862899	3212296	-144659.2	475
1986	3	376631.4	1.135747E+09	4.966695E+10	2.602303E+10	4.009854E+10	6689594	2453395	4184541	1402017	2148469	890239.6	1261667	708340.7	-.185856	1861846	3207180	-376631.4	475
1986	4	811950	1.18845E+09	5.974644E+10	3.843118E+10	5.205269E+10	9673179	2452414	4175139	1400726	2139132	889718.2	1258500	692756.1	-.185856	1860828	3202231	-811950	475
1986	5	197873	1.495595E+09	4.964694E+10	2.600234E+10	4.007789E+10	6685253	2451403	4165430	1399393	2129490	889179.5	1255228	676658.4	-.185856	1859776	3197119	-197873	475
1986	6	200520	1.55145E+09	4.803616E+10	2.515395E+10	3.877548E+10	6467579	2450424	4156039	1398103	2120165	888658.2	1252062	661085.7	-.185856	1858758	3192173	-200520	475
1986	7	203825	1.569065E+09	4.962719E+10	2.59819E+10	4.005745E+10	6680947	2449413	4146341	1396772	2110534	888119.8	1248792	645000.1	-.185856	1857707	3187064	-203825	475
1986	8	193936	1.469865E+09	4.961707E+10	2.597144E+10	4.004698E+10	6678741	2448403	4136649	1395441	2100909	887581.4	1245522	628920.8	-.185856	1856656	3181956	-193936	475
1986	9	189150	1.43745E+09	4.800743E+10	2.512419E+10	3.874567E+10	6461295	2447425	4127274	1394154	2091599	887060.5	1242359	613365.8	-.185856	1855640	3177014	-189150	475
1986	10	227075	1.448165E+09	4.959768E+10	2.595126E+10	4.002682E+10	6674479	2446416	4117593	1392825	2081985	886522.4	1239091	597298.5	-.185856	1854590	3171910	-227075	475
1986	11	173970	1.17255E+09	6.205488E+10	4.382627E+10	5.744776E+10	1.098023E+07	2445441	4108229	1391539	2072686	886001.8	1235929	581755.1	-.185856	1853574	3166972	-173970	475
1987	0	159792.6	1.111753E+09	4.957852E+10	2.593131E+10	4.000686E+10	6670260	2444433	4098559	1390211	2063083	885464.1	1232662	565699.6	-.185856	1852524	3161871	-159792.6	475
1987	1	161193.8	1.118759E+09	4.946298E+10	2.580985E+10	3.988542E+10	6644490	2443432	4088955	1388893	2053546	884927.7	1229405	549716.8	-.185856	1851479	3156789	-161193.8	475
1987	2	144659.2	1.005816E+09	4.466903E+10	2.330447E+10	3.601786E+10	5999848	2442528	4080285	1387702	2044936	884443.4	1226464	535285.4	-.185856	1850535	3152201	-144659.2	475
1987	3	376631.4	1.135747E+09	4.944594E+10	2.579175E+10	3.98673E+10	6640639	2441528	4070691	1386385	2035408	883907.3	1223208	519313.5	-.185856	1849490	3147122	-376631.4	475
1987	4	811950	1.18845E+09	5.769163E+10	3.808112E+10	5.170264E+10	9599107	2440561	4061411	1385111	2026193	883388.6	1220058	503862	-.185856	1848479	3142209	-811950	475
1987	5	197873	1.495595E+09	4.942853E+10	2.577326E+10	3.984879E+10	6636685	2439562	4051827	1383795	2016675	882852.7	1216803	487901.2	-.185856	1847435	3137134	-197873	475
1987	6	200520	1.55145E+09	4.782594E+10	2.493324E+10	3.855476E+10	6420757	2438595	4042556	1382522	2007469	882334.3	1213654	472460.5	-.185856	1846424	3132223	-200520	475
1987	7	203825	1.569065E+09	4.941126E+10	2.575487E+10	3.983043E+10	6632759	2437598	4032982	1381207	1997961	881798.7	1210401	456510.8	-.185856	1845381	3127151	-203825	475
1987	8	193936	1.469865E+09	4.940243E+10	2.574545E+10	3.982101E+10	6630752	2436600	4023413	1379894	1988458	881263.2	1207149	440566.8	-.185856	1844338	3122080	-193936	475
1987	9	189150	1.43745E+09	4.780084E+10	2.490648E+10	3.852796E+10	6415033	2435636	4014157	1378623	1979266	880745.1	1204003	425142.2	-.185856	1843328	3117174	-189150	475
1987	10	227075	1.448165E+09	4.938548E+10	2.572734E+10	3.98029E+10	6626877	2434639	4004597	1377310	1969773	880209.8	1200752	409209.2	-.185856	1842285	3112106	-227075	475
1987	11	173970	1.17255E+09	6.168597E+10	4.343719E+10	5.705866E+10	1.089752E+07	2433675	3995350	1376041	1960591	879691.9	1197606	393795.1	-.185856	1841277	3107203	-173970	475
1988	0	159792.6	1.111753E+09	4.936869E+10	2.57094E+10	3.978493E+10	6623028	2432680	3985801	1374729	1951107	879157	1194357	377872.9	-.185856	1840235	3102138	-159792.6	475
1988	1	161193.8	1.118759E+09	4.926706E+10	2.559976E+10	3.967529E+10	6599457	2431691	3976309	1373426	1941681	878623.4	1191117	362017.1	-.185856	1839196	3097091	-161193.8	475
1988	2	149825.6	1.041738E+09	4.608193E+10	2.3941E+10	3.710845E+10	6172146	2430766	3967433	1372208	1932866	878124.3	1188086	347188.6	-.185856	1838225	3092371	-149825.6	475
1988	3	376631.4	1.135747E+09	4.925198E+10	2.558338E+10	3.965891E+10	6595929	2429777	3957949	1370905	1923449	877590.9	1184846	331342.7	-.185856	1837188	3087327	-376631.4	475
1988	4	811950	1.18845E+09	5.746237E+10	3.785192E+10	5.147342E+10	9552324	2428821	3948776	1369646	1914339	877075	1181712	316012.8	-.185856	1836184	3082448	-811950	475
1988	5	197873	1.495595E+09	4.923655E+10	2.556658E+10	3.964211E+10	6592303	2427834	3939301	1368345	1904930	876541.8	1178474	300177.2	-.185856	1835146	3077407	-197873	475
1988	6	200520	1.55145E+09	4.76411E+10	2.473403E+10	3.835553E+10	6377959	2426878	3930136	1367087	1895828	876026	1175341	284857.1	-.185856	1834143	3072529	-200520	475
1988	7	203825	1.569065E+09	4.922129E+10	2.554992E+10	3.962549E+10	6588707	2425892	3920670	1365787	1886428	875493.1	1172105	269031.6	-.185856	1833106	3067492	-203825	475
1988	8	193936	1.469865E+09	4.921346E+10	2.554137E+10	3.961693E+10	6586857	2424906	3911209	1364488	1877032	874960.3	1168869	253211.3	-.185856	1832070	3062455	-193936	475
1988	9	189150	1.43745E+09	4.761885E+10	2.470975E+10	3.833126E+10	6372708	2423952	3902056	1363231	1867943	874444.8	1165738	237906.1	-.185856	1831067	3057582	-189150	475
1988	10	227075	1.448165E+09	4.91984E+10	2.552491E+10	3.960047E+10	6583298	2422967	3892603	1361934	1858556	873912.1	1162503	222095.9	-.185856	1830032	3052548	-227075	475
1988	11	173970	1.17255E+09	6.136079E+10	4.308546E+10	5.670697E+10	1.082182E+07	2422014	3883459	1360678	1849475	873396.9	1159373	206800.3	-.185856	1829029	3047677	-173970	475
1989	0	159792.6	1.111753E+09	4.918348E+10	2.550859E+10	3.958415E+10	6579758	2421029	3874015	1359381	1840096	872864.6	1156140	191000.1	-.185856	1827994	3042646	-159792.6	475
1989	1	161193.8	1.118759E+09	4.909235E+10	2.540819E+10	3.948372E+10	6557944	2420050	3864622	1358092	1830769	872333.6	1152915	175261.3	-.185856	1826963	3037632	-161193.8	475
1989	2	144659.2	1.005816E+09	4.433578E+10	2.294302E+10	3.565643E+10	5921933	2419167	3856141	1356927	1822347	871854.2	1150003	161049.4	-.185856	1826031	3033104	-144659.2	475
1989	3	376631.4	1.135747E+09	4.907884E+10	2.539323E+10	3.946879E+10	6554691	2418188	3846756	1355638	1813027	871323.4	1146779	145319.8	-.185856	1825000	3028093	-376631.4	475
1989	4	811950	1.18845E+09	5.71359E+10	3.747824E+10	5.109971E+10	9469126	2417242	3837677	1354392	1804012	870809.8	1143660	130102	-.185856	1824002	3023244	-811950	475

1989	5	197873	1.495595E+09	4.906503E+10	2.53779E+10	3.945343E+10	6551344	2416264	3828300	1353105	1794699	870279.2	1140438	114381.8	-.185856	1822972	3018235	-197873	475	
1989	6	200520	1.55145E+09	4.747586E+10	2.455211E+10	3.817358E+10	6338449	2415319	3819229	1351859	1785691	869765.9	1137320	99173.13	-.185856	1821975	3013389	-200520	475	
1989	7	203825	1.569065E+09	4.905134E+10	2.536267E+10	3.943822E+10	6548017	2414342	3809859	1350573	1776387	869235.5	1134099	83462.28	-.185856	1820945	3008382	-203825	475	
1989	8	193936	1.469865E+09	4.904431E+10	2.535483E+10	3.943039E+10	6546313	2413366	3800494	1349287	1767086	868705.3	1130879	67756.26	-.185856	1819915	3003377	-193936	475	
1989	9	189150	1.43745E+09	4.745589E+10	2.452988E+10	3.815136E+10	6333597	2412422	3791434	1348043	1758089	868192.2	1127763	52561.24	-.185856	1818919	2998535	-189150	475	
1989	10	227075	1.448165E+09	4.903077E+10	2.533975E+10	3.941533E+10	6543017	2411447	3782076	1346758	1748796	867662.1	1124544	36864.48	-.185856	1817890	2993533	-227075	475	
1989	11	173970	1.17255E+09	6.106951E+10	4.276378E+10	5.638529E+10	1.075186E+07	2410504	3773023	1345515	1739807	867149.2	1121429	21678.39	-.185856	1816894	2988693	-173970	475	
1990	0	159792.6	1.111753E+09	4.901738E+10	2.532479E+10	3.940035E+10	6539751	2409529	3763673	1344231	1730521	866619.4	1118211	5990.841	-.185856	1815865	2983693	-159792.6	475	
1990	1	161193.8	1.118759E+09	4.893556E+10	2.523307E+10	3.930863E+10	6519643	2408560	3754369	1342954	1721282	866090.9	1115001	.227072	-.185856	1814839	2978709	-161193.8	475	
1990	2	144659.2	1.005816E+09	4.419473E+10	2.278535E+10	2.025475E+10	5887431	2407684	3745968	1341801	1712939	865613.6	1112103	.227072	-.185856	1813913	2974209	-144659.2	475	
1990	3	376631.4	1.135747E+09	4.892336E+10	2.52193E+10	2.242248E+10	6516618	2406715	3736671	1340524	1703706	865085.3	1108894	.227072	-.185856	1812888	2969227	-376631.4	475	
1990	4	811950	1.18845E+09	5.690059E+10	3.721513E+10	2.913072E+10	9411547	2405777	3727677	1339289	1694775	864574.1	1105789	.227072	-.185856	1811897	2964408	-811950	475	
1990	5	197873	1.495595E+09	4.891086E+10	2.520517E+10	2.241779E+10	6513511	2404809	3718387	1338014	1685549	864045.9	1102582	.227072	-.185856	1810872	2959428	-197873	475	
1990	6	200520	1.55145E+09	4.732727E+10	2.438553E+10	2.169247E+10	6301950	2403872	3709400	1336780	1676624	863535	1099478	.227072	-.185856	1809881	2954611	-200520	475	
1990	7	203825	1.569065E+09	4.889845E+10	2.519117E+10	2.241315E+10	6510422	2402905	3700117	1335505	1667406	863007.1	1096272	.227072	-.185856	1808857	2949634	-203825	475	
1990	8	193936	1.469865E+09	4.889206E+10	2.518392E+10	2.241076E+10	6508839	2401938	3690837	1334231	1658190	862479.3	1093066	.227072	-.185856	1807834	2944659	-193936	475	
1990	9	189150	1.43745E+09	4.730915E+10	2.436503E+10	2.168568E+10	6297442	2401002	3681860	1332999	1649276	861968.6	1089964	.227072	-.185856	1806843	2939845	-189150	475	
1990	10	227075	1.448165E+09	4.88798E+10	8.33061E+09	2.240617E+10	6505780	2400036	3672587	1331726	1640068	861440.9	1086760	.227072	-.185856	1805820	2934873	-227075	475	
1990	11	173970	1.17255E+09	6.080718E+10	2.249585E+10	2.687505E+10	1.068719E+07	2399101	3663617	1330494	1631160	860930.4	1083659	.227072	-.185856	1804830	2930061	-173970	475	
1991	0	159792.6	1.111753E+09	4.886761E+10	8.326061E+09	2.240161E+10	6502735	2398135	3654352	1329222	1621958	860402.9	1080456	.227072	-.185856	1803808	2925091	-159792.6	475	
1991	1	161193.8	1.118759E+09	4.879314E+10	8.298157E+09	2.237371E+10	6484009	2397174	3645128	1327955	1612798	859876.8	1077260	.227072	-.185856	1802788	2920135	-161193.8	475	
1991	2	144659.2	1.005816E+09	4.406654E+10	7.493346E+09	2.020675E+10	5855335	2396306	3636799	1326812	1604528	859401.6	1074374	.227072	-.185856	1801867	2915660	-144659.2	475	
1991	3	376631.4	1.135747E+09	4.8782E+10	8.29398E+09	2.236953E+10	6481191	2395345	3627582	1325547	1595374	858875.5	1071180	.227072	-.185856	1800848	2910707	-376631.4	475	
1991	4	811950	1.18845E+09	5.668672E+10	1.167087E+10	2.529237E+10	9357982	2394416	3618665	1324322	1586519	858366.6	1068089	.227072	-.185856	1799862	2905914	-811950	475	
1991	5	197873	1.495595E+09	4.877058E+10	8.289699E+09	2.236525E+10	6478289	2393456	3609454	1323057	1577372	857840.8	1064895	.227072	-.185856	1798843	2900963	-197873	475	
1991	6	200520	1.55145E+09	4.719201E+10	8.020287E+09	2.164179E+10	6267960	2392527	3600542	1321834	1568523	857332.1	1061805	.227072	-.185856	1797858	2896173	-200520	475	
1991	7	203825	1.569065E+09	4.875923E+10	8.285445E+09	2.236099E+10	6475406	2391568	3591338	1320570	1559382	856806.5	1058613	.227072	-.185856	1796840	2891224	-203825	475	
1991	8	193936	1.469865E+09	4.87534E+10	8.283256E+09	2.235881E+10	6473928	2390608	3582137	1319307	1550244	856281.1	1055421	.227072	-.185856	1795822	2886277	-193936	475	
1991	9	189150	1.43745E+09	4.717545E+10	8.01408E+09	2.163558E+10	6263745	2389681	3573235	1318085	1541404	855772.6	1052333	.227072	-.185856	1794837	2881490	-189150	475	
1991	10	227075	1.448165E+09	4.874217E+10	8.279047E+09	2.23546E+10	6471067	2388722	3564040	1316822	1532273	855247.3	1049143	.227072	-.185856	1793819	2876545	-227075	475	
1991	11	173970	1.17255E+09	6.056813E+10	1.316397E+10	2.678547E+10	1.062691E+07	2387795	3555144	1315601	1523439	854738.9	1046056	.227072	-.185856	1792835	2871760	-173970	475	
1992	0	159792.6	1.111753E+09	4.873104E+10	8.274869E+09	2.235042E+10	6468227	2386837	3545955	1314339	1514314	854213.9	1042866	.227072	-.185856	1791818	2866817	-159792.6	475	
1992	1	161193.8	1.118759E+09	4.86627E+10	8.249243E+09	2.232479E+10	6450701	2385883	3536805	1313083	1505227	853689.9	1039684	.227072	-.185856	1790804	2861888	-161193.8	475	
1992	2	149825.6	1.041738E+09	4.551872E+10	7.715346E+09	2.08828E+10	6033376	2384991	3528247	1311908	1496729	853199.8	1036708	.227072	-.185856	1789855	2857278	-149825.6	475	
1992	3	376631.4	1.135747E+09	4.865247E+10	8.245395E+09	2.232094E+10	6448063	2384038	3519102	1310652	1487648	852676	1033527	.227072	-.185856	1788841	2852351	-376631.4	475	
1992	4	811950	1.18845E+09	5.655311E+10	1.162134E+10	2.524284E+10	9328223	2383116	3510255	1309438	1478862	852169.2	1030449	.227072	-.185856	1787861	2847584	-811950	475	

Non-cumulative Flows and Concentrations Per Time Interval for Mine Bottom Sump(s)

YEAR	Month	Flow (m^3/int)	pH	Alk(mg/L)	Aci(mg/L)	SO4(mg/L)	Cu (mg/L)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4:NP rem.(kg)	5:S rem.(kg)	5:NP (kg)	Pump #2 (m^3/d)	Water Elevation (m)
1985	1	161193.8	7.9181	243.1276	0	250.5129	.0240426	2467390	4318822	1420453	2281818	897638.9	1306606	930051.2	470434.8	1876318	3277518	-161193.8	475
1985	2	144659.2	7.922015	244.6619	0	252.0656	2.382666E-02	2466460	4309902	1419229	2272959	897149.2	1303632	915356.2	431436.2	1875360	3272859	-144659.2	475
1985	3	376631.4	7.389862	104.0217	0	107.1559	8.123588E-02	2465432	4300032	1417874	2263158	896607.1	1300340	899093.8	388277.9	1874299	3267703	-376631.4	475
1985	4	811950	6.954879	51.70183	0	61.18568	.2213939	2464437	4290488	1416563	2253680	896082.7	1297155	883362.3	346528.6	1873272	3262714	-811950	475
1985	5	197873	7.790127	197.9287	0	203.8426	3.229107E-02	2463410	4280632	1415210	2243893	895541	1293864	867113.4	303406.2	1872212	3257561	-197873	475
1985	6	200520	7.761358	188.9852	0	194.6089	3.450489E-02	2462416	4271101	1413902	2234428	895016.8	1290681	851395	261691.7	1871186	3252576	-200520	475
1985	7	203825	7.771482	192.0856	0	197.7768	.033709	2461390	4261259	1412550	2224654	894475.3	1287392	835159.6	218605.1	1870127	3247427	-203825	475
1985	8	193936	7.802322	201.8464	0	207.8006	3.139605E-02	2460365	4251424	1411200	2214887	893934	1284104	818931.1	175536.8	1869068	3242279	-193936	475
1985	9	189150	7.79737	200.2464	0	206.1294	3.175645E-02	2459374	4241912	1409894	2205441	893410.1	1280923	803232.3	133874.3	1868043	3237299	-189150	475
1985	10	227075	7.703969	172.3337	0	177.3745	3.938468E-02	2458350	4232090	1408545	2195687	892869.1	1277637	787017.2	90841.19	1866985	3232155	-227075	475
1985	11	173970	7.957997	259.2282	0	332.7192	2.193029E-02	2457360	4222590	1407241	2186253	892345.5	1274457	771331.2	49212.6	1865961	3227179	-173970	475
1986	0	159792.6	7.922415	244.8191	0	251.9194	2.380469E-02	2456338	4212781	1405894	2176512	891804.7	1271172	755129.2	6214.369	1864903	3222038	-159792.6	475
1986	1	161193.8	7.866515	223.7831	0	248.885	2.707813E-02	2455323	4203048	1404558	2166847	891265.5	1267898	739007.3	-.185856	1863850	3216919	-161193.8	475
1986	2	144659.2	7.607685	147.6265	0	250.4352	4.917077E-02	2454408	4194262	1403352	2158123	890778.6	1264940	724450.6	-.185856	1862899	3212296	-144659.2	475
1986	3	376631.4	7.075649	62.77734	0	106.4663	.1676005	2453395	4184541	1402017	2148469	890239.6	1261667	708340.7	-.185856	1861846	3207180	-376631.4	475
1986	4	811950	6.533182	26.25193	0	64.10825	.5851733	2452414	4175139	1400726	2139132	889718.2	1258500	692756.1	-.185856	1860828	3202231	-811950	475
1986	5	197873	7.47614	119.4938	0	202.5435	6.658618E-02	2451403	4165430	1399393	2129490	889179.5	1255228	676658.4	-.185856	1859776	3197119	-197873	475
1986	6	200520	7.447479	114.1143	0	193.3746	.0711334	2450424	4156039	1398103	2120165	888658.2	1252062	661085.7	-.185856	1858758	3192173	-200520	475
1986	7	203825	7.457718	116.0078	0	196.5287	.0694743	2449413	4146341	1396772	2110534	888119.8	1248792	645000.1	-.185856	1857707	3187064	-203825	475

1986	8	193936	7.488671	121.9249	0	206.4958	6.469047E-02	2448403	4136649	1395441	2100909	887581.4	1245522	628920.8	-.185856	1856656	3181956	-193936	475
1986	9	189150	7.483827	120.9793	0	204.841	6.541681E-02	2447425	4127274	1394154	2091599	887060.5	1242359	613365.8	-.185856	1855640	3177014	-189150	475
1986	10	227075	7.390539	104.1348	0	176.2714	8.110929E-02	2446416	4117593	1392825	2081985	886522.4	1239091	597298.5	-.185856	1854590	3171910	-227075	475
1986	11	173970	7.394382	104.7802	0	330.2165	8.039387E-02	2445441	4108229	1391539	2072686	886001.8	1235929	581755.1	-.185856	1853574	3166972	-173970	475
1987	0	159792.6	7.609202	147.9869	0	250.3674	4.899911E-02	2444433	4098559	1390211	2063083	885464.1	1232662	565699.6	-.185856	1852524	3161871	-159792.6	475
1987	1	161193.8	7.603926	146.7373	0	247.4377	4.959863E-02	2443432	4088955	1388893	2053546	884927.7	1229405	549716.8	-.185856	1851479	3156789	-161193.8	475
1987	2	144659.2	7.607948	147.6889	0	248.9842	.049141	2442528	4080285	1387702	2044936	884443.4	1226464	535285.4	-.185856	1850535	3152201	-144659.2	475
1987	3	376631.4	7.075919	62.80462	0	105.8523	.1674961	2441528	4070691	1386385	2035408	883907.3	1223208	519313.5	-.185856	1849490	3147122	-376631.4	475
1987	4	811950	6.481317	24.15236	0	63.67712	.6594798	2440561	4061411	1385111	2026193	883388.6	1220058	503862	-.185856	1848479	3142209	-811950	475
1987	5	197873	7.47642	119.5477	0	201.3857	6.654309E-02	2439562	4051827	1383795	2016675	882852.7	1216803	487901.2	-.185856	1847435	3137134	-197873	475
1987	6	200520	7.447764	114.1666	0	192.2739	7.108666E-02	2438595	4042556	1382522	2007469	882334.3	1213654	472460.5	-.185856	1846424	3132223	-200520	475
1987	7	203825	7.45801	116.0622	0	195.4148	6.942751E-02	2437598	4032982	1381207	1997961	881798.7	1210401	456510.8	-.185856	1845381	3127151	-203825	475
1987	8	193936	7.48897	121.9834	0	205.3307	6.464591E-02	2436600	4023413	1379894	1988458	881263.2	1207149	440566.8	-.185856	1844338	3122080	-193936	475
1987	9	189150	7.484129	121.0382	0	203.69	6.537124E-02	2435636	4014157	1378623	1979266	880745.1	1204003	425142.2	-.185856	1843328	3117174	-189150	475
1987	10	227075	7.390847	104.1864	0	175.2853	8.105163E-02	2434639	4004597	1377310	1969773	880209.8	1200752	409209.2	-.185856	1842285	3112106	-227075	475
1987	11	173970	7.395071	104.8962	0	327.9799	8.026639E-02	2433675	3995350	1376041	1960591	879691.9	1197606	393795.1	-.185856	1841277	3107203	-173970	475
1988	0	159792.6	7.60952	148.0625	0	248.9786	4.896321E-02	2432680	3985801	1374729	1951107	879157	1194357	377872.9	-.185856	1840235	3102138	-159792.6	475
1988	1	161193.8	7.604298	146.8251	0	246.1341	4.955613E-02	2431691	3976309	1373426	1941681	878623.4	1191117	362017.1	-.185856	1839196	3097091	-161193.8	475
1988	2	149825.6	7.608324	147.778	0	247.6776	4.909847E-02	2430766	3967433	1372208	1932866	878124.3	1188086	347188.6	-.185856	1838225	3092371	-149825.6	475
1988	3	376631.4	7.076298	62.84286	0	105.299	.16735	2429777	3957949	1370905	1923449	877590.9	1184846	331342.7	-.185856	1837188	3087327	-376631.4	475
1988	4	811950	6.481316	24.15229	0	63.39482	.659482	2428821	3948776	1369646	1914339	877075	1181712	316012.8	-.185856	1836184	3082448	-811950	475
1988	5	197873	7.476807	119.6221	0	200.3412	6.648388E-02	2427834	3939301	1368345	1904930	876541.8	1178474	300177.2	-.185856	1835146	3077407	-197873	475
1988	6	200520	7.448154	114.2383	0	191.2803	.0710227	2426878	3930136	1367087	1895828	876026	1175341	284857.1	-.185856	1834143	3072529	-200520	475
1988	7	203825	7.458404	116.1357	0	194.4093	6.936451E-02	2425892	3920670	1365787	1886428	875493.1	1172105	269031.6	-.185856	1833106	3067492	-203825	475
1988	8	193936	7.489367	122.0614	0	204.2784	6.458675E-02	2424906	3911209	1364488	1877032	874960.3	1168869	253211.3	-.185856	1832070	3062455	-193936	475
1988	9	189150	7.484529	121.116	0	202.6501	6.531092E-02	2423952	3902056	1363231	1867943	874444.8	1165738	237906.1	-.185856	1831067	3057582	-189150	475
1988	10	227075	7.391251	104.2541	0	174.3938	8.097631E-02	2422967	3892603	1361934	1858556	873912.1	1162503	222095.9	-.185856	1830032	3052548	-227075	475
1988	11	173970	7.395976	105.0488	0	325.9583	8.009921E-02	2422014	3883459	1360678	1849475	873396.9	1159373	206800.3	-.185856	1829029	3047677	-173970	475
1989	0	159792.6	7.60993	148.1601	0	247.7221	.048917	2421029	3874015	1359381	1840096	872864.6	1156140	191000.1	-.185856	1827994	3042646	-159792.6	475
1989	1	161193.8	7.604741	146.9297	0	244.9456	4.950556E-02	2420050	3864622	1358092	1830769	872333.6	1152915	175261.3	-.185856	1826963	3037632	-161193.8	475
1989	2	144659.2	7.608769	147.8839	0	246.4857	4.904809E-02	2419167	3856141	1356927	1822347	871854.2	1150003	161049.4	-.185856	1826031	3033104	-144659.2	475
1989	3	376631.4	7.076745	62.88803	0	104.7942	.1671776	2418188	3846756	1355638	1813027	871323.4	1146779	145319.8	-.185856	1825000	3028093	-376631.4	475
1989	4	811950	6.482812	24.21044	0	62.93456	.6572114	2417242	3837677	1354392	1804012	870809.8	1143660	130102	-.185856	1824002	3023244	-811950	475
1989	5	197873	7.477258	119.7088	0	199.3876	.0664148	2416264	3828300	1353105	1794699	870279.2	1140438	114381.8	-.185856	1822972	3018235	-197873	475
1989	6	200520	7.448607	114.3215	0	190.3729	7.094867E-02	2415319	3819229	1351859	1785691	869765.9	1137320	99173.13	-.185856	1821975	3013389	-200520	475
1989	7	203825	7.458858	116.2206	0	193.4906	.0692919	2414342	3809859	1350573	1776387	869235.5	1134099	83462.28	-.185856	1820945	3008382	-203825	475
1989	8	193936	7.489824	122.151	0	203.3165	6.451878E-02	2413366	3800494	1349287	1767086	868705.3	1130879	67756.26	-.185856	1819915	3003377	-193936	475
1989	9	189150	7.484989	121.2055	0	201.6989	6.524183E-02	2412422	3791434	1348043	1758089	868192.2	1127763	52561.24	-.185856	1818919	2998535	-189150	475
1989	10	227075	7.391711	104.3312	0	173.5785	8.089038E-02	2411447	3782076	1346758	1748796	867662.1	1124544	36864.48	-.185856	1817890	2993533	-227075	475
1989	11	173970	7.397009	105.2235	0	324.1093	7.990859E-02	2410504	3773023	1345515	1739807	867149.2	1121429	21678.39	-.185856	1816894	2988693	-173970	475
1990	0	159792.6	7.610395	148.2709	0	246.5718	4.886456E-02	2409529	3763673	1344231	1730521	866619.4	1118211	5990.841	-.185856	1815865	2983693	-159792.6	475
1990	1	161193.8	7.605223	147.0435	0	243.8594	4.945058E-02	2408560	3754369	1342954	1721282	866090.9	1115001	.227072	-.185856	1814839	2978709	-161193.8	475
1990	2	144659.2	7.609252	147.9987	0	140.017	4.899351E-02	2407684	3745968	1341801	1712939	865613.6	1112103	.227072	-.185856	1813913	2974209	-144659.2	475
1990	3	376631.4	7.077229	62.93703	0	59.53428	.166991	2406715	3736671	1340524	1703706	865085.3	1108894	.227072	-.185856	1812888	2969227	-376631.4	475
1990	4	811950	6.483691	24.24467	0	35.87748	.6558816	2405777	3727677	1339289	1694775	864574.1	1105789	.227072	-.185856	1811897	2964408	-811950	475
1990	5	197873	7.477745	119.8025	0	113.2938	.0663403	2404809	3718387	1338014	1685549	864045.9	1102582	.227072	-.185856	1810872	2959428	-197873	475
1990	6	200520	7.449095	114.4112	0	108.1811	7.086886E-02	2403872	3709400	1336780	1676624	863535	1099478	.227072	-.185856	1809881	2954611	-200520	475
1990	7	203825	7.459347	116.3119	0	109.9627	6.921396E-02	2402905	3700117	1335505	1667406	863007.1	1096272	.227072	-.185856	1808857	2949634	-203825	475
1990	8	193936	7.490314	122.2472	0	115.5575	.064446	2401938	3690837	1334231	1658190	862479.3	1093066	.227072	-.185856	1807834	2944659	-193936	475
1990	9	189150	7.48548	121.3012	0	114.648	6.516794E-02	2401002	3681860	1332999	1649276	861968.6	1089964	.227072	-.185856	1806843	2939845	-189150	475
1990	10	227075	7.726093	178.5718	0	98.67298	3.742664E-02	2400036	3672587	1331726	1640068	861440.9	1086760	.227072	-.185856	1805820	2934873	-227075	475
1990	11	173970	7.856523	220.218	0	154.481	2.770899E-02	2399101	3663617	1330494	1631160	860930.4	1083659	.227072	-.185856	1804830	2930061	-173970	475
1991	0	159792.6	7.944619	253.7136	0	140.1918	2.261708E-02	2398135	3654352	1329222	1621958	860402.9	1080456	.227072	-.185856	1803808	2925091	-159792.6	475
1991	1	161193.8	7.938471	251.2193	0	138.8001	2.293982E-02	2397174	3645128	1327955	1612798	859876.8	1077260	.227072	-.185856	1802788	2920135	-161193.8	475
1991	2	144659.2	7.942431	252.8231	0	139.6852	2.273141E-02	2396306	3636799	1326812	1604528	859401.6	1074374	.227072	-.185856	1801867	2915660	-144659.2	475
1991	3	376631.4	7.410329	107.5004	0	59.39371	7.749259E-02	2395345	3627582	1325547	1595374	858875.5	1071180	.227072	-.185856	1800848	2910707	-376631.4	475
1991	4	811950	6.998333	55.44166	0	31.15015	.2002945	2394416	3618665	1324322	1586519	858366.6	1068089	.227072	-.185856	1799862	2905914	-811950	475
1991	5	197873	7.810693	204.5801	0	113.0283	3.079614E-02	2393456	3609454	1323057	1577372	857840.8	1064895	.227072	-.185856	1798843	2900963	-197873	475

1991	6	200520	7.78197	195.3507	0	107.9283	3.290393E-02	2392527	3600542	1321834	1568523	857332.1	1061805	.227072	-.185856	1797858	2896173	-200520	475
1991	7	203825	7.792144	198.5713	0	109.7068	3.214133E-02	2391568	3591338	1320570	1559382	856806.5	1058613	.227072	-.185856	1796840	2891224	-203825	475
1991	8	193936	7.823032	208.6778	0	115.2896	2.993263E-02	2390608	3582137	1319307	1550244	856281.1	1055421	.227072	-.185856	1795822	2886277	-193936	475
1991	9	189150	7.818125	207.0387	0	114.3832	3.027307E-02	2389681	3573235	1318085	1541404	855772.6	1052333	.227072	-.185856	1794837	2881490	-189150	475
1991	10	227075	7.724771	178.1928	0	98.44587	3.754088E-02	2388722	3564040	1316822	1532273	855247.3	1049143	.227072	-.185856	1793819	2876545	-227075	475
1991	11	173970	7.989028	272.4847	0	153.966	2.041655E-02	2387795	3555144	1315601	1523439	854738.9	1046056	.227072	-.185856	1792835	2871760	-173970	475
1992	0	159792.6	7.943306	253.1792	0	139.8714	2.268559E-02	2386837	3545955	1314339	1514314	854213.9	1042866	.227072	-.185856	1791818	2866817	-159792.6	475
1992	1	161193.8	7.937217	250.7135	0	138.4966	2.300622E-02	2385883	3536805	1313083	1505227	853689.9	1039684	.227072	-.185856	1790804	2861888	-161193.8	475
1992	2	149825.6	7.941181	252.3159	0	139.3807	2.279698E-02	2384991	3528247	1311908	1496729	853199.8	1036708	.227072	-.185856	1789855	2857278	-149825.6	475
1992	3	376631.4	7.409084	107.2855	0	59.26469	7.771528E-02	2384038	3519102	1310652	1487648	852676	1033527	.227072	-.185856	1788841	2852351	-376631.4	475
1992	4	811950	6.997169	55.3381	0	31.08916	.2008321	2383116	3510255	1309438	1478862	852169.2	1030449	.227072	-.185856	1787861	2847584	-811950	475

* CLOSURE *

Cumulative Total Loadings and Volumes Per Time Interval:

YEAR	Month	Vol (m^3/Lyr)	pH(mg/interval)	Alk(mg/int)	Aci(mg/int)	SO4(mg/int)	Cu (mg/int)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S (kg)	4:NP rem. (kg)	5:S rem.(kg)	5:NP rem.(kg)	Pump #2	Water Elevation (m)
1992	5	300607	2.67668E+10	1.631428E+12	5.170339E+11	7.424048E+11	2.096652E+09	2382397	3503357	1308190	1469842	851647.4	1027279	9.375E-08	-.185856	1786899	2842909	0	485.736
1992	6	603127	8.565192E+10	5.087329E+12	1.59406E+12	2.037137E+12	6.417848E+09	2381741	3497058	1306984	1461115	851142.5	1024213	9.375E-08	-.185856	1785985	2838468	0	496.5403
1992	7	912352	2.004185E+11	1.208082E+13	3.778993E+12	4.446354E+12	1.516848E+10	2381088	3490796	1305741	1452125	850620.8	1021045	9.375E-08	-.185856	1785050	2833925	0	506.636
1992	8	1211688	4.041128E+11	2.465916E+13	7.718415E+12	8.6083E+12	3.090642E+10	2380453	3484703	1304503	1443170	850099.3	1017877	9.375E-08	-.185856	1784121	2829410	0	515.9902
1992	9	1502838	7.410403E+11	4.523437E+13	1.416525E+13	1.526747E+13	5.664211E+10	2379855	3478967	1303309	1434538	849594.7	1014812	9.375E-08	-.185856	1783228	2825068	0	525.0887
1992	10	1835313	1.268057E+12	7.677214E+13	2.404704E+13	2.536395E+13	9.605169E+10	2379257	3473228	1302082	1425659	849073.3	1011646	9.375E-08	-.185856	1782311	2820612	0	535.4785
1992	11	2111283	2.055581E+12	1.228472E+14	3.849721E+13	4.001308E+13	1.536042E+11	2378693	3467825	1300898	1417097	848568.9	1008582	9.375E-08	-.185856	1781429	2816325	0	544.1026
1993	0	2376476	3.190507E+12	1.874549E+14	5.876292E+13	6.047296E+13	2.342288E+11	2378126	3462376	1299686	1408335	848048.4	1005421	9.375E-08	-.185856	1780522	2811917	0	550.7081
1993	1	2643069	4.776705E+12	2.754195E+14	8.649698E+13	8.837663E+13	3.439389E+11	2377567	3457016	1298504	1399786	847530.6	1002276	9.375E-08	-.185856	1779618	2807521	0	553.1766
1993	2	2882929	6.936533E+12	3.918047E+14	1.231116E+14	1.251167E+14	4.889814E+11	2377070	3452249	1297461	1392238	847065.1	999448	9.375E-08	-.185856	1778803	2803562	0	555.3975
1993	3	3364948	9.813373E+12	5.428013E+14	1.707516E+14	1.728609E+14	6.769952E+11	2376537	3447132	1296359	1384267	846554.3	996345.8	9.375E-08	-.185856	1777906	2799200	0	559.8606
1993	4	4278898	1.357192E+13	7.354296E+14	2.317385E+14	2.338802E+14	9.166573E+11	2376051	3442475	1295389	1377253	846068.5	993395.4	9.375E-08	-.185856	1777046	2795020	0	568.3231
1993	5	4526431	7.666137E+10	5.03909E+14	7.409938E+10	2.341712E+14	2.33985E+08	2375560	3437763	1294418	1370227	845570	990367.4	9.375E-08	-.185856	1776162	2790722	0	570.6151
1993	6	4777590	1.35115E+11	5.045635E+14	4.292114E+11	2.347248E+14	9.932753E+08	2375093	3433283	1293504	1363621	845089.8	987451.5	9.375E-08	-.185856	1775308	2786576	0	572.9406
1993	7	5033741	2.494358E+11	5.057542E+14	9.231623E+11	2.354182E+14	2.346024E+09	2374620	3428741	1292589	1356999	844596.2	984453.9	9.375E-08	-.185856	1774429	2782303	0	575.3124
1993	8	5280004	4.526843E+11	5.079988E+14	1.91549E+12	2.36589E+14	4.891058E+09	2374155	3424281	1291700	1350573	844105	981470.8	9.375E-08	-.185856	1773552	2778042	0	577.5927
1993	9	5519792	7.891803E+11	5.116647E+14	3.359857E+12	2.381843E+14	8.998056E+09	2373713	3420042	1290866	1344538	843632	978598	9.375E-08	-.185856	1772706	2773929	0	579.8129
1993	10	5799194	1.315751E+12	5.173903E+14	5.535645E+12	2.404849E+14	1.539492E+10	2373267	3415756	1290034	1338523	843146	975646.3	9.375E-08	-.185856	1771835	2769693	0	582.4
1993	11	6023802	2.102844E+12	5.260836E+14	8.880945E+12	2.43895E+14	2.512432E+10	2372842	3411681	1289254	1332876	842677.8	972802.4	9.375E-08	-.185856	1770994	2765604	0	584.4797
1994	0	6235921	3.237324E+12	5.385075E+14	1.34763E+13	2.48503E+14	3.898752E+10	2372410	3407541	1288470	1327208	842196.1	969876.8	9.375E-08	-.185856	1770127	2761389	0	586.4437
1994	1	6449441	4.823076E+12	5.558568E+14	1.990963E+13	2.548628E+14	5.832573E+10	2371987	3403473	1287710	1321710	841716.4	966963.8	9.375E-08	-.185856	1769261	2757185	0	588.4208
1994	2	6641363	6.982501E+12	5.792626E+14	2.838428E+13	2.631432E+14	8.434466E+10	2371610	3399857	1287042	1316881	841285	964343.1	9.375E-08	-.185856	1768482	2753396	0	590.1978
1994	3	7070308	9.858896E+12	6.10472E+14	3.967742E+13	2.741253E+14	1.190274E+11	2371207	3395995	1286350	1311875	840811.4	961466.9	9.375E-08	-.185856	1767623	2749220	0	594.1695
1994	4	7932897	1.361701E+13	6.515259E+14	5.44413E+13	2.883939E+14	1.646071E+11	2370843	3392502	1285759	1307606	840361.4	958734.1	9.375E-08	-.185856	1766800	2745220	0	601.2521
1994	5	8161703	1.172852E+11	5.971766E+14	3.054886E+10	2.886402E+14	8.972995E+07	2370473	3388950	1285165	1303308	839899.9	955931.4	9.375E-08	-.185856	1765954	2741108	0	602.4823
1994	6	8394738	1.755867E+11	5.974744E+14	2.605895E+11	2.890695E+14	4.624632E+08	2370119	3385557	1284604	1299245	839456	953234.7	9.375E-08	-.185856	1765137	2737141	0	603.7352
1994	7	8632162	2.897501E+11	5.980359E+14	5.349331E+11	2.895441E+14	1.049666E+09	2369758	3382097	1284037	1295148	838999.9	950464.4	9.375E-08	-.185856	1764296	2733054	0	605.0116
1994	8	8859697	4.928412E+11	5.989502E+14	9.462666E+11	2.901454E+14	1.989574E+09	2369403	3378681	1283484	1291149	838546.4	947709.8	9.375E-08	-.185856	1763458	2728981	0	606.2349
1994	9	9081362	8.291851E+11	6.005315E+14	1.611479E+12	2.90974E+14	3.593937E+09	2369062	3375417	1282962	1287371	838109.9	945058.7	9.375E-08	-.185856	1762650	2725050	0	607.4267
1994	10	9342036	1.355599E+12	6.031756E+14	2.792072E+12	2.922907E+14	6.34158E+09	2368716	3372093	1282438	1283580	837661.8	942336.8	9.375E-08	-.185856	1761817	2721003	0	608.8281
1994	11	9548521	2.142539E+12	6.070206E+14	4.353036E+12	2.939478E+14	1.024653E+10	2368385	3368916	1281942	1279997	837230.3	939716.8	9.375E-08	-.185856	1761013	2717097	0	609.9383
1995	0	9741913	3.276862E+12	6.125628E+14	6.530219E+12	2.96179E+14	1.585415E+10	2368047	3365672	1281442	1276378	836786.9	937022.9	9.375E-08	-.185856	1760185	2713072	0	610.978
1995	1	9936706	4.862457E+12	6.203871E+14	9.528986E+12	2.991655E+14	2.374747E+10	2367713	3362465	1280953	1272843	836345.4	934342.3	9.375E-08	-.185856	1759359	2709058	0	612.0253
1995	2	1.011171E+07	7.02174E+12	6.311216E+14	1.368571E+13	3.032012E+14	3.464247E+10	2367414	3359599	1280521	1269717	835948.6	931932.1	9.375E-08	-.185856	1758615	2705441	0	612.9662
1995	3	1.052193E+07	9.897977E+12	6.454649E+14	1.906106E+13	3.083726E+14	4.910591E+10	2367092	3356505	1280067	1266431	835513.9	929291.4	9.375E-08	-.185856	1757795	2701458	0	615.1717
1995	4	1.13664E+07	1.365594E+13	6.646747E+14	2.62814E+13	3.152328E+14	6.853189E+10	2366796	3353666	1279675	1263600	835102.1	926791	9.375E-08	-.185856	1757011	2697647	0	619.7118
1995	5	1.15847E+07	1.545657E+11	6.384843E+14	3.112411E+10	3.154775E+14	8.956682E+07	2366495	3350785	1279285	1260776	834679.9	924226.8	9.375E-08	-.185856	1756205	2693729	0	620.8855
1995	6	1.180758E+07	2.127818E+11	6.387787E+14	1.406697E+11	3.157858E+14	3.735909E+08	2366209	3348037	1278920	1258135	834273.7	921760	9.375E-08	-.185856	1755427	2689950	0	622.0837
1995	7	1.203451E+07	3.26857E+11	6.394286E+14	5.032606E+11	3.163373E+14	1.089784E+09	2365918	3345242	1278556	1255503	833856.6	919226.6	9.375E-08	-.185856	1754626	2686056	0	623.3038
1995	8	1.225154E+07	5.2986E+11	6.405412E+14	9.769805E+11	3.16983E+14	2.201843E+09	2365631	3342488	1278205	1252964	833441.8	916707.9	9.375E-08	-.185856	1753828	2682175	0	624.4706
1995	9	1.246305E+07	8.661185E+11	6.423309E+14	1.69846E+12	3.178425E+14	3.978583E+09	2365357	3339863	1277877	1250594	833042.8	914284.6	9.375E-08	-.185856	1753057	2678430	0	625.6078
1995	10	1.271323E+07	1.392444E+12	6.452085E+14	2.813784E+12	3.190598E+14	6.816004E+09	2365079	3337198	1277553	1248252	832633.3	911797.4	9.375E-08	-.185856	1752264	2674574	0	626.9528
1995	11	1.290955E+07	2.179299E+12	6.49589E+14	4.587198E+12	3.208665E+14	1.121077E+10	2364814	3334656	1277251	1246066	832239.1	909403.6	9.375E-08	-.185856	1751498	2670853	0	628.0084

1996	0	1.309245E+07	3.313534E+12	6.558761E+14	6.975191E+12	3.232211E+14	1.741257E+10	2364543	3332063	1276949	1243885	831833.8	906942.4	9.375E-08	-.185856	1750709	2667017	0	628.9916
1996	1	1.327674E+07	4.89904E+12	6.646166E+14	1.022508E+13	3.263412E+14	2.601631E+10	2364277	3329506	1276659	1241782	831430.8	904493.9	9.375E-08	-.185856	1749922	2663192	0	629.9825
1996	2	1.344818E+07	7.058288E+12	6.764778E+14	1.456541E+13	3.304149E+14	3.767153E+10	2364031	3327147	1276396	1239881	831055.4	902214.6	9.375E-08	-.185856	1749187	2659623	0	630.9042
1996	3	1.38479E+07	9.934438E+12	6.924721E+14	2.046904E+13	3.358996E+14	5.344549E+10	2363776	3324700	1276138	1238019	830658.6	899805	9.375E-08	-.185856	1748407	2655828	0	633.0532
1996	4	1.46822E+07	1.369231E+13	7.137006E+14	2.8259E+13	3.430518E+14	7.435579E+10	2363545	3322484	1275936	1236557	830283.6	897527.2	9.375E-08	-.185856	1747660	2652197	0	637.5387
1996	5	1.489037E+07	1.902749E+11	6.855319E+14	3.17534E+10	3.432952E+14	8.943466E+07	2363311	3320243	1275740	1235138	829899.1	895191.8	9.375E-08	-.185856	1746892	2648465	0	638.6579
1996	6	1.510344E+07	2.484086E+11	6.858351E+14	1.448425E+11	3.436024E+14	3.735003E+08	2363089	3318111	1275562	1233851	829529.3	892945.6	9.375E-08	-.185856	1746151	2644865	0	639.8034
1996	7	1.532023E+07	3.623986E+11	6.863892E+14	3.543955E+11	3.439996E+14	8.999461E+08	2362864	3315951	1275391	1232613	829149.6	890639.5	9.375E-08	-.185856	1745388	2641157	0	640.9689
1996	8	1.552712E+07	5.653165E+11	6.87487E+14	7.655412E+11	3.445712E+14	1.933675E+09	2362643	3313829	1275232	1231462	828772.1	888347.2	9.375E-08	-.185856	1744627	2637460	0	642.0813
1996	9	1.572882E+07	9.014926E+11	6.893956E+14	1.593293E+12	3.455097E+14	3.825776E+09	2362433	3311814	1275089	1230429	828409.1	886142.3	9.375E-08	-.185856	1743893	2633892	0	643.1657
1996	10	1.596886E+07	1.427733E+12	6.923713E+14	2.75472E+12	3.467271E+14	6.666747E+09	2362220	3309775	1274955	1229463	828036.6	883880	9.375E-08	-.185856	1743138	2630219	0	644.4562
1996	11	1.615537E+07	2.214505E+12	6.96789E+14	4.414066E+12	3.483811E+14	1.087556E+10	2362018	3307838	1274836	1228603	827678.2	881703.1	9.375E-08	-.185856	1742408	2626675	0	645.459
1997	0	1.632813E+07	3.348655E+12	7.032473E+14	6.80605E+12	3.506639E+14	1.700522E+10	2361813	3305866	1274723	1227783	827309.8	879465.2	9.375E-08	-.185856	1741656	2623021	0	646.3878
1997	1	1.650228E+07	4.934076E+12	7.122468E+14	1.009113E+13	3.537131E+14	2.55395E+10	2361611	3303930	1274619	1227032	826943.2	877239.4	9.375E-08	-.185856	1740907	2619377	0	647.3241
1997	2	1.665865E+07	7.093202E+12	7.24522E+14	1.463846E+13	3.578401E+14	3.725829E+10	2361432	3302209	1274535	1226423	826613.8	875238.8	9.375E-08	-.185856	1740231	2616093	0	648.1648
1997	3	1.704823E+07	9.969267E+12	7.408744E+14	2.054329E+13	3.631432E+14	5.276373E+10	2361240	3300370	1274460	1225881	826253.2	873048.8	9.375E-08	-.185856	1739488	2612482	0	650.176
1997	4	1.787273E+07	1.372706E+13	7.624735E+14	2.861902E+13	3.703469E+14	7.346346E+10	2361060	3298640	1274392	1225390	825910.2	870965.8	9.375E-08	-.185856	1738789	2609084	0	653.1851
1997	5	1.8072E+07	2.244723E+11	7.340158E+14	1.788914E+11	3.707316E+14	2.381863E+08	2360875	3296870	1274323	1224891	825557.8	868825.9	9.375E-08	-.185856	1738073	2605606	0	653.9124
1997	6	1.827645E+07	2.825337E+11	7.341202E+14	2.755525E+11	3.710313E+14	3.621007E+08	2360698	3295172	1274257	1224416	825218.3	866764.3	9.375E-08	-.185856	1737386	2602264	0	654.6586
1997	7	1.848434E+07	3.96449E+11	7.344218E+14	5.687436E+11	3.715218E+14	7.529683E+08	2360516	3293431	1274186	1223901	824869.1	864643.8	9.375E-08	-.185856	1736680	2598835	0	655.4173
1997	8	1.868234E+07	5.992921E+11	7.348178E+14	9.545117E+11	3.720997E+14	1.229579E+09	2360336	3291704	1274116	1223395	824521.5	862532.8	9.375E-08	-.185856	1735980	2595432	0	656.14
1997	9	1.887543E+07	9.353959E+11	7.353051E+14	1.326128E+12	3.726516E+14	1.748724E+09	2360163	3290045	1274050	1222913	824186.6	860498.1	9.375E-08	-.185856	1735307	2592162	0	656.8446
1997	10	1.910657E+07	1.461561E+12	7.360914E+14	1.920745E+12	3.734167E+14	2.564424E+09	2359985	3288342	1273982	1222425	823842.2	858406.4	9.375E-08	-.185856	1734618	2588811	0	657.6882
1997	11	1.928447E+07	2.248262E+12	7.371932E+14	2.694064E+12	3.743362E+14	3.688797E+09	2359815	3286705	1273918	1221960	823510.3	856390.4	9.375E-08	-.185856	1733955	2585590	0	658.3375
1998	0	1.944833E+07	3.382337E+12	7.386353E+14	3.5307E+12	3.753089E+14	5.003515E+09	2359640	3285026	1273852	1221486	823168.4	854314.4	9.375E-08	-.185856	1733275	2582282	0	658.9355
1998	1	1.961359E+07	4.967683E+12	7.406834E+14	4.701487E+12	3.765831E+14	6.901325E+09	2359466	3283358	1273788	1221020	822827.9	852246.3	9.375E-08	-.185856	1732598	2578994	0	659.5386
1998	2	1.976192E+07	7.126742E+12	7.433177E+14	6.013313E+12	3.779485E+14	9.187833E+09	2359310	3281861	1273730	1220604	822521.4	850384.7	9.375E-08	-.185856	1731991	2576042	0	660.08
1998	3	2.01426E+07	1.000273E+13	7.469084E+14	7.779468E+12	3.797388E+14	1.232869E+10	2359140	3280229	1273669	1220160	822184.8	848340.8	9.375E-08	-.185856	1731327	2572819	0	661.4694
1998	4	2.095849E+07	1.376045E+13	7.518769E+14	1.031751E+13	3.822202E+14	1.679394E+10	2358981	3278699	1273614	1219764	821865	846398.6	9.375E-08	-.185856	1730706	2569797	0	664.447
1998	5	2.115135E+07	2.56759E+11	7.417629E+14	1.94758E+11	3.826153E+14	2.862889E+08	2358817	3277134	1273552	1219313	821536.6	844403.9	9.375E-08	-.185856	1730069	2566703	0	665.1509
1998	6	2.134961E+07	3.147683E+11	7.419445E+14	3.218007E+11	3.829371E+14	4.880679E+08	2358661	3275633	1273493	1218887	821220.2	842482.6	9.375E-08	-.185856	1729458	2563734	0	665.8745
1998	7	2.155109E+07	4.286298E+11	7.423466E+14	6.567824E+11	3.834586E+14	9.713896E+08	2358501	3274096	1273433	1218455	820894.8	840506.3	9.375E-08	-.185856	1728832	2560689	0	666.6098
1998	8	2.174269E+07	6.314191E+11	7.428877E+14	1.102043E+12	3.84081E+14	1.581633E+09	2358342	3272572	1273375	1218033	820570.9	838538.9	9.375E-08	-.185856	1728210	2557669	0	667.3091
1998	9	2.192957E+07	9.674708E+11	7.436202E+14	1.563421E+12	3.846991E+14	2.330222E+09	2358189	3271104	1273319	1217633	820258.8	836643.4	9.375E-08	-.185856	1727613	2554768	0	667.9911
1998	10	2.215431E+07	1.493582E+12	7.447224E+14	2.27937E+12	3.855551E+14	3.425475E+09	2358033	3269602	1273264	1217230	819937.9	834694.8	9.375E-08	-.185856	1727003	2551798	0	668.8113
1998	11	2.232601E+07	2.280231E+12	7.461647E+14	3.062183E+12	3.864489E+14	4.775561E+09	2357883	3268161	1273211	1216849	819628.8	832816.9	9.375E-08	-.185856	1726415	2548944	0	669.438
1999	0	2.248347E+07	3.414252E+12	7.481994E+14	4.1693E+12	3.876371E+14	6.653839E+09	2357729	3266682	1273158	1216461	819310.5	830883.7	9.375E-08	-.185856	1725813	2546016	0	670.0126
1999	1	2.264232E+07	4.999544E+12	7.509346E+14	5.579664E+12	3.890854E+14	9.13002E+09	2357575	3265215	1273105	1216082	818993.4	828958.1	9.375E-08	-.185856	1725214	2543106	0	670.5924
1999	2	2.278487E+07	7.158555E+12	7.544489E+14	7.201863E+12	3.90677E+14	1.22054E+10	2357438	3263898	1273059	1215745	818708	827224.9	9.375E-08	-.185856	1724677	2540494	0	671.1127
1999	3	2.315914E+07	1.003449E+13	7.590964E+14	9.332917E+12	3.927298E+14	1.625799E+10	2357289	3262466	1273010	1215390	818394.8	825322.8	9.375E-08	-.185856	1724091	2537647	0	672.4786
1999	4	2.396883E+07	1.379216E+13	7.654148E+14	1.233846E+13	3.955461E+14	2.187633E+10	2357149	3261127	1272953	1214982	818097.6	823517.4	9.375E-08	-.185856	1723544	2534988	0	675.4337
1999	5	2.415545E+07	2.880994E+11	7.531931E+14	1.568064E+11	3.959097E+14	1.881356E+08	2357007	3259760	1272896	1214572	817792.4	821663.5	9.375E-08	-.185856	1722984	2532267	0	676.1147
1999	6	2.434766E+07	3.460579E+11	7.533078E+14	2.617024E+11	3.962143E+14	3.489111E+08	2356870	3258450	1272843	1214187	817498.3	819877.6	9.375E-08	-.185856	1722447	2529657	0	676.8163
1999	7	2.454289E+07	4.59867E+11	7.536088E+14	5.432331E+11	3.966912E+14	7.197773E+08	2356730	3257102	1272790	1213802	817195.9	818041.2	9.375E-08	-.185856	1721897	2526985	0	677.5288
1999	8	2.472824E+07	6.626038E+11	7.5399E+14	7.949796E+11	3.971328E+14	1.134276E+09	2356591	3255768	1272738	1213428	816894.9	816213.4	9.375E-08	-.185856	1721352	2524335	0	678.2053
1999	9	2.490908E+07	9.986047E+11	7.547011E+14	1.276056E+12	3.977764E+14	1.863326E+09	2356457	3254488	1272690	1213078	816605.1	814452.4	9.375E-08	-.185856	1720829	2521792	0	678.8652
1999	10	2.512756E+07	1.524664E+12	7.557927E+14	1.943529E+12	3.985888E+14	2.964013E+09	2356321	3253181	1272642	1212730	816307.1	812642.8	9.375E-08	-.185856	1720293	2519190	0	679.6627
1999	11	2.529322E+07	2.311262E+12	7.572743E+14	2.672569E+12	3.994319E+14	4.303045E+09	2356190	3251927	1272596	1212402	816019.9	810899.1	9.375E-08	-.185856	1719780	2516693	0	680.2672
2000	0	2.544443E+07	3.44523E+12	7.594621E+14	3.75304E+12	4.005883E+14	6.312942E+09	2356056	3250643	1272551	1212074	815724.4	809104.4	9.375E-08	-.185856	1719252	2514130	0	680.8191
2000	1	2.559703E+07	5.03047E+12	7.6238E+14	5.006988E+12	4.018726E+14	8.822826E+09	2355923	3249368	1272507	1211755	815430	807316.3	9.375E-08	-.185856	1718729	2511586	0	681.376
2000	2	2.573882E+07	7.189469E+12	7.663434E+14	6.714877E+12	4.035317E+14	1.224367E+10	2355800	3248186	1272467	1211465	815155.5	805649.7	9.375E-08	-.185856	1718243	2509223	0	681.8935
2000	3	2.610685E+07	1.006535E+13	7.716356E+14	8.910212E+12	4.056074E+14	1.678503E+10	2355670	3246939	1272427	1211178	814865	803885.3	9.375E-08	-.185856	1717732	2506742	0	683.2367
2000	4	2.691049E+07	1.382297E+13	7.787978E+14	1.20211E+13	4.084692E+14	2.303767E+10	2355550	3245786	1272427	1211178	814589.6	802212.8	9.375E-08	-.185856	1717258	2504434	0	686.1697
2000	5	2.7091E+07	3.186023E+11	7.668386E+14	2.758484E+10	4.087053E+14	8.047701E+07	2355427	3244609	1272427	1211178	814306.8	800494.9	9.375E-08	-.185856	1716772	2502075	0	686.8285
2000	6	2.72773E+07	3.765111E+11	7.670853E+14	2.312362E+11	4.090988E+14	3.687366E+08	2355309	3243475	1272427	1211178	814034.4	798840.9	9.375E-08	-.185856	1716307	2499815	0	687.5084
2000	7	2.746643E+07	4.902689E+11	7.674116E+14	4.048693E+11	4.094625E+14	7.017603E+08	2355188	3242316	1272427	1211178	813754.4	797140.4	9.375E-08	-.185856	1715831	2497502	0	688.1987
2000	8	2.764568E+07	6.929544E+11	7.680693E+14	8.079868E+11	4.100333E+14	1.350122E+09	2355069	3241170	1272427	1211178	813475.8	795447.8	9.375E-08	-.185856	1715360	2495211	0	688.8528
2000	9	2.782061E+07	1.028906E+12	7.691079E+14	1.397743E+12	4.107567E+14	2.370288E+09	2354954	3240073	1272427	1211178	813207.4	793817.7	9.375E-08	-.185856	1714908	2493015	0	689.4913

2000	10	2.803299E+07	1.554914E+12	7.705383E+14	2.048807E+12	4.115207E+14	3.626368E+09	2354838	3238954	1272427	1211178	812931.7	792143.1	9.375E-08	-.185856	1714446	2490771	0	690.2664			
2000	11	2.819274E+07	2.341462E+12	7.726801E+14	3.053242E+12	4.125812E+14	5.557549E+09	2354726	3237882	1272427	1211178	812666	790529.7	9.375E-08	-.185856	1714003	2488618	0	690.8494			
2001	0	2.833783E+07	3.475379E+12	7.755581E+14	4.232424E+12	4.137714E+14	7.986506E+09	2354611	3236784	1272427	1211178	812392.6	788868.7	9.375E-08	-.185856	1713549	2486412	0	691.379			
2001	1	2.848433E+07	5.060567E+12	7.794901E+14	5.867675E+12	4.153445E+14	1.132928E+10	2354498	3235696	1272427	1211178	812120.2	787214.6	9.375E-08	-.185856	1713099	2484223	0	691.9136			
2001	2	2.861572E+07	7.219485E+12	7.845636E+14	7.80953E+12	4.171226E+14	1.554368E+10	2354396	3234722	1272427	1211178	811875.1	785726.1	9.375E-08	-.185856	1712695	2482260	0	692.3931			
2001	3	2.897765E+07	1.009532E+13	7.912495E+14	1.038392E+13	4.194411E+14	2.110558E+10	2354285	3233660	1272427	1211178	811606.5	784094.8	9.375E-08	-.185856	1712257	2480131	0	693.7141			
2001	4	2.977538E+07	1.385289E+13	8.001108E+14	1.397489E+13	4.226614E+14	2.859819E+10	2354184	3232685	1272427	1211178	811352.1	782550.1	9.375E-08	-.185856	1711852	2478163	0	696.6255			
2001	5	2.994994E+07	3.483162E+11	7.862489E+14	1.562835E+11	4.229759E+14	1.901313E+08	2354080	3231692	1272427	1211178	811090.9	780964.3	9.375E-08	-.185856	1711439	2476154	0	697.2626			
2001	6	3.013049E+07	4.061767E+11	7.86432E+14	2.778932E+11	4.232895E+14	4.170693E+08	2353980	3230734	1272427	1211178	810839.6	779437.8	9.375E-08	-.185856	1711043	2474231	0	697.9215			
2001	7	3.031367E+07	5.198845E+11	7.868065E+14	5.77404E+11	4.237751E+14	8.541066E+08	2353878	3229757	1272427	1211178	810581.4	777868.9	9.375E-08	-.185856	1710639	2472266	0	698.59			
2001	8	3.048697E+07	7.225201E+11	7.873778E+14	8.834274E+11	4.242512E+14	1.390521E+09	2353777	3228791	1272427	1211178	810324.3	776307.5	9.375E-08	-.185856	1710239	2470323	0	699.2225			
2001	9	3.065614E+07	1.058423E+12	7.8838E+14	1.45106E+12	4.249497E+14	2.377949E+09	2353681	3227869	1272427	1211178	810076.8	774804	9.375E-08	-.185856	1709856	2468462	0	699.84			
2001	10	3.086258E+07	1.584381E+12	7.897789E+14	2.079567E+12	4.256853E+14	3.593684E+09	2353583	3226925	1272427	1211178	809823.1	773263.1	9.375E-08	-.185856	1709463	2466552	0	700.4212			
2001	11	3.101657E+07	2.370881E+12	7.918209E+14	2.917649E+12	4.265741E+14	5.293358E+09	2353488	3226018	1272427	1211178	809579.1	771781.1	9.375E-08	-.185856	1709085	2464712	0	700.8201			
2002	0	3.115573E+07	3.504748E+12	7.947434E+14	4.155448E+12	4.278035E+14	7.755137E+09	2353391	3225087	1272427	1211178	809328.4	770258.7	9.375E-08	-.185856	1708695	2462817	0	701.1807			
2002	1	3.129628E+07	5.089886E+12	7.986204E+14	5.639461E+12	4.292047E+14	1.092268E+10	2353295	3224161	1272427	1211178	809079.3	768745.6	9.375E-08	-.185856	1708306	2460929	0	701.5447			
2002	2	3.14223E+07	7.248758E+12	8.036885E+14	7.496182E+12	4.308679E+14	1.49611E+10	2353208	3223329	1272427	1211178	808855.6	767386.3	9.375E-08	-.185856	1707957	2459229	0	701.8712			
2002	3	3.177827E+07	1.012454E+13	8.102381E+14	9.826905E+12	4.329124E+14	2.011323E+10	2353113	3222422	1272427	1211178	808611.6	765903.9	9.375E-08	-.185856	1707573	2457364	0	702.7935			
2002	4	3.257025E+07	1.388206E+13	8.187833E+14	1.292401E+13	4.355648E+14	2.688121E+10	2353024	3221565	1272427	1211178	808383.2	764517.5	9.375E-08	-.185856	1707209	2455598	0	704.8452			
2002	5	3.274014E+07	3.772426E+11	8.059709E+14	1.56129E+11	4.35926E+14	1.913434E+08	2352932	3220687	1272427	1211178	808149.5	763098	9.375E-08	-.185856	1706836	2453784	0	705.2853			
2002	6	3.291616E+07	4.350651E+11	8.060687E+14	2.529957E+11	4.362213E+14	3.1623E+08	2352844	3219845	1272427	1211178	807925	761734.7	9.375E-08	-.185856	1706477	2452037	0	705.7413			
2002	7	3.309467E+07	5.487337E+11	8.061709E+14	3.514255E+11	4.36525E+14	4.424348E+08	2352754	3218981	1272427	1211178	807694.9	760337.7	9.375E-08	-.185856	1706107	2450241	0	706.2038			
2002	8	3.326329E+07	7.5133E+11	8.063052E+14	4.666006E+11	4.368425E+14	6.160685E+08	2352665	3218125	1272427	1211178	807466.7	758951.6	9.375E-08	-.185856	1705739	2448453	0	706.6407			
2002	9	3.342795E+07	1.087195E+12	8.065769E+14	7.506707E+11	4.373139E+14	9.414531E+08	2352579	3217303	1272427	1211178	807247.5	757620	9.375E-08	-.185856	1705385	2446730	0	707.0672			
2002	10	3.36297E+07	1.613114E+12	8.068257E+14	9.688492E+11	4.377283E+14	1.19082E+09	2352491	3216461	1272427	1211178	807023.1	756257.1	9.375E-08	-.185856	1705021	2444960	0	707.5899			
2002	11	3.377918E+07	2.399575E+12	8.071182E+14	1.205211E+12	4.38152E+14	1.454264E+09	2352407	3215653	1272427	1211178	806807.6	754947.6	9.375E-08	-.185856	1704670	2443255	0	707.9771			
2003	0	3.391365E+07	3.533403E+12	8.074945E+14	1.478173E+12	4.386141E+14	1.749614E+09	2352321	3214823	1272427	1211178	806586.1	753602.6	9.375E-08	-.185856	1704309	2441500	0	708.3255			
2003	1	3.404953E+07	5.118503E+12	8.079304E+14	1.774274E+12	4.390974E+14	2.058979E+09	2352235	3213999	1272427	1211178	806366.1	752266.4	9.375E-08	-.185856	1703949	2439752	0	708.6776			
2003	2	3.417132E+07	7.277339E+12	8.084615E+14	2.111268E+12	4.395961E+14	2.42788E+09	2352158	3213259	1272427	1211178	806168.7	751066.8	9.375E-08	-.185856	1703625	2438177	0	708.993			
2003	3	3.452263E+07	1.015308E+13	8.093153E+14	2.679403E+12	4.403262E+14	3.047387E+09	2352072	3212440	1272427	1211178	805953.6	749760.7	9.375E-08	-.185856	1703270	2436451	0	709.9032			
2003	4	3.531008E+07	1.391057E+13	8.105205E+14	3.442035E+12	4.412197E+14	3.933075E+09	2351993	3211680	1272427	1211178	805753.3	748544.3	9.375E-08	-.185856	1702934	2434817	0	711.9432			
2003	5	3.547594E+07	4.05042E+11	8.070911E+14	3.315622E+09	4.414339E+14	2.411763E+07	2351912	3210902	1272427	1211178	805548.4	747300	9.375E-08	-.185856	1702589	2433141	0	712.3729			
2003	6	3.564805E+07	4.628317E+11	8.071056E+14	7.288262E+09	4.416419E+14	4.670313E+07	2351834	3210156	1272427	1211178	805351.9	746106.6	9.375E-08	-.185856	1702256	2431527	0	712.8188			
2003	7	3.582252E+07	5.764663E+11	8.072556E+14	1.821124E+11	4.420181E+14	2.578355E+08	2351755	3209392	1272427	1211178	805150.6	744884.1	9.375E-08	-.185856	1701915	2429868	0	713.2708			
2003	8	3.598711E+07	7.790288E+11	8.073627E+14	2.826426E+11	4.423231E+14	3.851868E+08	2351676	3208635	1272427	1211178	804951.1	743672.3	9.375E-08	-.185856	1701575	2428217	0	713.6971			
2003	9	3.614785E+07	1.114861E+12	8.075049E+14	4.010031E+11	4.42636E+14	5.606548E+08	2351600	3207909	1272427	1211178	804759.7	742509.6	9.375E-08	-.185856	1701248	2426627	0	714.1136			
2003	10	3.634558E+07	1.640746E+12	8.076908E+14	5.369967E+11	4.42971E+14	7.20455E+08	2351523	3207167	1272427	1211178	804563.9	741320.4	9.375E-08	-.185856	1700912	2424993	0	714.6259			
2003	11	3.649114E+07	2.427175E+12	8.080047E+14	8.376764E+11	4.434566E+14	1.057172E+09	2351448	3206454	1272427	1211178	804375.9	740178.7	9.375E-08	-.185856	1700588	2423419	0	715.0029			
2004	0	3.662158E+07	3.560969E+12	8.083175E+14	1.08133E+12	4.438929E+14	1.3227E+09	2351372	3205723	1272427	1211178	804183	739007.4	9.375E-08	-.185856	1700255	2421799	0	715.3409			
2004	1	3.675342E+07	5.146034E+12	8.088349E+14	1.399771E+12	4.443878E+14	1.702708E+09	2351295	3204982	1272427	1211178	803991.5	737843.9	9.375E-08	-.185856	1699923	2420186	0	715.6824			
2004	2	3.687579E+07	7.30487E+12	8.095315E+14	1.778823E+12	4.449169E+14	2.177466E+09	2351223	3204294	1272427	1211178	803813.5	736762.9	9.375E-08	-.185856	1699613	2418683	0	715.9995			
2004	3	3.722306E+07	1.018058E+13	8.105957E+14	2.290362E+12	4.455619E+14	2.899623E+09	2351148	3203573	1272427	1211178	803626.8	735629.1	9.375E-08	-.185856	1699286	2417092	0	716.8991			
2004	4	3.80066E+07	1.393803E+13	8.12237E+14	3.117639E+12	4.464711E+14	4.077552E+09	2351078	3202906	1272427	1211178	803454.1	734579.9	9.375E-08	-.185856	1698977	2415589	0	718.929			
2004	5	3.816849E+07	4.323023E+11	8.092286E+14	1.558547E+11	4.468312E+14	1.940363E+08	2351007	3202225	1272427	1211178	803277.5	733507.8	9.375E-08	-.185856	1698659	2414046	0	719.3484			
2004	6	3.833676E+07	4.900597E+11	8.093252E+14	2.53122E+11	4.471254E+14	3.199252E+08	2350939	3201573	1272427	1211178	803108.3	732479.9	9.375E-08	-.185856	1698354	2412562	0	719.7844			
2004	7	3.850726E+07	6.03661E+11	8.094254E+14	3.516055E+11	4.474277E+14	4.469896E+08	2350870	3200906	1272427	1211178	802935.2	731428.8	9.375E-08	-.185856	1698040	2411037	0	720.2261			
2004	8	3.866787E+07	8.061901E+11	8.095772E+14	4.748589E+11	4.4775E+14	5.994122E+08	2350801	3200246	1272427	1211178	802763.8	730387.3	9.375E-08	-.185856	1697728	2409520	0	720.6422			
2004	9	3.882477E+07	1.14199E+12	8.098458E+14	7.590697E+11	4.482193E+14	9.282389E+08	2350736	3199613	1272427	1211178	802599.5	729389.2	9.375E-08	-.185856	1697427	2408059	0	721.0486			
2004	10	3.901852E+07	1.667841E+12	8.10116E+14	9.918886E+11	4.486422E+14	1.229107E+09	2350668	3198968	1272427	1211178	802431.8	728370.5	9.375E-08	-.185856	1697118	2406558	0	721.5506			
2004	11	3.916024E+07	2.454238E+12	8.105637E+14	1.286514E+12	4.49105E+14	1.601133E+09	2350602	3198331	1272427	1211178	802270.8	727392.7	9.375E-08	-.185856	1696821	2405112	0	721.9177			
2005	0	3.928671E+07	3.587998E+12	8.111748E+14	1.636636E+12	4.496164E+14	2.068698E+09	2350534	3197679	1272427	1211178	802105.9	726390.6	9.375E-08	-.185856	1696515	2403625	0	722.2454			
2005	1	3.941458E+07	5.173031E+12	8.120862E+14	2.087371E+12	4.50202E+14	2.720511E+09	2350466	3197032	1272427	1211178	801942.3	725396.9	9.375E-08	-.185856	1696211	2402144	0	722.5767			
2005	2	3.952914E+07	7.331806E+12	8.134236E+14	2.678038E+12	4.508694E+14	3.636804E+09	2350406	3196452	1272427	1211178	801795.6	724506.1	9.375E-08	-.185856	1695936	2400812	0	722.8734			
2005	3	3.987244E+07	1.020748E+13	8.154895E+14	3.63655E+12	4.518612E+14	5.154272E+09	2350340	3195824	1272427	1211178	801636.8	723540.9	9.375E-08	-.185856	1695636	2399353	0	723.7628			
2005	4	4.065214E+07	1.39649E+13	8.184152E+14	4.940026E+12	4.531156E+14	7.231761E+09	2350280	3195248	1272427	1211178	801490.7	722653.8	9.375E-08	-.185856	1695353	2397978	0	725.7827			
2005	5	4.081012E+07	4.590126E+11	8.134857E+14	3.047442E+09	4.533286E+14	2.423677E+07	2350219	3194661	1272427	1211178	801341.7	721748.6	9.375E-08	-.185856	1695063	2396567	0	726.192			
2005	6	4.097462E+07	5.167383E+11	8.135132E+14	1.634174E+10	4.535426E+14	9.050796E+07	2350160	3194100	1272427	1211178	801199.3	720882.9	9.375E-08	-.185856	1694784	2395209	0	726.6182			
2005	7	4.114122E+07	6.303068E+11	8.136613E+14	1.912425E+11	4.539175E+14	3.038288E+08	2350100	3193527	1272427	1211178	801053.6	719998.3	9.375E-08	-.185856	1694497	2393814	0	727.0498			

