FINAL REPORT:

SALT RIVER VALLEY COOPERATIVE STUDY

MODELING EFFORT

BY

M. R. LONG, M. A. NICCOLI,

R. HOLLANDER and J. L. WATTS

Prepared by the Arizona Department of Water Resources in Cooperation with the Municipal Water Users Association and Irrigation Districts in the Salt River Valley

A Comprehensive Study of Groundwater Conditions of the Salt River Valley Aquifer System and Description of Digital Groundwater Modeling Efforts by the ADWR

JUNE 1982

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INTRODUCTION

Due to growing concern about future groundwater supplies, the Salt River Valley Cooperative Study was initiated, in 1978, as a cooperative effort between the Department of Water Resources (DWR) (formerly the Arizona Water Commission), Municipal Water Users Association (MWUA-Phoenix, Tempe, Scottsdale, Mesa, and Glendale), Salt River Project (SRP), and several other agencies. A cooperative study allowed the agencies involved to minimize duplication of effort and maximize the use of existing data on the groundwater resource.

The purpose of the study was twofold, (1) to establish a groundwater data base, and (2) to develop a computerized groundwater model of the valley that could be used by the participating agencies in their groundwater planning and management programs.

CHAPTER I DESCRIPTION OF THE MODELING EFFORT

The study consisted of two phases. Phase I included the initial data collection and compilation efforts. It culminated in the production of the "Interim Report: Groundwater Resources Study, Executive Summary" (June, 1979). Included in the report was a discussion of amounts of groundwater in storage, aquifer characteristics, well production characteristics, water quality and data needs in the Salt River Valley (SRV). The report also described the groundwater data base which resulted from the data collection efforts. The data base consists of parameters used as model input and include water levels, specific yield, transmissivity, pumpage, and recharge. Although it was initially designed to include data for the years 1957-1977, due to information deficiencies, the data base is complete only for the years 1964-1977.

Phase II of the study, started in July 1979 and completed in June 1980, was designed to use the data collected to develop and calibrate a groundwater model of the Salt River

Valley aquifer system. Due to difficulties with the available data, the groundwater model was calibrated only for the period 1972-1977.

The purpose of this report is to provide documentation on the technical aspects of the computer model, including discussions on input parameters, estimation techniques, and results of calibration. The data collection methods and the techniques used for data estimation are described in detail. Changes in values of input parameters, which were required to calibrate the model, are also discussed.

THE MODEL

The model used for the Salt River Valley (SRV) Cooperative Study is a modified version of the U.S. Geological Survey (USGS) three-dimensional groundwater flow model. The model uses the strongly implicit procedure (SIP) iterative numerical technique to solve the set of simultaneous finite difference equations defining groundwater flow described by Trescott, 1975 (Ref. No. 42). This part of the model, known as the SOLVE Subroutine in the program documentation, was used exactly as published. Modifications to the program, involving mainly data input and output, were made to make the model more efficient for the computer system used by the DWR and do not change the solution technique.

The model is designed to solve the set of finite difference equations approximating three-dimensional groundwater flow. It has the capabilty, through input options, of being used as a two-dimensional model, which is how it was used in the SRV Cooperative Study. This option was chosen because of the lack of data on aquifer parameter variaton with depth and lack of an adequate subsurface geologic model of the study area.

THE MODELING PROCESS

The standard approach in modeling of groundwater flow involves building a mathematical model of a basin and calibrating the model by attempting to simulate historical groundwater conditions. Calibration is a trial and error process of adjusting the model input data as reasonable and necessary to best simulate observed groundwater level fluctuations. The values arrived at for the various parameters in the final calibration are acceptable only if they are reasonable measures of the prevailing geologic and hydrologic conditions.

Calibration of the SRV model was attempted only for the period 1964-1977. Data were not sufficient to model the SRV prior to extensive groundwater development (steady state condition) or throughout the history of development. Calibration started with the earliest period of record for which reliable pumpage data existed - approximately 1964 - when the first detailed pumpage estimates were available for the SRV.

GENERAL MODEL INPUT AND RESULTS

Modeling the historical response of a groundwater system requires information on groundwater elevations, aquifer transmissivities, recharge, pumpage and other types of discharge and aquifer storage properties (specific yields or storage coefficients). In addition to the physical parameters used in the solution of the flow equations, the model area must be subdivided into discrete units, time intervals must be selected, and physical boundaries of the system must be defined.

In a finite-difference model, the general geographic distribution of the input parameters is defined by an orthogonal grid system and described by a unique set of coordinates. The system used to model the SRV was a 79 by 48 grid with each individual grid member (node) representing one

square mile. This grid is similar to the township-range grid, and the two grid systems match within one-half mile throughout the model. For descriptive purposes, it can be assumed that they coincide.

The time intervals used for simulation periods were predominantly controlled by the availability of pumpage estimates. The best combination of information on these two parameters provided three periods in which data were suitable for simulation. The three consecutive periods are 1964-1969, 1969-1972, and 1972-1977.

Model boundary conditions were used to establish the physical limits of the groundwater system and to simulate the conditions of flow where it existed. Two boundary conditions were modeled in the SRV--no flow and constant flow. Mountain fronts were considered no flow boundaries because the rock-types the mountains are comprised of are relatively impermeable and very little recharge occurs. In areas where the SRV is connected to other basins, groundwater flow across arbitrary boundaries was treated as constant flow. Values of inflow and outflow, as appropriate, were estimated on the basis of flow net analyses for these boundaries.

CHAPTER II SPECIFIC MODEL INPUT PARAMETERS

The values for parameters described herein are first approximations, based on analyses of the basic data gathered during Phase I of the study. Every effort was made to gather actual measurements or observations for each of the input parameters; when this was not possible, values were estimated. The following parameters are described in detail: water-level elevation, specific yield, transmissivity, pumpage, and recharge. The data input file which was established as a result of the data collection efforts, and data sources are described. Due to the extensive nature of the recharge file, it is described in detail according to source type.

WATER-LEVEL ELEVATIONS

A parameter necessary for groundwater modeling efforts is water-level elevation. Water-level elevations are needed for each active node in the system. Active nodes are those involved in the finite-difference approximatation equations. Water-level elevation data are necessary for the beginning of each simulation period for each active node in the model, and water-level elevations for the end of each period must be available for comparison to the water-level elevations calculated by the model.

Data Sources

Water-level data are available for most years as far back as the early 1900's. However, total coverage of the study area for any single year is available for only a few years between 1957 and 1977.

In the last 25 years, major programs have been developed to determine static water levels in wells during the nonirrigation (winter) season. However, these programs have been sporadic. Water-level measurements for the entire SRV made during the early 1960's roughly coincide with the first detailed estimates of pumpage for the entire SRV. Because of the lack of data for the entire model area prior to this time, data collection efforts were concentrated on the period from the early sixties to 1978. Water-level elevation contour maps for 1964, 1969, 1972 and 1976-1977 are available from previous work. The 1964 and 1969 maps were produced by the USGS. The 1972 map was produced by the Bureau of Reclamation as part of their study of the Central Arizona Project (CAP) service area. The USGS, in 1976, initiated an intensive basic data collection effort of the entire SRV which was published in two reports by Laney, Ross and Littin, 1978 (Ref. No. 25) and Ross, 1977 (Ref. No. 38). The water-level elevation contour maps from these reports (See Plate No. 1) were modified for use in the model study.

Data Input

Water-level elevation values for each node were determined from contour maps, and, where available, values were determined from field measurements. In nodes where more than one well had been measured, an average value was used. Nodes without measurements were assigned values interpolated from the contour maps. Values from the node map have been included in a computerized water-level file for use as beginning and/or ending water levels for each simulation period.

SPECIFIC YIELD

Specific yield is a measure of an aquifer's storage capability. It is an important parameter in groundwater modeling because it is the controlling factor in the amount of water level change that occurs as a result of changes in storage in a given node. There are only two sources of water in modeling, water released from storage and water derived from recharge. In the SRV, recharge is less than half of the total water withdrawn; therefore, storage release is the predominant source of water. In as much as storage release is the predominant source of water to the model, and water level changes are required for water to be released from storage, the model is very sensitive to withdrawal from storage. Minor changes in specific yield may cause significant water level changes. Specific yields have been estimated for each of the active nodes in the model grid.

Data Sources

Input values for specific yield in groundwater modeling studies are always based on estimates. Actual measurements of specific yield are difficult to obtain. Estimates of specific yield come from (1) aquifer tests, (2) volumetric changes in

storage analyzed using the simple equation: volume of dewatered sediment divided into the volumetric difference between water removed and water returned, and (3) comparisons of aquifer material types to experimentally obtained specific yield values of similar aquifer materials.

The SRV model study used a computerized version of method number three, the DWR Aquifer Parameter Program. This method was used because of the lack of long-term aquifer testing information, and volumetric determinations of specific yield are complicated by the lack of reliable information on recharge. The DWR Aquifer Parameter Program utilizes the driller's description of aquifer material to assign an empirically determined specific yield value (Davis and others, 1959, Ref. No. 15). A weighted average specific yield value for each driller log was calculated from the individual specific yield values assigned to each material type listed in the log. The specific yield values for each well were plotted, and zones of very low (.01 - .05), low (.06 - .10), moderate (.1 - .20), and high (.20 - .25) specific yield were delineated. Specific yield values for each node were assigned according to the specific yield zone map. Driller logs for this effort were collected from the USGS well files, DWR well files, and irrigation district's, cities', and private water companies' files.

Data Estimates

Of the several input parameters used in the modeling process, specific yield is one of the least reliable because of the difficulty in obtaining measured values. Therefore, it is one of the first parameters to be evaluated and changed in the calibration process. The range of values used in the modeling effort is considered to be reasonable when compared to values estimated by other researchers. However, site specific values can have significant errors.

Error may be introduced into an estimate of specific yield from inaccuracies in the driller's identification of the aquifer material types. There are enough logs, however, so that general lithologic patterns can be seen and logs that misrepresent the lithology of any area appear as anomalies when presented in map form. Anomalous specific yield values are readily apparent and not used in the analyses.

Error is also introduced in specific yield values for each driller log material type because the assigned values are averages. For example, clay is assigned an average specific yield of 3 percent whereas different types of clay may actually range from 1 percent to 5 percent. This error is considered minor and generally does not affect the relative values of low to moderate specific yield.

A specific yield zone map was generated from approximately 2,000 driller logs in the SRV. A zone map was used instead of contoured data because contours do not adequately reflect the random variation in specific yield of the interbedded aquifer materials of basin fill sediments. Aquifer material changes occur over distances of a few feet and are not adequately represented by contours on a map scale of one-half inch to the mile. Contours also imply variations in specific yield are separated by intermediate values, which is not always the case. The zone map represents areas of similar specific yield, not gradational changes from high to low or vice-versa.

Although the specific yield values used are not absolutely correct, the relative distribution of low, moderate, and high specific yield values are good. The good representation of the distribution of relative values provided by the DWR program is one reason for choosing this method of parameter estimation.

Data Input

The specific yield value required for each node in the model is that which is representative of the interval where water was released from or taken into storage during the simulation period. The specific yield of the zone dewatered or saturated during the period 1957 to 1977 was calculated for each driller log throughout the valley. In areas where no water level changes were experienced, specific yield was calculated for the interval from the static water level to approximately 50 feet below that water level.

Specific yield values generated and used as input ranged from 3 percent in the central portion of the alluvial basins, which is predominantly clay and sandy clay, to 25 percent in areas of abundant sand and gravel, such as along the Salt River. The specific yield values used as input are averages for each node from the zone map.

TRANSMISSIVITY

Transmissivity is a measure of the ability of an aquifer to transmit water. In the model it determines at what rates water will flow into and out of nodes.

Data Sources

Three sources of transmissivity data were available to the study. Values were obtained from (1) aquifer tests (2) estimates based on specific capacity values, and (3) estimates from the DWR Driller Log Program.

Data Estimates

Salt River Project Aquifer Test Program.

Salt River Project's pump test program calls for performance testing of all or selected wells within the Project boundaries every summer. In the summer of 1979, a cooperative program was initiated between the SRP, DWR, and

the USGS to obtain transmissivity, specific capacity and water quality data. Approximately 170 wells were tested between May and September of 1979. The typical test involved pumping the well for 24 hours and making measurements of the water-level recovery following shutdown until levels returned to near the static level. Transmissivity was calculated by straight-line techniques using either direct recovery or residual drawdown. Specific capacities were also calculated for each well and were used to determine the relationship between transmissivity and specific capacity. The tests were not long enough in duration, nor were there sufficient observation wells available to allow computation of specific yield data.

Transmissivity/Specific Capacity Relationship

Outside of the SRP boundaries, pump test data to determine transmissivity were scarce. Since specific capacity data, in these areas, were more abundant, the relationship between specific capacity and transmissivity was analyzed using aquifer test data from the 1979 SRP test program. The relationship which resulted from this analysis was used to estimate transmissivities utilizing specific capacity data from the areas outside SRP boundaries. This analysis was based on the fact that transmissivity and specific capacity are physically related because both are functions of the ability of the aquifer to transmit water. A plot of transmissivity and the corresponding specific capacity values yielded a straight line on log paper indicating the paramaters were indeed related. A standard statistical program entitled "Curve-fitting", developed by Hewlett Packard, 1976 (Ref. No. 21), was applied to these data and resulted in the equation: Transmissivity = 1972 x (Specific Capacity) $\frac{1.085}{1.0185}$. This relationship was used to estimate transmissivity where specific capacity data were available, and pump test data were not.

The specific capacity data gathered for this study are generally reliable and accurate. With the exception of the SRP data, most of the specific capacities were derived from winter static water levels and from summer pumping levels. The predicted tranmissivities from these specific capacities were compatible with available field transmissivity values.

DWR Driller Log Program

Transmissivity and specific capacity values were unavailable for some areas of the valley. Therefore, the DWR Driller Log Program was used to generate transmissivity values to fill data gaps. The DWR Driller Log Program assigns permeability values to each aquifer material type in the same manner in which specific yield is assigned. Transmissivity of each aquifer material type is calculated by multiplying the permeability of each described unit by the thickness of the material. The transmissivity values calculated for each material are summed from the water level to the total well depth to obtain a total transmissivity for the well. Static water-level data circa 1957 were used in the calculation of total transmissivity.

Transmissivity estimates from the DWR Driller Log Program have been used with success in several other modeling efforts. However, the computer estimates are still considered the least reliable source of data on transmissivity. Transmissivity values from aquifer tests and estimated from specific capacity data from field tests were used for comparison in several areas to assess the accuracy of the DWR Driller Log Program. Results were favorable; most generated values were within the relative transmissivity ranges chosen for mapping.

Data Input

A transmissivity map was produced showing zones corresponding to ranges of transmissivity. The ranges of

transmissivity used are: less than 25,000; 25,000 to 100,000; and greater than 100,000 GPD per foot. A grid map was placed over the zone map and an average transmissivity value was assigned to each active node. These transmissivity values were used as input for each node.

PUMPAGE

Pumpage is an essential parameter in modeling calculations. A concerted effort was made to obtain comprehensive pumpage data for all of the water users in the Salt River Valley. In general, water users in the SRV do not measure pumpage directly, but estimate it on an annual basis from power records or from records of number of hours a pump operated. Although a considerable volume of pumpage data was obtained, many gaps in the data exist.

Data Sources

The following water users provided data directly to the Department or the U.S. Geological Survey: Buckeye Irrigation District, Roosevelt Water Conservation District, Roosevelt Irrigation District, Salt River Project, Maricopa County Municipal Water Conservation District No. 1, Magma Engineering and Natural Gas Company, Luke and Williams Air Force Bases, and the Cities of Chandler, Glendale, Mesa, Phoenix, Scottsdale, and Tempe. In addition, numerous private water companies provided information including Adaman Mutual, Clearwater, Carefree, Litchfield Park, Sun City, North Valley, Arizona Water, Desert Sage, and Desert Hills.

Data Estimates

Although data was requested for the period 1957-1978, in many instances records were not available for particular years during this period or the water user had purchased a well and was uncertain of its pumpage history. In these cases, pumpage values were estimated by averaging data from years with

records. If a well had been purchased and the construction date and the pumpage history were uncertain, the well was assumed to have existed and been pumped since 1957.

Data Input

Pumpage is input to the model as the total pumpage per node. Files for the SRV model consist of total pumpage by node by calendar year for the years 1957-1978. Pumpage estimates for 1978, however, are not complete and values listed in the file need to be updated. Model documentation files include, in addition to grid designation for each node, the township, range, and section number for each node. Appendix Table No. A-1 is a listing of the pumpage values used in the model.

RECHARGE

Recharge varies considerably over the model area depending upon location and corresponding land use patterns. Recharge increases near river beds and decreases near hard rock areas and basin boundaries. Recharge is larger for nodes containing irrigated lands than for nodes of urban or undeveloped lands.

Data Sources

Recharge to the SRV was considered to occur from six sources: agricultural irrigation, non-agricultural irrigation, sewage effluent, flood flows, canal seepage, and subsurface inflow. Actual measurements of recharge from any of the potential recharge sources considered for this study are sparse to non-existent. Data on the distribution of recharge are also sparse, and data on the distribution by section are non-existent. Thus, recharge values for all types of recharge had to be estimated. Each type of recharge was estimated using different types of data. Consumptive use by crops and irrigation application rates were used to estimate

potential recharge from agricultural and non-agricultural irrigation. Water budget analyses were used to estimate recharge from sewage effluent, canal seepage, and flood flows. Flow net analyses were used to estimate subsurface inflow.

Crop distribution, acreage data, and application rate data were collected from Salt River Project files for Project lands and from the Department's files on Central Arizona Project applications for other irrigation districts and some private irrigators. Canal transmission loss data were also gathered for Salt River Project canals. Flood flow data were used from U.S. Geological Survey records. Additional data were also gathered from consultant reports from various projects throughout the SRV. Additional details on the type of data used and their source are included in the following descriptions of the estimation techniques used for each of the recharge types.

Data Estimates

Despite tedious analyses performed to obtain recharge figures for input into the model, values for this parameter are considered the weakest of all the data types used. This is due primarily to the fact that both recharge values and distributions had to be estimated because of the lack of measured data.

The lack of data includes items of the water budget that result in water being attributed to potential recharge that may actually be lost. These items of the budget include some evaporation losses, soil retention, excess irrigation application runoff as tailwater, bank storage in flood flows, and others. Thus, estimates of potential recharge derived from the simple water budget are higher than actual recharge. The values estimated for the project were not used as direct input to the model. Initial input was 50 percent of the estimated value and the original estimates served as an

upper limit to potential recharge as calibration progressed.

The recharge data developed for the SRV included an estimate of maximum potential recharge from each source for each node. The estimation technique for recharge from each of the six sources are described below.