2005	8	4.129794E+07	8.328032E+11	8.137649E+14	2.913278E+11	4.542207E+14	4.31907E+08	2350041	3192960	1272427	1211178	800909.6	719123.6	9.375E-08	-.185856	1694211	2392426	0	727.4558
2005	9	4.145106E+07	1.168571E+12	8.13887E+14	3.994754E+11	4.545238E+14	5.660317E+08	2349985	3192419	1272427	1211178	800771.9	718287	9.375E-08	-.185856	1693936	2391091	0	727.8525
2005	10	4.164092E+07	1.69439E+12	8.141894E+14	5.729315E+11	4.548816E+14	8.08754E+08	2349925	3191844	1272427	1211178	800631.4	717433.7	9.375E-08	-.185856	1693655	2389721	0	728.3444
2005	11	4.177886E+07	2.480755E+12	8.146405E+14	7.953879E+11	4.552679E+14	1.141025E+09	2349868	3191293	1272427	1211178	800496.8	716616.6	9.375E-08	-.185856	1693383	2388402	0	728.7017
2006	0	4.190144E+07	3.614483E+12	8.154933E+14	1.274957E+12	4.558823E+14	1.867979E+09	2349809	3190730	1272427	1211178	800359.1	715780.3	9.375E-08	-.185856	1693104	2387043	0	729.0193
2006	1	4.202541E+07	5.199483E+12	8.166976E+14	1.803153E+12	4.565113E+14	2.724632E+09	2349751	3190172	1272427	1211178	800222.7	714952.1	9.375E-08	-.185856	1692826	2385691	0	729.3405
2006	2	4.213645E+07	7.358228E+12	8.185081E+14	2.532137E+12	4.572626E+14	3.957313E+09	2349699	3189673	1272427	1211178	800100.4	714209.4	9.375E-08	-.185856	1692575	2384475	0	729.6281
2006	3	4.247584E+07	1.023387E+13	8.210705E+14	3.500867E+12	4.582023E+14	5.667013E+09	2349643	3189135	1272427	1211178	799968.8	713409.4	9.375E-08	-.185856	1692302	2383146	0	730.5074
2006	4	4.325177E+07	1.399126E+13	8.247887E+14	4.978301E+12	4.595344E+14	8.244875E+09	2349592	3188647	1272427	1211178	799848.9	712681.5	9.375E-08	-.185856	1692044	2381895	0	732.5175
2006	5	4.340593E+07	4.852391E+11	8.198198E+14	2.918064E+09	4.597469E+14	2.431847E+07	2349540	3188150	1272427	1211178	799726.8	711940.4	9.375E-08	-.185856	1691780	2380612	0	732.9169
2006	6	4.356672E+07	5.429337E+11	8.199646E+14	1.769479E+11	4.601135E+14	2.375947E+08	2349491	3187677	1272427	1211178	799610.2	711231.9	9.375E-08	-.185856	1691527	2379378	0	733.3335
2006	7	4.372949E+07	6.5647E+11	8.200791E+14	2.856089E+11	4.604218E+14	4.111305E+08	2349440	3187195	1272427	1211178	799491.4	710510.6	9.375E-08	-.185856	1691266	2378110	0	733.7552
2006	8	4.388238E+07	8.589341E+11	8.201933E+14	3.914833E+11	4.607287E+14	5.457925E+08	2349391	3186719	1272427	1211178	799374.3	709799.3	9.375E-08	-.185856	1691006	2376849	0	734.1512
2006	9	4.40318E+07	1.194671E+12	8.204889E+14	5.631123E+11	4.610758E+14	7.876876E+08	2349340	3186235	1272427	1211178	799262.3	709118.9	9.375E-08	-.185856	1690757	2375636	0	734.5383
2006	10	4.421782E+07	1.720458E+12	8.2103E+14	9.359969E+11	4.616101E+14	1.292554E+09	2349289	3185743	1272427	1211178	799148.6	708428.1	9.375E-08	-.185856	1690501	2374392	0	735.0203
2006	11	4.435206E+07	2.506791E+12	8.218129E+14	1.328148E+12	4.621307E+14	1.889072E+09	2349240	3185274	1272427	1211178	799039.9	707768	9.375E-08	-.185856	1690255	2373195	0	735.368
2007	0	4.44708E+07	3.640487E+12	8.230546E+14	1.875026E+12	4.62766E+14	2.765063E+09	2349190	3184794	1272427	1211178	798928.6	707092.3	9.375E-08	-.185856	1690001	2371964	0	735.6757
2007	1	4.459094E+07	5.225454E+12	8.248757E+14	2.607772E+12	4.635286E+14	4.000716E+09	2349140	3184320	1272427	1211178	798818.6	706424.5	9.375E-08	-.185856	1689749	2370739	0	735.9869
2007	2	4.469852E+07	7.384171E+12	8.274887E+14	3.600044E+12	4.644493E+14	5.762008E+09	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	736.2656
2007	3	4.4982E+07	1.025924E+13	8.335002E+14	8.298063E+12	4.681449E+14	1.292774E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	4	4.4982E+07	1.400861E+13	8.271504E+14	1.199304E+13	4.635275E+14	1.854663E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	5	4.4982E+07	5.007439E+11	8.124268E+14	2.399432E+09	4.621815E+14	2.327876E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	6	4.4982E+07	5.567414E+11	8.095942E+14	4.704958E+09	4.607693E+14	4.350043E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	7	4.4982E+07	6.685612E+11	8.067479E+14	7.070988E+09	4.593545E+14	6.425294E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	8	4.4982E+07	8.694154E+11	8.040959E+14	9.422438E+09	4.58049E+14	8.487805E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	9	4.4982E+07	1.20358E+12	8.015203E+14	1.168295E+10	4.567791E+14	1.047054E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	10	4.4982E+07	1.727417E+12	7.983262E+14	1.399396E+10	4.551618E+14	1.249742E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	11	4.4982E+07	2.512348E+12	7.960498E+14	1.622902E+10	4.540598E+14	1.445791E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	0	4.4982E+07	3.644807E+12	7.940543E+14	1.853321E+10	4.531236E+14	1.647913E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	1	4.4982E+07	5.228524E+12	7.92045E+14	2.08252E+10	4.521784E+14	1.848965E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	2	4.4982E+07	7.386111E+12	7.90191E+14	2.295928E+10	4.513079E+14	2.036165E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	3	4.4982E+07	1.025829E+13	7.845685E+14	2.511264E+10	4.482962E+14	2.224954E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	4	4.4982E+07	1.400794E+13	7.71864E+14	2.691164E+10	4.412269E+14	2.382456E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	5	4.4982E+07	4.992207E+11	7.692521E+14	2.399432E+09	4.399558E+14	2.346004E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	6	4.4982E+07	5.552235E+11	7.665705E+14	4.704958E+09	4.386214E+14	4.368107E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	7	4.4982E+07	6.670487E+11	7.638758E+14	7.070988E+09	4.372847E+14	6.443294E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	8	4.4982E+07	8.679078E+11	7.613652E+14	9.422438E+09	4.360519E+14	8.505746E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	9	4.4982E+07	1.202077E+12	7.589268E+14	1.168295E+10	4.348527E+14	1.048842E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	10	4.4982E+07	1.72592E+12	7.559028E+14	1.399396E+10	4.33323E+14	1.251523E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	11	4.4982E+07	2.510856E+12	7.537478E+14	1.622902E+10	4.322835E+14	1.447568E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	0	4.4982E+07	3.643318E+12	7.518587E+14	1.853321E+10	4.31402E+14	1.649685E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	1	4.4982E+07	5.227039E+12	7.499566E+14	2.08252E+10	4.30512E+14	1.850732E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	2	4.4982E+07	7.384642E+12	7.482618E+14	2.288586E+10	4.297206E+14	2.031488E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	3	4.4982E+07	1.025683E+13	7.429375E+14	2.503992E+10	4.268624E+14	2.220325E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	4	4.4982E+07	1.400651E+13	7.309067E+14	2.684024E+10	4.201399E+14	2.377914E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	5	4.4982E+07	4.976999E+11	7.284324E+14	2.399432E+09	4.189396E+14	2.365578E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	6	4.4982E+07	5.53708E+11	7.258935E+14	4.704958E+09	4.176786E+14	4.387612E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	7	4.4982E+07	6.655385E+11	7.233422E+14	7.070988E+09	4.164158E+14	6.46273E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	8	4.4982E+07	8.664026E+11	7.209652E+14	9.422438E+09	4.152518E+14	8.525118E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	9	4.4982E+07	1.200577E+12	7.186565E+14	1.168295E+10	4.141193E+14	1.050773E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	10	4.4982E+07	1.724426E+12	7.157935E+14	1.399396E+10	4.126725E+14	1.253447E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	11	4.4982E+07	2.509366E+12	7.137531E+14	1.622902E+10	4.11692E+14	1.449485E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	0	4.4982E+07	3.641832E+12	7.119647E+14	1.853321E+10	4.108624E+14	1.651598E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	1	4.4982E+07	5.225556E+12	7.101639E+14	2.08252E+10	4.100246E+14	1.85264E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	2	4.4982E+07	7.383162E+12	7.085594E+14	2.288586E+10	4.092796E+14	2.033392E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	3	4.4982E+07	1.025536E+13	7.035181E+14	2.503992E+10	4.065671E+14	2.222215E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	4	4.4982E+07	1.400506E+13	6.921259E+14	2.684024E+10	4.001734E+14	2.379774E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	5	4.4982E+07	4.961791E+11	6.897819E+14	2.399432E+09	3.990402E+14	2.386741E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

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2010	6	4.4982E+07	5.521925E+11	6.873781E+14	4.704958E+09	3.978488E+14	4.408702E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	7	4.4982E+07	6.640283E+11	6.849626E+14	7.070988E+09	3.966558E+14	6.483746E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	8	4.4982E+07	8.648973E+11	6.827121E+14	9.422438E+09	3.95557E+14	8.546065E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	9	4.4982E+07	1.199077E+12	6.805264E+14	1.168295E+10	3.944878E+14	1.052861E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	10	4.4982E+07	1.722931E+12	6.778156E+14	1.399396E+10	3.931194E+14	1.255526E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	11	4.4982E+07	2.507876E+12	6.758839E+14	1.622902E+10	3.921949E+14	1.451559E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	0	4.4982E+07	3.640345E+12	6.741908E+14	1.853321E+10	3.914143E+14	1.653666E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	1	4.4982E+07	5.224074E+12	6.724859E+14	2.08252E+10	3.906258E+14	1.854703E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	2	4.4982E+07	7.381683E+12	6.709669E+14	2.288586E+10	3.899249E+14	2.03545E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	3	4.4982E+07	1.02539E+13	6.661934E+14	2.503992E+10	3.873503E+14	2.224259E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	4	4.4982E+07	1.400362E+13	6.55406E+14	2.684024E+10	3.81268E+14	2.381785E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	5	4.4982E+07	4.946585E+11	6.531853E+14	2.399432E+09	3.801983E+14	2.409624E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	6	4.4982E+07	5.506773E+11	6.509094E+14	4.704958E+09	3.790727E+14	4.431505E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	7	4.4982E+07	6.625184E+11	6.486225E+14	7.070988E+09	3.779459E+14	6.506469E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	8	4.4982E+07	8.633924E+11	6.464918E+14	9.422438E+09	3.769088E+14	8.568713E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	9	4.4982E+07	1.197576E+12	6.444224E+14	1.168295E+10	3.758995E+14	1.055119E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	10	4.4982E+07	1.721437E+12	6.418558E+14	1.399396E+10	3.746053E+14	1.257775E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	11	4.4982E+07	2.506386E+12	6.40027E+14	1.622902E+10	3.737338E+14	1.453801E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	0	4.4982E+07	3.638859E+12	6.384241E+14	1.853321E+10	3.729997E+14	1.655903E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	1	4.4982E+07	5.222592E+12	6.3681E+14	2.08252E+10	3.72258E+14	1.856934E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	2	4.4982E+07	7.380192E+12	6.353208E+14	2.295928E+10	3.715753E+14	2.044116E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	3	4.4982E+07	1.025242E+13	6.308016E+14	2.511264E+10	3.691316E+14	2.232848E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	4	4.4982E+07	1.400216E+13	6.205885E+14	2.691164E+10	3.633449E+14	2.390222E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	5	4.4982E+07	4.931358E+11	6.184847E+14	2.399432E+09	3.623355E+14	2.434403E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	6	4.4982E+07	5.491599E+11	6.163301E+14	4.704958E+09	3.612723E+14	4.456196E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	7	4.4982E+07	6.610063E+11	6.14165E+14	7.070988E+09	3.602083E+14	6.531073E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	8	4.4982E+07	8.618854E+11	6.121479E+14	9.422438E+09	3.592296E+14	8.593236E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	9	4.4982E+07	1.196074E+12	6.101889E+14	1.168295E+10	3.582771E+14	1.057563E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	10	4.4982E+07	1.719941E+12	6.077591E+14	1.399396E+10	3.570533E+14	1.260209E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	11	4.4982E+07	2.504894E+12	6.060277E+14	1.622902E+10	3.56232E+14	1.456229E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	0	4.4982E+07	3.637371E+12	6.045104E+14	1.853321E+10	3.555419E+14	1.658324E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	1	4.4982E+07	5.221107E+12	6.029825E+14	2.08252E+10	3.548445E+14	1.859349E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	2	4.4982E+07	7.378723E+12	6.016212E+14	2.288586E+10	3.542248E+14	2.040086E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	3	4.4982E+07	1.025096E+13	5.973418E+14	2.503992E+10	3.519046E+14	2.228862E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	4	4.4982E+07	1.400073E+13	5.8767E+14	2.684024E+10	3.463966E+14	2.386313E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	5	4.4982E+07	4.916154E+11	5.856769E+14	2.399432E+09	3.45444E+14	2.461156E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	6	4.4982E+07	5.476448E+11	5.83637E+14	4.704958E+09	3.444399E+14	4.482856E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	7	4.4982E+07	6.594966E+11	5.815872E+14	7.070988E+09	3.434352E+14	6.557639E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	8	4.4982E+07	8.603807E+11	5.796774E+14	9.422438E+09	3.425119E+14	8.619714E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	9	4.4982E+07	1.194574E+12	5.778228E+14	1.168295E+10	3.416131E+14	1.060203E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	10	4.4982E+07	1.718447E+12	5.755222E+14	1.399396E+10	3.404558E+14	1.262838E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	11	4.4982E+07	2.503404E+12	5.738831E+14	1.622902E+10	3.39682E+14	1.45885E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	0	4.4982E+07	3.635885E+12	5.724467E+14	1.853321E+10	3.390335E+14	1.660939E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	1	4.4982E+07	5.219625E+12	5.710001E+14	2.08252E+10	3.383781E+14	1.861958E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	2	4.4982E+07	7.377244E+12	5.697114E+14	2.288586E+10	3.377958E+14	2.042688E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	3	4.4982E+07	1.024949E+13	5.656593E+14	2.503992E+10	3.355926E+14	2.231445E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	4	4.4982E+07	1.399928E+13	5.56501E+14	2.684024E+10	3.303489E+14	2.388855E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	5	4.4982E+07	4.900952E+11	5.546126E+14	2.399432E+09	3.294502E+14	2.490081E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	6	4.4982E+07	5.461299E+11	5.526812E+14	4.704958E+09	3.28502E+14	4.511681E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	7	4.4982E+07	6.579871E+11	5.507405E+14	7.070988E+09	3.275535E+14	6.586362E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	8	4.4982E+07	8.588761E+11	5.489326E+14	9.422438E+09	3.266825E+14	8.648342E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	9	4.4982E+07	1.193075E+12	5.471766E+14	1.168295E+10	3.258346E+14	1.063056E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	10	4.4982E+07	1.716954E+12	5.449984E+14	1.399396E+10	3.247404E+14	1.26568E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	11	4.4982E+07	2.501915E+12	5.434466E+14	1.622902E+10	3.240114E+14	1.461684E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	0	4.4982E+07	3.6344E+12	5.420868E+14	1.853321E+10	3.234024E+14	1.663766E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	1	4.4982E+07	5.218143E+12	5.407175E+14	2.08252E+10	3.227867E+14	1.864777E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	2	4.4982E+07	7.375765E+12	5.394974E+14	2.288586E+10	3.222397E+14	2.045501E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	3	4.4982E+07	1.024802E+13	5.356607E+14	2.503992E+10	3.201474E+14	2.234238E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2015	4	4.4982E+07	1.399784E+13	5.269884E+14	2.684024E+10	3.15154E+14	2.391603E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	5	4.4982E+07	4.885752E+11	5.251991E+14	2.399432E+09	3.143063E+14	2.521354E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	6	4.4982E+07	5.446153E+11	5.233706E+14	4.704958E+09	3.134111E+14	4.542844E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	7	4.4982E+07	6.564778E+11	5.215332E+14	7.070988E+09	3.125158E+14	6.617415E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	8	4.4982E+07	8.573717E+11	5.198215E+14	9.422438E+09	3.116943E+14	8.679293E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	9	4.4982E+07	1.191575E+12	5.18159E+14	1.168295E+10	3.108945E+14	1.066141E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	10	4.4982E+07	1.71546E+12	5.160969E+14	1.399396E+10	3.0986E+14	1.268753E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	11	4.4982E+07	2.500425E+12	5.146277E+14	1.622902E+10	3.091737E+14	1.464748E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	0	4.4982E+07	3.632914E+12	5.133404E+14	1.853321E+10	3.08602E+14	1.666822E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	1	4.4982E+07	5.216661E+12	5.120441E+14	2.08252E+10	3.080238E+14	1.867826E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	2	4.4982E+07	7.374276E+12	5.108479E+14	2.295928E+10	3.074921E+14	2.054982E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	3	4.4982E+07	1.024654E+13	5.072157E+14	2.511264E+10	3.05505E+14	2.243637E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	4	4.4982E+07	1.399638E+13	4.990048E+14	2.691164E+10	3.007492E+14	2.400836E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	5	4.4982E+07	4.870532E+11	4.973095E+14	2.399432E+09	2.999499E+14	2.555216E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	6	4.4982E+07	5.430985E+11	4.955784E+14	4.704958E+09	2.991049E+14	4.576588E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	7	4.4982E+07	6.549664E+11	4.938391E+14	7.070988E+09	2.9826E+14	6.65104E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	8	4.4982E+07	8.558653E+11	4.922187E+14	9.422438E+09	2.974856E+14	8.712807E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	9	4.4982E+07	1.190073E+12	4.906448E+14	1.168295E+10	2.967314E+14	1.069482E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	10	4.4982E+07	1.713964E+12	4.886925E+14	1.399396E+10	2.957535E+14	1.27208E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	11	4.4982E+07	2.498934E+12	4.873018E+14	1.622902E+10	2.951074E+14	1.468066E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	0	4.4982E+07	3.631426E+12	4.860832E+14	1.853321E+10	2.945711E+14	1.670132E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	1	4.4982E+07	5.215178E+12	4.848561E+14	2.08252E+10	2.940287E+14	1.871127E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	2	4.4982E+07	7.372807E+12	4.837628E+14	2.288586E+10	2.935469E+14	2.051836E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	3	4.4982E+07	1.024508E+13	4.803232E+14	2.503992E+10	2.91659E+14	2.240529E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	4	4.4982E+07	1.399495E+13	4.725475E+14	2.684024E+10	2.871272E+14	2.397791E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	5	4.4982E+07	4.855335E+11	4.709411E+14	2.399432E+09	2.863737E+14	2.591775E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	6	4.4982E+07	5.415842E+11	4.693023E+14	4.704958E+09	2.855761E+14	4.613019E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	7	4.4982E+07	6.534574E+11	4.676555E+14	7.070988E+09	2.847789E+14	6.687342E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	8	4.4982E+07	8.543612E+11	4.661214E+14	9.422438E+09	2.840489E+14	8.74899E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	9	4.4982E+07	1.188574E+12	4.646314E+14	1.168295E+10	2.833379E+14	1.073089E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	10	4.4982E+07	1.712471E+12	4.62783E+14	1.399396E+10	2.824135E+14	1.275673E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	11	4.4982E+07	2.497445E+12	4.614664E+14	1.622902E+10	2.818056E+14	1.471648E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	0	4.4982E+07	3.629941E+12	4.603128E+14	1.853321E+10	2.813028E+14	1.673705E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	1	4.4982E+07	5.213696E+12	4.591512E+14	2.08252E+10	2.80794E+14	1.874691E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	2	4.4982E+07	7.371329E+12	4.581162E+14	2.288586E+10	2.803423E+14	2.055392E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	3	4.4982E+07	1.024362E+13	4.548594E+14	2.503992E+10	2.785485E+14	2.244059E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	4	4.4982E+07	1.39935E+13	4.474962E+14	2.684024E+10	2.742291E+14	2.401264E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	5	4.4982E+07	4.840141E+11	4.45974E+14	2.399432E+09	2.735189E+14	2.631298E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	6	4.4982E+07	5.4007E+11	4.444224E+14	4.704958E+09	2.727662E+14	4.652404E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	7	4.4982E+07	6.519485E+11	4.428633E+14	7.070988E+09	2.720142E+14	6.726589E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	8	4.4982E+07	8.528575E+11	4.41411E+14	9.422438E+09	2.713263E+14	8.788107E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	9	4.4982E+07	1.187075E+12	4.400004E+14	1.168295E+10	2.706562E+14	1.076988E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	10	4.4982E+07	1.710978E+12	4.382504E+14	1.399396E+10	2.697824E+14	1.279556E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	11	4.4982E+07	2.495956E+12	4.370039E+14	1.622902E+10	2.692107E+14	1.47552E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	0	4.4982E+07	3.628456E+12	4.359119E+14	1.853321E+10	2.687395E+14	1.677567E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	1	4.4982E+07	5.212215E+12	4.348122E+14	2.08252E+10	2.682627E+14	1.878544E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	2	4.4982E+07	7.369851E+12	4.338325E+14	2.288586E+10	2.678394E+14	2.059236E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	3	4.4982E+07	1.024215E+13	4.307486E+14	2.503992E+10	2.661347E+14	2.247876E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	4	4.4982E+07	1.399206E+13	4.237762E+14	2.684024E+10	2.620164E+14	2.405019E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	5	4.4982E+07	4.824948E+11	4.223336E+14	2.399432E+09	2.613473E+14	2.674028E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	6	4.4982E+07	5.385561E+11	4.208647E+14	4.704958E+09	2.606372E+14	4.694984E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	7	4.4982E+07	6.5044E+11	4.193887E+14	7.070988E+09	2.599279E+14	6.769019E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	8	4.4982E+07	8.513538E+11	4.180137E+14	9.422438E+09	2.592799E+14	8.830398E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	9	4.4982E+07	1.185577E+12	4.166782E+14	1.168295E+10	2.586484E+14	1.081203E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	10	4.4982E+07	1.709485E+12	4.150214E+14	1.399396E+10	2.578226E+14	1.283755E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	11	4.4982E+07	2.494468E+12	4.138414E+14	1.622902E+10	2.572851E+14	1.479707E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	0	4.4982E+07	3.626971E+12	4.128077E+14	1.853321E+10	2.56844E+14	1.681743E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	1	4.4982E+07	5.210734E+12	4.117667E+14	2.08252E+10	2.563973E+14	1.882709E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2020	2	4.4982E+07	7.368362E+12	4.108061E+14	2.295928E+10	2.559868E+14	2.06983E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	3	4.4982E+07	1.024067E+13	4.078866E+14	2.511264E+10	2.543667E+14	2.258379E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	4	4.4982E+07	1.399061E+13	4.012851E+14	2.691164E+10	2.504395E+14	2.41534E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	5	4.4982E+07	4.809736E+11	3.99918E+14	2.399432E+09	2.498092E+14	2.720291E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	6	4.4982E+07	5.370402E+11	3.985274E+14	4.704958E+09	2.491395E+14	4.741086E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	7	4.4982E+07	6.489294E+11	3.971302E+14	7.070988E+09	2.484707E+14	6.814958E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	8	4.4982E+07	8.498483E+11	3.958285E+14	9.422438E+09	2.478604E+14	8.876185E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	9	4.4982E+07	1.184076E+12	3.945644E+14	1.168295E+10	2.472657E+14	1.085767E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	10	4.4982E+07	1.707991E+12	3.929958E+14	1.399396E+10	2.464853E+14	1.288301E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	11	4.4982E+07	2.492977E+12	3.918789E+14	1.622902E+10	2.459802E+14	1.48424E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	0	4.4982E+07	3.625485E+12	3.909004E+14	1.853321E+10	2.455676E+14	1.686265E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	1	4.4982E+07	5.209251E+12	3.89915E+14	2.08252E+10	2.451495E+14	1.887219E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	2	4.4982E+07	7.366893E+12	3.890371E+14	2.288586E+10	2.447787E+14	2.067892E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	3	4.4982E+07	1.023921E+13	3.862725E+14	2.503992E+10	2.432383E+14	2.25647E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	4	4.4982E+07	1.398917E+13	3.800207E+14	2.684024E+10	2.394911E+14	2.413474E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	5	4.4982E+07	4.794548E+11	3.787251E+14	2.399432E+09	2.388976E+14	2.770234E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	6	4.4982E+07	5.355267E+11	3.774086E+14	4.704958E+09	2.382659E+14	4.790855E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	7	4.4982E+07	6.474212E+11	3.760858E+14	7.070988E+09	2.376355E+14	6.864551E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	8	4.4982E+07	8.48345E+11	3.748535E+14	9.422438E+09	2.37061E+14	8.925615E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	9	4.4982E+07	1.182577E+12	3.736567E+14	1.168295E+10	2.365009E+14	1.090694E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	10	4.4982E+07	1.706498E+12	3.721717E+14	1.399396E+10	2.357635E+14	1.293208E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	11	4.4982E+07	2.491489E+12	3.711143E+14	1.622902E+10	2.352891E+14	1.489133E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	0	4.4982E+07	3.624E+12	3.701881E+14	1.853321E+10	2.349034E+14	1.691146E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	1	4.4982E+07	5.207771E+12	3.692553E+14	2.08252E+10	2.345124E+14	1.892088E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	2	4.4982E+07	7.365416E+12	3.684243E+14	2.288586E+10	2.341657E+14	2.07275E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	3	4.4982E+07	1.023775E+13	3.658065E+14	2.503992E+10	2.327009E+14	2.261293E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	4	4.4982E+07	1.398773E+13	3.598863E+14	2.684024E+10	2.291244E+14	2.418219E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	5	4.4982E+07	4.779362E+11	3.586584E+14	2.399432E+09	2.285658E+14	2.824226E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	6	4.4982E+07	5.340134E+11	3.57412E+14	4.704958E+09	2.279703E+14	4.844658E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	7	4.4982E+07	6.459133E+11	3.561597E+14	7.070988E+09	2.273761E+14	6.918165E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	8	4.4982E+07	8.46842E+11	3.549931E+14	9.422438E+09	2.268354E+14	8.979051E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	9	4.4982E+07	1.181079E+12	3.538601E+14	1.168295E+10	2.263082E+14	1.096021E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	10	4.4982E+07	1.705006E+12	3.524542E+14	1.399396E+10	2.256115E+14	1.298513E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	11	4.4982E+07	2.490002E+12	3.514532E+14	1.622902E+10	2.251662E+14	1.494423E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	0	4.4982E+07	3.622516E+12	3.505764E+14	1.853321E+10	2.248059E+14	1.696423E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	1	4.4982E+07	5.20629E+12	3.496935E+14	2.08252E+10	2.244406E+14	1.897351E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	2	4.4982E+07	7.36394E+12	3.489068E+14	2.288586E+10	2.241167E+14	2.078001E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	3	4.4982E+07	1.023628E+13	3.464282E+14	2.503992E+10	2.227235E+14	2.266507E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	4	4.4982E+07	1.398629E+13	3.40822E+14	2.684024E+10	2.193087E+14	2.423348E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	5	4.4982E+07	4.764179E+11	3.39658E+14	2.399432E+09	2.18783E+14	2.882592E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	6	4.4982E+07	5.325004E+11	3.384781E+14	4.704958E+09	2.182217E+14	4.902819E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	7	4.4982E+07	6.444056E+11	3.372925E+14	7.070988E+09	2.176619E+14	6.976122E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	8	4.4982E+07	8.453394E+11	3.361882E+14	9.422438E+09	2.171532E+14	9.036817E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	9	4.4982E+07	1.179581E+12	3.351155E+14	1.168295E+10	2.166571E+14	1.101779E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	10	4.4982E+07	1.703514E+12	3.337845E+14	1.399396E+10	2.15999E+14	1.304248E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	11	4.4982E+07	2.488514E+12	3.328369E+14	1.622902E+10	2.155811E+14	1.500142E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	0	4.4982E+07	3.621032E+12	3.320069E+14	1.853321E+10	2.152449E+14	1.702127E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	1	4.4982E+07	5.20481E+12	3.311712E+14	2.08252E+10	2.149039E+14	1.903041E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	2	4.4982E+07	7.362452E+12	3.304E+14	2.295928E+10	2.145909E+14	2.090114E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	3	4.4982E+07	1.02348E+13	3.280534E+14	2.511264E+10	2.132658E+14	2.278518E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	4	4.4982E+07	1.398483E+13	3.227454E+14	2.691164E+10	2.100044E+14	2.435153E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	5	4.4982E+07	4.748976E+11	3.216421E+14	2.399432E+09	2.0951E+14	2.945779E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	6	4.4982E+07	5.309854E+11	3.205251E+14	4.704958E+09	2.089811E+14	4.965786E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	7	4.4982E+07	6.42896E+11	3.194028E+14	7.070988E+09	2.084539E+14	7.038866E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	8	4.4982E+07	8.438347E+11	3.183574E+14	9.422438E+09	2.079755E+14	9.099355E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	9	4.4982E+07	1.178082E+12	3.173421E+14	1.168295E+10	2.075089E+14	1.108013E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	10	4.4982E+07	1.70202E+12	3.16082E+14	1.399396E+10	2.068873E+14	1.310457E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	11	4.4982E+07	2.487024E+12	3.151851E+14	1.622902E+10	2.064956E+14	1.506333E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2025	0	4.4982E+07	3.619546E+12	3.143996E+14	1.853321E+10	2.061822E+14	1.708302E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	1	4.4982E+07	5.203328E+12	3.136085E+14	2.08252E+10	2.058642E+14	1.9092E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	2	4.4982E+07	7.360984E+12	3.129037E+14	2.288586E+10	2.055825E+14	2.089824E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	3	4.4982E+07	1.023334E+13	3.106816E+14	2.503992E+10	2.043214E+14	2.278245E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	4	4.4982E+07	1.39834E+13	3.056546E+14	2.684024E+10	2.012047E+14	2.434896E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	5	4.4982E+07	4.733798E+11	3.046088E+14	2.399432E+09	2.007399E+14	3.013988E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	6	4.4982E+07	5.294729E+11	3.035514E+14	4.704958E+09	2.002416E+14	5.033756E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	7	4.4982E+07	6.413888E+11	3.024889E+14	7.070988E+09	1.997453E+14	7.106597E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	8	4.4982E+07	8.423325E+11	3.014993E+14	9.422438E+09	1.992956E+14	9.166862E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	9	4.4982E+07	1.176584E+12	3.005381E+14	1.168295E+10	1.988569E+14	1.114742E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	10	4.4982E+07	1.700529E+12	2.993452E+14	1.399396E+10	1.982699E+14	1.317159E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	11	4.4982E+07	2.485537E+12	2.984961E+14	1.622902E+10	1.979027E+14	1.513016E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	0	4.4982E+07	3.618063E+12	2.977526E+14	1.853321E+10	1.97611E+14	1.714968E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	1	4.4982E+07	5.201848E+12	2.970038E+14	2.08252E+10	1.973148E+14	1.91585E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	2	4.4982E+07	7.359508E+12	2.963367E+14	2.288586E+10	1.970524E+14	2.096458E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	3	4.4982E+07	1.023188E+13	2.942326E+14	2.503992E+10	1.958521E+14	2.284832E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	4	4.4982E+07	1.398196E+13	2.894721E+14	2.684024E+10	1.928727E+14	2.441376E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	5	4.4982E+07	4.718624E+11	2.884807E+14	2.399432E+09	1.924358E+14	3.087715E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	6	4.4982E+07	5.279608E+11	2.874796E+14	4.704958E+09	1.919666E+14	5.107225E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	7	4.4982E+07	6.39882E+11	2.864738E+14	7.070988E+09	1.914994E+14	7.179807E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	8	4.4982E+07	8.408308E+11	2.85537E+14	9.422438E+09	1.910769E+14	9.239831E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	9	4.4982E+07	1.175087E+12	2.846271E+14	1.168295E+10	1.906646E+14	1.122015E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	10	4.4982E+07	1.699038E+12	2.834977E+14	1.399396E+10	1.901103E+14	1.324404E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	11	4.4982E+07	2.48405E+12	2.826939E+14	1.622902E+10	1.897665E+14	1.52024E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	0	4.4982E+07	3.61658E+12	2.819902E+14	1.853321E+10	1.894952E+14	1.722174E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	1	4.4982E+07	5.200369E+12	2.812814E+14	2.08252E+10	1.892196E+14	1.923037E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	2	4.4982E+07	7.358032E+12	2.8065E+14	2.288586E+10	1.889757E+14	2.103629E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	3	4.4982E+07	1.023041E+13	2.786577E+14	2.503992E+10	1.878329E+14	2.291952E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	4	4.4982E+07	1.398052E+13	2.741496E+14	2.684024E+10	1.849834E+14	2.448381E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	5	4.4982E+07	4.703453E+11	2.732096E+14	2.399432E+09	1.84573E+14	3.16741E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	6	4.4982E+07	5.26449E+11	2.72262E+14	4.704958E+09	1.841313E+14	5.186642E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	7	4.4982E+07	6.383756E+11	2.713098E+14	7.070988E+09	1.836917E+14	7.258944E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	8	4.4982E+07	8.393293E+11	2.70423E+14	9.422438E+09	1.832949E+14	9.318707E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	9	4.4982E+07	1.173591E+12	2.695616E+14	1.168295E+10	1.829076E+14	1.129877E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	10	4.4982E+07	1.697547E+12	2.684924E+14	1.399396E+10	1.823843E+14	1.332235E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	11	4.4982E+07	2.482564E+12	2.677316E+14	1.622902E+10	1.820626E+14	1.528048E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	0	4.4982E+07	3.615097E+12	2.670655E+14	1.853321E+10	1.818107E+14	1.729963E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	1	4.4982E+07	5.19889E+12	2.663946E+14	2.08252E+10	1.815546E+14	1.930806E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	2	4.4982E+07	7.356546E+12	2.657757E+14	2.295928E+10	1.8132E+14	2.117814E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	3	4.4982E+07	1.022894E+13	2.638895E+14	2.511264E+10	1.802319E+14	2.306021E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	4	4.4982E+07	1.397907E+13	2.59621E+14	2.691164E+10	1.775058E+14	2.46221E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	5	4.4982E+07	4.688262E+11	2.587298E+14	2.399432E+09	1.771205E+14	3.253679E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	6	4.4982E+07	5.249353E+11	2.578327E+14	4.704958E+09	1.767048E+14	5.27261E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	7	4.4982E+07	6.368672E+11	2.569315E+14	7.070988E+09	1.762914E+14	7.344608E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	8	4.4982E+07	8.378259E+11	2.56092E+14	9.422438E+09	1.759191E+14	9.40409E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	9	4.4982E+07	1.172092E+12	2.552767E+14	1.168295E+10	1.755554E+14	1.138388E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	10	4.4982E+07	1.696055E+12	2.542646E+14	1.399396E+10	1.750615E+14	1.340711E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	11	4.4982E+07	2.481076E+12	2.535445E+14	1.622902E+10	1.747607E+14	1.5365E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	0	4.4982E+07	3.613613E+12	2.52914E+14	1.853321E+10	1.745272E+14	1.738394E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	1	4.4982E+07	5.197409E+12	2.522791E+14	2.08252E+10	1.742897E+14	1.939216E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	2	4.4982E+07	7.355079E+12	2.517135E+14	2.288586E+10	1.740796E+14	2.119771E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	3	4.4982E+07	1.022748E+13	2.499273E+14	2.503992E+10	1.730429E+14	2.307979E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	4	4.4982E+07	1.397763E+13	2.458848E+14	2.684024E+10	1.704331E+14	2.464148E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	5	4.4982E+07	4.673098E+11	2.450398E+14	2.399432E+09	1.700716E+14	3.346792E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	6	4.4982E+07	5.234241E+11	2.441906E+14	4.704958E+09	1.696805E+14	5.365397E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	7	4.4982E+07	6.353614E+11	2.433374E+14	7.070988E+09	1.692919E+14	7.437068E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	8	4.4982E+07	8.36325E+11	2.425428E+14	9.422438E+09	1.689426E+14	9.496245E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	9	4.4982E+07	1.170596E+12	2.41771E+14	1.168295E+10	1.686014E+14	1.147574E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2029	10	4.4982E+07	1.694565E+12	2.408128E+14	1.399396E+10	1.681352E+14	1.34986E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	11	4.4982E+07	2.47959E+12	2.401312E+14	1.622902E+10	1.678543E+14	1.545624E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	0	4.4982E+07	3.612131E+12	2.395345E+14	1.853321E+10	1.676382E+14	1.747494E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	1	4.4982E+07	5.195931E+12	2.389336E+14	2.08252E+10	1.674181E+14	1.948293E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	2	4.4982E+07	7.353604E+12	2.383982E+14	2.288586E+10	1.672236E+14	2.128827E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	3	4.4982E+07	1.022602E+13	2.367069E+14	2.503992E+10	1.662358E+14	2.316971E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	4	4.4982E+07	1.397619E+13	2.328786E+14	2.684024E+10	1.637362E+14	2.472995E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	5	4.4982E+07	4.657937E+11	2.320772E+14	2.399432E+09	1.633972E+14	3.447428E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	6	4.4982E+07	5.219134E+11	2.312734E+14	4.704958E+09	1.630295E+14	5.465681E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	7	4.4982E+07	6.338559E+11	2.304657E+14	7.070988E+09	1.626643E+14	7.536999E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	8	4.4982E+07	8.348244E+11	2.297135E+14	9.422438E+09	1.623369E+14	9.595846E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	9	4.4982E+07	1.1691E+12	2.289829E+14	1.168295E+10	1.620169E+14	1.157502E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	10	4.4982E+07	1.693075E+12	2.280758E+14	1.399396E+10	1.61577E+14	1.359749E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	11	4.4982E+07	2.478104E+12	2.274306E+14	1.622902E+10	1.613149E+14	1.555484E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	0	4.4982E+07	3.610649E+12	2.268659E+14	1.853321E+10	1.611152E+14	1.75733E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	1	4.4982E+07	5.194453E+12	2.262971E+14	2.08252E+10	1.609117E+14	1.958103E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	2	4.4982E+07	7.352129E+12	2.257905E+14	2.288586E+10	1.607319E+14	2.138616E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	3	4.4982E+07	1.022455E+13	2.24189E+14	2.503992E+10	1.597904E+14	2.326689E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	4	4.4982E+07	1.397475E+13	2.205635E+14	2.684024E+10	1.573953E+14	2.482556E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	5	4.4982E+07	4.642781E+11	2.198035E+14	2.399432E+09	1.570776E+14	3.556194E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	6	4.4982E+07	5.20403E+11	2.190425E+14	4.704958E+09	1.567319E+14	5.574066E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	7	4.4982E+07	6.323509E+11	2.18278E+14	7.070988E+09	1.563889E+14	7.645002E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	8	4.4982E+07	8.333243E+11	2.17566E+14	9.422438E+09	1.560822E+14	9.703493E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	9	4.4982E+07	1.167605E+12	2.168744E+14	1.168295E+10	1.557823E+14	1.168232E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	10	4.4982E+07	1.691586E+12	2.160157E+14	1.399396E+10	1.553673E+14	1.370436E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	11	4.4982E+07	2.47662E+12	2.15405E+14	1.622902E+10	1.551229E+14	1.56614E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	0	4.4982E+07	3.609168E+12	2.148705E+14	1.853321E+10	1.549388E+14	1.76796E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	1	4.4982E+07	5.192975E+12	2.143322E+14	2.08252E+10	1.54751E+14	1.968706E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	2	4.4982E+07	7.350646E+12	2.138356E+14	2.295928E+10	1.545793E+14	2.155626E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	3	4.4982E+07	1.022308E+13	2.123195E+14	2.511264E+10	1.536817E+14	2.343563E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	4	4.4982E+07	1.39733E+13	2.088865E+14	2.691164E+10	1.513858E+14	2.499143E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	5	4.4982E+07	4.627606E+11	2.081657E+14	2.399432E+09	1.510882E+14	3.673918E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	6	4.4982E+07	5.188908E+11	2.074454E+14	4.704958E+09	1.507636E+14	5.691379E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	7	4.4982E+07	6.30844E+11	2.067218E+14	7.070988E+09	1.504416E+14	7.761902E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	8	4.4982E+07	8.318225E+11	2.060479E+14	9.422438E+09	1.501545E+14	9.820006E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	9	4.4982E+07	1.166108E+12	2.053933E+14	1.168295E+10	1.498736E+14	1.179846E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	10	4.4982E+07	1.690095E+12	2.045804E+14	1.399396E+10	1.494822E+14	1.382004E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	11	4.4982E+07	2.475133E+12	2.040025E+14	1.622902E+10	1.492547E+14	1.577675E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	0	4.4982E+07	3.607685E+12	2.034967E+14	1.853321E+10	1.490853E+14	1.779465E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	1	4.4982E+07	5.191496E+12	2.029873E+14	2.08252E+10	1.489124E+14	1.980182E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	2	4.4982E+07	7.349179E+12	2.025335E+14	2.288586E+10	1.487598E+14	2.160644E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	3	4.4982E+07	1.022162E+13	2.010977E+14	2.503992E+10	1.479036E+14	2.348561E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	4	4.4982E+07	1.397187E+13	1.978464E+14	2.684024E+10	1.457011E+14	2.504073E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	5	4.4982E+07	4.612457E+11	1.971627E+14	2.399432E+09	1.454227E+14	3.800968E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	6	4.4982E+07	5.173813E+11	1.964809E+14	4.704958E+09	1.451178E+14	5.817985E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	7	4.4982E+07	6.293398E+11	1.957958E+14	7.070988E+09	1.448157E+14	7.888061E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	8	4.4982E+07	8.303232E+11	1.95158E+14	9.422438E+09	1.445472E+14	9.94575E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	9	4.4982E+07	1.164614E+12	1.945384E+14	1.168295E+10	1.442843E+14	1.19238E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	10	4.4982E+07	1.688606E+12	1.937689E+14	1.399396E+10	1.439153E+14	1.394488E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	11	4.4982E+07	2.473648E+12	1.932218E+14	1.622902E+10	1.437036E+14	1.590123E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	0	4.4982E+07	3.606204E+12	1.927431E+14	1.853321E+10	1.435483E+14	1.791882E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	1	4.4982E+07	5.190019E+12	1.922611E+14	2.08252E+10	1.433893E+14	1.992568E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	2	4.4982E+07	7.347705E+12	1.918316E+14	2.288586E+10	1.432494E+14	2.173002E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	3	4.4982E+07	1.022016E+13	1.904721E+14	2.503992E+10	1.424324E+14	2.360831E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	4	4.4982E+07	1.397043E+13	1.873929E+14	2.684024E+10	1.403185E+14	2.516144E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	5	4.4982E+07	4.597314E+11	1.867444E+14	2.399432E+09	1.400582E+14	3.93826E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	6	4.4982E+07	5.158722E+11	1.86099E+14	4.704958E+09	1.39772E+14	5.954797E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	7	4.4982E+07	6.278361E+11	1.854505E+14	7.070988E+09	1.394888E+14	8.02439E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2034	8	4.4982E+07	8.288245E+11	1.848468E+14	9.422438E+09	1.392378E+14	1.008163E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	9	4.4982E+07	1.16312E+12	1.842603E+14	1.168295E+10	1.38992E+14	1.205925E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	10	4.4982E+07	1.687118E+12	1.835318E+14	1.399396E+10	1.386441E+14	1.407978E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	11	4.4982E+07	2.472165E+12	1.830141E+14	1.622902E+10	1.384475E+14	1.603575E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	0	4.4982E+07	3.604724E+12	1.825611E+14	1.853321E+10	1.383054E+14	1.8053E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	1	4.4982E+07	5.188543E+12	1.821049E+14	2.08252E+10	1.381598E+14	2.005952E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	2	4.4982E+07	7.346233E+12	1.816984E+14	2.288586E+10	1.380317E+14	2.186355E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	3	4.4982E+07	1.02187E+13	1.804112E+14	2.503992E+10	1.372519E+14	2.374089E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	4	4.4982E+07	1.396899E+13	1.77495E+14	2.684024E+10	1.35222E+14	2.529187E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	5	4.4982E+07	4.582175E+11	1.768797E+14	2.399432E+09	1.349787E+14	4.08662E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	6	4.4982E+07	5.143636E+11	1.762687E+14	4.704958E+09	1.347103E+14	6.102639E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	7	4.4982E+07	6.263328E+11	1.75655E+14	7.070988E+09	1.34445E+14	8.171711E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	8	4.4982E+07	8.273262E+11	1.750835E+14	9.422438E+09	1.342106E+14	1.022847E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	9	4.4982E+07	1.161626E+12	1.745284E+14	1.168295E+10	1.339809E+14	1.220561E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	10	4.4982E+07	1.68563E+12	1.738388E+14	1.399396E+10	1.33653E+14	1.422556E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	11	4.4982E+07	2.470682E+12	1.733487E+14	1.622902E+10	1.334707E+14	1.618111E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	0	4.4982E+07	3.603245E+12	1.729201E+14	1.853321E+10	1.333411E+14	1.8198E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	1	4.4982E+07	5.187067E+12	1.724884E+14	2.08252E+10	1.332081E+14	2.020414E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	2	4.4982E+07	7.344752E+12	1.7209E+14	2.295928E+10	1.330871E+14	2.207212E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	3	4.4982E+07	1.021723E+13	1.708713E+14	2.511264E+10	1.323426E+14	2.394782E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	4	4.4982E+07	1.396754E+13	1.681099E+14	2.691164E+10	1.303923E+14	2.549533E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	5	4.4982E+07	4.567019E+11	1.675261E+14	2.399432E+09	1.301653E+14	4.247173E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	6	4.4982E+07	5.128534E+11	1.669479E+14	4.704958E+09	1.299138E+14	6.26263E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	7	4.4982E+07	6.248278E+11	1.66367E+14	7.070988E+09	1.296653E+14	8.331138E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	8	4.4982E+07	8.258262E+11	1.658261E+14	9.422438E+09	1.294466E+14	1.038737E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	9	4.4982E+07	1.160131E+12	1.653007E+14	1.168295E+10	1.292322E+14	1.2364E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	10	4.4982E+07	1.684141E+12	1.64648E+14	1.399396E+10	1.289234E+14	1.438332E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	11	4.4982E+07	2.469196E+12	1.641842E+14	1.622902E+10	1.287546E+14	1.633842E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	0	4.4982E+07	3.601764E+12	1.637786E+14	1.853321E+10	1.286368E+14	1.83549E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	1	4.4982E+07	5.18559E+12	1.633701E+14	2.08252E+10	1.285158E+14	2.036065E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	2	4.4982E+07	7.343287E+12	1.630062E+14	2.288586E+10	1.284096E+14	2.216401E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	3	4.4982E+07	1.021577E+13	1.618521E+14	2.503992E+10	1.276983E+14	2.40392E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	4	4.4982E+07	1.396611E+13	1.592366E+14	2.684024E+10	1.258232E+14	2.558535E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	5	4.4982E+07	4.551891E+11	1.586827E+14	2.399432E+09	1.256115E+14	4.42041E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	6	4.4982E+07	5.113459E+11	1.581353E+14	4.704958E+09	1.253759E+14	6.435262E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	7	4.4982E+07	6.233256E+11	1.575855E+14	7.070988E+09	1.251434E+14	8.503162E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	8	4.4982E+07	8.243288E+11	1.570736E+14	9.422438E+09	1.249397E+14	1.055882E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	9	4.4982E+07	1.158638E+12	1.565763E+14	1.168295E+10	1.247398E+14	1.253491E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	10	4.4982E+07	1.682655E+12	1.559584E+14	1.399396E+10	1.244488E+14	1.455354E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	11	4.4982E+07	2.467714E+12	1.555196E+14	1.622902E+10	1.242928E+14	1.650815E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	0	4.4982E+07	3.600285E+12	1.551357E+14	1.853321E+10	1.241863E+14	1.852421E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	1	4.4982E+07	5.184115E+12	1.547492E+14	2.08252E+10	1.240766E+14	2.052953E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	2	4.4982E+07	7.341815E+12	1.544048E+14	2.288586E+10	1.239804E+14	2.23325E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	3	4.4982E+07	1.021431E+13	1.53312E+14	2.503992E+10	1.233008E+14	2.42065E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	4	4.4982E+07	1.396468E+13	1.508349E+14	2.684024E+10	1.214969E+14	2.574993E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	5	4.4982E+07	4.536769E+11	1.503092E+14	2.399432E+09	1.212997E+14	4.607587E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	6	4.4982E+07	5.098389E+11	1.497911E+14	4.704958E+09	1.210792E+14	6.621784E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	7	4.4982E+07	6.21824E+11	1.492707E+14	7.070988E+09	1.208618E+14	8.689027E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	8	4.4982E+07	8.228321E+11	1.487862E+14	9.422438E+09	1.206722E+14	1.074408E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	9	4.4982E+07	1.157147E+12	1.483156E+14	1.168295E+10	1.20486E+14	1.271956E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	10	4.4982E+07	1.681169E+12	1.477307E+14	1.399396E+10	1.20212E+14	1.473746E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	11	4.4982E+07	2.466232E+12	1.473153E+14	1.622902E+10	1.200682E+14	1.669155E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	0	4.4982E+07	3.598807E+12	1.469522E+14	1.853321E+10	1.199723E+14	1.870714E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	1	4.4982E+07	5.182641E+12	1.465864E+14	2.08252E+10	1.198733E+14	2.0712E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	2	4.4982E+07	7.340344E+12	1.462605E+14	2.288586E+10	1.197866E+14	2.251456E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	3	4.4982E+07	1.021285E+13	1.452258E+14	2.503992E+10	1.191369E+14	2.438726E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	4	4.4982E+07	1.396324E+13	1.428797E+14	2.684024E+10	1.174004E+14	2.592776E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	5	4.4982E+07	4.521652E+11	1.423806E+14	2.399432E+09	1.172171E+14	4.809815E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2039	6	4.4982E+07	5.083325E+11	1.418903E+14	4.704958E+09	1.170108E+14	6.823306E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	7	4.4982E+07	6.203229E+11	1.413978E+14	7.070988E+09	1.168078E+14	8.889838E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	8	4.4982E+07	8.213361E+11	1.409392E+14	9.422438E+09	1.166315E+14	1.094422E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	9	4.4982E+07	1.155655E+12	1.404938E+14	1.168295E+10	1.164583E+14	1.291907E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	10	4.4982E+07	1.679684E+12	1.399401E+14	1.399396E+10	1.162004E+14	1.493617E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	11	4.4982E+07	2.464751E+12	1.395471E+14	1.622902E+10	1.160681E+14	1.688969E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	0	4.4982E+07	3.59733E+12	1.392034E+14	1.853321E+10	1.159822E+14	1.890479E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	1	4.4982E+07	5.181167E+12	1.388573E+14	2.08252E+10	1.158933E+14	2.090914E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	2	4.4982E+07	7.338865E+12	1.385381E+14	2.295928E+10	1.15813E+14	2.277546E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	3	4.4982E+07	1.021138E+13	1.375584E+14	2.511264E+10	1.151916E+14	2.464615E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	4	4.4982E+07	1.396179E+13	1.353367E+14	2.691164E+10	1.135192E+14	2.618235E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	5	4.4982E+07	4.50652E+11	1.348629E+14	2.399432E+09	1.133488E+14	5.028618E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	6	4.4982E+07	5.068246E+11	1.343989E+14	4.704958E+09	1.131561E+14	7.041344E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	7	4.4982E+07	6.188203E+11	1.339327E+14	7.070988E+09	1.129667E+14	9.107107E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	8	4.4982E+07	8.198385E+11	1.334988E+14	9.422438E+09	1.128031E+14	1.116078E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	9	4.4982E+07	1.154162E+12	1.330772E+14	1.168295E+10	1.126422E+14	1.313493E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	10	4.4982E+07	1.678197E+12	1.325532E+14	1.399396E+10	1.123995E+14	1.515116E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	11	4.4982E+07	2.463269E+12	1.321813E+14	1.622902E+10	1.12278E+14	1.710407E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	0	4.4982E+07	3.595851E+12	1.318562E+14	1.853321E+10	1.122017E+14	1.911863E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	1	4.4982E+07	5.179692E+12	1.315287E+14	2.08252E+10	1.121224E+14	2.112244E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	2	4.4982E+07	7.337402E+12	1.312371E+14	2.288586E+10	1.120534E+14	2.292407E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	3	4.4982E+07	1.020993E+13	1.303093E+14	2.503992E+10	1.114587E+14	2.479385E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	4	4.4982E+07	1.396037E+13	1.28205E+14	2.684024E+10	1.098467E+14	2.632776E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	5	4.4982E+07	4.491417E+11	1.277552E+14	2.399432E+09	1.096887E+14	5.264658E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	6	4.4982E+07	5.053196E+11	1.27316E+14	4.704958E+09	1.095087E+14	7.276558E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	7	4.4982E+07	6.173206E+11	1.268748E+14	7.070988E+09	1.093322E+14	9.341493E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	8	4.4982E+07	8.183437E+11	1.264641E+14	9.422438E+09	1.091806E+14	1.139439E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	9	4.4982E+07	1.152672E+12	1.260652E+14	1.168295E+10	1.090313E+14	1.336779E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	10	4.4982E+07	1.676713E+12	1.255692E+14	1.399396E+10	1.088031E+14	1.53831E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	11	4.4982E+07	2.461789E+12	1.252172E+14	1.622902E+10	1.086919E+14	1.733534E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	0	4.4982E+07	3.594375E+12	1.249096E+14	1.853321E+10	1.086246E+14	1.934932E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	1	4.4982E+07	5.17822E+12	1.245998E+14	2.08252E+10	1.085544E+14	2.135254E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	2	4.4982E+07	7.335933E+12	1.243239E+14	2.288586E+10	1.084934E+14	2.315364E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	3	4.4982E+07	1.020847E+13	1.234454E+14	2.503992E+10	1.079241E+14	2.502179E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	4	4.4982E+07	1.395893E+13	1.214523E+14	2.684024E+10	1.063694E+14	2.655202E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	5	4.4982E+07	4.476321E+11	1.210252E+14	2.399432E+09	1.06223E+14	5.519629E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	6	4.4982E+07	5.038152E+11	1.206095E+14	4.704958E+09	1.060552E+14	7.530638E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	7	4.4982E+07	6.158216E+11	1.20192E+14	7.070988E+09	1.058908E+14	9.594677E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	8	4.4982E+07	8.168496E+11	1.198033E+14	9.422438E+09	1.057506E+14	1.164674E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	9	4.4982E+07	1.151183E+12	1.194258E+14	1.168295E+10	1.056123E+14	1.361933E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	10	4.4982E+07	1.675229E+12	1.189563E+14	1.399396E+10	1.053977E+14	1.563363E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	11	4.4982E+07	2.46031E+12	1.186232E+14	1.622902E+10	1.052963E+14	1.758515E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	0	4.4982E+07	3.5929E+12	1.183322E+14	1.853321E+10	1.052375E+14	1.95985E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	1	4.4982E+07	5.176748E+12	1.180392E+14	2.08252E+10	1.051759E+14	2.16011E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	2	4.4982E+07	7.334465E+12	1.177781E+14	2.288586E+10	1.051226E+14	2.340164E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	3	4.4982E+07	1.020701E+13	1.169463E+14	2.503992E+10	1.045773E+14	2.526801E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	4	4.4982E+07	1.39575E+13	1.150584E+14	2.684024E+10	1.030768E+14	2.679425E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	5	4.4982E+07	4.461232E+11	1.146528E+14	2.399432E+09	1.029416E+14	5.79504E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	6	4.4982E+07	5.023116E+11	1.142594E+14	4.704958E+09	1.027852E+14	7.805086E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	7	4.4982E+07	6.143233E+11	1.138642E+14	7.070988E+09	1.026323E+14	9.868158E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	8	4.4982E+07	8.153562E+11	1.134964E+14	9.422438E+09	1.025028E+14	1.191932E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	9	4.4982E+07	1.149695E+12	1.131392E+14	1.168295E+10	1.02375E+14	1.389103E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	10	4.4982E+07	1.673747E+12	1.126947E+14	1.399396E+10	1.021734E+14	1.590425E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	11	4.4982E+07	2.458832E+12	1.123796E+14	1.622902E+10	1.020811E+14	1.7855E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	0	4.4982E+07	3.591425E+12	1.121044E+14	1.853321E+10	1.020305E+14	1.986767E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	1	4.4982E+07	5.175277E+12	1.118271E+14	2.08252E+10	1.01977E+14	2.186958E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	2	4.4982E+07	7.332989E+12	1.115713E+14	2.295928E+10	1.019293E+14	2.373364E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	3	4.4982E+07	1.020555E+13	1.107838E+14	2.511264E+10	1.014068E+14	2.559751E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2044	4	4.4982E+07	1.395605E+13	1.089959E+14	2.691164E+10	9.995781E+13	2.711828E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	5	4.4982E+07	4.446129E+11	1.086106E+14	2.399432E+09	9.983303E+13	6.092955E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	6	4.4982E+07	5.008066E+11	1.082383E+14	4.704958E+09	9.968751E+13	8.10196E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	7	4.4982E+07	6.128236E+11	1.078644E+14	7.070988E+09	9.954559E+13	1.016398E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	8	4.4982E+07	8.138614E+11	1.075164E+14	9.422438E+09	9.942624E+13	1.221417E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	9	4.4982E+07	1.148205E+12	1.071783E+14	1.168295E+10	9.930828E+13	1.418494E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	10	4.4982E+07	1.672263E+12	1.067577E+14	1.399396E+10	9.911891E+13	1.619698E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	11	4.4982E+07	2.457352E+12	1.064596E+14	1.622902E+10	9.903541E+13	1.814689E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	0	4.4982E+07	3.589949E+12	1.061992E+14	1.853321E+10	9.899242E+13	2.015883E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	1	4.4982E+07	5.173805E+12	1.059369E+14	2.08252E+10	9.894667E+13	2.216E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	2	4.4982E+07	7.331528E+12	1.057033E+14	2.288586E+10	9.890753E+13	2.395927E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	3	4.4982E+07	1.02041E+13	1.049575E+14	2.503992E+10	9.840651E+13	2.582167E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	4	4.4982E+07	1.395463E+13	1.032639E+14	2.684024E+10	9.700599E+13	2.733894E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	5	4.4982E+07	4.431057E+11	1.028979E+14	2.399432E+09	9.689112E+13	6.414243E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	6	4.4982E+07	4.993047E+11	1.025456E+14	4.704958E+09	9.675588E+13	8.422125E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	7	4.4982E+07	6.11327E+11	1.021917E+14	7.070988E+09	9.66243E+13	1.048302E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	8	4.4982E+07	8.123697E+11	1.018624E+14	9.422438E+09	9.651458E+13	1.253216E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	9	4.4982E+07	1.146718E+12	1.015425E+14	1.168295E+10	9.640597E+13	1.45019E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	10	4.4982E+07	1.670782E+12	1.011444E+14	1.399396E+10	9.622819E+13	1.651268E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	11	4.4982E+07	2.455875E+12	1.008624E+14	1.622902E+10	9.615296E+13	1.846168E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	0	4.4982E+07	3.588476E+12	1.006161E+14	1.853321E+10	9.611722E+13	2.047283E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	1	4.4982E+07	5.172336E+12	1.00368E+14	2.08252E+10	9.607877E+13	2.24732E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	2	4.4982E+07	7.330062E+12	1.00147E+14	2.288586E+10	9.604614E+13	2.427176E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	3	4.4982E+07	1.020264E+13	9.944079E+13	2.503992E+10	9.556551E+13	2.613194E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	4	4.4982E+07	1.39532E+13	9.783658E+13	2.684024E+10	9.421102E+13	2.764418E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	5	4.4982E+07	4.415993E+11	9.748884E+13	2.399432E+09	9.410554E+13	6.761223E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	6	4.4982E+07	4.978036E+11	9.715544E+13	4.704958E+09	9.398004E+13	8.767893E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	7	4.4982E+07	6.098311E+11	9.682055E+13	7.070988E+09	9.385825E+13	1.082757E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	8	4.4982E+07	8.108788E+11	9.650894E+13	9.422438E+09	9.375763E+13	1.287557E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	9	4.4982E+07	1.145232E+12	9.620624E+13	1.168295E+10	9.365789E+13	1.484421E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	10	4.4982E+07	1.669302E+12	9.582947E+13	1.399396E+10	9.349109E+13	1.685362E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	11	4.4982E+07	2.454399E+12	9.556259E+13	1.622902E+10	9.342368E+13	1.880165E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	0	4.4982E+07	3.587003E+12	9.532963E+13	1.853321E+10	9.339482E+13	2.081194E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	1	4.4982E+07	5.170867E+12	9.509497E+13	2.08252E+10	9.336328E+13	2.281145E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	2	4.4982E+07	7.328597E+12	9.488594E+13	2.288586E+10	9.33368E+13	2.460925E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	3	4.4982E+07	1.020119E+13	9.421724E+13	2.503992E+10	9.287549E+13	2.646702E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	4	4.4982E+07	1.395177E+13	9.269766E+13	2.684024E+10	9.156458E+13	2.797383E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	5	4.4982E+07	4.400939E+11	9.236718E+13	2.399432E+09	9.146799E+13	7.13589E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	6	4.4982E+07	4.963034E+11	9.205169E+13	4.704958E+09	9.135171E+13	9.14125E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	7	4.4982E+07	6.083362E+11	9.173478E+13	7.070988E+09	9.123918E+13	1.119961E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	8	4.4982E+07	8.093889E+11	9.143994E+13	9.422438E+09	9.114721E+13	1.324638E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	9	4.4982E+07	1.143746E+12	9.115353E+13	1.168295E+10	9.105584E+13	1.521383E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	10	4.4982E+07	1.667822E+12	9.079694E+13	1.399396E+10	9.089943E+13	1.722177E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	11	4.4982E+07	2.452924E+12	9.054446E+13	1.622902E+10	9.083945E+13	1.916875E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	0	4.4982E+07	3.585532E+12	9.032412E+13	1.853321E+10	9.081708E+13	2.117811E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	1	4.4982E+07	5.1694E+12	9.010217E+13	2.08252E+10	9.079209E+13	2.317669E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	2	4.4982E+07	7.327125E+12	8.989743E+13	2.295928E+10	9.077072E+13	2.503769E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	3	4.4982E+07	1.019973E+13	8.926432E+13	2.511264E+10	9.032773E+13	2.689226E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	4	4.4982E+07	1.395033E+13	8.782511E+13	2.691164E+10	8.905819E+13	2.839206E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	5	4.4982E+07	4.385873E+11	8.751093E+13	2.399432E+09	8.897002E+13	7.541054E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	6	4.4982E+07	4.94802E+11	8.721241E+13	4.704958E+09	8.886247E+13	9.544997E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	7	4.4982E+07	6.068402E+11	8.691257E+13	7.070988E+09	8.875872E+13	1.160193E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	8	4.4982E+07	8.078977E+11	8.663363E+13	9.422438E+09	8.867492E+13	1.364738E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	9	4.4982E+07	1.14226E+12	8.636265E+13	1.168295E+10	8.859149E+13	1.561354E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	10	4.4982E+07	1.666342E+12	8.60252E+13	1.399396E+10	8.844494E+13	1.761988E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	11	4.4982E+07	2.451448E+12	8.578637E+13	1.622902E+10	8.839197E+13	1.956572E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	0	4.4982E+07	3.58406E+12	8.5578E+13	1.853321E+10	8.837576E+13	2.157409E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	1	4.4982E+07	5.167931E+12	8.53681E+13	2.08252E+10	8.835697E+13	2.357166E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2049	2	4.4982E+07	7.325668E+12	8.518116E+13	2.288586E+10	8.834186E+13	2.536773E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2049	3	4.4982E+07	1.019828E+13	8.45816E+13	2.503992E+10	8.791613E+13	2.72201E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2049	4	4.4982E+07	1.39489E+13	8.321815E+13	2.684024E+10	8.668558E+13	2.871471E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2049	5	4.4982E+07	4.370838E+11	8.291951E+13	2.399432E+09	8.660537E+13	7.977869E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2049	6	4.4982E+07	4.933039E+11	8.263703E+13	4.704958E+09	8.650609E+13	9.980285E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2049	7	4.4982E+07	6.053473E+11	8.235333E+13	7.070988E+09	8.641064E+13	1.203569E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2049	8	4.4982E+07	8.064097E+11	8.208941E+13	9.422438E+09	8.633459E+13	1.40797E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2049	9	4.4982E+07	1.140777E+12	8.183303E+13	1.168295E+10	8.625868E+13	1.604448E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2049	10	4.4982E+07	1.664865E+12	8.151367E+13	1.399396E+10	8.612143E+13	1.804909E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2049	11	4.4982E+07	2.449975E+12	8.128775E+13	1.622902E+10	8.607512E+13	1.999371E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2050	0	4.4982E+07	3.58259E+12	8.10907E+13	1.853321E+10	8.606474E+13	2.2001E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2050	1	4.4982E+07	5.166466E+12	8.08922E+13	2.08252E+10	8.605182E+13	2.399749E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2050	2	4.4982E+07	7.324205E+12	8.07154E+13	2.288586E+10	8.604193E+13	2.579259E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2050	3	4.4982E+07	1.019683E+13	8.014766E+13	2.503992E+10	8.563259E+13	2.764193E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2050	4	4.4982E+07	1.394747E+13	7.885606E+13	2.684024E+10	8.443905E+13	2.912971E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2050	5	4.4982E+07	4.355815E+11	7.857208E+13	2.399432E+09	8.436639E+13	8.449437E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2050	6	4.4982E+07	4.918068E+11	7.83048E+13	4.704958E+09	8.427493E+13	1.04502E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2050	7	4.4982E+07	6.038555E+11	7.803636E+13	7.070988E+09	8.418735E+13	1.250395E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2050	8	4.4982E+07	8.049229E+11	7.778668E+13	9.422438E+09	8.411862E+13	1.454642E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2050	9	4.4982E+07	1.139295E+12	7.754412E+13	1.168295E+10	8.404983E+13	1.65097E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2050	10	4.4982E+07	1.663388E+12	7.724189E+13	1.399396E+10	8.392141E+13	1.851246E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2050	11	4.4982E+07	2.448503E+12	7.702819E+13	1.622902E+10	8.388139E+13	2.045574E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2051	0	4.4982E+07	3.581122E+12	7.684186E+13	1.853321E+10	8.387653E+13	2.246187E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2051	1	4.4982E+07	5.165001E+12	7.665415E+13	2.08252E+10	8.386917E+13	2.445719E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2051	2	4.4982E+07	7.322744E+12	7.648697E+13	2.288586E+10	8.386424E+13	2.625125E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2051	3	4.4982E+07	1.019538E+13	7.594936E+13	2.503992E+10	8.347041E+13	2.809732E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2051	4	4.4982E+07	1.394605E+13	7.472578E+13	2.684024E+10	8.23119E+13	2.957772E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2051	5	4.4982E+07	4.348848E+11	7.445567E+13	2.399432E+09	8.224638E+13	8.958466E+07	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2051	6	4.4982E+07	4.929874E+11	7.420278E+13	4.704958E+09	8.216234E+13	1.095745E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2051	7	4.4982E+07	6.087747E+11	7.39488E+13	7.070988E+09	8.20822E+13	1.300941E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2051	8	4.4982E+07	8.165498E+11	7.371259E+13	9.422438E+09	8.202042E+13	1.505022E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2051	9	4.4982E+07	1.162072E+12	7.348312E+13	1.168295E+10	8.195837E+13	1.701188E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2051	10	4.4982E+07	1.703653E+12	7.319712E+13	1.399396E+10	8.18383E+13	1.901263E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2051	11	4.4982E+07	2.514951E+12	7.299498E+13	1.622902E+10	8.180424E+13	2.095448E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2052	0	4.4982E+07	3.685335E+12	7.28188E+13	1.853321E+10	8.180461E+13	2.295936E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	
2052	1	4.4982E+07	5.322022E+12	7.264131E+13	2.08252E+10	8.18025E+13	2.495341E+08	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737	

Cumulative Flows and Concentrations Per Time Interval for Layer 1 : Flooding Pit

YEAR	Month	Vol (m^3/Lyr)	pH	Alk(mg/L)	Aci(mg/L)	SO4(mg/L)	Cu (mg/L)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4:NP rem.(kg)	5: S (kg)	5:NP rem.(kg)	Pump #2	Water Elevation (m)
1992	5	300607	9.613237	3707.146	0	2469.686	4.832247E-04	2382397	3503357	1308190	1469842	851647.4	1027279	9.375E-08	-.185856	1786899	2842909	0	485.736
1992	6	603127	9.890864	5791.93	0	3377.626	2.548264E-04	2381741	3497058	1306984	1461115	851142.5	1024213	9.375E-08	-.185856	1785985	2838468	0	496.5403
1992	7	912352	10.17194	9099.371	0	4873.508	1.333189E-04	2381088	3490796	1305741	1452125	850620.8	1021045	9.375E-08	-.185856	1785050	2833925	0	506.636
1992	8	1211688	10.43917	13981.11	0	7104.387	7.200948E-05	2380453	3484703	1304503	1443170	850099.3	1017877	9.375E-08	-.185856	1784121	2829410	0	515.9902
1992	9	1502838	10.68255	20673.63	0	10159.09	4.109334E-05	2379855	3478967	1303309	1434538	849594.7	1014812	9.375E-08	-.185856	1783228	2825068	0	525.0687
1992	10	1835313	10.88726	28728.13	0	13819.96	2.563616E-05	2379257	3473228	1302082	1425659	849073.3	1011646	9.375E-08	-.185856	1782311	2820612	0	535.4785
1992	11	2111283	11.09246	39952.02	0	18952.02	1.597514E-05	2378693	3467825	1300898	1417097	848568.9	1008582	9.375E-08	-.185856	1781429	2816325	0	544.1026
1993	0	2376476	11.28169	54152.43	0	25446.49	1.032836E-05	2378126	3462376	1299686	1408335	848048.4	1005421	9.375E-08	-.185856	1780522	2811917	0	550.7081
1993	1	2643069	11.45441	71478.48	0	33437.12	6.936485E-06	2377567	3457016	1298504	1399786	847530.6	1002276	9.375E-08	-.185856	1779618	2807521	0	553.1766
1993	2	2882929	11.61952	93201.44	0	43399.16	4.740932E-06	2377070	3452249	1297461	1392238	847065.1	999448	9.375E-08	-.185856	1778803	2803562	0	555.3975
1993	3	3364948	11.72582	110566.3	0	51371.07	3.710686E-06	2376537	3447132	1296359	1384267	846554.3	996345.8	9.375E-08	-.185856	1777906	2799200	0	559.8606
1993	4	4278898	11.7648	117715.2	0	54658.98	3.391813E-06	2376051	3442475	1295389	1377253	846068.5	993395.4	9.375E-08	-.185856	1777046	2795020	0	568.3231
1993	5	4526431	11.72999	111309.5	0	51734.17	3.675205E-06	2375560	3437763	1294418	1370227	845570	990367.4	9.375E-08	-.185856	1776162	2790722	0	570.6151
1993	6	4777590	11.69676	105520.6	0	49130.38	3.967752E-06	2375093	3433283	1293504	1363621	845089.8	987451.5	9.375E-08	-.185856	1775308	2786576	0	572.9406
1993	7	5033741	11.66512	100289.4	0	46768.05	4.267883E-06	2374620	3428741	1292589	1356999	844596.2	984453.9	9.375E-08	-.185856	1774429	2782303	0	575.3124
1993	8	5280004	11.63694	95849.04	0	44808.5	4.554261E-06	2374155	3424281	1291700	1350573	844105	981470.8	9.375E-08	-.185856	1773552	2778042	0	577.5927
1993	9	5519792	11.61204	92087.68	0	43150.95	4.823373E-06	2373713	3420042	1290866	1344538	843632	978598	9.375E-08	-.185856	1772706	2773929	0	579.8129
1993	10	5799194	11.58564	88263.07	0	41468.68	5.125912E-06	2373267	3415756	1290034	1338523	843146	975646.3	9.375E-08	-.185856	1771835	2769693	0	582.4

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1993	11	6023802	11.56847	85859.84	0	40488.55	5.332907E-06	2372842	3411681	1289254	1332876	842677.8	972802.4	9.375E-08	-.185856	1770994	2765604	0	584.4797
1994	0	6235921	11.55628	84194.64	0	39850.25	5.484818E-06	2372410	3407541	1288470	1327208	842196.1	969876.8	9.375E-08	-.185856	1770127	2761389	0	586.4437
1994	1	6449441	11.54814	83099.79	0	39517.04	5.588739E-06	2371987	3403473	1287710	1321710	841716.4	966963.8	9.375E-08	-.185856	1769261	2757185	0	588.4208
1994	2	6641363	11.54699	82946.59	0	39621.87	5.603549E-06	2371610	3399857	1287042	1316881	841285	964343.1	9.375E-08	-.185856	1768482	2753396	0	590.1978
1994	3	7070308	11.53015	80731.23	0	38771.34	5.825374E-06	2371207	3395995	1286350	1311875	840811.4	961466.9	9.375E-08	-.185856	1767623	2749220	0	594.1695
1994	4	7932897	11.48654	75266.91	0	36354.18	6.44131E-06	2370843	3392502	1285759	1307606	840361.4	958734.1	9.375E-08	-.185856	1766800	2745220	0	601.2521
1994	5	8161703	11.46891	73164.4	0	35365.2	6.708424E-06	2370473	3388950	1285165	1303308	839899.9	955934.4	9.375E-08	-.185856	1765954	2741108	0	602.4823
1994	6	8394738	11.45146	71141.45	0	34434.61	6.983667E-06	2370119	3385557	1284604	1299245	839456	953234.7	9.375E-08	-.185856	1765137	2737141	0	603.7352
1994	7	8632162	11.43441	69217.99	0	33542.48	7.263638E-06	2369758	3382097	1284037	1295148	838999.9	950464.4	9.375E-08	-.185856	1764296	2733054	0	605.0116
1994	8	8859697	11.41875	67497.12	0	32748.9	7.530692E-06	2369403	3378681	1283484	1291149	838546.4	947709.8	9.375E-08	-.185856	1763458	2728981	0	606.2349
1994	9	9081362	11.40432	65950.47	0	32040.79	7.785235E-06	2369062	3375417	1282962	1287371	838109.9	945058.7	9.375E-08	-.185856	1762650	2725050	0	607.4267
1994	10	9342036	11.38823	64266.88	0	31287.69	8.079383E-06	2368716	3372093	1282438	1283580	837661.8	942336.8	9.375E-08	-.185856	1761817	2721003	0	608.8281
1994	11	9548521	11.37699	63116.33	0	30784.64	8.291412E-06	2368385	3368916	1281942	1279997	837230.3	939716.8	9.375E-08	-.185856	1761013	2717097	0	609.9383
1995	0	9741913	11.36798	62208.79	0	30402.55	8.465426E-06	2368047	3365672	1281442	1276378	836786.9	937022.9	9.375E-08	-.185856	1760185	2713072	0	610.978
1995	1	9936706	11.3606	61474.91	0	30107.11	8.61074E-06	2367713	3362465	1280953	1272843	836345.4	934342.3	9.375E-08	-.185856	1759359	2709058	0	612.0253
1995	2	1.011171E+07	11.3564	61061.45	0	29985.15	8.694482E-06	2367414	3359599	1280521	1269717	835948.6	931932.1	9.375E-08	-.185856	1758615	2705441	0	612.9662
1995	3	1.052193E+07	11.34063	59533.17	0	29307.61	9.016342E-06	2367092	3356505	1280067	1266431	835513.9	929291.4	9.375E-08	-.185856	1757795	2701458	0	615.1717
1995	4	1.13664E+07	11.30439	56164.97	0	27733.75	9.801744E-06	2366796	3353666	1279675	1263600	835102.1	926791	9.375E-08	-.185856	1757011	2697647	0	619.7118
1995	5	1.15847E+07	11.29261	55111.74	0	27232.25	1.00715E-05	2366495	3350785	1279285	1260776	834679.9	924226.8	9.375E-08	-.185856	1756205	2693729	0	620.8855
1995	6	1.180758E+07	11.28094	54087.12	0	26744.33	1.034624E-05	2366209	3348037	1278920	1258135	834273.7	921760	9.375E-08	-.185856	1755427	2689950	0	622.0837
1995	7	1.203451E+07	11.26937	53091.12	0	26285.86	1.062572E-05	2365918	3345242	1278556	1255503	833856.6	919226.6	9.375E-08	-.185856	1754626	2686056	0	623.3038
1995	8	1.225154E+07	11.25887	52202.75	0	25872.9	1.088599E-05	2365631	3342488	1278205	1252964	833441.8	916707.9	9.375E-08	-.185856	1753828	2682175	0	624.4706
1995	9	1.246305E+07	11.24926	51402.55	0	25502.79	1.112983E-05	2365357	3339863	1277877	1250594	833042.8	914284.6	9.375E-08	-.185856	1753057	2678430	0	625.6078
1995	10	1.271323E+07	11.2386	50529.64	0	25096.69	1.140661E-05	2365079	3337198	1277553	1248252	832633.3	911797.4	9.375E-08	-.185856	1752264	2674574	0	626.9528
1995	11	1.290955E+07	11.23159	49963.15	0	24854.97	1.159252E-05	2364814	3334656	1277251	1246066	832239.1	909403.6	9.375E-08	-.185856	1751498	2670853	0	628.0084
1996	0	1.309245E+07	11.22659	49563.01	0	24687.61	1.172699E-05	2364543	3332063	1276949	1243885	831833.8	906942.4	9.375E-08	-.185856	1750709	2667017	0	628.9916
1996	1	1.327674E+07	11.22313	49288.57	0	24579.92	1.182073E-05	2364277	3329506	1276659	1241782	831430.8	904493.9	9.375E-08	-.185856	1749922	2663192	0	629.9825
1996	2	1.344818E+07	11.22226	49219.49	0	24569.5	1.184453E-05	2364031	3327147	1276396	1239881	831055.4	902214.6	9.375E-08	-.185856	1749187	2659623	0	630.9042
1996	3	1.38479E+07	11.21345	48527.45	0	24256.37	1.208753E-05	2363776	3324700	1276138	1238019	830658.6	899805	9.375E-08	-.185856	1748407	2655828	0	633.0532
1996	4	1.46822E+07	11.18937	46685.2	0	23365.15	1.277739E-05	2363545	3322484	1275936	1236557	830283.6	897527.2	9.375E-08	-.185856	1747660	2652197	0	637.5387
1996	5	1.489037E+07	11.18066	46036.47	0	23054.84	1.303637E-05	2363311	3320243	1275740	1235138	829899.1	895191.8	9.375E-08	-.185856	1746892	2648465	0	638.6579
1996	6	1.510344E+07	11.17199	45399.5	0	22749.95	1.329947E-05	2363089	3318111	1275562	1233851	829529.3	892945.6	9.375E-08	-.185856	1746151	2644865	0	639.8034
1996	7	1.532023E+07	11.16344	44779.68	0	22453.95	1.356427E-05	2362864	3315951	1275391	1232613	829149.6	890639.5	9.375E-08	-.185856	1745388	2641157	0	640.9689
1996	8	1.552712E+07	11.15571	44227.21	0	22191.56	1.380794E-05	2362643	3313829	1275232	1231462	828772.1	888347.2	9.375E-08	-.185856	1744627	2637460	0	642.0813
1996	9	1.572882E+07	11.14866	43728.8	0	21966.67	1.403419E-05	2362433	3311814	1275089	1230429	828409.1	886142.3	9.375E-08	-.185856	1743893	2633892	0	643.1657
1996	10	1.596886E+07	11.14089	43185.66	0	21712.71	1.4288E-05	2362220	3309775	1274955	1229463	828036.6	883880	9.375E-08	-.185856	1743138	2630219	0	644.4562
1996	11	1.615537E+07	11.13614	42857.3	0	21564.41	1.444523E-05	2362018	3307838	1274836	1228603	827678.2	881703.1	9.375E-08	-.185856	1742408	2626675	0	645.459
1997	0	1.632813E+07	11.13316	42652.86	0	21476.07	1.454464E-05	2361813	3305866	1274723	1227783	827309.8	879465.2	9.375E-08	-.185856	1741656	2623021	0	646.3878
1997	1	1.650228E+07	11.13165	42549	0	21434.19	1.459556E-05	2361611	3303930	1274619	1227032	826943.2	877239.4	9.375E-08	-.185856	1740907	2619377	0	647.3241
1997	2	1.665865E+07	11.13259	42613.5	0	21480.74	1.456393E-05	2361432	3302209	1274535	1226423	826613.8	875238.8	9.375E-08	-.185856	1740231	2616093	0	648.1648
1997	3	1.704823E+07	11.1273	42252.54	0	21300.93	1.474269E-05	2361240	3300370	1274460	1225881	826253.2	873048.8	9.375E-08	-.185856	1739488	2612482	0	650.176
1997	4	1.787273E+07	11.10948	41060.02	0	20721.34	1.536057E-05	2361060	3298640	1274392	1225390	825910.2	870965.8	9.375E-08	-.185856	1738789	2609084	0	653.1851
1997	5	1.8072E+07	11.10257	40606.29	0	20514.15	1.560729E-05	2360875	3296870	1274323	1224891	825557.8	868825.9	9.375E-08	-.185856	1738073	2605606	0	653.9124
1997	6	1.827645E+07	11.09558	40152.46	0	20301.05	1.58609E-05	2360698	3295172	1274257	1224416	825218.3	866764.3	9.375E-08	-.185856	1737386	2602264	0	654.6586
1997	7	1.848434E+07	11.08855	39701.33	0	20099.27	1.612001E-05	2360516	3293431	1274186	1223901	824869.1	864643.8	9.375E-08	-.185856	1736680	2598835	0	655.4173
1997	8	1.868234E+07	11.08193	39281.12	0	19917.19	1.636788E-05	2360336	3291704	1274116	1223395	824521.5	862532.8	9.375E-08	-.185856	1735980	2595432	0	656.14
1997	9	1.887543E+07	11.07563	38885.42	0	19742.68	1.660725E-05	2360163	3290045	1274050	1222913	824186.6	860498.1	9.375E-08	-.185856	1735307	2592162	0	656.8446
1997	10	1.910657E+07	11.06822	38425.04	0	19543.89	1.689336E-05	2359985	3288342	1273982	1222425	823842.2	858406.4	9.375E-08	-.185856	1734618	2588811	0	657.6882
1997	11	1.928447E+07	11.06273	38087.59	0	19411.28	1.710842E-05	2359815	3286705	1273918	1221960	823510.3	856390.4	9.375E-08	-.185856	1733955	2585590	0	658.3375
1998	0	1.944833E+07	11.05798	37797.83	0	19297.75	1.72968E-05	2359640	3285026	1273852	1221486	823168.4	854314.4	9.375E-08	-.185856	1733275	2582282	0	658.9355
1998	1	1.961359E+07	11.05345	37524.08	0	19200.11	1.747804E-05	2359466	3283358	1273788	1221020	822827.9	852246.3	9.375E-08	-.185856	1732598	2578994	0	659.5386
1998	2	1.976192E+07	11.04988	37309.35	0	19125.09	1.762251E-05	2359310	3281861	1273730	1220604	822521.4	850384.7	9.375E-08	-.185856	1731991	2576042	0	660.08
1998	3	2.01426E+07	11.03955	36694.81	0	18852.52	1.80473E-05	2359140	3280229	1273669	1220160	822184.8	848340.8	9.375E-08	-.185856	1731327	2572819	0	661.4694
1998	4	2.095849E+07	11.01689	35382.3	0	18237.01	1.901503E-05	2358981	3278699	1273614	1219764	821865	846398.6	9.375E-08	-.185856	1730706	2569797	0	664.447
1998	5	2.115135E+07	11.01119	35060.08	0	18089.4	1.926616E-05	2358817	3277134	1273552	1219313	821536.6	844403.9	9.375E-08	-.185856	1730069	2566703	0	665.1509
1998	6	2.134961E+07	11.00543	34737.06	0	17936.49	1.952361E-05	2358661	3275633	1273493	1218887	821220.2	842482.6	9.375E-08	-.185856	1729458	2563734	0	665.8745
1998	7	2.155109E+07	10.99965	34415.42	0	17793	1.978581E-05	2358501	3274096	1273433	1218455	820894.8	840506.3	9.375E-08	-.185856	1728832	2560689	0	666.6098
1998	8	2.174269E+07	10.99422	34116.55	0	17664.83	2.003487E-05	2358342	3272572	1273375	1218033	820570.9	838538.9	9.375E-08	-.185856	1728210	2557669	0	667.3091