Agricultural Irrigation

Recharge from agricultural irrigation was determined for irrigation districts and privately owned irrigated lands. The method of estimating potential recharge from agricultural irrigation varies among irrigation districts and private irrigators, mainly because of the difference in record keeping practices among these groups.

Irrigation Districts - For irrigation districts cropped acreages were obtained from Department files from data submitted by each district that applied for Central Arizona Project (CAP) allocations. Some files contained maps which displayed actual crop locations so estimated recharge values could be distributed accordingly. However, most files contained only total acreage for each crop with no indication of cropping patterns. In these instances, recharge values were distributed evenly over irrigated lands in the district.

The year 1969 was selected as a base year for agricultural irrigation data. Cropped acreage and distribution patterns were available for many of the irrigation districts for that year from the CAP applications. Lands in these districts constitute the bulk of the total irrigated land in SRV. For all irrigation districts other than SRP, the yearly potential recharge total was distributed by node for the years 1957-1977 according to the crop distributions indicated in the 1969 data.

However, data from SRP included detailed irrigated acreage data for 1969 and a detailed irrigated acreage map for 1975. The irrigated acreage distribution patterns of the two

years were compared by percentages of total acreage cultivated. In general, the patterns for the two years were quite similar, the major difference occurring in T1S, R4E, where 7.8 percent of irrigated land went out of cultivation between 1969 and 1975.

Using these two years as guidelines, the recharge values were distributed within SRP boundaries for 1957-1969 according to the 1969 distribution and distributed for 1970-1978 according to the 1975 data. The amount of recharge for each node was estimated using a simple water budget: potential recharge equals application rate minus consumptive use. The amount of water each district applied to crops was calculated by multiplying the acres of individual crop type by the appropriate application rate for that crop. Application rates for each crop type were obtained from an unpublished working file report provided to the Department in 1973 by Erie, French, and Harris, 1965 (Ref. No. 17). The amounts of water applied per crop were summed to yield the total water applied per district.

As a check on theoretical application rates, total water applied was compared to the water delivered to each district as reported in the CAP application file. Overall the calculated applied water values for the SRV basin were high by about 7 percent. This is a good correlation and well within the measurement error associated with the delivery estimates used in the CAP applications.

Consumptive use values used in the water budget analysis were values from studies done by the University of Arizona in Maricopa, Pinal and Pima Counties reported by Erie, French, and Harris, 1965 (Ref. No. 17). In areas where crop distributions were not available a weighted average consumptive use value was used. It was assumed cropping patterns were similar throughout the SRV. The weighted average consumptive use of the crop types reported in 1969 was 55 percent of the total water applied.

Privately Irrigated Lands - Privately irrigated lands are those lands where water is not delivered by an irrigation district but by individually owned wells. Data on crop and cropping patterns were not available for these lands. Recharge from these lands was estimated by applying the weighted average consumptive use values developed for irrigation districts of 55 percent. Thus, 45 percent of the total estimated private irrigation pumpage was estimated to be the maximum potential recharge on these lands.

Values of maximum potential recharge ranged from 1.2 to 2.5 acre-ft per irrigated acre. Delivery figures for organized irrigation districts do not include correction for irrigation tail water, thus delivery figures in the districts are higher than actual crop deliveries. Values of maximum potential recharge used in the model include double cropping effects where data were available.

The reliability of recharge values for agricultural irrigation was reduced by lack of specific data for each farming operation. For example, although application rates may vary significantly among farming operations, one standard application rate per crop was used in these estimates. Furthermore, crop distribution patterns are often unavailable resulting in annual recharge estimates being evenly distributed over the irrigated area. The inability to deal accurately with these factors reduces the reliability of these estimates, and as recharge estimates for agricultural irrigation generally constitute the largest portion of total recharge per node in most nodes, the reliability of the total recharge data used in the model are similarly reduced.

Non-Agricultural Irrigation

Recharge from non-agricultural irrigation originates from sources such as residential lawn irrigation and irrigation of parks, playgrounds, golf courses, industrial lands, townsites,

and tree rows. As with agricultural irrigation, determination of recharge values was based on consumptive use and application rate information on the plants involved (primarily grasses) and with the resulting estimates applied over the respective irrigated non-agricultural lands.

Available data indicate the consumptive use of Bermuda grass is about 3.6 AF/acre. In 1978 the average urban SRP user received 4.76 AF/acre for lawn flood irrigation. Assuming that other grasses consume about the same amount of water as Bermuda, this would leave a residual amount of 1.16 AF/acre, or 25 percent of the applied water, available as potential recharge. In 1978 the total water delivered for non-agricultural irrigation by all types of such users in the SRP area was 93,300 acre-ft. Potential recharge then equals 23,300 acre-ft. This was considered the total non-agricultural irrigation recharge for 1978 and was apportioned according to acreage distributions for this type of application found in a portion of the MAG 208 study. The figures generated were applied to all model years assuming few changes in non-agricultural distribution with time. Non-agricultural irrigation recharge was attributed only to acreages within the SRP boundaries as lawn irrigation outside the SRP boundary is assumed to be sprinkler type with a minimal application rate leaving an insignificant residual amount for recharge.

The reliability of the recharge figures used for non-agricultural irrigated lands are subject to problems similar to the recharge figures for agricultural irrigated lands; primarily the lack of specific data for the amount and the distribution of application to these irrigated areas. However, the effect of the inaccuracies on model calibration are very small because of the relatively minor amount of recharge water involved.

Sewage Effluent

Effluent is discharged into the Salt River Channel from sewage treatment plants at 23rd Avenue and 91st Avenue. During the simulation period 1972-1977, discharges from these plants averaged 37,300 acre-ft per year and 73,370 acre-ft per year, respectively.

Recharge from sewage effluent occurs between the 23rd Avenue treatment plant and the Buckeye heading. Sewage effluent from 23rd Avenue is conveyed to the Salt River Channel in a ditch to a point near 51st Avenue. From 51st Avenue the effluent follows the river channel to the Buckeye heading. A water budget study by Halpenny and Green (1975) estimated that about 80 percent of the 23rd Avenue effluent entered the groundwater system as recharge between the 23rd Avenue and the 91st Avenue plants. The report also stated that before the 1966-1967 flooding, 35 percent of the remaining flow in the Salt River Channel from the 23rd Avenue and the 91st Avenue effluent percolated to the groundwater between 91st Avenue and the Buckeye heading. After 1967, the recharge in this reach of the Salt River Channel decreased to 26 percent due to river bed rechannelization. The 26 percent figure was used to calculate recharge between 91st Avenue and the Buckeye heading for the period 1972-1977.

The nodes which received recharge from sewage effluent were determined from locations of the effluent discharge channel as shown on topographic maps. Total potential recharge estimates were then evenly distributed among the nodes in the two reaches for each year of the model simulation periods.

Flood Flows

Flood flows in the Salt-Gila River System in the SRV are another important source of recharge in the SRV. During periods of high runoff the normally dry channel of the Salt River carries large volumes of water resulting in considerable

infiltration losses in the channel. In order to estimate the amount of recharge from flood events, annual river flows volumes were obtained from USGS surface water records published by U.S. Geological Survey, 1961, 1970 and 1972-1975, (Ref. Nos. 50, 51, 52, 53, 54, 55, 56, and 57). These references provided flow measurements at the following points:

1. Salt River below Stewart Mountain Dam
2. Verde River near Scottsdale
3. Gila River near Laveen
4. Agua Fria River at Avondale
5. Gila River below Gillespie Dam
6. Diversions at Granite Reef into the Arizona and South Canals (This data was obtained from unpublished SRP water balance sheets for the years 1957-1974.)

Recharge from river flow was determined using the following equations:

A. Salt River flow (1) + Verde River flow (2) - canal diversions (6) = channel flow downstream from Granite Reef.

B. Gila River flow (5) - Agua Fria flow (4) - Gila River flow (3) = Channel flow at Gillespie Dam from Salt River.

C. Channel flow downstream from Granite Reef (A) - Channel flow at Gillespie Dam (B) = total amount available for channel recharge in model area.

A total of 74 model nodes underlie the Salt River Channel from Granite Reef to the confluence of the Salt and Gila Rivers. The total amount of streamflow loss available for recharge was equally apportioned among these nodes. Total streamflow loss recharge ranged from zero in non-flood years to 330,000 acre-ft in 1973. In the western portion of the SRV downstream of the confluence of the Salt and Gila Rivers, the static water levels are generally at or near land surface; therefore, infiltration from excess stream flow is negligible in this area.

Canal Seepage

Canal seepage is a source of substantial potential recharge in the SRV due to the number and extent of unlined canals. Seepage estimates were made for the Salt River Project canal system, which includes many of the major canals in the model area. Although other irrigation districts also maintain canal systems, seepage could not be estimated for these because the necessary records are not available.

Potential recharge from canal seepage in the SRP system was calculated by subtracting flow measurements at lateral heads from flow at the heads of main canals. The resultant values were distributed equally among model nodes along the length of the system.

The canals considered in this analysis were: Granite Reef to Arizona Falls below Powerhouse, Arizona Canal below Powerhouse, Grand Canal below Powerhouse, Tempe-Western-Kyrene-Highline Canal System, East Branch Consolidated Canal System, Eastern Canal, and Granite Reef Dam to the Diversion Gates. Since evaporation losses were not considered, the seepage values generated here represent maximum potential recharge.

Subsurface Inflow

Recharge in the SRV is not confined to infiltration of water on the surface. A small amount of recharge is also derived from subsurface inflow in those areas on the perimeter of the SRV including northwest of Beardsley, northern Paradise Valley, Florence Junction, west of the San Tan Mountains, and near Komatke. Near Buckeye, boundary conditions vary. Northeast of Buckeye, boundary flow is generally toward the SRV west basin and the cone of depression near Luke Air Force Base. However, there is an area of outflow along the Salt River Channel east of Buckeye in section 30 T1N R3E. Both components of flow were calculated. Results showed that there was a small net inflow along the boundary in this area. This

net inflow was applied as recharge to the appropriate boundary nodes.

Flow for each boundary node was input as constant flow and was established in the following manner: (1) total flow across the boundary was determined by flow net analysis using a weighted average transmissivity for the length of the boundary; (2) the flow for each node was calculated using transmissivity, node width, and hydraulic gradients obtained from water-level maps. The results of the calculations from one or both methods of analysis have been listed in Figure 1.

FIGURE 1

Subsurface Inflows
By Site Locations

Contour Site	Map	AF/yr from Flow Net Analysis (1)	AF/yr from Q=Tiw Analysis (2)	
Beardsley	1964 USGS	2100 (inflow)	2000	(inflow)
Paradise Valley	1976 USGS	1100 (inflow)	1500	(inflow)
Florence Junction	1964 USGS	17700 (inflow)	22900	(inflow)
San Tan Mountains	1964 USGS	2000 (inflow)	*	
Komatke	1964 USGS	2000 (inflow)	*	
Buckeye	1964 USGS	---	800 2300	(ouflow) ** (inflow)

*Computed values were not reliable due to errors in the water-level maps.

**In the Buckeye area the boundary is complex. North of the Gila River Channel groundwater flows toward the cone of depression in the Luke-Goodyear area. In the vicinity of the river channel groundwater flows down the natural drainage of the Gila River. Both components were considered in the analysis.

In general, the 1964 water-level elevation contour map, from which flow net calculations were made, was the earliest reliable map. In northern Paradise Valley, the 1964 map was insufficient due to a lack of data in T4N, R4E, near the model boundary. As a result, the 1976 map was used to determine subsurface inflow in this area. The flow estimate for the Northern Paradise Valley area is less than reported by Arteaga, White, Cooley and Suthiemer, 1968 (Ref. No. 3). The difference is due to the location of the cross section used for the flow net and different estimates of transmissivity made during SRV Cooperative Study.

Anomalously high flow rates were calculated in the area just west of the San Tan Mountains. Flow from this area to the north was calculated to be about 96,000 acre-ft/yr on the basis of flow net analyses using data from the USGS 1964 contour map. A flow of this magnitude was considered highly unlikely. It was suspected that this map showed contours of a perched zone (appearing as a groundwater dome) rather than the regional aquifer. The flow volume used in the model, 2,000 acre-ft/yr, which was obtained from a flow net analysis performed on the 1964 Bureau of Reclamation groundwater elevation map prepared for the Central Arizona Project environmental reports, appeared far more reasonable considering the hydrologic conditions of this area. This discovery led to changes to the groundwater elevation node maps in this area for the years 1964, 1969 and 1972. Portions of the 1964 and 1972 USGS maps were recontoured to remove the contours of the perched zone.

Outflow occurs in only one small area, north of Buckeye, where the model boundary crosses a groundwater divide in the Buckeye-Liberty area. To the north of Liberty there is a remnant of the natural gradient to the west out of the modeled area. Most of the subsurface flow, however, has been reversed due to intense pumping in the Goodyear-Avondale-Luke area. Since the amount of outflow was small, it was subtracted from

total inflow to yield a net inflow into the modeled area; this net amount was applied as recharge along the boundary.

To sum up this discussion then, subsurface inflow values are estimates as are all of the recharge values used in the modeling effort. These estimates are based on groundwater elevation contours and other data which may not be reliable. These values cannot be improved significantly until additional water-level data, water use data, and aquifer data from pump tests become available.

It is essential to stress that, in general, all types of recharge are estimates of the maximum potential water available for recharge. The values calculated for the modeling process were intended for use as the upper limit of recharge available in the calibration phase of the model only. The values indicated should not be construed as absolute estimates of actual recharge.

Data Input

The original recharge estimates from each of the various sources were summed for each node and varying proportions of the total were used as model input. The values represent the maximum potential recharge per node per year, and are listed in Table A-2.

CHAPTER III MODEL RESULTS

The results of the model effort are discussed in terms of the calibration period and accuracy of the resulting model. The capabilities of the calibrated model are discussed in Chapter IV.

After data input for the model was prepared, numerous model runs were made to calibrate each of the four originally selected simulation periods. During the calibration process, each of the five basic input data types were carefully evaluated and reasonable changes made as required. After much

effort, it was determined that the input data would allow calibration for only one simulation period, 1972-1977. The values of the data that yielded the best match of model and measured (and estimated) values in the calibration process are presented in tabular form. These values are considered to be the best estimates of various types of data currently available.

Knowledge of the accuracy of the calibrated model is imperative for its use as a management tool. The accuracy of a model is judged in terms of its ability to reproduce measured water-level configurations within a given error range. The selected error criteria and the water levels produced by the model are discussed in detail in the following sections.

CALIBRATION OF THE MODEL

Calibration of the model involved adjusting the values of the model input parameters so that the differences in calculated versus measured groundwater elevations for the end of the simulation period were minimized. The order in which the different types of data were to be changed was based on initial assumptions as to their reliability, and the changes were limited to stay within reasonable limits for the value of each parameter. This order, from the most to the least reliable, was as follows:

1. groundwater elevations
2. pumpage
3. transmissivity
4. specific yield
5. recharge

In addition to decisions on changes in the hydrologic parameters involved in calibration, a decision had to be made as to when the model was sufficiently calibrated. Models cannot be calibrated to 100 percent accuracy because a model is never as complex as the system simulated. One of the functions of the modeler is to simplify a complex system by

dividing it into less complex components which can be defined by approximations (mathematical in this case). Models are judged to be accurate (or sufficiently calibrated) when the simulated results approximate the measured results within acceptable error criteria. Acceptable error, different for each model, is generally defined by the modeler and is dependent on the accuracy of the input data. The errors associated with each of the data input types indicate the accuracy that may be achieved. For example, if water-level elevations are accurate to within plus or minus 10 feet, the model should not be expected to be more accurate.

The acceptable error criteria is generally controlled solely by the accuracy of the input data. However, the number of calibration attempts to reach the error criteria is controlled by the sensitivity of the model to changes in input data. Shortcomings of the model, such as inadequate data or wrong assumptions in the conceptual model, may make it impossible to reach the desired error criteria. In this case, calibration attempts are terminated when reasonable changes in the input parameters cease to make significant improvement in the model results.

In the SRV model study, the average error was one of the criteria used to evaluate model accuracy for calibration. Error is defined as the difference between the calculated water levels and the measured water levels at the end of the simulation period. This indicator is only a guide and must be evaluated with full consideration of the distribution of error in the system. Understanding the areas where large errors occur and the reason for the errors is important to the interpretation of the model results.

A value of ten feet was chosen as acceptable error because it represents the possible error in water-level elevation data. It is unreasonable to expect the model to calibrate closer than the possible errors in the primary input data.

Calibration changes in the input parameters were made only within reasonable values, reasonable values being the estimated range of minimum to maximum for each parameter described in the data collection efforts, and documented ranges of values in published literature. (Example: estimates of specific yield used in calibration ranged from .01 to .25). Within these criteria, much of the model did not calibrate to within the acceptable error criteria. Much of the model did, however, react as the natural system did and errors did not exceed the acceptable error by large amounts.

It was originally assumed that recharge values would be changed first followed by specific yield, if it became necessary. However, contrary to what would be expected, initial calibration attempts indicated that several areas in the valley had water-level rises or insufficient declines in areas of large development. Model runs for the periods 1964-1969, 1969-1972, and 1972-1977 all showed significant problems with calibration. Many areas in the model simulation declined where the water-level contour maps showed rises. Normal calibration procedures (varying recharge, specific yield and/or transmissivity) would not cure the problem. To achieve water-level elevation rises required by the initial calibration attempts, inflow would have to exceed outflow, i.e., recharge would have to exceed pumpage. As the data gathered for estimating these parameters indicated that this was impossible, groundwater elevations and flow patterns were reviewed.

There are several possible explanations for these problems. There could be errors in groundwater elevation data, coding, and contours; or water level rises may not occur throughout the aquifer,that is, the water level rises may only occur locally in perched zones.

In an attempt to identify which of these problems existed in the water-level data, the actual measurements used in the original maps were gathered and plotted. Measurements for the

1964 and 1969 maps were sparse and were little help in determining why there were major differences in these maps. Thus, attempts to calibrate 1964-1969 and 1969-1972 periods were abandoned.

The water-level data obtained from the U.S. Bureau of Reclamation records for the 1972 water-level map revealed no apparent errors and the data obtained matched the contour maps in most cases. However, on close inspection of the 1972 and 1976 contour maps, it became clear that the contours on the maps were drawn employing different assumptions. Contour maps are drawn ing the available data and an assumption of how the groundwater flow system works, i.e., the contours are drawn to predetermined patterns employed by the various authors, none of which have the benefit of an actual model. The problem with the 1972 to 1977 simulation period was partially solved by recontouring the 1972 map using the 1976 to 1977 USGS maps by Laney, Ross, and Littin, 1978 (Ref. No. 25) and Ross, 1978 (Ref. No. 38) as a guide, as it was felt that these authors had the most and best data available to them when they drew the maps.