1998	9	2.192957E+07	10.98912	33838.18	0	17542.48	2.027165E-05	2358189	3271104	1273319	1217633	820258.8	836643.4	9.375E-08	-.185856	1727613	2554768	0	667.9911
1998	10	2.215431E+07	10.9831	33512.35	0	17403.16	2.055487E-05	2358033	3269602	1273264	1217230	819937.9	834694.8	9.375E-08	-.185856	1727003	2551798	0	668.8113
1998	11	2.232601E+07	10.97885	33284.16	0	17309.35	2.075728E-05	2357883	3268161	1273211	1216849	819628.8	832816.9	9.375E-08	-.185856	1726415	2548944	0	669.438
1999	0	2.248347E+07	10.97525	33092.32	0	17240.98	2.093005E-05	2357729	3266682	1273158	1216461	819310.5	830883.7	9.375E-08	-.185856	1725813	2546016	0	670.0126
1999	1	2.264232E+07	10.97198	32918.66	0	17183.99	2.108859E-05	2357575	3265215	1273105	1216082	818993.4	828958.1	9.375E-08	-.185856	1725214	2543106	0	670.5924
1999	2	2.278487E+07	10.96965	32795.76	0	17146.34	2.120205E-05	2357438	3263898	1273059	1215745	818708	827224.9	9.375E-08	-.185856	1724677	2540494	0	671.1127
1999	3	2.315914E+07	10.96161	32374.4	0	16957.87	2.159887E-05	2357289	3262466	1273010	1215390	818394.8	825322.8	9.375E-08	-.185856	1724091	2537647	0	672.4786
1999	4	2.396883E+07	10.94297	31418.98	0	16502.52	2.254698E-05	2357149	3261127	1272953	1214982	818097.6	823517.4	9.375E-08	-.185856	1723544	2534988	0	675.4337
1999	5	2.415545E+07	10.93811	31174.59	0	16390.08	2.280091E-05	2357007	3259760	1272896	1214572	817792.4	821663.5	9.375E-08	-.185856	1722984	2532267	0	676.1147
1999	6	2.434766E+07	10.93319	30928.9	0	16273.2	2.306109E-05	2356870	3258450	1272843	1214187	817498.3	819877.6	9.375E-08	-.185856	1722447	2529657	0	676.8163
1999	7	2.454289E+07	10.92823	30683.65	0	16163.18	2.332589E-05	2356730	3257102	1272790	1213802	817195.9	818041.2	9.375E-08	-.185856	1721897	2526985	0	677.5288
1999	8	2.472824E+07	10.92366	30458.9	0	16059.89	2.35731E-05	2356591	3255768	1272738	1213428	816894.9	816213.4	9.375E-08	-.185856	1721352	2524335	0	678.2053
1999	9	2.490908E+07	10.91932	30247	0	15969.13	2.381031E-05	2356457	3254488	1272690	1213078	816605.1	814452.4	9.375E-08	-.185856	1720829	2521792	0	678.8652
1999	10	2.512756E+07	10.91423	30000.89	0	15862.61	2.409091E-05	2356321	3253181	1272642	1212730	816307.1	812642.8	9.375E-08	-.185856	1720293	2519190	0	679.6627
1999	11	2.529322E+07	10.91076	29834.15	0	15792.05	2.428422E-05	2356190	3251927	1272596	1212402	816019.9	810899.1	9.375E-08	-.185856	1719780	2516693	0	680.2672
2000	0	2.544443E+07	10.90797	29700.38	0	15743.66	2.444123E-05	2356056	3250643	1272551	1212074	815724.4	809104.4	9.375E-08	-.185856	1719252	2514130	0	680.8191
2000	1	2.559703E+07	10.90562	29588.31	0	15699.97	2.457408E-05	2355923	3249368	1272507	1211755	815430	807316.3	9.375E-08	-.185856	1718729	2511586	0	681.376
2000	2	2.573882E+07	10.90403	29512.95	0	15677.94	2.466413E-05	2355800	3248186	1272467	1211465	815155.5	805649.7	9.375E-08	-.185856	1718243	2509223	0	681.8935
2000	3	2.610685E+07	10.89773	29215.53	0	15536.43	2.502505E-05	2355670	3246939	1272427	1211178	814865	803885.3	9.375E-08	-.185856	1717732	2506742	0	683.2367
2000	4	2.691049E+07	10.88216	28493.6	0	15178.81	2.59393E-05	2355550	3245786	1272427	1211178	814589.6	802212.8	9.375E-08	-.185856	1717258	2504434	0	686.1697
2000	5	2.7091E+07	10.87803	28305	0	15086.38	2.618748E-05	2355427	3244609	1272427	1211178	814306.8	800494.9	9.375E-08	-.185856	1716772	2502075	0	686.8285
2000	6	2.72773E+07	10.8738	28113.27	0	14997.77	2.644402E-05	2355309	3243475	1272427	1211178	814034.4	798840.9	9.375E-08	-.185856	1716307	2499815	0	687.5084
2000	7	2.746643E+07	10.86962	27925.24	0	14907.74	2.669979E-05	2355188	3242316	1272427	1211178	813754.4	797140.4	9.375E-08	-.185856	1715831	2497502	0	688.1987
2000	8	2.764568E+07	10.86578	27753.39	0	14831.73	2.693718E-05	2355069	3241170	1272427	1211178	813475.8	795447.8	9.375E-08	-.185856	1715360	2495211	0	688.8528
2000	9	2.782061E+07	10.86222	27595.02	0	14764.48	2.715912E-05	2354954	3240073	1272427	1211178	813207.4	793817.7	9.375E-08	-.185856	1714908	2493015	0	689.4913
2000	10	2.803299E+07	10.85812	27413.76	0	14679.88	2.741704E-05	2354838	3238954	1272427	1211178	812931.7	792143.1	9.375E-08	-.185856	1714446	2490771	0	690.2664
2000	11	2.819274E+07	10.8555	27298.77	0	14634.31	2.758285E-05	2354726	3237882	1272427	1211178	812666	790529.7	9.375E-08	-.185856	1714003	2488618	0	690.8494
2001	0	2.833783E+07	10.85368	27218.94	0	14601.38	2.76989E-05	2354611	3236784	1272427	1211178	812392.6	788868.7	9.375E-08	-.185856	1713549	2486412	0	691.379
2001	1	2.848433E+07	10.85232	27159.57	0	14581.51	2.77858E-05	2354498	3235696	1272427	1211178	812120.2	787214.6	9.375E-08	-.185856	1713099	2484223	0	691.9136
2001	2	2.861572E+07	10.85197	27144.31	0	14576.69	2.780822E-05	2354396	3234722	1272427	1211178	811875.1	785726.1	9.375E-08	-.185856	1712695	2482260	0	692.3931
2001	3	2.897765E+07	10.84744	26947.17	0	14474.64	2.81004E-05	2354285	3233660	1272427	1211178	811606.5	784094.8	9.375E-08	-.185856	1712257	2480131	0	693.7141
2001	4	2.977538E+07	10.83473	26402.22	0	14193.41	2.893588E-05	2354184	3232685	1272427	1211178	811352.1	782550.1	9.375E-08	-.185856	1711852	2478163	0	696.6255
2001	5	2.994994E+07	10.83106	26246.88	0	14122.76	2.918179E-05	2354080	3231692	1272427	1211178	811090.9	780964.3	9.375E-08	-.185856	1711439	2476154	0	697.2626
2001	6	3.013049E+07	10.82737	26091.65	0	14048.54	2.943109E-05	2353980	3230734	1272427	1211178	810839.6	779437.8	9.375E-08	-.185856	1711043	2474231	0	697.9215
2001	7	3.031367E+07	10.82365	25936.45	0	13979.67	2.968402E-05	2353878	3229757	1272427	1211178	810581.4	777868.9	9.375E-08	-.185856	1710639	2472266	0	698.59
2001	8	3.048697E+07	10.82032	25797.72	0	13915.82	2.991314E-05	2353777	3228791	1272427	1211178	810324.3	776307.5	9.375E-08	-.185856	1710239	2470323	0	699.2225
2001	9	3.065614E+07	10.81722	25669.54	0	13861.81	3.01276E-05	2353681	3227869	1272427	1211178	810076.8	774804	9.375E-08	-.185856	1709856	2468462	0	699.84
2001	10	3.086258E+07	10.81365	25522.8	0	13792.93	3.037637E-05	2353583	3226925	1272427	1211178	809823.1	773263.1	9.375E-08	-.185856	1709463	2466552	0	700.4212
2001	11	3.101657E+07	10.8115	25434.89	0	13753.1	3.052698E-05	2353488	3226018	1272427	1211178	809579.1	771781.1	9.375E-08	-.185856	1709085	2464712	0	700.8201
2002	0	3.115573E+07	10.81005	25375.37	0	13731.13	3.062975E-05	2353391	3225087	1272427	1211178	809328.4	770258.7	9.375E-08	-.185856	1708695	2462817	0	701.1807
2002	1	3.129628E+07	10.80913	25337.87	0	13714.24	3.069479E-05	2353295	3224161	1272427	1211178	809079.3	768745.6	9.375E-08	-.185856	1708306	2460929	0	701.5447
2002	2	3.14223E+07	10.80914	25338.45	0	13712.17	3.069378E-05	2353208	3223329	1272427	1211178	808855.6	767386.3	9.375E-08	-.185856	1707957	2459229	0	701.8712
2002	3	3.177827E+07	10.80542	25187.38	0	13622.91	3.09581E-05	2353113	3222422	1272427	1211178	808611.6	765903.9	9.375E-08	-.185856	1707573	2457364	0	702.7935
2002	4	3.257025E+07	10.79432	24742.19	0	13373.09	3.176007E-05	2353024	3221565	1272427	1211178	808383.2	764517.5	9.375E-08	-.185856	1707209	2455598	0	704.8452
2002	5	3.274014E+07	10.79105	24612.44	0	13314.72	3.200043E-05	2352932	3220687	1272427	1211178	808149.5	763098	9.375E-08	-.185856	1706836	2453784	0	705.2853
2002	6	3.291616E+07	10.78772	24480.85	0	13252.5	3.224743E-05	2352844	3219845	1272427	1211178	807925	761734.7	9.375E-08	-.185856	1706477	2452037	0	705.7413
2002	7	3.309467E+07	10.78436	24348.92	0	13190.19	3.249826E-05	2352754	3218981	1272427	1211178	807694.9	760337.7	9.375E-08	-.185856	1706107	2450241	0	706.2038
2002	8	3.326329E+07	10.78121	24226.06	0	13132.87	3.273485E-05	2352665	3218125	1272427	1211178	807466.7	758951.6	9.375E-08	-.185856	1705739	2448453	0	706.6407
2002	9	3.342795E+07	10.77813	24106.36	0	13082.28	3.296824E-05	2352579	3217303	1272427	1211178	807247.5	757620	9.375E-08	-.185856	1705385	2446730	0	707.0672
2002	10	3.36297E+07	10.7744	23962.65	0	13016.12	3.325222E-05	2352491	3216461	1272427	1211178	807023.1	756257.1	9.375E-08	-.185856	1705021	2444960	0	707.5899
2002	11	3.377918E+07	10.77169	23858.28	0	12971.07	3.346097E-05	2352407	3215653	1272427	1211178	806807.6	754947.6	9.375E-08	-.185856	1704670	2443255	0	707.9771
2003	0	3.391365E+07	10.7693	23766.72	0	12933.26	3.364602E-05	2352321	3214823	1272427	1211178	806586.1	753602.6	9.375E-08	-.185856	1704309	2441500	0	708.3255
2003	1	3.404953E+07	10.76692	23675.98	0	12895.84	3.383105E-05	2352235	3213999	1272427	1211178	806366.1	752266.4	9.375E-08	-.185856	1703949	2439752	0	708.6776
2003	2	3.417132E+07	10.76484	23597.28	0	12864.47	3.399303E-05	2352158	3213259	1272427	1211178	806168.7	751066.8	9.375E-08	-.185856	1703625	2438177	0	708.993
2003	3	3.452263E+07	10.7587	23365.43	0	12754.71	3.447781E-05	2352072	3212440	1272427	1211178	805953.6	749760.7	9.375E-08	-.185856	1703270	2436451	0	709.9032
2003	4	3.531008E+07	10.74501	22856.88	0	12495.57	3.558322E-05	2351993	3211680	1272427	1211178	805753.3	748544.3	9.375E-08	-.185856	1702934	2434817	0	711.9432
2003	5	3.547594E+07	10.7421	22750.29	0	12443.19	3.58225E-05	2351912	3210902	1272427	1211178	805548.4	747300	9.375E-08	-.185856	1702589	2433141	0	712.3729
2003	6	3.564805E+07	10.7391	22640.74	0	12388.95	3.60714E-05	2351834	3210156	1272427	1211178	805351.9	746106.6	9.375E-08	-.185856	1702256	2431527	0	712.8188

2003	7	3.582252E+07	10.73604	22529.78	0	12339.11	3.632642E-05	2351755	3209392	1272427	1211178	805150.6	744884.1	9.375E-08	-.185856	1701915	2429868	0	713.2708
2003	8	3.598711E+07	10.73319	22426.92	0	12291.16	3.656555E-05	2351676	3208635	1272427	1211178	804951.1	743672.3	9.375E-08	-.185856	1701575	2428217	0	713.6971
2003	9	3.614785E+07	10.73044	22327.85	0	12245.15	3.679849E-05	2351600	3207909	1272427	1211178	804759.7	742509.6	9.375E-08	-.185856	1701248	2426627	0	714.1136
2003	10	3.634558E+07	10.72708	22207.76	0	12187.76	3.708416E-05	2351523	3207167	1272427	1211178	804563.9	741320.4	9.375E-08	-.185856	1700912	2424993	0	714.6259
2003	11	3.649114E+07	10.72461	22119.54	0	12152.45	3.729646E-05	2351448	3206454	1272427	1211178	804375.9	740178.7	9.375E-08	-.185856	1700588	2423419	0	715.0029
2004	0	3.662158E+07	10.72244	22042.64	0	12121.07	3.748319E-05	2351372	3205723	1272427	1211178	804183	739007.4	9.375E-08	-.185856	1700255	2421799	0	715.3409
2004	1	3.675342E+07	10.72036	21968.98	0	12091.06	3.766356E-05	2351295	3204982	1272427	1211178	803991.5	737843.9	9.375E-08	-.185856	1699923	2420186	0	715.6824
2004	2	3.687579E+07	10.71853	21904.69	0	12065.28	3.782219E-05	2351223	3204294	1272427	1211178	803813.5	736762.9	9.375E-08	-.185856	1699613	2418683	0	715.9995
2004	3	3.722306E+07	10.71313	21715.18	0	11970.05	3.829644E-05	2351148	3203573	1272427	1211178	803626.8	735629.1	9.375E-08	-.185856	1699286	2417092	0	716.8991
2004	4	3.80066E+07	10.70079	21288.91	0	11747.2	3.940085E-05	2351078	3202906	1272427	1211178	803454.1	734579.9	9.375E-08	-.185856	1698977	2415589	0	718.929
2004	5	3.816849E+07	10.69811	21197.4	0	11706.81	3.964506E-05	2351007	3202225	1272427	1211178	803277.5	733507.8	9.375E-08	-.185856	1698659	2414046	0	719.3484
2004	6	3.833676E+07	10.69537	21104.34	0	11663.1	3.989604E-05	2350939	3201573	1272427	1211178	803108.3	732479.9	9.375E-08	-.185856	1698354	2412562	0	719.7844
2004	7	3.850726E+07	10.69261	21010.94	0	11619.31	4.015064E-05	2350870	3200906	1272427	1211178	802935.2	731428.8	9.375E-08	-.185856	1698040	2411037	0	720.2261
2004	8	3.866787E+07	10.69005	20924.41	0	11579.38	4.038893E-05	2350801	3200246	1272427	1211178	802763.8	730387.3	9.375E-08	-.185856	1697728	2409520	0	720.6422
2004	9	3.882477E+07	10.68752	20839.45	0	11544.67	4.062524E-05	2350736	3199613	1272427	1211178	802599.5	729389.2	9.375E-08	-.185856	1697427	2408059	0	721.0486
2004	10	3.901852E+07	10.68445	20736.92	0	11498.18	4.091362E-05	2350668	3198968	1272427	1211178	802431.8	728370.5	9.375E-08	-.185856	1697118	2406558	0	721.5506
2004	11	3.916024E+07	10.68231	20665.79	0	11468.39	4.111575E-05	2350602	3198331	1272427	1211178	802270.8	727392.7	9.375E-08	-.185856	1696821	2405112	0	721.9177
2005	0	3.928671E+07	10.6805	20605.9	0	11444.49	4.128719E-05	2350534	3197679	1272427	1211178	802105.9	726390.6	9.375E-08	-.185856	1696515	2403625	0	722.2454
2005	1	3.941458E+07	10.67884	20550.74	0	11422.22	4.144622E-05	2350466	3197032	1272427	1211178	801942.3	725396.9	9.375E-08	-.185856	1696211	2402144	0	722.5767
2005	2	3.952914E+07	10.6776	20510.07	0	11406	4.15641E-05	2350406	3196452	1272427	1211178	801795.6	724506.1	9.375E-08	-.185856	1695936	2400812	0	722.8734
2005	3	3.987244E+07	10.67307	20361.26	0	11332.67	4.200053E-05	2350340	3195824	1272427	1211178	801636.8	723540.9	9.375E-08	-.185856	1695636	2399353	0	723.7628
2005	4	4.065214E+07	10.66226	20010.64	0	11146.17	4.305986E-05	2350280	3195248	1272427	1211178	801490.7	722653.8	9.375E-08	-.185856	1695353	2397978	0	725.7827
2005	5	4.081012E+07	10.65986	19933.36	0	11108.24	4.329942E-05	2350219	3194661	1272427	1211178	801341.7	721748.6	9.375E-08	-.185856	1695063	2396567	0	726.192
2005	6	4.097462E+07	10.65736	19853.68	0	11068.87	4.354893E-05	2350160	3194100	1272427	1211178	801199.3	720882.9	9.375E-08	-.185856	1694784	2395209	0	726.6182
2005	7	4.114122E+07	10.65482	19772.63	0	11033.16	4.380517E-05	2350100	3193527	1272427	1211178	801053.6	719998.3	9.375E-08	-.185856	1694497	2393814	0	727.0498
2005	8	4.129794E+07	10.65246	19697.68	0	10998.63	4.404433E-05	2350041	3192960	1272427	1211178	800909.6	719123.6	9.375E-08	-.185856	1694211	2392426	0	727.4558
2005	9	4.145106E+07	10.65016	19625.25	0	10965.31	4.427768E-05	2349985	3192419	1272427	1211178	800771.9	718287	9.375E-08	-.185856	1693936	2391091	0	727.8525
2005	10	4.164092E+07	10.64742	19538.87	0	10923.91	4.455868E-05	2349925	3191844	1272427	1211178	800631.4	717433.7	9.375E-08	-.185856	1693655	2389721	0	728.3444
2005	11	4.177886E+07	10.64554	19479.83	0	10897.09	4.475244E-05	2349868	3191293	1272427	1211178	800496.8	716616.6	9.375E-08	-.185856	1693383	2388402	0	728.7017
2006	0	4.190144E+07	10.644	19431.75	0	10879.87	4.49114E-05	2349809	3190730	1272427	1211178	800359.1	715780.3	9.375E-08	-.185856	1693104	2387043	0	729.0193
2006	1	4.202541E+07	10.64268	19390.52	0	10862.75	4.504833E-05	2349751	3190172	1272427	1211178	800222.7	714952.1	9.375E-08	-.185856	1692826	2385691	0	729.3405
2006	2	4.213645E+07	10.64186	19365.09	0	10851.95	4.513327E-05	2349699	3189673	1272427	1211178	800100.4	714209.4	9.375E-08	-.185856	1692575	2384475	0	729.6281
2006	3	4.247584E+07	10.63808	19247.87	0	10787.36	4.552785E-05	2349643	3189135	1272427	1211178	799968.8	713409.4	9.375E-08	-.185856	1692302	2383146	0	730.5074
2006	4	4.325177E+07	10.62852	18954.38	0	10624.64	4.654224E-05	2349592	3188647	1272427	1211178	799848.9	712681.5	9.375E-08	-.185856	1692044	2381895	0	732.5175
2006	5	4.340593E+07	10.62632	18887.21	0	10591.8	4.677979E-05	2349540	3188150	1272427	1211178	799726.8	711940.4	9.375E-08	-.185856	1691780	2380612	0	732.9169
2006	6	4.356672E+07	10.62399	18816.83	0	10561.12	4.703095E-05	2349491	3187677	1272427	1211178	799610.2	711231.9	9.375E-08	-.185856	1691527	2379378	0	733.3335
2006	7	4.372949E+07	10.62168	18746.93	0	10528.86	4.728262E-05	2349440	3187195	1272427	1211178	799491.4	710510.6	9.375E-08	-.185856	1691266	2378110	0	733.7552
2006	8	4.388238E+07	10.61951	18681.8	0	10499.17	4.751924E-05	2349391	3186719	1272427	1211178	799374.3	709799.3	9.375E-08	-.185856	1691006	2376849	0	734.1512
2006	9	4.40318E+07	10.61749	18621.22	0	10471.43	4.774109E-05	2349340	3186235	1272427	1211178	799262.3	709118.9	9.375E-08	-.185856	1690757	2375636	0	734.5383
2006	10	4.421782E+07	10.61499	18546.69	0	10439.46	4.801651E-05	2349289	3185743	1272427	1211178	799148.6	708428.1	9.375E-08	-.185856	1690501	2374392	0	735.0203
2006	11	4.435206E+07	10.6134	18499.36	0	10419.6	4.819278E-05	2349240	3185274	1272427	1211178	799039.9	707768	9.375E-08	-.185856	1690255	2373195	0	735.368
2007	0	4.44708E+07	10.61227	18465.59	0	10406.06	4.831922E-05	2349190	3184794	1272427	1211178	798928.6	707092.3	9.375E-08	-.185856	1690001	2371964	0	735.6757
2007	1	4.459094E+07	10.61141	18440.25	0	10395.13	4.841448E-05	2349140	3184320	1272427	1211178	798818.6	706424.5	9.375E-08	-.185856	1689749	2370739	0	735.9869
2007	2	4.469852E+07	10.61114	18432.12	0	10390.71	4.844503E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	736.2656
2007	3	4.4982E+07	10.6082	18345.16	0	10407.38	4.877466E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	4	4.4982E+07	10.60058	18121.86	0	10304.73	4.963896E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	5	4.4982E+07	10.59849	18061.1	0	10274.81	4.987849E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	6	4.4982E+07	10.59631	17998.08	0	10243.42	5.012921E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	7	4.4982E+07	10.59412	17934.75	0	10211.96	5.038329E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	8	4.4982E+07	10.59207	17875.74	0	10182.94	5.062195E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	9	4.4982E+07	10.59007	17818.43	0	10154.71	5.085561E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	10	4.4982E+07	10.58758	17747.37	0	10118.75	5.114788E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	11	4.4982E+07	10.58581	17696.71	0	10094.26	5.135798E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	0	4.4982E+07	10.58424	17652.3	0	10073.44	5.154335E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	1	4.4982E+07	10.58266	17607.58	0	10052.43	5.17312E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	2	4.4982E+07	10.5812	17566.32	0	10033.08	5.190558E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	3	4.4982E+07	10.57676	17441.27	0	9966.125	5.244011E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	4	4.4982E+07	10.5666	17158.8	0	9808.967	5.368256E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2013	3	4.4982E+07	10.40711	13279.02	0	7823.231	7.753139E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	4	4.4982E+07	10.39696	13063.96	0	7700.782	7.936833E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	5	4.4982E+07	10.39487	13020.2	0	7679.605	7.975132E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	6	4.4982E+07	10.39269	12974.8	0	7657.284	8.015166E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	7	4.4982E+07	10.3905	12929.17	0	7634.948	8.055755E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	8	4.4982E+07	10.38845	12886.67	0	7614.42	8.093898E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	9	4.4982E+07	10.38646	12845.38	0	7594.439	8.131239E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	10	4.4982E+07	10.38397	12794.19	0	7568.713	8.177933E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	11	4.4982E+07	10.3822	12757.7	0	7551.509	8.211491E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	0	4.4982E+07	10.38063	12725.71	0	7537.093	8.24111E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	1	4.4982E+07	10.37906	12693.51	0	7522.522	8.271126E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	2	4.4982E+07	10.37765	12664.81	0	7509.576	8.298005E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	3	4.4982E+07	10.3732	12574.68	0	7460.597	8.38344E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	4	4.4982E+07	10.36305	12371.04	0	7344.024	8.582048E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	5	4.4982E+07	10.36096	12329.6	0	7324.046	8.623442E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	6	4.4982E+07	10.35879	12286.62	0	7302.966	8.66673E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	7	4.4982E+07	10.35659	12243.42	0	7281.88	8.710619E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	8	4.4982E+07	10.35455	12203.17	0	7262.517	8.751843E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	9	4.4982E+07	10.35255	12164.08	0	7243.666	8.7922E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	10	4.4982E+07	10.35007	12115.61	0	7219.34	8.84269E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	11	4.4982E+07	10.34829	12081.06	0	7203.135	8.878995E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	0	4.4982E+07	10.34673	12050.78	0	7189.596	8.911002E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	1	4.4982E+07	10.34515	12020.29	0	7175.908	8.943439E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	2	4.4982E+07	10.34374	11993.12	0	7163.748	8.972502E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	3	4.4982E+07	10.3393	11907.78	0	7117.233	9.064862E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	4	4.4982E+07	10.32914	11714.94	0	7006.224	9.279613E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	5	4.4982E+07	10.32705	11675.71	0	6987.38	9.324371E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	6	4.4982E+07	10.32488	11635.01	0	6967.478	9.371178E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	7	4.4982E+07	10.32269	11594.11	0	6947.574	9.418614E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	8	4.4982E+07	10.32064	11556	0	6929.313	9.463189E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	9	4.4982E+07	10.31865	11518.99	0	6911.532	9.506826E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	10	4.4982E+07	10.31616	11473.1	0	6888.534	9.56142E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	11	4.4982E+07	10.31438	11440.39	0	6873.275	9.600654E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	0	4.4982E+07	10.31282	11411.72	0	6860.565	9.635241E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	1	4.4982E+07	10.31125	11382.85	0	6847.713	9.670314E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	2	4.4982E+07	10.30979	11356.21	0	6835.892	9.702871E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	3	4.4982E+07	10.30535	11275.41	0	6791.717	9.802727E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	4	4.4982E+07	10.29519	11092.83	0	6685.989	1.003494E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	5	4.4982E+07	10.2931	11055.69	0	6668.222	1.008334E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	6	4.4982E+07	10.29093	11017.16	0	6649.435	1.013395E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	7	4.4982E+07	10.28874	10978.44	0	6630.652	1.018525E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	8	4.4982E+07	10.28669	10942.36	0	6613.436	1.023343E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	9	4.4982E+07	10.2847	10907.32	0	6596.669	1.02806E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	10	4.4982E+07	10.28221	10863.87	0	6574.929	1.033963E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	11	4.4982E+07	10.28044	10832.9	0	6560.567	1.038204E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	0	4.4982E+07	10.27888	10805.76	0	6548.645	1.041947E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	1	4.4982E+07	10.2773	10778.43	0	6536.585	1.045737E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	2	4.4982E+07	10.27589	10754.08	0	6525.875	1.049133E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	3	4.4982E+07	10.27145	10677.56	0	6483.905	1.059932E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	4	4.4982E+07	10.26129	10504.66	0	6383.157	1.085043E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	5	4.4982E+07	10.25921	10469.49	0	6366.406	1.090271E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	6	4.4982E+07	10.25703	10433.01	0	6348.675	1.095742E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	7	4.4982E+07	10.25484	10396.35	0	6330.953	1.101291E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	8	4.4982E+07	10.2528	10362.19	0	6314.724	1.106501E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	9	4.4982E+07	10.2508	10329.01	0	6298.917	1.111598E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	10	4.4982E+07	10.24832	10287.87	0	6278.366	1.117981E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	11	4.4982E+07	10.24654	10258.55	0	6264.853	1.122567E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	0	4.4982E+07	10.24498	10232.85	0	6253.674	1.126611E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2018	1	4.4982E+07	10.24341	10206.98	0	6242.363	1.130709E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	2	4.4982E+07	10.242	10183.92	0	6232.321	1.134381E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	3	4.4982E+07	10.23756	10111.47	0	6192.443	1.146056E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	4	4.4982E+07	10.2274	9947.743	0	6096.418	1.173204E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	5	4.4982E+07	10.22531	9914.445	0	6080.63	1.178857E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	6	4.4982E+07	10.22314	9879.9	0	6063.897	1.184775E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	7	4.4982E+07	10.22095	9845.188	0	6047.179	1.190769E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	8	4.4982E+07	10.2189	9812.849	0	6031.886	1.196402E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	9	4.4982E+07	10.21691	9781.439	0	6016.988	1.201914E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	10	4.4982E+07	10.21443	9742.482	0	5997.563	1.208813E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	11	4.4982E+07	10.21265	9714.725	0	5984.854	1.213768E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	0	4.4982E+07	10.21109	9690.396	0	5974.379	1.218141E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	1	4.4982E+07	10.20952	9665.897	0	5963.778	1.222572E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	2	4.4982E+07	10.20811	9644.07	0	5954.368	1.226543E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	3	4.4982E+07	10.20367	9575.466	0	5916.471	1.239163E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	4	4.4982E+07	10.19351	9420.421	0	5824.917	1.268516E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	5	4.4982E+07	10.19142	9388.894	0	5810.042	1.274629E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	6	4.4982E+07	10.18925	9356.187	0	5794.255	1.281025E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	7	4.4982E+07	10.18706	9323.321	0	5778.488	1.287504E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	8	4.4982E+07	10.18502	9292.701	0	5764.08	1.293594E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	9	4.4982E+07	10.18302	9262.962	0	5750.042	1.299554E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	10	4.4982E+07	10.18054	9226.076	0	5731.684	1.30701E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	11	4.4982E+07	10.17877	9199.795	0	5719.735	1.312368E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	0	4.4982E+07	10.17721	9176.763	0	5709.928	1.317096E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	1	4.4982E+07	10.17563	9153.569	0	5699.998	1.321884E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	2	4.4982E+07	10.17417	9132.168	0	5690.873	1.326329E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	3	4.4982E+07	10.16973	9067.216	0	5654.856	1.339976E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	4	4.4982E+07	10.15958	8920.417	0	5567.549	1.371711E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	5	4.4982E+07	10.15749	8890.57	0	5553.538	1.378321E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	6	4.4982E+07	10.15532	8859.604	0	5538.648	1.385234E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	7	4.4982E+07	10.15313	8828.489	0	5523.781	1.39224E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	8	4.4982E+07	10.15109	8799.501	0	5510.213	1.398823E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	9	4.4982E+07	10.14909	8771.346	0	5496.991	1.405267E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	10	4.4982E+07	10.14661	8736.424	0	5479.643	1.413328E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	11	4.4982E+07	10.14484	8711.543	0	5468.415	1.419121E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	0	4.4982E+07	10.14328	8689.739	0	5459.241	1.42423E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	1	4.4982E+07	10.1417	8667.782	0	5449.947	1.429408E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	2	4.4982E+07	10.1403	8648.221	0	5441.703	1.434047E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	3	4.4982E+07	10.13585	8586.711	0	5407.458	1.448802E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	4	4.4982E+07	10.1257	8447.687	0	5324.153	1.483115E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	5	4.4982E+07	10.12361	8419.427	0	5310.959	1.490262E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	6	4.4982E+07	10.12144	8390.108	0	5296.917	1.497733E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	7	4.4982E+07	10.11926	8360.648	0	5282.903	1.505308E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	8	4.4982E+07	10.11721	8333.203	0	5270.129	1.512426E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	9	4.4982E+07	10.11522	8306.546	0	5257.679	1.51939E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	10	4.4982E+07	10.11273	8273.481	0	5241.286	1.528105E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	11	4.4982E+07	10.11096	8249.924	0	5230.74	1.534365E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	0	4.4982E+07	10.1094	8229.281	0	5222.164	1.539889E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	1	4.4982E+07	10.10783	8208.494	0	5213.472	1.545485E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	2	4.4982E+07	10.10642	8189.974	0	5205.764	1.550497E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	3	4.4982E+07	10.10198	8131.73	0	5173.201	1.56645E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	4	4.4982E+07	10.09183	8000.078	0	5093.691	1.603549E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	5	4.4982E+07	10.08974	7973.323	0	5081.272	1.611273E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	6	4.4982E+07	10.08757	7945.563	0	5068.033	1.619351E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	7	4.4982E+07	10.08538	7917.67	0	5054.825	1.627537E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	8	4.4982E+07	10.08334	7891.684	0	5042.803	1.635229E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	9	4.4982E+07	10.08134	7866.446	0	5031.083	1.642759E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	10	4.4982E+07	10.07886	7835.139	0	5015.596	1.652181E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2022	11	4.4982E+07	10.07709	7812.836	0	5005.695	1.65895E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	0	4.4982E+07	10.07553	7793.292	0	4997.685	1.664919E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	1	4.4982E+07	10.07396	7773.613	0	4989.564	1.670965E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	2	4.4982E+07	10.07255	7756.079	0	4982.364	1.676384E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	3	4.4982E+07	10.06811	7700.928	0	4951.393	1.693629E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	4	4.4982E+07	10.05796	7576.255	0	4875.477	1.733741E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	5	4.4982E+07	10.05587	7550.923	0	4863.79	1.742087E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	6	4.4982E+07	10.0537	7524.641	0	4851.312	1.750821E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	7	4.4982E+07	10.05152	7498.231	0	4838.867	1.759672E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	8	4.4982E+07	10.04947	7473.628	0	4827.558	1.767984E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	9	4.4982E+07	10.04748	7449.732	0	4816.528	1.776121E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	10	4.4982E+07	10.045	7420.09	0	4801.898	1.786305E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	11	4.4982E+07	10.04323	7398.975	0	4792.609	1.793623E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	0	4.4982E+07	10.04167	7380.472	0	4785.135	1.800073E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	1	4.4982E+07	10.0401	7361.841	0	4777.554	1.806609E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	2	4.4982E+07	10.03864	7344.65	0	4770.596	1.81268E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	3	4.4982E+07	10.0342	7292.435	0	4741.136	1.831318E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	4	4.4982E+07	10.02405	7174.391	0	4668.632	1.874687E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	5	4.4982E+07	10.02196	7150.409	0	4657.641	1.883708E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	6	4.4982E+07	10.01979	7125.525	0	4645.883	1.893152E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	7	4.4982E+07	10.01761	7100.523	0	4634.163	1.902718E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	8	4.4982E+07	10.01556	7077.231	0	4623.528	1.911706E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	9	4.4982E+07	10.01357	7054.609	0	4613.154	1.9205E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	10	4.4982E+07	10.01109	7026.545	0	4599.336	1.931512E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	11	4.4982E+07	10.00932	7006.555	0	4590.626	1.939421E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	0	4.4982E+07	10.00776	6989.041	0	4583.661	1.946395E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	1	4.4982E+07	10.00619	6971.404	0	4576.591	1.953458E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	2	4.4982E+07	10.00479	6955.69	0	4570.328	1.959789E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	3	4.4982E+07	10.00035	6906.242	0	4542.292	1.979945E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	4	4.4982E+07	9.990191	6794.446	0	4473.006	2.026833E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	5	4.4982E+07	9.98811	6771.74	0	4462.671	2.036582E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	6	4.4982E+07	9.985941	6748.181	0	4451.595	2.046788E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	7	4.4982E+07	9.983754	6724.508	0	4440.56	2.05713E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	8	4.4982E+07	9.98171	6702.457	0	4430.563	2.066843E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	9	4.4982E+07	9.979719	6681.038	0	4420.81	2.076351E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	10	4.4982E+07	9.97724	6654.466	0	4407.76	2.088252E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	11	4.4982E+07	9.975468	6635.54	0	4399.598	2.096798E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	0	4.4982E+07	9.97391	6618.959	0	4393.113	2.104338E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	1	4.4982E+07	9.97234	6602.263	0	4386.527	2.11197E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	2	4.4982E+07	9.970936	6587.386	0	4380.695	2.118814E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	3	4.4982E+07	9.966496	6540.562	0	4354.011	2.140606E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	4	4.4982E+07	9.956344	6434.691	0	4287.775	2.191289E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	5	4.4982E+07	9.954261	6413.194	0	4278.063	2.201834E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	6	4.4982E+07	9.952093	6390.888	0	4267.631	2.212863E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	7	4.4982E+07	9.949907	6368.475	0	4257.245	2.224039E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	8	4.4982E+07	9.947864	6347.597	0	4247.853	2.234541E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	9	4.4982E+07	9.945873	6327.317	0	4238.686	2.244815E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	10	4.4982E+07	9.943395	6302.159	0	4226.364	2.257676E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	11	4.4982E+07	9.941623	6284.241	0	4218.721	2.266916E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	0	4.4982E+07	9.940066	6268.544	0	4212.69	2.275062E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	1	4.4982E+07	9.938496	6252.737	0	4206.563	2.283314E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	2	4.4982E+07	9.937093	6238.654	0	4201.14	2.290709E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	3	4.4982E+07	9.932654	6194.314	0	4175.735	2.314263E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	4	4.4982E+07	9.922502	6094.054	0	4112.387	2.369058E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	5	4.4982E+07	9.920421	6073.701	0	4103.264	2.380448E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	6	4.4982E+07	9.918253	6052.582	0	4093.443	2.392371E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	7	4.4982E+07	9.916068	6031.362	0	4083.671	2.404449E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	8	4.4982E+07	9.914025	6011.595	0	4074.851	2.415797E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2027	9	4.4982E+07	9.912035	5992.396	0	4066.24	2.426904E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	10	4.4982E+07	9.909556	5968.575	0	4054.606	2.440809E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	11	4.4982E+07	9.907785	5951.611	0	4047.455	2.450792E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	0	4.4982E+07	9.90623	5936.751	0	4041.855	2.459594E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	1	4.4982E+07	9.90466	5921.787	0	4036.162	2.468509E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	2	4.4982E+07	9.903208	5907.98	0	4030.946	2.476787E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	3	4.4982E+07	9.89877	5866	0	4006.756	2.502249E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	4	4.4982E+07	9.888618	5771.066	0	3946.151	2.56149E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	5	4.4982E+07	9.886538	5751.798	0	3937.586	2.573805E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	6	4.4982E+07	9.884372	5731.805	0	3928.345	2.586685E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	7	4.4982E+07	9.882187	5711.715	0	3919.155	2.599744E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	8	4.4982E+07	9.880145	5693.002	0	3910.877	2.612008E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	9	4.4982E+07	9.878156	5674.826	0	3902.792	2.624012E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	10	4.4982E+07	9.875678	5652.274	0	3891.812	2.63904E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	11	4.4982E+07	9.873907	5636.215	0	3885.126	2.649834E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	0	4.4982E+07	9.872353	5622.149	0	3879.935	2.659345E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	1	4.4982E+07	9.870783	5607.983	0	3874.653	2.668985E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	2	4.4982E+07	9.869381	5595.363	0	3869.983	2.677623E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	3	4.4982E+07	9.864944	5555.606	0	3846.938	2.705143E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	4	4.4982E+07	9.854793	5465.696	0	3788.917	2.769187E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	5	4.4982E+07	9.852713	5447.454	0	3780.881	2.782495E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	6	4.4982E+07	9.850547	5428.524	0	3772.188	2.796419E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	7	4.4982E+07	9.848363	5409.504	0	3763.547	2.810531E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	8	4.4982E+07	9.846322	5391.787	0	3755.782	2.823783E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	9	4.4982E+07	9.844333	5374.579	0	3748.196	2.836761E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	10	4.4982E+07	9.841856	5353.226	0	3737.833	.0002853	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	11	4.4982E+07	9.840087	5338.022	0	3731.588	2.864657E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	0	4.4982E+07	9.838532	5324.706	0	3726.783	2.87494E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	1	4.4982E+07	9.836964	5311.296	0	3721.89	2.885354E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	2	4.4982E+07	9.835562	5299.349	0	3717.567	2.894692E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	3	4.4982E+07	9.831126	5261.702	0	3695.607	2.924438E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	4	4.4982E+07	9.820975	5176.553	0	3640.039	2.993667E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	5	4.4982E+07	9.818895	5159.282	0	3632.502	3.008053E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	6	4.4982E+07	9.81673	5141.36	0	3624.328	3.0231E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	7	4.4982E+07	9.814548	5123.352	0	3616.209	3.038349E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	8	4.4982E+07	9.812507	5106.578	0	3608.93	3.052675E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	9	4.4982E+07	9.810519	5090.286	0	3601.815	3.066691E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	10	4.4982E+07	9.808043	5070.068	0	3592.037	3.084247E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	11	4.4982E+07	9.806273	5055.676	0	3586.209	3.096849E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	0	4.4982E+07	9.80472	5043.069	0	3581.77	3.107957E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	1	4.4982E+07	9.803152	5030.375	0	3577.245	3.119209E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	2	4.4982E+07	9.801752	5019.065	0	3573.25	3.12929E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	3	4.4982E+07	9.797317	4983.415	0	3552.318	3.161446E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	4	4.4982E+07	9.787167	4902.775	0	3499.072	3.236279E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	5	4.4982E+07	9.785088	4886.424	0	3492.009	3.251824E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	6	4.4982E+07	9.782923	4869.456	0	3484.325	3.26809E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	7	4.4982E+07	9.780741	4852.406	0	3476.7	3.284568E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	8	4.4982E+07	9.778701	4836.525	0	3469.881	3.300047E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	9	4.4982E+07	9.776713	4821.101	0	3463.213	3.315199E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	10	4.4982E+07	9.774239	4801.958	0	3453.989	3.334163E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	11	4.4982E+07	9.77247	4788.332	0	3448.556	3.347779E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	0	4.4982E+07	9.770918	4776.398	0	3444.463	3.359781E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	1	4.4982E+07	9.76935	4764.382	0	3440.287	3.371944E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	2	4.4982E+07	9.7679	4753.294	0	3436.471	3.383229E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	3	4.4982E+07	9.763467	4719.541	0	3416.516	3.417979E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	4	4.4982E+07	9.753318	4643.183	0	3365.474	3.498876E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	5	4.4982E+07	9.75124	4627.703	0	3358.86	3.515675E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	6	4.4982E+07	9.749076	4611.639	0	3351.642	3.533253E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2032	7	4.4982E+07	9.746895	4595.499	0	3344.485	3.55106E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	8	4.4982E+07	9.744856	4580.465	0	3338.101	3.567787E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	9	4.4982E+07	9.742869	4565.863	0	3331.856	3.584161E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	10	4.4982E+07	9.740395	4547.74	0	3323.157	3.604663E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	11	4.4982E+07	9.738627	4534.841	0	3318.098	3.619376E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	0	4.4982E+07	9.737076	4523.545	0	3314.333	3.632343E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	1	4.4982E+07	9.735509	4512.171	0	3310.488	3.645485E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	2	4.4982E+07	9.73411	4502.036	0	3307.097	3.657259E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	3	4.4982E+07	9.729676	4470.07	0	3288.063	3.694824E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	4	4.4982E+07	9.719527	4397.749	0	3239.098	3.782274E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	5	4.4982E+07	9.71745	4383.093	0	3232.908	3.800424E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	6	4.4982E+07	9.715288	4367.884	0	3226.13	3.81941E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	7	4.4982E+07	9.713107	4352.603	0	3219.416	3.838659E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	8	4.4982E+07	9.711069	4338.37	0	3213.444	3.856733E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	9	4.4982E+07	9.709084	4324.545	0	3207.6	3.874423E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	10	4.4982E+07	9.70661	4307.387	0	3199.397	3.896578E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	11	4.4982E+07	9.704844	4295.175	0	3194.692	3.912473E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	0	4.4982E+07	9.703293	4284.482	0	3191.238	3.926482E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	1	4.4982E+07	9.701727	4273.715	0	3187.705	3.940679E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	2	4.4982E+07	9.700329	4264.122	0	3184.593	3.953398E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	3	4.4982E+07	9.695896	4233.851	0	3166.431	3.993996E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	4	4.4982E+07	9.685748	4165.356	0	3119.438	4.088517E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	5	4.4982E+07	9.683672	4151.482	0	3113.649	4.108129E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	6	4.4982E+07	9.68151	4137.083	0	3107.288	4.128652E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	7	4.4982E+07	9.679331	4122.615	0	3100.992	4.149441E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	8	4.4982E+07	9.677294	4109.14	0	3095.411	4.168969E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	9	4.4982E+07	9.675308	4096.052	0	3089.946	4.188092E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	10	4.4982E+07	9.672836	4079.806	0	3082.213	4.212021E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	11	4.4982E+07	9.67107	4068.246	0	3077.843	4.229203E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	0	4.4982E+07	9.66952	4058.124	0	3074.683	4.244336E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	1	4.4982E+07	9.667955	4047.931	0	3071.446	4.259674E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	2	4.4982E+07	9.666558	4038.85	0	3068.598	4.273413E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	3	4.4982E+07	9.662127	4010.185	0	3051.263	4.317288E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	4	4.4982E+07	9.651979	3945.314	0	3006.135	4.419451E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	5	4.4982E+07	9.649904	3932.179	0	3000.728	4.44064E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	6	4.4982E+07	9.647743	3918.546	0	2994.761	4.462814E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	7	4.4982E+07	9.645565	3904.849	0	2988.862	4.485275E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	8	4.4982E+07	9.643529	3892.092	0	2983.65	4.506374E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	9	4.4982E+07	9.641544	3879.701	0	2978.544	4.527035E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	10	4.4982E+07	9.639072	3864.319	0	2971.255	4.552901E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	11	4.4982E+07	9.637308	3853.375	0	2967.203	4.571453E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	0	4.4982E+07	9.635759	3843.794	0	2964.321	4.587801E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	1	4.4982E+07	9.634195	3834.146	0	2961.364	4.60437E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	2	4.4982E+07	9.63275	3825.243	0	2958.674	4.619739E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	3	4.4982E+07	9.628319	3798.102	0	2942.123	4.667159E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	4	4.4982E+07	9.618174	3736.673	0	2898.767	4.77758E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	5	4.4982E+07	9.616099	3724.239	0	2893.72	4.800475E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	6	4.4982E+07	9.613939	3711.333	0	2888.127	4.824435E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	7	4.4982E+07	9.611762	3698.365	0	2882.604	4.848707E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	8	4.4982E+07	9.609727	3686.289	0	2877.743	4.871504E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	9	4.4982E+07	9.607744	3674.56	0	2872.977	4.893817E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	10	4.4982E+07	9.605273	3659.997	0	2866.11	4.921769E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	11	4.4982E+07	9.603509	3649.638	0	2862.358	4.941824E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	0	4.4982E+07	9.601962	3640.569	0	2859.74	4.959474E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	1	4.4982E+07	9.600399	3631.437	0	2857.049	4.977374E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	2	4.4982E+07	9.599004	3623.301	0	2854.688	4.993406E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	3	4.4982E+07	9.594573	3597.596	0	2838.876	5.044662E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	4	4.4982E+07	9.584429	3539.411	0	2797.19	5.164003E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2037	5	4.4982E+07	9.582355	3527.639	0	2792.484	5.188739E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	6	4.4982E+07	9.580196	3515.42	0	2787.246	5.214626E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	7	4.4982E+07	9.57802	3503.144	0	2782.078	5.240848E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	8	4.4982E+07	9.575986	3491.711	0	2777.548	5.265478E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	9	4.4982E+07	9.574004	3480.607	0	2773.104	5.289584E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	10	4.4982E+07	9.571534	3466.819	0	2766.636	5.319784E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	11	4.4982E+07	9.569772	3457.012	0	2763.168	5.341438E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	0	4.4982E+07	9.568225	3448.428	0	2760.8	5.360516E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	1	4.4982E+07	9.566664	3439.784	0	2758.361	5.37984E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	2	4.4982E+07	9.565269	3432.083	0	2756.223	5.397168E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	3	4.4982E+07	9.560841	3407.741	0	2741.113	5.452533E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	4	4.4982E+07	9.550696	3352.632	0	2701.011	5.581522E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	5	4.4982E+07	9.548624	3341.487	0	2696.628	5.608246E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	6	4.4982E+07	9.546467	3329.919	0	2691.725	5.6362E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	7	4.4982E+07	9.544291	3318.297	0	2686.894	5.66453E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	8	4.4982E+07	9.542258	3307.473	0	2682.678	5.691139E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	9	4.4982E+07	9.540277	3296.96	0	2678.538	5.717181E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	10	4.4982E+07	9.537809	3283.906	0	2672.448	5.749798E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	11	4.4982E+07	9.536048	3274.623	0	2669.25	5.773188E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	0	4.4982E+07	9.534502	3266.498	0	2667.118	5.793796E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	1	4.4982E+07	9.532941	3258.316	0	2664.916	5.814681E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	2	4.4982E+07	9.531548	3251.026	0	2662.991	5.833385E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	3	4.4982E+07	9.527121	3227.974	0	2648.545	5.893211E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	4	4.4982E+07	9.516977	3175.778	0	2609.943	6.032612E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	5	4.4982E+07	9.514907	3165.227	0	2605.866	6.061469E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	6	4.4982E+07	9.51275	3154.276	0	2601.28	6.091683E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	7	4.4982E+07	9.510575	3143.272	0	2596.767	6.122289E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	8	4.4982E+07	9.508544	3133.026	0	2592.849	6.151021E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	9	4.4982E+07	9.506564	3123.073	0	2588.998	6.179154E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	10	4.4982E+07	9.504097	3110.714	0	2583.265	6.214392E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	11	4.4982E+07	9.502337	3101.926	0	2580.323	6.239646E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	0	4.4982E+07	9.500793	3094.236	0	2578.414	6.261904E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	1	4.4982E+07	9.499233	3086.491	0	2576.438	6.284449E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	2	4.4982E+07	9.497791	3079.345	0	2574.651	6.305371E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	3	4.4982E+07	9.493365	3057.518	0	2560.837	6.370024E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	4	4.4982E+07	9.483224	3008.088	0	2523.658	6.520675E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	5	4.4982E+07	9.481154	2998.1	0	2519.871	6.551853E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	6	4.4982E+07	9.478999	2987.733	0	2515.586	6.584481E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	7	4.4982E+07	9.476827	2977.317	0	2511.375	6.617535E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	8	4.4982E+07	9.474796	2967.617	0	2507.738	6.648576E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	9	4.4982E+07	9.472817	2958.196	0	2504.161	6.67897E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	10	4.4982E+07	9.470352	2946.495	0	2498.767	6.717028E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	11	4.4982E+07	9.468593	2938.176	0	2496.066	6.744325E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	0	4.4982E+07	9.46705	2930.898	0	2494.369	6.768354E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	1	4.4982E+07	9.465491	2923.568	0	2492.606	6.792708E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	2	4.4982E+07	9.4641	2917.037	0	2491.072	6.814527E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	3	4.4982E+07	9.459675	2896.365	0	2477.851	6.884386E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	4	4.4982E+07	9.449534	2849.542	0	2442.015	7.047186E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	5	4.4982E+07	9.447467	2840.088	0	2438.502	7.08085E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	6	4.4982E+07	9.445313	2830.272	0	2434.501	7.116098E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	7	4.4982E+07	9.443141	2820.411	0	2430.576	7.151804E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	8	4.4982E+07	9.441112	2811.229	0	2427.206	7.185335E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	9	4.4982E+07	9.439135	2802.31	0	2423.887	7.218152E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	10	4.4982E+07	9.43667	2791.231	0	2418.813	7.259267E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	11	4.4982E+07	9.434913	2783.357	0	2416.341	7.288734E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	0	4.4982E+07	9.433371	2776.468	0	2414.846	7.314687E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	1	4.4982E+07	9.431814	2769.531	0	2413.285	7.340974E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	2	4.4982E+07	9.430424	2763.35	0	2411.93	7.364539E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2042	3	4.4982E+07	9.426	2743.773	0	2399.273	7.440019E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	4	4.4982E+07	9.415861	2699.422	0	2364.71	7.615926E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	5	4.4982E+07	9.413795	2690.472	0	2361.457	7.65229E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	6	4.4982E+07	9.411641	2681.179	0	2357.725	7.690365E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	7	4.4982E+07	9.409472	2671.844	0	2354.071	7.728919E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	8	4.4982E+07	9.407444	2663.151	0	2350.953	7.765122E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	9	4.4982E+07	9.405468	2654.708	0	2347.879	7.800569E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	10	4.4982E+07	9.403005	2644.219	0	2343.109	7.844984E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	11	4.4982E+07	9.401249	2636.766	0	2340.853	7.876795E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	0	4.4982E+07	9.399708	2630.245	0	2339.548	7.904824E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	1	4.4982E+07	9.398152	2623.679	0	2338.178	7.933215E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	2	4.4982E+07	9.396764	2617.829	0	2336.993	7.958646E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	3	4.4982E+07	9.392342	2599.289	0	2324.871	8.04018E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	4	4.4982E+07	9.382204	2557.28	0	2291.513	8.230258E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	5	4.4982E+07	9.380138	2548.806	0	2288.506	8.269537E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	6	4.4982E+07	9.377987	2540.009	0	2285.029	8.310647E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	7	4.4982E+07	9.375818	2531.171	0	2281.631	8.352292E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	8	4.4982E+07	9.373793	2522.943	0	2278.752	8.391378E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	9	4.4982E+07	9.371819	2514.95	0	2275.91	8.429646E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	10	4.4982E+07	9.369357	2505.019	0	2271.427	8.477606E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	11	4.4982E+07	9.367601	2497.964	0	2269.377	8.511983E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	0	4.4982E+07	9.366063	2491.793	0	2268.251	8.542216E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	1	4.4982E+07	9.36451	2485.578	0	2267.062	8.572858E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	2	4.4982E+07	9.363072	2479.844	0	2266.003	8.601303E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	3	4.4982E+07	9.358651	2462.288	0	2254.387	8.689403E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	4	4.4982E+07	9.348516	2422.502	0	2222.174	8.89479E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	5	4.4982E+07	9.346453	2414.482	0	2219.399	8.937181E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	6	4.4982E+07	9.344302	2406.154	0	2216.164	8.981591E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	7	4.4982E+07	9.342135	2397.788	0	2213.01	9.026558E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	8	4.4982E+07	9.340111	2389.999	0	2210.356	9.068779E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	9	4.4982E+07	9.338139	2382.433	0	2207.734	9.110097E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	10	4.4982E+07	9.335678	2373.031	0	2203.524	9.161909E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	11	4.4982E+07	9.333925	2366.354	0	2201.667	9.198998E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	0	4.4982E+07	9.332388	2360.514	0	2200.712	9.231652E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	1	4.4982E+07	9.330835	2354.633	0	2199.695	9.264746E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	2	4.4982E+07	9.32945	2349.393	0	2198.824	9.294384E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	3	4.4982E+07	9.32503	2332.766	0	2187.686	9.389541E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	4	4.4982E+07	9.314896	2295.075	0	2156.551	9.611456E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	5	4.4982E+07	9.312834	2287.483	0	2153.998	9.657242E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	6	4.4982E+07	9.310685	2279.599	0	2150.991	9.705186E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	7	4.4982E+07	9.308519	2271.679	0	2148.066	9.753755E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	8	4.4982E+07	9.306498	2264.306	0	2145.627	9.799313E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	9	4.4982E+07	9.304526	2257.144	0	2143.212	9.843938E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	10	4.4982E+07	9.302068	2248.243	0	2139.26	9.89988E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	11	4.4982E+07	9.300316	2241.922	0	2137.587	9.939935E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	0	4.4982E+07	9.29878	2236.395	0	2136.793	9.975175E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	1	4.4982E+07	9.29723	2230.829	0	2135.938	1.001089E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	2	4.4982E+07	9.295845	2225.87	0	2135.213	1.004289E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	3	4.4982E+07	9.291428	2210.123	0	2124.528	1.014567E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	4	4.4982E+07	9.281294	2174.419	0	2094.416	1.038543E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	5	4.4982E+07	9.279234	2167.232	0	2092.071	1.043486E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	6	4.4982E+07	9.277088	2159.769	0	2089.281	1.048659E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	7	4.4982E+07	9.274924	2152.271	0	2086.573	1.053903E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	8	4.4982E+07	9.272903	2145.292	0	2084.337	1.058823E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	9	4.4982E+07	9.270933	2138.512	0	2082.119	1.063642E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	10	4.4982E+07	9.268477	2130.085	0	2078.411	1.06968E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	11	4.4982E+07	9.266726	2124.102	0	2076.913	1.074006E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	0	4.4982E+07	9.265193	2118.872	0	2076.271	1.077808E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

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2047	1	4.4982E+07	9.263644	2113.604	0	2075.57	1.081663E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	2	4.4982E+07	9.262261	2108.912	0	2074.981	1.085116E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	3	4.4982E+07	9.257846	2093.998	0	2064.726	1.096216E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	4	4.4982E+07	9.247714	2060.176	0	2035.583	1.122117E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	5	4.4982E+07	9.245655	2053.372	0	2033.435	1.127454E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	6	4.4982E+07	9.243511	2046.307	0	2030.85	1.133039E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	7	4.4982E+07	9.241349	2039.209	0	2028.349	.0011387	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	8	4.4982E+07	9.239329	2032.602	0	2026.304	1.144013E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	9	4.4982E+07	9.237362	2026.185	0	2024.273	1.149213E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	10	4.4982E+07	9.234907	2018.206	0	2020.796	1.155733E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	11	4.4982E+07	9.233159	2012.543	0	2019.462	1.160399E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	0	4.4982E+07	9.231627	2007.594	0	2018.965	1.164503E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	1	4.4982E+07	9.230081	2002.609	0	2018.409	1.168662E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	2	4.4982E+07	9.22865	1998.01	0	2017.934	1.172522E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	3	4.4982E+07	9.224236	1983.887	0	2008.086	1.184511E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	4	4.4982E+07	9.214107	1951.852	0	1979.863	1.212492E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	5	4.4982E+07	9.212051	1945.412	0	1977.903	1.21825E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	6	4.4982E+07	9.209908	1938.724	0	1975.512	1.224282E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	7	4.4982E+07	9.207748	1932.006	0	1973.205	1.230392E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	8	4.4982E+07	9.205731	1925.753	0	1971.342	1.236126E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	9	4.4982E+07	9.203766	1919.678	0	1969.488	1.241738E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	10	4.4982E+07	9.201313	1912.125	0	1966.229	1.248778E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	11	4.4982E+07	9.199566	1906.766	0	1965.052	1.253817E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	0	4.4982E+07	9.198036	1902.082	0	1964.692	1.258246E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	1	4.4982E+07	9.196491	1897.365	0	1964.274	1.262734E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	2	4.4982E+07	9.195111	1893.163	0	1963.938	1.266757E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	3	4.4982E+07	9.1907	1879.786	0	1954.474	1.279704E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	4	4.4982E+07	9.180572	1849.435	0	1927.117	1.309928E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	5	4.4982E+07	9.178517	1843.34	0	1925.334	1.316145E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	6	4.4982E+07	9.176377	1837.009	0	1923.127	1.322653E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	7	4.4982E+07	9.174219	1830.649	0	1921.005	1.329249E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	8	4.4982E+07	9.172204	1824.73	0	1919.314	1.335437E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	9	4.4982E+07	9.17024	1818.98	0	1917.627	1.341495E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	10	4.4982E+07	9.167789	1811.829	0	1914.575	1.349095E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	11	4.4982E+07	9.166045	1806.756	0	1913.546	1.35453E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	0	4.4982E+07	9.164517	1802.325	0	1913.315	1.359308E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	1	4.4982E+07	9.162974	1797.861	0	1913.028	1.364151E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	2	4.4982E+07	9.161596	1793.885	0	1912.808	1.368491E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	3	4.4982E+07	9.157187	1781.215	0	1903.708	1.382471E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	4	4.4982E+07	9.14706	1752.461	0	1877.174	1.415117E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	5	4.4982E+07	9.145009	1746.692	0	1875.559	1.421824E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	6	4.4982E+07	9.14287	1740.698	0	1873.526	1.428851E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	7	4.4982E+07	9.140715	1734.678	0	1871.579	1.435967E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	8	4.4982E+07	9.138701	1729.075	0	1870.051	1.442645E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	9	4.4982E+07	9.13674	1723.632	0	1868.521	1.449183E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	10	4.4982E+07	9.134292	1716.862	0	1865.667	1.457383E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	11	4.4982E+07	9.132549	1712.062	0	1864.777	1.463248E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	0	4.4982E+07	9.131023	1707.868	0	1864.669	1.468403E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	1	4.4982E+07	9.129482	1703.644	0	1864.505	1.473628E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	2	4.4982E+07	9.128107	1699.882	0	1864.396	1.478307E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	3	4.4982E+07	9.123699	1687.882	0	1855.64	1.493402E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	4	4.4982E+07	9.113575	1660.641	0	1829.885	1.528661E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	5	4.4982E+07	9.111526	1655.179	0	1828.429	1.535899E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	6	4.4982E+07	9.109389	1649.506	0	1826.56	1.54348E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	7	4.4982E+07	9.107236	1643.807	0	1824.779	1.55116E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	8	4.4982E+07	9.105226	1638.504	0	1823.405	1.558364E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	9	4.4982E+07	9.103266	1633.352	0	1822.026	1.565419E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	10	4.4982E+07	9.10082	1626.943	0	1819.357	1.57427E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2051	11	4.4982E+07	9.099079	1622.399	0	1818.599	1.580598E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2052	0	4.4982E+07	9.097556	1618.431	0	1818.608	1.586157E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2052	1	4.4982E+07	9.096018	1614.434	0	1818.561	1.59179E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

Acidic Pumpage Into Pit

*** MINEWALL 2.0 REPORT ***

BELL MINE PIT

Printed on 04-09-1995 at 15:28:35

** INPUT DATA **

OPERATION:
Simulations were performed on a Monthly Basis:
Starting Month/Year is 1/ 1985
Ending Month/Year is 4/ 1992
CLOSURE:
Simulations were performed on a Monthly Basis:
Starting Month/Year is 5/ 1992
Ending Month/Year is 1/ 2052

Geochemical Parameters in this simulation were:

pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)

Geochemical/Rock Units and their physicochemical characteristics were:

Unit Name	BFP	BBFP	QFP	TUFF	SEDS
Unit #	1	2	3	4	5
Rate - Control	1: TIME^[F]	1: TIME^[F]	1: TIME^[F]	1: TIME^[F]	1: TIME^[F]
- max 'd', m	.01	.01	.01	.01	.01
Years Exposed	6	6	17	10	12
Wall Area, m^2	141000	84500	56300	169000	113000
- %Area Sloping	50	50	50	50	50
- Slope Angle	40	40	40	40	40
Ratio Total/Wall	28	28	28	28	28
- %Flushed Reg	18	18	18	18	18
- %Flushed Per	2	2	2	2	2
- %Not Flushed	80	80	80	80	80
Reactive %S	2	2	2	2	2
React ppt CaCO3	40	40	40	40	40
Spec. Grav.	2.8	2.8	2.8	2.8	2.8
React Cu (ppm)	1900	1900	174	700	737

For each Geochemical Unit, the FACTOR in the rate-control equation was:

Unit	1	2	3	4	5
Factor	-.1	-.1	-.1	-.1	-.1

Periodic, non-regular fracture flushing over an annual period was:

Time	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
1	0	0	0	0	0
2	0	0	0	0	0
3	0	0	0	0	0
4	1	1	1	1	1
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	0	0	0	0	0
11	1	1	1	1	1
12	0	0	0	0	0

The following rates are decreased to 0 % when the Units are submerged

For each Geochemical Unit, the following rate information was used:
UNIT # 1
Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
1	0	21.7	21.7	69.4	7.1	.00213
2	0	21.7	21.7	69.4	7.1	.00213
3	0	21.7	21.7	69.4	7.1	.00213
4	0	21.7	21.7	69.4	7.1	.00213
5	0	21.7	21.7	69.4	7.1	.00213
6	0	21.7	21.7	69.4	7.1	.00213
7	0	21.7	21.7	69.4	7.1	.00213
8	0	21.7	21.7	69.4	7.1	.00213
9	0	21.7	21.7	69.4	7.1	.00213
10	0	21.7	21.7	69.4	7.1	.00213
11	0	21.7	21.7	69.4	7.1	.00213
12	0	21.7	21.7	69.4	7.1	.00213

Adjusted Fresh Rates (at time of initial exposure):
* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03
8	0	46.82784	46.82784	149.7628	15.32155	4.596466E-03

UNIT # 2
Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
1	0	47.7	47.7	115	7.3	.00349
2	0	47.7	47.7	115	7.3	.00349
3	0	47.7	47.7	115	7.3	.00349

4	0	47.7	47.7	115	7.3	.00349
5	0	47.7	47.7	115	7.3	.00349
6	0	47.7	47.7	115	7.3	.00349
7	0	47.7	47.7	115	7.3	.00349
8	0	47.7	47.7	115	7.3	.00349
9	0	47.7	47.7	115	7.3	.00349
10	0	47.7	47.7	115	7.3	.00349
11	0	47.7	47.7	115	7.3	.00349
12	0	47.7	47.7	115	7.3	.00349

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03
8	0	102.9349	102.9349	248.166	15.75315	7.531298E-03

UNIT # 3

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
1	0	28.6	28.6	57.9	7.2	.00604
2	0	28.6	28.6	57.9	7.2	.00604
3	0	28.6	28.6	57.9	7.2	.00604
4	0	28.6	28.6	57.9	7.2	.00604
5	0	28.6	28.6	57.9	7.2	.00604
6	0	28.6	28.6	57.9	7.2	.00604
7	0	28.6	28.6	57.9	7.2	.00604
8	0	28.6	28.6	57.9	7.2	.00604
9	0	28.6	28.6	57.9	7.2	.00604
10	0	28.6	28.6	57.9	7.2	.00604
11	0	28.6	28.6	57.9	7.2	.00604
12	0	28.6	28.6	57.9	7.2	.00604

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02
8	0	68.49206	68.49206	138.6605	17.24276	1.446476E-02

UNIT # 4

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
1	0	286	286	253	6.4	.044
2	0	286	286	253	6.4	.044
3	0	286	286	253	6.4	.044
4	0	286	286	253	6.4	.044
5	0	286	286	253	6.4	.044
6	0	286	286	253	6.4	.044
7	0	286	286	253	6.4	.044
8	0	286	286	253	6.4	.044
9	0	286	286	253	6.4	.044
10	0	286	286	253	6.4	.044
11	0	286	286	253	6.4	.044
12	0	286	286	253	6.4	.044

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268
8	0	649.5242	649.5242	574.5791	14.53481	.0999268

UNIT # 5

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
1	0	27.9	27.9	45.2	7	.126
2	0	27.9	27.9	45.2	7	.126
3	0	27.9	27.9	45.2	7	.126
4	0	27.9	27.9	45.2	7	.126
5	0	27.9	27.9	45.2	7	.126
6	0	27.9	27.9	45.2	7	.126
7	0	27.9	27.9	45.2	7	.126
8	0	27.9	27.9	45.2	7	.126
9	0	27.9	27.9	45.2	7	.126
10	0	27.9	27.9	45.2	7	.126

11	0	27.9	27.9	45.2	7	.126
12	0	27.9	27.9	45.2	7	.126

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Cu mg/m^2/d
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191
8	0	64.52851	64.52851	104.5408	16.18995	.2914191

Rate Acceleration Factor for each Unit when NP was depleted was:

Unit # 1	2.36
Unit # 2	2.36
Unit # 3	2.36
Unit # 4	2.36
Unit # 5	2.36

Mine dimensions and distribution of Geochemical Units in the mine were:

* PIT DIM'S

Important Pts.	Elev. (masl)	Cum.Vol.(m^3)	Area (m^2)	Unit# 1 (Cum.%)	Unit# 2 (Cum.%)	Unit# 3 (Cum.%)	Unit# 4 (Cum.%)	Unit# 5 (Cum.%)
Drain Level	790	5.17E+07	1000000	100	100	100	100	100
753	5.17E+07	563000	98	100	90	90	80	
Equil. Level	750	5E+07	533000	98	100	90	90	80
700	3.07E+07	275000	90	100	50	65	60	
650	1.7E+07	205000	80	95	30	20	25	
600	7700000	145000	60	50	10	10	15	
550	2300000	66000	40	2	0	0	10	
500	700000	20700	30	0	0	0	7	
Bottom of Mine	475	0	12800	20	0	0	0	3

Characteristics of the Layers during Operation (Mine Bottom) and During Closure (others), if selected, were:

LAYER NUMBER:	0	1
LAYER NAME:	Mine Bottom	Flooding Pit
FLOWS:...	0	
-Precip (%)	100	100
-Evap (%)	100	100
-Runoff (%)	100	100
-Sat Flow (%)	100	100
-Pump#1 (%)	100	100
-Pump#2 (%)	100	100

CHEM:...
- -Mass Balance
- -Set Value
- -Equilibrium
- -Kinetic
- -Empirical

The geochemical controls for each Parameter in each layer were:

LAYER NUMBER:	0	1
pH	L= 1Ac+ 1	L= 1Ac+ 1
Alk (mg/L)	L= .698pH+-3.14	L= .698pH+-3.14
Acid (mg/L)	L=-.36pH+ 3.86	L=-.36pH+ 3.86
SO4 (mg/L)	Mass balance	Mass balance
Cu (mg/L)	L=-1.00pH+ 6.30	L=-1.00pH+ 6.30

The information used for each of the flows was:

* PIT PRECIP

* OPERATION

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	.0000774	5	0	0	0	0
2	.0000607	5	0	0	0	0
3	.0001322	5	0	0	0	0
4	.00043	5	0	0	0	0
5	.001293	5	0	0	0	0
6	.00164	5	0	0	0	0
7	.00153	5	0	0	0	0
8	.00121	5	0	0	0	0
9	.00126	5	0	0	0	0
10	.00114	5	0	0	0	0
11	.000377	5	0	0	0	0
12	.0000548	5	0	0	0	0

* CLOSURE

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	.00125	5	0	0	0	0
6	.00164	5	0	0	0	0
7	.00153	5	0	0	0	0
8	.00121	5	0	0	0	0
9	.00126	5	0	0	0	0

10	.00114	5	0	0	0	0
11	.000377	5	0	0	0	0
12	.0000548	5	0	0	0	0
1	.0000774	5	0	0	0	0
2	.0000607	5	0	0	0	0
3	.000132	5	0	0	0	0
4	.00043	5	0	0	0	0

* PIT SATUR GW
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	1009	7	200	10	100	.005
2	1009	7	200	10	100	.005
3	1009	7	200	10	100	.005
4	1009	7	200	10	100	.005
5	1009	7	200	10	100	.005
6	1009	7	200	10	100	.005
7	1009	7	200	10	100	.005
8	1009	7	200	10	100	.005
9	1009	7	200	10	100	.005
10	1009	7	200	10	100	.005
11	1009	7	200	10	100	.005
12	1009	7	200	10	100	.005

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	1009	7	200	10	100	.005
6	1009	7	200	10	100	.005
7	1009	7	200	10	100	.005
8	1009	7	200	10	100	.005
9	1009	7	200	10	100	.005
10	1009	7	200	10	100	.005
11	1009	7	200	10	100	.005
12	1009	7	200	10	100	.005
1	1009	7	200	10	100	.005
2	1009	7	200	10	100	.005
3	1009	7	200	10	100	.005
4	1009	7	200	10	100	.005

* PIT RUNOFF
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	1710	0	0	0	0	0
4	5290	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	1710	0	0	0	0	0
4	5290	0	0	0	0	0

* PIT EVAP
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	-416	0	0	0	0	0
6	-547	0	0	0	0	0
7	-510	0	0	0	0	0
8	-403	0	0	0	0	0
9	-420	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	-416	0	0	0	0	0
6	-547	0	0	0	0	0
7	-510	0	0	0	0	0
8	-403	0	0	0	0	0
9	-420	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0

* PIT PUMP #1
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	3400	2.5	0	3420	10000	781
6	3400	2.5	0	3420	10000	781
7	3400	2.5	0	3420	10000	781
8	3400	2.5	0	3420	10000	781
9	3400	2.5	0	3420	10000	781
10	3400	2.5	0	3420	10000	781
11	3400	2.5	0	3420	10000	781
12	3400	2.5	0	3420	10000	781
1	3400	2.5	0	3420	10000	781
2	3400	2.5	0	3420	10000	781
3	3400	2.5	0	3420	10000	781
4	3400	2.5	0	3420	10000	781

* PIT PUMP #2
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Cu (mg/L)
5	0	0	0	0	0	0
6	0	0	0	0	0	0
7	0	0	0	0	0	0
8	0	0	0	0	0	0
9	0	0	0	0	0	0
10	0	0	0	0	0	0
11	0	0	0	0	0	0
12	0	0	0	0	0	0
1	0	0	0	0	0	0
2	0	0	0	0	0	0
3	0	0	0	0	0	0
4	0	0	0	0	0	0

During Operation, Pump #2 was adjusted to obtain no net accumulation of water

** SIMULATION RESULTS **

* OPERATION *

Non-cumulative Total Loadings and Flows Per Time Interval:

YEAR	Month	Flow (m^3/int)	pH(mg/interval)	Alk(mg/int)	Aci(mg/int)	SO4(mg/int)	Cu (mg/int)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4:NP rem.(kg)	5:S rem.(kg)	5:NP (kg)	Pump #2(m^3/d)	Water Elev (m)
1985	1	161193.8	1.118759E+09	6.549623E+10	2.630557E+10	4.038113E+10	6748415	2467390	4318822	1420453	2281818	897638.9	1306606	930051.2	470434.8	1876318	3277518	-161193.8	475
1985	2	144659.2	1.005816E+09	5.914282E+10	2.375023E+10	3.64636E+10	6093347	2466460	4309902	1419229	2272959	897149.2	1303632	915356.2	431436.2	1875360	3272859	-144659.2	475
1985	3	376631.4	1.135747E+09	6.546054E+10	2.628272E+10	4.035829E+10	6743704	2465432	4300032	1417874	2263158	896607.1	1300340	899093.8	388277.9	1874299	3267703	-376631.4	475
1985	4	811950	1.18845E+09	7.803752E+10	3.605822E+10	4.967972E+10	9088607	2464437	4290488	1416563	2253680	896082.7	1297155	883362.3	346528.6	1873272	3262714	-811950	475
1985	5	197873	1.495595E+09	6.542412E+10	2.625938E+10	4.033495E+10	6738877	2463410	4280632	1415210	2243893	895541	1293864	867113.4	303406.2	1872212	3257561	-197873	475
1985	6	200520	1.55145E+09	6.329677E+10	2.540145E+10	3.902297E+10	6519250	2462416	4271101	1413902	2234428	895016.8	1290681	851395	261691.7	1871186	3252576	-200520	475
1985	7	203825	1.569065E+09	6.538813E+10	2.623629E+10	4.031185E+10	6734099	2461390	4261259	1412550	2224654	894475.3	1287392	835159.6	218605.1	1870127	3247427	-203825	475
1985	8	193936	1.469865E+09	6.536974E+10	2.622446E+10	4.030001E+10	6731650	2460365	4251424	1411200	2214887	893934	1284104	818931.1	175536.8	1869068	3242279	-193936	475
1985	9	189150	1.43745E+09	6.324446E+10	2.536785E+10	3.898937E+10	6512289	2459374	4241912	1409894	2205441	893410.1	1280923	803232.3	133874.3	1868043	3237299	-189150	475
1985	10	227075	1.448165E+09	6.533442E+10	2.620175E+10	4.02773E+10	6726944	2458350	4232090	1408545	2195687	892869.1	1277637	787017.2	90841.19	1866985	3232155	-227075	475
1985	11	173970	1.17255E+09	8.93596E+10	4.426167E+10	5.788316E+10	1.107138E+07	2457360	4222590	1407241	2186253	892345.5	1274457	771331.2	49212.6	1865961	3227179	-173970	475
1986	0	159792.6	1.111753E+09	6.529959E+10	2.617931E+10	4.025485E+10	6722271	2456338	4212781	1405894	2176512	891804.7	1271172	755129.2	6214.369	1864903	3222038	-159792.6	475
1986	1	161193.8	1.118759E+09	6.211566E+10	2.604322E+10	4.011871E+10	6693837	2455323	4203048	1404558	2166847	891265.5	1267898	739007.3	-.185856	1863850	3216919	-161193.8	475
1986	2	144659.2	1.005816E+09	4.486988E+10	2.351435E+10	3.622775E+10	6044254	2454408	4194262	1403352	2158123	890778.6	1264940	724450.6	-.185856	1862899	3212296	-144659.2	475
1986	3	376631.4	1.135747E+09	4.966695E+10	2.602303E+10	4.009854E+10	6689594	2453395	4184541	1402017	2148469	890239.6	1261667	708340.7	-.185856	1861846	3207180	-376631.4	475
1986	4	811950	1.18845E+09	5.974644E+10	3.843118E+10	5.205269E+10	9673179	2452414	4175139	1400726	2139132	889718.2	1258500	692756.1	-.185856	1860828	3202231	-811950	475
1986	5	197873	1.495595E+09	4.964694E+10	2.600234E+10	4.007789E+10	6685253	2451403	4165430	1399393	2129490	889179.5	1255228	676658.4	-.185856	1859776	3197119	-197873	475
1986	6	200520	1.55145E+09	4.803616E+10	2.515395E+10	3.877548E+10	6467579	2450424	4156039	1398103	2120165	888658.2	1252062	661085.7	-.185856	1858758	3192173	-200520	475
1986	7	203825	1.569065E+09	4.962719E+10	2.59819E+10	4.005745E+10	6680947	2449413	4146341	1396772	2110534	888119.8	1248792	645000.1	-.185856	1857707	3187064	-203825	475
1986	8	193936	1.469865E+09	4.961707E+10	2.597144E+10	4.004698E+10	6678741	2448403	4136649	1395441	2100909	887581.4	1245522	628920.8	-.185856	1856656	3181956	-193936	475
1986	9	189150	1.43745E+09	4.800743E+10	2.512419E+10	3.874567E+10	6461295	2447425	4127274	1394154	2091599	887060.5	1242359	613365.8	-.185856	1855640	3177014	-189150	475
1986	10	227075	1.448165E+09	4.959768E+10	2.595126E+10	4.002682E+10	6674479	2446416	4117593	1392825	2081985	886522.4	1239091	597298.5	-.185856	1854590	3171910	-227075	475
1986	11	173970	1.17255E+09	6.205488E+10	4.382627E+10	5.744776E+10	1.098023E+07	2445441	4108229	1391539	2072686	886001.8	1235929	581755.1	-.185856	1853574	3166972	-173970	475
1987	0	159792.6	1.111753E+09	4.957852E+10	2.593131E+10	4.000686E+10	6670260	2444433	4098559	1390211	2063083	885464.1	1232662	565699.6	-.185856	1852524	3161871	-159792.6	475
1987	1	161193.8	1.118759E+09	4.946298E+10	2.580985E+10	3.988542E+10	6644490	2443432	4088955	1388893	2053546	884927.7	1229405	549716.8	-.185856	1851479	3156789	-161193.8	475
1987	2	144659.2	1.005816E+09	4.466903E+10	2.330447E+10	3.601786E+10	5999848	2442528	4080285	1387702	2044936	884443.4	1226464	535285.4	-.185856	1850535	3152201	-144659.2	475
1987	3	376631.4	1.135747E+09	4.944594E+10	2.579175E+10	3.98673E+10	6640639	2441528	4070691	1386385	2035408	883907.3	1223208	519313.5	-.185856	1849490	3147122	-376631.4	475
1987	4	811950	1.18845E+09	5.769163E+10	3.808112E+10	5.170264E+10	9599107	2440561	4061411	1385111	2026193	883388.6	1220058	503862	-.185856	1848479	3142209	-811950	475
1987	5	197873	1.495595E+09	4.942853E+10	2.577326E+10	3.984879E+10	6636685	2439562	4051827	1383795	2016675	882852.7	1216803	487901.2	-.185856	1847435	3137134	-197873	475
1987	6	200520	1.55145E+09	4.782594E+10	2.493324E+10	3.855476E+10	6420757	2438595	4042556	1382522	2007469	882334.3	1213654	472460.5	-.185856	1846424	3132223	-200520	475
1987	7	203825	1.569065E+09	4.941126E+10	2.575487E+10	3.983043E+10	6632759	2437598	4032982	1381207	1997961	881798.7	1210401	456510.8	-.185856	1845381	3127151	-203825	475
1987	8	193936	1.469865E+09	4.940243E+10	2.574545E+10	3.982101E+10	6630752	2436600	4023413	1379894	1988458	881263.2	1207149	440566.8	-.185856	1844338	3122080	-193936	475
1987	9	189150	1.43745E+09	4.780084E+10	2.490648E+10	3.852796E+10	6415033	2435636	4014157	1378623	1979266	880745.1	1204003	425142.2	-.185856	1843328	3117174	-189150	475
1987	10	227075	1.448165E+09	4.938548E+10	2.572734E+10	3.98029E+10	6626877	2434639	4004597	1377310	1969773	880209.8	1200752	409209.2	-.185856	1842285	3112106	-227075	475
1987	11	173970	1.17255E+09	6.168597E+10	4.343719E+10	5.705866E+10	1.089752E+07	2433675	3995350	1376041	1960591	879691.9	1197606	393795.1	-.185856	1841277	3107203	-173970	475
1988	0	159792.6	1.111753E+09	4.936869E+10	2.57094E+10	3.978493E+10	6623028	2432680	3985801	1374729	1951107	879157	1194357	377872.9	-.185856	1840235	3102138	-159792.6	475
1988	1	161193.8	1.118759E+09	4.926706E+10	2.559976E+10	3.967529E+10	6599457	2431691	3976309	1373426	1941681	878623.4	1191117	362017.1	-.185856	1839196	3097091	-161193.8	475
1988	2	149825.6	1.041738E+09	4.608193E+10	2.3941E+10	3.710845E+10	6172146	2430766	3967433	1372208	1932866	878124.3	1188086	347188.6	-.185856	1838225	3092371	-149825.6	475
1988	3	376631.4	1.135747E+09	4.925198E+10	2.558338E+10	3.965891E+10	6595929	2429777	3957949	1370905	1923449	877590.9	1184846	331342.7	-.185856	1837188	3087327	-376631.4	475
1988	4	811950	1.18845E+09	5.746237E+10	3.785192E+10	5.147342E+10	9552324	2428821	3948776	1369646	1914339	877075	1181712	316012.8	-.185856	1836184	3082448	-811950	475
1988	5	197873	1.495595E+09	4.923655E+10	2.556658E+10	3.964211E+10	6592303	2427834	3939301	1368345	1904930	876541.8	1178474	300177.2	-.185856	1835146	3077407	-197873	475
1988	6	200520	1.55145E+09	4.76411E+10	2.473403E+10	3.835553E+10	6377959	2426878	3930136	1367087	1895828	876026	1175341	284857.1	-.185856	1834143	3072529	-200520	475
1988	7	203825	1.569065E+09	4.922129E+10	2.554992E+10	3.962549E+10	6588707	2425892	3920670	1365787	1886428	875493.1	1172105	269031.6	-.185856	1833106	3067492	-203825	475
1988	8	193936	1.469865E+09	4.921346E+10	2.554137E+10	3.961693E+10	6586857	2424906	3911209	1364488	1877032	874960.3	1168869	253211.3	-.185856	1832070	3062455	-193936	475
1988	9	189150	1.43745E+09	4.761885E+10	2.470975E+10	3.833126E+10	6372708	2423952	3902056	1363231	1867943	874444.8	1165738	237906.1	-.185856	1831067	3057582	-189150	475
1988	10	227075	1.448165E+09	4.91984E+10	2.552491E+10	3.960047E+10	6583298	2422967	3892603	1361934	1858556	873912.1	1162503	222095.9	-.185856	1830032	3052548	-227075	475
1988	11	173970	1.17255E+09	6.136079E+10	4.308546E+10	5.670697E+10	1.082182E+07	2422014	3883459	1360678	1849475	873396.9	1159373	206800.3	-.185856	1829029	3047677	-173970	475
1989	0	159792.6	1.111753E+09	4.918348E+10	2.550859E+10	3.958415E+10	6579758	2421029	3874015	1359381	1840096	872864.6	1156140	191000.1	-.185856	1827994	3042646	-159792.6	475
1989	1	161193.8	1.118759E+09	4.909235E+10	2.540819E+10	3.948372E+10	6557944	2420050	3864622	1358092	1830769	872333.6	1152915	175261.3	-.185856	1826963	3037632	-161193.8	475
1989	2	144659.2	1.005816E+09	4.433578E+10	2.294302E+10	3.565643E+10	5921933	2419167	3856141	1356927	1822347	871854.2	1150003	161049.4	-.185856	1826031	3033104	-144659.2	475
1989	3	376631.4	1.135747E+09	4.907884E+10	2.539323E+10	3.946879E+10	6554691	2418188	3846756	1355638	1813027	871323.4	1146779	145319.8	-.185856	1825000	3028093	-376631.4	475
1989	4	811950	1.18845E+09	5.71359E+10	3.747824E+10	5.109971E+10	9469126	2417242	3837677	1354392	1804012	870809.8	1143660	130102	-.185856	1824002	3023244	-811950	475
1989	5	197873	1.495595E+09	4.906503E+10	2.53779E+10	3.945343E+10	6551344	2416264	3828300	1353105	1794699	870279.2	1140438	114381.8	-.185856	1822972	3018235	-197873	475

1989	6	200520	1.55145E+09	4.747586E+10	2.455211E+10	3.817358E+10	6338449	2415319	3819229	1351859	1785691	869765.9	1137320	99173.13	-.185856	1821975	3013389	-200520	475
1989	7	203825	1.569065E+09	4.905134E+10	2.536267E+10	3.943822E+10	6548017	2414342	3809859	1350573	1776387	869235.5	1134099	83462.28	-.185856	1820945	3008382	-203825	475
1989	8	193936	1.469865E+09	4.904431E+10	2.535483E+10	3.943039E+10	6546313	2413366	3800494	1349287	1767086	868705.3	1130879	67756.26	-.185856	1819915	3003377	-193936	475
1989	9	189150	1.43745E+09	4.745589E+10	2.452988E+10	3.815136E+10	6333597	2412422	3791434	1348043	1758089	868192.2	1127763	52561.24	-.185856	1818919	2998535	-189150	475
1989	10	227075	1.448165E+09	4.903077E+10	2.533975E+10	3.941533E+10	6543017	2411447	3782076	1346758	1748796	867662.1	1124544	36864.48	-.185856	1817890	2993533	-227075	475
1989	11	173970	1.17255E+09	6.106951E+10	4.276378E+10	5.638529E+10	1.075186E+07	2410504	3773023	1345515	1739807	867149.2	1121429	21678.39	-.185856	1816894	2988693	-173970	475
1990	0	159792.6	1.111753E+09	4.901738E+10	2.532479E+10	3.940035E+10	6539751	2409529	3763673	1344231	1730521	866619.4	1118211	5990.841	-.185856	1815865	2983693	-159792.6	475
1990	1	161193.8	1.118759E+09	4.893556E+10	2.523307E+10	3.930863E+10	6519643	2408560	3754369	1342954	1721282	866090.9	1115001	.227072	-.185856	1814839	2978709	-161193.8	475
1990	2	144659.2	1.005816E+09	4.419473E+10	2.278535E+10	2.025475E+10	5887431	2407684	3745968	1341801	1712939	865613.6	1112103	.227072	-.185856	1813913	2974209	-144659.2	475
1990	3	376631.4	1.135747E+09	4.892336E+10	2.52193E+10	2.242248E+10	6516618	2406715	3736671	1340524	1703706	865085.3	1108894	.227072	-.185856	1812888	2969227	-376631.4	475
1990	4	811950	1.18845E+09	5.690059E+10	3.721513E+10	2.913072E+10	9411547	2405777	3727677	1339289	1694775	864574.1	1105789	.227072	-.185856	1811897	2964408	-811950	475
1990	5	197873	1.495595E+09	4.891086E+10	2.520517E+10	2.241779E+10	6513511	2404809	3718387	1338014	1685549	864045.9	1102582	.227072	-.185856	1810872	2959428	-197873	475
1990	6	200520	1.55145E+09	4.732727E+10	2.438553E+10	2.169247E+10	6301950	2403872	3709400	1336780	1676624	863535	1099478	.227072	-.185856	1809881	2954611	-200520	475
1990	7	203825	1.569065E+09	4.889845E+10	2.519117E+10	2.241315E+10	6510422	2402905	3700117	1335505	1667406	863007.1	1096272	.227072	-.185856	1808857	2949634	-203825	475
1990	8	193936	1.469865E+09	4.889206E+10	2.518392E+10	2.241076E+10	6508839	2401938	3690837	1334231	1658190	862479.3	1093066	.227072	-.185856	1807834	2944659	-193936	475
1990	9	189150	1.43745E+09	4.730915E+10	2.436503E+10	2.168568E+10	6297442	2401002	3681860	1332999	1649276	861968.6	1089964	.227072	-.185856	1806843	2939845	-189150	475
1990	10	227075	1.448165E+09	4.88798E+10	8.33061E+09	2.240617E+10	6505780	2400036	3672587	1331726	1640068	861440.9	1086760	.227072	-.185856	1805820	2934873	-227075	475
1990	11	173970	1.17255E+09	6.080718E+10	2.249585E+10	2.687505E+10	1.068719E+07	2399101	3663617	1330494	1631160	860930.4	1083659	.227072	-.185856	1804830	2930061	-173970	475
1991	0	159792.6	1.111753E+09	4.886761E+10	8.326061E+09	2.240161E+10	6502735	2398135	3654352	1329222	1621958	860402.9	1080456	.227072	-.185856	1803808	2925091	-159792.6	475
1991	1	161193.8	1.118759E+09	4.879314E+10	8.298157E+09	2.237371E+10	6484009	2397174	3645128	1327955	1612798	859876.8	1077260	.227072	-.185856	1802788	2920135	-161193.8	475
1991	2	144659.2	1.005816E+09	4.406654E+10	7.493346E+09	2.020675E+10	5855335	2396306	3636799	1326812	1604528	859401.6	1074374	.227072	-.185856	1801867	2915660	-144659.2	475
1991	3	376631.4	1.135747E+09	4.8782E+10	8.29398E+09	2.236953E+10	6481191	2395345	3627582	1325547	1595374	858875.5	1071180	.227072	-.185856	1800848	2910707	-376631.4	475
1991	4	811950	1.18845E+09	5.668672E+10	1.167087E+10	2.529237E+10	9357982	2394416	3618665	1324322	1586519	858366.6	1068089	.227072	-.185856	1799862	2905914	-811950	475
1991	5	197873	1.495595E+09	4.877058E+10	8.289699E+09	2.236525E+10	6478289	2393456	3609454	1323057	1577372	857840.8	1064895	.227072	-.185856	1798843	2900963	-197873	475
1991	6	200520	1.55145E+09	4.719201E+10	8.020287E+09	2.164179E+10	6267960	2392527	3600542	1321834	1568523	857332.1	1061805	.227072	-.185856	1797858	2896173	-200520	475
1991	7	203825	1.569065E+09	4.875923E+10	8.285445E+09	2.236099E+10	6475406	2391568	3591338	1320570	1559382	856806.5	1058613	.227072	-.185856	1796840	2891224	-203825	475
1991	8	193936	1.469865E+09	4.87534E+10	8.283256E+09	2.235881E+10	6473928	2390608	3582137	1319307	1550244	856281.1	1055421	.227072	-.185856	1795822	2886277	-193936	475
1991	9	189150	1.43745E+09	4.717545E+10	8.01408E+09	2.163558E+10	6263745	2389681	3573235	1318085	1541404	855772.6	1052333	.227072	-.185856	1794837	2881490	-189150	475
1991	10	227075	1.448165E+09	4.874217E+10	8.279047E+09	2.23546E+10	6471067	2388722	3564040	1316822	1532273	855247.3	1049143	.227072	-.185856	1793819	2876545	-227075	475
1991	11	173970	1.17255E+09	6.056813E+10	1.316397E+10	2.678547E+10	1.062691E+07	2387795	3555144	1315601	1523439	854738.9	1046056	.227072	-.185856	1792835	2871760	-173970	475
1992	0	159792.6	1.111753E+09	4.873104E+10	8.274869E+09	2.235042E+10	6468227	2386837	3545955	1314339	1514314	854213.9	1042866	.227072	-.185856	1791818	2866817	-159792.6	475
1992	1	161193.8	1.118759E+09	4.86627E+10	8.249243E+09	2.232479E+10	6450701	2385883	3536805	1313083	1505227	853689.9	1039684	.227072	-.185856	1790804	2861888	-161193.8	475
1992	2	149825.6	1.041738E+09	4.551872E+10	7.715346E+09	2.08828E+10	6033376	2384991	3528247	1311908	1496729	853199.8	1036708	.227072	-.185856	1789855	2857278	-149825.6	475
1992	3	376631.4	1.135747E+09	4.865247E+10	8.245395E+09	2.232094E+10	6448063	2384038	3519102	1310652	1487648	852676	1033527	.227072	-.185856	1788841	2852351	-376631.4	475
1992	4	811950	1.18845E+09	5.655311E+10	1.162134E+10	2.524284E+10	9328223	2383116	3510255	1309438	1478862	852169.2	1030449	.227072	-.185856	1787861	2847584	-811950	475

Non-cumulative Flows and Concentrations Per Time Interval for Mine Bottom Sump(s)

YEAR	Month	Flow (m^3/int)	pH	Alk(mg/L)	Aci(mg/L)	SO4(mg/L)	Cu (mg/L)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4:NP rem.(kg)	5:S rem.(kg)	5:NP (kg)	Pump #2(m^3/d)	Water Elev (m)
1985	1	161193.8	7.9181	243.1276	0	250.5129	.0240426	2467390	4318822	1420453	2281818	897638.9	1306606	930051.2	470434.8	1876318	3277518	-161193.8	475
1985	2	144659.2	7.922015	244.6619	0	252.0656	2.382666E-02	2466460	4309902	1419229	2272959	897149.2	1303632	915356.2	431436.2	1875360	3272859	-144659.2	475
1985	3	376631.4	7.389862	104.0217	0	107.1559	8.123588E-02	2465432	4300032	1417874	2263158	896607.1	1300340	899093.8	388277.9	1874299	3267703	-376631.4	475
1985	4	811950	6.954879	51.70183	0	61.18568	.2213939	2464437	4290488	1416563	2253680	896082.7	1297155	883362.3	346528.6	1873272	3262714	-811950	475
1985	5	197873	7.790127	197.9287	0	203.8426	3.229107E-02	2463410	4280632	1415210	2243893	895541	1293864	867113.4	303406.2	1872212	3257561	-197873	475
1985	6	200520	7.761358	188.9852	0	194.6089	3.450489E-02	2462416	4271101	1413902	2234428	895016.8	1290681	851395	261691.7	1871186	3252576	-200520	475
1985	7	203825	7.771482	192.0856	0	197.7768	.033709	2461390	4261259	1412550	2224654	894475.3	1287392	835159.6	218605.1	1870127	3247427	-203825	475
1985	8	193936	7.802322	201.8464	0	207.8006	3.139605E-02	2460365	4251424	1411200	2214887	893934	1284104	818931.1	175536.8	1869068	3242279	-193936	475
1985	9	189150	7.79737	200.2464	0	206.1294	3.175645E-02	2459374	4241912	1409894	2205441	893410.1	1280923	803232.3	133874.3	1868043	3237299	-189150	475
1985	10	227075	7.703969	172.3337	0	177.3745	3.938468E-02	2458350	4232090	1408545	2195687	892869.1	1277637	787017.2	90841.19	1866985	3232155	-227075	475
1985	11	173970	7.957997	259.2282	0	332.7192	2.193029E-02	2457360	4222590	1407241	2186253	892345.5	1274457	771331.2	49212.6	1865961	3227179	-173970	475
1986	0	159792.6	7.922415	244.8191	0	251.9194	2.380469E-02	2456338	4212781	1405894	2176512	891804.7	1271172	755129.2	6214.369	1864903	3222038	-159792.6	475
1986	1	161193.8	7.866515	223.7831	0	248.885	2.707813E-02	2455323	4203048	1404558	2166847	891265.5	1267898	739007.3	-.185856	1863850	3216919	-161193.8	475
1986	2	144659.2	7.607685	147.6265	0	250.4352	4.917077E-02	2454408	4194262	1403352	2158123	890778.6	1264940	724450.6	-.185856	1862899	3212296	-144659.2	475
1986	3	376631.4	7.075649	62.77734	0	106.4663	.1676005	2453395	4184541	1402017	2148469	890239.6	1261667	708340.7	-.185856	1861846	3207180	-376631.4	475
1986	4	811950	6.533182	26.25193	0	64.10825	.5851733	2452414	4175139	1400726	2139132	889718.2	1258500	692756.1	-.185856	1860828	3202231	-811950	475
1986	5	197873	7.47614	119.4938	0	202.5435	6.658618E-02	2451403	4165430	1399393	2129490	889179.5	1255228	676658.4	-.185856	1859776	3197119	-197873	475
1986	6	200520	7.447479	114.1143	0	193.3746	.0711334	2450424	4156039	1398103	2120165	888658.2	1252062	661085.7	-.185856	1858758	3192173	-200520	475
1986	7	203825	7.457718	116.0078	0	196.5287	.0694743	2449413	4146341	1396772	2110534	888119.8	1248792	645000.1	-.185856	1857707	3187064	-203825	475

1986	8	193936	7.488671	121.9249	0	206.4958	6.469047E-02	2448403	4136649	1395441	2100909	887581.4	1245522	628920.8	-.185856	1856656	3181956	-193936	475
1986	9	189150	7.483827	120.9793	0	204.841	6.541681E-02	2447425	4127274	1394154	2091599	887060.5	1242359	613365.8	-.185856	1855640	3177014	-189150	475
1986	10	227075	7.390539	104.1348	0	176.2714	8.110929E-02	2446416	4117593	1392825	2081985	886522.4	1239091	597298.5	-.185856	1854590	3171910	-227075	475
1986	11	173970	7.394382	104.7802	0	330.2165	8.039387E-02	2445441	4108229	1391539	2072686	886001.8	1235929	581755.1	-.185856	1853574	3166972	-173970	475
1987	0	159792.6	7.609202	147.9869	0	250.3674	4.899911E-02	2444433	4098559	1390211	2063083	885464.1	1232662	565699.6	-.185856	1852524	3161871	-159792.6	475
1987	1	161193.8	7.603926	146.7373	0	247.4377	4.959863E-02	2443432	4088955	1388893	2053546	884927.7	1229405	549716.8	-.185856	1851479	3156789	-161193.8	475
1987	2	144659.2	7.607948	147.6889	0	248.9842	.049141	2442528	4080285	1387702	2044936	884443.4	1226464	535285.4	-.185856	1850535	3152201	-144659.2	475
1987	3	376631.4	7.075919	62.80462	0	105.8523	.1674961	2441528	4070691	1386385	2035408	883907.3	1223208	519313.5	-.185856	1849490	3147122	-376631.4	475
1987	4	811950	6.481317	24.15236	0	63.67712	.6594798	2440561	4061411	1385111	2026193	883388.6	1220058	503862	-.185856	1848479	3142209	-811950	475
1987	5	197873	7.47642	119.5477	0	201.3857	6.654309E-02	2439562	4051827	1383795	2016675	882852.7	1216803	487901.2	-.185856	1847435	3137134	-197873	475
1987	6	200520	7.447764	114.1666	0	192.2739	7.108666E-02	2438595	4042556	1382522	2007469	882334.3	1213654	472460.5	-.185856	1846424	3132223	-200520	475
1987	7	203825	7.45801	116.0622	0	195.4148	6.942751E-02	2437598	4032982	1381207	1997961	881798.7	1210401	456510.8	-.185856	1845381	3127151	-203825	475
1987	8	193936	7.48897	121.9834	0	205.3307	6.464591E-02	2436600	4023413	1379894	1988458	881263.2	1207149	440566.8	-.185856	1844338	3122080	-193936	475
1987	9	189150	7.484129	121.0382	0	203.69	6.537124E-02	2435636	4014157	1378623	1979266	880745.1	1204003	425142.2	-.185856	1843328	3117174	-189150	475
1987	10	227075	7.390847	104.1864	0	175.2853	8.105163E-02	2434639	4004597	1377310	1969773	880209.8	1200752	409209.2	-.185856	1842285	3112106	-227075	475
1987	11	173970	7.395071	104.8962	0	327.9799	8.026639E-02	2433675	3995350	1376041	1960591	879691.9	1197606	393795.1	-.185856	1841277	3107203	-173970	475
1988	0	159792.6	7.60952	148.0625	0	248.9786	4.896321E-02	2432680	3985801	1374729	1951107	879157	1194357	377872.9	-.185856	1840235	3102138	-159792.6	475
1988	1	161193.8	7.604298	146.8251	0	246.1341	4.955613E-02	2431691	3976309	1373426	1941681	878623.4	1191117	362017.1	-.185856	1839196	3097091	-161193.8	475
1988	2	149825.6	7.608324	147.778	0	247.6776	4.909847E-02	2430766	3967433	1372208	1932866	878124.3	1188086	347188.6	-.185856	1838225	3092371	-149825.6	475
1988	3	376631.4	7.076298	62.84286	0	105.299	.16735	2429777	3957949	1370905	1923449	877590.9	1184846	331342.7	-.185856	1837188	3087327	-376631.4	475
1988	4	811950	6.481316	24.15229	0	63.39482	.659482	2428821	3948776	1369646	1914339	877075	1181712	316012.8	-.185856	1836184	3082448	-811950	475
1988	5	197873	7.476807	119.6221	0	200.3412	6.648388E-02	2427834	3939301	1368345	1904930	876541.8	1178474	300177.2	-.185856	1835146	3077407	-197873	475
1988	6	200520	7.448154	114.2383	0	191.2803	.0710227	2426878	3930136	1367087	1895828	876026	1175341	284857.1	-.185856	1834143	3072529	-200520	475
1988	7	203825	7.458404	116.1357	0	194.4093	6.936451E-02	2425892	3920670	1365787	1886428	875493.1	1172105	269031.6	-.185856	1833106	3067492	-203825	475
1988	8	193936	7.489367	122.0614	0	204.2784	6.458675E-02	2424906	3911209	1364488	1877032	874960.3	1168869	253211.3	-.185856	1832070	3062455	-193936	475
1988	9	189150	7.484529	121.116	0	202.6501	6.531092E-02	2423952	3902056	1363231	1867943	874444.8	1165738	237906.1	-.185856	1831067	3057582	-189150	475
1988	10	227075	7.391251	104.2541	0	174.3938	8.097631E-02	2422967	3892603	1361934	1858556	873912.1	1162503	222095.9	-.185856	1830032	3052548	-227075	475
1988	11	173970	7.395976	105.0488	0	325.9583	8.009921E-02	2422014	3883459	1360678	1849475	873396.9	1159373	206800.3	-.185856	1829029	3047677	-173970	475
1989	0	159792.6	7.60993	148.1601	0	247.7221	.048917	2421029	3874015	1359381	1840096	872864.6	1156140	191000.1	-.185856	1827994	3042646	-159792.6	475
1989	1	161193.8	7.604741	146.9297	0	244.9456	4.950556E-02	2420050	3864622	1358092	1830769	872333.6	1152915	175261.3	-.185856	1826963	3037632	-161193.8	475
1989	2	144659.2	7.608769	147.8839	0	246.4857	4.904809E-02	2419167	3856141	1356927	1822347	871854.2	1150003	161049.4	-.185856	1826031	3033104	-144659.2	475
1989	3	376631.4	7.076745	62.88803	0	104.7942	.1671776	2418188	3846756	1355638	1813027	871323.4	1146779	145319.8	-.185856	1825000	3028093	-376631.4	475
1989	4	811950	6.482812	24.21044	0	62.93456	.6572114	2417242	3837677	1354392	1804012	870809.8	1143660	130102	-.185856	1824002	3023244	-811950	475
1989	5	197873	7.477258	119.7088	0	199.3876	.0664148	2416264	3828300	1353105	1794699	870279.2	1140438	114381.8	-.185856	1822972	3018235	-197873	475
1989	6	200520	7.448607	114.3215	0	190.3729	7.094867E-02	2415319	3819229	1351859	1785691	869765.9	1137320	99173.13	-.185856	1821975	3013389	-200520	475
1989	7	203825	7.458858	116.2206	0	193.4906	.0692919	2414342	3809859	1350573	1776387	869235.5	1134099	83462.28	-.185856	1820945	3008382	-203825	475
1989	8	193936	7.489824	122.151	0	203.3165	6.451878E-02	2413366	3800494	1349287	1767086	868705.3	1130879	67756.26	-.185856	1819915	3003377	-193936	475
1989	9	189150	7.484989	121.2055	0	201.6989	6.524183E-02	2412422	3791434	1348043	1758089	868192.2	1127763	52561.24	-.185856	1818919	2998535	-189150	475
1989	10	227075	7.391711	104.3312	0	173.5785	8.089038E-02	2411447	3782076	1346758	1748796	867662.1	1124544	36864.48	-.185856	1817890	2993533	-227075	475
1989	11	173970	7.397009	105.2235	0	324.1093	7.990859E-02	2410504	3773023	1345515	1739807	867149.2	1121429	21678.39	-.185856	1816894	2988693	-173970	475
1990	0	159792.6	7.610395	148.2709	0	246.5718	4.886456E-02	2409529	3763673	1344231	1730521	866619.4	1118211	5990.841	-.185856	1815865	2983693	-159792.6	475
1990	1	161193.8	7.605223	147.0435	0	243.8594	4.945058E-02	2408560	3754369	1342954	1721282	866090.9	1115001	.227072	-.185856	1814839	2978709	-161193.8	475
1990	2	144659.2	7.609252	147.9987	0	140.017	4.899351E-02	2407684	3745968	1341801	1712939	865613.6	1112103	.227072	-.185856	1813913	2974209	-144659.2	475
1990	3	376631.4	7.077229	62.93703	0	59.53428	.166991	2406715	3736671	1340524	1703706	865085.3	1108894	.227072	-.185856	1812888	2969227	-376631.4	475
1990	4	811950	6.483691	24.24467	0	35.87748	.6558816	2405777	3727677	1339289	1694775	864574.1	1105789	.227072	-.185856	1811897	2964408	-811950	475
1990	5	197873	7.477745	119.8025	0	113.2938	.0663403	2404809	3718387	1338014	1685549	864045.9	1102582	.227072	-.185856	1810872	2959428	-197873	475
1990	6	200520	7.449095	114.4112	0	108.1811	7.086886E-02	2403872	3709400	1336780	1676624	863535	1099478	.227072	-.185856	1809881	2954611	-200520	475
1990	7	203825	7.459347	116.3119	0	109.9627	6.921396E-02	2402905	3700117	1335505	1667406	863007.1	1096272	.227072	-.185856	1808857	2949634	-203825	475
1990	8	193936	7.490314	122.2472	0	115.5575	.064446	2401938	3690837	1334231	1658190	862479.3	1093066	.227072	-.185856	1807834	2944659	-193936	475
1990	9	189150	7.48548	121.3012	0	114.648	6.516794E-02	2401002	3681860	1332999	1649276	861968.6	1089964	.227072	-.185856	1806843	2939845	-189150	475
1990	10	227075	7.726093	178.5718	0	98.67298	3.742664E-02	2400036	3672587	1331726	1640068	861440.9	1086760	.227072	-.185856	1805820	2934873	-227075	475
1990	11	173970	7.856523	220.218	0	154.481	2.770899E-02	2399101	3663617	1330494	1631160	860930.4	1083659	.227072	-.185856	1804830	2930061	-173970	475
1991	0	159792.6	7.944619	253.7136	0	140.1918	2.261708E-02	2398135	3654352	1329222	1621958	860402.9	1080456	.227072	-.185856	1803808	2925091	-159792.6	475
1991	1	161193.8	7.938471	251.2193	0	138.8001	2.293982E-02	2397174	3645128	1327955	1612798	859876.8	1077260	.227072	-.185856	1802788	2920135	-161193.8	475
1991	2	144659.2	7.942431	252.8231	0	139.6852	2.273141E-02	2396306	3636799	1326812	1604528	859401.6	1074374	.227072	-.185856	1801867	2915660	-144659.2	475
1991	3	376631.4	7.410329	107.5004	0	59.39371	7.749259E-02	2395345	3627582	1325547	1595374	858875.5	1071180	.227072	-.185856	1800848	2910707	-376631.4	475
1991	4	811950	6.998333	55.44166	0	31.15015	.2002945	2394416	3618665	1324322	1586519	858366.6	1068089	.227072	-.185856	1799862	2905914	-811950	475
1991	5	197873	7.810693	204.5801	0	113.0283	3.079614E-02	2393456	3609454	1323057	1577372	857840.8	1064895	.227072	-.185856	1798843	2900963	-197873	475

1991	6	200520	7.78197	195.3507	0	107.9283	3.290393E-02	2392527	3600542	1321834	1568523	857332.1	1061805	.227072	-.185856	1797858	2896173	-200520	475
1991	7	203825	7.792144	198.5713	0	109.7068	3.214133E-02	2391568	3591338	1320570	1559382	856806.5	1058613	.227072	-.185856	1796840	2891224	-203825	475
1991	8	193936	7.823032	208.6778	0	115.2896	2.993263E-02	2390608	3582137	1319307	1550244	856281.1	1055421	.227072	-.185856	1795822	2886277	-193936	475
1991	9	189150	7.818125	207.0387	0	114.3832	3.027307E-02	2389681	3573235	1318085	1541404	855772.6	1052333	.227072	-.185856	1794837	2881490	-189150	475
1991	10	227075	7.724771	178.1928	0	98.44587	3.754088E-02	2388722	3564040	1316822	1532273	855247.3	1049143	.227072	-.185856	1793819	2876545	-227075	475
1991	11	173970	7.989028	272.4847	0	153.966	2.041655E-02	2387795	3555144	1315601	1523439	854738.9	1046056	.227072	-.185856	1792835	2871760	-173970	475
1992	0	159792.6	7.943306	253.1792	0	139.8714	2.268559E-02	2386837	3545955	1314339	1514314	854213.9	1042866	.227072	-.185856	1791818	2866817	-159792.6	475
1992	1	161193.8	7.937217	250.7135	0	138.4966	2.300622E-02	2385883	3536805	1313083	1505227	853689.9	1039684	.227072	-.185856	1790804	2861888	-161193.8	475
1992	2	149825.6	7.941181	252.3159	0	139.3807	2.279698E-02	2384991	3528247	1311908	1496729	853199.8	1036708	.227072	-.185856	1789855	2857278	-149825.6	475
1992	3	376631.4	7.409084	107.2855	0	59.26469	7.771528E-02	2384038	3519102	1310652	1487648	852676	1033527	.227072	-.185856	1788841	2852351	-376631.4	475
1992	4	811950	6.997169	55.3381	0	31.08916	.2008321	2383116	3510255	1309438	1478862	852169.2	1030449	.227072	-.185856	1787861	2847584	-811950	475

* CLOSURE *

Cumulative Total Loadings and Volumes Per Time Interval:

YEAR	Month	Vol (m^3/Lyr)	pH(mg/interval)	Alk(mg/int)	Aci(mg/int)	SO4(mg/int)	Cu (mg/int)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4: NP(kg)	5:S rem.(kg)	5:NP rem.(kg)	Pump #2	Water Elevation (m)
1992	5	300607	2.62925E+10	1.625526E+12	8.75183E+11	1.585605E+12	8.439296E+10	2382397	3503357	1308190	1469842	851647.4	1027279	9.375E-08	-.185856	1786899	2842909	0	485.736
1992	6	603127	8.471862E+10	5.075714E+12	2.298805E+12	3.696337E+12	1.683558E+11	2381741	3497058	1306984	1461115	851142.5	1024213	9.375E-08	-.185856	1785985	2838468	0	496.5403
1992	7	912352	1.990108E+11	1.206331E+13	4.841888E+12	6.948755E+12	2.594027E+11	2381088	3490796	1305741	1452125	850620.8	1021045	9.375E-08	-.185856	1785050	2833925	0	506.636
1992	8	1211688	4.022309E+11	2.463574E+13	9.139458E+12	1.19539E+13	3.57437E+11	2380453	3484703	1304503	1443170	850099.3	1017877	9.375E-08	-.185856	1784121	2829410	0	515.9902
1992	9	1502838	7.386994E+11	4.520524E+13	1.593289E+13	1.942907E+13	4.628142E+11	2379855	3478967	1303309	1434538	849594.7	1014812	9.375E-08	-.185856	1783228	2825068	0	525.0887
1992	10	1835313	1.265242E+12	7.67371E+13	2.617283E+13	3.036874E+13	5.845201E+11	2379257	3473228	1302082	1425659	849073.3	1011646	9.375E-08	-.185856	1782311	2820612	0	535.4785
1992	11	2111283	2.052307E+12	1.228065E+14	4.096959E+13	4.583388E+13	7.217142E+11	2378693	3467825	1300898	1417097	848568.9	1008582	9.375E-08	-.185856	1781429	2816325	0	544.1026
1993	0	2376476	3.186759E+12	1.874082E+14	6.159345E+13	6.713696E+13	8.846351E+11	2378126	3462376	1299686	1408335	848048.4	1005421	9.375E-08	-.185856	1780522	2811917	0	550.7081
1993	1	2643069	4.772482E+12	2.75367E+14	8.968567E+13	9.588384E+13	1.076642E+12	2377567	3457016	1298504	1399786	847530.6	1002276	9.375E-08	-.185856	1779618	2807521	0	553.1766
1993	2	2882929	6.931881E+12	3.917469E+14	1.266238E+14	1.333855E+14	1.296016E+12	2377070	3452249	1297461	1392238	847065.1	999448	9.375E-08	-.185856	1778803	2803562	0	555.3975
1993	3	3364948	9.808248E+12	5.427374E+14	1.74622E+14	1.819729E+14	1.566326E+12	2376537	3447132	1296359	1384267	846554.3	996345.8	9.375E-08	-.185856	1777906	2799200	0	559.8606
1993	4	4278898	1.356633E+13	7.353601E+14	2.359554E+14	2.438082E+14	1.88563E+12	2376051	3442475	1295389	1377253	846068.5	993395.4	9.375E-08	-.185856	1777046	2795020	0	568.3231
1993	5	4526431	7.616432E+10	4.996166E+14	4.322486E+11	2.449424E+14	8.25303E+10	2375560	3437763	1294418	1370227	845570	990367.4	9.375E-08	-.185856	1776162	2790722	0	570.6151
1993	6	4777590	1.34159E+11	5.002654E+14	1.133957E+12	2.463119E+14	1.629312E+11	2375093	3433283	1293504	1363621	845089.8	987451.5	9.375E-08	-.185856	1775308	2786576	0	572.9406
1993	7	5033741	2.480054E+11	5.014503E+14	1.986057E+12	2.478486E+14	2.465803E+11	2374620	3428741	1292589	1356999	844596.2	984453.9	9.375E-08	-.185856	1774429	2782303	0	575.3124
1993	8	5280004	4.507796E+11	5.036889E+14	3.336534E+12	2.498626E+14	3.314216E+11	2374155	3424281	1291700	1350573	844105	981470.8	9.375E-08	-.185856	1773552	2778042	0	577.5927
1993	9	5519792	7.868167E+11	5.073492E+14	5.127497E+12	2.522738E+14	4.151702E+11	2373713	3420042	1290866	1344538	843632	978598	9.375E-08	-.185856	1772706	2773929	0	579.8129
1993	10	5799194	1.312913E+12	5.130688E+14	7.661433E+12	2.554176E+14	5.038634E+11	2373267	3415756	1290034	1338523	843146	975646.3	9.375E-08	-.185856	1771835	2769693	0	582.4
1993	11	6023802	2.099547E+12	5.217565E+14	1.135333E+13	2.596438E+14	5.932344E+11	2372842	3411681	1289254	1332876	842677.8	972802.4	9.375E-08	-.185856	1770994	2765604	0	584.4797
1994	0	6235921	3.233553E+12	5.341744E+14	1.630683E+13	2.650949E+14	6.893939E+11	2372410	3407541	1288470	1327208	842196.1	969876.8	9.375E-08	-.185856	1770127	2761389	0	586.4437
1994	1	6449441	4.818831E+12	5.515178E+14	2.309832E+13	2.722979E+14	7.910284E+11	2371987	3403473	1287710	1321710	841716.4	966963.8	9.375E-08	-.185856	1769261	2757185	0	588.4208
1994	2	6641363	6.977827E+12	5.749183E+14	3.189645E+13	2.813399E+14	8.913795E+11	2371610	3399857	1287042	1316881	841285	964343.1	9.375E-08	-.185856	1768482	2753396	0	590.1978
1994	3	7070308	9.853748E+12	6.061218E+14	4.354774E+13	2.931652E+14	1.008359E+12	2371207	3395995	1286350	1311875	840811.4	961466.9	9.375E-08	-.185856	1767623	2749220	0	594.1695
1994	4	7932897	1.36114E+13	6.4717E+14	5.865822E+13	3.082498E+14	1.13358E+12	2370843	3392502	1285759	1307606	840361.4	958734.1	9.375E-08	-.185856	1766800	2745220	0	601.2521
1994	5	8161703	1.167395E+11	5.885979E+14	3.886981E+11	3.093393E+14	8.238605E+10	2370473	3388950	1285165	1303308	839899.9	955931.4	9.375E-08	-.185856	1765954	2741108	0	602.4823
1994	6	8394738	1.74582E+11	5.8889E+14	9.653347E+11	3.105846E+14	1.624004E+11	2370119	3385557	1284604	1299245	839456	953234.7	9.375E-08	-.185856	1765137	2737141	0	603.7352
1994	7	8632162	2.882711E+11	5.894456E+14	1.597827E+12	3.119024E+14	2.452839E+11	2369758	3382097	1284037	1295148	838999.9	950464.4	9.375E-08	-.185856	1764296	2733054	0	605.0116
1994	8	8859697	4.90888E+11	5.903541E+14	2.36731E+12	3.133469E+14	3.285201E+11	2369403	3378681	1283484	1291149	838546.4	947709.8	9.375E-08	-.185856	1763458	2728981	0	606.2349
1994	9	9081362	8.267728E+11	5.919297E+14	3.379119E+12	3.149915E+14	4.097661E+11	2369062	3375417	1282962	1287371	838109.9	945058.7	9.375E-08	-.185856	1762650	2725050	0	607.4267
1994	10	9342036	1.352712E+12	5.94568E+14	4.91786E+12	3.171514E+14	4.9481E+11	2368716	3372093	1282438	1283580	837661.8	942336.8	9.375E-08	-.185856	1761817	2721003	0	608.8281
1994	11	9548521	2.139194E+12	5.984072E+14	6.825421E+12	3.196245E+14	5.783566E+11	2368385	3368916	1281942	1279997	837230.3	939716.8	9.375E-08	-.185856	1761013	2717097	0	609.9383
1995	0	9741913	3.273042E+12	6.039436E+14	9.360753E+12	3.226989E+14	6.662605E+11	2368047	3365672	1281442	1276378	836786.9	937022.9	9.375E-08	-.185856	1760185	2713072	0	610.978
1995	1	9936706	4.858162E+12	6.117621E+14	1.271767E+13	3.265286E+14	7.564502E+11	2367713	3362465	1280953	1272843	836345.4	934342.3	9.375E-08	-.185856	1759359	2709058	0	612.0253
1995	2	1.011171E+07	7.017017E+12	6.224912E+14	1.719789E+13	3.313259E+14	8.416773E+11	2367414	3359599	1280521	1269717	835948.6	931932.1	9.375E-08	-.185856	1758615	2705441	0	612.9662
1995	3	1.052193E+07	9.89278E+12	6.368287E+14	2.293138E+13	3.373405E+14	9.384371E+11	2367092	3356505	1280067	1266431	835513.9	929291.4	9.375E-08	-.185856	1757795	2701458	0	615.1717
1995	4	1.13664E+07	1.365028E+13	6.560328E+14	3.049832E+13	3.450166E+14	1.037505E+12	2366796	3353666	1279675	1263600	835102.1	926791	9.375E-08	-.185856	1757011	2697647	0	619.7118
1995	5	1.15847E+07	1.539475E+11	6.256196E+14	3.892733E+11	3.461046E+14	8.238589E+10	2366495	3350785	1279285	1260776	834679.9	924226.8	9.375E-08	-.185856	1756205	2693729	0	620.8855
1995	6	1.180758E+07	2.117046E+11	6.259082E+14	8.45415E+11	3.472289E+14	1.623115E+11	2366209	3348037	1278920	1258135	834273.7	921760	9.375E-08	-.185856	1755427	2689950	0	622.0837
1995	7	1.203451E+07	3.253055E+11	6.265522E+14	1.566155E+12	3.486236E+14	2.45324E+11	2365918	3345242	1278556	1255503	833856.6	919226.6	9.375E-08	-.185856	1754626	2686056	0	623.3038
1995	8	1.225154E+07	5.278342E+11	6.276589E+14	2.398024E+12	3.501125E+14	3.287324E+11	2365631	3342488	1278205	1252964	833441.8	916707.9	9.375E-08	-.185856	1753828	2682175	0	624.4706
1995	9	1.246305E+07	8.636337E+11	6.294429E+14	3.466099E+12	3.51788E+14	4.101507E+11	2365357	3339863	1277877	1250594	833042.8	914284.6	9.375E-08	-.185856	1753057	2678430	0	625.6078
1995	10	1.271323E+07	1.389485E+12	6.323145E+14	4.939572E+12	3.538486E+14	4.952845E+11	2365079	3337198	1277553	1248252	832633.3	911797.4	9.375E-08	-.185856	1752264	2674574	0	626.9528

1995	11	1.290955E+07	2.175881E+12	6.366892E+14	7.059582E+12	3.564713E+14	5.793207E+11	2364814	3334656	1277251	1246066	832239.1	909403.6	9.375E-08	-.185856	1751498	2670853	0	628.0084
1996	0	1.309245E+07	3.309641E+12	6.429705E+14	9.805725E+12	3.596691E+14	6.67819E+11	2364543	3332063	1276949	1243885	831833.8	906942.4	9.375E-08	-.185856	1750709	2667017	0	628.9916
1996	1	1.327674E+07	4.894673E+12	6.51705E+14	1.341377E+13	3.636324E+14	7.587191E+11	2364277	3329506	1276659	1241782	831430.8	904493.9	9.375E-08	-.185856	1749922	2663192	0	629.9825
1996	2	1.344818E+07	7.053478E+12	6.635608E+14	1.808914E+13	3.684949E+14	8.473612E+11	2364031	3327147	1276396	1239881	831055.4	902214.6	9.375E-08	-.185856	1749187	2659623	0	630.9042
1996	3	1.38479E+07	9.929153E+12	6.795491E+14	2.435091E+13	3.748229E+14	9.454315E+11	2363776	3324700	1276138	1238019	830658.6	899805	9.375E-08	-.185856	1748407	2655828	0	633.0532
1996	4	1.46822E+07	1.368657E+13	7.007718E+14	3.248747E+13	3.827911E+14	1.045983E+12	2363545	3322484	1275936	1236557	830283.6	897527.2	9.375E-08	-.185856	1747660	2652197	0	637.5387
1996	5	1.489037E+07	1.89569E+11	6.683688E+14	3.899026E+11	3.838776E+14	8.238576E+10	2363311	3320243	1275740	1235138	829899.1	895191.8	9.375E-08	-.185856	1746892	2648465	0	638.6579
1996	6	1.510344E+07	2.472437E+11	6.686644E+14	8.495877E+11	3.850008E+14	1.623114E+11	2363089	3318111	1275562	1233851	829529.3	892945.6	9.375E-08	-.185856	1746151	2644865	0	639.8034
1996	7	1.532023E+07	3.607595E+11	6.692144E+14	1.41729E+12	3.862412E+14	2.451342E+11	2362864	3315951	1275391	1232613	829149.6	890639.5	9.375E-08	-.185856	1745388	2641157	0	640.9689
1996	8	1.552712E+07	5.63203E+11	6.703063E+14	2.186585E+12	3.87656E+14	3.284642E+11	2362643	3313829	1275232	1231462	828772.1	888347.2	9.375E-08	-.185856	1744627	2637460	0	642.0813
1996	9	1.572882E+07	8.989202E+11	6.722092E+14	3.360933E+12	3.894106E+14	4.09998E+11	2362433	3311814	1275089	1230429	828409.1	886142.3	9.375E-08	-.185856	1743893	2633892	0	643.1657
1996	10	1.596886E+07	1.424686E+12	6.75179E+14	4.871508E+12	3.914711E+14	4.951353E+11	2362220	3309775	1274955	1229463	828036.6	883880	9.375E-08	-.185856	1743138	2630219	0	644.4562
1996	11	1.615537E+07	2.211E+12	6.795917E+14	6.886451E+12	3.939412E+14	5.789857E+11	2362018	3307838	1274836	1228603	827678.2	881703.1	9.375E-08	-.185856	1742408	2626675	0	645.459
1997	0	1.632813E+07	3.344675E+12	6.860434E+14	9.636583E+12	3.970672E+14	6.674117E+11	2361813	3305866	1274723	1227783	827309.8	879465.2	9.375E-08	-.185856	1741656	2623021	0	646.3878
1997	1	1.650228E+07	4.929622E+12	6.95037E+14	1.327981E+13	4.009595E+14	7.582423E+11	2361611	3303930	1274619	1227032	826943.2	877239.4	9.375E-08	-.185856	1740907	2619377	0	647.3241
1997	2	1.665865E+07	7.08832E+12	7.073069E+14	1.815063E+13	4.058481E+14	8.442932E+11	2361432	3302209	1274535	1226423	826613.8	875238.8	9.375E-08	-.185856	1740231	2616093	0	648.1648
1997	3	1.704823E+07	9.96391E+12	7.236534E+14	2.441361E+13	4.119944E+14	9.420949E+11	2361240	3300370	1274460	1225881	826253.2	873048.8	9.375E-08	-.185856	1739488	2612482	0	650.176
1997	4	1.787273E+07	1.372125E+13	7.452468E+14	3.283593E+13	4.200141E+14	1.042436E+12	2361060	3298640	1274392	1225390	825910.2	870965.8	9.375E-08	-.185856	1738789	2609084	0	653.1851
1997	5	1.8072E+07	2.236683E+11	7.125663E+14	5.370407E+11	4.212421E+14	8.253452E+10	2360875	3296870	1274323	1224891	825557.8	868825.9	9.375E-08	-.185856	1738073	2605606	0	653.9124
1997	6	1.827645E+07	2.812706E+11	7.126649E+14	9.802977E+11	4.223577E+14	1.623001E+11	2360698	3295172	1274257	1224416	825218.3	866764.3	9.375E-08	-.185856	1737386	2602264	0	654.6586
1997	7	1.848434E+07	3.947116E+11	7.129606E+14	1.631638E+12	4.236914E+14	2.449872E+11	2360516	3293431	1274186	1223901	824869.1	864643.8	9.375E-08	-.185856	1736680	2598835	0	655.4173
1997	8	1.868234E+07	5.970804E+11	7.133508E+14	2.375555E+12	4.251126E+14	3.277602E+11	2360336	3291704	1274116	1223395	824521.5	862532.8	9.375E-08	-.185856	1735980	2595432	0	656.14
1997	9	1.887543E+07	9.327252E+11	7.138324E+14	3.093768E+12	4.264805E+14	4.079209E+11	2360163	3290045	1274050	1222913	824186.6	860498.1	9.375E-08	-.185856	1735307	2592162	0	656.8446
1997	10	1.910657E+07	1.458416E+12	7.146128E+14	4.046534E+12	4.280889E+14	4.91033E+11	2359985	3288342	1273982	1222425	823842.2	858406.4	9.375E-08	-.185856	1734618	2588811	0	657.6882
1997	11	1.928447E+07	2.244658E+12	7.157089E+14	5.166449E+12	4.298243E+14	5.717988E+11	2359815	3286705	1273918	1221960	823510.3	856390.4	9.375E-08	-.185856	1733955	2585590	0	658.3375
1998	0	1.944833E+07	3.378259E+12	7.171451E+14	6.361235E+12	4.316403E+14	6.5541E+11	2359640	3285026	1273852	1221486	823168.4	854314.4	9.375E-08	-.185856	1733275	2582282	0	658.9355
1998	1	1.961359E+07	4.96313E+12	7.191872E+14	7.890169E+12	4.337576E+14	7.39604E+11	2359466	3283358	1273788	1221020	822827.9	852246.3	9.375E-08	-.185856	1732598	2578994	0	659.5386
1998	2	1.976192E+07	7.121761E+12	7.218162E+14	9.525486E+12	4.358847E+14	8.162228E+11	2359310	3281861	1273730	1220604	822521.4	850384.7	9.375E-08	-.185856	1731991	2576042	0	660.08
1998	3	2.01426E+07	9.997277E+12	7.254011E+14	1.164979E+13	4.385182E+14	9.0166E+11	2359140	3280229	1273669	1220160	822184.8	848340.8	9.375E-08	-.185856	1731327	2572819	0	661.4694
1998	4	2.095849E+07	1.375454E+13	7.303638E+14	1.453443E+13	4.418156E+14	9.857669E+11	2358981	3278699	1273614	1219764	821865	846398.6	9.375E-08	-.185856	1730706	2569797	0	664.447
1998	5	2.115135E+07	2.558242E+11	7.160269E+14	5.529072E+11	4.43054E+14	8.258263E+10	2358817	3277134	1273552	1219313	821536.6	844403.9	9.375E-08	-.185856	1730069	2566703	0	665.1509
1998	6	2.134961E+07	3.133745E+11	7.162028E+14	1.026546E+12	4.441918E+14	1.62426E+11	2358661	3275633	1273493	1218887	821220.2	842482.6	9.375E-08	-.185856	1729458	2563734	0	665.8745
1998	7	2.155109E+07	4.267617E+11	7.16599E+14	1.719677E+12	4.455566E+14	2.452057E+11	2358501	3274096	1273433	1218455	820894.8	840506.3	9.375E-08	-.185856	1728832	2560689	0	666.6098
1998	8	2.174269E+07	6.290767E+11	7.171341E+14	2.523086E+12	4.470221E+14	3.281122E+11	2358342	3272572	1273375	1218033	820570.9	838538.9	9.375E-08	-.185856	1728210	2557669	0	667.3091
1998	9	2.192957E+07	9.646695E+11	7.178609E+14	3.331061E+12	4.484563E+14	4.085024E+11	2358189	3271104	1273319	1217633	820258.8	836643.4	9.375E-08	-.185856	1727613	2554768	0	667.9911
1998	10	2.215431E+07	1.490307E+12	7.189571E+14	4.405159E+12	4.501554E+14	4.91894E+11	2358033	3269602	1273264	1217230	819937.9	834694.8	9.375E-08	-.185856	1727003	2551798	0	668.8113
1998	11	2.232601E+07	2.276496E+12	7.203937E+14	5.534568E+12	4.518653E+14	5.728856E+11	2357883	3268161	1273211	1216849	819628.8	832816.9	9.375E-08	-.185856	1726415	2548944	0	669.438
1999	0	2.248347E+07	3.410043E+12	7.224225E+14	6.999834E+12	4.538967E+14	6.570602E+11	2357729	3266682	1273158	1216461	819310.5	830883.7	9.375E-08	-.185856	1725813	2546016	0	670.0126
1999	1	2.264232E+07	4.994861E+12	7.251517E+14	8.768348E+12	4.561882E+14	7.418327E+11	2357575	3265215	1273105	1216082	818993.4	828958.1	9.375E-08	-.185856	1725214	2543106	0	670.5924
1999	2	2.278487E+07	7.153443E+12	7.286607E+14	1.071403E+13	4.585414E+14	8.192402E+11	2357438	3263898	1273059	1215745	818708	827224.9	9.375E-08	-.185856	1724677	2540494	0	671.1127
1999	3	2.315914E+07	1.00289E+13	7.333023E+14	1.320324E+13	4.614374E+14	9.055892E+11	2357289	3262466	1273010	1215390	818394.8	825322.8	9.375E-08	-.185856	1724091	2537647	0	672.4786
1999	4	2.396883E+07	1.378612E+13	7.396149E+14	1.655538E+13	4.650697E+14	9.908491E+11	2357149	3261127	1272953	1214982	818097.6	823517.4	9.375E-08	-.185856	1723544	2534988	0	675.4337
1999	5	2.415545E+07	2.870185E+11	7.231704E+14	5.149555E+11	4.662765E+14	8.248449E+10	2357007	3259760	1272896	1214572	817792.4	821663.5	9.375E-08	-.185856	1722984	2532267	0	676.1147
1999	6	2.434766E+07	3.44518E+11	7.232794E+14	9.664475E+11	4.673972E+14	1.622869E+11	2356870	3258450	1272843	1214187	817498.3	819877.6	9.375E-08	-.185856	1722447	2529657	0	676.8163
1999	7	2.454289E+07	4.578528E+11	7.235745E+14	1.606127E+12	4.687172E+14	2.449541E+11	2356730	3257102	1272790	1213802	817195.9	818041.2	9.375E-08	-.185856	1721897	2526985	0	677.5288
1999	8	2.472824E+07	6.601153E+11	7.239498E+14	2.216023E+12	4.70002E+14	3.276649E+11	2356591	3255768	1272738	1213428	816894.9	816213.4	9.375E-08	-.185856	1721352	2524335	0	678.2053
1999	9	2.490908E+07	9.956573E+11	7.246551E+14	3.043696E+12	4.714616E+14	4.080355E+11	2356457	3254488	1272690	1213078	816605.1	814452.4	9.375E-08	-.185856	1720829	2521792	0	678.8652
1999	10	2.512756E+07	1.521242E+12	7.257409E+14	4.069318E+12	4.731173E+14	4.914326E+11	2356321	3253181	1272642	1212730	816307.1	812642.8	9.375E-08	-.185856	1720293	2519190	0	679.6627
1999	11	2.529322E+07	2.307381E+12	7.272167E+14	5.144953E+12	4.747764E+14	5.724131E+11	2356190	3251927	1272596	1212402	816019.9	810899.1	9.375E-08	-.185856	1719780	2516693	0	680.2672
2000	0	2.544443E+07	3.440875E+12	7.293987E+14	6.583575E+12	4.767759E+14	6.567193E+11	2356056	3250643	1272551	1212074	815724.4	809104.4	9.375E-08	-.185856	1719252	2514130	0	680.8191
2000	1	2.559703E+07	5.025641E+12	7.323106E+14	8.195671E+12	4.789034E+14	7.415257E+11	2355923	3249368	1272507	1211755	815430	807316.3	9.375E-08	-.185856	1718729	2511586	0	681.376
2000	2	2.573882E+07	7.184196E+12	7.362685E+14	1.02386E+13	4.813513E+14	8.219334E+11	2355800	3248186	1272467	1211465	815155.5	805649.7	9.375E-08	-.185856	1718243	2509223	0	681.8935
2000	3	2.610685E+07	1.005961E+13	7.415549E+14	1.279209E+13	4.842702E+14	9.08771E+11	2355670	3246939	1272427	1211178	814865	803885.3	9.375E-08	-.185856	1717732	2506742	0	683.2367
2000	4	2.691049E+07	1.381677E+13	7.487114E+14	1.624957E+13	4.87948E+14	9.946653E+11	2355550	3245786	1272427	1211178	814589.6	802212.8	9.375E-08	-.185856	1717258	2504434	0	686.1697
2000	5	2.7091E+07	3.173614E+11	7.325177E+14	3.85734E+11	4.890273E+14	8.237685E+10	2355427	3244609	1272427	1211178	814306.8	800494.9	9.375E-08	-.185856	1716772	2502075	0	686.8285
2000	6	2.72773E+07	3.748112E+11	7.327587E+14	9.359814E+11	4.902368E+14	1.623067E+11	2355309	3243475	1272427	1211178	814034.4	798840.9	9.375E-08	-.185856	1716307	2499815	0	687.5084
2000	7	2.746643E+07	4.880947E+11	7.330791E+14	1.467764E+12	4.914437E+14	2.44936E+11	2355188	3242316	1272427	1211178	813754.4	797140.4	9.375E-08	-.185856	1715831	2497502	0	688.1987
2000	8	2.764568E+07	6.903059E+11	7.337309E+14	2.22903E+12	4.928577E+14	3.278807E+11	2355069	3241170	1272427	1211178	813475.8	795447.8	9.375E-08	-.185856	1715360	2495211	0	688.8528

2000	9	2.782061E+07	1.025798E+12	7.347638E+14	3.165383E+12	4.943971E+14	4.085425E+11	2354954	3240073	1272427	1211178	813207.4	793817.7	9.375E-08	-.185856	1714908	2493015	0	689.4913
2000	10	2.803299E+07	1.551332E+12	7.361883E+14	4.174595E+12	4.960043E+14	4.920948E+11	2354838	3238954	1272427	1211178	812931.7	792143.1	9.375E-08	-.185856	1714446	2490771	0	690.2664
2000	11	2.819274E+07	2.337421E+12	7.383244E+14	5.525627E+12	4.978808E+14	5.736677E+11	2354726	3237882	1272427	1211178	812666	790529.7	9.375E-08	-.185856	1714003	2488618	0	690.8494
2001	0	2.833783E+07	3.470864E+12	7.411965E+14	7.062957E+12	4.999142E+14	6.583929E+11	2354611	3236784	1272427	1211178	812392.6	788868.7	9.375E-08	-.185856	1713549	2486412	0	691.379
2001	1	2.848433E+07	5.055578E+12	7.451225E+14	9.056358E+12	5.023304E+14	7.44032E+11	2354498	3235696	1272427	1211178	812120.2	787214.6	9.375E-08	-.185856	1713099	2484223	0	691.9136
2001	2	2.861572E+07	7.214067E+12	7.501907E+14	1.13217E+13	5.048702E+14	8.225785E+11	2354396	3234722	1272427	1211178	811875.1	785726.1	9.375E-08	-.185856	1712695	2482260	0	692.3931
2001	3	2.897765E+07	1.008942E+13	7.568707E+14	1.425424E+13	5.080319E+14	9.104367E+11	2354285	3233660	1272427	1211178	811606.5	784094.8	9.375E-08	-.185856	1712257	2480131	0	693.7141
2001	4	2.977538E+07	1.384654E+13	7.657263E+14	1.819181E+13	5.120207E+14	9.975709E+11	2354184	3232685	1272427	1211178	811352.1	782550.1	9.375E-08	-.185856	1711852	2478163	0	696.6255
2001	5	2.994994E+07	3.469091E+11	7.476416E+14	5.144326E+11	5.132258E+14	8.248652E+10	2354080	3231692	1272427	1211178	811090.9	780964.3	9.375E-08	-.185856	1711439	2476154	0	697.2626
2001	6	3.013049E+07	4.043106E+11	7.47819E+14	9.826384E+11	5.143554E+14	1.623551E+11	2353980	3230734	1272427	1211178	810839.6	779437.8	9.375E-08	-.185856	1711043	2474231	0	697.9215
2001	7	3.031367E+07	5.175441E+11	7.481876E+14	1.640298E+12	5.156842E+14	2.450884E+11	2353878	3229757	1272427	1211178	810581.4	777868.9	9.375E-08	-.185856	1710639	2472266	0	698.59
2001	8	3.048697E+07	7.197053E+11	7.48753E+14	2.304471E+12	5.170035E+14	3.279211E+11	2353777	3228791	1272427	1211178	810324.3	776307.5	9.375E-08	-.185856	1710239	2470323	0	699.2225
2001	9	3.065614E+07	1.055149E+12	7.497495E+14	3.2187E+12	5.185179E+14	4.085501E+11	2353681	3227869	1272427	1211178	810076.8	774804	9.375E-08	-.185856	1709856	2468462	0	699.84
2001	10	3.086258E+07	1.580633E+12	7.511425E+14	4.205356E+12	5.200968E+14	4.920622E+11	2353583	3226925	1272427	1211178	809823.1	773263.1	9.375E-08	-.185856	1709463	2466552	0	700.4212
2001	11	3.101657E+07	2.366674E+12	7.531788E+14	5.390034E+12	5.218016E+14	5.734034E+11	2353488	3226018	1272427	1211178	809579.1	771781.1	9.375E-08	-.185856	1709085	2464712	0	700.8201
2002	0	3.115573E+07	3.500067E+12	7.560954E+14	6.985983E+12	5.238741E+14	6.581616E+11	2353391	3225087	1272427	1211178	809328.4	770258.7	9.375E-08	-.185856	1708695	2462817	0	701.1807
2002	1	3.129628E+07	5.084731E+12	7.599664E+14	8.828145E+12	5.261185E+14	7.436255E+11	2353295	3224161	1272427	1211178	809079.3	768745.6	9.375E-08	-.185856	1708306	2460929	0	701.5447
2002	2	3.14223E+07	7.243174E+12	7.650292E+14	1.100836E+13	5.285434E+14	8.219961E+11	2353208	3223329	1272427	1211178	808855.6	767386.3	9.375E-08	-.185856	1707957	2459229	0	701.8712
2002	3	3.177827E+07	1.011848E+13	7.715729E+14	1.369683E+13	5.314311E+14	9.094445E+11	2353113	3222422	1272427	1211178	808611.6	765903.9	9.375E-08	-.185856	1707573	2457364	0	702.7935
2002	4	3.257025E+07	1.387554E+13	7.801124E+14	1.714093E+13	5.348994E+14	9.958541E+11	2353024	3221565	1272427	1211178	808383.2	764517.5	9.375E-08	-.185856	1707209	2455598	0	704.8452
2002	5	3.274014E+07	3.756601E+11	7.630772E+14	5.142781E+11	5.361038E+14	8.248776E+10	2352932	3220687	1272427	1211178	808149.5	763098	9.375E-08	-.185856	1706836	2453784	0	705.2853
2002	6	3.291616E+07	4.330236E+11	7.631693E+14	9.57741E+11	5.372151E+14	1.622542E+11	2352844	3219845	1272427	1211178	807925	761734.7	9.375E-08	-.185856	1706477	2452037	0	705.7413
2002	7	3.309467E+07	5.462178E+11	7.632656E+14	1.41432E+12	5.38362E+14	2.446768E+11	2352754	3218981	1272427	1211178	807694.9	760337.7	9.375E-08	-.185856	1706107	2450241	0	706.2038
2002	8	3.326329E+07	7.483399E+11	7.633941E+14	1.887644E+12	5.395227E+14	3.271468E+11	2352665	3218125	1272427	1211178	807466.7	758951.6	9.375E-08	-.185856	1705739	2448453	0	706.6407
2002	9	3.342795E+07	1.083746E+12	7.6366E+14	2.51831E+12	5.4081E+14	4.071137E+11	2352579	3217303	1272427	1211178	807247.5	757620	9.375E-08	-.185856	1705385	2446730	0	707.0672
2002	10	3.36297E+07	1.60919E+12	7.63903E+14	3.094638E+12	5.420676E+14	4.896594E+11	2352491	3216461	1272427	1211178	807023.1	756257.1	9.375E-08	-.185856	1705021	2444960	0	707.5899
2002	11	3.377918E+07	2.395193E+12	7.641897E+14	3.677596E+12	5.433073E+14	5.695645E+11	2352407	3215653	1272427	1211178	806807.6	754947.6	9.375E-08	-.185856	1704670	2443255	0	707.9771
2003	0	3.391365E+07	3.528547E+12	7.645601E+14	4.308708E+12	5.446126E+14	6.521562E+11	2352321	3214823	1272427	1211178	806586.1	753602.6	9.375E-08	-.185856	1704309	2441500	0	708.3255
2003	1	3.404953E+07	5.113172E+12	7.649901E+14	4.962957E+12	5.459391E+14	7.347618E+11	2352235	3213999	1272427	1211178	806366.1	752266.4	9.375E-08	-.185856	1703949	2439752	0	708.6776
2003	2	3.417132E+07	7.271579E+12	7.655159E+14	5.623441E+12	5.471994E+14	8.094629E+11	2352158	3213259	1272427	1211178	806168.7	751066.8	9.375E-08	-.185856	1703625	2438177	0	708.993
2003	3	3.452263E+07	1.014685E+13	7.663638E+14	6.549726E+12	5.487727E+14	8.923786E+11	2352072	3212440	1272427	1211178	805953.6	749760.7	9.375E-08	-.185856	1703270	2436451	0	709.9032
2003	4	3.531008E+07	1.390387E+13	7.675633E+14	7.658953E+12	5.504822E+14	9.72906E+11	2351993	3211680	1272427	1211178	805753.3	748544.3	9.375E-08	-.185856	1702934	2434817	0	711.9432
2003	5	3.547594E+07	4.032445E+11	7.59911E+14	3.614648E+11	5.515395E+14	8.232055E+10	2351912	3210902	1272427	1211178	805548.4	747300	9.375E-08	-.185856	1702589	2433141	0	712.3729
2003	6	3.564805E+07	4.605752E+11	7.599198E+14	7.120334E+11	5.525635E+14	1.619847E+11	2351834	3210156	1272427	1211178	805351.9	746106.6	9.375E-08	-.185856	1702256	2431527	0	712.8188
2003	7	3.582252E+07	5.737356E+11	7.600639E+14	1.245007E+12	5.537829E+14	2.444922E+11	2351755	3209392	1272427	1211178	805150.6	744884.1	9.375E-08	-.185856	1701915	2429868	0	713.2708
2003	8	3.598711E+07	7.758237E+11	7.601651E+14	1.703686E+12	5.549312E+14	3.269159E+11	2351676	3208635	1272427	1211178	804951.1	743672.3	9.375E-08	-.185856	1701575	2428217	0	713.6971
2003	9	3.614785E+07	1.111197E+12	7.603016E+14	2.168643E+12	5.5606E+14	4.067329E+11	2351600	3207909	1272427	1211178	804759.7	742509.6	9.375E-08	-.185856	1701248	2426627	0	714.1136
2003	10	3.634558E+07	1.636607E+12	7.604816E+14	2.662785E+12	5.572382E+14	4.89189E+11	2351523	3207167	1272427	1211178	804563.9	741320.4	9.375E-08	-.185856	1700912	2424993	0	714.6259
2003	11	3.649114E+07	2.422577E+12	7.607898E+14	3.310061E+12	5.585398E+14	5.691674E+11	2351448	3206454	1272427	1211178	804375.9	740178.7	9.375E-08	-.185856	1700588	2423419	0	715.0029
2004	0	3.662158E+07	3.555897E+12	7.610967E+14	3.911865E+12	5.598193E+14	6.517292E+11	2351372	3205723	1272427	1211178	804183	739007.4	9.375E-08	-.185856	1700255	2421799	0	715.3409
2004	1	3.675342E+07	5.140488E+12	7.616082E+14	4.588454E+12	5.611573E+14	7.344056E+11	2351295	3204982	1272427	1211178	803991.5	737843.9	9.375E-08	-.185856	1699923	2420186	0	715.6824
2004	2	3.687579E+07	7.298881E+12	7.622992E+14	5.302549E+12	5.624753E+14	8.118671E+11	2351223	3204294	1272427	1211178	803813.5	736762.9	9.375E-08	-.185856	1699613	2418683	0	715.9995
2004	3	3.722306E+07	1.017411E+13	7.633575E+14	6.172237E+12	5.639634E+14	8.948856E+11	2351148	3203573	1272427	1211178	803626.8	735629.1	9.375E-08	-.185856	1699286	2417092	0	716.8991
2004	4	3.80066E+07	1.393111E+13	7.649931E+14	7.346111E+12	5.656886E+14	9.757052E+11	2351078	3202906	1272427	1211178	803454.1	734579.9	9.375E-08	-.185856	1698977	2415589	0	718.929
2004	5	3.816849E+07	4.302736E+11	7.577503E+14	5.14004E+11	5.668919E+14	8.24905E+10	2351007	3202225	1272427	1211178	803277.5	733507.8	9.375E-08	-.185856	1698659	2414046	0	719.3484
2004	6	3.833676E+07	4.87572E+11	7.578412E+14	9.578672E+11	5.680022E+14	1.62258E+11	2350939	3201573	1272427	1211178	803108.3	732479.9	9.375E-08	-.185856	1698354	2412562	0	719.7844
2004	7	3.850726E+07	6.00699E+11	7.579354E+14	1.4145E+12	5.691476E+14	2.446814E+11	2350870	3200906	1272427	1211178	802935.2	731428.8	9.375E-08	-.185856	1698040	2411037	0	720.2261
2004	8	3.866787E+07	8.027537E+11	7.580814E+14	1.895902E+12	5.703131E+14	3.271301E+11	2350801	3200246	1272427	1211178	802763.8	730387.3	9.375E-08	-.185856	1697728	2409520	0	720.6422
2004	9	3.882477E+07	1.138095E+12	7.583443E+14	2.526709E+12	5.715982E+14	4.071006E+11	2350736	3199613	1272427	1211178	802599.5	729389.2	9.375E-08	-.185856	1697427	2408059	0	721.0486
2004	10	3.901852E+07	1.663472E+12	7.586085E+14	3.117678E+12	5.728643E+14	4.896977E+11	2350668	3198968	1272427	1211178	802431.8	728370.5	9.375E-08	-.185856	1697118	2406558	0	721.5506
2004	11	3.916024E+07	2.449409E+12	7.590506E+14	3.758899E+12	5.741432E+14	5.697113E+11	2350602	3198331	1272427	1211178	802270.8	727392.7	9.375E-08	-.185856	1696821	2405112	0	721.9177
2005	0	3.928671E+07	3.582696E+12	7.596558E+14	4.467171E+12	5.754978E+14	6.524752E+11	2350534	3197679	1272427	1211178	802105.9	726390.6	9.375E-08	-.185856	1696515	2403625	0	722.2454
2005	1	3.941458E+07	5.167254E+12	7.605613E+14	5.276055E+12	5.769265E+14	7.354234E+11	2350466	3197032	1272427	1211178	801942.3	725396.9	9.375E-08	-.185856	1696211	2402144	0	722.5767
2005	2	3.952914E+07	7.3256E+12	7.618932E+14	6.190211E+12	5.783555E+14	8.106719E+11	2350406	3196452	1272427	1211178	801795.6	724506.1	9.375E-08	-.185856	1695936	2400812	0	722.8734
2005	3	3.987244E+07	1.02008E+13	7.639532E+14	7.506872E+12	5.801905E+14	8.944856E+11	2350340	3195824	1272427	1211178	801636.8	723540.9	9.375E-08	-.185856	1695636	2399353	0	723.7628
2005	4	4.065214E+07	1.395776E+13	7.668733E+14	9.156944E+12	5.822607E+14	9.762047E+11	2350280	3195248	1272427	1211178	801490.7	722653.8	9.375E-08	-.185856	1695353	2397978	0	725.7827
2005	5	4.081012E+07	4.567423E+11	7.577209E+14	3.611967E+11	5.833169E+14	8.232073E+10	2350219	3194661	1272427	1211178	801341.7	721748.6	9.375E-08	-.185856	1695063	2396567	0	726.192
2005	6	4.097462E+07	5.14009E+11	7.577426E+14	7.210869E+11	5.843469E+14	1.620286E+11	2350160	3194100	1272427	1211178	801199.3	720882.9	9.375E-08	-.185856	1694784	2395209	0	726.6182