After recontouring the 1972 water-level data, the model simulated water levels were in much better agreement with the measured data; therefore, calibration resumed as originally envisioned. Recharge was added or subtracted to nodes according to what the model required to reach calibration. If the model calculated more decline in groundwater elevations in a particular node than actually occured, recharge was added based on the prevailing geologic and hydrologic conditions and judgement. Where the model calculated too little decline, or calculated more rise than actually occured, water was removed from the node usually by reducing the recharge from that initially estimated for the nodes in question. The initial recharge values were considered maximum potential values; and, therefore, areas that required additional recharge were scrutinized, and more water was added only if additional

sources of recharge were found to exist.

In order to alter the effects that changes in pumpage or recharge had on groundwater elevations, the specific yields of the nodes involved were modified. For example, if reasonable decreases in recharge didn't result in a corresponding lowering of groundwater elevations, the specific yield was lowered, providing this change was judged reasonable.

Transmissivity was changed when it was necessary to change the rate of flow of water from one area to another or simulate gradient changes. However, it was found that changes in transmissivity did not have significant effects on the model.

As changes to recharge, specific yield, and transmissivity were sufficient to calibrate the model for the simulation period 1972-1977, and because of the reliability of the pumpage data collected, pumpage values were not changed from the initial input values.

CALIBRATED RESULTS

Final Recharge Values

The SRV has several complex recharge mechanisms. The Salt River Channel, where large amounts of recharge occur, is a good example. Initially, it would appear that flood flows are the source of the recharge in the channel. Closer inspection shows recharge sources in the river channel also include sewage effluent discharges from the 91st and 23rd Avenue treatment plants, urban runoff and irrigation tailwater. Estimating recharge from agricultural irrigation is also more complex than simply computing the residual from application rate and consumptive use. Several potential sources of recharge are associated with agriculture, such as canal seepage and tailwater which may or may not be reused. Because of this complex system, recharge values used for model calibration can only be approximately determined. Only the

two largest sources, streamflow from effluent and flood flow and agricultural irrigation, appear to have direct correlation with the recharge distribution used in model calibration.

Flood Flows (River Channel Recharge) - The highest recharge values associated with flood flows are found in the Salt River Channel. In the Salt-Gila River Channel, average annual recharge is about 1,250 acre-feet per channel mile per year during the 1972 to 1976/77 simulation period. Flood flow recharge in the Salt River Channel, estimated in acre-feet per square mile per year, occurs along the southern border of the Salt River Indian reservation, in the area north of Tempe-Mesa and in the areas south of Maryvale and Tolleson.

In the West Basin, an area of high recharge values outside the Salt River Channel, in the central part of the basin, is presumably associated with flood flows from the New and Agua Fria Rivers. However, there is considerable agricultural development in this area which contributes to the total recharge. Evaluation of the proportion of the total recharge attributable to flood flows of the New and Agua Fria Rivers is not possible due to the lack of detailed stream flow data for this area.

Recharge From Agricultural Irrigation and Canal Seepage - In the East Basin, recharge other than flood flow recharge occurs primarily in the Salt River Project area and in the Queen Creek area. Two small areas of high recharge, where values exceeded 2,000 acre-feet per square mile per year during the 1972 through 1976/77 simulation period, are located south of Mesa and Chandler. The high recharge was presumably due to a combination of agricultural irrigation and canal seepage. Another area of high recharge is located in northern Scottsdale, possibly due to seepage from the Arizona Canal. In the central portions of the SRP and Queen Creek, agricultural area average annual recharge values range between 1,000 and 2,000 acre-feet per square mile per year. In other

agricultural areas of the East Basin recharge values generally range from a few hundred to two thousand acre-feet per square mile per year.

In the West Basin, agricultural areas contribute significant recharge to the groundwater system in the Buckeye area, north of the Gila River Channel, the Goodyear-Tolleson area, and the McMicken Irrigation District. All of these areas are near major stream channels of the Salt, Agua Fria or New Rivers and thus, the amount of recharge from agriculture versus the amount from flood flow infiltration is difficult to assess. In some areas, such as northeast of Buckeye, water quality changes have indicated that irrigation return flow is contributing nitrate rich waters due to the use of sewage effluent for crop irrigation. However, it is difficult to evaluate the proportion of recharge from agricultural irrigation (using effluent as part of the supply) versus the recharge from effluent discharge in the river channel and transport in unlined canals because both sources are high in nitrate concentration. In areas away from the stream channels, recharge in the West Basin is similar to that in the East Basin and average annual recharge ranged from a few hundred to a few thousand acre-feet per year per square mile during the 1972 to 1976/77 simulation period.

The SRV Cooperative Study has attempted to define the types of recharge and the maximum potential values associated with each type. However, the model uses only total recharge in the finite difference approximation, thus the values used in the modeling effort are reasonable but are only estimates which satisfy this modeling effort. For that reason, no attempts have been made to separate the final recharge values into the recharge types used to estimate the total. Table A-3 lists the calibrated total recharge values.

Final Specific Yield Values

Most of the changes made in specific yield values during

calibration were small in absolute terms, but large relatively. For example, if specific yield for one node is changed from 10 percent to 12 percent, an absolute increase of only 2 percent, the relative change is an increase of 20 percent which is the degree of response felt by the model.

The general patterns of specific yield, throughout the SRV, based on the ranges initially established have changed little during calibration. Specific yield values are moderate to high (10 to 25 percent) along the present and historic river channels. Present channels include Salt, Gila, Agua Fria and New Rivers. Also included are the apparent ancestral channels of the Salt River in the Mesa-Chandler area and old channels of the Agua Fria and New River near Union Hills. Low to moderate values of specific yield (0 to 10 percent) are found in the central portions of the East and West Basins, such as the southern Paradise Valley and the Glendale and Beardsley areas. Table A-4 lists specific yield values that were used in the final calibration attempt.

Final Transmissivity Values

Transmissivity values range widely over the modeled area. Initially, three transmissivity value ranges were established to aide in identifying relative transmissivity zones. The ranges considered for this study were: low: less than 25,000 gpd/ft (gallons per day per foot); medium: 25,000 to 100,000 gpd/ft; and high: greater than 100,000 gpd/ft. Table A-4 also lists, by township, range, and section numbers, transmissivity values used in the final calibration attempt.

During the calibration effort, it was found that order of magnitude changes in transmissivity are necessary to cause significant changes in the water-level elevations calculated by the model. Because of this insensitivity, transmissivity patterns were not changed significantly from the initial data input. Transmissivity values were low to moderate at the bases of mountain fronts and high in areas along river

channels, similar to specific yield. There were low transmissivity values throughout northern and central Paradise Valley, parts of the Glendale-Deer Valley area, and the Luke Air Force Base-Litchfield Park area. There are indications that there may be low transmissivity values in some parts of the southeastern SRV, based on results of the DWR Aquifer Parameter Program. Calibration did not change the transmissivities in this area because there was little change in water levels and very little stress in this area during the simulation period.

One area that required significant changes in transmissivity values was the area between the cone of depression near Luke Air Force Base and the Salt River Channel. Extensive pumping in the Luke area and large amounts of recharge in the southern part of the area, along the Salt River, have produced a steep gradient between the river and the cone of depression. The steep gradient in this area is primarily due to the layering of the aquifer materials. The coarse grained river sediments collect large amounts of recharge which are not readily transmitted to the lower portions of the aquifer which are comprised of much finer material. Thus, a steep gradient is necessary to move water from the river channel area to the Luke area. The variation in sediment type with depth and the steep gradient of the water-level surface indicate that the groundwater flow is primarily vertical in this area. The transmissivity values used in this study are predominantly estimates of horizontal flow characteristics of the aquifer and do not adequately represent the aquifer system in this area. In order to approximate the vertical flow occurring in the aquifer system, a series of low transmissivity nodes was placed between the river and the cone of depression near Luke. These changes in transmissivity values were one to two orders of magnitude lower than the original estimates. The manipulation of transmissivity in this area improved the simulation but did not completely correct the problem because the two-dimensional

solution is not adequate to simulate a three-dimensional system.

Final Pumpage Values

Pumpage values estimated for the model study are based on the best available data from each of the water users. No changes in pumpage patterns or values were made during calibration (See Table No. A-1).

MODEL ACCURACY

The accuracy of the SRV Cooperative Study model may be evaluated by the model's ability to duplicate observed water levels and to reproduce the water table configurations measured in the real system. The difference between measured and simulated water levels is called error; ideally, the entire model area should calibrate to within the plus or minus a ten-foot error criteria.

Table No. A-5 is a listing, by township, range, and section, of beginning (1972), measured ending (1976-1977), and calculated ending (1976-1977) water-level elevation values. Also listed are the differences in measured and calculated ending water level. This difference is the error used in evaluating model performance.

Plate No. 2 shows the areas where the error is greater than 25 feet. Close inspection of the geology and hydrology of the areas of significant error indicates similar geohydrologic patterns. The largest errors occur where groundwater levels are very near the land surface and are adjacent to the areas of steep gradients such as north of the Goodyear-Avondale-Tolleson areas and near the Tempe Narrows in the Scottsdale area. Both of these areas have a large source of recharge along the Salt River Channel adjacent to a major cone of depression. Also, both are characterized by significant vertical variations in aquifer material. Typically, very coarse river alluvium overlays sandy clay or

silty clay in the areas of recharge (the river channel) and intermixed sand, silt, and clay in the cones of depression. The reason for the large error associated with this geologic configuration is the layered system beneath the river channel. The layers in these areas have large relative differences in vertical permeability (possibly two to three orders of magnitude). Most of the test data in the area are from wells that are open to the highly transmissive Salt River gravels; the wells do not penetrate the underlying fine-grained units. Even though the system is under water-table conditions, the communication between the upper and lower material is poor; and over short periods of time, it appears to be two systems.

The two-dimensional model used for the SRV modeling effort does not reflect this system well. The model is intended to simulate horizontal flow, not the vertical flow, which apparently is occurring in these areas. The water recharged in the river channel is affected by changes in vertical permeability, which the two dimensional model used does not portray. The high horizontal permeabilities used in the model, as estimated from test data, allow recharged water to be transmitted to the nearby withdrawal areas too readily. This lowers the simulated water levels beneath the river channel and raises the simulated water levels in the withdrawal area opposite of what is observed in the measured water levels.

Problems such as these may possibly be modeled using layered two-dimensional models or three-dimensional models. However, these models require more information for the various layers than is available at this time. With implementation of the data collection efforts outlined in the "Data Improvement" section, a subsequent attempt at layered or three-dimensional modeling may be possible.

In addition to error, a comparison of the contour configurations of simulated and measured elevations are

helpful in assessing the model's accuracy. The configuration of the simulated water-level elevation contours should be very similar to the measured water-level elevation contours. Plate No. 3 is a contour map of simulated 1976-1977 water-level elevations. Comparison of this map with the USGS water-level elevation map, Plate No. 1, indicates that the spatial relationships of the contours and the direction of flow are correct. However, some of the gradients are different due to the errors described above. The similarity of these maps indicates the model is reacting to stress and changes in stress in the same manner as the real system in most of the area. The differences in gradients and magnitudes of the respective declines and rises in the model are the results of poorly defined aquifer parameters, water-level data and recharge or pumpage information.

As can be seen from comparison of the maps, the SRV model is sufficiently accurate to obtain a general understanding of the system and its response to stress or changes in stress in most of the modeled area. However, when the model is used as a planning tool, those areas where errors exceed 25 feet over the simulation period must be reviewed carefully because predicted values in these areas will be less reliable. The model can be improved with additional work and reorientation of some of the data gathering efforts to provide information on vertical head differences.

CHAPTER IV MODEL DEVELOPMENT AND CAPABILITIES

As developed for Phase II, the computer programs for the model of the SRV required changes to input parameters on a node by node basis. Predictive modeling requires the capability to change input data arrays, especially pumpage and recharge, over large areas and many nodes to evaluate alternative plans for the future. To simplify the use of the model for predictive uses requires flexibility and ease in input data changes. Recent changes have been made to the SRV Cooperative Study model in preparation for its use as a

planning and management tool. These changes consist of modifications to the programs that manage the data base and changes to the model's program.

The modified data base programs identify pumpage and recharge by type, by location and by year. Two types of pumpage are listed, agricultural and municipal. Recharge is separated into five types: recharge related to agricultural applications; recharge related to municipal uses (effluent); natural recharge and flood flows; canal seepage; and residential irrigation. These changes allow the data base to be searched to provide useful summaries of historic pumpage and recharge by type and will provide a base for modifications of extrapolations of the data as desired for use in projecting future conditions.

The model's program has been modified to allow predictive runs to be made with the model utilizing user-selected projection period lengths and output formats. The user can select from options for the printing of drawdown maps and section by section information on aquifer parameters, pumpage, recharge, and water level changes.

There are a variety of uses for which the model has an immediate application. These applications consist of short-term projections, five to ten years in length, to simulate relative effects of changing pumping amounts and locations. For example, pumping patterns of municipal or agricultural well fields can be determined to minimize short-term water-level declines, and thus, minimize power consumption. Installation of new wells or well fields can be simulated to determine interference effects on other groundwater users in the immediate vicinity. Although the model deals only with water quantities, the supporting data on water quality can be used in conjunction with model projections to evaluate potential changes in groundwater quality in a well field over time. Short-term simulations minimize the cumulative effects of the errors in the model. As better and more plentiful data

become available in the future, the length and detail of future projections can be expanded.

Accurate depictions of future conditions further into the future are dependent upon how accurately the future demands for water and recharge from the various sources can be predicted, as well as the accuracy with which aquifer conditions are described in the model. Aquifer conditions vary areally and with depth so that as water levels decline, the data in the model describing current conditions becomes less and less appropriate. Knowledge of these changing conditions can be obtained through continued, careful data collection and analysis as new wells are drilled throughout the area.

Multiple model simulations can be made to compare the impacts of a variety of alternative development plans, or to plan data collection efforts necessary to improve the accuracy of the model. Used in this fashion, model predictions of water-level change will provide precise information on the difference in impacts between alternatives or the sensitivity of the model to data errors over any time period, short or long.

CHAPTER V RECOMMENDATIONS

The data deficiencies encountered in this study and recommendations concerning these deficiencies are categorized according to 1) data needs; and 2) data improvement. Prior to completion of this model, Senate Bill 1001, the Groundwater Management Act, was enacted by the State Legislature. The legislation has placed added responsibility on the modeling study cooperators and other water users in the SRV. As a result of this act, water users in the Phoenix AMA are required to furnish data to the DWR on their annual groundwater pumpage, new well construction data, and aquifer test data. The filing of such data in compliance with the law will allow updating of the SRV model through expanded data

collection efforts necessary to monitor compliance with the management plan.

The data collection and reporting techniques recommended in this section were developed in response to provisions of the new law. These procedures as they are developed will be coordinated with the Phoenix AMA reporting requirements to provide maximum use of data and to prevent duplication of effort.

DATA NEEDS

In order to make the model more reliable, certain data needs must be satisfied. Two periods of time may be established as having different data requirements: 1) the period since the last calibration (1977 to 1982); and 2) the future periods.

Updating the model for the current period would require the continuation of data collection efforts initiated for this report. This effort will include the collection of pumpage information for the intervening years, 1978 through 1982, an inventory of new wells drilled since 1978, and an examination of changes in land use patterns since 1978. Information collected during the floods of 1978, 1979, and 1980 and additional water quality data would also be evaluated.

Future data needs center around the three-dimensional nature of the aquifer system. For example, delineation of changes in hydraulic head with depth would define the vertical flow components that occur in the system in response to stress. Changes in water quality and permeability with depth also need to be identified. These poorly quantified items should have a high priority in future data collection programs.

Presented below are the types of data required. These data requirements apply to both the current and future periods. The requirements include physical well data, pumpage

data, irrigated acreage data, well test data, and water quality data. The appropriate unit of measure for each data type requested is included in parenthesis, and the proper form, for data required by the new code, is referenced. Copies of the forms referred to are included in the appendix.

Physical Well Data (Required by A.R.S. 45-600) Form - Well Driller Report

Local number and state location (township, range, section, 1/4, 1/4, 1/4, section of well)

Driller and other logs

Construction and Performance data

Date drilled
Depth (ft)
Casing diameter (in)
Depth cased (ft)
Perforated interval(s) (ft)
Type of perforation(s)
Method of drilling (cable tool, rotary, etc.)
Static water level (ft)

Status of well

Active
Abandoned

Pumpage Data (Required for a Well with Greater Than 35 GPM Capacity, A.R.S. 45-632) Form (Not Yet Available)

Amount of pumpage (acre-ft)
Method of measurement (type of metering device)
Use of water pumped

Agricultural irrigation
Industrial
Municipal

Irrigated Acreage Data (Required by A.R.S. 45-465) Form - Grandfathered Rights Application

Acreage by crop (if possible)
Distribution/location patterns of crops
Crop application rate (acre-ft per acre per year)
Estimate of tailwater lost from system (acre-ft)
Estimates of canal/lateral losses (acre-ft)

Note: The data listed were required by law for Grandfathered Rights Applications. However, the requirement was for the application period only; and some of these data are voluntary. The data, if gathered and kept by the water user, will be very helpful in future modeling and planning efforts.

Well Test Data (Required by A.R.S. 45-600) Form - Completion Report

Well performance tests

Static water level (feet below land surface); this should not be a flash static; data and method of measurement (airline, sounder, etc.)
Pumping water level (feet below land surface)
Discharge (gpm); method used (orifice, flow meter)
Specific capacity (GPM/ft of drawdown)

Aquifer testing (not required by law) if available

Static water level (feet below land surface); this should not be a flash static; data and method of measurement (airline, sounder, etc.)
Pumping water level (feet below land surface)
Discharge (gpm); method used (orifice, venturi meter)
Specific capacity (GPM/ft of drawdown)
Time drawdown data
Distance drawdown data
Description of observation well including all physical well data as mentioned in category A
Distance to observation well

Water Quality (Not Required by Law)

Sample depth
Sampling Procedure
Results of chemical analyses
Name of testing lab
Well location and date of analyses for each sample
Discharge when sample taken
Duration of pumping prior to sampling

DATA IMPROVEMENT

In addition to the expanded groundwater data collection efforts in the future, there is also a need to improve the quality of data. For example, many problems encountered in this modeling effort have been related to water levels or groundwater elevations. Water levels should only be measured in wells where sufficient physical well data, such as the well depth, diameter, and perforated intervals are available. This type of information can be used in identifying, and therefore, separating measurements of regional water levels from perched water levels. It is also useful to include information such as the proximity of pumping wells as a means of establishing the validity of static water-level measurements.

Careful documentation of data gathering and testing procedures cannot be underestimated. A description of the steps used in data gathering can provide information concerning bias in the data, if any exists. Standardized procedures should be followed, standard terms should be used in discussing results and standard dimensional units should be used in reporting data. This will produce a consistent data base that is efficiently stored with a minimum of error and is useful to a variety of interests.

This can be done by establishing and using standard groundwater data collection procedures as described in a variety of standard methods manuals. An excellent example of this type of manual is "National Handbook of Recommended Methods for Water-Date Acquisition" (U.S.G.S., 1980).

CHAPTER VI CONCLUSIONS

The SRV Cooperative Study has developed a comprehensive data base comprised of groundwater, aquifer, and water use data collected from most of the major water users in the Salt River Valley. This aggregate of information has been used to build and calibrate a two-dimensional groundwater flow model

of the aquifer systems of the Salt River Valley. The groundwater model accuracy is generally good and simulates groundwater flow conditions for the years 1972 thru 1977. During the modeling efforts, several data deficiencies were noted which affect the accuracy of the model and limit understanding of the aquifer system in portions of the SRV. Notwithstanding these deficiencies, the SRV model is the best analytical tool available for evaluating conditions and response of the aquifers in the SRV. As such, the model may be used for planning purposes for the near future, ten years or less, with confidence that the model will react similar to the actual system, although the amount of change the model predicts must be evaluated in light of the potential error associated with the model.

The SRV Cooperative Study model can be significantly improved with data gathered in a program such as the one recommended in this report. Periodic update of the SRV model using data collected in the efforts described, and using the knowledge gained from the collection efforts, will provide a better planning tool. It will provide more accurate simulation and longer simulation periods. This will improve the confidence level with which the model may be used, and extend the projection time period that can be modeled with confidence.

GLOSSARY OF TERMS

A number of terms used in this report are defined below. The definitions were modified from Lohman and others (1972).

Aquifer -- A geologic formation, group of formations, or part of a formation that contains sufficient saturated permeable material to yield significant quantities of water to wells and springs.

Artesian aquifer -- See confined aquifer.

Confined aquifer -- An aquifer in which groundwater is confined under pressure significantly greater than atmospheric pressure; artesian conditions. Synonym: artesian aquifer.

Discharge -- The processes by which water leaves an aquifer.

Flow line -- The path that a particle of water follows in its movement through saturated, permeable rocks.

Groundwater divide -- A ridge in the water table or other potentiometric surface across which groundwater does not flow.

Groundwater model -- A mathematical representation of a groundwater flow system.

Head -- The height above a standard datum of the surface of a column of water that can be supported by the pressure at a given point in an aquifer. In this report, head is referred to National Geodetic Vertical Datum of 1929. See potentiometric surface.

Hydraulic conductivity -- The rate at which water is transmitted through a unit cross-sectional area of an aquifer under a unit hydraulic gradient. It describes the ability of the aquifer material to transmit water, and it may have substantially different values in the horizontal and vertical directions.

Hydraulic gradient -- The change in static head per unit of distance in a given direction.

Potentiometric surface -- A surface representing the hydraulic head in an aquifer. In an unconfined aquifer this is the water table. In a confined aquifer, it is represented by the level at which water would stand in tightly cased wells.

Recharge -- The processes by which water enters an aquifer.

Specific capacity -- The specific capacity of a well is the rate of discharge of water from the well divided by the drawdown of water level within the well.

Specific yield -- Of a rock or soil has been defined as the ratio of (1) the volume of water which the rock or soil, after being saturated, will yield by gravity to (2) the volume of the rock or soil.

Steady state model -- A model of a system in equilibrium, in groundwater modeling a model of an aquifer system in which inflow to the system equals outflow from the system with no change in storage. Usually used for calibrating transmissivity or hydraulic conductivity.

Storage -- In groundwater hydrology, this term refers to water detained in a groundwater reservoir.

Storage coefficient -- The volume of water an aquifer releases from or takes into storage per unit surface area of the aquifer per unit change in head. In a confined aquifer, the storage coefficient reflects release from storage due to compression of the aquifer and expansion of water. See also specific yield.

Transmissivity -- The rate at which water is transmitted through a unit width of an aquifer under a unit hydraulic gradient. It describes the ability of the entire thickness of an aquifer to transmit water. Transmissivity is the product of hydraulic conductivity and thickness of the aquifer.

Unconfined aquifer -- An aquifer having a water table. Synonym: water-table aquifer. See water-table aquifer.

Water budget -- An accounting of the recharge, discharge, and storage changes in a hydrologic system.

Water-level elevation -- Elevation of the water level above mean sea level. See also head.

Water table -- The water surface in an unconfined aquifer at which the pressure is equal to atmospheric. It is the water level in wells that penetrate the uppermost part of an unconfined aquifer.

Water-table aquifer -- See unconfined aquifer.

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APPENDICES

TABLE A1 P U M P A G E PAGE 1

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
A-01-01 02	57-63	3827	3827	4441	3779	4731	3293	4352
	64-70	3689	3042	2684	4227	2109	2908	3652
	71-77	4272	3671	1797	2989	3727	3101	3508
A-01-01 03	57-63	2119	2119	3089	3043	3327	3135	3382
	64-70	3003	2690	2270	3302	1972	2777	3329
	71-77	3523	3517	1867	2637	2635	2680	2846
A-01-01 04	57-63	0	0	0	0	0	0	0
	64-70	370	370	1464	2193	838	415	505
	71-77	567	543	249	548	501	472	474
A-01-01 05	57-63	0	0	0	0	0	0	0
	64-70	950	950	950	1642	774	1066	1297
	71-77	1456	1393	640	1407	1286	1211	1216
A-01-01 06	57-63	1593	1593	2044	1865	2018	1679	1387
	64-70	2921	2466	3112	5718	1799	1900	2825
	71-77	3616	3222	871	2944	3043	2435	2641
A-01-01 07	57-63	28	28	63	28	28	28	28
	64-70	28	28	28	28	28	28	0
	71-77	0	0	0	0	0	0	0
A-01-01 08	57-63	0	0	0	0	0	0	0
	64-70	608	608	1526	3211	1420	681	829
	71-77	930	891	409	899	821	774	777
A-01-01 09	57-63	1672	1672	1893	1850	2164	1692	1814
	64-70	1723	1524	597	1519	259	484	1524
	71-77	2023	1335	78	1031	1336	1153	1287
A-01-01 10	57-63	1626	1626	2036	2032	2655	1568	1365
	64-70	1973	1820	1544	3774	1410	1619	2371
	71-77	2862	2564	721	1938	2373	1795	1487
A-01-01 11	57-63	5167	5167	5750	5352	5652	5153	5322
	64-70	5091	4920	2306	5763	4100	4753	5100
	71-77	5433	5008	2073	5157	6205	5859	5015
A-01-01 12	57-63	7856	7856	7856	7856	7856	7856	7856
	64-70	7856	7856	4567	7856	7856	7856	7856
	71-77	7851	7851	4562	7376	8136	8875	7020
A-01-01 13	57-63	0	0	0	0	0	0	0
	64-70	394	394	394	681	321	442	537
	71-77	603	577	265	583	533	502	504
A-01-01 14	57-63	0	0	0	0	0	0	0
	64-70	551	551	1115	2360	1203	618	751
	71-77	844	807	371	815	745	702	704
A-01-01 15	57-63	0	0	0	0	0	0	0
	64-70	706	706	1248	2062	668	792	963
	71-77	1081	1035	475	1045	955	900	904
A-01-01 16	57-63	0	0	0	0	0	0	0
	64-70	563	563	2097	3650	2141	631	768
	71-77	863	826	379	834	762	718	721
A-01-01 17	57-63	0	0	0	0	0	0	0
	64-70	532	532	601	1315	557	596	725
	71-77	814	779	358	786	719	677	680

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-01-01 18	57-63	75	163	185	193	173	206	254
	64-70	838	900	1165	2715	1450	766	946
	71-77	1228	1230	599	1418	1001	1212	1223
A-01-01 19	57-63	875	875	898	1865	764	981	1137
	64-70	909	651	653	1312	464	631	891
	71-77	1220	1143	179	776	723	510	623
A-01-01 21	57-63	0	929	1241	0	1285	1240	1923
	64-70	2594	2537	1652	3582	1140	1957	2588
	71-77	3174	3284	934	2364	2274	2381	2713
A-01-01 22	57-63	0	0	0	0	0	0	0
	64-70	6	6	1121	1658	803	7	8
	71-77	9	9	4	9	8	8	8
A-01-01 23	57-63	2149	2149	2539	2356	2912	2138	2103
	64-70	1835	1770	1316	2335	1365	1316	1941
	71-77	1647	1998	923	2000	2242	1866	1908
A-01-01 24	57-63	1034	1047	1957	3967	2691	2357	2609
	64-70	2234	1468	825	1851	1058	1250	2352
	71-77	2297	2041	359	1423	2750	1883	1438
A-01-01 26	57-63	0	0	0	0	0	0	0
	64-70	601	601	874	1723	750	674	819
	71-77	920	881	404	889	813	766	769
A-01-01 27	57-63	0	0	0	0	0	0	0
	64-70	66	66	120	68	53	60	65
	71-77	67	70	59	70	82	82	84
A-01-01 28	57-63	3117	3125	3130	3203	3936	3864	4541
	64-70	5108	4927	5034	6082	5481	5348	4888
	71-77	7446	6073	5956	5872	7140	6833	6154
A-01-01 29	57-63	0	0	0	0	0	0	0
	64-70	122	122	633	877	532	137	165
	71-77	186	178	82	180	165	155	156
A-01-01 30	57-63	0	0	0	0	0	0	0
	64-70	997	997	1227	2218	1017	1117	1359
	71-77	1527	1461	671	1476	1349	1270	1275
A-01-01 32	57-63	0	0	0	0	0	0	0
	64-70	625	625	1146	1422	1002	560	609
	71-77	626	656	554	654	773	775	785
A-01-01 33	57-63	5036	5036	6112	4828	3429	5048	4610
	64-70	4820	4563	4261	3874	2706	4847	3322
	71-77	3425	3842	2614	2752	2924	2676	2520
A-01-01 34	57-63	0	0	0	0	0	0	0
	64-70	416	416	416	423	334	373	405
	71-77	416	437	369	435	515	516	523
A-01-01 35	57-63	5725	5725	5874	6427	5337	7056	5650
	64-70	5896	5865	5871	5742	5696	4016	4509
	71-77	4065	3772	5072	4050	4538	5010	3522
A-01-01 36	57-63	2117	2117	1605	2579	2278	1939	2020
	64-70	1495	2451	2357	2573	4311	3376	2300
	71-77	2321	2614	2168	2681	2758	3051	3490
A-01-02 01	57-63	0	0	0	0	0	0	0
	64-70	651	651	651	599	545	515	538
	71-77	541	592	569	581	620	754	1103

TABLE A1 P U M P A G E PAGE 3

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
A-01-02 04	57-63	7	7	7	7	7	7	7
	64-70	7	7	615	815	50	0	1
	71-77	8	0	0	0	0	0	0
A-01-02 07	57-63	6623	6623	6623	6623	6623	6623	6623
	64-70	6623	6631	3537	6629	6629	6646	6658
	71-77	6623	6623	3530	6333	6684	6602	6871
A-01-02 08	57-63	4209	4209	4209	4209	4209	4209	4209
	64-70	4209	4209	2690	4209	4209	4209	4209
	71-77	4209	4209	2690	4234	5928	4394	4176
A-01-02 09	57-63	11071	11071	11071	11071	11071	11071	11071
	64-70	11073	11073	7445	11073	11073	11073	11073
	71-77	11075	11071	7443	11622	11860	10251	10627
A-01-02 10	57-63	3950	3950	3950	3950	3950	3950	3950
	64-70	3950	3950	1850	3950	3950	3950	3950
	71-77	3950	3950	2963	4048	4494	3459	3797
A-01-02 11	57-63	5743	5743	5743	5743	5743	5743	5743
	64-70	5743	5743	4238	5743	5743	5743	5743
	71-77	5743	5743	6031	10166	8798	8835	6913
A-01-02 12	57-63	7054	7054	7054	7054	7054	7054	7054
	64-70	7054	7054	3738	5311	5311	5311	5311
	71-77	5311	5311	3738	7947	6847	6798	6704
A-01-02 13	57-63	9099	14827	14827	14827	14827	14827	14827
	64-70	14827	14827	11396	14827	14827	14827	14827
	71-77	14827	14827	11396	15570	14263	15189	14284
A-01-02 14	57-63	15587	15587	15587	15587	15587	15587	15587
	64-70	15587	15587	10503	15587	15587	20570	20570
	71-77	20570	20570	13004	23023	21285	20097	17878
A-01-02 15	57-63	13218	13218	13218	13218	13218	13218	13218
	64-70	13218	13218	8550	11652	11652	11652	11652
	71-77	11652	11652	8550	13319	14501	13805	11248
A-01-02 16	57-63	4094	4094	4094	4094	4094	4094	4094
	64-70	7627	7627	6027	7627	7627	7627	7627
	71-77	7627	7627	6027	6406	7353	8562	8187
A-01-02 17	57-63	4703	4703	4703	4703	4703	4703	4703
	64-70	4703	4703	2409	4703	4703	4703	4703
	71-77	4703	4703	2409	6578	4190	4440	3605
A-01-02 18	57-63	8930	8930	9372	8649	9426	9078	9438
	64-70	9541	9530	5461	10718	8656	9233	10273
	71-77	10236	10429	5040	10201	10691	8913	8791
A-01-02 19	57-63	0	0	0	0	0	0	0
	64-70	198	198	260	519	337	223	271
	71-77	304	291	134	295	269	254	255
A-01-02 20	57-63	0	0	0	0	0	0	0
	64-70	666	666	1641	2906	1786	747	909
	71-77	1020	977	448	986	901	849	853
A-01-02 24	57-63	9376	9376	8778	9378	9974	10091	8431
	64-70	10116	9066	5308	8363	7940	8703	7697
	71-77	8432	6752	3793	8772	7754	5632	7243
A-01-02 26	57-63	0	0	0	0	0	0	0
	64-70	392	392	633	796	458	439	535
	71-77	599	574	263	580	529	500	501

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
A-01-02 27	57-63	14	28	32	34	30	36	44
	64-70	46	45	46	33	34	57	53
	71-77	54	40	28	11	0	0	0
A-01-02 28	57-63	0	0	0	0	0	0	0
	64-70	247	247	247	252	198	222	241
	71-77	247	260	219	259	306	307	311
A-01-02 29	57-63	0	0	0	0	0	0	0
	64-70	0	0	37	209	178	0	0
	71-77	0	0	0	0	0	0	0
A-01-02 31	57-63	2885	2885	3586	2864	3204	3032	3615
	64-70	4759	4895	5220	5248	5010	4933	4798
	71-77	5719	5213	4640	5021	5346	6436	5546
A-01-02 32	57-63	0	2738	2380	2603	2836	2761	2278
	64-70	3077	2617	4298	4146	3647	3281	3187
	71-77	3301	2660	2691	2636	2604	3076	2555
A-01-02 33	57-63	0	0	0	0	0	0	0
	64-70	434	434	776	819	528	389	423
	71-77	435	456	385	454	538	539	546
A-01-02 34	57-63	27	59	66	69	62	74	91
	64-70	121	119	135	127	131	109	67
	71-77	150	162	76	58	32	32	33
A-01-02 35	57-63	0	0	0	0	0	0	0
	64-70	942	942	942	1628	767	1057	1285
	71-77	1443	1381	634	1395	1275	1201	1206
A-01-03 01	57-63	566	566	480	378	564	579	512
	64-70	897	405	95	597	40	0	778
	71-77	872	625	0	599	776	781	741
A-01-03 02	57-63	1644	1644	2491	2070	2178	1871	2000
	64-70	2504	1306	390	2162	88	0	2405
	71-77	3066	2739	101	511	2901	944	2961
A-01-03 11	57-63	0	0	0	0	0	0	0
	64-70	44	44	44	31	23	0	0
	71-77	0	0	0	0	0	0	0
A-01-03 16	57-63	0	174	43	103	129	31	0
	64-70	15	4	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
A-01-03 18	57-63	0	3775	3775	3775	3775	3775	3775
	64-70	3775	3775	3374	3775	3775	3775	3775
	71-77	3775	3775	3374	4098	3658	3997	3348
A-01-03 25	57-63	0	0	0	0	0	0	0
	64-70	0	0	79	131	0	0	0
	71-77	0	0	0	0	0	0	0
A-01-03 28	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
A-01-04 01	57-63	3191	3191	3796	2791	3404	3043	2456
	64-70	2389	2738	2253	2227	6	1079	2235
	71-77	3339	2676	367	994	675	297	786
A-01-04 02	57-63	2482	2482	2575	1756	2186	1705	1401
	64-70	1743	864	299	1646	28	7	980
	71-77	1291	925	0	1019	607	714	1169

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
A-01-04 11	57-63	3557	3557	3424	1350	3539	3368	2964
	64-70	3157	1974	671	1218	111	125	1402
	71-77	2066	1279	558	1096	615	406	215
A-01-04 15	57-63	2	2	2	2	2	2	2
	64-70	2	2	2	2	1	1	2
	71-77	3	6	5	3	5	3	0
A-01-04 18	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	89	25	0	0
	71-77	0	0	0	0	0	0	0
A-01-04 19	57-63	607	607	476	337	562	293	300
	64-70	541	285	181	144	92	259	352
	71-77	453	465	5	258	311	293	110
A-01-04 22	57-63	78	78	78	78	78	78	78
	64-70	78	78	78	78	29	33	67
	71-77	93	183	148	91	163	118	123
A-01-04 23	57-63	120	120	120	120	120	120	120
	64-70	120	120	120	120	45	50	104
	71-77	144	284	229	140	253	239	173
A-01-04 24	57-63	1014	1014	2622	2105	2747	1498	1285
	64-70	2293	1954	1229	2180	674	878	1650
	71-77	2131	1362	252	169	522	445	666
A-01-04 27	57-63	90	90	90	894	30	471	715
	64-70	719	541	1591	217	161	2	105
	71-77	339	902	436	229	690	597	876
A-01-04 30	57-63	0	0	0	0	0	0	0
	64-70	15	15	38	51	38	17	21
	71-77	24	23	10	23	21	20	20
A-01-04 31	57-63	0	0	0	0	0	0	0
	64-70	0	0	68	108	0	0	0
	71-77	0	0	0	0	0	0	0
A-01-04 36	57-63	0	0	0	0	0	0	0
	64-70	0	0	27	137	56	0	0
	71-77	0	0	0	0	0	0	0
A-01-05 01	57-63	6832	6832	6016	6035	7710	6220	5785
	64-70	6688	3973	2420	5795	718	4318	5714
	71-77	7455	4999	182	5390	4528	4991	6372
A-01-05 02	57-63	14879	17745	21696	10619	21459	12727	12594
	64-70	18789	14131	5976	17671	1145	10223	17521
	71-77	20982	18298	147	15565	14855	15402	19419
A-01-05 03	57-63	4322	4322	4515	2057	3993	2778	3003
	64-70	3713	2455	984	3156	0	1763	3090
	71-77	3643	2830	0	2913	2617	2271	1421
A-01-05 04	57-63	3541	3571	3656	0	4878	3234	1894
	64-70	2564	2509	988	3102	0	2044	3692
	71-77	4508	3013	0	3460	2185	1267	859
A-01-05 05	57-63	0	0	0	0	0	0	0
	64-70	722	722	2183	2641	2428	648	704
	71-77	723	759	640	756	894	896	908
A-01-05 06	57-63	0	4598	3963	3465	4666	3743	3275
	64-70	0	0	0	0	1008	1039	0
	71-77	0	0	0	0	0	0	0