2005	7	4.114122E+07	6.271032E+11	7.578848E+14	1.254137E+12	5.85565E+14	2.445382E+11	2350100	3193527	1272427	1211178	801053.6	719998.3	9.375E-08	-.185856	1694497	2393814	0	727.0498
2005	8	4.129794E+07	8.291253E+11	7.579825E+14	1.712371E+12	5.867113E+14	3.269626E+11	2350041	3192960	1272427	1211178	800909.6	719123.6	9.375E-08	-.185856	1694211	2392426	0	727.4558
2005	9	4.145106E+07	1.164434E+12	7.580989E+14	2.167115E+12	5.878304E+14	4.067383E+11	2349985	3192419	1272427	1211178	800771.9	718287	9.375E-08	-.185856	1693936	2391091	0	727.8525
2005	10	4.164092E+07	1.689779E+12	7.583954E+14	2.69872E+12	5.890314E+14	4.892774E+11	2349925	3191844	1272427	1211178	800631.4	717433.7	9.375E-08	-.185856	1693655	2389721	0	728.3444
2005	11	4.177886E+07	2.475685E+12	7.588409E+14	3.267773E+12	5.902337E+14	5.692513E+11	2349868	3191293	1272427	1211178	800496.8	716616.6	9.375E-08	-.185856	1693383	2388402	0	728.7017
2006	0	4.190144E+07	3.608939E+12	7.596877E+14	4.105491E+12	5.916912E+14	6.522746E+11	2349809	3190730	1272427	1211178	800359.1	715780.3	9.375E-08	-.185856	1693104	2387043	0	729.0193
2006	1	4.202541E+07	5.193464E+12	7.608861E+14	4.991836E+12	5.931635E+14	7.354276E+11	2349751	3190172	1272427	1211178	800222.7	714952.1	9.375E-08	-.185856	1692826	2385691	0	729.3405
2006	2	4.213645E+07	7.351781E+12	7.626912E+14	6.04431E+12	5.946763E+14	8.109923E+11	2349699	3189673	1272427	1211178	800100.4	714209.4	9.375E-08	-.185856	1692575	2384475	0	729.6281
2006	3	4.247584E+07	1.022695E+13	7.652477E+14	7.371189E+12	5.964592E+14	8.949983E+11	2349643	3189135	1272427	1211178	799968.8	713409.4	9.375E-08	-.185856	1692302	2383146	0	730.5074
2006	4	4.325177E+07	1.398388E+13	7.689603E+14	9.195219E+12	5.986074E+14	9.772178E+11	2349592	3188647	1272427	1211178	799848.9	712681.5	9.375E-08	-.185856	1692044	2381895	0	732.5175
2006	5	4.340593E+07	4.827178E+11	7.597684E+14	3.610673E+11	5.996631E+14	8.232087E+10	2349540	3188150	1272427	1211178	799726.8	711940.4	9.375E-08	-.185856	1691780	2380612	0	732.9169
2006	6	4.356672E+07	5.399534E+11	7.599074E+14	8.816931E+11	6.008457E+14	1.621757E+11	2349491	3187677	1272427	1211178	799610.2	711231.9	9.375E-08	-.185856	1691527	2379378	0	733.3335
2006	7	4.372949E+07	6.530154E+11	7.600161E+14	1.348503E+12	6.019972E+14	2.446456E+11	2349440	3187195	1272427	1211178	799491.4	710510.6	9.375E-08	-.185856	1691266	2378110	0	733.7552
2006	8	4.388238E+07	8.550052E+11	7.601243E+14	1.812527E+12	6.031474E+14	3.270765E+11	2349391	3186719	1272427	1211178	799374.3	709799.3	9.375E-08	-.185856	1691006	2376849	0	734.1512
2006	9	4.40318E+07	1.190283E+12	7.604142E+14	2.330752E+12	6.043105E+14	4.0696E+11	2349340	3186235	1272427	1211178	799262.3	709118.9	9.375E-08	-.185856	1690757	2375636	0	734.5383
2006	10	4.421782E+07	1.715596E+12	7.609494E+14	3.061786E+12	6.05688E+14	4.897613E+11	2349289	3185743	1272427	1211178	799148.6	708428.1	9.375E-08	-.185856	1690501	2374392	0	735.0203
2006	11	4.435206E+07	2.50147E+12	7.617265E+14	3.800533E+12	6.070245E+14	5.699993E+11	2349240	3185274	1272427	1211178	799039.9	707768	9.375E-08	-.185856	1690255	2373195	0	735.368
2007	0	4.44708E+07	3.634692E+12	7.629624E+14	4.705559E+12	6.08503E+14	6.531716E+11	2349190	3184794	1272427	1211178	798928.6	707092.3	9.375E-08	-.185856	1690001	2371964	0	735.6757
2007	1	4.459094E+07	5.219185E+12	7.647775E+14	5.796455E+12	6.10109E+14	7.367037E+11	2349140	3184320	1272427	1211178	798818.6	706424.5	9.375E-08	-.185856	1689749	2370739	0	735.9869
2007	2	4.469852E+07	7.377473E+12	7.673851E+14	7.112216E+12	6.117912E+14	8.127971E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	736.2656
2007	3	4.4982E+07	1.025207E+13	7.734603E+14	1.216391E+13	6.161585E+14	9.012305E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	4	4.4982E+07	1.400112E+13	7.681169E+14	1.613407E+13	6.098472E+14	9.700825E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	5	4.4982E+07	4.980212E+11	7.494587E+14	3.593456E+11	6.088501E+14	8.204345E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	6	4.4982E+07	5.535723E+11	7.468406E+14	7.046277E+11	6.077357E+14	1.608736E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	7	4.4982E+07	6.649338E+11	7.442096E+14	1.058971E+12	6.066373E+14	2.417724E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	8	4.4982E+07	8.65332E+11	7.41758E+14	1.411131E+12	6.05678E+14	3.221728E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	9	4.4982E+07	1.199059E+12	7.393769E+14	1.749671E+12	6.047361E+14	3.994636E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	10	4.4982E+07	1.722449E+12	7.364254E+14	2.095774E+12	6.033537E+14	4.784813E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2007	11	4.4982E+07	2.506947E+12	7.343204E+14	2.430503E+12	6.026245E+14	5.549022E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	0	4.4982E+07	3.638957E+12	7.324745E+14	2.775585E+12	6.021358E+14	6.336865E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	1	4.4982E+07	5.222228E+12	7.306159E+14	3.11884E+12	6.016314E+14	7.120539E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	2	4.4982E+07	7.379399E+12	7.289008E+14	3.438446E+12	6.011743E+14	7.850221E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	3	4.4982E+07	1.025117E+13	7.237093E+14	3.760939E+12	5.979063E+14	8.586494E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	4	4.4982E+07	1.40005E+13	7.119855E+14	4.030363E+12	5.891856E+14	9.201604E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	5	4.4982E+07	4.963383E+11	7.055788E+14	3.593456E+11	5.882579E+14	8.204367E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	6	4.4982E+07	5.518953E+11	7.031141E+14	7.046277E+11	5.872154E+14	1.608738E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	7	4.4982E+07	6.632627E+11	7.006373E+14	1.058971E+12	5.861894E+14	2.417726E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	8	4.4982E+07	8.636664E+11	6.983293E+14	1.411131E+12	5.852975E+14	3.22173E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	9	4.4982E+07	1.197398E+12	6.960878E+14	1.749671E+12	5.844211E+14	3.994638E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	10	4.4982E+07	1.720796E+12	6.933091E+14	2.095774E+12	5.831198E+14	4.784815E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	11	4.4982E+07	2.505298E+12	6.913275E+14	2.430503E+12	5.824485E+14	5.549025E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	0	4.4982E+07	3.637312E+12	6.895897E+14	2.775585E+12	5.820105E+14	6.336868E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	1	4.4982E+07	5.220587E+12	6.8784E+14	3.11884E+12	5.815572E+14	7.120541E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	2	4.4982E+07	7.377789E+12	6.86281E+14	3.42745E+12	5.811615E+14	7.825119E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	3	4.4982E+07	1.024957E+13	6.813927E+14	3.750048E+12	5.780358E+14	8.56163E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	4	4.4982E+07	1.399893E+13	6.703537E+14	4.019669E+12	5.696363E+14	9.177192E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	5	4.4982E+07	4.946482E+11	6.640975E+14	3.593456E+11	5.687743E+14	8.204392E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	6	4.4982E+07	5.502112E+11	6.617778E+14	7.046277E+11	5.677999E+14	1.608741E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	7	4.4982E+07	6.615845E+11	6.594467E+14	1.058971E+12	5.668423E+14	2.417729E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	8	4.4982E+07	8.619938E+11	6.572744E+14	1.411131E+12	5.660142E+14	3.221733E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	9	4.4982E+07	1.195731E+12	6.551648E+14	1.749671E+12	5.651998E+14	3.994641E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	10	4.4982E+07	1.719135E+12	6.525496E+14	2.095774E+12	5.639752E+14	4.784818E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	11	4.4982E+07	2.503641E+12	6.506846E+14	2.430503E+12	5.633587E+14	5.549027E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	0	4.4982E+07	3.63566E+12	6.490491E+14	2.775585E+12	5.629688E+14	6.33687E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	1	4.4982E+07	5.218939E+12	6.474024E+14	3.11884E+12	5.625638E+14	7.120544E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	2	4.4982E+07	7.376145E+12	6.459351E+14	3.42745E+12	5.622112E+14	7.825122E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	3	4.4982E+07	1.024794E+13	6.413342E+14	3.750048E+12	5.592205E+14	8.561633E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	4	4.4982E+07	1.399732E+13	6.309443E+14	4.019669E+12	5.511259E+14	9.177195E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2010	5	4.4982E+07	4.929476E+11	6.248206E+14	3.593456E+11	5.50326E+14	8.204418E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	6	4.4982E+07	5.485165E+11	6.226382E+14	7.046277E+11	5.494161E+14	1.608743E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	7	4.4982E+07	6.598959E+11	6.20445E+14	1.058971E+12	5.485234E+14	2.417732E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	8	4.4982E+07	8.603107E+11	6.184014E+14	1.411131E+12	5.477556E+14	3.221735E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	9	4.4982E+07	1.194053E+12	6.164167E+14	1.749671E+12	5.469998E+14	3.994644E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	10	4.4982E+07	1.717464E+12	6.139562E+14	2.095774E+12	5.45848E+14	4.78482E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	11	4.4982E+07	2.501975E+12	6.122016E+14	2.430503E+12	5.452833E+14	5.549029E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	0	4.4982E+07	3.633998E+12	6.106629E+14	2.775585E+12	5.449389E+14	6.336873E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	1	4.4982E+07	5.217282E+12	6.091137E+14	3.11884E+12	5.445797E+14	7.120547E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	2	4.4982E+07	7.374491E+12	6.077333E+14	3.42745E+12	5.442679E+14	7.825124E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	3	4.4982E+07	1.02463E+13	6.034047E+14	3.750048E+12	5.41405E+14	8.561635E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	4	4.4982E+07	1.399571E+13	5.936292E+14	4.019669E+12	5.335992E+14	9.177197E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	5	4.4982E+07	4.912359E+11	5.876308E+14	3.593456E+11	5.328581E+14	8.204449E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	6	4.4982E+07	5.468108E+11	5.855785E+14	7.046277E+11	5.320093E+14	1.608746E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	7	4.4982E+07	6.581961E+11	5.835159E+14	1.058971E+12	5.311779E+14	2.417735E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	8	4.4982E+07	8.586165E+11	5.81594E+14	1.411131E+12	5.304674E+14	3.221738E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	9	4.4982E+07	1.192365E+12	5.797275E+14	1.749671E+12	5.297671E+14	3.994646E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	10	4.4982E+07	1.715782E+12	5.774136E+14	2.095774E+12	5.286841E+14	4.784823E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	11	4.4982E+07	2.500298E+12	5.757635E+14	2.430503E+12	5.281685E+14	5.549032E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	0	4.4982E+07	3.632325E+12	5.743166E+14	2.775585E+12	5.278672E+14	6.336875E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	1	4.4982E+07	5.215613E+12	5.728596E+14	3.11884E+12	5.275513E+14	7.120549E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	2	4.4982E+07	7.3728E+12	5.715153E+14	3.438446E+12	5.272684E+14	7.850231E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	3	4.4982E+07	1.024462E+13	5.67445E+14	3.760939E+12	5.245269E+14	8.586504E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	4	4.4982E+07	1.399406E+13	5.58253E+14	4.030363E+12	5.169951E+14	9.201614E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	5	4.4982E+07	4.895095E+11	5.523628E+14	3.593456E+11	5.163099E+14	8.204481E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	6	4.4982E+07	5.450903E+11	5.504336E+14	7.046277E+11	5.155189E+14	1.608749E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	7	4.4982E+07	6.564818E+11	5.48495E+14	1.058971E+12	5.147456E+14	2.417738E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	8	4.4982E+07	8.569078E+11	5.466886E+14	1.411131E+12	5.140892E+14	3.221742E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	9	4.4982E+07	1.190661E+12	5.449342E+14	1.749671E+12	5.134416E+14	3.99465E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	10	4.4982E+07	1.714086E+12	5.427593E+14	2.095774E+12	5.124238E+14	4.784826E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	11	4.4982E+07	2.498607E+12	5.412083E+14	2.430503E+12	5.119548E+14	5.549035E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	0	4.4982E+07	3.630638E+12	5.398483E+14	2.775585E+12	5.116941E+14	6.336878E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	1	4.4982E+07	5.21393E+12	5.384789E+14	3.11884E+12	5.114194E+14	7.120552E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	2	4.4982E+07	7.371147E+12	5.372588E+14	3.42745E+12	5.111828E+14	7.825129E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	3	4.4982E+07	1.024298E+13	5.334324E+14	3.750048E+12	5.085557E+14	8.561641E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	4	4.4982E+07	1.399244E+13	5.247907E+14	4.019669E+12	5.012821E+14	9.177203E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	5	4.4982E+07	4.877729E+11	5.190235E+14	3.593456E+11	5.006496E+14	8.204517E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	6	4.4982E+07	5.433599E+11	5.172109E+14	7.046277E+11	4.999134E+14	1.608753E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	7	4.4982E+07	6.547574E+11	5.153895E+14	1.058971E+12	4.991951E+14	2.417741E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	8	4.4982E+07	8.551892E+11	5.136922E+14	1.411131E+12	4.9859E+14	3.221745E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	9	4.4982E+07	1.188948E+12	5.120438E+14	1.749671E+12	4.979921E+14	3.994653E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	10	4.4982E+07	1.712379E+12	5.100002E+14	2.095774E+12	4.97036E+14	4.78483E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	11	4.4982E+07	2.496905E+12	5.08543E+14	2.430503E+12	4.96611E+14	5.549039E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	0	4.4982E+07	3.628941E+12	5.072652E+14	2.775585E+12	4.96389E+14	6.336882E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	1	4.4982E+07	5.212237E+12	5.059786E+14	3.11884E+12	4.961532E+14	7.120556E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	2	4.4982E+07	7.369458E+12	5.048322E+14	3.42745E+12	4.959512E+14	7.825133E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	3	4.4982E+07	1.02413E+13	5.012368E+14	3.750048E+12	4.934326E+14	8.561645E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	4	4.4982E+07	1.399079E+13	4.931168E+14	4.019669E+12	4.864041E+14	9.177207E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	5	4.4982E+07	4.860226E+11	4.87456E+14	3.593456E+11	4.858216E+14	8.204558E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	6	4.4982E+07	5.416157E+11	4.857537E+14	7.046277E+11	4.851372E+14	1.608757E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	7	4.4982E+07	6.530193E+11	4.840431E+14	1.058971E+12	4.84471E+14	2.417746E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	8	4.4982E+07	8.534568E+11	4.824492E+14	1.411131E+12	4.839144E+14	3.221749E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	9	4.4982E+07	1.187222E+12	4.809011E+14	1.749671E+12	4.833637E+14	3.994657E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	10	4.4982E+07	1.710659E+12	4.78982E+14	2.095774E+12	4.82466E+14	4.784834E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	11	4.4982E+07	2.49519E+12	4.776135E+14	2.430503E+12	4.820827E+14	5.549043E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	0	4.4982E+07	3.62723E+12	4.764135E+14	2.775585E+12	4.818973E+14	6.336886E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	1	4.4982E+07	5.210531E+12	4.752052E+14	3.11884E+12	4.816982E+14	7.12056E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	2	4.4982E+07	7.367755E+12	4.741287E+14	3.42745E+12	4.81529E+14	7.825137E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2015	3	4.4982E+07	1.023961E+13	4.70752E+14	3.750048E+12	4.791132E+14	8.561649E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	4	4.4982E+07	1.398913E+13	4.63126E+14	4.019669E+12	4.723167E+14	9.17721E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	5	4.4982E+07	4.842575E+11	4.57566E+14	3.593456E+11	4.717815E+14	8.204602E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	6	4.4982E+07	5.398567E+11	4.559682E+14	7.046277E+11	4.711462E+14	1.608761E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	7	4.4982E+07	6.512666E+11	4.543626E+14	1.058971E+12	4.705293E+14	2.41775E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	8	4.4982E+07	8.517099E+11	4.528665E+14	1.411131E+12	4.700187E+14	3.221753E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	9	4.4982E+07	1.18548E+12	4.514135E+14	1.749671E+12	4.695126E+14	3.994662E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	10	4.4982E+07	1.708925E+12	4.496121E+14	2.095774E+12	4.686703E+14	4.784838E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	11	4.4982E+07	2.493461E+12	4.483276E+14	2.430503E+12	4.683265E+14	5.549048E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	0	4.4982E+07	3.625505E+12	4.472014E+14	2.775585E+12	4.681756E+14	6.336891E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	1	4.4982E+07	5.20881E+12	4.460673E+14	3.11884E+12	4.680114E+14	7.120564E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	2	4.4982E+07	7.366013E+12	4.450208E+14	3.438446E+12	4.678683E+14	7.850246E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	3	4.4982E+07	1.023788E+13	4.418518E+14	3.760939E+12	4.655501E+14	8.58652E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	4	4.4982E+07	1.398743E+13	4.346946E+14	4.030363E+12	4.589738E+14	9.201629E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	5	4.4982E+07	4.824736E+11	4.292194E+14	3.593456E+11	4.584834E+14	8.204651E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	6	4.4982E+07	5.380791E+11	4.277207E+14	7.046277E+11	4.578946E+14	1.608766E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	7	4.4982E+07	6.494952E+11	4.262147E+14	1.058971E+12	4.573245E+14	2.417755E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	8	4.4982E+07	8.499444E+11	4.248114E+14	1.411131E+12	4.568573E+14	3.221758E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	9	4.4982E+07	1.18372E+12	4.234485E+14	1.749671E+12	4.563936E+14	3.994666E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	10	4.4982E+07	1.707172E+12	4.217588E+14	2.095774E+12	4.556036E+14	4.784843E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	11	4.4982E+07	2.491713E+12	4.20554E+14	2.430503E+12	4.552972E+14	5.549052E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	0	4.4982E+07	3.623762E+12	4.194976E+14	2.775585E+12	4.551791E+14	6.336895E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	1	4.4982E+07	5.207071E+12	4.184339E+14	3.11884E+12	4.550479E+14	7.120569E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	2	4.4982E+07	7.364303E+12	4.174861E+14	3.42745E+12	4.549391E+14	7.825146E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	3	4.4982E+07	1.023618E+13	4.145131E+14	3.750048E+12	4.527128E+14	8.561657E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	4	4.4982E+07	1.398576E+13	4.077983E+14	4.019669E+12	4.463441E+14	9.177219E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	5	4.4982E+07	4.806755E+11	4.024241E+14	3.593456E+11	4.458961E+14	8.204703E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	6	4.4982E+07	5.362873E+11	4.010191E+14	7.046277E+11	4.453513E+14	1.608771E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	7	4.4982E+07	6.477097E+11	3.996072E+14	1.058971E+12	4.448254E+14	2.41776E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	8	4.4982E+07	8.481647E+11	3.982916E+14	1.411131E+12	4.443995E+14	3.221764E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	9	4.4982E+07	1.181946E+12	3.970139E+14	1.749671E+12	4.439757E+14	3.994671E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	10	4.4982E+07	1.705405E+12	3.954298E+14	2.095774E+12	4.432354E+14	4.784848E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	11	4.4982E+07	2.489951E+12	3.943003E+14	2.430503E+12	4.429643E+14	5.549057E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	0	4.4982E+07	3.622004E+12	3.9331E+14	2.775585E+12	4.428773E+14	6.3369E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	1	4.4982E+07	5.205318E+12	3.923127E+14	3.11884E+12	4.427773E+14	7.120574E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	2	4.4982E+07	7.362555E+12	3.914242E+14	3.42745E+12	4.426964E+14	7.825151E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	3	4.4982E+07	1.023445E+13	3.886369E+14	3.750048E+12	4.405573E+14	8.561662E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	4	4.4982E+07	1.398405E+13	3.823414E+14	4.019669E+12	4.343855E+14	9.177224E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	5	4.4982E+07	4.78859E+11	3.770527E+14	3.593456E+11	4.339778E+14	8.204764E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	6	4.4982E+07	5.344771E+11	3.757364E+14	7.046277E+11	4.334746E+14	1.608778E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	7	4.4982E+07	6.45906E+11	3.744136E+14	1.058971E+12	4.329905E+14	2.417766E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	8	4.4982E+07	8.463669E+11	3.731811E+14	1.411131E+12	4.326036E+14	3.221769E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	9	4.4982E+07	1.180154E+12	3.71984E+14	1.749671E+12	4.322178E+14	3.994678E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	10	4.4982E+07	1.70362E+12	3.705E+14	2.095774E+12	4.315244E+14	4.784854E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	11	4.4982E+07	2.488172E+12	3.694417E+14	2.430503E+12	4.312868E+14	5.549064E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	0	4.4982E+07	3.620229E+12	3.68514E+14	2.775585E+12	4.312291E+14	6.336907E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	1	4.4982E+07	5.203548E+12	3.675797E+14	3.11884E+12	4.311588E+14	7.12058E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	2	4.4982E+07	7.360788E+12	3.667473E+14	3.42745E+12	4.311042E+14	7.825158E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	3	4.4982E+07	1.023269E+13	3.641359E+14	3.750048E+12	4.290477E+14	8.561668E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	4	4.4982E+07	1.398232E+13	3.582373E+14	4.019669E+12	4.230624E+14	9.17723E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	5	4.4982E+07	4.770227E+11	3.530296E+14	3.593456E+11	4.226927E+14	8.20483E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	6	4.4982E+07	5.326472E+11	3.517972E+14	7.046277E+11	4.22229E+14	1.608784E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	7	4.4982E+07	6.440825E+11	3.505589E+14	1.058971E+12	4.217845E+14	2.417772E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	8	4.4982E+07	8.445495E+11	3.49405E+14	1.411131E+12	4.214346E+14	3.221776E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	9	4.4982E+07	1.178343E+12	3.482843E+14	1.749671E+12	4.210846E+14	3.994684E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	10	4.4982E+07	1.701816E+12	3.468948E+14	2.095774E+12	4.204357E+14	4.784861E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	11	4.4982E+07	2.486372E+12	3.459042E+14	2.430503E+12	4.202299E+14	5.54907E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	0	4.4982E+07	3.618434E+12	3.450356E+14	2.775585E+12	4.202E+14	6.336913E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2020	1	4.4982E+07	5.201757E+12	3.44161E+14	3.11884E+12	4.201577E+14	7.120587E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	2	4.4982E+07	7.358977E+12	3.433539E+14	3.438446E+12	4.20127E+14	7.850268E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	3	4.4982E+07	1.02309E+13	3.409093E+14	3.760939E+12	4.181489E+14	8.586541E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	4	4.4982E+07	1.398056E+13	3.353876E+14	4.030363E+12	4.123407E+14	9.201651E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	5	4.4982E+07	4.751618E+11	3.30246E+14	3.593456E+11	4.120069E+14	8.204904E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	6	4.4982E+07	5.307928E+11	3.290932E+14	7.046277E+11	4.115806E+14	1.608791E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	7	4.4982E+07	6.422346E+11	3.279349E+14	1.058971E+12	4.111737E+14	2.41778E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	8	4.4982E+07	8.427076E+11	3.268556E+14	1.411131E+12	4.108587E+14	3.221784E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	9	4.4982E+07	1.176507E+12	3.258073E+14	1.749671E+12	4.105427E+14	3.994691E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	10	4.4982E+07	1.699988E+12	3.245077E+14	2.095774E+12	4.099359E+14	4.784868E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	11	4.4982E+07	2.484549E+12	3.235811E+14	2.430503E+12	4.097601E+14	5.549077E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	0	4.4982E+07	3.616616E+12	3.227686E+14	2.775585E+12	4.097566E+14	6.33692E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	1	4.4982E+07	5.199943E+12	3.219506E+14	3.11884E+12	4.097408E+14	7.120594E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	2	4.4982E+07	7.357192E+12	3.212217E+14	3.42745E+12	4.097348E+14	7.825171E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	3	4.4982E+07	1.022912E+13	3.189346E+14	3.750048E+12	4.078306E+14	8.561682E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	4	4.4982E+07	1.397881E+13	3.137685E+14	4.019669E+12	4.02189E+14	9.177243E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	5	4.4982E+07	4.732808E+11	3.087101E+14	3.593456E+11	4.018894E+14	8.204986E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	6	4.4982E+07	5.289184E+11	3.076327E+14	7.046277E+11	4.014984E+14	1.6088E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	7	4.4982E+07	6.403668E+11	3.0655E+14	1.058971E+12	4.011271E+14	2.417788E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	8	4.4982E+07	8.40846E+11	3.055412E+14	1.411131E+12	4.008452E+14	3.221791E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	9	4.4982E+07	1.174651E+12	3.045614E+14	1.749671E+12	4.005614E+14	3.9947E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	10	4.4982E+07	1.698139E+12	3.033466E+14	2.095774E+12	3.999944E+14	4.784876E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	11	4.4982E+07	2.482706E+12	3.024805E+14	2.430503E+12	3.998471E+14	5.549085E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	0	4.4982E+07	3.614777E+12	3.017212E+14	2.775585E+12	3.998685E+14	6.336928E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	1	4.4982E+07	5.19811E+12	3.009566E+14	3.11884E+12	3.998778E+14	7.120602E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	2	4.4982E+07	7.355362E+12	3.002754E+14	3.42745E+12	3.998942E+14	7.825179E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	3	4.4982E+07	1.022731E+13	2.981375E+14	3.750048E+12	3.980601E+14	8.56169E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	4	4.4982E+07	1.397703E+13	2.933084E+14	4.019669E+12	3.925769E+14	9.177251E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	5	4.4982E+07	4.713746E+11	2.883187E+14	3.593456E+11	3.923096E+14	8.205078E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	6	4.4982E+07	5.270189E+11	2.873126E+14	7.046277E+11	3.919521E+14	1.608809E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	7	4.4982E+07	6.38474E+11	2.863015E+14	1.058971E+12	3.916143E+14	2.417797E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	8	4.4982E+07	8.389595E+11	2.853595E+14	1.411131E+12	3.913639E+14	3.221801E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	9	4.4982E+07	1.172771E+12	2.844445E+14	1.749671E+12	3.911105E+14	3.994709E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	10	4.4982E+07	1.696266E+12	2.833101E+14	2.095774E+12	3.905813E+14	4.784885E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	11	4.4982E+07	2.480839E+12	2.825013E+14	2.430503E+12	3.904608E+14	5.549094E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	0	4.4982E+07	3.612914E+12	2.817922E+14	2.775585E+12	3.905059E+14	6.336937E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	1	4.4982E+07	5.196251E+12	2.810783E+14	3.11884E+12	3.90539E+14	7.120611E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	2	4.4982E+07	7.353508E+12	2.804421E+14	3.42745E+12	3.905766E+14	7.825188E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	3	4.4982E+07	1.022547E+13	2.784456E+14	3.750048E+12	3.888089E+14	8.561699E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	4	4.4982E+07	1.397521E+13	2.739355E+14	4.019669E+12	3.834756E+14	9.17726E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	5	4.4982E+07	4.694412E+11	2.690109E+14	3.593456E+11	3.832388E+14	8.20518E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	6	4.4982E+07	5.250922E+11	2.680723E+14	7.046277E+11	3.82913E+14	1.608819E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	7	4.4982E+07	6.365541E+11	2.67129E+14	1.058971E+12	3.826072E+14	2.417807E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	8	4.4982E+07	8.370458E+11	2.662502E+14	1.411131E+12	3.823864E+14	3.221811E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	9	4.4982E+07	1.170863E+12	2.653966E+14	1.749671E+12	3.821618E+14	3.994718E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	10	4.4982E+07	1.694366E+12	2.643383E+14	2.095774E+12	3.816683E+14	4.784895E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2023	11	4.4982E+07	2.478944E+12	2.635838E+14	2.430503E+12	3.815734E+14	5.549104E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	0	4.4982E+07	3.611025E+12	2.629223E+14	2.775585E+12	3.816409E+14	6.336947E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	1	4.4982E+07	5.194367E+12	2.622563E+14	3.11884E+12	3.816964E+14	7.12062E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	2	4.4982E+07	7.351604E+12	2.616417E+14	3.438446E+12	3.817562E+14	7.850302E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	3	4.4982E+07	1.022358E+13	2.597793E+14	3.760939E+12	3.800514E+14	8.586575E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	4	4.4982E+07	1.397335E+13	2.55572E+14	4.030363E+12	3.748604E+14	9.201684E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	5	4.4982E+07	4.674746E+11	2.506984E+14	3.593456E+11	3.746525E+14	8.205296E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	6	4.4982E+07	5.231325E+11	2.498238E+14	7.046277E+11	3.743568E+14	1.608831E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	7	4.4982E+07	6.346013E+11	2.489449E+14	1.058971E+12	3.740811E+14	2.417819E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	8	4.4982E+07	8.350996E+11	2.481259E+14	1.411131E+12	3.738884E+14	3.221822E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	9	4.4982E+07	1.168923E+12	2.473306E+14	1.749671E+12	3.736911E+14	3.99473E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2024	10	4.4982E+07	1.692434E+12	2.463444E+14	2.095774E+12	3.732316E+14	4.784907E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2024	11	4.4982E+07	2.477017E+12	2.456414E+14	2.430503E+12	3.731607E+14	5.549115E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	0	4.4982E+07	3.609103E+12	2.450251E+14	2.775585E+12	3.732493E+14	6.336958E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	1	4.4982E+07	5.19245E+12	2.444045E+14	3.11884E+12	3.733262E+14	7.120632E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	2	4.4982E+07	7.349716E+12	2.438515E+14	3.42745E+12	3.734029E+14	7.825209E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	3	4.4982E+07	1.02217E+13	2.421157E+14	3.750048E+12	3.717575E+14	8.561719E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	4	4.4982E+07	1.397151E+13	2.381943E+14	4.019669E+12	3.667005E+14	9.17728E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	5	4.4982E+07	4.654791E+11	2.333898E+14	3.593456E+11	3.665201E+14	8.205426E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	6	4.4982E+07	5.211439E+11	2.325757E+14	7.046277E+11	3.662527E+14	1.608843E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	7	4.4982E+07	6.326198E+11	2.317576E+14	1.058971E+12	3.660056E+14	2.417832E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	8	4.4982E+07	8.331246E+11	2.309953E+14	1.411131E+12	3.658396E+14	3.221835E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	9	4.4982E+07	1.166954E+12	2.30255E+14	1.749671E+12	3.656681E+14	3.994743E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	10	4.4982E+07	1.690473E+12	2.29337E+14	2.095774E+12	3.652406E+14	4.784919E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2025	11	4.4982E+07	2.475062E+12	2.286826E+14	2.430503E+12	3.651926E+14	5.549128E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	0	4.4982E+07	3.607152E+12	2.28109E+14	2.775585E+12	3.653013E+14	6.336971E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	1	4.4982E+07	5.190504E+12	2.275314E+14	3.11884E+12	3.653984E+14	7.120644E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	2	4.4982E+07	7.347775E+12	2.270167E+14	3.42745E+12	3.65493E+14	7.825222E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	3	4.4982E+07	1.021977E+13	2.254009E+14	3.750048E+12	3.63904E+14	8.561732E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	4	4.4982E+07	1.396961E+13	2.217503E+14	4.019669E+12	3.589742E+14	9.177292E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	5	4.4982E+07	4.634482E+11	2.17001E+14	3.593456E+11	3.588198E+14	8.205573E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	6	4.4982E+07	5.191201E+11	2.162442E+14	7.046277E+11	3.585793E+14	1.608858E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	7	4.4982E+07	6.306031E+11	2.154836E+14	1.058971E+12	3.583593E+14	2.417846E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	8	4.4982E+07	8.311146E+11	2.14775E+14	1.411131E+12	3.582184E+14	3.221849E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	9	4.4982E+07	1.164951E+12	2.140868E+14	1.749671E+12	3.580715E+14	3.994757E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	10	4.4982E+07	1.688478E+12	2.132334E+14	2.095774E+12	3.576742E+14	4.784933E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2026	11	4.4982E+07	2.473072E+12	2.126251E+14	2.430503E+12	3.576479E+14	5.549142E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	0	4.4982E+07	3.605167E+12	2.120918E+14	2.775585E+12	3.577756E+14	6.336985E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	1	4.4982E+07	5.188524E+12	2.115549E+14	3.11884E+12	3.578918E+14	7.120659E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	2	4.4982E+07	7.345799E+12	2.110765E+14	3.42745E+12	3.580034E+14	7.825236E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	3	4.4982E+07	1.021781E+13	2.095742E+14	3.750048E+12	3.564678E+14	8.561746E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	4	4.4982E+07	1.396768E+13	2.061801E+14	4.019669E+12	3.516585E+14	9.177306E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	5	4.4982E+07	4.613785E+11	2.014831E+14	3.593456E+11	3.515286E+14	8.205738E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	6	4.4982E+07	5.170577E+11	2.007805E+14	7.046277E+11	3.513137E+14	1.608875E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	7	4.4982E+07	6.28548E+11	2.000745E+14	1.058971E+12	3.511192E+14	2.417863E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	8	4.4982E+07	8.290662E+11	1.994166E+14	1.411131E+12	3.510023E+14	3.221866E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	9	4.4982E+07	1.162909E+12	1.987777E+14	1.749671E+12	3.508785E+14	3.994774E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	10	4.4982E+07	1.686444E+12	1.979855E+14	2.095774E+12	3.5051E+14	4.78495E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	11	4.4982E+07	2.471044E+12	1.974208E+14	2.430503E+12	3.505042E+14	5.549159E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	0	4.4982E+07	3.603145E+12	1.969258E+14	2.775585E+12	3.506498E+14	6.337002E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	1	4.4982E+07	5.186507E+12	1.964274E+14	3.11884E+12	3.507841E+14	7.120675E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	2	4.4982E+07	7.343762E+12	1.959675E+14	3.438446E+12	3.509165E+14	7.850357E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	3	4.4982E+07	1.021579E+13	1.94573E+14	3.760939E+12	3.494315E+14	8.586629E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	4	4.4982E+07	1.396569E+13	1.914221E+14	4.030363E+12	3.447366E+14	9.201737E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	5	4.4982E+07	4.592625E+11	1.867641E+14	3.593456E+11	3.446299E+14	8.205927E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	6	4.4982E+07	5.149491E+11	1.861129E+14	7.046277E+11	3.444391E+14	1.608893E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	7	4.4982E+07	6.264468E+11	1.854586E+14	1.058971E+12	3.442689E+14	2.417881E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	8	4.4982E+07	8.269719E+11	1.84849E+14	1.411131E+12	3.441745E+14	3.221885E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	9	4.4982E+07	1.160822E+12	1.842569E+14	1.749671E+12	3.440726E+14	3.994792E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	10	4.4982E+07	1.684365E+12	1.835227E+14	2.095774E+12	3.437314E+14	4.784969E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	11	4.4982E+07	2.468971E+12	1.829993E+14	2.430503E+12	3.437449E+14	5.549178E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	0	4.4982E+07	3.601077E+12	1.825406E+14	2.775585E+12	3.439076E+14	6.337021E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	1	4.4982E+07	5.184444E+12	1.820787E+14	3.11884E+12	3.44059E+14	7.120693E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	2	4.4982E+07	7.341728E+12	1.816672E+14	3.42745E+12	3.44202E+14	7.82527E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	3	4.4982E+07	1.021377E+13	1.803745E+14	3.750048E+12	3.427647E+14	8.561781E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	4	4.4982E+07	1.396371E+13	1.774535E+14	4.019669E+12	3.381775E+14	9.17734E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	5	4.4982E+07	4.571034E+11	1.72853E+14	3.593456E+11	3.380929E+14	8.206142E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	6	4.4982E+07	5.127975E+11	1.722505E+14	7.046277E+11	3.379249E+14	1.608915E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	7	4.4982E+07	6.243028E+11	1.71645E+14	1.058971E+12	3.377776E+14	2.417903E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	8	4.4982E+07	8.248349E+11	1.710809E+14	1.411131E+12	3.377047E+14	3.221906E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2029	9	4.4982E+07	1.158692E+12	1.705331E+14	1.749671E+12	3.376236E+14	3.994814E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	10	4.4982E+07	1.682243E+12	1.698536E+14	2.095774E+12	3.37308E+14	4.78499E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	11	4.4982E+07	2.466856E+12	1.693694E+14	2.430503E+12	3.3734E+14	5.549199E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	0	4.4982E+07	3.598967E+12	1.68945E+14	2.775585E+12	3.375187E+14	6.337042E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	1	4.4982E+07	5.182339E+12	1.685177E+14	3.11884E+12	3.376864E+14	7.120714E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	2	4.4982E+07	7.339628E+12	1.681369E+14	3.42745E+12	3.378439E+14	7.825291E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	3	4.4982E+07	1.021168E+13	1.669406E+14	3.750048E+12	3.364519E+14	8.561801E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	4	4.4982E+07	1.396166E+13	1.642372E+14	4.019669E+12	3.319669E+14	9.177361E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	5	4.4982E+07	4.548924E+11	1.596811E+14	3.593456E+11	3.319032E+14	8.206388E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	6	4.4982E+07	5.105943E+11	1.591247E+14	7.046277E+11	3.317569E+14	1.608939E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	7	4.4982E+07	6.221074E+11	1.585655E+14	1.058971E+12	3.316314E+14	2.417927E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	8	4.4982E+07	8.226468E+11	1.580445E+14	1.411131E+12	3.315786E+14	3.22193E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	9	4.4982E+07	1.15651E+12	1.575385E+14	1.749671E+12	3.315173E+14	3.994838E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	10	4.4982E+07	1.680071E+12	1.56911E+14	2.095774E+12	3.312261E+14	4.785014E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	11	4.4982E+07	2.464689E+12	1.564638E+14	2.430503E+12	3.312755E+14	5.549222E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	0	4.4982E+07	3.596806E+12	1.560719E+14	2.775585E+12	3.314694E+14	6.337065E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	1	4.4982E+07	5.180184E+12	1.556772E+14	3.11884E+12	3.316525E+14	7.120738E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	2	4.4982E+07	7.337478E+12	1.553256E+14	3.42745E+12	3.318236E+14	7.825315E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	3	4.4982E+07	1.020955E+13	1.542205E+14	3.750048E+12	3.304745E+14	8.561825E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	4	4.4982E+07	1.395955E+13	1.517233E+14	4.019669E+12	3.260864E+14	9.177384E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	5	4.4982E+07	4.52624E+11	1.472092E+14	3.593456E+11	3.260424E+14	8.206673E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	6	4.4982E+07	5.083338E+11	1.466964E+14	7.046277E+11	3.259166E+14	1.608968E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	7	4.4982E+07	6.198548E+11	1.46181E+14	1.058971E+12	3.258117E+14	2.417955E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	8	4.4982E+07	8.204017E+11	1.457009E+14	1.411131E+12	3.257781E+14	3.221958E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	9	4.4982E+07	1.154272E+12	1.452345E+14	1.749671E+12	3.257354E+14	3.994866E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	10	4.4982E+07	1.677842E+12	1.446561E+14	2.095774E+12	3.254673E+14	4.785042E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	11	4.4982E+07	2.462467E+12	1.44244E+14	2.430503E+12	3.255332E+14	5.54925E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	0	4.4982E+07	3.594589E+12	1.438828E+14	2.775585E+12	3.257416E+14	6.337093E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	1	4.4982E+07	5.177973E+12	1.435191E+14	3.11884E+12	3.259392E+14	7.120766E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	2	4.4982E+07	7.335248E+12	1.431835E+14	3.438446E+12	3.261299E+14	7.850447E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	3	4.4982E+07	1.020734E+13	1.421651E+14	3.760939E+12	3.248215E+14	8.586719E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	4	4.4982E+07	1.395738E+13	1.398633E+14	4.030363E+12	3.205253E+14	9.201826E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	5	4.4982E+07	4.50287E+11	1.353785E+14	3.593456E+11	3.205E+14	8.207002E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	6	4.4982E+07	5.06005E+11	1.34907E+14	7.046277E+11	3.203935E+14	1.609001E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	7	4.4982E+07	6.175342E+11	1.344332E+14	1.058971E+12	3.203081E+14	2.417988E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	8	4.4982E+07	8.180886E+11	1.339917E+14	1.411131E+12	3.202927E+14	3.221991E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	9	4.4982E+07	1.151967E+12	1.33563E+14	1.749671E+12	3.202675E+14	3.994898E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	10	4.4982E+07	1.675546E+12	1.330313E+14	2.095774E+12	3.200213E+14	4.785074E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	11	4.4982E+07	2.460177E+12	1.326524E+14	2.430503E+12	3.201027E+14	5.549282E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	0	4.4982E+07	3.592305E+12	1.323204E+14	2.775585E+12	3.203248E+14	6.337125E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	1	4.4982E+07	5.175695E+12	1.31986E+14	3.11884E+12	3.205361E+14	7.120798E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	2	4.4982E+07	7.332998E+12	1.316881E+14	3.42745E+12	3.207326E+14	7.825375E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	3	4.4982E+07	1.02051E+13	1.307515E+14	3.750048E+12	3.194625E+14	8.561885E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	4	4.4982E+07	1.395518E+13	1.286346E+14	4.019669E+12	3.152528E+14	9.177442E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	5	4.4982E+07	4.478826E+11	1.241981E+14	3.593456E+11	3.152452E+14	8.207384E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	6	4.4982E+07	5.03609E+11	1.237656E+14	7.046277E+11	3.151571E+14	1.609039E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	7	4.4982E+07	6.151466E+11	1.233311E+14	1.058971E+12	3.150901E+14	2.418026E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	8	4.4982E+07	8.15709E+11	1.229263E+14	1.411131E+12	3.150919E+14	3.222029E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	9	4.4982E+07	1.149595E+12	1.225331E+14	1.749671E+12	3.150835E+14	3.994936E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	10	4.4982E+07	1.673183E+12	1.220454E+14	2.095774E+12	3.14858E+14	4.785112E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	11	4.4982E+07	2.457821E+12	1.216979E+14	2.430503E+12	3.149541E+14	5.54932E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	0	4.4982E+07	3.589955E+12	1.213935E+14	2.775585E+12	3.151892E+14	6.337163E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	1	4.4982E+07	5.17335E+12	1.210869E+14	3.11884E+12	3.154136E+14	7.120836E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	2	4.4982E+07	7.33066E+12	1.208137E+14	3.42745E+12	3.156216E+14	7.825413E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	3	4.4982E+07	1.020278E+13	1.199546E+14	3.750048E+12	3.14388E+14	8.561921E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	4	4.4982E+07	1.39529E+13	1.180126E+14	4.019669E+12	3.102605E+14	9.177479E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	5	4.4982E+07	4.453975E+11	1.136118E+14	3.593456E+11	3.102697E+14	8.207832E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	6	4.4982E+07	5.011326E+11	1.132164E+14	7.046277E+11	3.10199E+14	1.609083E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2034	7	4.4982E+07	6.12679E+11	1.12819E+14	1.058971E+12	3.101495E+14	2.41807E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	8	4.4982E+07	8.132495E+11	1.124488E+14	1.411131E+12	3.101675E+14	3.222073E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	9	4.4982E+07	1.147143E+12	1.120893E+14	1.749671E+12	3.10175E+14	3.99498E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	10	4.4982E+07	1.670741E+12	1.116433E+14	2.095774E+12	3.09969E+14	4.785155E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	11	4.4982E+07	2.455386E+12	1.113256E+14	2.430503E+12	3.100792E+14	5.549364E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	0	4.4982E+07	3.587526E+12	1.110473E+14	2.775585E+12	3.103265E+14	6.337206E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	1	4.4982E+07	5.170928E+12	1.10767E+14	3.11884E+12	3.105632E+14	7.120879E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	2	4.4982E+07	7.328242E+12	1.105172E+14	3.42745E+12	3.107823E+14	7.825455E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	3	4.4982E+07	1.020038E+13	1.097315E+14	3.750048E+12	3.095831E+14	8.561964E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	4	4.4982E+07	1.395053E+13	1.079551E+14	4.019669E+12	3.055335E+14	9.177521E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	5	4.4982E+07	4.428211E+11	1.035881E+14	3.593456E+11	3.055585E+14	8.208362E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	6	4.4982E+07	4.985651E+11	1.032277E+14	7.046277E+11	3.055043E+14	1.609136E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	7	4.4982E+07	6.101206E+11	1.028655E+14	1.058971E+12	3.054713E+14	2.418123E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	8	4.4982E+07	8.106995E+11	1.025282E+14	1.411131E+12	3.055048E+14	3.222126E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	9	4.4982E+07	1.144601E+12	1.022005E+14	1.749671E+12	3.055272E+14	3.995033E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	10	4.4982E+07	1.66821E+12	1.01794E+14	2.095774E+12	3.053399E+14	4.785208E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	11	4.4982E+07	2.452862E+12	1.015045E+14	2.430503E+12	3.054633E+14	5.549416E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	0	4.4982E+07	3.585008E+12	1.012509E+14	2.775585E+12	3.057222E+14	6.337258E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	1	4.4982E+07	5.168416E+12	1.009954E+14	3.11884E+12	3.059707E+14	7.120931E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	2	4.4982E+07	7.325714E+12	1.007598E+14	3.438446E+12	3.062083E+14	7.850612E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	3	4.4982E+07	1.019787E+13	1.000436E+14	3.760939E+12	3.050418E+14	8.586883E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	4	4.4982E+07	1.394807E+13	9.842431E+13	4.030363E+12	3.010661E+14	9.201986E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	5	4.4982E+07	4.401351E+11	9.407864E+13	3.593456E+11	3.011061E+14	8.208994E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	6	4.4982E+07	4.958885E+11	9.375149E+13	7.046277E+11	3.010674E+14	1.609199E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	7	4.4982E+07	6.074534E+11	9.342276E+13	1.058971E+12	3.010501E+14	2.418186E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	8	4.4982E+07	8.080412E+11	9.311654E+13	1.411131E+12	3.010982E+14	3.222188E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	9	4.4982E+07	1.141952E+12	9.281912E+13	1.749671E+12	3.011347E+14	3.995095E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	10	4.4982E+07	1.66557E+12	9.245011E+13	2.095774E+12	3.009649E+14	4.78527E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	11	4.4982E+07	2.45023E+12	9.218732E+13	2.430503E+12	3.011009E+14	5.549478E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	0	4.4982E+07	3.582383E+12	9.19571E+13	2.775585E+12	3.013708E+14	6.337319E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	1	4.4982E+07	5.165798E+12	9.172528E+13	3.11884E+12	3.016302E+14	7.120992E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	2	4.4982E+07	7.323124E+12	9.151873E+13	3.42745E+12	3.018695E+14	7.825569E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	3	4.4982E+07	1.01953E+13	9.086834E+13	3.750048E+12	3.007339E+14	8.562077E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	4	4.4982E+07	1.394553E+13	8.939761E+13	4.019669E+12	2.968276E+14	9.177631E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	5	4.4982E+07	4.373348E+11	8.509293E+13	3.593456E+11	2.968819E+14	8.209753E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	6	4.4982E+07	4.930981E+11	8.479718E+13	7.046277E+11	2.96858E+14	1.609274E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	7	4.4982E+07	6.046728E+11	8.450003E+13	1.058971E+12	2.968555E+14	2.418261E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	8	4.4982E+07	8.052697E+11	8.422321E+13	1.411131E+12	2.969174E+14	3.222263E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	9	4.4982E+07	1.139189E+12	8.395436E+13	1.749671E+12	2.969674E+14	3.995169E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	10	4.4982E+07	1.662819E+12	8.362076E+13	2.095774E+12	2.968143E+14	4.785344E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	11	4.4982E+07	2.447486E+12	8.338322E+13	2.430503E+12	2.969621E+14	5.549552E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	0	4.4982E+07	3.579647E+12	8.317516E+13	2.775585E+12	2.972424E+14	6.337393E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	1	4.4982E+07	5.163068E+12	8.296564E+13	3.11884E+12	2.975123E+14	7.121066E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	2	4.4982E+07	7.320401E+12	8.277897E+13	3.42745E+12	2.97761E+14	7.825642E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	3	4.4982E+07	1.019259E+13	8.219085E+13	3.750048E+12	2.966546E+14	8.56215E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	4	4.4982E+07	1.394287E+13	8.086073E+13	4.019669E+12	2.928145E+14	9.177703E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	5	4.4982E+07	4.343963E+11	7.658472E+13	3.593456E+11	2.928822E+14	8.210675E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	6	4.4982E+07	4.901699E+11	7.631872E+13	7.046277E+11	2.928723E+14	1.609367E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	7	4.4982E+07	6.017549E+11	7.605145E+13	1.058971E+12	2.928839E+14	2.418353E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	8	4.4982E+07	8.023614E+11	7.580248E+13	1.411131E+12	2.929589E+14	3.222355E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	9	4.4982E+07	1.13629E+12	7.556068E+13	1.749671E+12	2.930216E+14	3.995261E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	10	4.4982E+07	1.659931E+12	7.52606E+13	2.095774E+12	2.928842E+14	4.785435E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	11	4.4982E+07	2.444608E+12	7.5047E+13	2.430503E+12	2.930432E+14	5.549643E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	0	4.4982E+07	3.576775E+12	7.48599E+13	2.775585E+12	2.933334E+14	6.337485E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	1	4.4982E+07	5.160203E+12	7.46715E+13	3.11884E+12	2.936133E+14	7.121156E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	2	4.4982E+07	7.317542E+12	7.450364E+13	3.42745E+12	2.938708E+14	7.825732E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	3	4.4982E+07	1.018976E+13	7.397449E+13	3.750048E+12	2.927921E+14	8.562239E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	4	4.4982E+07	1.394008E+13	7.27775E+13	4.019669E+12	2.890146E+14	9.177792E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2039	5	4.4982E+07	4.31296E+11	6.852864E+13	3.593456E+11	2.890951E+14	8.211812E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	6	4.4982E+07	4.870603E+11	6.829079E+13	7.046277E+11	2.890984E+14	1.60948E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	7	4.4982E+07	5.986763E+11	6.805181E+13	1.058971E+12	2.891233E+14	2.418466E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	8	4.4982E+07	7.992929E+11	6.782922E+13	1.411131E+12	2.892106E+14	3.222467E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	9	4.4982E+07	1.133231E+12	6.761303E+13	1.749671E+12	2.892854E+14	3.995373E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	10	4.4982E+07	1.656885E+12	6.734469E+13	2.095774E+12	2.891629E+14	4.785547E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	11	4.4982E+07	2.44157E+12	6.715372E+13	2.430503E+12	2.893326E+14	5.549754E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	0	4.4982E+07	3.573745E+12	6.698649E+13	2.775585E+12	2.896321E+14	6.337595E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	1	4.4982E+07	5.157181E+12	6.681808E+13	3.11884E+12	2.899214E+14	7.121267E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	2	4.4982E+07	7.314505E+12	6.666269E+13	3.438446E+12	2.901967E+14	7.850947E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	3	4.4982E+07	1.018674E+13	6.618945E+13	3.760939E+12	2.891443E+14	8.587216E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	4	4.4982E+07	1.393712E+13	6.511868E+13	4.030363E+12	2.854262E+14	9.202314E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	5	4.4982E+07	4.27997E+11	6.088489E+13	3.593456E+11	2.855188E+14	8.213239E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	6	4.4982E+07	4.837929E+11	6.067376E+13	7.046277E+11	2.855346E+14	1.609622E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	7	4.4982E+07	5.954005E+11	6.046163E+13	1.058971E+12	2.85572E+14	2.418608E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	8	4.4982E+07	7.960279E+11	6.026406E+13	1.411131E+12	2.856712E+14	3.222608E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	9	4.4982E+07	1.129977E+12	6.007217E+13	1.749671E+12	2.857572E+14	3.995514E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	10	4.4982E+07	1.653643E+12	5.983396E+13	2.095774E+12	2.856489E+14	4.785687E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	11	4.4982E+07	2.438338E+12	5.966447E+13	2.430503E+12	2.858286E+14	5.549894E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	0	4.4982E+07	3.57052E+12	5.951607E+13	2.775585E+12	2.861369E+14	6.337735E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	1	4.4982E+07	5.153965E+12	5.936664E+13	3.11884E+12	2.864351E+14	7.121406E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	2	4.4982E+07	7.311318E+12	5.92335E+13	3.42745E+12	2.867089E+14	7.825981E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	3	4.4982E+07	1.018358E+13	5.881315E+13	3.750048E+12	2.856812E+14	8.562487E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	4	4.4982E+07	1.3934E+13	5.786182E+13	4.019669E+12	2.820189E+14	9.178035E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	5	4.4982E+07	4.24475E+11	5.366307E+13	3.593456E+11	2.821229E+14	8.215055E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	6	4.4982E+07	4.802832E+11	5.347718E+13	7.046277E+11	2.821506E+14	1.609803E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	7	4.4982E+07	5.919031E+11	5.329043E+13	1.058971E+12	2.822E+14	2.418788E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	8	4.4982E+07	7.925421E+11	5.31165E+13	1.411131E+12	2.823102E+14	3.222788E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	9	4.4982E+07	1.126502E+12	5.294756E+13	1.749671E+12	2.824071E+14	3.995693E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	10	4.4982E+07	1.650183E+12	5.273781E+13	2.095774E+12	2.823121E+14	4.785865E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	11	4.4982E+07	2.434887E+12	5.258862E+13	2.430503E+12	2.825014E+14	5.550071E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	0	4.4982E+07	3.567078E+12	5.245803E+13	2.775585E+12	2.828181E+14	6.337912E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	1	4.4982E+07	5.150532E+12	5.232652E+13	3.11884E+12	2.831246E+14	7.121583E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	2	4.4982E+07	7.307893E+12	5.220936E+13	3.42745E+12	2.834059E+14	7.826158E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	3	4.4982E+07	1.018018E+13	5.183906E+13	3.750048E+12	2.824019E+14	8.562662E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	4	4.4982E+07	1.393066E+13	5.100072E+13	4.019669E+12	2.787927E+14	9.178207E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	5	4.4982E+07	4.206727E+11	4.682502E+13	3.593456E+11	2.789075E+14	8.217421E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	6	4.4982E+07	4.764942E+11	4.666304E+13	7.046277E+11	2.789464E+14	1.610039E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	7	4.4982E+07	5.881275E+11	4.65003E+13	1.058971E+12	2.790071E+14	2.419023E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	8	4.4982E+07	7.887788E+11	4.634875E+13	1.411131E+12	2.791279E+14	3.223022E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	9	4.4982E+07	1.122751E+12	4.620156E+13	1.749671E+12	2.79235E+14	3.995926E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	10	4.4982E+07	1.646447E+12	4.601875E+13	2.095774E+12	2.791527E+14	4.786098E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	11	4.4982E+07	2.431161E+12	4.588879E+13	2.430503E+12	2.79351E+14	5.550303E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	0	4.4982E+07	3.563362E+12	4.577505E+13	2.775585E+12	2.796756E+14	6.338143E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	1	4.4982E+07	5.146825E+12	4.566051E+13	3.11884E+12	2.799902E+14	7.121814E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	2	4.4982E+07	7.304194E+12	4.555848E+13	3.42745E+12	2.802786E+14	7.826388E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	3	4.4982E+07	1.01765E+13	4.523556E+13	3.750048E+12	2.792968E+14	8.562891E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	4	4.4982E+07	1.392704E+13	4.450423E+13	4.019669E+12	2.757379E+14	9.178432E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	5	4.4982E+07	4.165215E+11	4.035034E+13	3.593456E+11	2.75863E+14	8.220591E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	6	4.4982E+07	4.723575E+11	4.021099E+13	7.046277E+11	2.759126E+14	1.610355E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	7	4.4982E+07	5.840053E+11	4.0071E+13	1.058971E+12	2.759639E+14	2.419338E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	8	4.4982E+07	7.846704E+11	3.994065E+13	1.411131E+12	2.761146E+14	3.223336E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	9	4.4982E+07	1.118656E+12	3.981404E+13	1.749671E+12	2.762314E+14	3.996239E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	10	4.4982E+07	1.642368E+12	3.965675E+13	2.095774E+12	2.761611E+14	4.78641E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2043	11	4.4982E+07	2.427094E+12	3.954498E+13	2.430503E+12	2.76368E+14	5.550614E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	0	4.4982E+07	3.559305E+12	3.944721E+13	2.775585E+12	2.767001E+14	6.338453E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	1	4.4982E+07	5.142779E+12	3.934874E+13	3.11884E+12	2.770222E+14	7.122123E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	2	4.4982E+07	7.300137E+12	3.92579E+13	3.438446E+12	2.773279E+14	7.851801E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2044	3	4.4982E+07	1.017247E+13	3.897991E+13	3.760939E+12	2.763672E+14	8.588064E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	4	4.4982E+07	1.392308E+13	3.834998E+13	4.030363E+12	2.72856E+14	9.203148E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	5	4.4982E+07	4.119134E+11	3.420611E+13	3.593456E+11	2.729908E+14	8.225001E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	6	4.4982E+07	4.677655E+11	3.408824E+13	7.046277E+11	2.730504E+14	1.610794E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	7	4.4982E+07	5.794295E+11	3.396983E+13	1.058971E+12	2.731319E+14	2.419776E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	8	4.4982E+07	7.801096E+11	3.385959E+13	1.411131E+12	2.73272E+14	3.223773E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	9	4.4982E+07	1.11411E+12	3.375252E+13	1.749671E+12	2.733979E+14	3.996674E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	10	4.4982E+07	1.63784E+12	3.361944E+13	2.095774E+12	2.733389E+14	4.786843E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2044	11	4.4982E+07	2.422579E+12	3.352494E+13	2.430503E+12	2.735538E+14	5.551046E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	0	4.4982E+07	3.554802E+12	3.344232E+13	2.775585E+12	2.738931E+14	6.338884E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	1	4.4982E+07	5.138286E+12	3.335911E+13	3.11884E+12	2.742223E+14	7.122553E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	2	4.4982E+07	7.295675E+12	3.328498E+13	3.42745E+12	2.745238E+14	7.827126E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	3	4.4982E+07	1.016804E+13	3.304952E+13	3.750048E+12	2.73583E+14	8.563623E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	4	4.4982E+07	1.391872E+13	3.251564E+13	4.019669E+12	2.701167E+14	9.179152E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	5	4.4982E+07	4.067264E+11	2.840202E+13	3.593456E+11	2.702607E+14	8.231391E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	6	4.4982E+07	4.625966E+11	2.830444E+13	7.046277E+11	2.703298E+14	1.611431E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	7	4.4982E+07	5.742789E+11	2.820642E+13	1.058971E+12	2.704209E+14	2.42041E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	8	4.4982E+07	7.749759E+11	2.811518E+13	1.411131E+12	2.705699E+14	3.224405E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	9	4.4982E+07	1.108993E+12	2.802656E+13	1.749671E+12	2.707045E+14	3.997304E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	10	4.4982E+07	1.632743E+12	2.791635E+13	2.095774E+12	2.706563E+14	4.78747E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2045	11	4.4982E+07	2.417497E+12	2.783817E+13	2.430503E+12	2.708789E+14	5.551672E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	0	4.4982E+07	3.549732E+12	2.776985E+13	2.775585E+12	2.712249E+14	6.339508E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	1	4.4982E+07	5.13323E+12	2.770105E+13	3.11884E+12	2.715609E+14	7.123175E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	2	4.4982E+07	7.29063E+12	2.763975E+13	3.42745E+12	2.718684E+14	7.827147E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	3	4.4982E+07	1.016304E+13	2.744452E+13	3.750048E+12	2.709465E+14	8.564239E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	4	4.4982E+07	1.391379E+13	2.700146E+13	4.019669E+12	2.675229E+14	9.179759E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	5	4.4982E+07	4.007275E+11	2.290636E+13	3.593456E+11	2.676756E+14	8.241252E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	6	4.4982E+07	4.566187E+11	2.282799E+13	7.046277E+11	2.677538E+14	1.612414E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	7	4.4982E+07	5.68322E+11	2.274928E+13	1.058971E+12	2.678539E+14	2.421389E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	8	4.4982E+07	7.690387E+11	2.267603E+13	1.411131E+12	2.680115E+14	3.225381E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	9	4.4982E+07	1.103075E+12	2.260488E+13	1.749671E+12	2.681543E+14	3.998277E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	10	4.4982E+07	1.626849E+12	2.251632E+13	2.095774E+12	2.681162E+14	4.78844E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2046	11	4.4982E+07	2.411619E+12	2.245359E+13	2.430503E+12	2.683461E+14	5.552639E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	0	4.4982E+07	3.543869E+12	2.239882E+13	2.775585E+12	2.686984E+14	6.340472E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	1	4.4982E+07	5.127382E+12	2.234366E+13	3.11884E+12	2.690409E+14	7.124137E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	2	4.4982E+07	7.284795E+12	2.229452E+13	3.42745E+12	2.693541E+14	7.828706E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	3	4.4982E+07	1.015724E+13	2.213737E+13	3.750048E+12	2.684501E+14	8.565192E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	4	4.4982E+07	1.39081E+13	2.17803E+13	4.019669E+12	2.65067E+14	9.180696E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	5	4.4982E+07	3.935389E+11	1.770274E+13	3.593456E+11	2.65228E+14	8.257867E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	6	4.4982E+07	4.494552E+11	1.764257E+13	7.046277E+11	2.653147E+14	1.614069E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	7	4.4982E+07	5.611838E+11	1.758213E+13	1.058971E+12	2.654234E+14	2.423039E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	8	4.4982E+07	7.61924E+11	1.752592E+13	1.411131E+12	2.655889E+14	3.227025E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	9	4.4982E+07	1.095983E+12	1.747131E+13	1.749671E+12	2.657395E+14	3.999916E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	10	4.4982E+07	1.619785E+12	1.740326E+13	2.095774E+12	2.657111E+14	4.790072E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	11	4.4982E+07	2.404576E+12	1.735515E+13	2.430503E+12	2.659479E+14	5.554266E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	0	4.4982E+07	3.536844E+12	1.731322E+13	2.775585E+12	2.663063E+14	6.342096E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	1	4.4982E+07	5.120374E+12	1.727097E+13	3.11884E+12	2.666548E+14	7.125757E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	2	4.4982E+07	7.277785E+12	1.7232E+13	3.438446E+12	2.669848E+14	7.855427E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	3	4.4982E+07	1.015028E+13	1.711093E+13	3.760939E+12	2.660978E+14	8.591663E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	4	4.4982E+07	1.390125E+13	1.683533E+13	4.030363E+12	2.62753E+14	9.206689E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	5	4.4982E+07	3.844134E+11	1.276372E+13	3.593456E+11	2.629218E+14	8.290058E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	6	4.4982E+07	4.403616E+11	1.272081E+13	7.046277E+11	2.630165E+14	1.617277E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	7	4.4982E+07	5.521223E+11	1.267772E+13	1.058971E+12	2.631334E+14	2.426236E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	8	4.4982E+07	7.528924E+11	1.263768E+13	1.411131E+12	2.633064E+14	3.230211E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	9	4.4982E+07	1.08698E+12	1.259877E+13	1.749671E+12	2.634644E+14	4.003092E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	10	4.4982E+07	1.610818E+12	1.255019E+13	2.095774E+12	2.634451E+14	4.793235E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	11	4.4982E+07	2.395635E+12	1.251596E+13	2.430503E+12	2.636883E+14	5.55742E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	0	4.4982E+07	3.527925E+12	1.24862E+13	2.775585E+12	2.640523E+14	6.345242E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2049	1	4.4982E+07	5.111478E+12	1.245621E+13	3.11884E+12	2.644066E+14	7.128895E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	2	4.4982E+07	7.268928E+12	1.24295E+13	3.42745E+12	2.647303E+14	7.833453E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	3	4.4982E+07	1.014149E+13	1.234265E+13	3.750048E+12	2.638593E+14	8.569905E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	4	4.4982E+07	1.38926E+13	1.214428E+13	4.019669E+12	2.605506E+14	9.185333E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	5	4.4982E+07	3.717236E+11	8.099092E+12	3.593456E+11	2.607267E+14	8.369161E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	6	4.4982E+07	4.277162E+11	8.072485E+12	7.046277E+11	2.608292E+14	1.62516E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	7	4.4982E+07	5.395214E+11	8.045785E+12	1.058971E+12	2.609537E+14	2.43409E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	8	4.4982E+07	7.40333E+11	8.021011E+12	1.411131E+12	2.61134E+14	3.23804E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	9	4.4982E+07	1.074461E+12	7.996934E+12	1.749671E+12	2.612989E+14	4.010896E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	10	4.4982E+07	1.598349E+12	7.966729E+12	2.095774E+12	2.612882E+14	4.801008E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	11	4.4982E+07	2.383201E+12	7.945616E+12	2.430503E+12	2.615376E+14	5.565171E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	0	4.4982E+07	3.515523E+12	7.927353E+12	2.775585E+12	2.619071E+14	6.352973E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	1	4.4982E+07	5.099108E+12	7.908942E+12	3.11884E+12	2.622668E+14	7.136606E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	2	4.4982E+07	7.256585E+12	7.892552E+12	3.42745E+12	2.625954E+14	7.841147E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	3	4.4982E+07	1.012923E+13	7.838023E+12	3.750048E+12	2.617396E+14	8.577544E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	4	4.4982E+07	1.388054E+13	7.712648E+12	4.019669E+12	2.584652E+14	9.192848E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	5	4.4982E+07	3.497304E+11	3.682343E+12	3.593456E+11	2.586483E+14	8.715458E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	6	4.4982E+07	4.057999E+11	3.671176E+12	7.046277E+11	2.58758E+14	1.659668E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	7	4.4982E+07	5.176823E+11	3.65999E+12	1.058971E+12	2.588899E+14	2.468478E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	8	4.4982E+07	7.185659E+11	3.649675E+12	1.411131E+12	2.590769E+14	3.272314E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	9	4.4982E+07	1.052764E+12	3.63964E+12	1.749671E+12	2.592485E+14	4.04506E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	10	4.4982E+07	1.576739E+12	3.62684E+12	2.095774E+12	2.59246E+14	4.835035E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	11	4.4982E+07	2.361653E+12	3.618141E+12	2.430503E+12	2.595012E+14	5.599101E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	0	4.4982E+07	3.494029E+12	3.610766E+12	2.775585E+12	2.598758E+14	6.386817E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	1	4.4982E+07	5.077668E+12	3.603319E+12	3.11884E+12	2.602407E+14	7.170365E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	2	4.4982E+07	7.235194E+12	3.596698E+12	3.42745E+12	2.605738E+14	7.874829E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	3	4.4982E+07	1.010799E+13	3.572778E+12	3.750048E+12	2.597324E+14	8.610986E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	4	4.4982E+07	1.385965E+13	3.516514E+12	4.019669E+12	2.564906E+14	9.225748E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	5	4.4982E+07	3.761879E+11	1.768412E+09	8.608106E+11	2.566803E+14	8.340848E+10	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	6	4.4982E+07	4.340398E+11	3.467615E+09	1.20434E+12	2.56797E+14	1.622338E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	7	4.4982E+07	5.495656E+11	5.21141E+09	1.556922E+12	2.569357E+14	2.431279E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	8	4.4982E+07	7.57068E+11	6.944459E+09	1.90744E+12	2.571292E+14	3.235238E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	9	4.4982E+07	1.10233E+12	8.610481E+09	2.244385E+12	2.57307E+14	4.008102E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	10	4.4982E+07	1.643685E+12	1.031373E+10	2.588513E+12	2.573123E+14	4.798225E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	11	4.4982E+07	2.454706E+12	1.1961E+10	2.921833E+12	2.57573E+14	5.562397E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2052	0	4.4982E+07	3.62478E+12	1.365921E+10	3.265678E+12	2.579525E+14	6.350206E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2052	1	4.4982E+07	5.26116E+12	1.534844E+10	3.607688E+12	2.583222E+14	7.133846E+11	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

Cumulative Flows and Concentrations Per Time Interval for Layer 1 : Flooding Pit

YEAR	Month	Vol (m^3/Lyr)	pH	Alk(mg/L)	Aci(mg/L)	SO4(mg/L)	Cu (mg/L)	1:S rem.(kg)	1:NP rem.(kg)	2:S rem.(kg)	2:NP rem.(kg)	3:S rem.(kg)	3:NP rem.(kg)	4:S rem.(kg)	4:NP (kg)	5:S rem.(kg)	5:NP rem.(kg)	Pump #2	Water Elevation (m)
1992	5	300607	9.367135	2496.092	0	5274.677	8.521137E-04	2382397	3503357	1308190	1469842	851647.4	1027279	9.375E-08	-.185856	1786899	2842909	0	485.736
1992	6	603127	9.74807	4604.187	0	6128.622	3.541456E-04	2381741	3497058	1306984	1461115	851142.5	1024213	9.375E-08	-.185856	1785985	2838468	0	496.5403
1992	7	912352	10.08519	7915.167	0	7616.309	1.628278E-04	2381088	3490796	1305741	1452125	850620.8	1021045	9.375E-08	-.185856	1785050	2833925	0	506.636
1992	8	1211688	10.38372	12789	0	9865.494	8.182679E-05	2380453	3484703	1304503	1443170	850099.3	1017877	9.375E-08	-.185856	1784121	2829410	0	515.9902
1992	9	1502838	10.64548	19478.04	0	12928.25	4.475834E-05	2379855	3478967	1303309	1434538	849594.7	1014812	9.375E-08	-.185856	1783228	2825068	0	525.0887
1992	10	1835313	10.86122	27550.76	0	16546.9	2.722176E-05	2379257	3473228	1302082	1425659	849073.3	1011646	9.375E-08	-.185856	1782311	2820612	0	535.4785
1992	11	2111283	11.07364	38761.69	0	21709.02	1.668335E-05	2378693	3467825	1300898	1417097	848568.9	1008582	9.375E-08	-.185856	1781429	2816325	0	544.1026
1993	0	2376476	11.26762	52941.74	0	28250.64	1.066873E-05	2378126	3462376	1299686	1408335	848048.4	1005421	9.375E-08	-.185856	1780522	2811917	0	550.7081
1993	1	2643069	11.44364	70252.16	0	36277.46	7.110795E-06	2377567	3457016	1298504	1399786	847530.6	1002276	9.375E-08	-.185856	1779618	2807521	0	553.1766
1993	2	2882929	11.61119	91963.11	0	46267.36	4.832755E-06	2377070	3452249	1297461	1392238	847065.1	999448	9.375E-08	-.185856	1778803	2803562	0	555.3975
1993	3	3364948	11.71921	109397.1	0	54078.98	3.767685E-06	2376537	3447132	1296359	1384267	846554.3	996345.8	9.375E-08	-.185856	1777906	2799200	0	559.8606
1993	4	4278898	11.75949	116713.4	0	56979.21	3.433641E-06	2376051	3442475	1295389	1377253	846068.5	993395.4	9.375E-08	-.185856	1777046	2795020	0	568.3231
1993	5	4526431	11.72422	110282.1	0	54113.79	3.724398E-06	2375560	3437763	1294418	1370227	845570	990367.4	9.375E-08	-.185856	1776162	2790722	0	570.6151
1993	6	4777590	11.69055	104473.5	0	51555.7	4.024912E-06	2375093	3433283	1293504	1363621	845089.8	987451.5	9.375E-08	-.185856	1775308	2786576	0	572.9406
1993	7	5033741	11.65847	99223.27	0	49237.46	4.333802E-06	2374620	3428741	1292589	1356999	844596.2	984453.9	9.375E-08	-.185856	1774429	2782303	0	575.3124
1993	8	5280004	11.62986	94763.64	0	47322.43	4.629252E-06	2374155	3424281	1291700	1350573	844105	981470.8	9.375E-08	-.185856	1773552	2778042	0	577.5927
1993	9	5519792	11.60455	90985.61	0	45703.5	4.907378E-06	2373713	3420042	1290866	1344538	843632	978598	9.375E-08	-.185856	1772706	2773929	0	579.8129

1993	10	5799194	11.57776	87151.33	0	44043.64	5.219933E-06	2373267	3415756	1290034	1338523	843146	975646.3	9.375E-08	-.185856	1771835	2769693	0	582.4
1993	11	6023802	11.56023	84731.06	0	43102.97	5.435084E-06	2372842	3411681	1289254	1332876	842677.8	972802.4	9.375E-08	-.185856	1770994	2765604	0	584.4797
1994	0	6235921	11.54773	83045.88	0	42510.95	5.59395E-06	2372410	3407541	1288470	1327208	842196.1	969876.8	9.375E-08	-.185856	1770127	2761389	0	586.4437
1994	1	6449441	11.53934	81932.6	0	42220.39	5.703272E-06	2371987	3403473	1287710	1321710	841716.4	966963.8	9.375E-08	-.185856	1769261	2757185	0	588.4208
1994	2	6641363	11.53805	81763.63	0	42361.78	5.720184E-06	2371610	3399857	1287042	1316881	841285	964343.1	9.375E-08	-.185856	1768482	2753396	0	590.1978
1994	3	7070308	11.52112	79568.54	0	41464.28	5.947842E-06	2371207	3395995	1286350	1311875	840811.4	961466.9	9.375E-08	-.185856	1767623	2749220	0	594.1695
1994	4	7932897	11.47754	74186.23	0	38857.16	6.576307E-06	2370843	3392502	1285759	1307606	840361.4	958734.1	9.375E-08	-.185856	1766800	2745220	0	601.2521
1994	5	8161703	11.45953	72069.42	0	37901.32	6.855073E-06	2370473	3388950	1285165	1303308	839899.9	955931.4	9.375E-08	-.185856	1765954	2741108	0	602.4823
1994	6	8394738	11.44171	70034.91	0	36997.54	7.142438E-06	2370119	3385557	1284604	1299245	839456	953234.7	9.375E-08	-.185856	1765137	2737141	0	603.7352
1994	7	8632162	11.42428	68099.72	0	36132.6	7.435309E-06	2369758	3382097	1284037	1295148	838999.9	950464.4	9.375E-08	-.185856	1764296	2733054	0	605.0116
1994	8	8859697	11.40824	66366.47	0	35367.67	7.715354E-06	2369403	3378681	1283484	1291149	838546.4	947709.8	9.375E-08	-.185856	1763458	2728981	0	606.2349
1994	9	9081362	11.39346	64808.63	0	34685.49	7.982699E-06	2369062	3375417	1282962	1287371	838109.9	945058.7	9.375E-08	-.185856	1762650	2725050	0	607.4267
1994	10	9342036	11.37701	63117.95	0	33948.86	8.29112E-06	2368716	3372093	1282438	1283580	837661.8	942336.8	9.375E-08	-.185856	1761817	2721003	0	608.8281
1994	11	9548521	11.36544	61955.33	0	33473.71	8.515161E-06	2368385	3368916	1281942	1279997	837230.3	939716.8	9.375E-08	-.185856	1761013	2717097	0	609.9383
1995	0	9741913	11.35611	61033.48	0	33124.8	8.700198E-06	2368047	3365672	1281442	1276378	836786.9	937022.9	9.375E-08	-.185856	1760185	2713072	0	610.978
1995	1	9936706	11.34845	60286.01	0	32860.85	8.855302E-06	2367713	3362465	1280953	1272843	836345.4	934342.3	9.375E-08	-.185856	1759359	2709058	0	612.0253
1995	2	1.011171E+07	11.34404	59860.61	0	32766.54	8.945688E-06	2367414	3359599	1280521	1269717	835948.6	931932.1	9.375E-08	-.185856	1758615	2705441	0	612.9662
1995	3	1.052193E+07	11.32808	58344.55	0	32060.7	9.280928E-06	2367092	3356505	1280067	1266431	835513.9	929291.4	9.375E-08	-.185856	1757795	2701458	0	615.1717
1995	4	1.13664E+07	11.29173	55033.67	0	30354.09	1.0092E-05	2366796	3353666	1279675	1263600	835102.1	926791	9.375E-08	-.185856	1757011	2697647	0	619.7118
1995	5	1.15847E+07	11.27959	53970.34	0	29876	1.037835E-05	2366495	3350785	1279285	1260776	834679.9	924226.8	9.375E-08	-.185856	1756205	2693729	0	620.8855
1995	6	1.180758E+07	11.26757	52937.42	0	29407.29	1.066998E-05	2366209	3348037	1278920	1258135	834273.7	921760	9.375E-08	-.185856	1755427	2689950	0	622.0837
1995	7	1.203451E+07	11.25565	51932.84	0	28968.67	1.096721E-05	2365918	3345242	1278556	1255503	833856.6	919226.6	9.375E-08	-.185856	1754626	2686056	0	623.3038
1995	8	1.225154E+07	11.2448	51035.27	0	28577.01	1.124489E-05	2365631	3342488	1278205	1252964	833441.8	916707.9	9.375E-08	-.185856	1753828	2682175	0	624.4706
1995	9	1.246305E+07	11.23486	50226.62	0	28226.48	1.150542E-05	2365357	3339863	1277877	1250594	833042.8	914284.6	9.375E-08	-.185856	1753057	2678430	0	625.6078
1995	10	1.271323E+07	11.22388	49348.21	0	27833.11	1.180025E-05	2365079	3337198	1277553	1248252	832633.3	911797.4	9.375E-08	-.185856	1752264	2674574	0	626.9528
1995	11	1.290955E+07	11.21658	48772.39	0	27612.99	1.200054E-05	2364814	3334656	1277251	1246066	832239.1	909403.6	9.375E-08	-.185856	1751498	2670853	0	628.0084
1996	0	1.309245E+07	11.21131	48361.08	0	27471.5	1.21472E-05	2364543	3332063	1276949	1243885	831833.8	906942.4	9.375E-08	-.185856	1750709	2667017	0	628.9916
1996	1	1.327674E+07	11.20763	48075.91	0	27388.68	1.225065E-05	2364277	3329506	1276659	1241782	831430.8	904493.9	9.375E-08	-.185856	1749922	2663192	0	629.9825
1996	2	1.344818E+07	11.20661	47996.96	0	27401.11	1.227957E-05	2364031	3327147	1276396	1239881	831055.4	902214.6	9.375E-08	-.185856	1749187	2659623	0	630.9042
1996	3	1.38479E+07	11.19769	47313.92	0	27067.13	1.253461E-05	2363776	3324700	1276138	1238019	830658.6	899805	9.375E-08	-.185856	1748407	2655828	0	633.0532
1996	4	1.46822E+07	11.1736	45516.63	0	26071.78	1.325042E-05	2363545	3322484	1275936	1236557	830283.6	897527.2	9.375E-08	-.185856	1747660	2652197	0	637.5387
1996	5	1.489037E+07	11.16455	44859.79	0	25780.26	1.352955E-05	2363311	3320243	1275740	1235138	829899.1	895191.8	9.375E-08	-.185856	1746892	2648465	0	638.6579
1996	6	1.510344E+07	11.15556	44216.08	0	25490.94	1.381292E-05	2363089	3318111	1275562	1233851	829529.3	892945.6	9.375E-08	-.185856	1746151	2644865	0	639.8034
1996	7	1.532023E+07	11.14668	43589.25	0	25211.2	1.409866E-05	2362864	3315951	1275391	1232613	829149.6	890639.5	9.375E-08	-.185856	1745388	2641157	0	640.9689
1996	8	1.552712E+07	11.13863	43029.2	0	24966.38	1.436257E-05	2362643	3313829	1275232	1231462	828772.1	888347.2	9.375E-08	-.185856	1744627	2637460	0	642.0813
1996	9	1.572882E+07	11.13128	42523.75	0	24757.78	1.460802E-05	2362433	3311814	1275089	1230429	828409.1	886142.3	9.375E-08	-.185856	1743893	2633892	0	643.1657
1996	10	1.596886E+07	11.12321	41975.92	0	24514.66	1.488221E-05	2362220	3309775	1274955	1229463	828036.6	883880	9.375E-08	-.185856	1743138	2630219	0	644.4562
1996	11	1.615537E+07	11.11821	41639.73	0	24384.53	1.505481E-05	2362018	3307838	1274836	1228603	827678.2	881703.1	9.375E-08	-.185856	1742408	2626675	0	645.459
1997	0	1.632813E+07	11.115	41425.87	0	24317.99	1.516642E-05	2361813	3305866	1274723	1227783	827309.8	879465.2	9.375E-08	-.185856	1741656	2623021	0	646.3878
1997	1	1.650228E+07	11.1133	41312.9	0	24297.21	1.522591E-05	2361611	3303930	1274619	1227032	826943.2	877239.4	9.375E-08	-.185856	1740907	2619377	0	647.3241
1997	2	1.665865E+07	11.11415	41369.27	0	24362.6	1.519618E-05	2361432	3302209	1274535	1226423	826613.8	875238.8	9.375E-08	-.185856	1740231	2616093	0	648.1648
1997	3	1.704823E+07	11.10881	41015.38	0	24166.4	1.538456E-05	2361240	3300370	1274460	1225881	826253.2	873048.8	9.375E-08	-.185856	1739488	2612482	0	650.176
1997	4	1.787273E+07	11.09103	39860.22	0	23500.28	1.602793E-05	2361060	3298640	1274392	1225390	825910.2	870965.8	9.375E-08	-.185856	1738789	2609084	0	653.1851
1997	5	1.8072E+07	11.0838	39399.58	0	23309.1	1.629737E-05	2360875	3296870	1274323	1224891	825557.8	868825.9	9.375E-08	-.185856	1738073	2605606	0	653.9124
1997	6	1.827645E+07	11.0765	38939.97	0	23109.39	1.657391E-05	2360698	3295172	1274257	1224416	825218.3	866764.3	9.375E-08	-.185856	1737386	2602264	0	654.6586
1997	7	1.848434E+07	11.06915	38482.79	0	22921.64	1.685701E-05	2360516	3293431	1274186	1223901	824869.1	864643.8	9.375E-08	-.185856	1736680	2598835	0	655.4173
1997	8	1.868234E+07	11.06221	38056	0	22754.78	1.712882E-05	2360336	3291704	1274116	1223395	824521.5	862532.8	9.375E-08	-.185856	1735980	2595432	0	656.14
1997	9	1.887543E+07	11.05561	37654.17	0	22594.48	1.739155E-05	2360163	3290045	1274050	1222913	824186.6	860498.1	9.375E-08	-.185856	1735307	2592162	0	656.8446
1997	10	1.910657E+07	11.04788	37189.63	0	22405.32	1.770393E-05	2359985	3288342	1273982	1222425	823842.2	858406.4	9.375E-08	-.185856	1734618	2588811	0	657.6882
1997	11	1.928447E+07	11.0421	36845.31	0	22288.62	1.794165E-05	2359815	3286705	1273918	1221960	823510.3	856390.4	9.375E-08	-.185856	1733955	2585590	0	658.3375
1998	0	1.944833E+07	11.03704	36547.29	0	22194.21	1.815185E-05	2359640	3285026	1273852	1221486	823168.4	854314.4	9.375E-08	-.185856	1733275	2582282	0	658.9355
1998	1	1.961359E+07	11.03223	36265.52	0	22115.16	1.835443E-05	2359466	3283358	1273788	1221020	822827.9	852246.3	9.375E-08	-.185856	1732598	2578994	0	659.5386
1998	2	1.976192E+07	11.02841	36043.61	0	22056.8	1.851672E-05	2359310	3281861	1273730	1220604	822521.4	850384.7	9.375E-08	-.185856	1731991	2576042	0	660.08
1998	3	2.01426E+07	11.01781	35434.91	0	21770.68	1.897457E-05	2359140	3280229	1273669	1220160	822184.8	848340.8	9.375E-08	-.185856	1731327	2572819	0	661.4694
1998	4	2.095849E+07	10.99491	34154.63	0	21080.51	2.000284E-05	2358981	3278699	1273614	1219764	821865	846398.6	9.375E-08	-.185856	1730706	2569797	0	664.447
1998	5	2.115135E+07	10.9889	33826.39	0	20946.84	2.028177E-05	2358817	3277134	1273552	1219313	821536.6	844403.9	9.375E-08	-.185856	1730069	2566703	0	665.1509
1998	6	2.134961E+07	10.98284	33498.33	0	20805.62	2.056725E-05	2358661	3275633	1273493	1218887	821220.2	842482.6	9.375E-08	-.185856	1729458	2563734	0	665.8745
1998	7	2.155109E+07	10.97674	33171.37	0	20674.43	2.085859E-05	2358501	3274096	1273433	1218455	820894.8	840506.3	9.375E-08	-.185856	1728832	2560689	0	666.6098