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
A-01-05 09	57-63	9489	9489	8677	8082	9347	7319	7124
	64-70	7331	5860	4989	7072	5828	6165	7695
	71-77	8259	6983	2867	5648	6507	6217	6825
A-01-05 10	57-63	3970	3970	3558	2525	3369	3572	3108
	64-70	3452	2580	1053	886	13	2025	2579
	71-77	2941	2432	0	2158	1324	1173	2788
A-01-05 11	57-63	3528	3528	3528	2941	3934	2565	3839
	64-70	3958	2763	2139	3386	502	2292	4184
	71-77	2034	4063	126	2019	1552	1751	2262
A-01-05 12	57-63	0	0	0	0	0	0	0
	64-70	0	0	330	805	483	0	0
	71-77	0	0	0	0	0	0	0
A-01-05 13	57-63	7608	7608	5965	4657	9137	5444	3924
	64-70	7201	4970	1498	6103	356	3685	5436
	71-77	8163	5520	307	4259	3526	2931	5065
A-01-05 14	57-63	4567	4567	4838	4394	5685	3418	4549
	64-70	3533	2041	2673	5392	2029	3695	4838
	71-77	6170	5298	2147	4866	5094	3312	5551
A-01-05 15	57-63	1702	1702	1702	1702	3514	4913	4561
	64-70	4743	4245	6068	6530	6957	6386	6831
	71-77	6492	5487	6527	6817	5338	4229	4090
A-01-05 16	57-63	2504	2504	3328	2429	3018	3253	2899
	64-70	2784	2123	1616	759	274	570	820
	71-77	843	872	1333	1069	1282	660	1019
A-01-05 17	57-63	6201	6201	5552	5413	8510	5763	1086
	64-70	6275	3190	2085	4474	218	3099	3729
	71-77	4086	4886	19	1158	1060	2948	1869
A-01-05 18	57-63	5395	5395	5401	4183	8129	3156	4015
	64-70	4248	2161	1243	3544	178	1745	3046
	71-77	3719	3196	121	2731	1943	1923	2387
A-01-05 19	57-63	3077	3077	3240	2830	3287	2397	2170
	64-70	2286	1819	936	2461	89	100	282
	71-77	2004	2529	453	1597	2234	1665	1754
A-01-05 21	57-63	1776	1776	1873	962	1226	1132	776
	64-70	1012	580	514	745	398	593	1949
	71-77	2769	3297	3321	3136	1972	668	364
A-01-05 22	57-63	6139	6139	6528	8034	7206	6215	6374
	64-70	7309	5462	4690	5010	3006	7636	7264
	71-77	6569	6077	4402	5973	6948	2600	3644
A-01-05 24	57-63	3820	3820	4133	3034	3878	2481	3292
	64-70	3587	2667	1464	4422	843	3102	4091
	71-77	4763	3360	1410	3343	3306	2880	4158
A-01-05 25	57-63	0	0	0	0	0	0	0
	64-70	0	0	862	1069	785	0	0
	71-77	0	0	0	0	0	0	0
A-01-05 26	57-63	433	433	662	354	565	493	644
	64-70	2235	2654	1360	1543	1987	1327	1722
	71-77	1894	1755	1207	1430	1369	758	867
A-01-05 27	57-63	2145	2145	1163	1053	5295	4766	5013
	64-70	5172	3353	1707	5433	702	2673	2465
	71-77	2187	4249	114	2892	4492	4055	5751

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
A-01-05 29	57-63	0	0	0	0	0	0	0
	64-70	0	0	928	488	421	0	0
	71-77	0	0	0	665	0	0	0
A-01-05 30	57-63	7023	7023	6199	5423	7385	5798	5135
	64-70	6417	4612	2577	5700	876	2656	3546
	71-77	4118	8010	1002	2619	8534	4853	5401
A-01-05 31	57-63	0	1412	1614	1588	2184	785	1217
	64-70	843	581	268	0	0	0	0
	71-77	0	0	0	0	0	0	0
A-01-05 32	57-63	0	0	0	0	0	0	0
	64-70	0	0	251	315	31	1037	1955
	71-77	1870	1585	217	992	1713	1845	2169
A-01-05 33	57-63	1777	1777	2102	536	3126	2531	1021
	64-70	3149	2124	1243	2251	741	1311	1699
	71-77	1824	1377	40	1032	1317	1391	705
A-01-05 34	57-63	3763	3763	3987	2455	4425	4169	4277
	64-70	4645	2188	1367	4020	63	1151	2026
	71-77	2794	3027	26	2266	2421	2858	4078
A-01-05 35	57-63	1308	1308	949	717	458	459	1745
	64-70	518	700	261	1177	167	369	838
	71-77	950	1201	97	1151	241	556	1643
A-01-05 36	57-63	0	0	0	0	0	0	0
	64-70	0	0	190	434	0	0	0
	71-77	0	0	0	0	0	0	0
A-01-06 03	57-63	40	40	40	40	40	40	40
	64-70	435	435	896	804	695	430	943
	71-77	512	520	515	494	706	801	603
A-01-06 04	57-63	5662	5662	5662	5662	5218	5791	6030
	64-70	6613	5547	7603	8111	7261	5769	6633
	71-77	6139	5318	3960	5946	4765	5712	8025
A-01-06 06	57-63	4269	4269	4144	3060	3623	2443	2415
	64-70	3048	1481	443	2050	331	1575	2293
	71-77	2608	1998	31	2446	1493	1841	2443
A-01-06 07	57-63	5183	5183	5442	3512	4962	3987	4152
	64-70	3352	3794	1219	3431	36	3846	5410
	71-77	7048	6359	3328	5696	6390	6224	5657
A-01-06 08	57-63	2989	2989	2893	1162	3452	2027	2054
	64-70	1687	1871	1398	2183	762	3170	2158
	71-77	2345	2440	837	1744	1859	2039	1626
A-01-06 09	57-63	2852	2852	2852	2852	2902	3212	2432
	64-70	3126	2719	2519	2621	2479	2782	3241
	71-77	2854	2109	1806	2117	1934	1577	1499
A-01-06 10	57-63	1830	1830	1830	1973	2584	3366	3469
	64-70	3768	3427	3390	3744	2942	3974	4842
	71-77	3165	4661	1826	4218	4140	3763	3654
A-01-06 11	57-63	0	0	0	0	0	0	0
	64-70	1236	1236	2395	2608	2207	1109	1205
	71-77	1237	1298	1095	1294	1530	1533	1553
A-01-06 14	57-63	0	0	0	0	0	0	0
	64-70	722	722	2241	3238	2877	648	704
	71-77	723	759	640	756	894	896	908

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
A-01-06 15	57-63	2563	2563	2563	2563	2409	2474	3032
	64-70	4872	4545	8556	9878	7439	4862	4955
	71-77	4920	4253	3490	4462	4862	2780	6084
A-01-06 16	57-63	0	1373	1373	1373	1608	1464	1600
	64-70	2269	2364	3134	3174	2711	1962	2036
	71-77	2007	3023	2430	3745	4409	4219	3622
A-01-06 17	57-63	3578	3578	3531	2346	3572	3104	2799
	64-70	1504	2466	1034	3197	371	2111	3065
	71-77	3751	1063	20	1513	627	251	536
A-01-06 21	57-63	7141	7141	6952	4726	7782	6951	6439
	64-70	4920	3417	912	4772	274	3572	5701
	71-77	6043	5029	203	3478	1967	3662	3223
A-01-06 22	57-63	4434	4434	4434	4434	5172	5628	5411
	64-70	5380	4395	5535	5895	4363	4264	5672
	71-77	5346	4501	4107	5642	6399	6636	7191
A-01-06 23	57-63	2544	2544	2544	2544	2906	2837	2410
	64-70	2385	2061	2477	2677	1902	2435	2786
	71-77	2817	2160	1472	2314	1050	3085	2987
A-01-06 24	57-63	59	59	59	59	59	59	96
	64-70	153	145	157	147	0	0	0
	71-77	0	0	0	0	0	0	0
A-01-06 25	57-63	0	0	0	0	0	0	0
	64-70	2511	2511	3716	4695	3938	2879	3007
	71-77	2687	2471	2549	3058	1592	2114	2069
A-01-06 26	57-63	2591	2591	2591	2591	2422	2619	2761
	64-70	4196	3687	4084	4996	4496	4638	4627
	71-77	4342	3802	2991	4733	4112	4353	4029
A-01-06 27	57-63	0	0	0	0	0	0	0
	64-70	0	0	2466	2711	1917	0	0
	71-77	0	0	0	0	0	0	0
A-01-06 28	57-63	4558	1736	1968	1647	2374	1420	1116
	64-70	457	1718	512	1905	117	1320	2094
	71-77	2683	1986	57	1378	1080	1313	2176
A-01-06 30	57-63	1478	1478	1888	1320	2035	1384	1044
	64-70	2231	1940	287	1438	90	1405	1321
	71-77	1226	1262	32	906	624	597	1080
A-01-06 31	57-63	0	0	0	0	0	0	0
	64-70	0	0	98	463	319	0	0
	71-77	0	0	0	0	0	0	0
A-01-06 32	57-63	3491	3491	3505	1966	3813	2823	2426
	64-70	6529	5036	4447	12157	1419	4542	5959
	71-77	7454	6099	838	5609	4997	4946	5314
A-01-06 33	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	33	1988	90	1886	620	1241	2135
A-01-06 34	57-63	2617	2617	2253	2112	3355	2639	2589
	64-70	2869	1707	592	2259	600	1269	2349
	71-77	3055	2962	101	1812	1397	2117	2741
A-01-06 35	57-63	1917	1917	4358	4358	5129	4803	4110
	64-70	4254	3602	4219	4579	3900	4176	4366
	71-77	4585	4604	3457	4410	4958	4820	4646

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-01-06 36	57-63	2458	2458	2458	2458	3030	2705	2796
	64-70	4276	3400	4899	6814	4816	4112	5190
	71-77	4964	4513	3862	5365	4031	3863	3459
A-01-07 22	57-63	0	0	0	0	0	0	462
	64-70	650	627	635	640	698	841	517
	71-77	453	752	808	451	120	45	59
A-01-07 23	57-63	8	8	8	8	8	8	8
	64-70	8	8	4	11	8	8	8
	71-77	8	8	8	8	8	8	8
A-01-07 26	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	64	192	285	371	323	394	1103
A-01-07 27	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	8	180	380	787	139	142	1553
A-01-07 28	57-63	109	109	109	109	109	109	109
	64-70	109	109	109	109	109	109	109
	71-77	109	109	109	73	245	81	35
A-01-07 29	57-63	14	14	14	14	14	23	29
	64-70	3	14	739	88	185	1	11
	71-77	14	14	14	14	14	14	14
A-01-07 30	57-63	818	818	818	818	818	818	818
	64-70	818	818	818	818	981	573	749
	71-77	742	300	118	249	329	0	0
A-01-07 33	57-63	0	0	0	0	0	0	0
	64-70	1426	1426	2396	2615	2456	1635	1708
	71-77	1526	1404	1448	1737	904	1201	1175
A-01-07 34	57-63	0	0	0	0	0	0	0
	64-70	1856	1856	3084	3348	2943	2128	2223
	71-77	1986	1827	1884	2261	1176	1563	1529
A-01-08 30	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	217	609	644	590	735	922	205
A-01-08 31	57-63	0	0	0	0	0	0	0
	64-70	113	113	567	385	172	101	110
	71-77	113	118	100	118	139	140	142
A-02-01 01	57-63	2112	2112	2280	1844	2576	1539	1859
	64-70	1888	1032	767	1566	460	525	1425
	71-77	1424	253	87	1495	2040	540	2170
A-02-01 02	57-63	0	1015	894	0	883	855	656
	64-70	927	545	367	789	761	858	1001
	71-77	983	800	740	1004	1102	991	1044
A-02-01 04	57-63	1436	1436	1436	1436	1436	1436	1436
	64-70	1436	1436	1469	1436	1436	1436	1436
	71-77	1436	1436	1448	1577	1167	1748	1251
A-02-01 05	57-63	0	0	0	0	0	0	0
	64-70	1329	1329	1329	1524	1712	1619	1606
	71-77	989	1205	1251	1341	1630	1293	1409
A-02-01 06	57-63	0	0	0	0	0	0	0
	64-70	273	273	273	310	115	0	0
	71-77	0	436	372	443	276	470	448

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-02-01 07	57-63	0	0	0	0	0	0	0
	64-70	1291	1291	1291	1403	1043	782	1284
	71-77	1052	1231	1043	1065	1498	867	1174
A-02-01 08	57-63	1832	1832	2302	1566	2106	1986	1882
	64-70	1779	1890	1995	2583	1911	2090	2118
	71-77	2303	1970	1355	1766	2276	2037	2801
A-02-01 09	57-63	2771	2771	2812	2601	2697	2364	2454
	64-70	2376	2073	1798	2481	2465	2545	2487
	71-77	2819	2582	1437	3021	2676	3102	2585
A-02-01 11	57-63	336	336	90	0	2493	1705	1644
	64-70	2308	1284	477	1899	240	624	1231
	71-77	1563	1168	680	703	1061	732	959
A-02-01 12	57-63	3293	828	707	3317	821	598	676
	64-70	634	165	240	437	179	773	449
	71-77	472	404	12	447	661	307	101
A-02-01 13	57-63	0	2465	2073	0	2342	1792	1927
	64-70	1903	1196	1438	2545	1568	821	1033
	71-77	1492	820	303	1615	1943	1822	1599
A-02-01 14	57-63	5786	5786	6270	5477	6702	4888	5758
	64-70	6929	3878	2227	5554	1940	3253	5192
	71-77	5339	4711	900	4136	5055	4235	4795
A-02-01 15	57-63	3329	3329	3421	2616	3841	2808	3101
	64-70	3391	2144	1274	3030	1189	1770	2233
	71-77	3334	2345	463	835	1404	2109	3317
A-02-01 17	57-63	2396	2396	2490	2208	2595	2307	2356
	64-70	2437	2355	3034	5597	3028	2334	2702
	71-77	2970	2684	1024	2238	2562	2488	3234
A-02-01 18	57-63	0	0	0	0	0	0	0
	64-70	436	436	436	1011	355	489	595
	71-77	667	639	293	645	590	555	558
A-02-01 20	57-63	9053	9053	8247	8229	9247	8146	8743
	64-70	8670	7662	4920	8703	5636	5857	8238
	71-77	9329	8562	3518	7030	8297	7689	8805
A-02-01 21	57-63	1260	1260	1202	181	0	0	0
	64-70	1193	908	379	1242	240	471	1032
	71-77	1383	998	31	671	1153	1043	1325
A-02-01 23	57-63	3226	3226	3583	3703	3959	2791	3125
	64-70	2998	2278	1175	2920	275	1806	2291
	71-77	2924	2517	201	1682	1621	2494	1901
A-02-01 24	57-63	2555	2555	2566	2120	2619	2656	2187
	64-70	2620	2111	1210	2464	973	1115	2891
	71-77	3025	2268	411	1841	2488	2052	1847
A-02-01 25	57-63	0	0	0	0	10	12	16
	64-70	17	16	16	12	48	1406	1277
	71-77	1442	1807	1167	2334	1618	2725	1290
A-02-01 26	57-63	1271	1271	3089	2527	3227	2129	2688
	64-70	2774	2032	737	2229	229	1728	2464
	71-77	3388	2237	0	1724	1952	2050	2537
A-02-01 27	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	0	399

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-02-01 28	57-63	1803	1803	1741	1067	2023	1568	1633
	64-70	1370	738	445	1483	290	774	1408
	71-77	1409	1064	54	778	1067	0	0
A-02-01 29	57-63	2843	2843	2847	2656	3229	2730	2847
	64-70	3849	3498	3547	5648	3114	3385	4485
	71-77	4791	4628	2380	4290	4288	3682	4948
A-02-01 30	57-63	5986	5986	6026	5508	6312	5484	5611
	64-70	5001	5326	5337	6712	4058	4495	5662
	71-77	5939	5836	4220	5587	4523	4802	4924
A-02-01 31	57-63	0	0	0	0	0	0	0
	64-70	415	415	415	717	338	466	566
	71-77	636	609	279	615	562	529	531
A-02-01 32	57-63	1734	1734	1734	1734	1734	1734	1734
	64-70	1734	1734	1389	1813	1803	1734	1734
	71-77	1734	1734	1353	1980	1682	1633	1639
A-02-01 33	57-63	5778	5778	5778	5778	5778	5778	5778
	64-70	5888	5888	4522	5968	5867	5901	5928
	71-77	5946	5939	4486	6641	6251	4895	5915
A-02-01 34	57-63	2821	2821	2821	2821	2821	2821	2821
	64-70	3054	3054	2093	3351	3113	3030	3049
	71-77	3055	3066	2067	3736	2295	3408	2960
A-02-01 35	57-63	1663	1663	2273	1437	3024	2451	2614
	64-70	2063	2553	1572	3002	1344	1780	2726
	71-77	3695	3705	471	1782	2517	2338	3247
A-02-01 36	57-63	2797	2797	3527	2516	3659	2944	3682
	64-70	3892	2935	1294	3810	1032	2363	3181
	71-77	3860	3036	35	2019	3176	3060	3375
A-02-02 01	57-63	474	1390	1574	1646	1475	1756	2193
	64-70	2244	2215	2245	1627	1681	1940	2132
	71-77	2590	2011	850	1932	1600	1420	1139
A-02-02 02	57-63	221	479	543	568	509	606	746
	64-70	774	764	774	561	580	518	487
	71-77	609	737	253	595	528	442	453
A-02-02 03	57-63	0	859	552	284	317	373	312
	64-70	247	217	137	209	37	137	224
	71-77	210	216	3	512	614	452	109
A-02-02 04	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	871	931	882	1166
A-02-02 05	57-63	406	406	406	406	390	400	230
	64-70	227	237	289	362	290	283	203
	71-77	128	113	195	199	183	166	231
A-02-02 06	57-63	1180	1180	1180	1180	920	1144	1166
	64-70	471	285	521	406	436	378	539
	71-77	341	300	420	637	904	582	789
A-02-02 08	57-63	1302	1302	1302	1302	1277	959	711
	64-70	783	520	849	738	482	591	472
	71-77	298	262	537	635	537	487	635
A-02-02 09	57-63	2395	2395	2335	2028	2009	1751	1500
	64-70	2232	1645	1884	1905	1195	1312	1201
	71-77	901	556	594	1408	1583	1493	2021

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-02-02 12	57-63	176	176	562	54	1086	76	76
	64-70	248	240	26	178	0	0	0
	71-77	0	0	0	0	0	0	0
A-02-02 13	57-63	0	0	10	67	215	18	10
	64-70	62	105	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
A-02-02 14	57-63	862	1099	1074	1323	1609	1268	1735
	64-70	1710	1665	1128	1370	819	455	810
	71-77	749	476	110	1094	938	811	874
A-02-02 15	57-63	0	0	298	312	279	332	409
	64-70	425	419	425	308	317	271	85
	71-77	150	279	89	200	141	144	163
A-02-02 16	57-63	0	202	229	240	215	256	315
	64-70	558	876	722	412	389	459	498
	71-77	540	89	413	803	817	634	756
A-02-02 17	57-63	778	778	783	318	289	150	1608
	64-70	2228	2378	2254	2856	2718	2382	2773
	71-77	2526	2245	2262	1941	2388	2209	2647
A-02-02 18	57-63	309	309	636	289	594	299	378
	64-70	259	155	45	279	90	215	297
	71-77	1054	279	21	13	225	632	999
A-02-02 19	57-63	1545	1545	1511	1257	1783	1635	1724
	64-70	1227	598	452	875	475	594	1005
	71-77	1130	976	59	854	1108	781	584
A-02-02 20	57-63	2517	3218	3453	2967	3390	3020	3884
	64-70	3930	3602	4446	3135	3183	4330	3023
	71-77	3227	2979	1815	3025	1258	1054	1431
A-02-02 21	57-63	96	208	236	247	221	263	324
	64-70	337	332	337	244	253	237	228
	71-77	165	157	59	72	0	0	0
A-02-02 22	57-63	130	283	321	336	301	358	441
	64-70	457	451	457	331	344	188	178
	71-77	364	286	101	265	221	217	233
A-02-02 24	57-63	523	523	464	384	599	280	4
	64-70	210	91	48	89	0	66	247
	71-77	212	190	0	188	40	0	0
A-02-02 25	57-63	1275	1275	1209	1028	1393	1098	1122
	64-70	1061	602	375	1014	22	294	4210
	71-77	966	948	2	636	947	817	1162
A-02-02 26	57-63	3694	3694	3738	3460	3781	3297	3749
	64-70	4043	2609	1342	3704	792	2317	2892
	71-77	3565	2589	112	2659	2844	2352	3581
A-02-02 27	57-63	3761	4249	4081	3502	4038	3438	3919
	64-70	3647	3034	2333	4358	1648	1888	2843
	71-77	3560	3203	272	2988	3196	3398	3710
A-02-02 28	57-63	2495	3079	3590	3063	3232	3445	4002
	64-70	3890	3838	2900	3266	1720	2142	2275
	71-77	3096	3275	599	1142	1515	658	632
A-02-02 29	57-63	5243	5243	5299	3895	5010	4042	3691
	64-70	4437	3311	1519	4031	1570	2175	4241
	71-77	4418	3641	204	3221	3854	4033	4290

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-02-02 30	57-63	0	2235	2531	3465	3105	3697	4553
	64-70	4725	4662	4725	3423	3540	2712	2596
	71-77	4478	4141	2084	3069	2144	1637	1860
A-02-02 31	57-63	2984	2984	2703	3258	3016	2178	2711
	64-70	2443	2032	743	2561	585	992	2499
	71-77	3270	2367	111	1533	2252	1983	2433
A-02-02 32	57-63	2391	2391	2294	1803	2655	2013	2359
	64-70	1827	1769	600	2034	1039	2122	2569
	71-77	2749	3619	1212	2682	2735	2588	3269
A-02-02 34	57-63	220	477	540	566	507	603	743
	64-70	771	761	271	559	578	367	355
	71-77	335	375	145	343	283	341	403
A-02-02 35	57-63	86	186	210	220	197	235	289
	64-70	300	296	300	218	2	250	159
	71-77	323	429	126	337	239	237	218
A-02-03 04	57-63	2	4	4	5	4	5	6
	64-70	6	6	6	4	5	1	0
	71-77	0	0	0	0	0	0	0
A-02-03 05	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
A-02-03 07	57-63	344	1070	1245	860	1549	1045	1793
	64-70	1352	1492	1220	1362	882	1633	1311
	71-77	1942	1833	373	1255	1130	1452	1368
A-02-03 08	57-63	267	818	925	968	1597	3774	3327
	64-70	3993	3036	1675	3061	1011	692	2800
	71-77	3283	2633	458	2137	2445	2401	2257
A-02-03 09	57-63	204	443	502	525	470	560	690
	64-70	716	706	716	518	537	508	608
	71-77	732	543	234	1214	997	1056	986
A-02-03 16	57-63	431	827	540	454	569	771	714
	64-70	714	332	65	878	2	489	633
	71-77	737	186	0	801	241	0	0
A-02-03 17	57-63	356	423	295	222	370	309	331
	64-70	374	956	394	1273	140	0	1027
	71-77	2779	2416	258	2061	1917	1238	2607
A-02-03 18	57-63	0	148	371	114	356	179	0
	64-70	298	78	4	0	0	554	269
	71-77	238	400	0	540	36	700	548
A-02-03 19	57-63	432	939	1063	1112	996	1186	1461
	64-70	1515	1496	1516	1098	1135	794	851
	71-77	1031	1041	450	1054	1072	1310	607
A-02-03 20	57-63	483	774	545	121	175	106	171
	64-70	136	172	22	52	0	612	816
	71-77	212	1269	0	1246	1379	1719	1618
A-02-03 21	57-63	81	277	62	30	369	25	55
	64-70	453	433	51	562	0	722	1188
	71-77	1019	527	3	1010	403	956	421
A-02-03 22	57-63	632	632	543	324	532	15	51
	64-70	963	486	67	764	26	515	370
	71-77	890	616	0	698	759	838	776

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
A-02-03 24	57-63	948	948	966	563	519	605	1424
	64-70	1802	862	247	1279	4	592	1064
	71-77	1576	1082	13	2	1122	1302	1510
A-02-03 25	57-63	1403	1403	651	524	1179	1343	1274
	64-70	2090	1710	576	3332	451	1488	2087
	71-77	3737	2830	45	2656	3263	3034	2463
A-02-03 27	57-63	456	456	256	199	372	7	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
A-02-03 28	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	156	146
	71-77	409	423	293	615	506	366	374
A-02-03 31	57-63	0	0	0	0	0	0	0
	64-70	972	972	972	995	999	1076	1020
	71-77	1000	850	913	950	1007	1025	893
A-02-03 33	57-63	0	0	0	0	0	0	0
	64-70	0	0	38	38	37	39	38
	71-77	38	35	30	100	143	130	115
A-02-03 35	57-63	0	1363	1917	1791	1703	1294	1574
	64-70	1731	756	362	1750	12	1051	1215
	71-77	1464	998	28	1228	937	884	1177
A-02-03 36	57-63	983	1460	556	765	761	756	923
	64-70	1055	570	519	783	8	228	323
	71-77	665	1752	26	1572	2138	2042	1477
A-02-04 01	57-63	66	66	66	66	66	66	307
	64-70	307	307	307	307	307	307	307
	71-77	307	307	967	2124	2144	1849	2475
A-02-04 02	57-63	0	0	0	0	0	0	0
	64-70	343	343	343	379	276	275	149
	71-77	945	770	1619	1165	1138	1539	1412
A-02-04 03	57-63	0	0	0	0	0	0	0
	64-70	359	359	359	406	361	373	401
	71-77	421	403	413	412	401	395	357
A-02-04 10	57-63	0	0	0	0	0	0	0
	64-70	53	53	53	111	70	37	77
	71-77	219	91	0	0	0	108	49
A-02-04 11	57-63	559	4092	4640	3098	3516	2418	3903
	64-70	6032	4018	1775	4740	763	3708	4713
	71-77	5406	4072	114	2677	2343	3518	4936
A-02-04 12	57-63	5302	5302	5178	5226	5606	3392	4742
	64-70	5975	3774	1695	5325	1117	3244	4535
	71-77	5993	3781	3954	5391	5275	5131	5695
A-02-04 13	57-63	1450	1450	1171	751	477	829	1087
	64-70	3204	1843	1418	3320	1189	1778	3612
	71-77	1428	1115	751	1127	1139	1351	729
A-02-04 14	57-63	2312	2312	3489	2685	2936	2660	2568
	64-70	2813	2269	1573	2711	1202	2343	2606
	71-77	3035	2633	792	760	767	893	406
A-02-04 15	57-63	145	116	117	109	115	93	107
	64-70	119	107	607	444	350	181	223
	71-77	249	175	200	200	353	137	137

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
A-02-04 19	57-63	0	183	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	653	28	630	733	892	817
A-02-04 22	57-63	1470	1470	1508	1771	1896	1581	1643
	64-70	7321	6412	11043	14011	10941	5440	6195
	71-77	7003	6694	4647	6329	7075	7538	7475
A-02-04 23	57-63	2196	2527	5059	4054	5178	4855	4669
	64-70	4621	3009	2743	4214	3569	4701	4357
	71-77	4827	4252	2354	2642	3275	3742	4453
A-02-04 24	57-63	1777	1777	1484	1055	2100	2201	2211
	64-70	3946	2647	3330	5018	3407	1269	2539
	71-77	2552	2038	205	1205	690	154	1063
A-02-04 25	57-63	4988	7844	10493	10288	11143	11252	11334
	64-70	11580	11042	10226	14548	5265	10598	12951
	71-77	16695	16775	15370	15535	15286	15209	14973
A-02-04 27	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	642	1137	1066
	71-77	1077	747	4	0	0	943	2562
A-02-04 30	57-63	1373	1373	1187	1201	1511	1467	1521
	64-70	1934	694	158	1505	261	715	959
	71-77	881	1184	18	1089	1646	1150	1285
A-02-04 35	57-63	4144	6134	7520	6397	5344	6382	7031
	64-70	6510	6152	4930	6418	5005	5718	7265
	71-77	8043	5495	4631	4050	5539	5497	6214
A-02-05 07	57-63	0	0	0	0	0	0	0
	64-70	1257	1257	2000	2620	2341	1127	1226
	71-77	1259	1321	1114	1316	1556	1559	1580
A-02-05 09	57-63	0	0	0	0	0	0	0
	64-70	3733	3733	3733	3799	2998	3349	3642
	71-77	3739	3922	3310	3909	4620	4632	4692
A-02-05 10	57-63	0	0	0	0	0	0	0
	64-70	2829	2829	2829	2880	2272	2538	2760
	71-77	2833	2973	2508	2963	3503	3511	3556
A-02-05 11	57-63	0	0	0	0	0	0	0
	64-70	2797	2797	2797	2847	2245	2510	2729
	71-77	2801	2939	2480	2930	3462	3470	3516
A-02-05 14	57-63	0	0	0	0	0	0	0
	64-70	1130	1130	1130	1150	908	1014	1103
	71-77	1132	1188	1002	1184	1399	1402	1421
A-02-05 15	57-63	0	0	0	0	0	0	0
	64-70	3344	3344	6504	6698	6243	3001	3263
	71-77	3350	3515	2965	3504	4140	4150	4205
A-02-05 16	57-63	0	0	0	0	0	0	0
	64-70	5651	5651	7081	7732	6828	5070	5513
	71-77	5659	5938	5010	5919	6995	7011	7103
A-02-05 17	57-63	0	0	0	0	0	0	0
	64-70	1948	1948	2591	4056	3556	1748	1900
	71-77	1951	2047	1727	2040	2411	2417	2449
A-02-05 19	57-63	0	0	0	0	0	0	0
	64-70	0	0	1559	1628	1456	0	0
	71-77	0	0	0	0	0	0	0

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-02-05 22	57-63	0	0	0	0	0	0	0
	64-70	562	562	562	571	451	504	548
	71-77	562	590	498	588	695	697	706
A-02-05 23	57-63	0	0	0	0	0	0	0
	64-70	2440	2440	2440	2482	1959	2189	2380
	71-77	2444	2564	2163	2555	3020	3027	3067
A-02-05 30	57-63	0	0	0	0	0	0	0
	64-70	955	955	1304	1483	1319	857	932
	71-77	957	1004	847	1001	1183	1185	1201
A-02-05 36	57-63	0	0	0	0	0	0	0
	64-70	162	162	162	165	130	145	158
	71-77	162	170	144	170	201	201	204
A-02-06 27	57-63	6492	6492	6750	4842	6395	4874	4263
	64-70	4614	4076	1497	5147	404	3275	5127
	71-77	6144	3237	16	4966	1626	3023	2886
A-02-06 28	57-63	0	2822	2968	2065	2776	2029	1794
	64-70	3143	1933	825	1651	424	2094	3271
	71-77	4205	3348	15	3476	1917	2631	2244
A-02-06 31	57-63	2766	2766	3825	4227	3748	3517	4212
	64-70	3918	2340	742	1853	570	1770	1898
	71-77	2515	2155	379	2486	1990	1881	2625
A-02-06 32	57-63	3492	3492	3615	2732	3665	2477	2573
	64-70	2963	1657	943	2377	366	1574	2229
	71-77	2417	2014	40	1590	1489	1810	1330
A-02-06 33	57-63	15983	15983	15630	14821	17158	15957	15665
	64-70	16916	14280	12246	15679	10165	14199	15938
	71-77	16560	20514	13843	26605	31480	29544	27112
A-02-06 34	57-63	0	0	0	0	0	0	0
	64-70	560	560	969	872	817	502	546
	71-77	561	588	496	586	693	695	704
A-03-01 01	57-63	1670	1670	1583	1548	1811	1696	1480
	64-70	1900	1269	989	1577	1842	2554	2305
	71-77	2208	1778	2200	2256	2052	2854	3167
A-03-01 02	57-63	0	0	0	0	0	0	0
	64-70	1161	1161	1668	1824	1697	1713	1378
	71-77	1283	1244	1141	1461	1262	1093	1166
A-03-01 03	57-63	0	0	0	0	0	0	0
	64-70	3434	3434	3434	3790	3923	3951	3274
	71-77	2987	3058	2781	3414	3730	3232	3448
A-03-01 04	57-63	1771	1771	1771	1771	1771	1771	1771
	64-70	1771	1771	1771	1771	1771	1771	1771
	71-77	1771	1771	1771	1658	1870	1380	2067
A-03-01 05	57-63	402	402	402	402	402	402	402
	64-70	402	402	402	402	402	402	402
	71-77	402	402	402	869	1298	437	776
A-03-01 06	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	1215	1462	1665	1591	1588
A-03-01 07	57-63	1006	1006	1006	1006	1006	1006	1006
	64-70	1006	1006	1006	1006	1006	1006	2541
	71-77	2758	3194	3258	2613	2066	2600	2043

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-03-01 08	57-63	692	692	692	692	692	692	692
	64-70	692	692	692	692	692	692	692
	71-77	692	420	884	1308	1181	96	262
A-03-01 09	57-63	732	732	732	732	732	732	732
	64-70	1441	1441	1441	1515	1542	1548	1408
	71-77	1349	635	2159	1474	2890	2676	2554
A-03-01 11	57-63	1180	1180	739	340	727	1175	915
	64-70	905	302	140	758	331	737	456
	71-77	695	272	72	242	405	283	811
A-03-01 12	57-63	856	856	976	870	992	867	697
	64-70	849	615	675	570	890	2780	1711
	71-77	3086	3144	3144	2691	2973	2287	2426
A-03-01 13	57-63	1649	1649	1076	1802	2674	2408	2302
	64-70	2310	1574	1057	2485	621	1260	3248
	71-77	4616	1996	50	1342	1443	1218	1525
A-03-01 16	57-63	1485	0	0	404	0	7	0
	64-70	758	758	758	837	866	872	723
	71-77	660	675	614	754	824	714	1568
A-03-01 17	57-63	661	661	661	661	661	661	661
	64-70	661	661	661	661	661	661	661
	71-77	661	333	1559	1700	1202	1336	2379
A-03-01 18	57-63	724	724	724	724	724	724	724
	64-70	724	724	1557	1560	1610	1490	1664
	71-77	1740	2267	1924	2149	1638	1915	1407
A-03-01 19	57-63	704	704	704	704	704	704	704
	64-70	704	704	1189	1198	1316	1294	1362
	71-77	1432	1280	1385	1408	1143	1143	870
A-03-01 20	57-63	0	0	0	0	0	0	0
	64-70	1442	1442	679	746	784	626	641
	71-77	1618	1217	1179	833	209	658	650
A-03-01 21	57-63	1266	1266	1174	653	1366	988	1392
	64-70	1088	873	103	954	171	486	735
	71-77	936	455	15	5	49	63	1058
A-03-01 22	57-63	0	0	0	0	0	0	0
	64-70	163	163	163	83	123	101	83
	71-77	72	46	64	76	88	38	19
A-03-01 24	57-63	0	1812	1435	213	2850	380	2949
	64-70	2992	2901	2613	2737	3114	3503	3330
	71-77	3073	3334	3345	3012	2775	2492	2548
A-03-01 26	57-63	1308	1308	2482	2077	3607	3606	2300
	64-70	1691	1542	561	1381	892	3306	3435
	71-77	4445	3609	2827	2750	3220	3425	2964
A-03-01 27	57-63	359	359	319	164	780	579	393
	64-70	376	130	121	430	90	171	309
	71-77	452	279	54	117	427	208	643
A-03-01 29	57-63	0	0	0	0	0	0	0
	64-70	1104	1104	1104	1182	964	783	922
	71-77	1028	985	985	1011	1053	723	771
A-03-01 30	57-63	508	508	508	508	508	508	508
	64-70	508	508	508	508	566	648	592
	71-77	733	713	794	669	655	653	866