1998	8	2.174269E+07	10.971	32866.73	0	20559.65	2.113639E-05	2358342	3272572	1273375	1218033	820570.9	838538.9	9.375E-08	-.185856	1728210	2557669	0	667.3091
1998	9	2.192957E+07	10.9656	32582.93	0	20449.84	2.140091E-05	2358189	3271104	1273319	1217633	820258.8	836643.4	9.375E-08	-.185856	1727613	2554768	0	667.9911
1998	10	2.215431E+07	10.95928	32253.41	0	20319.09	2.171517E-05	2358033	3269602	1273264	1217230	819937.9	834694.8	9.375E-08	-.185856	1727003	2551798	0	668.8113
1998	11	2.232601E+07	10.95474	32019.11	0	20239.41	2.194342E-05	2357883	3268161	1273211	1216849	819628.8	832816.9	9.375E-08	-.185856	1726415	2548944	0	669.438
1999	0	2.248347E+07	10.95086	31819.95	0	20188.02	2.214067E-05	2357729	3266682	1273158	1216461	819310.5	830883.7	9.375E-08	-.185856	1725813	2546016	0	670.0126
1999	1	2.264232E+07	10.94731	31639.13	0	20147.59	2.232231E-05	2357575	3265215	1273105	1216082	818993.4	828958.1	9.375E-08	-.185856	1725214	2543106	0	670.5924
1999	2	2.278487E+07	10.94476	31509.8	0	20124.83	2.245385E-05	2357438	3263898	1273059	1215745	818708	827224.9	9.375E-08	-.185856	1724677	2540494	0	671.1127
1999	3	2.315914E+07	10.93649	31093.51	0	19924.63	2.288622E-05	2357289	3262466	1273010	1215390	818394.8	825322.8	9.375E-08	-.185856	1724091	2537647	0	672.4786
1999	4	2.396883E+07	10.91766	30166.66	0	19403.1	2.390129E-05	2357149	3261127	1272953	1214982	818097.6	823517.4	9.375E-08	-.185856	1723544	2534988	0	675.4337
1999	5	2.415545E+07	10.91249	29916.87	0	19303.16	2.418801E-05	2357007	3259760	1272896	1214572	817792.4	821663.5	9.375E-08	-.185856	1722984	2532267	0	676.1147
1999	6	2.434766E+07	10.90726	29666.63	0	19196.8	2.448113E-05	2356870	3258450	1272843	1214187	817498.3	819877.6	9.375E-08	-.185856	1722447	2529657	0	676.8163
1999	7	2.454289E+07	10.90199	29416.6	0	19097.88	2.478009E-05	2356730	3257102	1272790	1213802	817195.9	818041.2	9.375E-08	-.185856	1721897	2526985	0	677.5288
1999	8	2.472824E+07	10.89711	29186.62	0	19006.69	2.506061E-05	2356591	3255768	1272738	1213428	816894.9	816213.4	9.375E-08	-.185856	1721352	2524335	0	678.2053
1999	9	2.490908E+07	10.89247	28969.82	0	18927.3	2.532998E-05	2356457	3254488	1272690	1213078	816605.1	814452.4	9.375E-08	-.185856	1720829	2521792	0	678.8652
1999	10	2.512756E+07	10.88709	28720.31	0	18828.62	2.564619E-05	2356321	3253181	1272642	1212730	816307.1	812642.8	9.375E-08	-.185856	1720293	2519190	0	679.6627
1999	11	2.529322E+07	10.88335	28548.04	0	18770.89	2.586835E-05	2356190	3251927	1272596	1212402	816019.9	810899.1	9.375E-08	-.185856	1719780	2516693	0	680.2672
2000	0	2.544443E+07	10.88028	28407.6	0	18737.93	2.605198E-05	2356056	3250643	1272551	1212074	815724.4	809104.4	9.375E-08	-.185856	1719252	2514130	0	680.8191
2000	1	2.559703E+07	10.87768	28289.02	0	18709.34	2.620873E-05	2355923	3249368	1272507	1211755	815430	807316.3	9.375E-08	-.185856	1718729	2511586	0	681.376
2000	2	2.573882E+07	10.87588	28207.58	0	18701.37	2.631732E-05	2355800	3248186	1272467	1211465	815155.5	805649.7	9.375E-08	-.185856	1718243	2509223	0	681.8935
2000	3	2.610685E+07	10.86939	27914.62	0	18549.54	2.671429E-05	2355670	3246939	1272427	1211178	814865	803885.3	9.375E-08	-.185856	1717732	2506742	0	683.2367
2000	4	2.691049E+07	10.85367	27218.45	0	18132.26	2.769957E-05	2355550	3245786	1272427	1211178	814589.6	802212.8	9.375E-08	-.185856	1717258	2504434	0	686.1697
2000	5	2.7091E+07	10.84923	27024.91	0	18051.28	2.798457E-05	2355427	3244609	1272427	1211178	814306.8	800494.9	9.375E-08	-.185856	1716772	2502075	0	686.8285
2000	6	2.72773E+07	10.84471	26829	0	17972.33	2.827804E-05	2355309	3243475	1272427	1211178	814034.4	798840.9	9.375E-08	-.185856	1716307	2499815	0	687.5084
2000	7	2.746643E+07	10.84023	26636.56	0	17892.52	2.857151E-05	2355188	3242316	1272427	1211178	813754.4	797140.4	9.375E-08	-.185856	1715831	2497502	0	688.1987
2000	8	2.764568E+07	10.83609	26459.9	0	17827.66	2.884545E-05	2355069	3241170	1272427	1211178	813475.8	795447.8	9.375E-08	-.185856	1715360	2495211	0	688.8528
2000	9	2.782061E+07	10.83224	26297	0	17770.9	2.910204E-05	2354954	3240073	1272427	1211178	813207.4	793817.7	9.375E-08	-.185856	1714908	2493015	0	689.4913
2000	10	2.803299E+07	10.82786	26112.58	0	17693.6	2.939728E-05	2354838	3238954	1272427	1211178	812931.7	792143.1	9.375E-08	-.185856	1714446	2490771	0	690.2664
2000	11	2.819274E+07	10.825	25992.47	0	17659.9	2.95923E-05	2354726	3237882	1272427	1211178	812666	790529.7	9.375E-08	-.185856	1714003	2488618	0	690.8494
2001	0	2.833783E+07	10.82293	25906.48	0	17641.23	2.973326E-05	2354611	3236784	1272427	1211178	812392.6	788868.7	9.375E-08	-.185856	1713549	2486412	0	691.379
2001	1	2.848433E+07	10.82136	25841.09	0	17635.32	2.984123E-05	2354498	3235696	1272427	1211178	812120.2	787214.6	9.375E-08	-.185856	1713099	2484223	0	691.9136
2001	2	2.861572E+07	10.82086	25820.39	0	17643.1	2.987556E-05	2354396	3234722	1272427	1211178	811875.1	785726.1	9.375E-08	-.185856	1712695	2482260	0	692.3931
2001	3	2.897765E+07	10.81619	25627.22	0	17531.86	3.019901E-05	2354285	3233660	1272427	1211178	811606.5	784094.8	9.375E-08	-.185856	1712257	2480131	0	693.7141
2001	4	2.977538E+07	10.8034	25105.79	0	17196.11	3.11025E-05	2354184	3232685	1272427	1211178	811352.1	782550.1	9.375E-08	-.185856	1711852	2478163	0	696.6255
2001	5	2.994994E+07	10.79942	24945.86	0	17136.12	3.13889E-05	2354080	3231692	1272427	1211178	811090.9	780964.3	9.375E-08	-.185856	1711439	2476154	0	697.2626
2001	6	3.013049E+07	10.79544	24786.73	0	17070.93	3.167821E-05	2353980	3230734	1272427	1211178	810839.6	779437.8	9.375E-08	-.185856	1711043	2474231	0	697.9215
2001	7	3.031367E+07	10.79143	24627.41	0	17011.61	3.197251E-05	2353878	3229757	1272427	1211178	810581.4	777868.9	9.375E-08	-.185856	1710639	2472266	0	698.59
2001	8	3.048697E+07	10.7878	24484.18	0	16958.18	3.224112E-05	2353777	3228791	1272427	1211178	810324.3	776307.5	9.375E-08	-.185856	1710239	2470323	0	699.2225
2001	9	3.065614E+07	10.78443	24351.75	0	16914	3.249283E-05	2353681	3227869	1272427	1211178	810076.8	774804	9.375E-08	-.185856	1709856	2468462	0	699.84
2001	10	3.086258E+07	10.78059	24202.03	0	16852.02	3.278151E-05	2353583	3226925	1272427	1211178	809823.1	773263.1	9.375E-08	-.185856	1709463	2466552	0	700.4212
2001	11	3.101657E+07	10.7782	24109.33	0	16823.31	3.296244E-05	2353488	3226018	1272427	1211178	809579.1	771781.1	9.375E-08	-.185856	1709085	2464712	0	700.8201
2002	0	3.115573E+07	10.77651	24044.04	0	16814.7	3.309094E-05	2353391	3225087	1272427	1211178	809328.4	770258.7	9.375E-08	-.185856	1708695	2462817	0	701.1807
2002	1	3.129628E+07	10.7754	24000.88	0	16810.9	3.31763E-05	2353295	3224161	1272427	1211178	809079.3	768745.6	9.375E-08	-.185856	1708306	2460929	0	701.5447
2002	2	3.14223E+07	10.77528	23996.37	0	16820.65	3.31852E-05	2353208	3223329	1272427	1211178	808855.6	767386.3	9.375E-08	-.185856	1707957	2459229	0	701.8712
2002	3	3.177827E+07	10.77144	23848.88	0	16723.09	3.347988E-05	2353113	3222422	1272427	1211178	808611.6	765903.9	9.375E-08	-.185856	1707573	2457364	0	702.7935
2002	4	3.257025E+07	10.7603	23425.41	0	16422.95	3.435125E-05	2353024	3221565	1272427	1211178	808383.2	764517.5	9.375E-08	-.185856	1707209	2455598	0	704.8452
2002	5	3.274014E+07	10.75673	23291.38	0	16374.51	3.463512E-05	2352932	3220687	1272427	1211178	808149.5	763098	9.375E-08	-.185856	1706836	2453784	0	705.2853
2002	6	3.291616E+07	10.7531	23156.15	0	16320.71	3.492555E-05	2352844	3219845	1272427	1211178	807925	761734.7	9.375E-08	-.185856	1706477	2452037	0	705.7413
2002	7	3.309467E+07	10.74944	23020.36	0	16267.33	3.522137E-05	2352754	3218981	1272427	1211178	807694.9	760337.7	9.375E-08	-.185856	1706107	2450241	0	706.2038
2002	8	3.326329E+07	10.746	22893.3	0	16219.76	3.550205E-05	2352665	3218125	1272427	1211178	807466.7	758951.6	9.375E-08	-.185856	1705739	2448453	0	706.6407
2002	9	3.342795E+07	10.74263	22769.62	0	16178.38	3.57789E-05	2352579	3217303	1272427	1211178	807247.5	757620	9.375E-08	-.185856	1705385	2446730	0	707.0672
2002	10	3.36297E+07	10.73861	22623.1	0	16118.71	3.61117E-05	2352491	3216461	1272427	1211178	807023.1	756257.1	9.375E-08	-.185856	1705021	2444960	0	707.5899
2002	11	3.377918E+07	10.73561	22514.23	0	16084.09	3.636237E-05	2352407	3215653	1272427	1211178	806807.6	754947.6	9.375E-08	-.185856	1704670	2443255	0	707.9771
2003	0	3.391365E+07	10.73293	22417.27	0	16058.8	3.658814E-05	2352321	3214823	1272427	1211178	806586.1	753602.6	9.375E-08	-.185856	1704309	2441500	0	708.3255
2003	1	3.404953E+07	10.73026	22321.22	0	16033.67	3.681411E-05	2352235	3213999	1272427	1211178	806366.1	752266.4	9.375E-08	-.185856	1703949	2439752	0	708.6776
2003	2	3.417132E+07	10.72792	22237.72	0	16013.41	3.701257E-05	2352158	3213259	1272427	1211178	806168.7	751066.8	9.375E-08	-.185856	1703625	2438177	0	708.993
2003	3	3.452263E+07	10.72149	22009.16	0	15896.03	3.756501E-05	2352072	3212440	1272427	1211178	805953.6	749760.7	9.375E-08	-.185856	1703270	2436451	0	709.9032
2003	4	3.531008E+07	10.70754	21520.89	0	15589.95	3.879327E-05	2351993	3211680	1272427	1211178	805753.3	748544.3	9.375E-08	-.185856	1702934	2434817	0	711.9432
2003	5	3.547594E+07	10.70433	21410.28	0	15546.86	3.908102E-05	2351912	3210902	1272427	1211178	805548.4	747300	9.375E-08	-.185856	1702589	2433141	0	712.3729

2003	6	3.564805E+07	10.70104	21297.31	0	15500.53	3.93786E-05	2351834	3210156	1272427	1211178	805351.9	746106.6	9.375E-08	-.185856	1702256
2003	7	3.582252E+07	10.69768	21182.73	0	15459.07	3.968438E-05	2351755	3209392	1272427	1211178	805150.6	744884.1	9.375E-08	-.185856	1701915
2003	8	3.598711E+07	10.69454	21075.92	0	15420.28	3.997311E-05	2351676	3208635	1272427	1211178	804951.1	743672.3	9.375E-08	-.185856	1701575
2003	9	3.614785E+07	10.69149	20973.11	0	15382.93	4.025448E-05	2351600	3207909	1272427	1211178	804759.7	742509.6	9.375E-08	-.185856	1701248
2003	10	3.634558E+07	10.68784	20850.37	0	15331.67	4.05948E-05	2351523	3207167	1272427	1211178	804563.9	741320.4	9.375E-08	-.185856	1700912
2003	11	3.649114E+07	10.68508	20757.91	0	15306.18	4.085431E-05	2351448	3206454	1272427	1211178	804375.9	740178.7	9.375E-08	-.185856	1700588
2004	0	3.662158E+07	10.68261	20675.92	0	15286.59	4.108684E-05	2351372	3205723	1272427	1211178	804183	739007.4	9.375E-08	-.185856	1700255
2004	1	3.675342E+07	10.68024	20597.26	0	15268.16	4.131206E-05	2351295	3204982	1272427	1211178	803991.5	737843.9	9.375E-08	-.185856	1699923
2004	2	3.687579E+07	10.67816	20528.28	0	15253.24	4.151123E-05	2351223	3204294	1272427	1211178	803813.5	736762.9	9.375E-08	-.185856	1699613
2004	3	3.722306E+07	10.67248	20341.83	0	15150.92	4.205799E-05	2351148	3203573	1272427	1211178	803626.8	735629.1	9.375E-08	-.185856	1699286
2004	4	3.80066E+07	10.6599	19934.61	0	14883.96	4.329561E-05	2351078	3202906	1272427	1211178	803454.1	734579.9	9.375E-08	-.185856	1698977
2004	5	3.816849E+07	10.65691	19839.3	0	14852.35	4.359413E-05	2351007	3202225	1272427	1211178	803277.5	733507.8	9.375E-08	-.185856	1698659
2004	6	3.833676E+07	10.65389	19743.02	0	14816.12	4.389934E-05	2350939	3201573	1272427	1211178	803108.3	732479.9	9.375E-08	-.185856	1698354
2004	7	3.850726E+07	10.65083	19646.19	0	14780.27	4.421E-05	2350870	3200906	1272427	1211178	802935.2	731428.8	9.375E-08	-.185856	1698040
2004	8	3.866787E+07	10.64796	19555.91	0	14749.02	4.450298E-05	2350801	3200246	1272427	1211178	802763.8	730387.3	9.375E-08	-.185856	1697728
2004	9	3.882477E+07	10.64514	19467.4	0	14722.51	4.479339E-05	2350736	3199613	1272427	1211178	802599.5	729389.2	9.375E-08	-.185856	1697427
2004	10	3.901852E+07	10.64177	19362.36	0	14681.85	4.51423E-05	2350668	3198968	1272427	1211178	802431.8	728370.5	9.375E-08	-.185856	1697118
2004	11	3.916024E+07	10.63935	19287.21	0	14661.38	4.539485E-05	2350602	3198331	1272427	1211178	802270.8	727392.7	9.375E-08	-.185856	1696821
2005	0	3.928671E+07	10.63726	19222.49	0	14648.66	4.56141E-05	2350534	3197679	1272427	1211178	802105.9	726390.6	9.375E-08	-.185856	1696515
2005	1	3.941458E+07	10.63532	19162.58	0	14637.39	4.58188E-05	2350466	3197032	1272427	1211178	801942.3	725396.9	9.375E-08	-.185856	1696211
2005	2	3.952914E+07	10.63386	19117.62	0	14631.12	4.597345E-05	2350406	3196452	1272427	1211178	801795.6	724506.1	9.375E-08	-.185856	1695936
2005	3	3.987244E+07	10.62909	18971.66	0	14551.17	4.648151E-05	2350340	3195824	1272427	1211178	801636.8	723540.9	9.375E-08	-.185856	1695636
2005	4	4.065214E+07	10.61808	18639.03	0	14323	4.767565E-05	2350280	3195248	1272427	1211178	801490.7	722653.8	9.375E-08	-.185856	1695353
2005	5	4.081012E+07	10.61538	18558.13	0	14293.44	4.7974E-05	2350219	3194661	1272427	1211178	801341.7	721748.6	9.375E-08	-.185856	1695063
2005	6	4.097462E+07	10.6126	18475.38	0	14261.19	4.828248E-05	2350160	3194100	1272427	1211178	801199.3	720882.9	9.375E-08	-.185856	1694784
2005	7	4.114122E+07	10.60975	18391.06	0	14233.05	4.860022E-05	2350100	3193527	1272427	1211178	801053.6	719998.3	9.375E-08	-.185856	1694497
2005	8	4.129794E+07	10.60709	18312.54	0	14206.79	4.889929E-05	2350041	3192960	1272427	1211178	800909.6	719123.6	9.375E-08	-.185856	1694211
2005	9	4.145106E+07	10.60451	18236.73	0	14181.31	4.919113E-05	2349985	3192419	1272427	1211178	800771.9	718287	9.375E-08	-.185856	1693936
2005	10	4.164092E+07	10.60147	18147.94	0	14145.5	4.953661E-05	2349925	3191844	1272427	1211178	800631.4	717433.7	9.375E-08	-.185856	1693655
2005	11	4.177886E+07	10.59931	18085.05	0	14127.57	4.978386E-05	2349868	3191293	1272427	1211178	800496.8	716616.6	9.375E-08	-.185856	1693383
2006	0	4.190144E+07	10.5975	18032.37	0	14121.02	4.999254E-05	2349809	3190730	1272427	1211178	800359.1	715780.3	9.375E-08	-.185856	1693104
2006	1	4.202541E+07	10.59592	17986.6	0	14114.4	5.017507E-05	2349751	3190172	1272427	1211178	800222.7	714952.1	9.375E-08	-.185856	1692826
2006	2	4.213645E+07	10.59489	17957.07	0	14113.11	5.029355E-05	2349699	3189673	1272427	1211178	800100.4	714209.4	9.375E-08	-.185856	1692575
2006	3	4.247584E+07	10.59091	17842.53	0	14042.31	5.075722E-05	2349643	3189135	1272427	1211178	799968.8	713409.4	9.375E-08	-.185856	1692302
2006	4	4.325177E+07	10.5812	17566.1	0	13840.07	5.190649E-05	2349592	3188647	1272427	1211178	799848.9	712681.5	9.375E-08	-.185856	1692044
2006	5	4.340593E+07	10.57869	17495.48	0	13815.23	5.220732E-05	2349540	3188150	1272427	1211178	799726.8	711940.4	9.375E-08	-.185856	1691780
2006	6	4.356672E+07	10.57608	17422.14	0	13791.39	5.25227E-05	2349491	3187677	1272427	1211178	799610.2	711231.9	9.375E-08	-.185856	1691527
2006	7	4.372949E+07	10.57346	17349.11	0	13766.39	5.284011E-05	2349440	3187195	1272427	1211178	799491.4	710510.6	9.375E-08	-.185856	1691266
2006	8	4.388238E+07	10.571	17280.55	0	13744.64	5.314086E-05	2349391	3186719	1272427	1211178	799374.3	709799.3	9.375E-08	-.185856	1691006
2006	9	4.40318E+07	10.5687	17216.73	0	13724.41	5.34237E-05	2349340	3186235	1272427	1211178	799262.3	709118.9	9.375E-08	-.185856	1690757
2006	10	4.421782E+07	10.56591	17139.87	0	13697.83	5.376759E-05	2349289	3185743	1272427	1211178	799148.6	708428.1	9.375E-08	-.185856	1690501
2006	11	4.435206E+07	10.56406	17088.86	0	13686.5	5.399784E-05	2349240	3185274	1272427	1211178	799039.9	707768	9.375E-08	-.185856	1690255
2007	0	4.44708E+07	10.56267	17050.67	0	13683.2	5.417141E-05	2349190	3184794	1272427	1211178	798928.6	707092.3	9.375E-08	-.185856	1690001
2007	1	4.459094E+07	10.56158	17020.97	0	13682.35	5.430708E-05	2349140	3184320	1272427	1211178	798818.6	706424.5	9.375E-08	-.185856	1689749
2007	2	4.469852E+07	10.56114	17008.9	0	13687.06	5.436238E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2007	3	4.4982E+07	10.55804	16924.46	0	13697.89	5.475165E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2007	4	4.4982E+07	10.55039	16717.42	0	13557.58	5.572676E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2007	5	4.4982E+07	10.548	16653.31	0	13535.42	5.603458E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2007	6	4.4982E+07	10.54553	16587.44	0	13510.64	5.635413E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2007	7	4.4982E+07	10.54303	16521.07	0	13486.22	5.667899E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2007	8	4.4982E+07	10.54068	16458.73	0	13464.9	5.698718E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2007	9	4.4982E+07	10.53839	16398.28	0	13443.96	5.728861E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2007	10	4.4982E+07	10.53561	16324.96	0	13413.22	5.765788E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2007	11	4.4982E+07	10.53353	16270.73	0	13397.01	5.793381E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2008	0	4.4982E+07	10.53167	16222.02	0	13386.15	5.818343E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2008	1	4.4982E+07	10.52979	16173.07	0	13374.94	5.843606E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2008	2	4.4982E+07	10.52805	16127.84	0	13364.77	5.867134E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2008	3	4.4982E+07	10.5233	16005.25	0	13292.12	5.931672E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522

2008	4	4.4982E+07	10.51285	15738.63	0	13098.25	6.076309E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	5	4.4982E+07	10.51044	15677.81	0	13077.63	6.110155E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	6	4.4982E+07	10.50795	15615.34	0	13054.45	6.145229E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	7	4.4982E+07	10.50544	15552.41	0	13031.64	6.180925E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	8	4.4982E+07	10.50307	15493.27	0	13011.82	6.214794E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	9	4.4982E+07	10.50076	15435.91	0	12992.33	6.247927E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	10	4.4982E+07	10.49796	15366.44	0	12963.4	6.288476E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	11	4.4982E+07	10.49587	15314.95	0	12948.48	6.318835E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	0	4.4982E+07	10.49398	15268.64	0	12938.74	6.346327E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	1	4.4982E+07	10.49208	15222.12	0	12928.67	6.374162E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	2	4.4982E+07	10.49039	15180.6	0	12919.87	6.399179E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	3	4.4982E+07	10.48562	15064.75	0	12850.38	6.469869E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	4	4.4982E+07	10.47515	14813.35	0	12663.65	6.627906E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	5	4.4982E+07	10.47272	14755.64	0	12644.49	6.665117E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	6	4.4982E+07	10.47022	14696.39	0	12622.83	6.703686E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	7	4.4982E+07	10.46768	14636.69	0	12601.54	6.742938E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	8	4.4982E+07	10.46529	14580.57	0	12583.13	6.780183E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	9	4.4982E+07	10.46297	14526.15	0	12565.02	6.816646E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	10	4.4982E+07	10.46014	14460.31	0	12537.8	6.861188E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	11	4.4982E+07	10.45803	14411.41	0	12524.09	6.894599E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	0	4.4982E+07	10.45613	14367.38	0	12515.42	6.92493E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	1	4.4982E+07	10.45421	14323.14	0	12506.42	6.955625E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	2	4.4982E+07	10.45249	14283.66	0	12498.58	6.983215E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	3	4.4982E+07	10.44771	14174.21	0	12432.09	7.060667E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	4	4.4982E+07	10.43722	13937.23	0	12252.14	7.23347E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	5	4.4982E+07	10.43477	13882.47	0	12234.36	7.274432E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	6	4.4982E+07	10.43224	13826.28	0	12214.13	7.316865E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	7	4.4982E+07	10.42969	13769.64	0	12194.29	7.360063E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	8	4.4982E+07	10.42728	13716.38	0	12177.22	7.401092E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	9	4.4982E+07	10.42493	13664.73	0	12160.42	7.441237E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	10	4.4982E+07	10.42208	13602.34	0	12134.81	7.490238E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	11	4.4982E+07	10.41995	13555.89	0	12122.26	7.52706E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	0	4.4982E+07	10.41803	13514.01	0	12114.6	7.56054E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	1	4.4982E+07	10.41609	13471.94	0	12106.61	7.594418E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	2	4.4982E+07	10.41435	13434.39	0	12099.68	7.624878E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	3	4.4982E+07	10.40954	13330.99	0	12036.04	7.709837E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	4	4.4982E+07	10.39903	13107.68	0	11862.5	7.898908E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	5	4.4982E+07	10.39656	13055.7	0	11846.03	7.944041E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	6	4.4982E+07	10.39402	13002.4	0	11827.16	7.990784E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	7	4.4982E+07	10.39144	12948.67	0	11808.68	8.038385E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	8	4.4982E+07	10.38901	12898.11	0	11792.88	8.083603E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	9	4.4982E+07	10.38664	12849.09	0	11777.31	8.127862E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	10	4.4982E+07	10.38377	12789.96	0	11753.24	8.181817E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	11	4.4982E+07	10.38162	12745.83	0	11741.78	8.222472E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	0	4.4982E+07	10.37967	12705.99	0	11735.08	8.259462E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	1	4.4982E+07	10.37771	12665.97	0	11728.05	8.296911E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	2	4.4982E+07	10.37589	12628.98	0	11721.76	8.331781E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	3	4.4982E+07	10.37106	12531.33	0	11660.82	8.425061E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	4	4.4982E+07	10.36052	12320.99	0	11493.38	8.632089E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	5	4.4982E+07	10.35803	12271.65	0	11478.14	8.681888E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	6	4.4982E+07	10.35546	12221.09	0	11460.56	8.733453E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	7	4.4982E+07	10.35286	12170.11	0	11443.37	8.78596E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	8	4.4982E+07	10.3504	12122.13	0	11428.78	8.835889E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	9	4.4982E+07	10.34801	12075.6	0	11414.38	8.884754E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	10	4.4982E+07	10.34511	12019.55	0	11391.75	8.944225E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	11	4.4982E+07	10.34294	11977.63	0	11381.33	8.989144E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	0	4.4982E+07	10.34097	11939.73	0	11375.53	9.030099E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	1	4.4982E+07	10.33898	11901.65	0	11369.42	9.071559E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

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2013	2	4.4982E+07	10.3372	11867.67	0	11364.16	9.108844E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	3	4.4982E+07	10.33235	11775.43	0	11305.76	9.21133E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	4	4.4982E+07	10.32179	11577.32	0	11144.06	9.438219E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	5	4.4982E+07	10.31927	11530.48	0	11130	9.493232E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	6	4.4982E+07	10.31667	11482.51	0	11113.63	9.550182E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	7	4.4982E+07	10.31404	11434.14	0	11097.66	9.60817E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	8	4.4982E+07	10.31156	11388.58	0	11084.21	9.663345E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	9	4.4982E+07	10.30914	11344.41	0	11070.92	9.717342E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	10	4.4982E+07	10.30622	11291.28	0	11049.67	9.782966E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	11	4.4982E+07	10.30402	11251.44	0	11040.22	9.832701E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	0	4.4982E+07	10.30202	11215.37	0	11035.28	9.878086E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	1	4.4982E+07	10.30001	11179.13	0	11030.04	9.924029E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	2	4.4982E+07	10.29821	11146.79	0	11025.55	9.965365E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	3	4.4982E+07	10.29333	11059.68	0	10969.56	1.007811E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	4	4.4982E+07	10.28275	10873.17	0	10813.3	1.032694E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	5	4.4982E+07	10.2802	10828.7	0	10800.36	1.038782E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	6	4.4982E+07	10.27757	10783.18	0	10785.14	1.045078E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	7	4.4982E+07	10.27492	10737.28	0	10770.33	1.051488E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	8	4.4982E+07	10.27241	10694.01	0	10757.96	1.057596E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	9	4.4982E+07	10.26996	10652.07	0	10745.71	1.063573E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	10	4.4982E+07	10.26701	10601.71	0	10725.76	1.070827E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2014	11	4.4982E+07	10.26479	10563.85	0	10717.24	1.076332E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	0	4.4982E+07	10.26276	10529.5	0	10713.11	1.081374E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	1	4.4982E+07	10.26072	10495.01	0	10708.69	1.086472E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	2	4.4982E+07	10.25889	10464.21	0	10704.93	1.09106E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	3	4.4982E+07	10.25398	10381.97	0	10651.22	1.103477E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	4	4.4982E+07	10.24337	10206.45	0	10500.13	1.130794E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	5	4.4982E+07	10.24079	10164.21	0	10488.23	1.137537E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	6	4.4982E+07	10.23814	10121.02	0	10474.11	1.144507E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	7	4.4982E+07	10.23546	10077.45	0	10460.39	1.151611E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	8	4.4982E+07	10.23292	10036.36	0	10449.04	1.158377E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	9	4.4982E+07	10.23044	9996.527	0	10437.79	1.165001E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	10	4.4982E+07	10.22746	9948.787	0	10419.06	1.173028E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2015	11	4.4982E+07	10.22521	9912.789	0	10411.42	1.179142E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	0	4.4982E+07	10.22315	9880.08	0	10408.07	1.184744E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	1	4.4982E+07	10.22108	9847.237	0	10404.42	1.190413E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	2	4.4982E+07	10.21916	9816.868	0	10401.23	1.195698E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	3	4.4982E+07	10.21422	9739.249	0	10349.7	1.209387E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	4	4.4982E+07	10.20358	9574.146	0	10203.5	1.239408E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	5	4.4982E+07	10.20097	9534.037	0	10192.6	1.246892E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	6	4.4982E+07	10.19829	9493.044	0	10179.51	1.254621E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	7	4.4982E+07	10.19557	9451.686	0	10166.83	1.262502E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	8	4.4982E+07	10.193	9412.659	0	10156.45	1.270015E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	9	4.4982E+07	10.19049	9374.835	0	10146.14	1.27737E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	10	4.4982E+07	10.18748	9329.577	0	10128.58	1.286268E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2016	11	4.4982E+07	10.18519	9295.352	0	10121.76	1.293065E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	0	4.4982E+07	10.18311	9264.195	0	10119.14	1.299305E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	1	4.4982E+07	10.181	9232.916	0	10116.22	1.305621E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	2	4.4982E+07	10.17912	9204.985	0	10113.8	1.311307E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	3	4.4982E+07	10.17414	9131.72	0	10064.31	1.326422E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	4	4.4982E+07	10.16347	8976.449	0	9922.727	1.35945E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	5	4.4982E+07	10.16083	8938.349	0	9912.768	1.367767E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	6	4.4982E+07	10.15811	8899.437	0	9900.656	1.376351E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	7	4.4982E+07	10.15536	8860.172	0	9888.964	1.385106E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	8	4.4982E+07	10.15275	8823.096	0	9879.496	1.393462E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	9	4.4982E+07	10.15021	8787.164	0	9870.075	1.401639E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	10	4.4982E+07	10.14717	8744.253	0	9853.616	1.411514E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2017	11	4.4982E+07	10.14485	8711.701	0	9847.59	1.419083E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

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2018	0	4.4982E+07	10.14272	8682.015	0	9845.655	1.426047E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	1	4.4982E+07	10.14058	8652.215	0	9843.434	1.433099E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	2	4.4982E+07	10.13867	8625.601	0	9841.635	1.439444E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	3	4.4982E+07	10.13366	8556.464	0	9794.08	1.456152E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	4	4.4982E+07	10.12295	8410.515	0	9656.874	1.492528E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	5	4.4982E+07	10.12027	8374.314	0	9647.81	1.501788E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	6	4.4982E+07	10.11752	8337.374	0	9636.623	1.511339E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	7	4.4982E+07	10.11473	8300.091	0	9625.862	1.521084E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	8	4.4982E+07	10.11209	8264.86	0	9617.261	1.53039E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	9	4.4982E+07	10.10951	8230.723	0	9608.683	1.539504E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	10	4.4982E+07	10.10643	8190.036	0	9593.268	1.550483E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2018	11	4.4982E+07	10.10407	8159.069	0	9587.986	1.558927E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	0	4.4982E+07	10.10191	8130.772	0	9586.704	1.566715E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	1	4.4982E+07	10.09973	8102.371	0	9585.141	1.574597E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	2	4.4982E+07	10.09778	8077.006	0	9583.928	1.581691E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	3	4.4982E+07	10.09273	8011.778	0	9538.209	1.600194E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	4	4.4982E+07	10.08199	7874.653	0	9405.149	1.640305E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	5	4.4982E+07	10.07927	7840.252	0	9396.93	1.650635E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	6	4.4982E+07	10.07648	7805.18	0	9386.621	1.661282E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	7	4.4982E+07	10.07365	7769.772	0	9376.74	1.672152E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	8	4.4982E+07	10.07096	7736.291	0	9368.962	1.682538E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	9	4.4982E+07	10.06835	7703.851	0	9361.18	1.69271E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	10	4.4982E+07	10.06522	7665.267	0	9346.754	1.704943E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2019	11	4.4982E+07	10.06283	7635.802	0	9342.179	1.714383E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	0	4.4982E+07	10.06063	7608.822	0	9341.516	1.72311E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	1	4.4982E+07	10.05841	7581.747	0	9340.574	1.731939E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	2	4.4982E+07	10.05635	7556.701	0	9339.892	1.740178E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	3	4.4982E+07	10.05126	7495.185	0	9295.917	1.760697E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	4	4.4982E+07	10.04048	7366.44	0	9166.792	1.804994E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	5	4.4982E+07	10.03772	7333.748	0	9159.373	1.816545E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	6	4.4982E+07	10.03488	7300.445	0	9149.895	1.828439E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	7	4.4982E+07	10.03201	7266.817	0	9140.85	1.840588E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	8	4.4982E+07	10.02928	7234.993	0	9133.848	1.852208E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	9	4.4982E+07	10.02662	7204.163	0	9126.822	1.863586E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	10	4.4982E+07	10.02346	7167.577	0	9113.331	1.877243E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2020	11	4.4982E+07	10.02102	7139.535	0	9109.423	1.887824E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	0	4.4982E+07	10.01877	7113.803	0	9109.346	1.897626E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	1	4.4982E+07	10.01651	7087.985	0	9108.994	1.907546E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	2	4.4982E+07	10.01448	7064.922	0	9108.861	1.916481E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	3	4.4982E+07	10.00935	7006.905	0	9066.528	1.93928E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	4	4.4982E+07	9.998526	6886.062	0	8941.11	1.988271E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	5	4.4982E+07	9.99571	6854.981	0	8934.45	2.001214E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	6	4.4982E+07	9.992833	6823.354	0	8925.757	2.01453E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	7	4.4982E+07	9.989914	6791.406	0	8917.502	2.02813E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	8	4.4982E+07	9.987136	6761.15	0	8911.236	2.041158E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	9	4.4982E+07	9.984432	6731.842	0	8904.926	2.053918E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	10	4.4982E+07	9.981217	6697.143	0	8892.322	2.069193E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2021	11	4.4982E+07	9.978732	6670.446	0	8889.046	2.08108E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	0	4.4982E+07	9.976438	6645.895	0	8889.522	2.092116E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	1	4.4982E+07	9.974128	6621.266	0	8889.729	2.103283E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	2	4.4982E+07	9.972056	6599.261	0	8890.094	2.113349E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	3	4.4982E+07	9.966877	6544.562	0	8849.319	2.138729E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	4	4.4982E+07	9.956006	6431.21	0	8727.422	2.192995E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	5	4.4982E+07	9.953141	6401.658	0	8721.479	2.207524E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	6	4.4982E+07	9.950214	6371.614	0	8713.531	2.222466E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	7	4.4982E+07	9.947243	6341.261	0	8706.023	2.23774E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	8	4.4982E+07	9.944413	6312.488	0	8700.456	2.252382E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2022	9	4.4982E+07	9.94166	6284.622	0	8694.821	2.266721E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2022	10	4.4982E+07	9.938394	6251.708	0	8683.057	2.283851E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2022	11	4.4982E+07	9.935858	6226.286	0	8680.38	2.297238E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2023	0	4.4982E+07	9.933512	6202.852	0	8681.382	2.309694E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2023	1	4.4982E+07	9.931149	6179.348	0	8682.117	2.322304E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2023	2	4.4982E+07	9.929031	6158.346	0	8682.952	2.333669E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2023	3	4.4982E+07	9.9238	6106.789	0	8643.654	2.361976E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2023	4	4.4982E+07	9.912879	6000.53	0	8525.089	2.422188E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2023	5	4.4982E+07	9.909958	5972.424	0	8519.825	2.438551E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2023	6	4.4982E+07	9.906977	5943.881	0	8512.583	2.455365E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2023	7	4.4982E+07	9.903951	5915.035	0	8505.784	2.47255E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2023	8	4.4982E+07	9.901065	5887.667	0	8500.875	2.489051E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2023	9	4.4982E+07	9.898257	5861.166	0	8495.883	2.50521E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2023	10	4.4982E+07	9.894935	5829.943	0	8484.913	2.524469E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2023	11	4.4982E+07	9.892344	5805.728	0	8482.803	2.539586E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2024	0	4.4982E+07	9.889942	5783.352	0	8484.302	2.553686E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2024	1	4.4982E+07	9.887524	5760.914	0	8485.537	2.567962E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2024	2	4.4982E+07	9.885277	5740.146	0	8486.865	2.581295E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2024	3	4.4982E+07	9.879989	5691.572	0	8448.967	2.61295E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2024	4	4.4982E+07	9.869013	5592.05	0	8333.564	2.679896E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2024	5	4.4982E+07	9.866031	5565.317	0	8328.943	2.698379E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2024	6	4.4982E+07	9.862991	5538.196	0	8322.369	2.717349E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2024	7	4.4982E+07	9.859904	5510.78	0	8316.24	2.736753E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2024	8	4.4982E+07	9.856957	5484.745	0	8311.957	2.755404E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2024	9	4.4982E+07	9.854092	5459.538	0	8307.57	2.773665E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2024	10	4.4982E+07	9.850707	5429.919	0	8297.354	2.795387E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2024	11	4.4982E+07	9.848058	5406.849	0	8295.778	2.812509E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2025	0	4.4982E+07	9.845593	5385.476	0	8297.749	2.828529E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2025	1	4.4982E+07	9.843113	5364.048	0	8299.458	2.844747E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2025	2	4.4982E+07	9.840887	5344.896	0	8301.162	2.859379E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2025	3	4.4982E+07	9.835537	5299.135	0	8264.584	2.894858E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2025	4	4.4982E+07	9.8245	5205.963	0	8152.161	2.969444E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2025	5	4.4982E+07	9.821453	5180.527	0	8148.149	2.990371E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2025	6	4.4982E+07	9.818349	5154.752	0	8142.207	3.011844E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2025	7	4.4982E+07	9.815195	5128.688	0	8136.712	3.033817E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2025	8	4.4982E+07	9.812182	5103.913	0	8133.021	3.054957E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2025	9	4.4982E+07	9.809251	5079.928	0	8129.21	3.075669E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2025	10	4.4982E+07	9.805799	5051.826	0	8119.705	3.100234E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2025	11	4.4982E+07	9.803085	5029.837	0	8118.639	3.119689E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2026	0	4.4982E+07	9.800554	5009.413	0	8121.054	3.137942E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2026	1	4.4982E+07	9.798006	4988.94	0	8123.213	3.156426E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2026	2	4.4982E+07	9.795719	4970.639	0	8125.316	3.173108E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2026	3	4.4982E+07	9.790301	4927.544	0	8089.991	3.212981E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2026	4	4.4982E+07	9.779199	4840.394	0	7980.396	3.296263E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2026	5	4.4982E+07	9.776079	4816.186	0	7976.963	3.320049E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2026	6	4.4982E+07	9.772905	4791.684	0	7971.618	3.344425E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2026	7	4.4982E+07	9.769679	4766.899	0	7966.726	3.369387E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2026	8	4.4982E+07	9.766593	4743.317	0	7963.595	3.39344E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2026	9	4.4982E+07	9.763592	4720.491	0	7960.328	3.416995E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2026	10	4.4982E+07	9.760067	4693.825	0	7951.497	3.444868E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2026	11	4.4982E+07	9.757282	4672.86	0	7950.912	3.467051E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2027	0	4.4982E+07	9.754676	4653.334	0	7953.75	3.487941E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2027	1	4.4982E+07	9.752054	4633.766	0	7956.333	3.509081E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2027	2	4.4982E+07	9.749701	4616.27	0	7958.815	3.52817E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2027	3	4.4982E+07	9.744208	4575.701	0	7924.676	3.573116E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2027	4	4.4982E+07	9.733033	4494.25	0	7817.761	3.666346E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2027	5	4.4982E+07	9.729835	4471.205	0	7814.874	3.693476E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2027	6	4.4982E+07	9.726584	4447.909	0	7810.095	3.721249E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2027	7	4.4982E+07	9.723278	4424.336	0	7805.772	3.749716E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522

2027	8	4.4982E+07	9.720113	4401.883	0	7803.172	3.777172E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	9	4.4982E+07	9.717033	4380.154	0	7800.421	3.804077E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	10	4.4982E+07	9.713428	4354.847	0	7792.229	3.835816E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2027	11	4.4982E+07	9.710565	4334.852	0	7792.099	3.86122E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	0	4.4982E+07	9.707878	4316.177	0	7795.336	3.885203E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	1	4.4982E+07	9.705175	4297.464	0	7798.322	3.909481E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	2	4.4982E+07	9.702662	4280.135	0	7801.265	3.932199E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	3	4.4982E+07	9.697087	4241.964	0	7768.251	3.983046E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	4	4.4982E+07	9.685834	4165.928	0	7663.878	4.087709E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	5	4.4982E+07	9.682548	4143.985	0	7661.507	4.11879E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	6	4.4982E+07	9.679213	4121.833	0	7657.265	4.150572E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	7	4.4982E+07	9.675818	4099.41	0	7653.481	4.183169E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	8	4.4982E+07	9.672565	4078.028	0	7651.382	4.214661E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	9	4.4982E+07	9.6694	4057.34	0	7649.119	4.245512E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	10	4.4982E+07	9.665706	4033.322	0	7641.531	4.281819E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2028	11	4.4982E+07	9.662756	4014.247	0	7641.833	4.311029E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	0	4.4982E+07	9.659981	3996.377	0	7645.448	4.338693E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	1	4.4982E+07	9.657187	3978.478	0	7648.814	4.366717E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	2	4.4982E+07	9.654679	3962.469	0	7651.994	4.392034E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	3	4.4982E+07	9.649014	3926.558	0	7620.042	4.449756E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	4	4.4982E+07	9.637671	3855.627	0	7518.062	4.567626E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	5	4.4982E+07	9.63429	3834.726	0	7516.182	4.603368E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	6	4.4982E+07	9.630861	3813.655	0	7512.447	4.639889E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	7	4.4982E+07	9.627371	3792.318	0	7509.173	4.677368E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	8	4.4982E+07	9.62402	3771.949	0	7507.551	4.713636E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	9	4.4982E+07	9.620761	3752.243	0	7505.749	4.749174E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	10	4.4982E+07	9.616968	3729.445	0	7498.734	4.790872E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2029	11	4.4982E+07	9.613924	3711.238	0	7499.444	4.824605E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	0	4.4982E+07	9.611049	3694.131	0	7503.417	4.856685E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	1	4.4982E+07	9.608157	3677	0	7507.145	4.889162E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	2	4.4982E+07	9.605558	3661.674	0	7510.646	4.918535E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	3	4.4982E+07	9.599793	3627.907	0	7479.701	4.984327E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	4	4.4982E+07	9.588354	3561.815	0	7379.995	5.117493E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	5	4.4982E+07	9.584866	3541.901	0	7378.578	5.158807E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	6	4.4982E+07	9.581334	3521.854	0	7375.325	5.200969E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	7	4.4982E+07	9.577736	3501.545	0	7372.535	5.244283E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	8	4.4982E+07	9.574277	3482.135	0	7371.362	5.28626E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	9	4.4982E+07	9.570913	3463.359	0	7369.998	5.327402E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	10	4.4982E+07	9.567013	3441.715	0	7363.525	5.375513E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2030	11	4.4982E+07	9.563862	3424.332	0	7364.623	5.414695E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	0	4.4982E+07	9.560878	3407.947	0	7368.935	5.452065E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	1	4.4982E+07	9.557876	3391.542	0	7373.004	5.489922E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	2	4.4982E+07	9.555177	3376.864	0	7376.809	5.52418E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	3	4.4982E+07	9.549301	3345.127	0	7346.817	5.5995E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	4	4.4982E+07	9.537754	3283.616	0	7249.265	5.75053E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	5	4.4982E+07	9.534147	3264.637	0	7248.287	5.798535E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	6	4.4982E+07	9.5305	3245.559	0	7245.489	5.84748E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	7	4.4982E+07	9.526783	3226.225	0	7243.156	5.897799E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	8	4.4982E+07	9.523205	3207.721	0	7242.411	5.946641E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	9	4.4982E+07	9.519724	3189.828	0	7241.461	5.994543E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	10	4.4982E+07	9.515702	3169.276	0	7235.501	6.050367E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2031	11	4.4982E+07	9.512434	3152.672	0	7236.965	6.096117E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	0	4.4982E+07	9.509327	3136.971	0	7241.599	6.13993E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	1	4.4982E+07	9.506202	3121.254	0	7245.991	6.184317E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	2	4.4982E+07	9.503292	3106.688	0	7250.23	6.225932E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	3	4.4982E+07	9.497293	3076.878	0	7221.143	6.312624E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	4	4.4982E+07	9.485625	3019.719	0	7125.634	6.484684E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	5	4.4982E+07	9.481886	3001.626	0	7125.072	6.540816E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2032	6	4.4982E+07	9.478111	2983.468	0	7122.705	6.59797E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	7	4.4982E+07	9.474259	2965.057	0	7120.805	6.656809E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	8	4.4982E+07	9.470546	2947.415	0	7120.463	6.714032E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	9	4.4982E+07	9.466935	2930.357	0	7119.904	6.770139E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	10	4.4982E+07	9.462777	2910.842	0	7114.43	6.835335E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2032	11	4.4982E+07	9.459377	2894.978	0	7116.24	6.889109E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	0	4.4982E+07	9.456133	2879.925	0	7121.178	6.940819E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	1	4.4982E+07	9.45287	2864.861	0	7125.875	6.993209E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	2	4.4982E+07	9.449935	2851.378	0	7130.242	7.040683E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	3	4.4982E+07	9.443796	2823.384	0	7102.007	7.141012E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	4	4.4982E+07	9.431993	2770.328	0	7008.421	7.337958E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	5	4.4982E+07	9.428105	2753.073	0	7008.253	7.403998E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	6	4.4982E+07	9.424186	2735.783	0	7006.294	7.47119E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	7	4.4982E+07	9.420184	2718.246	0	7004.804	7.540418E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	8	4.4982E+07	9.41632	2701.417	0	7004.845	7.607878E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	9	4.4982E+07	9.412562	2685.15	0	7004.657	7.674053E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	10	4.4982E+07	9.408252	2666.614	0	6999.644	7.750678E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2033	11	4.4982E+07	9.404703	2651.448	0	7001.782	7.814332E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	0	4.4982E+07	9.401305	2637.008	0	7007.008	7.875774E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	1	4.4982E+07	9.397888	2622.561	0	7011.995	7.938046E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	2	4.4982E+07	9.394812	2609.628	0	7016.62	7.994536E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	3	4.4982E+07	9.388516	2583.357	0	6989.195	8.111381E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	4	4.4982E+07	9.37656	2534.19	0	6897.437	8.33802E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	5	4.4982E+07	9.372505	2517.728	0	6897.641	8.416316E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	6	4.4982E+07	9.368423	2501.261	0	6896.069	8.495888E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	7	4.4982E+07	9.364251	2484.55	0	6894.968	8.577966E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	8	4.4982E+07	9.360217	2468.492	0	6895.37	8.658096E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	9	4.4982E+07	9.356294	2452.973	0	6895.535	8.736747E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	10	4.4982E+07	9.35181	2435.365	0	6890.957	8.827494E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2034	11	4.4982E+07	9.348094	2420.86	0	6893.406	8.903436E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	0	4.4982E+07	9.344522	2407	0	6898.904	8.977051E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	1	4.4982E+07	9.340928	2393.138	0	6904.167	9.051712E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	2	4.4982E+07	9.337692	2380.725	0	6909.036	9.119473E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	3	4.4982E+07	9.331219	2356.085	0	6882.378	9.256563E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	4	4.4982E+07	9.31909	2310.6	0	6792.351	9.518987E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	5	4.4982E+07	9.314845	2294.889	0	6792.907	9.612576E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	6	4.4982E+07	9.310577	2279.202	0	6791.701	9.707597E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	7	4.4982E+07	9.306213	2263.274	0	6790.968	9.805735E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	8	4.4982E+07	9.301985	2247.945	0	6791.713	9.901773E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	9	4.4982E+07	9.297873	2233.135	0	6792.211	9.99607E-04	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	10	4.4982E+07	9.293193	2216.404	0	6788.046	1.010447E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2035	11	4.4982E+07	9.289285	2202.526	0	6790.789	1.01959E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	0	4.4982E+07	9.285514	2189.216	0	6796.546	1.028491E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	1	4.4982E+07	9.281719	2175.906	0	6802.069	1.037526E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	2	4.4982E+07	9.278179	2163.561	0	6807.352	1.046026E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	3	4.4982E+07	9.271503	2140.47	0	6781.419	1.062245E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	4	4.4982E+07	9.259176	2098.483	0	6693.034	1.092859E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	5	4.4982E+07	9.254714	2083.484	0	6693.925	1.104157E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	6	4.4982E+07	9.250234	2068.535	0	6693.065	1.115619E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	7	4.4982E+07	9.245649	2053.35	0	6692.68	1.127469E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	8	4.4982E+07	9.241198	2038.714	0	6693.749	1.139098E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	9	4.4982E+07	9.236868	2024.575	0	6694.561	1.150522E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	10	4.4982E+07	9.231963	2008.678	0	6690.786	1.163602E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2036	11	4.4982E+07	9.227835	1995.394	0	6693.808	1.174728E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	0	4.4982E+07	9.223834	1982.605	0	6699.808	1.18561E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	1	4.4982E+07	9.219809	1969.82	0	6705.576	1.196662E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	2	4.4982E+07	9.216181	1958.367	0	6710.896	1.20671E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	3	4.4982E+07	9.20927	1936.737	0	6685.649	1.226086E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2037	4	4.4982E+07	9.196714	1898.047	0	6598.809	1.262085E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	5	4.4982E+07	9.192001	1883.722	0	6600.016	1.27587E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	6	4.4982E+07	9.187276	1869.471	0	6599.484	1.289842E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	7	4.4982E+07	9.182437	1854.988	0	6599.429	1.304309E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	8	4.4982E+07	9.177729	1841.005	0	6600.806	1.31854E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	9	4.4982E+07	9.173148	1827.502	0	6601.916	1.332534E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	10	4.4982E+07	9.167982	1812.391	0	6598.512	1.348496E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2037	11	4.4982E+07	9.1636	1799.669	0	6601.797	1.362185E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	0	4.4982E+07	9.159333	1787.372	0	6608.029	1.375647E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	1	4.4982E+07	9.155041	1775.083	0	6614.03	1.389325E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	2	4.4982E+07	9.15117	1764.073	0	6619.558	1.401777E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	3	4.4982E+07	9.143988	1743.826	0	6594.962	1.425175E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	4	4.4982E+07	9.131167	1708.262	0	6509.592	1.467916E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	5	4.4982E+07	9.126162	1694.575	0	6511.099	1.484951E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	6	4.4982E+07	9.121152	1680.985	0	6510.878	1.502196E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	7	4.4982E+07	9.116015	1667.166	0	6511.134	1.520086E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	8	4.4982E+07	9.111008	1653.803	0	6512.802	1.537733E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	9	4.4982E+07	9.106135	1640.901	0	6514.196	.0015551	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	10	4.4982E+07	9.100664	1626.536	0	6511.141	1.574835E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2038	11	4.4982E+07	9.095984	1614.346	0	6514.677	1.591916E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	0	4.4982E+07	9.091407	1602.515	0	6521.128	1.608798E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	1	4.4982E+07	9.086801	1590.695	0	6527.35	1.625969E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	2	4.4982E+07	9.082644	1580.103	0	6533.075	1.641624E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	3	4.4982E+07	9.075143	1561.167	0	6509.094	1.670251E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	4	4.4982E+07	9.062011	1528.563	0	6425.116	1.721579E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	5	4.4982E+07	9.056662	1515.479	0	6426.906	1.742936E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	6	4.4982E+07	9.051316	1502.516	0	6426.98	1.764543E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	7	4.4982E+07	9.04583	1489.326	0	6427.533	1.786998E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	8	4.4982E+07	9.040469	1476.548	0	6429.475	1.809215E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	9	4.4982E+07	9.035251	1464.216	0	6431.136	1.831107E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	10	4.4982E+07	9.029419	1450.556	0	6428.415	1.855886E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2039	11	4.4982E+07	9.024385	1438.869	0	6432.186	1.877543E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	0	4.4982E+07	9.019442	1427.48	0	6438.845	1.89906E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	1	4.4982E+07	9.014463	1416.105	0	6445.276	1.920976E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	2	4.4982E+07	9.009807	1405.545	0	6451.397	1.941705E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	3	4.4982E+07	9.001925	1387.855	0	6428.001	1.977299E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	4	4.4982E+07	8.988423	1358.061	0	6345.343	2.039802E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	5	4.4982E+07	8.982665	1345.55	0	6347.401	2.067055E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	6	4.4982E+07	8.976918	1333.181	0	6347.752	2.094617E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	7	4.4982E+07	8.971013	1320.587	0	6348.585	2.123321E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	8	4.4982E+07	8.965228	1308.366	0	6350.788	2.151822E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	9	4.4982E+07	8.959595	1296.574	0	6352.702	2.179944E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	10	4.4982E+07	8.95333	1283.584	0	6350.293	2.21165E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2040	11	4.4982E+07	8.947872	1272.375	0	6354.288	2.239648E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	0	4.4982E+07	8.942485	1261.404	0	6361.143	2.267631E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	1	4.4982E+07	8.937058	1250.451	0	6367.771	2.296171E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	2	4.4982E+07	8.932153	1240.631	0	6373.857	2.322281E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	3	4.4982E+07	8.923814	1224.114	0	6351.012	2.367348E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	4	4.4982E+07	8.909862	1196.971	0	6269.594	2.444715E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	5	4.4982E+07	8.903608	1185.001	0	6271.907	2.480206E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	6	4.4982E+07	8.897377	1173.193	0	6272.522	2.516085E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	7	4.4982E+07	8.890965	1161.163	0	6273.62	2.553549E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	8	4.4982E+07	8.884665	1149.468	0	6276.07	2.590894E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	9	4.4982E+07	8.878529	1138.186	0	6278.224	2.627802E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	10	4.4982E+07	8.871737	1125.829	0	6276.112	2.669264E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2041	11	4.4982E+07	8.865763	1115.071	0	6280.32	2.706271E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	0	4.4982E+07	8.859834	1104.496	0	6287.361	2.743508E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2042	1	4.4982E+07	8.85386	1093.942	0	6294.176	2.781544E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2042	2	4.4982E+07	8.848453	1084.476	0	6300.43	2.816428E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2042	3	4.4982E+07	8.839551	1069.072	0	6278.108	2.87481E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2042	4	4.4982E+07	8.825048	1044.441	0	6197.872	2.97253E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2042	5	4.4982E+07	8.818185	1032.984	0	6200.425	3.019929E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2042	6	4.4982E+07	8.811356	1021.707	0	6201.29	3.067841E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2042	7	4.4982E+07	8.804316	1010.211	0	6202.639	3.118027E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2042	8	4.4982E+07	8.79738	999.0134	0	6205.323	3.168268E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2042	9	4.4982E+07	8.790618	988.2151	0	6207.705	3.218038E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2042	10	4.4982E+07	8.783171	976.4567	0	6205.875	3.273753E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2042	11	4.4982E+07	8.776552	966.1261	0	6210.283	3.324076E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2043	0	4.4982E+07	8.769949	955.9261	0	6217.5	3.375055E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2043	1	4.4982E+07	8.763288	945.7488	0	6224.493	3.427267E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2043	2	4.4982E+07	8.757254	936.6196	0	6230.905	3.475272E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2043	3	4.4982E+07	8.747647	922.2693	0	6209.078	3.553079E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2043	4	4.4982E+07	8.73245	900.0169	0	6129.96	3.679737E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2043	5	4.4982E+07	8.724818	889.0443	0	6132.742	3.745042E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2043	6	4.4982E+07	8.717233	878.2706	0	6133.844	3.811095E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2043	7	4.4982E+07	8.709397	867.2809	0	6135.43	3.880548E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2043	8	4.4982E+07	8.701654	856.5541	0	6138.336	3.950424E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2043	9	4.4982E+07	8.694098	846.2134	0	6140.933	4.019834E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2043	10	4.4982E+07	8.685814	835.0223	0	6139.369	4.097322E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2043	11	4.4982E+07	8.678373	825.0961	0	6143.968	4.168195E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2044	0	4.4982E+07	8.670904	815.251	0	6151.352	4.240574E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2044	1	4.4982E+07	8.663364	805.4311	0	6158.513	4.314912E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2044	2	4.4982E+07	8.656275	796.3064	0	6165.308	4.386001E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2044	3	4.4982E+07	8.645756	782.9569	0	6143.951	4.493639E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2044	4	4.4982E+07	8.629662	762.9634	0	6065.894	4.663463E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2044	5	4.4982E+07	8.621029	752.4512	0	6068.89	4.757183E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2044	6	4.4982E+07	8.612456	742.1548	0	6070.215	4.852114E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2044	7	4.4982E+07	8.603582	731.6451	0	6072.026	4.952378E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2044	8	4.4982E+07	8.594778	721.3655	0	6075.141	5.053903E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2044	9	4.4982E+07	8.586175	711.459	0	6077.94	5.155118E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2044	10	4.4982E+07	8.576788	700.8062	0	6076.628	5.26787E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2044	11	4.4982E+07	8.568257	691.264	0	6081.407	5.372472E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2045	0	4.4982E+07	8.55964	681.7557	0	6088.948	5.480248E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2045	1	4.4982E+07	8.550926	672.2748	0	6096.268	5.591427E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2045	2	4.4982E+07	8.543001	663.7661	0	6102.97	.0056945	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2045	3	4.4982E+07	8.531261	651.3598	0	6082.055	5.850689E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2045	4	4.4982E+07	8.513961	633.4971	0	6004.995	6.088705E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2045	5	4.4982E+07	8.503983	623.4199	0	6008.197	6.230348E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2045	6	4.4982E+07	8.49408	613.5746	0	6009.733	6.374206E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2045	7	4.4982E+07	8.483797	603.518	0	6011.757	6.527079E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2045	8	4.4982E+07	8.473551	593.6608	0	6015.071	6.683061E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2045	9	4.4982E+07	8.463517	584.1646	0	6018.063	6.839416E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2045	10	4.4982E+07	8.452618	574.0201	0	6016.991	7.013415E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2045	11	4.4982E+07	8.442587	564.8408	0	6021.939	7.177452E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2046	0	4.4982E+07	8.432381	555.6505	0	6029.631	7.348297E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2046	1	4.4982E+07	8.422037	546.4899	0	6037.101	7.525591E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2046	2	4.4982E+07	8.412603	538.2665	0	6043.937	7.691017E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2046	3	4.4982E+07	8.399152	526.7545	0	6023.443	7.933208E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2046	4	4.4982E+07	8.38015	510.9107	0	5947.333	8.288383E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2046	5	4.4982E+07	8.368267	501.2452	0	5950.728	8.518525E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2046	6	4.4982E+07	8.356464	491.8271	0	5952.466	8.753443E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2046	7	4.4982E+07	8.344165	482.1997	0	5954.692	9.005146E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2046	8	4.4982E+07	8.331841	472.7424	0	5958.193	9.264615E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2046	9	4.4982E+07	8.319736	463.6345	0	5961.368	9.526723E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2046	10	4.4982E+07	8.306631	453.9716	0	5960.522	9.818883E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522
2046	11	4.4982E+07	8.294401	445.1356	0	5965.633	.0100996	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522

2047	0	4.4982E+07	8.281851	436.2465	0	5973.466	1.039602E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	1	4.4982E+07	8.269088	427.3892	0	5981.079	1.070639E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	2	4.4982E+07	8.257401	419.436	0	5988.042	1.099871E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	3	4.4982E+07	8.241375	408.7707	0	5967.945	1.141257E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	4	4.4982E+07	8.219799	394.8387	0	5892.735	1.199447E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	5	4.4982E+07	8.205008	385.5631	0	5896.313	1.241044E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	6	4.4982E+07	8.190289	376.5492	0	5898.242	1.283867E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	7	4.4982E+07	8.174863	367.3282	0	5900.658	1.330338E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	8	4.4982E+07	8.159292	358.2497	0	5904.338	1.378949E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	9	4.4982E+07	8.143924	349.5096	0	5907.686	1.428671E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	10	4.4982E+07	8.127314	340.3025	0	5907.055	1.484427E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2047	11	4.4982E+07	8.111555	331.7916	0	5912.318	1.539335E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	0	4.4982E+07	8.095207	323.1877	0	5920.285	1.598444E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	1	4.4982E+07	8.078485	314.6176	0	5928.033	1.661253E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	2	4.4982E+07	8.062517	306.646	0	5935.369	1.723535E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	3	4.4982E+07	8.042181	296.7852	0	5915.65	1.806245E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	4	4.4982E+07	8.016246	284.6686	0	5841.292	.0191751	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	5	4.4982E+07	7.99647	275.7631	0	5845.044	2.006935E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	6	4.4982E+07	7.976687	267.1331	0	5847.151	2.100563E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	7	4.4982E+07	7.95576	258.2978	0	5849.748	2.204368E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	8	4.4982E+07	7.934394	249.5787	0	5853.596	.0231564	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	9	4.4982E+07	7.913116	241.1876	0	5857.107	.0243204	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	10	4.4982E+07	7.890059	232.4132	0	5856.677	2.564787E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2048	11	4.4982E+07	7.867703	224.211	0	5862.084	2.700406E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	0	4.4982E+07	7.844138	215.8778	0	5870.178	2.851136E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	1	4.4982E+07	7.81975	207.5801	0	5878.053	3.015989E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	2	4.4982E+07	7.796996	200.1257	0	5885.25	.0317839	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	3	4.4982E+07	7.768031	191.023	0	5865.886	3.397822E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	4	4.4982E+07	7.733186	180.6192	0	5792.33	3.681971E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	5	4.4982E+07	7.702991	172.0632	0	5796.246	3.947347E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	6	4.4982E+07	7.672353	163.7957	0	5798.523	4.236178E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	7	4.4982E+07	7.639313	155.3247	0	5801.292	4.571379E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	8	4.4982E+07	7.604806	146.945	0	5805.299	4.949816E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	9	4.4982E+07	7.569701	138.8836	0	5808.965	5.366973E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	10	4.4982E+07	7.531046	130.5179	0	5808.728	5.867091E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2049	11	4.4982E+07	7.492143	122.6071	0	5814.273	6.417487E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	0	4.4982E+07	7.449739	114.5295	0	5822.486	7.076387E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	1	4.4982E+07	7.40445	106.4893	0	5830.483	7.854986E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	2	4.4982E+07	7.360734	99.26421	0	5837.788	8.687696E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	3	4.4982E+07	7.30583	90.88024	0	5818.762	9.859706E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	4	4.4982E+07	7.242605	82.09904	0	5745.969	.114065	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	5	4.4982E+07	7.176921	73.87392	0	5750.041	.1327094	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	6	4.4982E+07	7.106322	65.94967	0	5752.479	.1561607	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	7	4.4982E+07	7.024505	57.82355	0	5755.41	.1885689	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	8	4.4982E+07	6.931128	49.76534	0	5759.569	.233852	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	9	4.4982E+07	6.825811	42.01612	0	5763.382	.2981008	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	10	4.4982E+07	6.694778	34.03729	0	5763.327	.4032061	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2050	11	4.4982E+07	6.536741	26.40251	0	5769.001	.5803932	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	0	4.4982E+07	6.317682	18.56702	0	5777.329	.9616132	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	1	4.4982E+07	5.978849	10.77052	0	5785.44	2.099772	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	2	4.4982E+07	5.324477	3.762573	0	5792.847	9.488515	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	3	4.4982E+07	9.073345	0	3.940903	5774.142	1.677186E-03	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	4	4.4982E+07	7.814824	0	11.1857	5702.071	3.050429E-02	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	5	4.4982E+07	7.169512	0	19.09747	5706.29	.1349953	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	6	4.4982E+07	6.765394	0	26.69673	5708.883	.3426417	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	7	4.4982E+07	6.456189	0	34.49625	5711.967	.6988026	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	8	4.4982E+07	6.211588	0	42.25013	5716.269	1.228004	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	9	4.4982E+07	6.015585	0	49.70376	5720.221	1.929298	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

2051	10	4.4982E+07	5.843673	0	57.31624	5720.338	2.867368	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2051	11	4.4982E+07	5.69768	0	64.6897	5726.136	4.014414	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2052	0	4.4982E+07	5.563571	0	72.29601	5734.571	5.468464	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2052	1	4.4982E+07	5.443503	0	79.86172	5742.791	7.211955	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737

APPENDIX E.

MINEWALL Report Containing Input and Output Data for Island Copper Mine Pit (2 simulations)

Gradual Filling of Pit

*** MINEWALL 2.0 REPORT ***

ISLAND COPPER MINE -
BASELINE CASE: NATURAL FILLING

Printed on 04-09-1995 at 15:10:04

** INPUT DATA **

OPERATION:
Simulations were performed on a Monthly Basis:
Starting Month/Year is 1/ 1985
Ending Month/Year is 6/ 1995
CLOSURE:
Simulations were performed on a Monthly Basis:
Starting Month/Year is 7/ 1995
Ending Month/Year is 1/ 2055

Geochemical Parameters in this simulation were:

pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)

Geochemical/Rock Units and their physicochemical characteristics were:

Unit Name	Strongly Acid Co	Acid Consuming	Acid Producing	Strongly Acid Pr	In-Pit Waste Roc
Unit #	1	2	3	4	5
Rate - Control	1: TIME^[F]	1: TIME^[F]	1: TIME^[F]	1: TIME^[F]	1: TIME^[F]
- max 'd', m	.01	.01	.01	.01	.01
Years Exposed	5	5	5	5	5
Wall Area, m^2	467300	250400	834500	116800	3.1E+08
- %Area Sloping	25	25	25	25	0
- Slope Angle	60	60	60	60	0
Ratio Total/Wall	161	161	161	161	1
- %Flushed Reg	30	30	30	30	10
- %Flushed Per	5	5	5	5	5
- %Not Flushed	65	65	65	65	85
Reactive %S	1.5	5	5	10	10
React ppt CaCO3	190	300	120	80	80
Spec. Grav.	3	3	3	3	3
React Al (ppm)	20000	20000	20000	30000	30000
React Ca (ppm)	20000	20000	20000	30000	30000
React Cd (ppm)	1	1	1	3	3
React Cu (ppm)	600	600	600	600	600
React Zn (ppm)	200	200	200	900	900

For each Geochemical Unit, the FACTOR in the rate-control equation was:

Unit	1	2	3	4	5
Factor	-.1	-.1	-.1	-.1	-.1

Periodic, non-regular fracture flushing over an annual period was:

Time	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
1	1	1	1	1	1
2	1	1	1	1	1
3	1	1	1	1	1
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	1	1	1	1	1
11	1	1	1	1	1
12	1	1	1	1	1

The following rates are decreased to 0 % when the Units are submerged

For each Geochemical Unit, the following rate information was used:
UNIT # 1
Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
1	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
2	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
3	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
4	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
5	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
6	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
7	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071

8	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.0014
9	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.0014
10	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.0014
11	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.0014
12	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.0014

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093

UNIT # 2

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/
1	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.0012
2	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.0012
3	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.0012
4	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.0012
5	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.0012
6	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.0012
7	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.0012
8	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.0012
9	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.0012
10	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.0012
11	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.0012
12	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.0012

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691

UNIT # 3

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/
1	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027
2	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027
3	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027
4	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027
5	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027
6	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027
7	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027
8	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027
9	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027
10	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027
11	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027
12	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721

12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02

UNIT # 4

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
1	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
2	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
3	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
4	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
5	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
6	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
7	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
8	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
9	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
10	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
11	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
12	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02

UNIT # 5

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
1	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
2	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
3	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
4	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
5	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
6	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
7	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
8	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
9	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
10	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
11	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
12	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02

Rate Acceleration Factor for each Unit when NP was depleted was:

Unit # 1	1
Unit # 2	1
Unit # 3	1
Unit # 4	1
Unit # 5	1

Mine dimensions and distribution of Geochemical Units in the mine were:

* PIT DIM'S

Important Pts.	Elev. (masl)	Cum.Vol.(m^3)	Area (m^2)	Unit# 1 (Cum.%)	Unit# 2 (Cum.%)	Unit# 3 (Cum.%)	Unit# 4 (Cum.%)	Unit# 5 (Cum.%)
Top of Mine	400	2.867229E+08	2.458769E+07	100	100	100	100	100
Drain Level	304.8	2.867229E+08	2.458769E+07	95	95	95	95	95
Equil. Level	304.8	2.867229E+08	2.458769E+07	95	95	95	95	95
280.4	2.447867E+08	2.116863E+07	90	90	90	90	90	
231.6	1.713932E+08	1.521497E+07	80	80	80	80	80	
207.3	1.400377E+08	1.263228E+07	75	75	75	75	75	
158.5	8.661631E+07	8200398	65	65	65	65	65	
134.1	6.564806E+07	6424155	60	60	60	60	60	
109.7	4.872557E+07	4938580	55	55	55	55	55	
85.3	3.491008E+07	3681851	50	50	50	50	50	
61	2.368923E+07	2633728	45	45	45	45	45	
36.6	1.475111E+07	1764123	40	40	40	40	40	
12.2	8342741	1090870	35	35	35	35	35	
-12.2	4206031	607226	30	30	30	30	30	
-36.6	1955403	279047	25	25	25	25	25	
-61	791615	90513	20	20	20	20	20	
-85.3	185428	14566	15	15	15	15	15	
Bottom of Mine	-109.7	0	1000	10	10	10	10	10

Characteristics of the Layers during Operation (Mine Bottom) and During Closure (others), if selected, were:

LAYER NUMBER:	0	1
LAYER NAME:	Mine Bottom	Pit Water
FLOWS:...	0	
-Precip (%)	100	100
-Evap (%)	100	100
-Runoff (%)	100	100
-Sat Flow (%)	100	100
-Pump#1 (%)	100	100
-Pump#2 (%)	100	100

CHEM:...
-Mass Balance
-Set Value
-Equilibrium
-Kinetic
-Empirical

The geochemical control for each Parameter in each layer were:

The information used for each of the flows was:

* PIT PRECIP
* OPERATION

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	.0137	5	20	0	0	0	0	0	0	0
2	.0062	5	0	0	0	0	0	0	0	0
3	.00126	5	0	0	0	0	0	0	0	0
4	.00309	5	0	0	0	0	0	0	0	0
5	.00237	5	0	0	0	0	0	0	0	0
6	.00245	5	0	0	0	0	0	0	0	0
7	.000439	5	0	300	0	0	0	0	0	0
8	.00152	5	0	0	0	0	0	0	0	0
9	.00311	5	0	0	0	0	0	0	0	0
10	.00368	5	0	0	0	0	0	0	0	0
11	.0133	5	20	0	0	0	0	0	0	0
12	.0153	5	20	0	0	0	0	0	0	0

* CLOSURE

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	.000439	5	0	300	0	0	0	0	0	0
8	.00152	5	0	0	0	0	0	0	0	0
9	.00301	5	0	0	0	0	0	0	0	0
10	.00368	5	0	0	0	0	0	0	0	0
11	.0133	5	20	0	0	0	0	0	0	0
12	.0153	5	20	0	0	0	0	0	0	0
1	.0137	5	20	0	0	0	0	0	0	0
2	.0062	5	0	0	0	0	0	0	0	0
3	.00126	5	0	0	0	0	0	0	0	0
4	.00309	5	0	0	0	0	0	0	0	0
5	.00237	5	0	0	0	0	0	0	0	0
6	.00245	5	0	0	0	0	0	0	0	0

* PIT SATUR GW
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	1500	8	1200	0	200	.001	300	.001	.01	.01
2	1500	8	1200	0	200	.001	300	.001	.01	.01

3	1500	8	1200	0	200	.001	300	.001	.01	.01
4	1500	8	1200	0	200	.001	300	.001	.01	.01
5	1500	8	1200	0	200	.001	300	.001	.01	.01
6	1500	8	1200	0	200	.001	300	.001	.01	.01
7	1500	8	1200	0	200	.001	300	.001	.01	.01
8	1500	8	1200	0	200	.001	300	.001	.01	.01
9	1500	8	1200	0	200	.001	300	.001	.01	.01
10	1500	8	1200	0	200	.001	300	.001	.01	.01
11	1500	8	1200	0	200	.001	300	.001	.01	.01
12	1500	8	1200	0	200	.001	300	.001	.01	.01

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	1500	8	1200	0	200	.001	300	.001	.01	.01
8	1500	8	1200	0	200	.001	300	.001	.01	.01
9	1500	8	1200	0	200	.001	300	.001	.01	.01
10	1500	8	1200	0	200	.001	300	.001	.01	.01
11	1500	8	1200	0	200	.001	300	.001	.01	.01
12	1500	8	1200	0	200	.001	300	.001	.01	.01
1	1500	8	1200	0	200	.001	300	.001	.01	.01
2	1500	8	1200	0	200	.001	300	.001	.01	.01
3	1500	8	1200	0	200	.001	300	.001	.01	.01
4	1500	8	1200	0	200	.001	300	.001	.01	.01
5	1500	8	1200	0	200	.001	300	.001	.01	.01
6	1500	8	1200	0	200	.001	300	.001	.01	.01

* PIT RUNOFF
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	0	7	200	0	0	0	0	0	0	0
2	8269	7	200	0	0	0	0	0	0	0
3	0	7	200	0	0	0	0	0	0	0
4	0	7	200	0	0	0	0	0	0	0
5	187	7	200	0	0	0	0	0	0	0
6	0	7	200	0	0	0	0	0	0	0
7	0	7	200	0	0	0	0	0	0	0
8	339	7	200	0	0	0	0	0	0	0
9	0	7	200	0	0	0	0	0	0	0
10	0	7	200	0	0	0	0	0	0	0
11	0	7	200	0	0	0	0	0	0	0
12	0	7	200	0	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	0	7	200	0	0	0	0	0	0	0
8	339	7	200	0	0	0	0	0	0	0
9	0	7	200	0	0	0	0	0	0	0
10	0	7	200	0	0	0	0	0	0	0
11	0	7	200	0	0	0	0	0	0	0
12	0	7	200	0	0	0	0	0	0	0
1	0	7	200	0	0	0	0	0	0	0
2	8269	7	200	0	0	0	0	0	0	0
3	0	7	200	0	0	0	0	0	0	0
4	0	7	200	0	0	0	0	0	0	0
5	187	7	200	0	0	0	0	0	0	0
6	0	7	200	0	0	0	0	0	0	0

* PIT EVAP
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	-11361	5	0	0	0	0	0	0	0	0
2	0	5	0	0	0	0	0	0	0	0
3	-26	5	0	0	0	0	0	0	0	0
4	-3620	5	0	0	0	0	0	0	0	0
5	0	5	0	0	0	0	0	0	0	0
6	-4023	5	0	0	0	0	0	0	0	0
7	-3965	5	0	0	0	0	0	0	0	0
8	0	5	0	0	0	0	0	0	0	0
9	-3710	5	0	0	0	0	0	0	0	0
10	-7977	5	0	0	0	0	0	0	0	0
11	-17910	5	0	0	0	0	0	0	0	0
12	-16203	5	0	0	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	-3965	5	0	0	0	0	0	0	0	0
8	0	5	0	0	0	0	0	0	0	0
9	-3710	5	0	0	0	0	0	0	0	0
10	-7977	5	0	0	0	0	0	0	0	0
11	-17910	5	0	0	0	0	0	0	0	0
12	-16203	5	0	0	0	0	0	0	0	0

1	-11361	5	0	0	0	0	0	0	0
2	0	5	0	0	0	0	0	0	0
3	-26	5	0	0	0	0	0	0	0
4	-3620	5	0	0	0	0	0	0	0
5	0	5	0	0	0	0	0	0	0
6	-4023	5	0	0	0	0	0	0	0

* PIT PUMP #1
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0

* PIT PUMP #2
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/
1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/
7	320000	4	0	450	1570	35	310	.072	.73
8	320000	4	0	450	1570	35	310	.072	.73
9	310000	4	0	450	1570	35	310	.072	.73
10	320000	4	0	450	1570	35	310	.072	.73
11	320000	4	0	450	1570	35	310	.072	.73
12	320000	4	0	450	1570	35	310	.072	.73
1	320000	4	0	450	1570	35	310	.072	.73
2	289000	4	0	450	1570	35	310	.072	.73
3	320000	4	0	450	1570	35	310	.072	.73
4	310000	4	0	450	1570	35	310	.072	.73
5	320000	4	0	450	1570	35	310	.072	.73
6	310000	4	0	450	1570	35	310	.072	.73

During Operation, Pump #2 was adjusted to obtain no net accumulation of water

** SIMULATION RESULTS **

* OPERATION *

Non-cumulative Total Loadings and Flows Per Time Interval:

YEAR	Mnth	Flow(m^3/int)	pH(mg/int)	Alk(mg/int)	Aci(mg/int)	SO4(mg/int)	Al (mg/int)	Ca (mg/int)	Cd(mg/int)	Cu (mg/int)	Zn (mg/int)	1:S rem.(kg)	1:NPrem.(kg)	2:S rem.(kg)	2:NPrem.(kg)	3:S rem.(kg)	3:NPrem.(kg)	4:S rem.(kg)	4:NPrem.(kg)	5:S rem.(kg)	5:NPrem.(kg)	Pump #2(m^3/d)	Water Elev(m)
1985	1	2.006071E+07	1.010011E+11	9.25339E+11	1.698095E+11	2.163095E+11	1.369126E+09	1.365889E+11	232.500	4.487354E+07	1.409935E+08	4.158427E+07	5.322951E+08	7.554543E+07	4.531844E+08	2.507505E+08	6.005495E+08	7.00873E+07	5.502088E+07	9.243218E+08	7.256237E+08-2.006071E+07	-109.7	
1985	2	9672974	5.084713E+10	6.435859E+11	1.532602E+11	1.952601E+11	1.235694E+09	1.413757E+11	210000	4.050186E+07	1.272542E+08	4.157418E+07	5.322436E+08	7.554482E+07	4.531796E+08	2.507345E+08	6.004941E+08	7.008139E+07	5.500177E+07	9.242439E+08	7.253715E+08-9672974	-109.7	
1985	3	2150873	1.145186E+10	5.072741E+11	1.695352E+11	2.160352E+11	1.366914E+09	1.564487E+11	232.500	4.480483E+07	1.407695E+08	4.156302E+07	5.321866E+08	7.554414E+07	4.531742E+08	2.507169E+08	6.004328E+08	7.007486E+07	5.498062E+07	9.241577E+08	7.250926E+08-2150873	-109.7	
1985	4	4457758	2.296379E+10	4.514961E+11	1.333734E+11	1.783733E+11	1.116922E+09	1.364961E+11	225.000	3.510446E+07	1.105767E+08	4.155222E+07	5.321315E+08	7.55435E+07	4.531691E+08	2.506998E+08	6.003734E+08	7.006854E+07	5.496018E+07	9.240744E+08	7.24823E+08 -4457758	-109.7	
1985	5	3868603	2.008589E+10	4.710254E+11	1.377027E+11	1.842028E+11	1.153179E+09	1.409858E+11	232.500	3.624594E+07	1.141682E+08	4.154108E+07	5.320746E+08	7.554283E+07	4.531637E+08	2.506822E+08	6.003121E+08	7.006201E+07	5.493906E+07	9.239884E+08	7.245446E+08-3868603	-109.7	
1985	6	3477321	1.80616E+10	4.512004E+11	1.331561E+11	1.78156E+11	1.115102E+09	1.363838E+11	232.500	3.505091E+07	1.104003E+08	4.153063E+07	5.320196E+08	7.554218E+07	4.531585E+08	2.506651E+08	6.002529E+08	7.00557E+07	5.491865E+07	9.239052E+08	7.242754E+08-3477321	-109.7	
1985	7	532982.8	3.362414E+09	4.660851E+11	3.382486E+11	1.839803E+11	1.151316E+09	1.408707E+11	232.500	3.619115E+07	1.139874E+08	4.151918E+07	5.319628E+08	7.554152E+07	4.531532E+08	2.506475E+08	6.001917E+08	7.004919E+07	5.489757E+07	9.238193E+08	7.239974E+08-532982.8	-109.7	
1985	8	2591680	1.373997E+10	4.743579E+11	1.37367E+11	1.838671E+11	1.150369E+09	1.408121E+11	232.500	3.616321E+07	1.138955E+08	4.150805E+07	5.31906E+08	7.554086E+07	4.531479E+08	2.506299E+08	6.001306E+08	7.004268E+07	5.487651E+07	9.237334E+08	7.237196E+08-2591680	-109.7	
1985	9	4479163	2.307081E+10	4.50762E+11	1.32834E+11	1.778339E+11	1.112407E+09	1.362171E+11	225.000	3.497155E+07	1.101387E+08	4.149731E+07	5.318511E+08	7.554021E+07	4.531427E+08	2.506129E+08	6.000714E+08	7.003638E+07	5.485614E+07	9.236504E+08	7.234511E+08-4479163	-109.7	
1985	10	5100567	2.620033E+10	7.448469E+11	3.546251E+11	4.011251E+11	2.606181E+09	2.462911E+11	232.500	9.461881E+07	2.954932E+08	4.148621E+07	5.317944E+08	7.553955E+07	4.531374E+08	2.505954E+08	6.000104E+08	7.002989E+07	5.483512E+07	9.235647E+08	7.231738E+08-5100567	-109.7	
1985	11	1.823408E+07	9.184538E+10	8.81917E+11	1.63017E+11	2.08017E+11	1.31436E+09	1.508652E+11	225.000	4.309653E+07	1.353716E+08	4.147548E+07	5.317396E+08	7.55389E+07	4.531323E+08	2.505784E+08	5.999514E+08	7.002361E+07	5.481479E+07	9.234819E+08	7.229056E+08-1.823408E+07	-109.7	
1986	0	2.20495E+07	1.10945E+11	9.721105E+11	1.683163E+11	2.148162E+11	1.357088E+09	1.558254E+11	232.500	4.44994E+07	1.397743E+08	4.14644E+07	5.316831E+08	7.553824E+07	4.53127E+08	2.5056E+08	5.998905E+08	7.001712E+07	5.47938E+07	9.233963E+08	7.226287E+08-2.20495E+07	-109.7	
1986	1	2.006071E+07	1.010011E+11	9.212407E+11	1.667658E+11	2.132657E+11	1.344589E+09	1.550324E+11	232.500	4.411087E+07	1.38506E+08	4.145341E+07	5.31627E+08	7.553758E+07	4.531217E+08	2.505434E+08	5.998301E+08	7.00107E+07	5.4773E+07	9.233116E+08	7.223544E+08-2.006071E+07	-109.7	
1986	2	9672974	5.084713E+10	6.399123E+11	1.505319E+11	1.925317E+11	1.2137E+09	1.399805E+11	210000	3.981822E+07	1.250263E+08	4.14435E+07	5.315764E+08	7.553699E+07	4.53117E+08	2.505278E+08	5.997756E+08	7.00049E+07	5.475422E+07	9.23235E+08	7.221069E+08-9672974	-109.7	
1986	3	2150873	1.145186E+10	5.032419E+11	1.665407E+11	2.130406E+11	1.342774E+09	1.549173E+11	232.500	4.405447E+07	1.383242E+08	4.143254E+07	5.315204E+08	7.553634E+07	4.531117E+08	2.505104E+08	5.997152E+08	6.999847E+07	5.473344E+07	9.231504E+08	7.218833E+08 -2150873	-109.7	
1986	4	4457758	2.296379E+10	4.483134E+11	1.310345E+11	1.760345E+11	1.09734E+09	1.352861E+11	225.000	3.452832E+07	1.086772E+08	4.142194E+07	5.314663E+08	7.55357E+07	4.531066E+08	2.504936E+08	5.996569E+08	6.999226E+07	5.471336E+07	9.230685E+08	7.21568E+08 -4457758	-109.7	
1986	5	3868603	2.008689E+10	4.677643E+11	1.353064E+11	1.818064E+11	1.133116E+09	1.397461E+11	232.500	3.565563E+07	1.122219E+08	4.141099E+07	5.314104E+08	7.553505E+07	4.531014E+08	2.504763E+08	5.995967E+08	6.998586E+07	5.469261E+07	9.22984E+08	7.212944E+08-3868603	-109.7	
1986	6	3477321	1.80616E+10	4.480696E+11	1.308554E+11	1.758554E+11	1.09584E+09	1.351936E+11	225.000	3.44842E+07	1.085317E+08	4.14004E+07	5.313564E+08	7.553441E+07	4.530963E+08	2.504595E+08	5.995385E+08	6.997966E+07	5.467255E+07	9.229021E+08	7.210298E+08-3477321	-109.7	
1986	7	532982.8	3.362414E+09	4.628768E+11	3.358911E+11	1.816228E+11	1.131578E+09	1.396512E+11	232.500	3.56104E+07	1.120727E+08	4.138947E+07	5.313005E+08	7.553375E+07	4.530911E+08	2.504422E+08	5.994784E+08	6.997326E+07	5.465184E+07	9.228177E+08	7.207567E+08-532982.8	-109.7	
1986	8	2591680	1.373997E+10	4.711563E+11	1.350291E+11	1.815291E+11	1.130793E+09	1.396026E+11	232.500	3.55873E+07	1.119966E+08	4.137854E+07	5.312447E+08	7.55331E+07	4.530859E+08	2.504249E+08	5.994182E+08	6.996686E+07	5.463113E+07	9.227333E+08	7.204836E+08-2591680	-109.7	
1986	9	4479163	2.307081E+10	4.477071E+11	1.305889E+11	1.755889E+11	1.093608E+09	1.350558E+11	225.000	3.441855E+07	1.083152E+08	4.136797E+07	5.311908E+08	7.553246E+07	4.530808E+08	2.504082E+08	5.993601E+08	6.996067E+07	5.461111E+07	9.226517E+08	7.202196E+08-4479163	-109.7	
1986	10	5100567	2.620033E+10	7.369273E+11	3.485945E+11	3.950945E+11	2.561917E+09	2.432898E+11	232.500	9.30479E+07	2.90507E+08	4.135706E+07	5.311351E+08	7.553182E+07	4.530756E+08	2.50391E+08	5.993002E+08	6.995429E+07	5.459044E+07	9.225674E+08	7.199471E+08-5100567	-109.7	
1986	11	1.823408E+07	9.184538E+10	8.782596E+11	1.603008E+11	2.053008E+11	1.292464E+09	1.494763E+11	225.000	4.241598E+07	1.331536E+08	4.13465E+07	5.310812E+08	7.553118E+07	4.530705E+08	2.503742E+08	5.992422E+08	6.99481E+07	5.457044E+07	9.22486E+08	7.196834E+08-1.823408E+07	-109.7	
1987	0	2.20495E+07	1.10945E+11	9.683617E+11	1.655523E+11	2.120323E+11	1.334646E+09	1.544016E+11	232.500	4.380184E+07	1.375007E+08	4.13356E+07	5.310256E+08	7.553053E+07	4.530652E+08	2.50357E+08	5.991822E+08	6.994173E+07	5.45498E+07	9.224018E+08	7.194111E+08-2.20495E+07	-109.7	
1987	1	2.006071E+07	1.010011E+11	9.178288E+11	1.642317E+11	2.107318E+11	1.324162E+09	1.537366E+11	232.500	4.347596E+07	1.364387E+08	4.132479E+07	5.309704E+08	7.552989E+07	4.530601E+08	2.503399E+08	5.991228E+08	6.99354E+07	5.452932E+07	9.223184E+08	7.191409E+08-2.006071E+07	-109.7	
1987	2	9672974	5.084713E+10	6.368501E+11	1.482578E+11	1.902578E+11	1.195367E+09	1.388177E+11	210000	3.924842E+07	1.231692E+08	4.131503E+07	5.309206E+08	7.55293E+07	4.530554E+08	2.503245E+08	5.990691E+08	6.992968E+07	5.451082E+07	9.22243E+08	7.18897E+08 -9672974	-109.7	
1987	3	2150873	1.145186E+10	4.998768E+11	1.640414E+11	2.105414E+11	1.322625E+09	1.536392E+11	232.500	4.342822E+07	1.362832E+08	4.130422E+07	5.308654E+08	7.552866E+07	4.530503E+08	2.503074E+08	5.990098E+08	6.992336E+07	5.449036E+07	9.221597E+08	7.186271E+08-2150873	-109.7	
1987	4	4457758	2.296379E+10	4.456539E+11	1.290802E+11	1.7408E+11	1.080977E+09	1.342752E+11	225.000	3.40469E+07	1.070899E+08	4.129378E+07	5.308121E+08	7.552804E+07	4.530452E+08	2.502908E+08	5.989523E+08	6.991725E+07	5.447058E+07	9.220791E+08	7.183661E+08-4457758	-109.7	
1987	5	3868603	2.008689E+10	4.650359E+11	1.333016E+11	1.798015E+11	1.116328E+09	1.387089E+11	232.500	3.516178E+07	1.105934E+08	4.128298E+07	5.307571E+08	7.552739E+07	4.530401E+08	2.502738E+08	5.98893E+08	6.991093E+07	5.445014E+07	9.219958E+08	7.180966E+08-3868603	-109.7	
1987	6	3477321	1.80616E+10	4.454471E+11	1.289281E+11	1.739281E+11	1.079705E+09	1.341966E+11	225.000	3.400946E+07	1.069664E+08	4.127255E+07	5.307038E+08	7.552678E+07	4.530351E+08	2.502573E+08	5.988356E+08	6.990482E+07	5.443037E+07	9.219153E+08	7.17896E+08 -3477321	-109.7	
1987	7	532982.8	3.362414E+09	4.601863E+11	3.339138E+11	1.796454E+11	1.115023E+09	1.386283E+11	232.500	3.512332E+07	1.104667E+08	4.126178E+07	5.306488E+08	7.552613E+07	4.530299E+08	2.502402E+08	5.987764E+08	6.989851E+07	5.440996E+07	9.218321E+08	7.175667E+08-532982.8	-109.7	
1987	8	2591680	1.373997E+10	4.684848E+11	1.330656E+11	1.795657E+11	1.114356E+09	1.38587E+11	232.500	3.510369E+07	1.104019E+08	4.125101E+07	5.305938E+08	7.552548E+07	4.530248E+08	2.502232E+08	5.987171E+08	6.989221E+07	5.438956E+07	9.217489E+08	7.172977E+08-2591680	-109.7	
1987	9	4479163	2.307081E+10	4.451385E+11	1.287015E+11	1.737014E+11	1.077805E+09	1.340793E+11	225.000	3.395339E+07	1.067822E+08	4.12406E+07	5.305406E+08	7.552486E+07	4.530198E+08	2.502067E+08	5.986598E+08	6.98861E+07	5.436983E+07	9.216685E+08	7.170374E+08-4479163	-109.7	
1987	10	5100567	2.620033E+10	7.302756E+11	3.435295E+11	3.900294E+11	2.524735E+09	2.407691E+11	232.500	9.172918E+07	2.863193E+08	4.122984E+07	5.304857E+08	7.552422E+07	4.530146E+08	2.501897E+08	5.986006E+08	6.987981E+07	5.434946E+07	9.215854E+08	7.167687E+08-5100567	-109.7	
1987	11	1.823408E+07	9.184538E+10	8.751778E+11	1.580119E+11	2.030122E+11	1.274015E+09	1.483059E+11	225.000	4.184251E+07	1.312847E+08	4.121944E+07	5.304326E+08	7.552359E+07	4.530097E+08	2.501732E+08	5.985434E+08	6.987371E+07	5.432975E+07	9.215051E+08	7.165088E+08-1.823408E+07	-109.7	
1988	0	2.20495E+07	1.10945E+11	9.651994E+11	1.631835E+11	2.096836E+11	1.315711E+09	1.552005E+11	232.500	4.321332E+07	1.355828E+08	4.12087E+07	5.303777E+08	7.552295E+07	4.530046E+08	2.501562E+08	5.984844E+08	6.986742E+07	5.430939E+07	9.214221E+08	7.162404E+08-2.20495E+07	-109.7	
1988	1	2.006071E+07	1.010011E+11	9.149124E+11	1.62066E+11	2.085659E+11	1.306702E+09	1.526289E+11	232.500	4.293328E+07	1.346701E+08	4.119803E+07	5.303233E+08	7.552231E+07	4.529994E+08	2.501393E+08	5.984257E+08	6.986118E+07	5.428918E+07	9.213397E+08	7.159738E+08-2.006071E+07	-109.7	
1988	2	1.001844E+07	5.266309E+10	6.368822E+11	1.515381E+11	1.95038E+11	1.221817E+09	1.42745E+11	217500	4.014533E+07	1.259228E+08	4.118805E+07	5.302723E+08	7.552171E+07	4.529947E+08	2.501236E+08	5.983709E+08	6.985534E+07	5.427028E+07	9.212627E+08	7.157245E+08-1.001844E+07	-109.7	
1988	3	2150873	1.145186E+10	4.969951E+11	1.619012E+11	2.084014E+11	1.305375E+09	1.525447E+11	232.500	4.289204E+07	1.345355E+08	4.117739E+07	5.302179E+08	7.552108E+07	4.529895E+08	2.501067E+08	5.983123E+08	6.98491E+07	5.425008E+07	9.211804E+08	7.154582E+08-2150873	-109.7	
1988	4	4457758	2.296379E+10	4.433744E+11	1.274052E+11	1.724052E+11	1.066953E+09	1.334087E+11	225.000	3.36343E+07	1.057294E+08	4.116708E+07	5.301652E+08	7.552046E+07	4.529846E+08	2.500904E+08	5.982556E+08	6.984306E+07	5.423055E+07	9.211009E+08	7.152006E+08-4457758	-109.7	
1988	5	3868603	2.008689E+10	4.626954E+11	1.315815E+11	1.780815E+11	1.101929E+09	1.378192E+11	232.500	3.473807E+07	1.091964E+08	4.115643E+07	5.301109E+08	7.551982E+07	4.529795E+08	2.500735E+08	5.98197E+08	6.983683E+07	5.421038E+07	9.210186E+08	7.149345E+08-3868603	-109.7	
1988	6	3477321	1.80616E+10	4.431954E+11	1.272734E+11	1.722734E+11	1.065849E+09	1.333405E+11	225.000	3.360181E+07	1.056223E+08	4.114613E+07	5.300583E+08	7.55192E+07	4.529746E+08	2.500572E+08	5.981404E+08	6.98308E+07	5.419086E+07	9.209392E+08	7.146772E+08-3477321	-109.7	
1988	7	532982.8	3.362414E+09	4.578736E+11	3.322145E+11	1.779462E+11	1.100795E+09	1.377492E+11	232.500	3.470473E+07	1.090865E+08	4.113549E+07	5.30004E+08	7.551856E+07	4.529695E+08	2.500404E+08	5.980819E+08	6.982458E+07	5.417072E+07	9.208571E+08	7.144115E+08-532982.8	-109.7	
1988	8	2591680	1.373997E+10	4.661867E+11	1.31377E+11	1.778769E+11	1.100215E+09	1.377134E+11	232.500	3.468767E+07	1.090302E+08	4.112486E+07	5.299497E+08	7.551792E+07	4.529644E+08	2.500236E+08	5.980234E+08	6.981835E+07	5.415058E+07	9.20775E+08	7.141459E+08-2591680	-109.7	
1988	9	4479163	2.307081E+10	4.429272E+11	1.270764E+11	1.720765E+11	1.064201E+09	1.332387E+11	225.000	3.355335E+07	1.054625E+08	4.111457E+07	5.298972E+08	7.55173E+07	4.529595E+08	2.500073E+08	5.979668E+08	6.981234E+07	5.41311E+07	9.206956E+08	7.13889E+08 -4479163	-109.7	
1988	10	5100567	2.620033E+10	7.245533E+11	3.391725E+11	3.856725E+11	2.492743E+09	2.386005E+11	232.500	9.05949E+07	2.827169E+08	4.110394E+07	5.29843E+08	7.551666E+07	4.529545E+08	2.499905E+08	5.979084E+08	6.980611E+07	5.411098E+07	9.206136E+08	7.136236E+08-5100567	-109.7	
1988	11	1.823408E+07	9.184538E+10	8.725203E+11	1.560382E+11	2.010382E+11	1.258104E+09	1.472965E+11	225.000	4.134793E+07	1.296728E+08	4.109367E+07	5.297906E+08	7.551605E+07	4.529496E+08	2.499743E+08	5.978518E+08	6.98001E+07	5.409152E+07	9.205343E+08	7.13367E+08 -1.823408E+07	-109.7	
1989	0	2.20495E+07	1.10945E+11	9.624696E+11	1.611562E+11	2.076562E+11	1.299369E+09	1.521638E+11	232.500	4.270534E+07	1.339272E+08	4.108306E+07	5.297364E+08	7.551541E+07	4.529445E+08	2.499575E+08	5.977935E+08	6.979389E+07	5.407141E+07	9.204524E+08	7.131019E+08-2.20495E+07	-109.7	
1989	1	2.006071E+07	1.010011E+11	9.123639E+11	1.601731E+11	2.066731E+11	1.291444E+09	1.51661E+11	232.500	4.2459E+07	1.331244E+08	4.107252E+07	5.296826E+08	7.551477E+07	4.529394E+08	2.499408E+08	5.977356E+08	6.97877E+07	5.405143E+07	9.203709E+08	7.128384E+08-2.006071E+07	-109.7	
1989	2	9672974	5.084713E+10	6.319403E+11	1.446113E+11	1.866112E+11	1.165972E+09	1.369528E+11	210000	3.833472E+07	1.201914E+08	4.1063E+07	5.29634E+08	7.551421E+07	4.529349E+08	2.499258E+08	5.976832E+08	6.978214E+07	5.40334E+07	9.202974E+08	7.126006E+08-9672974	-109.7	
1989	3	2150873	1.145186E+10	4.944734E+11	1.600283E+11	2.065282E+11	1.290276E+09	1.515869E+11	232.500	4.24227E+07	1.330061E+08	4.105246E+07	5.295802E+08	7.551358E+07	4.529298E+08	2.499091E+08	5.976253E+08	6.977596E+07	5.401344E+07	9.202161E+08	7.123373E+08-2150873	-109.7	
1989	4	4457758	2.296379E+10	4.413784E+11	1.259382E+11	1.709383E+11	1.05467E+09	1.326498E+11	225.000	3.327291E+07	1.045379E+08	4.104227E+07	5.295282E+08	7.551297E+07	4.529249E+08	2.498936E+08	5.975692E+08	6.976999E+07	5.399413E+07	9.201373E+08	7.120828E+08-4457758	-109.7	
1989	5	3868603	2.008689E+10	4.606443E+11	1.300742E+11	1.76574E+11	1.089307E+09	1.370394E+11	232.500	3.436675E+07	1.079721E+08	4.103174E+07	5.294744E+08	7.551234E+07	4.529199E+08	2.498763E+08	5.975113E+08	6.976383E+07	5.397419E+07	9.200561E+08	7.118198E+08-3868603	-109.7	
1989	6	3477321	1.80616E+10	4.412205E+11	1.258223E+11	1.708222E+11	1.053699E+09	1.325898E+11	225.000	3.324435E+07	1.044437E+08	4.102156E+07	5.29422E+08	7.551173E+07	4.529151E+08	2.498602E+08	5.974553E+08	6.975787E+07	5.39549E+07	9.199774E+08	7.116654E+08-3477321	-109.7	
1989	7	532982.8	3.362414E+09	4.558441E+11	3.307232E+11	1.764549E+11	1.088309E+09	1.369777E+11	232.500	3.433736E+07	1.078752E+08	4.101105E+07	5.293688E+08	7.55111E+07	4.529101E+08	2.498435E+08	5.973974E+08	6.975172E+07	5.393498E+07	9.198963E+08	7.113025E+08-532982.8	-109.7	
1989	8	2591680	1.373997E+10	4.641682E+11	1.298938E+11	1.763937E+11	1.087796E+09	1.369461E+11	232.500	3.432228E+07	1.078257E+08	4.100054E+07	5.293151E+08	7.551046E+07	4.529051E+08	2.498269E+08	5.973397E+08	6.974557E+07	5.391507E+07	9.198152E+08	7.110399E+08-2591680	-109.7	
1989	9	4479163	2.307081E+10	4.40984E+11	1.256485E+11	1.706485E+11	1.052244E+09	1.324999E+11	225.000	3.320153E+07	1.043025E+08	4.099037E+07	5.292632E+08	7.550986E+07	4.529003E+08	2.498108E+08	5.972837E+08	6.973962E+07	5.389581E+07	9.197367E+08	7.107859E+08-4479163	-109.7	
1989	10	5100567	2.620033E+10	7.195268E+11	3.353455E+11	3.818455E+11	2.464642E+09	2.366957E+11	232.500	8.959861E+07	2.795529E+08	4.097987E+07	5.292096E+08	7.550922E+07	4.528952E+08	2.497942E+08	5.97226E+08	6.973346E+07	5.387592E+07	9.196556E+08	7.105236E+08-5100567	-109.7	
1989	11	1.823408E+07	9.184538E+10	8.701818E+11	1.543013E+11	1.993013E+11	1.244102E+09	1.464082E+11	225.000	4.091272E+07	1.282544E+08	4.096971E+07	5.291577E+08	7.550862E+07	4.528904E+08	2.497781E+08	5.971701E+08	6.972752E+07	5.385667E+07	9.195773E+08	7.102698E+08-1.823408E+07	-109.7	
1990	0	2.20495E+07	1.10945E+11	9.600658E+11	1.59371E+11	2.05871E+11	1.284978E+09	1.512508E+11	232.500	4.225799E+07	1.324694E+08	4.095922E+07	5.291041E+08	7.550798E+07	4.528854E+08	2.497615E+08	5.971124E+08	6.972138E+07	5.38368E+07	9.194963E+08	7.100076E+08-2.20495E+07	-109.7	
1990	1	2.006071E+07	1.010011E+11	9.101145E+11	1.585024E+11	2.050025E+11	1.277976E+09	1.508067E+11	232.500	4.204041E+07	1.317602E+08	4.094878E+07	5.290508E+08	7.550736E+07	4.528804E+08	2.49745E+08	5.97055E+08	6.971526E+07	5.381702E+07	9.194157E+08	7.097469E+08-2.006071E+07	-109.7	
1990	2	9672974	5.084713E+10	6.299175E+11	1.43109E+11	1.85109E+11	1.153861E+09	1.361846E+11	210000	3.795832E+07	1.189647E+08	4.093936E+07	5.290027E+08	7.55068E+07	4.528759E+08	2.497301E+08	5.970031E+08	6.970974E+07	5.379917E+07	9.19343E+08	7.095115E+08-9672974	-109.7	
1990	3	2150873	1.145186E+10	4.922458E+11	1.583734E+11	2.048735E+11	1.276935E+09	1.507407E+11	232.500	4.200807E+07	1.316547E+08	4.092894E+07	5.289493E+08	7.550618E+07	4.528709E+08	2.497136E+08	5.969458E+08	6.970364E+07	5.377942E+07	9.192625E+08	7.092309E+08-2150873	-109.7	
1990	4	4457758	2.296379E+10	4.396136E+11	1.246414E+11	1.696415E+11	1.043814E+09	1.31979E+11	225.000	3.295347E+07	1.034846E+08	4.091885E+07	5.28898E+08	7.550557E+07	4.528661E+08	2.496976E+08	5.968903E+08	6.969774E+07	5.376031E+07	9.191847E+08	7.089989E+08-4457758	-109.7	

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1985 4	4457758	7.117508	71.36385	0	40.01413	.1702195	220	6.151924E-03	2.823545E-02	.5218517	4.155222E+07	5.321315E+08	7.55435E+07	4.531691E+08	2.506998E+08	6.003734E+08	7.006854E+07	5.496018E+07	9.240744E+08	7.24823E+08	-4457758	-109.7					
1985 5	3868603	7.338677	86.16097	0	47.6148	.1644258	220	4.764138E-03	2.038201E-02	.3177817	4.154108E+07	5.320746E+08	7.554283E+07	4.531637E+08	2.506822E+08	6.003121E+08	7.006201E+07	5.493906E+07	9.239884E+08	7.245446E+08-3868603		-109.7					
1985 6	3477321	7.408764	91.46248	0	51.23372	.1626312	220	4.393397E-03	1.838192E-02	.2715587	4.15303E+07	5.320196E+08	7.554218E+07	4.531585E+08	2.506651E+08	6.002529E+08	7.00557E+07	5.491865E+07	9.239052E+08	7.242754E+08-3477321		-109.7					
1985 7	532982.8	8.540382	239.8511	0	345.19	.1362241	220	1.187759E-03	3.468615E-03	2.146188E-02	4.151918E+07	5.319628E+08	7.554152E+07	4.531532E+08	2.506475E+08	6.001917E+08	7.004919E+07	5.489757E+07	9.238193E+08	7.239974E+08-532982.8		-109.7					
1985 8	2591680	7.821651	130.0202	0	70.94514	.1524501	220	2.726033E-03	.0100033	.1075751	4.150806E+07	5.319065E+08	7.554086E+07	4.531479E+08	2.506299E+08	6.001306E+08	7.004268E+07	5.487651E+07	9.237334E+08	7.237196E+08-2591680		-109.7					
1985 9	4479163	7.111167	70.97935	0	39.70247	.1703886	220	6.19718E-03	2.850053E-02	.529326	4.149731E+07	5.318511E+08	7.554021E+07	4.531427E+08	2.506129E+08	6.000714E+08	7.003638E+07	5.485614E+07	9.236504E+08	7.234511E+08-4479163		-109.7					
1985 10	5100567	7.19917	76.50556	0	78.64324	.1680569	220	5.597792E-03	2.503406E-02	.4345188	4.148621E+07	5.317944E+08	7.553955E+07	4.531374E+08	2.505954E+08	6.000104E+08	7.002989E+07	5.483512E+07	9.235647E+08	7.231738E+08-5100567		-109.7					
1985 11	1.823408E+07	6.42104	39.42619	0	11.40814	.1898319	220	1.376063E-02	7.880156E-02	2.488328	4.147548E+07	5.317396E+08	7.553894E+07	4.531323E+08	2.505784E+08	5.999514E+08	7.002361E+07	5.481479E+07	9.234819E+08	7.229056E+08-1.823408E+07-109.7							
1986 0	2.20495E+07	6.329043	36.45407	0	9.742453	.1925862	220	1.530455E-02	9.024283E-02	3.058528	4.14644E+07	5.316831E+08	7.553824E+07	4.53127E+08	2.505608E+08	5.998905E+08	7.001712E+07	5.47938E+07	9.233963E+08	7.226287E+08-2.20495E+07 -109.7							
1986 1	2.006071E+07	6.365672	37.60958	0	10.63101	.1914848	220	.0146701	8.550082E-02	2.817319	4.145341E+07	5.31627E+08	7.553758E+07	4.531217E+08	2.505434E+08	5.998301E+08	7.00107E+07	5.4773E+079.233116E+08	7.223544E+08-2.006071E+07-109.7							
1986 2	9672974	6.713748	50.59256	0	19.90409	.1813281	220	9.810676E-03	5.119196E-02	1.290655	4.14435E+07	5.315764E+08	7.553699E+07	4.53117E+08	2.505278E+08	5.997756E+08	7.00049E+07	5.475422E+07	9.23235E+08	7.221069E+08-9672974		-109.7					
1986 3	2150873	8.03954	156.5417	0	99.04846	.1473368	220	2.119098E-03	7.255951E-03	6.599151E-02	4.143254E+07	5.315204E+08	7.553634E+07	4.531117E+08	2.505104E+08	5.997152E+08	6.999847E+07	5.473344E+07	9.231504E+08	7.21833E+08 -2150873		-109.7					
1986 4	4457758	7.114391	71.17455	0	39.48948	.1703026	220	6.174133E-03	2.836547E-02	.5255131	4.142194E+07	5.314663E+08	7.55357E+07	4.531066E+08	2.504936E+08	5.996569E+08	6.999226E+07	5.471336E+07	9.230685E+08	7.21568E+08 -4457758		-109.7					
1986 5	3868603	7.335628	85.93744	0	46.99535	.1643043	220	4.780958E-03	2.047379E-02	.3199621	4.141099E+07	5.314104E+08	7.553505E+07	4.531014E+08	2.504763E+08	5.995967E+08	6.998586E+07	5.469261E+07	9.22984E+08	7.212944E+08-3868603		-109.7					
1986 6	3477321	7.405697	91.22374	0	50.5721	.1627094	220	4.409003E-03	1.846521E-02	.2734334	4.14004E+07	5.313564E+08	7.553441E+07	4.530963E+08	2.504595E+08	5.995385E+08	6.997966E+07	5.467255E+07	9.229021E+08	7.210298E+08-3477321		-109.7					
1986 7	532982.8	8.532545	238.2549	0	340.7667	.1363914	220	1.198568E-03	3.508903E-03	2.184245E-02	4.138947E+07	5.313005E+08	7.553375E+07	4.530911E+08	2.504422E+08	5.994784E+08	6.997326E+07	5.465184E+07	9.228177E+08	7.207567E+08-532982.8		-109.7					
1986 8	2591680	7.818708	129.6947	0	70.04301	.1525204	220	2.735323E-03	1.004678E-02	.1082875	4.137854E+07	5.312447E+08	7.55331E+07	4.530859E+08	2.504249E+08	5.994182E+08	6.996686E+07	5.463113E+07	9.227333E+08	7.204836E+08-2591680		-109.7					
1986 9	4479163	7.108174	70.79855	0	39.20127	.1704685	220	6.218661E-03	2.862654E-02	.5328917	4.136797E+07	5.311908E+08	7.553246E+07	4.530808E+08	2.504082E+08	5.993601E+08	6.996067E+07	5.461111E+07	9.226517E+08	7.202196E+08-4479163		-109.7					
1986 10	5100567	7.193474	76.13522	0	77.46091	.1682069	220	5.634768E-03	2.524507E-02	.440105	4.135706E+07	5.311351E+08	7.553182E+07	4.530756E+08	2.50391E+08	5.993002E+08	6.995429E+07	5.459044E+07	9.225674E+08	7.199471E+08-5100567		-109.7					
1986 11	1.823408E+07	6.419502	39.37457	0	11.25918	.1898777	220	1.378511E-02	7.898034E-02	2.496925	4.13465E+07	5.310812E+08	7.553118E+07	4.530705E+08	2.503742E+08	5.992422E+08	6.99481E+07	5.457044E+07	9.22486E+08	7.196834E+08-1.823408E+07-109.7							
1987 0	2.20495E+07	6.327633	36.41032	0	9.616192	.1926287	220	1.532951E-02	9.043047E-02	3.068212	4.13356E+07	5.310256E+08	7.553053E+07	4.530652E+08	2.50357E+08	5.991822E+08	6.994173E+07	5.45498E+07	9.224018E+08	7.194111E+08-2.20495E+07 -109.7							
1987 1	2.006071E+07	6.364303	37.36582	0	10.5047	.1913258	220	1.469329E-02	8.567318E-02	2.823967	4.132479E+07	5.309704E+08	7.552989E+07	4.530601E+08	2.503399E+08	5.991228E+08	6.99354E+07	5.452932E+07	9.223184E+08	7.191409E+08-2.006071E+07-109.7							
1987 2	9672974	6.711856	50.51108	0	19.669	.1813818	220	9.83215E-03	5.133486E-02	1.296142	4.131503E+07	5.309206E+08	7.55293E+07	4.530554E+08	2.503245E+08	5.990691E+08	6.992968E+07	5.451082E+07	9.22243E+08	7.18897E+08 -9672974		-109.7					
1987 3	2150873	8.036518	156.1392	0	97.8865	.1474065	220	2.126513E-03	7.288339E-03	6.644031E-02	4.130422E+07	5.308654E+08	7.552866E+07	4.530503E+08	2.503074E+08	5.990098E+08	6.992336E+07	5.449036E+07	9.221597E+08	7.186271E+08-2150873		-109.7					
1987 4	4457758	7.11178	71.01637	0	39.05103	.1703723	220	6.192796E-03	2.847483E-02	.5285996	4.129378E+07	5.308121E+08	7.552804E+07	4.530452E+08	2.502908E+08	5.989523E+08	6.991725E+07	5.447058E+07	9.220791E+08	7.183661E+08-4457758		-109.7					
1987 5	3868603	7.333071	85.75041	0	46.47712	.1645702	220	4.795111E-03	2.055109E-02	.3218024	4.128298E+07	5.307571E+08	7.552739E+07	4.530401E+08	2.502738E+08	5.98893E+08	6.991093E+07	5.445014E+07	9.219958E+08	7.180966E+08-3868603		-109.7					
1987 6	3477321	7.403121	91.02383	0	50.01786	.162775	220	4.422147E-03	1.853542E-02	.2750173	4.127255E+07	5.307038E+08	7.552678E+07	4.530351E+08	2.502573E+08	5.988356E+08	6.990482E+07	5.443037E+07	9.219153E+08	7.17836E+08 -3477321		-109.7					
1987 7	532982.8	8.525934	236.9166	0	337.0568	.1365326	220	1.207762E-03	3.543254E-03	2.216871E-02	4.126178E+07	5.306488E+08	7.552613E+07	4.530299E+08	2.502402E+08	5.987764E+08	6.989851E+07	5.440996E+07	9.218321E+08	7.175667E+08-532982.8		-109.7					
1987 8	2591680	7.816234	129.4215	0	69.28545	.1525795	220	2.743158E-03	1.008348E-02	.1088902	4.125101E+07	5.305938E+08	7.552548E+07	4.530248E+08	2.502232E+08	5.987171E+08	6.989221E+07	5.438956E+07	9.217489E+08	7.172977E+08-2591680		-109.7					
1987 9	4479163	7.105649	70.64645	0	38.77988	.1705359	220	6.236834E-03	2.873323E-02	.5359172	4.12406E+07	5.305406E+08	7.552486E+07	4.530198E+08	2.502067E+08	5.986598E+08	6.98861E+07	5.436983E+07	9.216685E+08	7.170374E+08-4479163		-109.7					
1987 10	5100567	7.188669	75.82416	0	76.46786	.1683335	220	5.666152E-03	2.542447E-02	.4448734	4.122984E+07	5.304857E+08	7.552422E+07	4.530146E+08	2.501897E+08	5.986006E+08	6.987981E+07	5.434946E+07	9.215854E+08	7.167687E+08-5100567		-109.7					
1987 11	1.823408E+07	6.418205	39.33108	0	11.13367	.1899162	220	1.380579E-02	7.913144E-02	2.504199	4.121944E+07	5.304326E+08	7.552359E+07	4.530097E+08	2.501732E+08	5.985434E+08	6.987371E+07	5.432975E+07	9.215051E+08	7.163088E+08-1.823408E+07-109.7							
1988 0	2.20495E+07	6.326443	36.37342	0	9.509675	.1926646	220	1.535061E-02	9.058921E-02	3.076412	4.12087E+07	5.303777E+08	7.552295E+07	4.530046E+08	2.501562E+08	5.984844E+08	6.986742E+07	5.430939E+07	9.214221E+08	7.162404E+08-2.20495E+07 -109.7							
1988 1	2.006071E+07	6.363135	37.5284	0	10.39674	.1915609	220	1.471317E-02	8.582099E-02	2.83339	4.119803E+07	5.303233E+08	7.552231E+07	4.529994E+08	2.501393E+08	5.984257E+08	6.986118E+07	5.428918E+07	9.213397E+08	7.159738E+08-2.006071E+07-109.7							
1988 2	1.001844E+07	6.710236	50.44142	0	19.46791	.1814279	220	9.850582E-03	5.14758E-02	1.300861	4.118805E+07	5.302723E+08	7.552171E+07	4.529947E+08	2.501236E+08	5.983709E+08	6.985534E+07	5.427028E+07	9.212627E+08	7.157245E+08-1.001844E+07-109.7							
1988 3	2150873	8.033924	155.7944	0	96.89155	.1474664	220	2.132899E-03	7.316253E-03	6.682796E-02	4.117739E+07	5.302179E+08	7.552108E+07	4.529895E+08	2.501067E+08	5.983123E+08	6.98491E+07	5.425008E+07	9.211804E+08	7.154582E+08-2150873		-109.7					
1988 4	4457758	7.109536	70.88077	0	38.67531	.1704322	220	6.208877E-03	2.856913E-02	.531266	4.116708E+07	5.301652E+08	7.552046E+07	4.529846E+08	2.500904E+08	5.982556E+08	6.984306E+07	5.423055E+07	9.211009E+08	7.152006E+08-4457758		-109.7					
1988 5	3868603	7.330873	85.59004	0	46.03251	.1646268	220	4.807305E-03	2.061774E-02	.3233922	4.115643E+07	5.301109E+08	7.551982E+07	4.529795E+08	2.500735E+08	5.98197E+08	6.983683E+07	5.421038E+07	9.210186E+08	7.149345E+08-3868603		-109.7					
1988 6	3477321	7.400905	90.85213	0	49.542	.1628315	220	4.433491E-03	1.859606E-02	.2763877	4.114613E+07	5.300583E+08	7.55192E+07	4.529746E+08	2.500572E+08	5.981404E+08	6.98308E+07	5.419086E+07	9.209392E+08	7.146772E+08-3477321		-109.7					
1988 7	532982.8	8.520219	235.7658	0	333.8686	.1366549	220	1.215767E-03	3.573223E-03	2.245469E-02	4.113549E+07	5.30004E+08	7.551856E+07	4.529695E+08	2.500404E+08	5.980819E+08	6.982458E+07	5.417072E+07	9.208571E+08	7.144115E+08-532982.8		-109.7					
1988 8	2591680	7.814098	129.1863	0	68.63383	.1526305	220	2.749937E-03	1.011526E-02	.1094129	4.112486E+07	5.299497E+08	7.551792E+07	4.529644E+08	2.500236E+08	5.980234E+08	6.981835E+07	5.415058E+07	9.20775E+08	7.141459E+08-2591680		-109.7					
1988 9	4479163	7.103473	70.51558	0	38.41711	.170594	220	6.252542E-03	2.882553E-02	.5385393	4.111457E+07	5.298972E+08	7.55173E+07	4.529595E+08	2.500073E+08	5.979668E+08	6.981234E+07	5.41311E+07	9.206956E+08	7.13889E+08 -4479163		-109.7					
1988 10	5100567	7.184518	75.55648	0	75.61366	.1684429	220	5.693407E-03	2.558048E-02	.4490347	4.110394E+07	5.29843E+08	7.551666E+07	4.529545E+08	2.499905E+08	5.979084E+08	6.980611E+07	5.411098E+07	9.206136E+08	7.136236E+08-5100567		-109.7					
1988 11	1.823408E+07	6.417085	39.29358	0	11.02541	.1899495	220	1.382367E-02	7.926211E-02	2.510494	4.109367E+07	5.297906E+08	7.551605E+07	4.529496E+08	2.499743E+08	5.978518E+08	6.98001E+07	5.409152E+07	9.205343E+08	7.13367E+08 -1.823408E+07-109.7							
1989 0	2.20495E+07	6.325415	36.34156	0	9.417727	.1926956	220	1.536886E-02	9.072656E-02	3.083514	4.108306E+07	5.297364E+08	7.551541E+07	4.529445E+08	2.499575E+08	5.977935E+08	6.979389E+07	5.407141E+07	9.204524E+08	7.131019E+08-2.20495E+07 -109.7							
1989 1	2.006071E+07	6.362113	37.49571	0	10.30238	.1915915	220	1.473057E-02	8.595044E-02	2.839897	4.107252E+07	5.296826E+08	7.551477E+07	4.529394E+08	2.499408E+08	5.977356E+08	6.97877E+07	5.405143E+07	9.203709E+08	7.128384E+08-2.006071E+07-109.7							
1989 2	9672974	6.708817	50.38048	0	19.29202	.1814682	220	9.866748E-03	5.156526E-02	1.305006	4.1063E+07	5.29634E+08	7.551421E+07	4.529349E+08	2.499258E+08	5.976832E+08	6.978214E+07	5.40334E+07	9.202974E+08	7.126006E+08-9672974		-109.7					
1989 3	2150873	8.031649	155.4928	0	96.02067	.147519	220	2.138516E-03	7.340827E-03	6.716987E-02	4.105246E+07	5.295802E+08	7.551358E+07	4.529298E+08	2.499091E+08	5.976253E+08	6.977596E+07	5.401344E+07	9.202161E+08	7.123373E+08-2150873		-109.7					
1989 4	4457758	7.107569	70.76208	0	38.34625	.1704846	220	6.223009E-03	2.865206E-02	.5336148	4.104227E+07	5.295282E+08	7.551297E+07	4.529249E+08	2.498938E+08	5.975692E+08	6.976999E+07	5.399413E+07	9.201373E+08	7.120828E+08-4457758		-109.7					
1989 5	3868603	7.328944	85.44946	0	45.64283	.1646766	220	4.81804E-03	2.067646E-02	.3247948	4.103174E+07	5.294744E+08	7.551234E+07	4.529199E+08	2.498763E+08	5.975113E+08	6.976383E+07	5.397419E+07	9.200561E+08	7.118198E+08-3868603		-109.7					
1989 6	3477321	7.398958	90.70149	0	49.12465	.1628812	220	4.443482E-03	.0186495	.2775974	4.102156E+07	5.294225E+08	7.551173E+07	4.529151E+08	2.498602E+08	5.974553E+08	6.975787E+07	5.39549E+07	9.199774E+08	7.115654E+08-3477321		-109.7					
1989 7	532982.8	8.51518	234.7559	0	331.0705	.1367627	220	1.222869E-03	3.599857E-03	2.270991E-02	4.101105E+07	5.293688E+08	7.55111E+07	4.529101E+08	2.498435E+08	5.973974E+08	6.975172E+07	5.393498E+07	9.198963E+08	7.113025E+08-532982.8		-109.7					
1989 8	2591680	7.812221	128.9798	0	68.06155	.1526754	220	2.753911E-03	1.014329E-02	.1098745	4.100054E+07	5.293151E+08	7.551046E+07	4.529051E+08	2.498269E+08	5.973397E+08	6.974557E+07	5.391507E+07	9.198152E+08	7.110399E+08-2591680		-109.7					
1989 9	4479163	7.101557	70.40056	0	38.0983	.1706452	220	6.266408E-03	2.890705E-02	.5408589	4.099037E+07	5.292632E+08	7.550986E+07	4.529003E+08	2.498108E+08	5.972837E+08	6.973962E+07	5.389581E+07	9.197367E+08	7.107859E+08-4479163		-109.7					
1989 10	5100567	7.180859	75.3213	0	74.86335	.1685394	220	5.717536E-03	2.571878E-02	.4527344	4.097987E+07	5.292096E+08	7.550922E+07	4.528952E+08	2.497942E+08	5.97226E+08	6.973346E+07	5.387592E+07	9.196556E+08	7.105236E+08-5100567		-109.7					
1989 11	1.823408E+07	6.416099	39.26058	0	10.93016	.1899788	220	1.383944E-02	7.937738E-02	2.516053	4.096971E+07	5.291577E+08	7.550862E+07	4.528904E+08	2.497781E+08	5.971701E+08	6.972752E+07	5.385667E+07	9.195773E+08	7.102698E+08-1.823408E+07-109.7							
1990 0	2.20495E+07	6.324509	36.31351	0	9.336763	.1927229	220	1.538497E-02	9.084783E-02	3.089789	4.095922E+07	5.291041E+08	7.550798E+07	4.528854E+08	2.497615E+08	5.971124E+08	6.972138E+07	5.38368E+07	9.194963E+08	7.100076E+08-2.20495E+07 -109.7							
1990 1	2.006071E+07	6.361209	37.46687	0	10.21911	.1916187	220	1.474597E-02	8.606497E-02	2.843658	4.094878E+07	5.290508E+08	7.550736E+07	4.528804E+08	2.49745E+08	5.970555E+08	6.971526E+07	5.381702E+07	9.194157E+08	7.097469E+08-2.006071E+07-109.7							
1990 2	9672974	6.707562	50.32666	0	19.13672	.1815038	220	9.881066E-03	5.166069E-02	1.308683	4.093936E+07	5.290027E+08	7.55068E+07	4.528759E+08	2.497301E+08	5.970031E+08	6.970974E+07	5.379917E+07	9.19343E+08	7.095115E+08-9672974		-109.7					
1990 3	2150873	8.029634	155.2261	0	95.25137	.1475655	220	2.143501E-03	7.362649E-03	6.747398E-02	4.092894E+07	5.289495E+08	7.550618E+07	4.528709E+08	2.497136E+08	5.969458E+08	6.970364E+07	5.377942E+07	9.192625E+08	7.092509E+08-2150873		-109.7					
1990 4	4457758	7.105826	70.6571	0	38.05534	.1705312	220	6.235558E-03	2.872574E-02	.5357046	4.091885E+07	5.28898E+08	7.550557E+07	4.528661E+08	2.496976E+08	5.968903E+08	6.969774E+07	5.376031E+07	9.191847E+08	7.089989E+08-4457758		-109.7					
1990 5	3868603	7.327235	85.32511	0	45.29821	.1647206	220	4.827567E-03	.0207286	.3260421	4.090844E+07	5.288448E+08	7.550494E+07	4.528612E+08	2.496812E+08	5.96833E+08	6.969164E+07	5.374057E+07	9.191042E+08	7.087386E+08-3868603		-109.7					
1990 6	3477321	7.397232	90.56822	0	48.7553	.1629252	220	4.452357E-03	.018697	.2786742	4.089836E+07	5.287933E+08	7.550434E+07	4.528564E+08	2.496652E+08	5.967776E+08	6.968574E+07	5.372148E+07	9.190264E+08	7.084868E+08-3477321		-109.7					
1990 7	532982.8	8.510703	233.8624	0	328.5927	.1368586	220	1.229213E-03	3.623683E-03	2.293905E-02	4.088795E+07	5.287402E+08	7.550371E+07	4.528514E+08	2.496487E+08	5.967203E+08	6.967965E+07	5.370176E+07	9.18946E+08	7.082267E+08-532982.8		-109.7					
1990 8	2591680	7.810555	128.7969	0	67.55451	.1527152	220	2.761224E-03	1.016822E-02	.1102858	4.087754E+07	5.286871E+08	7.55031E+07	4.528465E+08	2.496323E+08	5.966631E+08	6.967355E+07	5.368204E+07	9.188636E+08	7.079667E+08-2591680		-109.7					
1990 9	4479163	7.099855	70.29855	0	37.81565	.1706907	220	6.278747E-03	2.897964E-02	.5429271	4.086747E+07	5.286357E+08	7.550249E+07	4.528417E+08	2.496164E+08	5.966076E+08	6.966766E+07	5.366297E+07	9.187878E+08	7.077153E+08-4479163		-109.7					
1990 10	5100567	7.177607	75.11292	0	74.19852	.1686253	220	5.739069E-03	2.584233E-02	.4560485	4.085708E+07	5.285826E+08	7.550186E+07	4.528368E+08	2.495999E+08	5.965505E+08	6.966158E+07	5.364328E+07	9.187075E+08	7.074555E+08-5100567		-109.7					
1990 11	1.823408E+07	6.415223	39.23129	0	10.84561	.1900049	220	1.383346E-02	.0794799	2.5214.084702E+07	5.285312E+08	7.550126E+07	4.52832E+08	2.49584E+08	5.964952E+08	6.96557E+07	5.362422E+07	9.186298E+08	7.072042E+08-1.823408E+07-109.7							
1991 0	2.20495E+07	6.323703	36.2886	0	9.264874	.1927472	220	.0153993	9.095572E-02	3.095375	4.083663E+07	5.284782E+08	7.550064E+07	4.52827E+08	2.495676E+08	5.964381E+08	6.964962E+07	5.360454E+07	9.185496E+08	7.069447E+08-2.20495E+07 -109.7							

1991 1	2.006071E+07	6.360399	37.44101	0	10.14449	.191643	220	1.475978E-02	8.616778E-02	2.850833	4.082629E+07	5.284254E+08	7.550002E+07	4.528221E+08	2.495512E+08	5.963813E+08	6.964357E+07	5.358496E+07			
1991 2	9672974	6.706437	50.27843	0	18.99751	.1813538	220	9.893928E-03	5.174643E-02	1.31199	4.081696E+07	5.283778E+08	7.549947E+07	4.528176E+08	2.495364E+08	5.9633E+08	6.96381E+07	5.356727E+07	9.		
1991 3	2150873	8.027825	154.9871	0	94.56127	.1476073	220	2.147988E-03	7.382304E-03	.0677483	4.080663E+07	5.28325E+08	7.549885E+07	4.528127E+08	2.495201E+08	5.962733E+08	6.963206E+07	5.35477E+07	9		
1991 4	4457758	7.104261	70.56291	0	37.7943	.170573	220	6.246852E-03	2.879209E-02	.5375887	4.079664E+07	5.28274E+08	7.549826E+07	4.528079E+08	2.495043E+08	5.962183E+08	6.96262E+07	5.352877E+07	9.		
1991 5	3868603	7.325697	85.21344	0	44.98881	.1647603	220	4.836153E-03	2.077561E-02	.3271681	4.078631E+07	5.282213E+08	7.549763E+07	4.52803E+08	2.494879E+08	5.961615E+08	6.962016E+07	5.350922E+07	9		
1991 6	3477321	7.39568	90.44856	0	48.42363	.1629648	220	4.460349E-03	.0187398	.2796456	4.077633E+07	5.281703E+08	7.549703E+07	4.527982E+08	2.494721E+08	5.961066E+08	6.961431E+07	5.34903E+07	9.		
1991 7	532982.8	8.506666	233.0593	0	326.3662	.1369452	220	1.234962E-03	3.645304E-03	2.314768E-02	4.076602E+07	5.281176E+08	7.549642E+07	4.527933E+08	2.494558E+08	5.960499E+08	6.960827E+07	5.347076E+07			
1991 8	2591680	7.809055	128.6324	0	67.09866	.1527511	220	2.766016E-03	1.019072E-02	.1106575	4.075571E+07	5.28065E+08	7.549579E+07	4.527884E+08	2.494395E+08	5.959933E+08	6.960224E+07	5.345123E+07	9		
1991 9	4479163	7.098323	70.20688	0	37.5615	.1707316	220	6.289873E-03	2.904512E-02	.5447953	4.074573E+07	5.280141E+08	7.54952E+07	4.527836E+08	2.494237E+08	5.959384E+08	6.95964E+07	5.345234E+07	9		
1991 10	5100567	7.174677	74.92566	0	73.6009	.1687027	220	5.75854E-03	2.595416E-02	.4590552	4.073543E+07	5.279615E+08	7.549458E+07	4.527787E+08	2.494074E+08	5.958818E+08	6.959037E+07	5.341282E+07	9		
1991 11	1.823408E+07	6.414434	39.20492	0	10.76954	.1900284	220	.0138661	7.957239E-02	2.525466	4.072546E+07	5.279106E+08	7.549398E+07	4.52774E+08	2.493916E+08	5.95827E+08	6.958453E+07	5.339394E+07	9.176		
1992 0	2.20495E+07	6.322978	36.26617	0	9.200141	.1927691	220	1.541223E-02	9.105305E-02	3.100417	4.071516E+07	5.27858E+08	7.549336E+07	4.527691E+08	2.493753E+08	5.957704E+08	6.95785E+07	5.337444E+07			
1992 1	2.006071E+07	6.359665	37.41761	0	10.07696	.191665	220	1.477231E-02	8.626102E-02	2.855529	4.070492E+07	5.278057E+08	7.549275E+07	4.527642E+08	2.493591E+08	5.95714E+08	6.95725E+07	5.335503E+07			
1992 2	1.001844E+07	6.705418	50.23478	0	18.87147	.1815648	220	9.905593E-03	5.182423E-02	1.314993	4.069534E+07	5.277568E+08	7.549218E+07	4.527596E+08	2.49344E+08	5.956614E+08	6.95669E+07	5.333687E+07			
1992 3	2150873	8.026185	154.7706	0	93.93634	.1476452	220	2.152065E-03	7.400017E-03	6.799798E-02	4.06851E+07	5.27704E+08	7.549158E+07	4.527547E+08	2.493278E+08	5.956051E+08	6.95609E+07	5.331747E+07			
1992 4	4457758	7.10284	70.47758	0	37.55783	.1706109	220	6.257117E-03	2.883242E-02	.5393041	4.067519E+07	5.27654E+08	7.549098E+07	4.527499E+08	2.493121E+08	5.955505E+08	6.95551E+07	5.32987E+07	9.		
1992 5	3868603	7.324304	85.1123	0	44.70839	.1647962	220	4.843951E-03	2.081833E-02	.3281924	4.066496E+07	5.276017E+08	7.549037E+07	4.52745E+08	2.492959E+08	5.954942E+08	6.954911E+07	5.327931E+07	9		
1992 6	3477321	7.394271	90.34004	0	48.12285	.1630007	220	4.46762E-03	1.877875E-02	.2805307	4.065506E+07	5.275512E+08	7.548977E+07	4.527403E+08	2.492803E+08	5.954397E+08	6.954331E+07	5.326056E+07	9		
1992 7	532982.8	8.502989	232.3303	0	324.347	.137024	220	1.240223E-03	3.665113E-03	2.333937E-02	4.064483E+07	5.274989E+08	7.548916E+07	4.527354E+08	2.492641E+08	5.953896E+08	6.953733E+07	5.324118E+07			
1992 8	2591680	7.807693	128.4832	0	66.6851	.1527836	220	2.770373E-03	.0102112	.110996	4.063461E+07	5.274468E+08	7.548854E+07	4.527305E+08	2.492479E+08	5.953274E+08	6.953134E+07	5.322182E+07	9.1		
1992 9	4479163	7.096931	70.12366	0	37.33082	.1707689	220	6.300004E-03	2.910478E-02	.5464991	4.062472E+07	5.273963E+08	7.548795E+07	4.527256E+08	2.492323E+08	5.95273E+08	6.952556E+07	5.320308E+07	9		
1992 10	5100567	7.172011	74.75566	0	73.05862	.1687731	220	5.776313E-03	2.605633E-02	.4618082	4.06145E+07	5.273441E+08	7.548734E+07	4.527209E+08	2.492161E+08	5.952168E+08	6.951958E+07	5.318373E+07	9		
1992 11	1.823408E+07	6.413717	39.18097	0	10.70042	.1900497	220	.0138776	7.965653E-02	2.529531	4.060462E+07	5.272957E+08	7.548674E+07	4.527161E+08	2.492004E+08	5.951625E+08	6.951379E+07	5.316501E+07	9.167		
1993 0	2.20495E+07	6.322318	36.24579	0	9.141321	.1927891	220	1.542399E-02	9.114165E-02	3.105009	4.059441E+07	5.272416E+08	7.548613E+07	4.527112E+08	2.491843E+08	5.951063E+08	6.950782E+07	5.314567E+07			
1993 1	2.006071E+07	6.358994	37.39621	0	10.01517	.1916851	220	1.478378E-02	8.634641E-02	2.859832	4.058424E+07	5.271897E+08	7.548552E+07	4.527064E+08	2.491682E+08	5.950504E+08	6.950186E+07	5.312642E+07			
1993 2	9672974	6.704483	50.19479	0	18.75612	.1815913	220	9.916306E-03	5.189569E-02	1.317734	4.057506E+07	5.271428E+08	7.548498E+07	4.52702E+08	2.491537E+08	5.949999E+08	6.94965E+07	5.310902E+07	9		
1993 3	2150873	8.02468	154.5723	0	93.3642	.14768	220	2.155812E-03	.0074166	6.822787E-02	4.05649E+07	5.270909E+08	7.548436E+07	4.526972E+08	2.491376E+08	5.94944E+08	6.949054E+07	5.308977E+07	9.1		
1993 4	4457758	7.101538	70.39944	0	37.34122	.1706457	220	6.266543E-03	2.890784E-02	.5408815	4.055507E+07	5.270407E+08	7.548378E+07	4.526925E+08	2.49122E+08	5.948899E+08	6.948478E+07	5.307114E+07	9		
1993 5	3868603	7.323024	85.01958	0	44.45146	.1648293	220	4.851122E-03	2.085763E-02	.3291358	4.054492E+07	5.269889E+08	7.548317E+07	4.526876E+08	2.49106E+08	5.94834E+08	6.947884E+07	5.305191E+07	9.		
1993 6	3477321	7.392978	90.24059	0	47.84722	.1630337	220	4.474303E-03	1.881457E-02	.2813455	4.053509E+07	5.269388E+08	7.548259E+07	4.526829E+08	2.490904E+08	5.947801E+08	6.94731E+07	5.30333E+07	9.		
1993 7	532982.8	8.49961	231.6625	0	322.4959	.1370965	220	1.245076E-03	3.683408E-03	2.351691E-02	4.052494E+07	5.26887E+08	7.548198E+07	4.526781E+08	2.490744E+08	5.947244E+08	6.946715E+07	5.301408E+07			
1993 8	2591680	7.806442	128.3464	0	66.30582	.1528136	220	2.774382E-03	1.023003E-02	.1113078	4.05148E+07	5.268352E+08	7.548137E+07	4.526733E+08	2.490583E+08	5.946685E+08	6.946121E+07	5.299486E+07	9		
1993 9	4479163	7.095651	70.04725	0	37.11919	.1708031	220	6.309331E-03	2.915972E-02	.54807	4.050498E+07	5.267851E+08	7.548078E+07	4.526686E+08	2.490428E+08	5.946146E+08	6.945547E+07	5.297627E+07	9.		
1993 10	5100567	7.16956	74.59972	0	72.56131	.1688379	220	5.792701E-03	2.615061E-02	.4643537	4.049484E+07	5.267333E+08	7.548018E+07	4.526637E+08	2.490268E+08	5.945588E+08	6.944954E+07	5.295706E+07	9		
1993 11	1.823408E+07	6.413058	39.15899	0	10.63698	.1900693	220	1.388817E-02	7.973392E-02	2.533273	4.048504E+07	5.266832E+08	7.547959E+07	4.52659E+08	2.490113E+08	5.94505E+08	6.944379E+07	5.293849E+07			
1994 0	2.20495E+07	6.321712	36.22708	0	9.087315	.1928074	220	.0154348	9.122308E-02	3.109232	4.047498E+07	5.266315E+08	7.547898E+07	4.526542E+08	2.489952E+08	5.944492E+08	6.943786E+07	5.29193E+07	9.1575		
1994 1	2.006071E+07	6.358377	37.37659	0	9.958539	.1917036	220	1.479431E-02	8.642484E-02	2.863786	4.046481E+07	5.2658E+08	7.547837E+07	4.526494E+08	2.489792E+08	5.943937E+08	6.943195E+07	5.290018E+07			
1994 2	9672974	6.703626	50.15817	0	18.65036	.1816157	220	9.926127E-03	5.196123E-02	1.320287	4.04557E+07	5.265335E+08	7.547783E+07	4.526451E+08	2.489648E+08	5.943437E+08	6.942661E+07	5.288291E+07	9.		
1994 3	2150873	8.023298	154.3905	0	92.83952	.147712	220	2.159258E-03	7.431719E-03	6.843965E-02	4.044562E+07	5.264822E+08	7.547722E+07	4.526403E+08	2.489488E+08	5.942883E+08	6.942071E+07	5.28638E+07	9		
1994 4	4457758	7.100343	70.3278	0	37.1426	.1706777	220	6.275208E-03	2.895881E-02	.5423335	4.043586E+07	5.264322E+08	7.547664E+07	4.526356E+08	2.489334E+08	5.942346E+08	6.9415E+07	5.284532E+07	9.1		
1994 5	3868603	7.321849	84.93453	0	44.21577	.1648596	220	4.857712E-03	2.089376E-02	.3300039	4.042578E+07	5.263807E+08	7.547603E+07	4.526308E+08	2.489175E+08	5.941791E+08	6.94091E+07	5.282622E+07	9.		
1994 6	3477321	7.39179	90.14934	0	47.39432	.163064	220	4.480448E-03	1.884732E-02	.2820957	4.041603E+07	5.26331E+08	7.547545E+07	4.526262E+08	2.48902E+08	5.941255E+08	6.940399E+07	5.280775E+07	9.1		
1994 7	532982.8	8.496499	231.0493	0	320.7968	.1371633	220	1.249562E-03	3.700333E-03	2.368155E-02	4.040595E+07	5.262795E+08	7.547484E+07	4.526214E+08	2.488861E+08	5.940701E+08	6.93975E+07	5.278867E+07			
1994 8	2591680	7.805292	128.2207	0	65.95762	.1528411	220	2.778072E-03	1.024739E-02	.1115953	4.039588E+07	5.262281E+08	7.547423E+07	4.526166E+08	2.488702E+08	5.940148E+08	6.93916E+07	5.27696E+07	9.		
1994 9	4479163	7.094476	69.97716	0	36.92484	.1708345	220	6.317905E-03	2.921026E-02	.5495161	4.038614E+07	5.261783E+08	7.547366E+07	4.526119E+08	2.488548E+08	5.939612E+08	6.93859E+07	5.275114E+07	9.		
1994 10	5100567	7.167306	74.45663	0	72.10472	.1688975	220	5.80781E-03	.0262376	.4667065	4.037607E+07	5.261269E+08	7.547306E+07	4.526071E+08	2.488388E+08	5.939059E+08	6.938001E+07	5.273207E+07	9.1		
1994 11	1.823408E+07	6.412453	39.13881	0	10.5787	.1900873	220	1.389789E-02	7.980505E-02	2.536713	4.036634E+07	5.260772E+08	7.547247E+07	4.526024E+08	2.488234E+08	5.938524E+08	6.93743E+07	5.271363E+07			
1995 0	2.20495E+07	6.321154	36.20988	0	9.037679	.1928242	220	1.544475E-02	9.129805E-02	3.113122	4.035628E+07	5.260259E+08	7.547187E+07	4.525976E+08	2.488075E+08	5.937971E+08	6.936842E+07	5.269457E+07			
1995 1	2.006071E+07	6.357808	37.35845	0	9.906186	.1917207	220	1.480406E-02	8.649744E-02	2.867448	4.034626E+07	5.259748E+08	7.547127E+07	4.525929E+08	2.487917E+08	5.93742E+08	6.936254E+07	5.267559E+07			
1995 2	9672974	6.702833	50.12428	0	18.55259	.1816383	220	9.935235E-03	5.202202E-02	1.322639	4.033721E+07	5.259285E+08	7.547074E+07	4.525885E+08	2.487773E+08	5.936922E+08	6.935725E+07	5.265845E+07	9		
1995 3	2150873	8.02202	154.2224	0	92.35425	.1477415	220	2.16245E-03	7.445727E-03	6.863608E-02	4.03272E+07	5.258774E+08	7.547014E+07	4.525837E+08	2.487615E+08	5.936372E+08	6.935138E+07	5.263947E+07	9		
1995 4	4457758	7.099235	70.26143	0	36.95878	.1707073	220	6.283247E-03	2.900613E-02	.5436825	4.03175E+07	5.258279E+08	7.546956E+07	4.525791E+08	2.487462E+08	5.935839E+08	6.934571E+07	5.262111E+07	9.		
1995 5	3868603	7.320762	84.8559	0	43.99764	.1648877	220	4.863824E-03	2.092727E-02	.3308098	4.030749E+07	5.257768E+08	7.546897E+07	4.525743E+08	2.487303E+08	5.935289E+08	6.933986E+07	5.260215E+07	9.		
1995 6	3477321	7.39069	90.06489	0	47.3602	.1630921	220	4.486148E-03	.0188781	.2827925	4.029781E+07	5.257274E+08	7.546839E+07	4.525697E+08	2.48715E+08	5.934756E+08	6.933418E+07	5.25838E+07	9.14		

* CLOSURE *

Cumulative Total Loadings and Volumes Per Time Interval:

YEAR	MonthVol (m^3/Lyr)	pH(mg/interval)	Alk(mg/interval)	Acl(mg/interval)	SO4(mg/interval)	Al (mg/interval)	Ca (mg/interval)	Cd (mg/interval)	Cu (mg/interval)	Zn (mg/interval)	1: S rem. (kg)	1: NP rem. (kg)	2: S rem. (kg)	rem. (kg)	5: S rem. (kg)	5: NP rem. (kg)	Pump #2 (m^3/d)	Water Elevation (m)
1995 7	1.045298E+07	2.028077E+12	3.948081E+13	3.574795E+13	4.670408E+13	5.553047E+11	1.79455E+13	2.545775E+10	1.252842E+11	2.819962E+11	4.029146E+07	5.25695E+08	7.546801E+07	4.525666E+08	2.487049E+08	5.934407E+0		
1995 8	2.296466E+07	6.763955E+12	8.365943E+13	6.999789E+13	9.208866E+13	1.176896E+12	3.775923E+13	5.159511E+10	2.899604E+11	5.528485E+11	4.02859E+07	5.256666E+08	7.546767E+07	4.525639E+08	2.486962E+08	5.934101E+0		
1995 9	3.65963E+07	1.626684E+13	1.6202E+14	1.246662E+14	1.57168E+14	1.962335E+12	7.033935E+13	9.523094E+10	5.636996E+11	8.7224E+11	4.028109E+07	5.25642E+08	7.546739E+07	4.525616E+08	2.486885E+08	5.933837E+08		
1995 10	5.161686E+07	3.344386E+13	2.929026E+14	2.112735E+14	2.548373E+14	3.032112E+12	1.229836E+14	1.649609E+11	9.938909E+11	1.29243E+12	4.027664E+07	5.256193E+08	7.546712E+07	4.525595E+08	2.48681E+08	5.933592E+		
1995 11	7.943094E+07	6.224744E+13	5.015005E+14	3.445552E+14	3.98718E+14	4.45863E+12	2.047586E+14	2.726111E+11	1.644046E+12	1.838902E+12	4.027304E+07	5.25601E+08	7.54669E+07	4.525578E+08	2.486758E+08	5.933395E+0		
1996 0	1.114204E+08	1.076595E+14	8.145691E+14	5.404119E+14	6.05384E+14	6.376879E+12	3.260781E+14	4.302191E+11	2.583397E+12	2.563747E+12	4.026995E+07	5.255852E+08	7.546672E+07	4.525563E+08	2.486709E+08	5.93322E+0		
1996 1	1.414012E+08	1.759514E+14	1.263798E+15	8.169825E+14	8.925624E+14	8.903068E+12	4.988435E+14	6.516737E+11	3.890239E+12	3.508307E+12	4.026741E+07	5.255722E+08	7.546657E+07	4.525551E+08	2.486669E+08	5.933086E+		
1996 2	1.59800E+08	2.747996E+14	1.887315E+15	1.195987E+15	1.280165E+15	1.21334E+13	7.370211E+14	9.537019E+11	5.655915E+12	4.703061E+12	4.02653E+07	5.255615E+08	7.546644E+07	4.52554E+08	2.486635E+08	5.93297E+08		
1996 3	1.718715E+08	4.133085E+14	2.729813E+15	1.705112E+15	1.799211E+15	1.634899E+13	1.058395E+15	1.356117E+12	7.989387E+12	6.271639E+12	4.026323E+07	5.255509E+08	7.546632E+07	4.525531E+08	2.486603E+08	5.932856E+		
1996 4	1.856292E+08	6.031149E+14	3.842048E+15	2.373222E+15	2.475985E+15	2.16705E+13	1.481359E+15	1.880866E+12	1.10098E+13	8.252127E+12	4.026141E+07	5.255417E+08	7.546621E+07	4.525522E+08	2.486574E+08	5.932756E+0		
1996 5	1.994178E+08	8.564539E+14	5.279961E+15	3.233652E+15	3.345049E+15	2.835721E+13	2.027382E+15	2.552208E+12	1.485102E+13	1.075048E+13	4.025972E+07	5.25533E+08	7.54661E+07	4.525514E+08	2.486547E+08	5.932663E+0		

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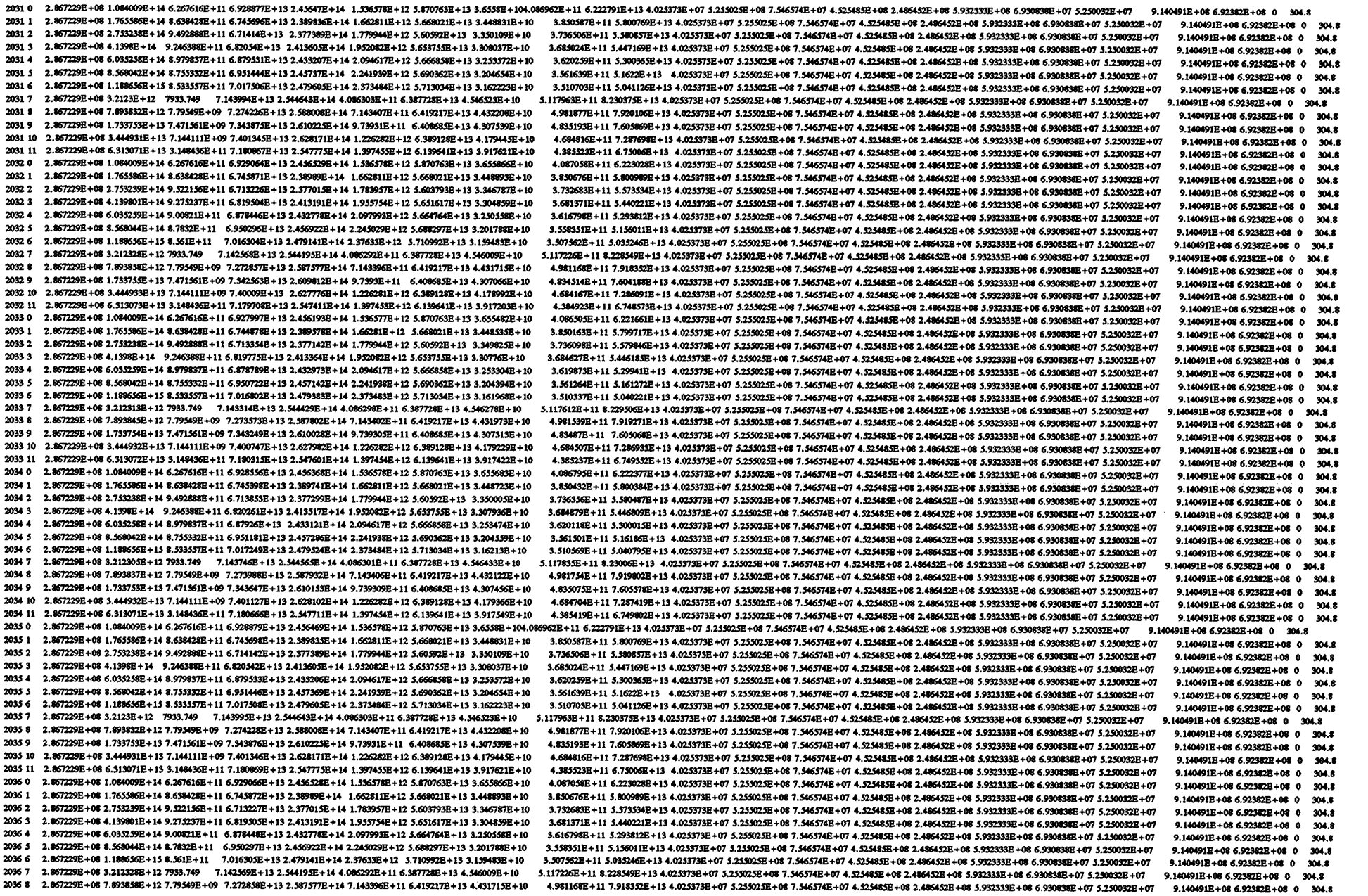

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2045	10	2.867229E+08	4.258829	0	258.0901	916.5581	.2663174	220	.1675205	1.906995	317.6147	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2045	11	2.867229E+08	4.274922	0	249.3289	888.5236	.2656472	220	.164433	1.862301	306.3556	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2046	0	2.867229E+08	4.293741	0	239.4604	856.7045	.2648656	220	.1608949	1.811365	293.6951	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2046	1	2.867229E+08	4.307996	0	232.2456	833.467	.2642751	220	.1582654	1.77371	284.4539	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2046	2	2.867229E+08	4.31081	0	230.8474	829.1275	.2641587	220	.1577515	1.76637	282.6644	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2046	3	2.867229E+08	4.303208	0	234.6445	841.7592	.2644733	220	.1591438	1.78627	287.5251	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2046	4	2.867229E+08	4.298956	0	236.7952	848.5965	.2646494	220	.1599278	1.797496	290.2797	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2046	5	2.867229E+08	4.293894	0	239.3819	857.0246	.2648593	220	.1608664	1.810957	293.5943	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2046	6	2.867229E+08	4.28928	0	241.7635	864.7804	.2650507	220	.1617265	1.82331	296.6478	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2046	7	2.867229E+08	4.275254	0	249.1516	887.4647	.2656334	220	.1643701	1.861391	306.128	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2046	8	2.867229E+08	4.266884	0	253.6668	902.5899	.2659818	220	.1659679	1.884491	311.9283	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2046	9	2.867229E+08	4.262441	0	256.0974	910.3397	.2661669	220	.1668226	1.896872	315.0525	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2046	10	2.867229E+08	4.258805	0	258.1033	916.5998	.2663184	220	.1675251	1.907062	317.6317	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2046	11	2.867229E+08	4.274899	0	249.3411	888.5622	.2656482	220	.1644374	1.862363	306.3713	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2047	0	2.867229E+08	4.293719	0	239.4717	856.7399	.2648666	220	.160899	1.811424	293.7096	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2047	1	2.867229E+08	4.307975	0	232.2561	833.5.264276	220	.1582692	1.773764	284.4673	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8	
2047	2	2.867229E+08	4.31079	0	230.8575	829.1591	.2641595	220	.1577551	1.766422	282.6771	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2047	3	2.867229E+08	4.303188	0	234.6544	841.79	.2644741	220	.1591474	1.786321	287.5377	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2047	4	2.867229E+08	4.298937	0	236.8048	848.6264	.2646502	220	.1599313	1.797547	290.2921	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2047	5	2.867229E+08	4.293876	0	239.3911	857.0537	.26486	220	.1608698	1.811005	293.6062	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2047	6	2.867229E+08	4.289263	0	241.7725	864.8088	.2650514	220	.1617298	1.823357	296.6592	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2047	7	2.867229E+08	4.275238	0	249.1602	887.4921	.2656341	220	.1643731	1.861436	306.1391	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2047	8	2.867229E+08	4.266869	0	253.6752	902.6162	.2659824	220	.1659708	1.884534	311.939	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2047	9	2.867229E+08	4.262426	0	256.1054	910.3649	.2661675	220	.1668254	1.896912	315.0626	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2047	10	2.867229E+08	4.258791	0	258.1109	916.6238	.266319	220	.1675278	1.9071	317.6416	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2047	11	2.867229E+08	4.274886	0	249.3482	888.5844	.2656487	220	.1644399	1.8624	306.3805	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2048	0	2.867229E+08	4.293706	0	239.4782	856.7603	.2648671	220	.1609014	1.811458	293.718	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2048	1	2.867229E+08	4.307963	0	232.2621	833.519	.2642764	220	.1582714	1.773795	284.4749	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2048	2	2.867229E+08	4.310875	0	230.8154	829.0286	.264156	220	.1577397	1.766201	282.6233	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2048	3	2.867229E+08	4.30328	0	234.6082	841.6456	.2644703	220	.1591306	1.78608	287.4786	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2048	4	2.867229E+08	4.299031	0	236.757	848.4771	.2646463	220	.159914	1.797298	290.231	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2048	5	2.867229E+08	4.293972	0	239.3414	856.8975	.264856	220	.1608518	1.810747	293.5425	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2048	6	2.867229E+08	4.289362	0	241.721	864.6468	.2650473	220	.1617112	1.82309	296.5932	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2048	7	2.867229E+08	4.275331	0	249.1105	887.3357	.2656302	220	.1643555	1.861181	306.0753	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2048	8	2.867229E+08	4.266957	0	253.6274	902.466	.2659787	220	.1659539	1.884289	311.8773	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2048	9	2.867229E+08	4.26251	0	256.0596	910.2209	.266164	220	.1668093	1.896679	315.0037	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2048	10	2.867229E+08	4.258871	0	258.0672	916.4862	.2663157	220	.1675124	1.906878	317.5852	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2048	11	2.867229E+08	4.274962	0	249.3077	888.4572	.2656456	220	.1644255	1.862192	306.3284	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2049	0	2.867229E+08	4.293778	0	239.441	856.6433	.2648641	220	.1608879	1.811265	293.6703	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2049	1	2.867229E+08	4.308033	0	232.2275	833.4101	.2642736	220	.1582588	1.773615	284.4307	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2049	2	2.867229E+08	4.310845	0	230.83	829.0728	.2641572	220	.157745	1.766278	282.6421	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2049	3	2.867229E+08	4.303241	0	234.6276	841.706	.2644719	220	.1591377	1.786182	287.5035	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2049	4	2.867229E+08	4.298988	0	236.7788	848.5448	.2646481	220	.1599219	1.797412	290.2589	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2049	5	2.867229E+08	4.293925	0	239.3659	856.9744	.264858	220	.1608607	1.810874	293.5739	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2049	6	2.867229E+08	4.28931	0	241.7479	864.7314	.2650494	220	.1617209	1.82323	296.6278	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2049	7	2.867229E+08	4.275282	0	249.1365	887.4174	.2656323	220	.1643647	1.861314	306.1087	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2049	8	2.867229E+08	4.266911	0	253.6523	902.5445	.2659807	220	.1659628	1.884417	311.9097	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2049	9	2.867229E+08	4.262466	0	256.0835	910.2961	.2661658	220	.1668177	1.896802	315.0347	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2049	10	2.867229E+08	4.258829	0	258.0901	916.5581	.2663174	220	.1675205	1.906995	317.6147	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2049	11	2.867229E+08	4.274922	0	249.3289	888.5236	.2656472	220	.164433	1.862301	306.3556	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2050	0	2.867229E+08	4.293741	0	239.4604	856.7045	.2648656	220	.1608949	1.811365	293.6951	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2050	1	2.867229E+08	4.307996	0	232.2456	833.467	.2642751	220	.1582654	1.77371	284.4539	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2050	2	2.867229E+08	4.31081	0	230.8474	829.1275	.2641587	220	.1577515	1.76637	282.6644	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2050	3	2.867229E+08	4.303208	0	234.6445	841.7592	.2644733	220	.1591438	1.78627	287.5251	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2050	4	2.867229E+08	4.298956	0	236.7952	848.5965	.2646494	220	.1599278	1.797496	290.2797	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2050	5	2.867229E+08	4.293894	0	239.3819	857.0246	.2648593	220	.1608664	1.810957	293.5943	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2050	6	2.867229E+08	4.28928	0	241.7635	864.7804	.2650507	220	.1617265	1.82331	296.6478	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2050	7	2.867229E+08	4.275254	0	249.1516	887.4647	.2656334	220	.1643701	1.861391	306.128	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2050	8	2.867229E+08	4.266884	0	253.6668	902.5899	.2659818	220	.1659679	1.884491	311.9283	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2050	9	2.867229E+08	4.262441	0	256.0974	910.3397	.2661669	220	.1668226	1.896872	315.0525	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2050	10	2.867229E+08	4.258805	0	258.1033	916.5998	.2663184	220	.1675251	1.907062	317.6317	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2050	11	2.867229E+08	4.274899	0	249.3411	888.5622	.2656482	220	.1644374	1.862363	306.3713	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2051	0	2.867229E+08	4.293719	0	239.4717	856.7399	.2648666	220	.160899	1.811424	293.7096	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2051	1	2.867229E+08	4.307975	0	232.2561	833.5.264276	220	.1582692	1.773764	284.4673	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8	
2051	2	2.867229E+08	4.31079	0	230.8575	829.1591	.2641595	220	.1577551	1.766422	282.6771	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2051	3	2.867229E+08	4.303188	0	234.6544	841.79	.2644741	220	.1591474	1.786321	287.5377	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2051	4	2.867229E+08	4.298937	0	236.8048	848.6264	.2646502	220	.1599313	1.797547	290.2921	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2051	5	2.867229E+08	4.293876	0	239.3911	857.0537	.26486	220	.1608698	1.811005	293.6062	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8
2051	6	2.867229E+08	4.289263	0	241.7725	864.8088	.2650514	220	.1617298	1.823357	296.6592	4.025373E+07	5.255025E+08	7.546574E+07	4.525485E+08	2.486452E+08	5.932333E+08	6.930838E+07	5.250032E+07	9.140491E+08	6.92382E+08	0	304.8