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
A-03-01 31	57-63	0	0	0	0	0	0	0
	64-70	4421	4421	3614	5633	2189	2986	2738
	71-77	1667	1707	1552	1905	2082	1804	1924
A-03-01 32	57-63	0	0	0	0	0	0	0
	64-70	787	787	787	869	899	905	750
	71-77	684	701	637	782	855	740	790
A-03-01 33	57-63	0	810	813	0	931	838	707
	64-70	638	341	308	1656	777	1094	522
	71-77	677	366	82	214	706	323	929
A-03-01 34	57-63	17	17	17	17	17	17	17
	64-70	17	17	17	17	17	17	17
	71-77	17	17	17	17	17	17	17
A-03-01 35	57-63	6832	5123	5964	4637	5481	5683	4446
	64-70	4452	2573	2296	3862	2546	4954	5763
	71-77	6466	4321	2388	3049	3843	4034	5225
A-03-01 36	57-63	0	1709	1679	1540	1691	1621	1631
	64-70	1504	876	707	1398	217	660	1318
	71-77	1458	1357	25	1239	1375	1687	1724
A-03-02 01	57-63	0	0	0	0	0	0	0
	64-70	243	243	243	343	348	416	458
	71-77	346	207	235	232	257	251	318
A-03-02 02	57-63	0	0	0	0	0	0	0
	64-70	442	442	442	383	420	0	0
	71-77	0	0	0	0	0	0	0
A-03-02 03	57-63	0	0	0	0	0	667	822
	64-70	1491	1479	1491	1470	1207	1425	1521
	71-77	11859	242	231	799	517	1423	1230
A-03-02 04	57-63	0	0	0	0	0	0	0
	64-70	2052	2052	2052	1981	1720	1165	807
	71-77	1244	1174	1027	1198	1437	1842	1532
A-03-02 05	57-63	537	537	537	537	537	537	537
	64-70	1505	1505	968	1072	986	1196	978
	71-77	1379	1197	692	718	1078	854	1069
A-03-02 06	57-63	0	0	0	0	0	0	0
	64-70	2567	2567	2567	2323	2216	2796	2800
	71-77	2751	2202	1320	762	1265	1548	307
A-03-02 07	57-63	1084	1084	880	1322	1878	1773	1782
	64-70	3034	2570	1963	2767	743	2212	2796
	71-77	3428	2719	947	1166	1081	1061	1179
A-03-02 08	57-63	1670	1670	1670	1670	1670	1670	1670
	64-70	1971	1971	1971	2135	1988	3063	2885
	71-77	1670	1670	1670	904	704	320	1157
A-03-02 09	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	1399	1590
	71-77	1456	1322	1275	2070	1039	1695	2212
A-03-02 10	57-63	0	0	0	0	0	0	0
	64-70	2468	2468	2468	2607	2425	2145	2163
	71-77	884	2251	2113	2771	2264	2720	2795
A-03-02 11	57-63	0	554	627	657	588	700	863
	64-70	2279	2267	1146	649	677	816	927
	71-77	848	769	555	1037	1146	1542	2462

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-03-02 13	57-63	0	0	0	0	0	0	0
	64-70	2097	2097	2097	2415	2611	1919	2611
	71-77	1068	840	321	31	0	0	951
A-03-02 14	57-63	0	0	0	486	436	519	639
	64-70	663	654	663	481	502	604	687
	71-77	818	949	293	783	530	683	537
A-03-02 15	57-63	0	0	0	0	0	0	0
	64-70	0	538	546	672	702	845	961
	71-77	1946	2139	1656	2264	1471	2229	2714
A-03-02 16	57-63	1107	16	25	134	35	55	146
	64-70	84	110	656	1255	639	531	227
	71-77	29	37	21	627	881	881	881
A-03-02 17	57-63	2746	2746	2826	2221	3211	2655	2643
	64-70	2338	1862	2235	2292	2002	1020	1562
	71-77	3778	3059	1986	1660	2946	3506	2777
A-03-02 18	57-63	0	0	0	0	0	0	0
	64-70	1056	891	981	1041	377	601	567
	71-77	747	693	45	234	1007	912	1970
A-03-02 19	57-63	1256	1256	1149	770	734	1026	1304
	64-70	1541	842	544	1018	350	825	1345
	71-77	1526	1088	29	905	904	865	669
A-03-02 20	57-63	1077	1663	1705	991	1159	754	1050
	64-70	1683	714	592	1244	147	1213	1239
	71-77	1203	1050	707	884	1042	762	197
A-03-02 21	57-63	1353	1353	1300	1191	1854	1703	1853
	64-70	1866	1208	425	2336	1628	1280	2751
	71-77	1898	1124	109	1143	475	755	983
A-03-02 22	57-63	0	0	0	0	0	0	0
	64-70	474	474	474	583	478	234	306
	71-77	191	816	879	1225	785	1190	1273
A-03-02 23	57-63	0	0	0	0	771	918	1130
	64-70	3707	3691	3707	2096	1694	1687	1215
	71-77	971	727	527	1406	1266	1637	1692
A-03-02 24	57-63	357	1044	1204	1261	1129	1345	1656
	64-70	3357	3335	3358	3670	4666	3793	5289
	71-77	3016	2143	1261	2208	2183	1529	1358
A-03-02 25	57-63	2300	2388	2300	1389	2337	1975	2167
	64-70	2705	2488	1753	2658	1055	1101	2779
	71-77	1278	1559	297	1001	694	587	2783
A-03-02 26	57-63	0	2724	3036	3089	3444	2860	2571
	64-70	2414	1449	3244	3729	4883	10021	5276
	71-77	10038	10035	5899	7463	5723	9320	6974
A-03-02 27	57-63	2189	2189	1586	1631	1961	1409	2107
	64-70	669	759	1375	2147	1165	703	943
	71-77	1715	1318	485	684	351	223	1386
A-03-02 29	57-63	2592	2592	2626	1996	2271	2353	2693
	64-70	2143	1252	817	1574	60	918	594
	71-77	1603	1248	36	918	983	1732	1882
A-03-02 30	57-63	1949	1949	1953	1505	1811	1976	906
	64-70	3094	1726	519	2499	577	1598	2216
	71-77	3241	4147	1547	3286	3762	3761	3946

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-03-02 31	57-63	1722	1722	1741	1148	1544	1317	1467
	64-70	1467	987	645	1360	476	916	1102
	71-77	1202	740	599	780	1257	1294	1568
A-03-02 32	57-63	2072	2072	1465	1734	1584	1664	1245
	64-70	1637	1533	879	1473	529	848	1369
	71-77	1729	999	55	1503	1503	1549	1801
A-03-02 33	57-63	1687	1687	1348	1196	1194	1147	1175
	64-70	2728	2450	1721	1258	705	39	727
	71-77	1015	175	2	615	821	862	131
A-03-02 34	57-63	0	825	934	978	876	1043	1285
	64-70	1333	1315	1333	966	999	913	1154
	71-77	1399	1581	302	1367	982	1088	831
A-03-02 36	57-63	138	299	339	355	318	378	466
	64-70	484	477	484	350	363	260	329
	71-77	466	19	67	266	309	374	317
A-03-03 01	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	128	126	142	136	141
A-03-03 13	57-63	0	0	0	309	277	330	406
	64-70	422	416	422	305	804	940	854
	71-77	1301	1490	857	1213	651	758	837
A-03-03 32	57-63	0	0	0	1095	91	1168	1439
	64-70	1493	1473	1611	1082	1120	1308	1112
	71-77	1239	864	159	614	409	645	566
A-03-04 01	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
A-03-04 05	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	422	761	476	145
A-03-04 06	57-63	407	885	1001	1048	938	1118	1376
	64-70	1427	1409	1428	1035	1071	1033	809
	71-77	1179	1069	506	666	1058	1288	1585
A-03-04 09	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	500
	71-77	500	500	500	0	381	557	359
A-03-04 11	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	23	56	52	461	639	759	810
A-03-04 16	57-63	200	200	200	882	1638	1417	3097
	64-70	1900	3206	3289	4023	0	0	0
	71-77	198	154	102	113	185	126	0
A-03-04 17	57-63	0	0	0	0	0	0	0
	64-70	941	941	941	1155	1242	1349	0
	71-77	836	381	464	643	0	0	0
A-03-04 19	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	112	113	225	387	336
A-03-04 20	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	621	637	603

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-03-04 21	57-63	0	0	0	94	84	100	124
	64-70	551	550	1071	952	946	1116	1321
	71-77	1526	1562	1178	771	1271	1598	1740
A-03-04 22	57-63	14	14	14	14	14	14	14
	64-70	14	14	14	14	14	14	14
	71-77	14	14	14	69	70	49	44
A-03-04 23	57-63	37	37	37	37	37	37	37
	64-70	573	573	573	669	574	622	817
	71-77	724	649	1141	1224	1289	1169	1363
A-03-04 24	57-63	4	4	4	4	4	4	4
	64-70	129	129	129	122	127	124	352
	71-77	360	321	276	309	246	255	297
A-03-04 25	57-63	0	0	0	0	0	0	0
	64-70	21	21	21	5	2	0	0
	71-77	0	0	0	0	0	0	0
A-03-04 26	57-63	3	3	3	3	3	3	3
	64-70	493	493	493	553	451	312	330
	71-77	286	200	237	254	201	217	291
A-03-04 27	57-63	0	0	0	0	0	0	0
	64-70	3	3	3	3	3	3	6
	71-77	3	2	2	33	517	475	629
A-03-04 29	57-63	0	0	0	300	268	320	394
	64-70	562	557	562	455	383	456	504
	71-77	408	440	417	142	182	220	590
A-03-04 34	57-63	0	0	0	0	0	0	0
	64-70	255	255	113	58	65	5	84
	71-77	1	0	0	824	959	0	0
A-03-04 35	57-63	0	0	0	0	0	0	0
	64-70	0	0	117	116	0	0	0
	71-77	0	0	0	714	719	539	425
A-03-04 36	57-63	40	88	99	104	93	111	136
	64-70	141	140	141	103	0	0	0
	71-77	187	741	1175	1378	1419	179	201
A-03-05 17	57-63	0	0	0	0	0	0	0
	64-70	34	34	34	40	28	36	31
	71-77	29	24	28	30	37	36	39
A-03-05 19	57-63	0	0	0	0	0	0	0
	64-70	68	68	68	110	45	87	187
	71-77	305	125	42	138	337	488	607
A-03-05 26	57-63	3	3	3	3	3	3	3
	64-70	3	3	3	3	3	3	3
	71-77	3	3	3	38	60	77	95
A-03-05 27	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
A-03-05 28	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	1	77	116	70	75
A-04-01 06	57-63	1	1	1	1	1	2	2
	64-70	2	2	2	2	2	2	2
	71-77	2	2	2	2	2	3	3

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-04-01 08	57-63	0	0	0	0	0	0	0
	64-70	246	246	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
A-04-01 13	57-63	0	0	0	0	0	0	0
	64-70	335	335	335	454	362	405	546
	71-77	578	593	394	403	536	523	652
A-04-01 14	57-63	0	0	0	0	0	0	0
	64-70	775	775	775	825	643	682	595
	71-77	580	544	521	530	371	466	442
A-04-01 15	57-63	0	0	0	0	0	0	0
	64-70	628	628	628	693	718	723	599
	71-77	546	560	509	625	683	591	630
A-04-01 16	57-63	0	0	0	0	0	0	0
	64-70	520	520	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
A-04-01 22	57-63	0	0	0	0	0	0	0
	64-70	3749	3749	3749	4136	4281	4311	3573
	71-77	3260	3338	3035	3725	4071	3527	3762
A-04-01 23	57-63	0	0	0	0	0	0	0
	64-70	681	681	681	896	886	3976	5507
	71-77	3962	3626	3206	4676	3323	4461	4940
A-04-01 24	57-63	0	0	0	0	0	0	0
	64-70	3175	3175	3175	3052	1280	3946	4539
	71-77	3505	3254	3343	3942	3392	5105	6038
A-04-01 25	57-63	0	0	0	0	0	0	0
	64-70	2138	2138	2138	2319	0	1483	1617
	71-77	1662	1738	1323	1481	1585	1506	1900
A-04-01 26	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	130	115
A-04-01 27	57-63	0	0	0	0	0	0	0
	64-70	2605	2605	2661	2942	3073	3111	2574
	71-77	2359	2435	2202	2694	2948	2452	2614
A-04-01 28	57-63	0	0	0	0	0	0	0
	64-70	1010	1010	1010	1115	1154	1162	963
	71-77	878	900	818	1005	1097	950	1014
A-04-01 29	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	420	806	816	533	644
A-04-01 31	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	2773	582	358	466	613
A-04-01 32	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	169	479	1430	2249	2747
A-04-01 33	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	1003	1175	1295	575
A-04-01 34	57-63	0	0	0	0	0	0	0
	64-70	4552	4552	4552	3280	3396	3420	2833
	71-77	2586	2647	2407	2955	3229	2798	2984

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

A-04-01 35	57-63	0	0	0	0	0	0	0
	64-70	3922	3922	3922	4330	4481	4513	3739
	71-77	3412	3492	3177	3900	4261	3693	3938
A-04-02 23	57-63	106	3	3	0	0	610	524
	64-70	0	0	0	0	0	0	4
	71-77	15	84	62	50	52	7	77
A-04-02 26	57-63	0	0	0	0	0	0	0
	64-70	778	778	778	1009	1248	1315	411
	71-77	330	396	416	0	0	0	0
A-04-02 29	57-63	0	0	0	0	0	0	0
	64-70	943	943	943	32	116	1033	1054
	71-77	1527	1228	1056	1268	1040	0	0
A-04-02 30	57-63	0	0	0	0	0	0	0
	64-70	3248	3248	5446	1372	1258	3405	3813
	71-77	776	997	1148	1294	7032	7395	7023
A-04-02 31	57-63	0	0	0	0	0	0	0
	64-70	256	256	128	96	0	0	0
	71-77	0	0	0	0	0	0	0
A-04-02 32	57-63	0	0	0	0	0	0	0
	64-70	1127	1127	1127	1327	1107	1301	5
	71-77	2	730	669	754	1643	1200	488
A-04-02 33	57-63	0	0	0	0	0	0	0
	64-70	1461	1461	1461	1220	1535	2408	0
	71-77	541	658	902	691	624	1273	690
A-04-02 35	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	0	20
A-04-02 36	57-63	0	0	0	0	0	0	0
	64-70	43	43	43	187	153	167	114
	71-77	285	662	186	133	70	178	278
A-04-03 31	57-63	76	165	187	196	176	209	258
	64-70	267	264	267	194	200	184	152
	71-77	137	98	6	32	0	0	0
A-04-03 35	57-63	1	1	1	1	1	2	2
	64-70	2	2	2	2	2	0	0
	71-77	0	0	0	0	0	0	0
A-04-03 36	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	534	460	363	320	286	369	379
A-04-04 13	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	244	1829
A-04-04 31	57-63	0	0	0	0	0	0	0
	64-70	279	279	279	302	372	424	476
	71-77	515	401	373	520	490	511	545
A-04-04 34	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	139	175	151	151	151	215
B-01-01 01	57-63	0	0	0	0	0	0	0
	64-70	548	548	900	1073	772	562	656
	71-77	715	706	419	709	714	691	695

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

B-01-01 02	57-63	369	369	369	369	369	369	369
	64-70	1462	1462	4232	5204	3257	1621	1793
	71-77	1931	1909	1456	1970	1776	1792	2066
B-01-01 03	57-63	0	0	0	0	0	0	0
	64-70	975	975	2066	2158	1570	1141	1126
	71-77	1190	1245	1103	1453	1258	1265	1356
B-01-01 04	57-63	0	0	0	0	0	0	0
	64-70	187	187	666	641	807	1280	1164
	71-77	1347	1329	1245	1493	1407	1152	1188
B-01-01 05	57-63	0	0	0	0	0	0	0
	64-70	0	0	553	78	487	942	836
	71-77	993	964	918	1071	1036	796	814
B-01-01 06	57-63	0	0	0	0	0	0	0
	64-70	650	650	650	683	563	638	613
	71-77	666	707	605	854	709	782	799
B-01-01 07	57-63	2030	2030	2030	2030	2030	2030	2030
	64-70	2030	2030	2303	2653	3205	4073	3843
	71-77	4183	4119	3842	4091	4465	3896	3725
B-01-01 08	57-63	0	0	0	0	0	0	0
	64-70	259	259	2563	3142	2029	2472	2194
	71-77	2606	2528	2408	2810	2717	2088	2135
B-01-01 09	57-63	0	0	0	0	0	0	0
	64-70	0	0	280	0	0	0	0
	71-77	0	0	0	0	0	0	0
B-01-01 10	57-63	617	617	617	617	617	617	617
	64-70	617	617	518	617	617	617	617
	71-77	617	617	1140	1699	495	1561	1551
B-01-01 11	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	79	153	136
	71-77	161	157	181	215	239	182	814
B-01-01 12	57-63	0	0	0	0	0	0	0
	64-70	2139	2139	2608	5362	2634	2397	2916
	71-77	3274	3134	1439	3164	2892	2724	2737
B-01-01 13	57-63	751	751	775	947	1074	710	836
	64-70	875	915	630	1164	611	697	1118
	71-77	1303	1150	280	922	1863	1254	793
B-01-01 14	57-63	0	0	0	0	0	0	0
	64-70	46	46	46	47	37	41	45
	71-77	46	49	41	48	57	57	58
B-01-01 15	57-63	767	767	767	767	767	767	767
	64-70	767	767	600	600	600	600	600
	71-77	600	600	600	900	784	643	739
B-01-01 16	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	16	702	545	0	0
B-01-01 17	57-63	0	0	0	0	0	0	0
	64-70	0	0	717	810	2281	3616	3209
	71-77	3812	3699	3523	4112	3975	3054	3123
B-01-01 18	57-63	2209	2209	2209	2209	2209	2209	2209
	64-70	2209	2209	2745	2897	2865	2989	2902
	71-77	3032	3007	3044	2188	2849	3432	3445