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Seawater Flooding of Pit

*** MINEWALL 2.0 REPORT ***

ISLAND COPPER MINE -
BASELINE CASE: NATURAL FILLING

Printed on 04-09-1995 at 11:37:04

** INPUT DATA **

OPERATION:
Simulations were performed on a Monthly Basis:
Starting Month/Year is 1/ 1985
Ending Month/Year is 6/ 1995
CLOSURE:
Simulations were performed on a Monthly Basis:
Starting Month/Year is 7/ 1995
Ending Month/Year is 1/ 2025

Geochemical Parameters in this simulation were:

pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)

Geochemical/Rock Units and their physicochemical characteristics were:

Unit Name	Strongly Acid Co	Acid Consuming	Acid Producing	Strongly Acid Pr	In-Pit Waste Roc
Unit #	1	2	3	4	5
Rate - Control	1: TIME^[F]	1: TIME^[F]	1: TIME^[F]	1: TIME^[F]	1: TIME^[F]
- max 'd', m	.01	.01	.01	.01	.01
Years Exposed	5	5	5	5	5
Wall Area, m^2	467300	250400	834500	116800	3.1E+08
- %Area Sloping	25	25	25	25	0
- Slope Angle	60	60	60	60	0
Ratio Total/Wall	161	161	161	161	1
- %Flushed Reg	30	30	30	30	10
- %Flushed Per	5	5	5	5	5
- %Not Flushed	65	65	65	65	85
Reactive %S	1.5	5	5	10	10
React ppt CaCO3	190	300	120	80	80
Spec. Grav.	3	3	3	3	3
React Al (ppm)	20000	20000	20000	30000	30000
React Ca (ppm)	20000	20000	20000	30000	30000
React Cd (ppm)	1	1	1	3	3
React Cu (ppm)	600	600	600	600	600
React Zn (ppm)	200	200	200	900	900

For each Geochemical Unit, the FACTOR in the rate-control equation was:

Unit	1	2	3	4	5
Factor	-.1	-.1	-.1	-.1	-.1

Periodic, non-regular fracture flushing over an annual period was:

Time	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
1	1	1	1	1	1
2	1	1	1	1	1
3	1	1	1	1	1
4	0	0	0	0	0
5	0	0	0	0	0
6	0	0	0	0	0
7	0	0	0	0	0
8	0	0	0	0	0
9	0	0	0	0	0
10	1	1	1	1	1
11	1	1	1	1	1
12	1	1	1	1	1

The following rates are decreased to 0 % when the Units are submerged

For each Geochemical Unit, the following rate information was used:
UNIT # 1
Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
1	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
2	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
3	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
4	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
5	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
6	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
7	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071

8	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
9	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
10	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
11	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071
12	0	11.4	11.4	19.4	7.31	.071	7.31	.001	.00146	.0071

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093707E-03	1.504474E-02
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093707E-03	1.504474E-02
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093707E-03	1.504474E-02
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093707E-03	1.504474E-02
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093707E-03	1.504474E-02
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093707E-03	1.504474E-02
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093707E-03	1.504474E-02
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093707E-03	1.504474E-02
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093707E-03	1.504474E-02
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093707E-03	1.504474E-02
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093707E-03	1.504474E-02
12	0	24.15634	24.15634	41.10816	15.48972	.1504474	15.48972	2.118977E-03	3.093707E-03	1.504474E-02

UNIT # 2

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
1	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
2	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
3	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
4	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
5	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
6	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
7	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
8	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
9	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
10	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
11	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071
12	0	1.27	1.27	3.39	6.25	.0186	1.32	.00071	.00127	.0071

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691101E-03	1.504474E-02
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691101E-03	1.504474E-02
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691101E-03	1.504474E-02
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691101E-03	1.504474E-02
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691101E-03	1.504474E-02
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691101E-03	1.504474E-02
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691101E-03	1.504474E-02
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691101E-03	1.504474E-02
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691101E-03	1.504474E-02
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691101E-03	1.504474E-02
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691101E-03	1.504474E-02
12	0	2.691101	2.691101	7.183333	13.24361	3.941298E-02	2.79705	1.504474E-03	2.691101E-03	1.504474E-02

UNIT # 3

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
1	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
2	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
3	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
4	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
5	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
6	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
7	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
8	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
9	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
10	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
11	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071
12	0	10.1	10.1	11.7	6.61	.153	4.57	.00071	.0027	.0071

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02

12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02
12	0	21.40167	21.40167	24.79203	14.00644	.3242035	9.683726	1.504474E-03	5.721239E-03	1.504474E-02

UNIT # 4

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
1	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
2	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
3	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
4	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
5	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
6	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
7	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
8	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
9	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
10	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
11	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
12	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02

UNIT # 5

Inputted Data:

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
1	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
2	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
3	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
4	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
5	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
6	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
7	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
8	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
9	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
10	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
11	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024
12	0	26.7	26.7	28.8	6.45	.06	10.7	.00071	.0088	.024

Adjusted Fresh Rates (at time of initial exposure):

* FLO/CONC/RATE Unit # 0

Month	Flow (m^3/d)	SO4 mg/m^2/d	Acid mg/m^2/d	NP mg/m^2/d	pH	Al mg/m^2/d	Ca mg/m^2/d	Cd mg/m^2/d	Cu mg/m^2/d	Zn mg/m^2/d
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02
12	0	56.57669	56.57669	61.02655	13.6674	.1271386	22.67306	1.504474E-03	.018647	5.085545E-02

Rate Acceleration Factor for each Unit when NP was depleted was:

Unit # 1 1
Unit # 2 1
Unit # 3 1
Unit # 4 1
Unit # 5 1

Mine dimensions and distribution of Geochemical Units in the mine were:

* PIT DIM'S

Important Pts.	Elev. (masl)	Cum.Vol.(m^3)	Area (m^2)	Unit# 1 (Cum.%)	Unit# 2 (Cum.%)	Unit# 3 (Cum.%)	Unit# 4 (Cum.%)	Unit# 5 (Cum.%)

Top of Mine							
400	2.867229E+08	2.458769E+07	100	100	100	100	100
Drain Level							
304.8	2.867229E+08	2.458769E+07	95	95	95	95	95
Equil. Level							
304.8	2.867229E+08	2.458769E+07	95	95	95	95	95
280.4	2.447867E+08	2.116863E+07	90	90	90	90	90
231.6	1.713932E+08	1.521497E+07	80	80	80	80	80
207.3	1.400377E+08	1.263228E+07	75	75	75	75	75
158.5	8.661631E+07	8200398	65	65	65	65	65
134.1	6.564806E+07	6424155	60	60	60	60	60
109.7	4.872557E+07	4938580	55	55	55	55	55
85.3	3.491008E+07	3681851	50	50	50	50	50
61	2.368923E+07	2633728	45	45	45	45	45
36.6	1.475111E+07	1764123	40	40	40	40	40
12.2	8342741	1090870	35	35	35	35	35
-12.2	4206031	607226	30	30	30	30	30
-36.6	1955403	279047	25	25	25	25	25
-61	791615	90513	20	20	20	20	20
-85.3	185428	14566	15	15	15	15	15
Bottom of Mine							
-109.7	0	1000	10	10	10	10	10

Characteristics of the Layers during Operation (Mine Bottom) and During Closure (others), if selected, were:

LAYER NUMBER:	0	1
LAYER NAME:	Mine Bottom	Pit Water
FLOWS:...	0	
-Precip (%)	100	100
-Evap (%)	100	100
-Runoff (%)	100	100
-Sat Flow (%)	100	100
-Pump#1 (%)	100	100
-Pump#2 (%)	100	100

CHEM:...
- -Mass Balance
- -Set Value
- -Equilibrium
- -Kinetic
- -Empirical

The geochemical control for each Parameter in each layer were:

The information used for each of the flows was:

* PIT PRECIP
* OPERATION

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	.0137	5	20	0	0	0	0	0	0	0
2	.0062	5	0	0	0	0	0	0	0	0
3	.00126	5	0	0	0	0	0	0	0	0
4	.00309	5	0	0	0	0	0	0	0	0
5	.00237	5	0	0	0	0	0	0	0	0
6	.00245	5	0	0	0	0	0	0	0	0
7	.000439	5	0	300	0	0	0	0	0	0
8	.00152	5	0	0	0	0	0	0	0	0
9	.00311	5	0	0	0	0	0	0	0	0
10	.00368	5	0	0	0	0	0	0	0	0
11	.0133	5	20	0	0	0	0	0	0	0
12	.0153	5	20	0	0	0	0	0	0	0

* CLOSURE

Time	Precip (m/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	.000439	5	0	300	0	0	0	0	0	0
8	.00152	5	0	0	0	0	0	0	0	0
9	.00301	5	0	0	0	0	0	0	0	0
10	.00368	5	0	0	0	0	0	0	0	0
11	.0133	5	20	0	0	0	0	0	0	0
12	.0153	5	20	0	0	0	0	0	0	0
1	.0137	5	20	0	0	0	0	0	0	0
2	.0062	5	0	0	0	0	0	0	0	0
3	.00126	5	0	0	0	0	0	0	0	0
4	.00309	5	0	0	0	0	0	0	0	0
5	.00237	5	0	0	0	0	0	0	0	0
6	.00245	5	0	0	0	0	0	0	0	0

* PIT SATUR GW
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	1500	8	1200	0	200	.001	300	.001	.01	.01

2	1500	8	1200	0	200	.001	300	.001	.01	.01
3	1500	8	1200	0	200	.001	300	.001	.01	.01
4	1500	8	1200	0	200	.001	300	.001	.01	.01
5	1500	8	1200	0	200	.001	300	.001	.01	.01
6	1500	8	1200	0	200	.001	300	.001	.01	.01
7	1500	8	1200	0	200	.001	300	.001	.01	.01
8	1500	8	1200	0	200	.001	300	.001	.01	.01
9	1500	8	1200	0	200	.001	300	.001	.01	.01
10	1500	8	1200	0	200	.001	300	.001	.01	.01
11	1500	8	1200	0	200	.001	300	.001	.01	.01
12	1500	8	1200	0	200	.001	300	.001	.01	.01

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	1500	8	1200	0	200	.001	300	.001	.01	.01
8	1500	8	1200	0	200	.001	300	.001	.01	.01
9	1500	8	1200	0	200	.001	300	.001	.01	.01
10	1500	8	1200	0	200	.001	300	.001	.01	.01
11	1500	8	1200	0	200	.001	300	.001	.01	.01
12	1500	8	1200	0	200	.001	300	.001	.01	.01
1	1500	8	1200	0	200	.001	300	.001	.01	.01
2	1500	8	1200	0	200	.001	300	.001	.01	.01
3	1500	8	1200	0	200	.001	300	.001	.01	.01
4	1500	8	1200	0	200	.001	300	.001	.01	.01
5	1500	8	1200	0	200	.001	300	.001	.01	.01
6	1500	8	1200	0	200	.001	300	.001	.01	.01

* PIT RUNOFF
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	0	7	200	0	0	0	0	0	0	0
2	8269	7	200	0	0	0	0	0	0	0
3	0	7	200	0	0	0	0	0	0	0
4	0	7	200	0	0	0	0	0	0	0
5	187	7	200	0	0	0	0	0	0	0
6	0	7	200	0	0	0	0	0	0	0
7	0	7	200	0	0	0	0	0	0	0
8	339	7	200	0	0	0	0	0	0	0
9	0	7	200	0	0	0	0	0	0	0
10	0	7	200	0	0	0	0	0	0	0
11	0	7	200	0	0	0	0	0	0	0
12	0	7	200	0	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	0	7	200	0	0	0	0	0	0	0
8	339	7	200	0	0	0	0	0	0	0
9	0	7	200	0	0	0	0	0	0	0
10	0	7	200	0	0	0	0	0	0	0
11	0	7	200	0	0	0	0	0	0	0
12	0	7	200	0	0	0	0	0	0	0
1	0	7	200	0	0	0	0	0	0	0
2	8269	7	200	0	0	0	0	0	0	0
3	0	7	200	0	0	0	0	0	0	0
4	0	7	200	0	0	0	0	0	0	0
5	187	7	200	0	0	0	0	0	0	0
6	0	7	200	0	0	0	0	0	0	0

* PIT EVAP
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	-11361	5	0	0	0	0	0	0	0	0
2	0	5	0	0	0	0	0	0	0	0
3	-26	5	0	0	0	0	0	0	0	0
4	-3620	5	0	0	0	0	0	0	0	0
5	0	5	0	0	0	0	0	0	0	0
6	-4023	5	0	0	0	0	0	0	0	0
7	-3965	5	0	0	0	0	0	0	0	0
8	0	5	0	0	0	0	0	0	0	0
9	-3710	5	0	0	0	0	0	0	0	0
10	-7977	5	0	0	0	0	0	0	0	0
11	-17910	5	0	0	0	0	0	0	0	0
12	-16203	5	0	0	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	-3965	5	0	0	0	0	0	0	0	0
8	0	5	0	0	0	0	0	0	0	0
9	-3710	5	0	0	0	0	0	0	0	0
10	-7977	5	0	0	0	0	0	0	0	0
11	-17910	5	0	0	0	0	0	0	0	0

12	-16203	5	0	0	0	0	0	0	0	0
1	-11361	5	0	0	0	0	0	0	0	0
2	0	5	0	0	0	0	0	0	0	0
3	-26	5	0	0	0	0	0	0	0	0
4	-3620	5	0	0	0	0	0	0	0	0
5	0	5	0	0	0	0	0	0	0	0
6	-4023	5	0	0	0	0	0	0	0	0

* PIT PUMP #1
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	1600000	7.7	400	0	4000	1	400	0	.002	.002
8	1600000	7.7	400	0	4000	1	400	0	.002	.002
9	1600000	7.7	400	0	4000	1	400	0	.002	.002
10	1600000	7.7	400	0	4000	1	400	0	.002	.002
11	1600000	7.7	400	0	4000	1	400	0	.002	.002
12	1600000	7.7	400	0	4000	1	400	0	.002	.002
1	1600000	7.7	400	0	4000	1	400	0	.002	.002
2	1600000	7.7	400	0	4000	1	400	0	.002	.002
3	1600000	7.7	400	0	4000	1	400	0	.002	.002
4	1600000	7.7	400	0	4000	1	400	0	.002	.002
5	1600000	7.7	400	0	4000	1	400	0	.002	.002
6	1600000	7.7	400	0	4000	1	400	0	.002	.002

* PIT PUMP #2
* OPERATION

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0

* CLOSURE

Time	Flow (m^3/d)	pH	Alk (mg/L)	Acid (mg/L)	SO4 (mg/L)	Al (mg/L)	Ca (mg/L)	Cd (mg/L)	Cu (mg/L)	Zn (mg/L)
7	320000	4	0	450	1570	35	310	.072	.73	18
8	320000	4	0	450	1570	35	310	.072	.73	18
9	310000	4	0	450	1570	35	310	.072	.73	18
10	320000	4	0	450	1570	35	310	.072	.73	18
11	320000	4	0	450	1570	35	310	.072	.73	18
12	320000	4	0	450	1570	35	310	.072	.73	18
1	320000	4	0	450	1570	35	310	.072	.73	18
2	289000	4	0	450	1570	35	310	.072	.73	18
3	320000	4	0	450	1570	35	310	.072	.73	18
4	320000	4	0	450	1570	35	310	.072	.73	18
5	320000	4	0	450	1570	35	310	.072	.73	18
6	310000	4	0	450	1570	35	310	.072	.73	18

During Operation, Pump #2 was adjusted to obtain no net accumulation of water

** SIMULATION RESULTS **

* OPERATION *

Non-cumulative Total Loadings and Flows Per Time Interval:

YEAR	Mnth	Flow(m^3/int)	pH(mg/int)	Alk(mg/int)	Ac(mg/int)	SO4(mg/int)	Al (mg/int)	Ca (mg/int)	Cd (mg/int)	Cu (mg/int)	Zn (mg/int)	1:S rem.(kg)	1:NProm.(kg)	2:S rem.(kg)	2:NProm.(kg)	3:S rem.(kg)	3:NProm.(kg)	4:S rem.(kg)	4:NProm.(kg)	5:S rem.(kg)	5:NProm.(kg)	Pump #2 (m^3/d)	Water Elevation (m)
1985	1	2.006071E+07	1.010011E+11	9.25339E+11	1.698095E+11	2.163095E+11	1.369126E+09	1.565889E+11	232.500	4.487354E+07	1.409935E+08	4.158427E+07	5.322951E+08	7.554543E+07	4.531844E+08	2.507505E+08	6.005495E+08	7.00873E+07	5.502088E+07	9.243218E+08	7.256237E+08	-2.006071E+07	-109.7
1985	2	9672974	5.084713E+10	6.435859E+11	1.532602E+11	1.952601E+11	1.235694E+09	1.413757E+11	210000	4.050186E+07	1.272542E+08	4.157418E+07	5.322436E+08	7.554482E+07	4.531796E+08	2.507345E+08	6.004941E+08	7.008139E+07	5.500177E+07	9.242439E+08	7.253715E+08	-9672974	-109.7
1985	3	2150873	1.145186E+10	5.072741E+11	1.695352E+11	2.160352E+11	1.366914E+09	1.564487E+11	232.500	4.480483E+07	1.407695E+08	4.156302E+07	5.321866E+08	7.554414E+07	4.531742E+08	2.507169E+08	6.004328E+08	7.007486E+07	5.498062E+07	9.241577E+08	7.250926E+08	-2150873	-109.7
1985	4	4457758	2.296379E+10	4.514961E+11	1.333734E+11	1.783733E+11	1.116922E+09	1.364961E+11	225.000	3.510446E+07	1.105767E+08	4.155222E+07	5.321315E+08	7.55435E+07	4.531691E+08	2.506998E+08	6.003734E+08	7.006854E+07	5.496018E+07	9.240744E+08	7.24823E+08	-4457758	-109.7
1985	5	3868603	2.008689E+10	4.710254E+11	1.377027E+11	1.842028E+11	1.153179E+09	1.409858E+11	232.500	3.624594E+07	1.141682E+08	4.154108E+07	5.320746E+08	7.554283E+07	4.531637E+08	2.506822E+08	6.003121E+08	7.006201E+07	5.493906E+07	9.239884E+08	7.245446E+08	-3868603	-109.7
1985	6	3477321	1.80616E+10	4.512004E+11	1.331561E+11	1.78156E+11	1.115102E+09	1.363838E+11	225.000	3.505091E+07	1.104003E+08	4.15303E+07	5.320196E+08	7.554218E+07	4.531585E+08	2.506651E+08	6.002529E+08	7.00557E+07	5.491865E+07	9.239052E+08	7.242754E+08	-3477321	-109.7
1985	7	532982.8	3.362414E+09	4.660851E+11	3.382486E+11	1.839803E+11	1.151316E+09	1.408707E+11	232.500	3.619115E+07	1.139874E+08	4.151918E+07	5.319628E+08	7.554152E+07	4.531532E+08	2.506475E+08	6.001917E+08	7.004919E+07	5.489757E+07	9.238193E+08	7.239974E+08	-532982.8	-109.7
1985	8	2591680	1.373997E+10	4.743379E+11	1.37367E+11	1.838671E+11	1.150369E+09	1.408121E+11	232.500	3.616321E+07	1.138955E+08	4.150806E+07	5.31906E+08	7.554086E+07	4.531479E+08	2.506299E+08	6.001306E+08	7.004268E+07	5.487651E+07	9.237334E+08	7.237196E+08	-2591680	-109.7
1985	9	4479163	2.307081E+10	4.50762E+11	1.32834E+11	1.778339E+11	1.112407E+09	1.362171E+11	225.000	3.497155E+07	1.101387E+08	4.149731E+07	5.318511E+08	7.554021E+07	4.531427E+08	2.506129E+08	6.000714E+08	7.003638E+07	5.485614E+07	9.236504E+08	7.234511E+08	-4479163	-109.7
1985	10	5100567	2.620033E+10	7.448469E+11	3.546251E+11	4.011251E+11	2.606181E+09	2.462911E+11	232.500	9.46161E+07	2.954932E+08	4.148621E+07	5.317944E+08	7.553955E+07	4.531374E+08	2.505954E+08	6.000104E+08	7.002989E+07	5.483512E+07	9.235647E+08	7.231738E+08	-5100567	-109.7
1985	11	1.823408E+07	9.184538E+10	8.81917E+11	1.63017E+11	2.08017E+11	1.31436E+09	1.508652E+11	225.000	4.309653E+07	1.353716E+08	4.147548E+07	5.317396E+08	7.55389E+07	4.531323E+08	2.505784E+08	5.999514E+08	7.002361E+07	5.481479E+07	9.234819E+08	7.229056E+08	-1.823408E+07	-109.7
1986	0	2.20495E+07	1.10945E+11	9.721105E+11	1.683163E+11	2.148162E+11	1.357088E+09	1.558254E+11	232.500	4.44994E+07	1.397743E+08	4.14644E+07	5.316831E+08	7.553824E+07	4.53127E+08	2.505608E+08	5.998905E+08	7.001712E+07	5.47938E+07	9.233963E+08	7.226287E+08	-2.20495E+07	-109.7
1986	1	2.006071E+07	1.010011E+11	9.212407E+11	1.667638E+11	2.132657E+11	1.344589E+09	1.530324E+11	232.500	4.411087E+07	1.385088E+08	4.145341E+07	5.31627E+08	7.553758E+07	4.531217E+08	2.505434E+08	5.998301E+08	7.00107E+07	5.4773E+07	9.233116E+08	7.223544E+08	-2.006071E+07	-109.7
1986	2	9672974	5.084713E+10	6.399123E+11	1.505319E+11	1.925317E+11	1.2137E+09	1.399805E+11	210000	3.981822E+07	1.250263E+08	4.14435E+07	5.315764E+08	7.553699E+07	4.53117E+08	2.505278E+08	5.997756E+08	7.00049E+07	5.475422E+07	9.23235E+08	7.221069E+08	-9672974	-109.7
1986	3	2150873	1.145186E+10	5.032419E+11	1.665407E+11	2.130406E+11	1.342774E+09	1.549173E+11	232.500	4.405447E+07	1.383242E+08	4.143254E+07	5.315204E+08	7.553634E+07	4.531117E+08	2.505104E+08	5.997152E+08	6.999847E+07	5.473344E+07	9.231504E+08	7.21833E+08	-2150873	-109.7
1986	4	4457758	2.296379E+10	4.483134E+11	1.310345E+11	1.760345E+11	1.09734E+09	1.352861E+11	225.000	3.452832E+07	1.086772E+08	4.142194E+07	5.314663E+08	7.55357E+07	4.531066E+08	2.504936E+08	5.996569E+08	6.999226E+07	5.471336E+07	9.230685E+08	7.21568E+08	-4457758	-109.7
1986	5	3868603	2.008689E+10	4.677643E+11	1.353064E+11	1.818064E+11	1.133116E+09	1.397461E+11	232.500	3.565563E+07	1.122219E+08	4.141099E+07	5.314104E+08	7.553505E+07	4.531014E+08	2.504763E+08	5.995967E+08	6.998586E+07	5.469261E+07	9.22984E+08	7.212944E+08	-3868603	-109.7
1986	6	3477321	1.80616E+10	4.480696E+11	1.308554E+11	1.758554E+11	1.09584E+09	1.351936E+11	225.000	3.44842E+07	1.085317E+08	4.14004E+07	5.313564E+08	7.553441E+07	4.530963E+08	2.504595E+08	5.995385E+08	6.997966E+07	5.467255E+07	9.229021E+08	7.210298E+08	-3477321	-109.7
1986	7	532982.8	3.362414E+09	4.628768E+11	3.358911E+11	1.816228E+11	1.131578E+09	1.396512E+11	232.500	3.56104E+07	1.120727E+08	4.138947E+07	5.313005E+08	7.553375E+07	4.530911E+08	2.504422E+08	5.994784E+08	6.997326E+07	5.465184E+07	9.228177E+08	7.207567E+08	-532982.8	-109.7
1986	8	2591680	1.373997E+10	4.711563E+11	1.350291E+11	1.815291E+11	1.130793E+09	1.396026E+11	232.500	3.55873E+07	1.119966E+08	4.137854E+07	5.312447E+08	7.55331E+07	4.530859E+08	2.504249E+08	5.994182E+08	6.996686E+07	5.463113E+07	9.227333E+08	7.204836E+08	-2591680	-109.7
1986	9	4479163	2.307081E+10	4.477071E+11	1.305889E+11	1.755889E+11	1.093608E+09	1.350558E+11	225.000	3.441855E+07	1.083152E+08	4.136797E+07	5.311908E+08	7.553246E+07	4.530808E+08	2.504082E+08	5.993601E+08	6.996067E+07	5.461111E+07	9.226517E+08	7.202196E+08	-4479163	-109.7
1986	10	5100567	2.620033E+10	7.369273E+11	3.485945E+11	3.950945E+11	2.561917E+09	2.432896E+11	232.500	9.30479E+07	2.90507E+08	4.135706E+07	5.311351E+08	7.553182E+07	4.530756E+08	2.50391E+08	5.993002E+08	6.995429E+07	5.459044E+07	9.225674E+08	7.199471E+08	-5100567	-109.7
1986	11	1.823408E+07	9.184538E+10	8.782596E+11	1.603008E+11	2.053008E+11	1.292464E+09	1.494763E+11	225.000	4.241598E+07	1.331536E+08	4.13465E+07	5.310812E+08	7.553118E+07	4.530705E+08	2.503742E+08	5.992422E+08	6.99481E+07	5.457044E+07	9.22486E+08	7.196834E+08	-1.823408E+07	-109.7
1987	0	2.20495E+07	1.10945E+11	9.689617E+11	1.655323E+11	2.120323E+11	1.334646E+09	1.544016E+11	232.500	4.380184E+07	1.375007E+08	4.13356E+07	5.310256E+08	7.553053E+07	4.530652E+08	2.50357E+08	5.991822E+08	6.994173E+07	5.45498E+07	9.224018E+08	7.194111E+08	-2.20495E+07	-109.7
1987	1	2.006071E+07	1.010011E+11	9.178288E+11	1.642317E+11	2.107316E+11	1.324162E+09	1.537966E+11	232.500	4.347596E+07	1.364387E+08	4.132479E+07	5.309704E+08	7.552989E+07	4.530601E+08	2.503399E+08	5.991228E+08	6.99354E+07	5.452932E+07	9.223184E+08	7.191409E+08	-2.006071E+07	-109.7
1987	2	9672974	5.084713E+10	6.368501E+11	1.482578E+11	1.902578E+11	1.195367E+09	1.388177E+11	210000	3.924842E+07	1.231692E+08	4.131503E+07	5.309206E+08	7.55293E+07	4.530554E+08	2.503245E+08	5.990691E+08	6.992968E+07	5.451082E+07	9.22243E+08	7.18897E+08	-9672974	-109.7
1987	3	2150873	1.145186E+10	4.998768E+11	1.640414E+11	2.105414E+11	1.322625E+09	1.536392E+11	232.500	4.342822E+07	1.362832E+08	4.130422E+07	5.308654E+08	7.552866E+07	4.530503E+08	2.503074E+08	5.990098E+08	6.992336E+07	5.449036E+07	9.221597E+08	7.186271E+08	-2150873	-109.7
1987	4	4457758	2.296379E+10	4.456539E+11	1.290802E+11	1.7408E+11	1.080977E+09	1.342752E+11	225.000	3.40469E+07	1.070899E+08	4.129378E+07	5.308121E+08	7.552804E+07	4.530452E+08	2.502908E+08	5.989523E+08	6.991725E+07	5.447058E+07	9.220791E+08	7.183661E+08	-4457758	-109.7
1987	5	3868603	2.008689E+10	4.650359E+11	1.333016E+11	1.798015E+11	1.116328E+09	1.387089E+11	232.500	3.516178E+07	1.105934E+08	4.128298E+07	5.307571E+08	7.552739E+07	4.530401E+08	2.502738E+08	5.98893E+08	6.991093E+07	5.445014E+07	9.219958E+08	7.180966E+08	-3868603	-109.7
1987	6	3477321	1.80616E+10	4.454471E+11	1.289281E+11	1.739281E+11	1.079705E+09	1.341966E+11	225.000	3.400946E+07	1.069664E+08	4.127255E+07	5.307038E+08	7.552678E+07	4.530351E+08	2.502573E+08	5.988356E+08	6.990482E+07	5.443037E+07	9.219153E+08	7.17836E+08	-3477321	-109.7
1987	7	532982.8	3.362414E+09	4.601863E+11	3.339138E+11	1.796454E+11	1.115023E+09	1.386283E+11	232.500	3.512332E+07	1.104667E+08	4.126178E+07	5.306488E+08	7.552613E+07	4.530299E+08	2.502402E+08	5.987764E+08	6.989851E+07	5.440996E+07	9.218321E+08	7.175667E+08	-532982.8	-109.7
1987	8	2591680	1.373997E+10	4.684848E+11	1.330656E+11	1.793657E+11	1.114356E+09	1.385878E+11	232.500	3.510369E+07	1.104019E+08	4.125101E+07	5.305938E+08	7.552548E+07	4.530248E+08	2.502232E+08	5.987171E+08	6.989221E+07	5.438956E+07	9.217489E+08	7.172977E+08	-2591680	-109.7
1987	9	4479163	2.307081E+10	4.451385E+11	1.287015E+11	1.737014E+11	1.077805E+09	1.340793E+11	225.000	3.395359E+07	1.067822E+08	4.12406E+07	5.305406E+08	7.552486E+07	4.530198E+08	2.502067E+08	5.986598E+08	6.98861E+07	5.436983E+07	9.216685E+08	7.170374E+08	-4479163	-109.7
1987	10	5100567	2.620033E+10	7.302756E+11	3.435295E+11	3.900294E+11	2.524735E+09	2.407691E+11	232.500	9.172918E+07	2.863193E+08	4.122984E+07	5.304857E+08	7.552422E+07	4.530146E+08	2.501897E+08	5.986006E+08	6.987981E+07	5.434946E+07	9.215854E+08	7.167687E+08	-5100567	-109.7
1987	11	1.823408E+07	9.184538E+10	8.751778E+11	1.580119E+11	2.030122E+11	1.274015E+09	1.483059E+11	225.000	4.184251E+07	1.312847E+08	4.121944E+07	5.304326E+08	7.552359E+07	4.530097E+08	2.501732E+08	5.985434E+08	6.987371E+07	5.432975E+07	9.215051E+08	7.165088E+08	-1.823408E+07	-109.7
1988	0	2.20495E+07	1.10945E+11	9.651994E+11	1.631835E+11	2.096836E+11	1.315711E+09	1.532005E+11	232.500	4.321332E+07	1.355828E+08	4.12087E+07	5.303777E+08	7.552295E+07	4.530046E+08	2.501562E+08	5.984844E+08	6.986742E+07	5.430939E+07	9.214221E+08	7.162404E+08	-2.20495E+07	-109.7
1988	1	2.006071E+07	1.010011E+11	9.149124E+11	1.62066E+11	2.085659E+11	1.306702E+09	1.526289E+11	232.500	4.293328E+07	1.346701E+08	4.119803E+07	5.303233E+08	7.552231E+07	4.529994E+08	2.501393E+08	5.984257E+08	6.986118E+07	5.428916E+07	9.213397E+08	7.159738E+08	-2.006071E+07	-109.7
1988	2	1.001844E+07	5.266309E+10	6.568822E+11	1.515381E+11	1.95038E+11	1.221817E+09	1.42745E+11	217500	4.014533E+07	1.259228E+08	4.118805E+07	5.302723E+08	7.552171E+07	4.529947E+08	2.501236E+08	5.983709E+08	6.985534E+07	5.427028E+07	9.212627E+08	7.157245E+08	-1.001844E+07	-109.7
1988	3	2150873	1.145186E+10	4.969951E+11	1.619012E+11	2.084014E+11	1.305375E+09	1.525447E+11	232.500	4.289204E+07	1.345355E+08	4.117739E+07	5.302179E+08	7.552108E+07	4.529895E+08	2.501067E+08	5.983123E+08	6.98491E+07	5.425008E+07	9.211804E+08	7.154582E+08	-2150873	-109.7
1988	4	4457758	2.296379E+10	4.433744E+11	1.274052E+11	1.724052E+11	1.066953E+09	1.334087E+11	225.000	3.36343E+07	1.057294E+08	4.116708E+07	5.301652E+08	7.552046E+07	4.529846E+08	2.500904E+08	5.982556E+08	6.984306E+07	5.423055E+07	9.211009E+08	7.152006E+08	-4457758	-109.7
1988	5	3868603	2.008689E+10	4.626954E+11	1.315815E+11	1.780615E+11	1.101929E+09	1.378192E+11	232.500	3.473807E+07	1.091964E+08	4.115643E+07	5.301109E+08	7.551982E+07	4.529795E+08	2.500735E+08	5.98197E+08	6.983683E+07	5.421038E+07	9.210186E+08	7.149345E+08	-3868603	-109.7
1988	6	3477321	1.80616E+10	4.431954E+11	1.272734E+11	1.722734E+11	1.065849E+09	1.333405E+11	225.000	3.360181E+07	1.056223E+08	4.114613E+07	5.300583E+08	7.55192E+07	4.529746E+08	2.500567E+08	5.981404E+08	6.98308E+07	5.419086E+07	9.209392E+08	7.146772E+08	-3477321	-109.7
1988	7	532982.8	3.362414E+09	4.578736E+11	3.322145E+11	1.779462E+11	1.100795E+09	1.377492E+11	232.500	3.470473E+07	1.090865E+08	4.113549E+07	5.30004E+08	7.551856E+07	4.529695E+08	2.500404E+08	5.980819E+08	6.982458E+07	5.417072E+07	9.208571E+08	7.144115E+08	-532982.8	-109.7
1988	8	2591680	1.373997E+10	4.661867E+11	1.31377E+11	1.778769E+11	1.100215E+09	1.377134E+11	232.500	3.468767E+07	1.090302E+08	4.112486E+07	5.299497E+08	7.551792E+07	4.529644E+08	2.500236E+08	5.980234E+08	6.981835E+07	5.415058E+07	9.20775E+08	7.141459E+08	-2591680	-109.7
1988	9	4479163	2.307081E+10	4.429272E+11	1.270765E+11	1.720765E+11	1.064201E+09	1.332387E+11	225.000	3.355335E+07	1.054625E+08	4.111457E+07	5.298972E+08	7.55173E+07	4.529595E+08	2.500073E+08	5.979668E+08	6.981234E+07	5.41311E+07	9.206956E+08	7.13889E+08	-4479163	-109.7
1988	10	5100567	2.620033E+10	7.245533E+11	3.391725E+11	3.856725E+11	2.492743E+09	2.386005E+11	232.500	9.05949E+07	2.827169E+08	4.110394E+07	5.29843E+08	7.551666E+07	4.529545E+08	2.499905E+08	5.979084E+08	6.980611E+07	5.411098E+07	9.206136E+08	7.136236E+08	-5100567	-109.7
1988	11	1.823408E+07	9.184538E+10	8.725203E+11	1.560382E+11	2.010382E+11	1.258104E+09	1.472965E+11	225.000	4.134793E+07	1.296728E+08	4.109367E+07	5.297906E+08	7.551605E+07	4.529496E+08	2.499743E+08	5.978518E+08	6.98001E+07	5.409152E+07	9.205343E+08	7.13367E+08	-1.823408E+07	-109.7
1989	0	2.20495E+07	1.10945E+11	9.624696E+11	1.611562E+11	2.076562E+11	1.299369E+09	1.521638E+11	232.500	4.270534E+07	1.339272E+08	4.108306E+07	5.297364E+08	7.551541E+07	4.529445E+08	2.499575E+08	5.977935E+08	6.979389E+07	5.407141E+07	9.204524E+08	7.131019E+08	-2.20495E+07	-109.7
1989	1	2.006071E+07	1.010011E+11	9.123639E+11	1.601731E+11	2.066731E+11	1.291444E+09	1.51661E+11	232.500	4.2459E+07	1.331244E+08	4.107252E+07	5.296826E+08	7.551477E+07	4.529394E+08	2.499408E+08	5.977356E+08	6.97877E+07	5.405143E+07	9.203709E+08	7.129384E+08	-2.006071E+07	-109.7
1989	2	9672974	5.084713E+10	6.319403E+11	1.446113E+11	1.856112E+11	1.165972E+09	1.369528E+11	210000	3.833472E+07	1.201914E+08	4.1063E+07	5.29634E+08	7.551421E+07	4.529349E+08	2.499258E+08	5.976832E+08	6.978214E+07	5.40334E+07	9.202974E+08	7.126006E+08	-9672974	-109.7
1989	3	2150873	1.145186E+10	4.944734E+11	1.600283E+11	2.065282E+11	1.290276E+09	1.515869E+11	232.500	4.24227E+07	1.330061E+08	4.105246E+07	5.295802E+08	7.551358E+07	4.529298E+08	2.499091E+08	5.976253E+08	6.977596E+07	5.401344E+07	9.202161E+08	7.123373E+08	-2150873	-109.7
1989	4	4457758	2.296379E+10	4.413784E+11	1.269382E+11	1.709383E+11	1.05467E+09	1.326498E+11	225.000	3.327291E+07	1.045379E+08	4.104227E+07	5.295282E+08	7.551297E+07	4.529249E+08	2.49893E+08	5.975692E+08	6.976999E+07	5.399413E+07	9.201373E+08	7.120828E+08	-4457758	-109.7
1989	5	3868603	2.008689E+10	4.606443E+11	1.300742E+11	1.76574E+11	1.089307E+09	1.370394E+11	232.500	3.436675E+07	1.079721E+08	4.103174E+07	5.294744E+08	7.551234E+07	4.529199E+08	2.498763E+08	5.975113E+08	6.976383E+07	5.397419E+07	9.200561E+08	7.118198E+08	-3868603	-109.7
1989	6	3477321	1.80616E+10	4.412205E+11	1.258223E+11	1.708222E+11	1.053699E+09	1.325898E+11	225.000	3.324435E+07	1.044437E+08	4.102136E+07	5.294225E+08	7.551173E+07	4.529151E+08	2.498602E+08	5.974553E+08	6.975787E+07	5.39549E+07	9.199774E+08	7.115654E+08	-3477321	-109.7
1989	7	532982.8	3.362414E+09	4.558441E+11	3.307232E+11	1.764549E+11	1.068309E+09	1.369777E+11	232.500	3.43573E+07	1.078752E+08	4.101105E+07	5.293688E+08	7.55111E+07	4.529101E+08	2.498435E+08	5.973974E+08	6.975172E+07	5.393498E+07	9.198963E+08	7.113025E+08	-532982.8	-109.7
1989	8	2591680	1.373997E+10	4.641682E+11	1.298938E+11	1.763937E+11	1.087796E+09	1.369461E+11	232.500	3.432228E+07	1.078257E+08	4.100054E+07	5.293151E+08	7.551046E+07	4.529051E+08	2.498269E+08	5.973397E+08	6.974557E+07	5.391507E+07	9.198152E+08	7.110399E+08	-2591680	-109.7
1989	9	4479163	2.307081E+10	4.40984E+11	1.256485E+11	1.706485E+11	1.052244E+09	1.324999E+11	225.000	3.320153E+07	1.043025E+08	4.099037E+07	5.292632E+08	7.550986E+07	4.529003E+08	2.498108E+08	5.972837E+08	6.973962E+07	5.389581E+07	9.197367E+08	7.107859E+08	-4479163	-109.7
1989	10	5100567	2.620033E+10	7.195268E+11	3.353455E+11	3.818455E+11	2.464642E+09	2.366957E+11	232.500	8.959861E+07	2.795529E+08	4.097987E+07	5.292096E+08	7.550922E+07	4.528952E+08	2.497942E+08	5.97226E+08	6.973346E+07	5.387592E+07	9.196556E+08	7.105236E+08	-5100567	-109.7
1989	11	1.823408E+07	9.184538E+10	8.701818E+11	1.543013E+11	1.993013E+11	1.244102E+09	1.464082E+11	225.000	4.091272E+07	1.282544E+08	4.096971E+07	5.291577E+08	7.550862E+07	4.528904E+08	2.497781E+08	5.971701E+08	6.972752E+07	5.385667E+07	9.19577E+08	7.102698E+08	-1.823408E+07	-109.7
1990	0	2.20495E+07	1.10945E+11	9.600658E+11	1.59371E+11	2.058712E+11	1.284978E+09	1.512508E+11	232.500	4.225799E+07	1.324694E+08	4.095922E+07	5.291041E+08	7.550798E+07	4.528854E+08	2.497615E+08	5.971124E+08	6.972138E+07	5.38368E+07	9.194963E+08	7.100076E+08	-2.20495E+07	-109.7
1990	1	2.006071E+07	1.010011E+11	9.101145E+11	1.585024E+11	2.050025E+11	1.277976E+09	1.508067E+11	232.500	4.204041E+07	1.317602E+08	4.094878E+07	5.290308E+08	7.550736E+07	4.528804E+08	2.49745E+08	5.97055E+08	6.971526E+07	5.381702E+07	9.194157E+08	7.097469E+08	-2.006071E+07	-109.7
1990	2	9672974	5.084713E+10	6.299175E+11	1.43109E+11	1.85109E+11	1.153861E+09	1.361846E+11	210000	3.795832E+07	1.189647E+08	4.093936E+07	5.290027E+08	7.55068E+07	4.528759E+08	2.497301E+08	5.970031E+08	6.970974E+07	5.379917E+07	9.19343E+08	7.095115E+08	-9672974	-109.7

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Cumulative Flows and Concentrations Per Time Interval for Layer 1 : Pit Water

YEAR	Mnth	Vol (m^3/Lyr)	pH	Alk(mg/L)	Aci	SO4(mg/L)	Al (mg/L)	Ca	Cd (mg/L)	Ca (mg/L)	Zn (mg/L)	1:Srem.(kg)	1:NPrem.(kg)	2:Srem.(kg)	2:NPrem.(kg)	3:Srem.(kg)	3:NPrem.(kg)	4:Srem.(kg)	4:NP rem.(kg)	5:S rem. (kg)	5:NP (kg)	Pump #2 Water Elev (m)	
1995	7	6.005298E+07	9.325228	468.0954	0	4374.208	.1204715	220	4.794418E-04	1.091075E-03	3.691718E-03	4.02936E+07	5.257059E+08	7.546814E+07	4.525676E+08	2.487083E+08	5.934525E+08	6.933171E+07	5.257583E+07	9.143571E+08	6.935777E+08	0	126.0326
1995	8	1.221647E+08	9.496953	541.8421	0	4292.918	.1172755	220	3.931242E-04	8.471304E-04	2.511702E-03	4.02907E+07	5.256911E+08	7.546798E+07	4.525663E+08	2.487037E+08	5.934366E+08	6.933002E+07	5.257034E+07	9.143347E+08	6.933058E+08	0	190.9731
1995	9	1.837963E+08	9.766286	681.5942	0	4413.938	.1124327	220	2.879551E-04	5.696095E-04	1.372897E-03	4.028886E+07	5.256817E+08	7.546786E+07	4.525654E+08	2.487008E+08	5.934265E+08	6.932894E+07	5.256684E+07	9.143204E+08	6.932991E+08	0	239.8469
1995	10	2.484169E+08	10.06177	876.7064	0	4650.909	.1073494	220	2.046411E-04	3.685267E-04	7.076829E-04	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	282.5121
1995	11	2.867229E+08	10.44889	1219.238	0	5034.95	.1010359	220	1.308153E-04	2.083109E-04	2.970186E-04	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1996	0	2.867229E+08	10.95139	1870.749	0	5930.222	9.339106E-02	220	7.318152E-05	9.933658E-05	9.623751E-05	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1996	1	2.867229E+08	11.43364	2821.29	0	7309.939	.0865989	220	4.190948E-05	4.88036E-05	3.263124E-05	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1996	2	2.867229E+08	11.88726	4152.262	0	9304.097	8.066155E-02	220	2.480835E-05	2.501247E-05	1.179813E-05	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1996	3	2.867229E+08	12.30927	5948.806	0	12005.01	7.550394E-02	220	1.523165E-05	1.342974E-05	4.579009E-06	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1996	4	2.867229E+08	12.70117	8306.799	0	15492.06	7.101012E-02	220	9.683047E-06	7.537898E-06	1.901337E-06	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1996	5	2.867229E+08	13.06513	11336.21	0	19938.02	6.706613E-02	220	6.350439E-06	4.402282E-06	8.386698E-07	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1996	6	2.867229E+08	13.40693	15155.33	0	25507.46	6.358117E-02	220	4.282724E-06	2.664178E-06	3.905241E-07	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1996	7	2.867229E+08	13.18858	12582.71	0	21721.8	6.579255E-02	220	5.512319E-06	3.67545E-06	6.372734E-07	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1996	8	2.867229E+08	12.99987	107140	18954.69	6.776553E-02	220	6.859222E-06	4.853822E-06	9.730331E-07	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8	
1996	9	2.867229E+08	12.83948	9345.644	0	16917.05	6.948884E-02	220	8.25238E-06	6.14795E-06	1.394257E-06	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1996	10	2.867229E+08	12.69284	8248.016	0	15278.61	7.110287E-02	220	9.7768E-067.631068E-06	1.937217E-06	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8	
1996	11	2.867229E+08	12.54158	7250.754	0	13723.86	7.280694E-02	220	1.164472E-05	9.536551E-06	2.7196E-06	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1997	0	2.867229E+08	12.39888	6420.734	0	12418.4	7.445199E-02	220	1.373295E-05	1.176844E-05	3.745364E-06	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1997	1	2.867229E+08	12.27554	5780.288	0	11417.24	7.590376E-02	220	1.583724E-05	1.411416E-05	4.93884E-06	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1997	2	2.867229E+08	12.18802	5364.951	0	10792.87	7.695111E-02	220	1.752332E-05	1.603721E-05	6.009977E-06	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1997	3	2.867229E+08	12.10851	5013.575	0	10290.67	7.791507E-02	220	1.92101E-05	1.805326E-05	7.183141E-06	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1997	4	2.867229E+08	12.03392	4704.913	0	9841.749	.0788303	220	2.093972E-05	2.015067E-05	8.491007E-06	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1997	5	2.867229E+08	11.96285	4428.484	0	9441.873	7.971243E-02	220	2.273259E-05	2.237563E-05	9.958249E-06	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1997	6	2.867229E+08	11.89901	4194.063	0	9103.744	.0805132	220	2.447349E-05	2.458285E-05	1.149111E-05	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1997	7	2.867229E+08	11.69122	3513.582	0	8149.706	8.317585E-02	220	3.111785E-05	3.33904E-05	1.831283E-05	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1997	8	2.867229E+08	11.51311	3018.92	0	7438.867	.085528	220	3.823121E-05	4.341187E-05	2.730418E-05	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1997	9	2.867229E+08	11.36291	2636.306	0	6906.345	8.756324E-02	220	4.547968E-05	5.416705E-05	3.824037E-05	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1997	10	2.867229E+08	11.22654	2364.93	0	6474.476	8.945313E-02	220	5.324506E-05	6.622429E-05	5.192237E-05	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1997	11	2.867229E+08	11.08545	2097.081	0	6011.3	9.145124E-02	220	6.267671E-05	8.152946E-05	7.124848E-05	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1998	0	2.867229E+08	10.95315	1873.552	0	5613.467	9.336535E-02	220	7.30329E-05	9.907948E-05	9.58587E-05	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1998	1	2.867229E+08	10.841701.38	0	5313.09	9.503417E-02	220	8.323745E-05	1.170372E-04	1.233485E-04	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8	
1998	2	2.867229E+08	10.76158	1591.424	0	5145.725	9.620824E-02	220	9.113505E-05	1.313974E-04	1.473052E-04	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1998	3	2.867229E+08	10.69158	1499.287	0	5031.479	9.726857E-02	220	9.881598E-05	1.456764E-04	1.723462E-04	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1998	4	2.867229E+08	10.62606	1417.891	0	4922.667	9.827153E-02	220	1.065901E-04	1.604428E-04	1.996253E-04	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1998	5	2.867229E+08	10.56423	1345.129	0	4827.581	9.922762E-02	220	1.144877E-04	1.7575E-04	2.293211E-04	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1998	6	2.867229E+08	10.50927	1283.605	0	4748.198	.1000851	220	1.219957E-04	1.905744E-04	2.593982E-04	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1998	7	2.867229E+08	10.33397	1105.529	0	4546.015	.1028702	220	1.493982E-04	2.467498E-04	3.843349E-04	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1998	8	2.867229E+08	10.18735	975.7062	0	4381.164	.1052593	220	1.769911E-04	3.062649E-04	5.339776E-04	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1998	9	2.867229E+08	10.06636	880.1399	0	4248.282	.1072723	220	2.035587E-04	3.660434E-04	7.004383E-04	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1998	10	2.867229E+08	9.958458	802.8408	0	4136.784	.1091220	2.305974E-04	4.291282E-04	8.922002E-04	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8	
1998	11	2.867229E+08	9.844672	728.6666	0	3963.446	.1110612	220	2.630115E-04	5.074695E-04	1.151568E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1999	0	2.867229E+08	9.739428	666.175	0	3806.608	.1129065	220	2.97035E-04	5.926067E-04	1.458135E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1999	1	2.867229E+08	9.651966	618.3403	0	3692.303	.1144633	220	3.286346E-04	6.741273E-04	1.77413E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1999	2	2.867229E+08	9.59584	589.4684	0	3646.283	.1154737	220	3.506621E-04	7.322559E-04	2.012114E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1999	3	2.867229E+08	9.548495	566.1653	0	3635.048	.1163328	220	3.703869E-04	7.831691E-04	2.237515E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1999	4	2.867229E+08	9.504021	545.1144	0	3616.543	.1171458	220	3.899257E-04	8.38353E-04	2.472203E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1999	5	2.867229E+08	9.463081	526.4294	0	3602.384	.1178991	220	4.088212E-04	8.904881E-04	2.709936E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1999	6	2.867229E+08	9.427739	510.8146	0	3591.705	.1185533	220	4.258682E-04	9.380957E-04	2.933475E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1999	7	2.867229E+08	9.32031	466.1381	0	3589.156	.1205643	220	4.821751E-04	1.099011E-03	3.732662E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1999	8	2.867229E+08	9.23426	433.1876	0	3569.276	.1221998	220	5.326009E-04	1.247596E-03	4.527219E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1999	9	2.867229E+08	9.165465	408.5285	0	3542.509	.1235231	220	5.766823E-04	1.38071E-03	5.28247E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1999	10	2.867229E+08	9.105167	388.0717	0	3516.076	.1246949	220	6.183099E-04	1.509013E-03	6.04738E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
1999	11	2.867229E+08	9.03426	365.3224	0	3419.696	.126087	220	6.711225E-04	1.675228E-03	7.089755E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2000	0	2.867229E+08	8.969083	345.5897	0	3326.847	.1273803	220	7.236368E-04	1.844111E-03	8.205662E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2000	1	2.867229E+08	8.917635	330.7692	0	3261.949	.1284106	220	7.679757E-04	1.989362E-03	9.209241E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2000	2	2.867229E+08	8.890409	323.1852	0	3247.693	.1289592	220	7.92529E-04	2.070803E-03	9.789092E-03	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2000	3	2.867229E+08	8.872119	318.1882	0	3263.801	.129329	220	8.094621E-04	2.127375E-03	1.019897E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2000	4	2.867229E+08	8.853518	313.1855	0	3269.292	.1297062	220	8.27055E-04	2.186497E-03	1.063345E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2000	5	2.867229E+08	8.837271	308.8803	0	3276.633	.1300366	220	8.427336E-04	2.239479E-03	1.102805E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2000	6	2.867229E+08	8.824245	305.4717	0	3284.205	.1303021	220	8.555177E-04	2.28288E-03	1.135495E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2000	7	2.867229E+08	8.788233	296.2416	0	3334.737	.1310389	220	8.918819E-04	2.407305E-03	.0123101	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2000	8	2.867229E+08	8.759313	289.0317	0	3353.404	.1316336	220	9.222003E-04	2.512118E-03	1.313499E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2000	9	2.867229E+08	8.735444	283.2137	0	3354.85	.1321265	220	9.479977E-04	2.602052E-03	1.385727E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2000	10	2.867229E+08	8.713047	277.8609	0	3351.036	.1325906	220	9.728606E-04	2.689367E-03	1.457111E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8

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2000	11	2.867229E+08	8.674028	268.7761	0	3275.118	.1334031	220	1.017743E-03	2.848538E-03	1.590364E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2001	0	2.867229E+08	8.63689	260.405	0	3199.284	.1341811	220	1.062383E-03	3.008779E-03	1.728499E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2001	1	2.867229E+08	8.609307	254.357	0	3147.522	.1347619	220	1.096801E-03	.0031336	1.838802E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2001	2	2.867229E+08	8.601801	252.7357	0	3142.288	.1349204	220	1.106359E-03	3.168455E-03	.0187002	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2001	3	2.867229E+08	8.601018	252.5661	0	3165.677	.134937	220	1.107367E-03	3.172135E-03	1.873326E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2001	4	2.867229E+08	8.597426	251.7954	0	3177.526	.1350128	220	1.111968E-03	3.188947E-03	1.888456E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2001	5	2.867229E+08	8.593043	251.2847	0	3190.569	.1350632	220	1.115035E-03	3.200166E-03	1.898577E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2001	6	2.867229E+08	8.594173	251.0986	0	3202.983	.1350816	220	1.116157E-03	3.20427E-03	1.902284E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2001	7	2.867229E+08	8.594902	251.2545	0	3267.556	.1350662	220	1.115217E-03	3.200832E-03	1.899178E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2001	8	2.867229E+08	8.59306	250.8605	0	3296.384	.1351052	220	1.117595E-03	3.209535E-03	1.907042E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2001	9	2.867229E+08	8.589175	250.0315	0	3305.283	.1351874	220	1.122624E-03	3.227959E-03	1.923728E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2001	10	2.867229E+08	8.582804	248.678	0	3307.442	.1353223	220	1.130922E-03	3.25841E-03	1.951414E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2001	11	2.867229E+08	8.556713	243.2114	0	3236.93	.1358762	220	1.165548E-03	3.386131E-03	2.069006E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2002	0	2.867229E+08	8.530543	237.8489	0	3165.589	.1364341	220	1.201344E-03	3.519269E-03	2.194073E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2002	1	2.867229E+08	8.512014	234.1237	0	3117.297	.1368305	220	1.227352E-03	3.616687E-03	2.287169E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2002	2	2.867229E+08	8.51148	234.0172	0	3114.326	.136842	220	1.228109E-03	3.619535E-03	.0228991	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2002	3	2.867229E+08	8.517066	235.1335	0	3139.637	.1367223	220	1.220206E-03	3.589863E-03	2.261403E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2002	4	2.867229E+08	8.518846	235.4902	0	3153.17	.1366843	220	1.217698E-03	3.580461E-03	2.252396E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2002	5	2.867229E+08	8.521333	235.9897	0	3167.722	.136631	220	1.214203E-03	3.567362E-03	2.239867E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2002	6	2.867229E+08	8.524669	236.6614	0	3181.416	.1365597	220	1.20953E-03	3.549868E-03	2.223172E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2002	7	2.867229E+08	8.537728	239.3094	0	3249.692	.1362807	220	1.191408E-03	3.482203E-03	2.159001E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2002	8	2.867229E+08	8.544652	240.7252	0	3281.243	.1361331	220	1.181911E-03	3.446854E-03	2.125736E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2002	9	2.867229E+08	8.547067	241.2208	0	3292.122	.1360816	220	1.178617E-03	3.43461E-03	2.114255E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2002	10	2.867229E+08	8.545648	240.9293	0	3295.867	.1361119	220	1.180552E-03	.0034418	2.120994E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2002	11	2.867229E+08	8.523488	236.4234	0	3226.79	.1365849	220	1.211181E-03	3.55605E-03	2.229066E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2003	0	2.867229E+08	8.500608	231.8597	0	3156.643	.1370751	220	1.24364E-03	3.677992E-03	.0234643	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2003	1	2.867229E+08	8.484766	228.7513	0	3109.272	.1374156	220	1.266624E-03	3.764869E-03	2.431298E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2003	2	2.867229E+08	8.486282	229.047	0	3106.902	.1373829	220	1.264406E-03	3.756466E-03	2.423044E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2003	3	2.867229E+08	8.49373	230.5048	0	3132.722	.1372228	220	1.253568E-03	3.713466E-03	.0238291	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2003	4	2.867229E+08	8.497066	231.1608	0	3146.702	.1371512	220	1.248744E-03	3.697245E-03	2.365149E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2003	5	2.867229E+08	8.500957	231.9286	0	3161.655	.1370676	220	1.243139E-03	.0036761	2.344594E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2003	6	2.867229E+08	8.5055	232.828	0	3175.69	.1369702	220	1.236629E-03	3.651575E-03	2.320831E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2003	7	2.867229E+08	8.522068	236.1377	0	3244.954	.1366153	220	1.213171E-03	3.563499E-03	2.236176E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2003	8	2.867229E+08	8.531457	238.034	0	3277.223	.1364146	220	1.200076E-03	3.514534E-03	2.189582E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2003	9	2.867229E+08	8.535628	238.8814	0	3288.627	.1363256	220	1.194304E-03	3.492996E-03	2.169194E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2003	10	2.867229E+08	8.535581	238.8719	0	3292.794	.1363266	220	1.19437E-03	3.493241E-03	2.169426E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2003	11	2.867229E+08	8.514505	234.6211	0	3224.097	.1367772	220	1.223823E-03	3.603435E-03	2.274427E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2004	0	2.867229E+08	8.49253	230.2695	0	3154.267	.1372486	220	1.255308E-03	3.72204E-03	.0238933	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2004	1	2.867229E+08	8.477424	227.3248	0	3107.141	.1375736	220	1.27742E-03	3.805827E-03	2.471665E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2004	2	2.867229E+08	8.479568	227.7406	0	3104.858	.1375274	220	1.274256E-03	3.793817E-03	2.459805E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2004	3	2.867229E+08	8.487497	229.2843	0	3130.754	.1373568	220	1.262631E-03	3.749746E-03	.0241645	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2004	4	2.867229E+08	8.491245	230.0175	0	3144.829	.1372762	220	1.257173E-03	3.729093E-03	2.396224E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2004	5	2.867229E+08	8.495508	230.8543	0	3159.865	.1371846	220	1.250994E-03	3.70574E-03	2.373424E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2004	6	2.867229E+08	8.500367	231.8119	0	3173.971	.1370803	220	1.243987E-03	.0036793	.023477	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2004	7	2.867229E+08	8.517882	235.2971	0	3243.532	.1367049	220	1.219055E-03	3.585547E-03	2.257267E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2004	8	2.867229E+08	8.527934	237.3207	0	3276.016	.1364899	220	1.204973E-03	3.532827E-03	.0220695	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2004	9	2.867229E+08	8.532578	238.2614	0	3287.578	.1363907	220	1.198523E-03	3.508735E-03	2.184086E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2004	10	2.867229E+08	8.532898	238.3265	0	3291.871	.1363838	220	1.198079E-03	3.507078E-03	2.182517E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2004	11	2.867229E+08	8.512113	234.1433	0	3223.289	.1368284	220	1.227212E-03	3.616164E-03	2.286665E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2005	0	2.867229E+08	8.49038	229.8479	0	3153.554	.1372948	220	1.258431E-03	3.733849E-03	2.400677E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2005	1	2.867229E+08	8.47547	226.9467	0	3106.501	.1376157	220	1.280308E-03	3.816802E-03	2.482521E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2005	2	2.867229E+08	8.477696	227.3775	0	3104.339	.1375677	220	1.277017E-03	3.804297E-03	2.470154E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2005	3	2.867229E+08	8.485785	228.95	0	3130.335	.1373936	220	1.265132E-03	3.759217E-03	2.425746E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2005	4	2.867229E+08	8.489657	229.7066	0	3144.47	.1373103	220	1.259483E-03	3.737829E-03	2.404772E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2005	5	2.867229E+08	8.494034	230.5645	0	3159.561	.1372163	220	1.253127E-03	.0037138	2.381285E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2005	6	2.867229E+08	8.498991	231.5403	0	3173.713	.1371098	220	1.245967E-03	3.686769E-03	2.354957E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2005	7	2.867229E+08	8.516761	235.0723	0	3243.318	.1367289	220	1.220636E-03	3.591478E-03	2.262951E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2005	8	2.867229E+08	8.526991	237.1301	0	3275.835	.13651	220	1.206287E-03	3.537741E-03	2.211623E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2005	9	2.867229E+08	8.53176	238.0956	0	3287.42	.1364081	220	1.199656E-03	3.512963E-03	2.188093E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2005	10	2.867229E+08	8.53218	238.1808	0	3291.733	.1363992	220	1.199074E-03	3.510792E-03	2.186035E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2005	11	2.867229E+08	8.511473	234.0157	0	3223.168	.1368421	220	1.22812E-03	3.619575E-03	2.289949E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2006	0	2.867229E+08	8.489804	229.7353	0	3153.447	.1373072	220	1.259269E-03	3.73702E-03	.0240398	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2006	1	2.867229E+08	8.474947	226.8456	0	3106.406	.137627	220	1.281082E-03	3.819743E-03	2.485432E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2006	2	2.867229E+08	8.477213	227.284	0	3104.25	.1375782	220	1.277731E-03	3.807009E-03	2.472834E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2006	3	2.867229E+08	8.485339	228.8629	0	3130.253	.1374032	220	1.265785E-03	3.761691E-03	2.428175E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2006	4	2.867229E+08	8.489242	229.6251	0	3144.392	.1373193	220	1.260088E-03	3.74012E-03	2.407016E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2006	5	2.867229E+08	8.493645	230.4881	0	3159.488	.1372246	220	1.253691E-03	3.71593E-03	2.383364E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2006	6	2.867229E+08	8.498626	231.4682	0	3173.645	.1371177	220	1.246494E-03	3.688754E-03	2.356887E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2006	7	2.867229E+08	8.516463	235.0127	0	3243.262	.1367352	220	1.221056E-03	3.593053E-03	2.264462E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8

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2018	2	2.867229E+08	8.47704	227.2505	0	3104.2	.1375819	220	1.277986E-03	3.807978E-03	2.473791E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2018	3	2.867229E+08	8.485179	228.8317	0	3130.206	.1374067	220	1.266019E-03	3.762579E-03	2.429047E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2018	4	2.867229E+08	8.489093	229.5959	0	3144.349	.1373225	220	1.260305E-03	3.74094E-03	2.407819E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2018	5	2.867229E+08	8.493505	230.4607	0	3159.447	.1372277	220	1.253894E-03	3.716698E-03	2.384113E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2018	6	2.867229E+08	8.498494	231.4424	0	3173.606	.1371205	220	1.246683E-03	3.689469E-03	2.357583E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2018	7	2.867229E+08	8.516356	234.9913	0	3243.23	.1367375	220	1.221207E-03	3.593619E-03	2.265005E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2018	8	2.867229E+08	8.52665	237.0613	0	3275.76	.1365173	220	1.206762E-03	3.539516E-03	2.213313E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2018	9	2.867229E+08	8.531466	238.0358	0	3287.355	.1364144	220	1.200064E-03	3.514489E-03	.0218954	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2018	10	2.867229E+08	8.53192	238.1282	0	3291.675	.1364047	220	1.199433E-03	3.512134E-03	2.187307E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2018	11	2.867229E+08	8.511242	233.9696	0	3223.117	.1368471	220	1.228448E-03	3.620807E-03	2.291135E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2019	0	2.867229E+08	8.489597	229.6947	0	3153.403	.1373116	220	1.25957E-03	3.73816E-03	2.405096E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2019	1	2.867229E+08	8.474758	226.8091	0	3106.365	.137631	220	1.281361E-03	3.820806E-03	2.486485E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2019	2	2.867229E+08	8.477038	227.2503	0	3104.213	.1375819	220	1.277988E-03	3.807988E-03	2.473802E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2019	3	2.867229E+08	8.485178	228.8316	0	3130.218	.1374067	220	1.266021E-03	3.762584E-03	2.429053E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2019	4	2.867229E+08	8.489091	229.5957	0	3144.36	.1373225	220	1.260308E-03	3.740951E-03	2.407829E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2019	5	2.867229E+08	8.493504	230.4605	0	3159.458	.1372277	220	1.253896E-03	3.716703E-03	2.384118E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2019	6	2.867229E+08	8.498493	231.4422	0	3173.616	.1371205	220	1.246685E-03	3.689475E-03	2.357588E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2019	7	2.867229E+08	8.516356	234.9912	0	3243.238	.1367376	220	1.221208E-03	3.593624E-03	2.265009E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2019	8	2.867229E+08	8.526649	237.0612	0	3275.767	.1365173	220	1.206764E-03	3.539521E-03	2.213317E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2019	9	2.867229E+08	8.531466	238.0358	0	3287.361	.1364144	220	1.200064E-03	3.514489E-03	.0218954	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2019	10	2.867229E+08	8.53192	238.1281	0	3291.681	.1364047	220	1.199433E-03	3.512134E-03	2.187307E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2019	11	2.867229E+08	8.511241	233.9695	0	3223.122	.1368471	220	1.228449E-03	3.620812E-03	.0229114	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2020	0	2.867229E+08	8.489596	229.6946	0	3153.407	.1373117	220	1.259572E-03	3.738165E-03	2.405102E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2020	1	2.867229E+08	8.474758	226.8091	0	3106.369	.137631	220	1.281361E-03	3.820806E-03	2.486485E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2020	2	2.867229E+08	8.477115	227.2648	0	3104.145	.1375803	220	1.277876E-03	3.80756E-03	2.473379E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2020	3	2.867229E+08	8.485227	228.8411	0	3130.091	.1374056	220	1.26595E-03	3.762315E-03	2.428788E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2020	4	2.867229E+08	8.489128	229.603	0	3144.208	.1373217	220	1.260253E-03	3.740746E-03	2.407629E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2020	5	2.867229E+08	8.493529	230.4654	0	3159.282	.1372271	220	1.253858E-03	3.716562E-03	2.383981E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2020	6	2.867229E+08	8.498507	231.4448	0	3173.421	.1371202	220	1.246665E-03	3.689402E-03	2.357517E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2020	7	2.867229E+08	8.516366	234.9933	0	3243.077	.1367373	220	1.221193E-03	3.593568E-03	2.264956E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2020	8	2.867229E+08	8.526659	237.063	0	3275.631	.1365171	220	1.20675E-03	3.539471E-03	.0221327	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2020	9	2.867229E+08	8.531473	238.0373	0	3287.242	.1364143	220	1.200054E-03	3.51445E-03	2.189502E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2020	10	2.867229E+08	8.531927	238.1295	0	3291.576	.1364046	220	1.199424E-03	.0035121	2.187274E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2020	11	2.867229E+08	8.511247	233.9707	0	3223.031	.136847	220	1.228441E-03	3.620781E-03	.0229111	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2021	0	2.867229E+08	8.489602	229.6957	0	3153.326	.1373115	220	1.259563E-03	3.738134E-03	2.405071E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2021	1	2.867229E+08	8.474763	226.8101	0	3106.297	.1376309	220	1.281354E-03	3.820779E-03	2.486458E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2021	2	2.867229E+08	8.477043	227.2512	0	3104.149	.1375818	220	1.277981E-03	3.807961E-03	2.473775E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2021	3	2.867229E+08	8.485182	228.8323	0	3130.159	.1374066	220	1.266015E-03	3.762563E-03	2.429032E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2021	4	2.867229E+08	8.489095	229.5965	0	3144.305	.1373224	220	1.260302E-03	3.74093E-03	2.407809E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2021	5	2.867229E+08	8.493507	230.4612	0	3159.406	.1372276	220	1.25389E-03	3.716682E-03	2.384098E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2021	6	2.867229E+08	8.498496	231.4429	0	3173.567	.1371205	220	1.246681E-03	3.689459E-03	2.357573E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2021	7	2.867229E+08	8.516358	234.9917	0	3243.198	.1367375	220	1.221204E-03	3.593609E-03	2.264995E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2021	8	2.867229E+08	8.526651	237.0617	0	3275.733	.1365173	220	1.206761E-03	3.539511E-03	2.213308E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2021	9	2.867229E+08	8.531467	238.0362	0	3287.332	.1364144	220	1.200062E-03	3.514479E-03	2.189531E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2021	10	2.867229E+08	8.531922	238.1285	0	3291.655	.1364047	220	1.199431E-03	3.512124E-03	2.187298E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2021	11	2.867229E+08	8.511243	233.9698	0	3223.099	.136847	220	1.228447E-03	3.620801E-03	.0229113	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2022	0	2.867229E+08	8.489598	229.6949	0	3153.387	.1373116	220	1.259569E-03	3.738155E-03	2.405091E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2022	1	2.867229E+08	8.474759	226.8094	0	3106.351	.137631	220	1.28136E-03	.0038208	.0249648	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2022	2	2.867229E+08	8.47704	227.2505	0	3104.2	.1375819	220	1.277986E-03	3.807978E-03	2.473791E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2022	3	2.867229E+08	8.485179	228.8317	0	3130.206	.1374067	220	1.266019E-03	3.762579E-03	2.429047E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2022	4	2.867229E+08	8.489093	229.5959	0	3144.349	.1373225	220	1.260305E-03	3.74094E-03	2.407819E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2022	5	2.867229E+08	8.493505	230.4607	0	3159.447	.1372277	220	1.253894E-03	3.716698E-03	2.384113E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2022	6	2.867229E+08	8.498494	231.4424	0	3173.606	.1371205	220	1.246683E-03	3.689469E-03	2.357583E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2022	7	2.867229E+08	8.516356	234.9913	0	3243.23	.1367375	220	1.221207E-03	3.593619E-03	2.265005E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2022	8	2.867229E+08	8.52665	237.0613	0	3275.76	.1365173	220	1.206762E-03	3.539516E-03	2.213313E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2022	9	2.867229E+08	8.531466	238.0358	0	3287.355	.1364144	220	1.200064E-03	3.514489E-03	.0218954	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2022	10	2.867229E+08	8.53192	238.1282	0	3291.675	.1364047	220	1.199433E-03	3.512134E-03	2.187307E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2022	11	2.867229E+08	8.511242	233.9696	0	3223.117	.1368471	220	1.228448E-03	3.620807E-03	2.291135E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2023	0	2.867229E+08	8.489597	229.6947	0	3153.403	.1373116	220	1.25957E-03	3.73816E-03	2.405096E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2023	1	2.867229E+08	8.474758	226.8091	0	3106.365	.137631	220	1.281361E-03	3.820806E-03	2.486485E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2023	2	2.867229E+08	8.477038	227.2503	0	3104.213	.1375819	220	1.277988E-03	3.807988E-03	2.473802E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2023	3	2.867229E+08	8.485178	228.8316	0	3130.218	.1374067	220	1.266021E-03	3.762584E-03	2.429053E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2023	4	2.867229E+08	8.489091	229.5957	0	3144.36	.1373225	220	1.260308E-03	3.740951E-03	2.407829E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2023	5	2.867229E+08	8.493504	230.4605	0	3159.458	.1372277	220	1.253896E-03	3.716703E-03	2.384118E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2023	6	2.867229E+08	8.498493	231.4422	0	3173.616	.1371205	220	1.246685E-03	3.689475E-03	2.357588E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2023	7	2.867229E+08	8.516356	234.9912	0	3243.238	.1367376	220	1.221208E-03	3.593624E-03	2.265009E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2023	8	2.867229E+08	8.526649	237.0612	0	3275.767	.1365173	220	1.206764E-03	3.539521E-03	2.213317E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2023	9	2.867229E+08	8.531466	238.0358	0	3287.361	.1364144	220	1.200064E-03	3.514489E-03	.0218954	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2023	10	2.867229E+08	8.53192	238.1281	0	3291.681	.1364047	220	1.199433E-03	3.512134E-03	2.187307E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8

2023	11	2.867229E+08	8.511241	233.9695	0	3223.122	.1368471	220	1.228449E-03	3.620812E-03	.0229114	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2024	0	2.867229E+08	8.489596	229.6946	0	3153.407	.1373117	220	1.259572E-03	3.738165E-03	2.405102E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2024	1	2.867229E+08	8.474758	226.8091	0	3106.369	.137631	220	1.281361E-03	3.820806E-03	2.486485E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2024	2	2.867229E+08	8.477115	227.2648	0	3104.145	.1375803	220	1.277876E-03	3.80756E-03	2.473379E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2024	3	2.867229E+08	8.483227	228.8411	0	3130.091	.1374056	220	1.26595E-03	3.762315E-03	2.428788E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2024	4	2.867229E+08	8.489128	229.603	0	3144.208	.1373217	220	1.260253E-03	3.740746E-03	2.407629E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2024	5	2.867229E+08	8.493529	230.4654	0	3159.282	.1372271	220	1.253858E-03	3.716562E-03	2.383981E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2024	6	2.867229E+08	8.498507	231.4448	0	3173.421	.1371202	220	1.246665E-03	3.689402E-03	2.357517E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2024	7	2.867229E+08	8.516366	234.9933	0	3243.077	.1367373	220	1.221193E-03	3.593568E-03	2.264956E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2024	8	2.867229E+08	8.526639	237.063	0	3275.631	.1365171	220	1.20675E-03	3.539471E-03	.0221327	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2024	9	2.867229E+08	8.531473	238.0373	0	3287.242	.1364143	220	1.200054E-03	3.51445E-03	2.189502E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2024	10	2.867229E+08	8.531927	238.1295	0	3291.576	.1364046	220	1.199424E-03	.0035121	2.187274E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2024	11	2.867229E+08	8.511247	233.9707	0	3223.031	.136847	220	1.228441E-03	3.620781E-03	.0229111	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2025	0	2.867229E+08	8.489602	229.6957	0	3153.326	.1373115	220	1.259563E-03	3.738134E-03	2.405071E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8
2025	1	2.867229E+08	8.474763	226.8101	0	3106.297	.1376309	220	1.281354E-03	3.820779E-03	2.486458E-02	4.028781E+07	5.256763E+08	7.54678E+07	4.525649E+08	2.486992E+08	5.934207E+08	6.932833E+07	5.256485E+07	9.143124E+08	6.93233E+08	0	304.8

2008	5	4.4982E+07	10.56451	17101.28	0	9780.709	5.394172E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	6	4.4982E+07	10.56234	17041.61	0	9751.042	5.421274E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	7	4.4982E+07	10.56014	16981.65	0	9721.326	5.448739E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	8	4.4982E+07	10.55809	16925.79	0	9693.92	5.474551E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	9	4.4982E+07	10.5561	16871.53	0	9667.259	5.49982E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	10	4.4982E+07	10.55361	16804.25	0	9633.254	5.531427E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2008	11	4.4982E+07	10.55183	16756.29	0	9610.144	5.554149E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	0	4.4982E+07	10.55027	16714.25	0	9590.548	5.574195E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	1	4.4982E+07	10.54869	16671.91	0	9570.762	5.594498E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	2	4.4982E+07	10.54728	16634.19	0	9553.168	5.612703E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	3	4.4982E+07	10.54284	16515.77	0	9489.628	5.670503E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	4	4.4982E+07	10.53267	16248.27	0	9340.179	5.804866E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	5	4.4982E+07	10.53059	16193.81	0	9313.495	5.832877E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	6	4.4982E+07	10.52841	16137.32	0	9285.461	5.862183E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	7	4.4982E+07	10.52622	16080.54	0	9257.387	5.891895E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	8	4.4982E+07	10.52417	16027.65	0	9231.511	5.919793E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	9	4.4982E+07	10.52217	15976.28	0	9206.335	5.947117E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	10	4.4982E+07	10.51968	15912.58	0	9174.17	5.981294E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2009	11	4.4982E+07	10.51791	15867.17	0	9152.373	6.005852E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	0	4.4982E+07	10.51634	15827.36	0	9133.93	6.027528E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	1	4.4982E+07	10.51477	15787.27	0	9115.303	6.049482E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	2	4.4982E+07	10.51336	15751.56	0	9098.743	6.069168E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	3	4.4982E+07	10.50891	15639.43	0	9038.44	6.131668E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	4	4.4982E+07	10.49875	15386.13	0	8896.302	6.276945E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	5	4.4982E+07	10.49666	15334.57	0	8871.109	6.307234E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	6	4.4982E+07	10.49449	15281.08	0	8844.622	6.338923E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	7	4.4982E+07	10.4923	15227.32	0	8818.102	6.371038E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	8	4.4982E+07	10.49025	15177.24	0	8793.674	6.401204E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	9	4.4982E+07	10.48825	15128.6	0	8769.904	6.43075E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	10	4.4982E+07	10.48576	15068.28	0	8739.482	6.467693E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2010	11	4.4982E+07	10.48399	15025.29	0	8718.929	6.494248E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	0	4.4982E+07	10.48242	14987.6	0	8701.576	6.517686E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	1	4.4982E+07	10.48085	14949.65	0	8684.048	6.541426E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	2	4.4982E+07	10.47944	14915.83	0	8668.466	6.562698E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	3	4.4982E+07	10.47499	14809.67	0	8611.229	6.630281E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	4	4.4982E+07	10.46483	14569.81	0	8476.013	6.787371E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	5	4.4982E+07	10.46274	14520.98	0	8452.231	6.820123E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	6	4.4982E+07	10.46057	14470.34	0	8427.209	6.854374E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	7	4.4982E+07	10.45838	14419.44	0	8402.16	6.8891E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	8	4.4982E+07	10.45633	14372.02	0	8379.104	6.92172E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	9	4.4982E+07	10.45433	14325.97	0	8356.665	6.953652E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	10	4.4982E+07	10.45185	14268.86	0	8327.895	6.9936E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2011	11	4.4982E+07	10.45007	14228.15	0	8308.519	7.022313E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	0	4.4982E+07	10.44851	14192.47	0	8292.198	7.047642E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	1	4.4982E+07	10.44693	14156.53	0	8275.71	7.073312E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	2	4.4982E+07	10.44547	14123.38	0	8260.532	7.09714E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	3	4.4982E+07	10.44103	14022.87	0	8206.208	7.170211E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	4	4.4982E+07	10.43087	13795.78	0	8077.563	7.340078E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	5	4.4982E+07	10.42878	13749.55	0	8055.121	7.375497E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	6	4.4982E+07	10.42661	13701.6	0	8031.485	7.412538E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	7	4.4982E+07	10.42441	13653.42	0	8007.832	7.450075E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	8	4.4982E+07	10.42237	13608.52	0	7986.075	7.48535E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	9	4.4982E+07	10.42037	13564.92	0	7964.899	7.519883E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	10	4.4982E+07	10.41788	13510.85	0	7937.693	7.563083E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2012	11	4.4982E+07	10.41611	13472.31	0	7919.434	7.594118E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	0	4.4982E+07	10.41454	13438.53	0	7904.092	7.62151E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	1	4.4982E+07	10.41297	13404.51	0	7888.589	7.64927E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737
2013	2	4.4982E+07	10.41156	13374.2	0	7874.813	7.674145E-05	2349096	3183897	1272427	1211178	798720.4	705827.7	9.375E-08	-.185856	1689522	2369637	0	737