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

B-01-01 19	57-63	0	0	0	0	0	0	0
	64-70	1141	1141	2426	3469	2557	2951	2368
	71-77	2700	2934	2736	3038	2801	2264	2491
B-01-01 20	57-63	0	0	0	0	0	0	0
	64-70	370	370	764	1047	1241	1444	1410
	71-77	1572	1618	1613	1266	1807	1398	1045
B-01-01 21	57-63	0	0	0	0	0	0	0
	64-70	236	236	2496	3358	3715	4971	4328
	71-77	5116	5177	5130	6191	5692	4228	4702
B-01-01 22	57-63	0	0	0	0	0	0	0
	64-70	14	14	450	552	329	475	524
	71-77	579	544	557	650	652	645	462
B-01-01 23	57-63	0	0	0	0	0	0	0
	64-70	0	0	433	537	371	0	0
	71-77	0	0	0	0	0	0	0
B-01-01 24	57-63	0	0	0	0	0	0	0
	64-70	1467	1467	3144	4506	2627	1645	2002
	71-77	2247	2150	987	2172	1984	1870	1878
B-01-01 25	57-63	0	0	0	0	0	0	0
	64-70	743	743	1640	2110	1294	666	725
	71-77	744	781	658	778	919	922	934
B-01-01 27	57-63	0	0	0	0	0	0	0
	64-70	263	263	263	268	211	236	256
	71-77	263	276	234	276	326	327	331
B-01-01 28	57-63	0	0	0	2843	2681	2430	2023
	64-70	3223	3660	2831	3909	1606	3275	3042
	71-77	2830	2823	4115	4594	4195	5247	4274
B-01-01 29	57-63	5753	5995	8698	9304	9499	8024	7089
	64-70	6488	7088	4562	6720	2304	3201	2726
	71-77	2739	1530	4362	3967	3943	7893	7463
B-01-01 30	57-63	2524	2763	3011	6288	6013	4903	4292
	64-70	3236	3664	2069	3325	1136	113	1781
	71-77	1567	203	53	1234	672	3512	5592
B-01-01 31	57-63	0	0	0	0	0	0	0
	64-70	450	450	450	582	503	265	391
	71-77	280	431	240	1520	1942	1898	2520
B-01-01 32	57-63	0	0	0	0	0	0	0
	64-70	1345	1345	1345	1699	1818	2010	1823
	71-77	1902	2167	1944	2158	1984	2000	2634
B-01-01 33	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	99	105	116	77	97
B-01-02 01	57-63	0	0	0	0	0	0	0
	64-70	1117	1117	1117	1206	1047	1129	1166
	71-77	1174	1268	1088	1507	1247	1383	1846
B-01-02 02	57-63	2513	2513	2513	2513	2513	2513	2513
	64-70	2605	2605	2365	2590	2613	3066	2561
	71-77	3298	2852	2987	3049	2903	3530	3831
B-01-02 03	57-63	0	0	0	0	0	0	0
	64-70	648	648	648	714	1480	1578	1281
	71-77	1389	1378	1497	1286	1457	1625	1529

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
B-01-02 04	57-63	0	0	0	0	0	0	0
	64-70	0	0	75	0	0	0	0
	71-77	0	0	0	0	0	0	0
B-01-02 05	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	462	666	286
	71-77	522	540	744	716	1120	1333	1156
B-01-02 08	57-63	2204	2204	2204	2204	2204	2204	2204
	64-70	4091	4091	4051	4920	5125	6469	6198
	71-77	5697	4054	4679	4429	6022	6719	6160
B-01-02 09	57-63	2671	2671	2671	2671	2671	2671	2671
	64-70	2671	2671	1646	2671	4226	4807	3643
	71-77	5256	4321	3239	4567	5904	4622	4760
B-01-02 10	57-63	0	0	0	0	0	0	0
	64-70	792	792	803	1000	903	937	926
	71-77	974	949	641	145	1264	1449	728
B-01-02 11	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	601	481	443
	71-77	727	680	666	2217	2032	3089	2725
B-01-02 12	57-63	405	405	405	405	405	405	405
	64-70	719	719	490	930	469	405	405
	71-77	405	405	176	465	344	440	369
B-01-02 13	57-63	777	777	777	777	777	777	777
	64-70	777	777	972	1505	1209	1341	1135
	71-77	1375	1208	946	1433	1281	1460	874
B-01-02 14	57-63	1185	1185	1185	1185	1185	1185	1185
	64-70	2810	2810	2393	3216	3496	3306	2884
	71-77	3471	3400	3281	4149	4129	4638	2581
B-01-02 15	57-63	1624	1624	1624	1624	1624	1624	1624
	64-70	1624	1624	969	1624	2000	1902	1943
	71-77	1938	2011	1425	1900	2280	1899	1887
B-01-02 16	57-63	0	0	0	0	0	152	305
	64-70	285	280	720	353	408	408	362
	71-77	430	417	397	464	448	344	352
B-01-02 17	57-63	0	0	0	0	0	0	0
	64-70	0	938	663	938	938	938	938
	71-77	938	938	663	1511	1320	2129	1682
B-01-02 18	57-63	1834	1834	1834	1834	1834	1834	1834
	64-70	1834	1834	1106	1834	1834	1834	1834
	71-77	1834	1834	1106	1906	2271	1492	1663
B-01-02 19	57-63	946	946	946	946	946	946	946
	64-70	946	946	1037	946	1664	2341	2184
	71-77	2417	2373	2396	1717	2532	2758	3111
B-01-02 20	57-63	810	810	810	810	810	810	810
	64-70	810	810	401	810	810	810	810
	71-77	810	810	401	742	886	994	619
B-01-02 21	57-63	0	0	0	0	0	0	0
	64-70	0	0	1306	1651	2814	4456	3955
	71-77	4697	4557	4341	5066	4896	3763	3848
B-01-02 22	57-63	0	0	0	0	0	0	0
	64-70	0	0	718	1433	1568	2319	2058
	71-77	2444	2371	2329	2711	2570	2010	2064

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

B-01-02 23	57-63	0	0	0	0	0	0	0
	64-70	0	0	234	811	1262	2045	1815
	71-77	2155	2092	1993	2326	2248	1728	1857
B-01-02 24	57-63	0	0	0	0	0	0	0
	64-70	90	90	90	654	426	0	0
	71-77	0	0	0	0	0	0	0
B-01-02 25	57-63	2470	1905	1577	1123	1099	1303	1022
	64-70	2206	2662	1965	1390	925	706	672
	71-77	927	0	1025	2339	1436	4645	4556
B-01-02 26	57-63	4923	3802	6260	6192	7901	6775	6243
	64-70	7017	5467	3732	5081	2394	4200	4376
	71-77	3923	4382	3394	5229	6186	5202	4467
B-01-02 27	57-63	5901	3244	5372	4714	5153	4594	4706
	64-70	3433	3811	2060	1679	386	1637	1773
	71-77	968	2376	1695	3131	4077	3739	3002
B-01-02 28	57-63	4760	2744	3946	2867	4783	3836	2874
	64-70	2758	3039	1660	2030	997	1391	1210
	71-77	1855	2145	1090	2104	2436	2239	2439
B-01-02 29	57-63	4624	3384	2611	2773	2573	2243	2653
	64-70	2704	2295	1605	1353	1764	2509	1847
	71-77	1982	1930	1590	2104	2229	1814	1796
B-01-02 30	57-63	3332	2284	2132	2475	2015	2651	2286
	64-70	1855	2430	2216	2495	2222	2983	2175
	71-77	2426	2494	1939	5136	4013	3575	2909
B-01-02 33	57-63	2002	1314	1662	1406	1220	1026	930
	64-70	196	14	22	36	16	0	0
	71-77	0	0	0	0	0	0	0
B-01-02 34	57-63	1478	4117	3237	2700	2319	2430	2497
	64-70	2326	1675	1919	1903	2015	1697	1489
	71-77	1804	1303	1775	2275	2224	2003	1179
B-01-02 35	57-63	0	0	0	0	0	0	0
	64-70	388	388	388	887	140	0	0
	71-77	0	0	689	639	1002	1076	2529
B-01-03 13	57-63	0	0	0	0	0	0	0
	64-70	116	116	116	169	180	0	0
	71-77	0	0	0	0	0	0	0
B-01-03 14	57-63	0	0	0	0	0	0	0
	64-70	1092	1092	1092	602	0	0	0
	71-77	0	0	197	119	86	81	70
B-01-03 16	57-63	3	0	0	0	0	0	0
	64-70	0	0	349	332	26	0	0
	71-77	0	0	0	0	63	63	63
B-01-03 20	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	120	261	672	500
B-01-03 21	57-63	0	0	0	0	0	0	0
	64-70	0	0	765	761	509	412	367
	71-77	436	422	402	469	453	348	357
B-01-03 22	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	793	487	815	868

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

B-01-03 23	57-63	1171	1171	1171	1171	1171	1171	1171
	64-70	1171	1171	927	1171	1171	1171	1171
	71-77	1171	1171	927	1592	1701	2369	1825
B-01-03 24	57-63	0	0	0	0	0	0	0
	64-70	0	0	967	1357	1892	2508	2225
	71-77	2644	2565	2443	2852	2756	2118	2166
B-01-03 25	57-63	0	0	0	0	0	0	0
	64-70	0	0	2066	1887	2221	1898	1684
	71-77	2001	1942	1850	2158	2086	1603	1640
B-01-03 26	57-63	0	0	0	0	0	0	0
	64-70	237	237	237	151	106	0	0
	71-77	0	0	0	0	0	0	0
B-01-03 27	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	669	867	1085	906
B-01-03 28	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	1607	1317	1627	1448
B-01-03 29	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	2250	986	2141
B-01-03 32	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	528	523	782	738
B-01-03 33	57-63	0	0	0	0	0	0	0
	64-70	476	476	433	391	180	0	0
	71-77	0	0	0	0	0	0	0
B-01-03 34	57-63	4400	3972	6020	4509	8222	6742	7099
	64-70	4957	4813	2749	3828	1339	2487	1892
	71-77	2704	2548	1551	3531	4728	3018	2096
B-01-03 35	57-63	1926	1253	1746	1564	1516	1552	1712
	64-70	1348	1699	1034	1701	765	1505	1538
	71-77	1699	1402	1142	1623	1912	1873	1432
B-01-03 36	57-63	5624	6239	5481	5813	5937	5109	4856
	64-70	4024	4499	2534	3203	3226	5462	4319
	71-77	5273	5311	3939	3386	5854	4830	3460
B-02-01 01	57-63	0	0	0	0	0	0	0
	64-70	20	20	20	23	23	23	23
	71-77	23	24	23	22	22	19	21
B-02-01 02	57-63	0	0	0	0	0	0	0
	64-70	0	0	52	54	69	66	54
	71-77	48	79	86	278	21	151	255
B-02-01 03	57-63	0	0	0	0	0	0	0
	64-70	1082	1082	1082	1172	1315	1344	1210
	71-77	1480	1698	1539	1712	1413	1193	1970
B-02-01 04	57-63	0	0	0	0	0	0	0
	64-70	111	111	111	125	128	128	128
	71-77	128	131	128	119	118	106	113
B-02-01 05	57-63	0	0	0	0	0	0	0
	64-70	808	808	808	910	932	932	932
	71-77	932	952	932	870	860	772	826

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

B-02-01 06	57-63	0	0	0	0	0	0	0
	64-70	3719	3719	3719	3562	2768	3033	4119
	71-77	3661	4652	4290	4501	4953	4559	6288
B-02-01 07	57-63	0	0	0	0	0	0	0
	64-70	2932	2932	2932	2958	2397	2649	2937
	71-77	3163	3444	2913	3044	3399	3081	4563
B-02-01 08	57-63	0	0	0	0	0	0	0
	64-70	599	599	599	675	691	691	691
	71-77	691	706	691	1343	1381	1168	1288
B-02-01 09	57-63	0	0	0	0	0	0	0
	64-70	487	487	487	549	562	562	562
	71-77	562	574	562	524	519	466	498
B-02-01 12	57-63	0	0	0	0	0	0	0
	64-70	4202	4202	4202	5314	3954	4287	4393
	71-77	4494	4636	4191	5396	4654	4993	8772
B-02-01 13	57-63	0	0	0	0	0	0	0
	64-70	2180	2180	2180	2303	2463	2710	2417
	71-77	2789	1878	1940	2588	2349	2481	3871
B-02-01 14	57-63	0	0	0	0	0	0	0
	64-70	1977	1977	1977	2133	1853	1998	2063
	71-77	2077	2244	1925	2665	2207	2447	4632
B-02-01 16	57-63	0	0	0	0	0	0	0
	64-70	52	52	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
B-02-01 17	57-63	0	0	0	0	0	0	0
	64-70	621	621	621	851	778	623	653
	71-77	610	1276	353	1535	874	735	1004
B-02-01 18	57-63	0	0	0	0	0	0	0
	64-70	1256	1256	1256	1268	1027	1135	1259
	71-77	1356	1476	1248	1305	1457	1320	3443
B-02-01 19	57-63	0	0	0	0	0	0	0
	64-70	4257	4257	4257	4595	3991	4304	4441
	71-77	4473	4833	4144	5741	4754	5271	9479
B-02-01 20	57-63	0	0	0	0	0	0	0
	64-70	365	365	365	394	342	369	381
	71-77	384	414	355	492	408	452	1451
B-02-01 21	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	0	378
B-02-01 23	57-63	0	0	0	0	0	0	0
	64-70	1489	1489	1489	1608	1884	1994	2042
	71-77	2053	2179	2423	2949	2623	2849	3032
B-02-01 24	57-63	1135	1135	1135	1135	1135	1135	1135
	64-70	2545	2545	1926	2604	2611	2462	2602
	71-77	2636	1718	1306	1861	2062	2325	1391
B-02-01 25	57-63	4556	4556	4556	4556	4556	4556	4556
	64-70	5158	5158	4157	5545	4968	4939	5022
	71-77	5079	5057	3785	4813	5171	5614	4466
B-02-01 26	57-63	1621	1621	1621	1621	1621	1621	1621
	64-70	4586	4586	3608	4747	4521	4483	4093
	71-77	3960	4521	3349	4725	4869	4813	4771

TABLE A1 P U M P A G E PAGE 30

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
B-02-01 27	57-63	0	0	0	0	277	277	277
	64-70	3227	3227	3227	3462	3341	3558	3654
	71-77	3676	3925	3447	4507	3834	4218	4718
B-02-01 28	57-63	0	0	0	0	0	0	0
	64-70	822	822	822	887	770	831	858
	71-77	864	933	800	1108	918	1018	1253
B-02-01 29	57-63	0	0	0	0	0	0	0
	64-70	1791	1791	1791	1820	1566	1379	1423
	71-77	1433	1548	1328	1839	1523	1688	2599
B-02-01 30	57-63	0	0	0	0	0	0	0
	64-70	916	916	916	990	859	927	956
	71-77	963	1040	893	1236	1023	1134	1279
B-02-01 31	57-63	0	0	0	0	0	0	0
	64-70	2112	2112	2112	2281	1980	2137	2205
	71-77	2221	2399	2058	2849	2360	2616	4034
B-02-01 32	57-63	0	0	0	0	0	0	0
	64-70	981	981	4063	6430	3388	3948	3503
	71-77	4162	4038	3847	4489	4340	3334	3410
B-02-01 33	57-63	0	0	0	0	0	0	0
	64-70	2018	2018	2018	2179	1892	2041	2106
	71-77	2121	2291	1966	2722	2254	2499	3032
B-02-01 34	57-63	0	0	0	0	0	0	0
	64-70	2806	2806	2806	3031	2632	2839	2928
	71-77	2950	3187	2733	3785	3134	3475	4155
B-02-01 35	57-63	0	0	0	0	0	0	0
	64-70	1702	1702	1702	1901	1520	1356	1291
	71-77	1029	1301	1498	1606	1469	1585	1635
B-02-01 36	57-63	0	0	0	0	0	0	0
	64-70	2644	2644	3091	6602	3374	3446	3404
	71-77	2815	3825	3504	2458	2851	4651	3491
B-02-02 01	57-63	0	0	0	0	0	0	0
	64-70	2438	2438	2438	2670	2120	2332	2626
	71-77	2594	2832	2450	2766	2962	2721	4912
B-02-02 02	57-63	0	0	0	0	0	0	0
	64-70	47	47	47	60	41	48	56
	71-77	48	53	48	63	62	59	63
B-02-02 03	57-63	0	531	531	531	531	531	477
	64-70	329	355	505	688	672	567	633
	71-77	812	680	215	611	696	664	572
B-02-02 10	57-63	0	0	847	1503	1503	1503	2078
	64-70	2306	1077	1125	1118	1394	1395	1159
	71-77	1216	785	525	1282	1461	1182	1049
B-02-02 11	57-63	0	0	0	744	744	744	969
	64-70	1391	792	652	1290	1125	1097	1055
	71-77	1014	1122	347	567	599	524	932
B-02-02 12	57-63	0	0	0	0	0	0	0
	64-70	1448	1448	1448	1592	1160	1289	1510
	71-77	1486	1596	1389	1531	1638	1506	2310
B-02-02 13	57-63	0	0	0	0	0	0	0
	64-70	419	419	419	825	829	750	799
	71-77	452	492	416	435	486	440	1009

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

B-02-02 14	57-63	0	0	0	0	0	0	0
	64-70	1444	1444	1444	1840	1278	1482	1740
	71-77	1468	1640	1486	1943	1968	1856	1984
B-02-02 15	57-63	0	0	0	0	0	1477	1477
	64-70	1406	1124	940	866	727	891	701
	71-77	641	492	293	797	909	835	887
B-02-02 21	57-63	1091	1091	1091	1091	1091	1091	1223
	64-70	1165	863	1180	1160	736	1351	1141
	71-77	1192	1237	333	685	781	486	509
B-02-02 22	57-63	0	0	0	0	0	0	0
	64-70	213	213	213	271	188	218	257
	71-77	216	242	219	286	284	267	285
B-02-02 23	57-63	0	0	0	0	0	0	0
	64-70	0	0	401	0	843	1389	1205
	71-77	1616	1857	1520	1763	1736	1548	3844
B-02-02 24	57-63	0	0	0	0	0	0	0
	64-70	4248	4248	4248	4588	3983	4298	4435
	71-77	4467	4825	4139	5731	4746	5262	8858
B-02-02 25	57-63	0	0	0	0	0	0	0
	64-70	3151	3151	3151	3402	2954	3187	3290
	71-77	3312	3579	3070	4250	3519	3902	8330
B-02-02 27	57-63	728	728	728	728	728	728	2073
	64-70	2053	1520	892	1847	2302	2920	2937
	71-77	3516	3994	2769	3501	3388	2899	2831
B-02-02 28	57-63	1041	1041	1041	1041	1041	1041	1456
	64-70	1055	964	224	634	789	1133	1261
	71-77	1379	1116	366	799	905	987	927
B-02-02 33	57-63	75	75	75	75	75	75	75
	64-70	103	103	103	94	93	98	276
	71-77	269	293	341	360	305	189	223
B-02-02 34	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	939	1053	870
	71-77	1411	1474	1202	1594	1327	1462	1293
B-02-02 35	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	1378	1458	1331
	71-77	1559	1660	1704	2005	1725	1484	1299
B-02-02 36	57-63	0	0	0	0	0	0	0
	64-70	2261	2261	2261	2442	2121	2287	2361
	71-77	2377	2568	2203	3050	2526	2802	4940
B-03-01 01	57-63	0	0	0	0	0	0	0
	64-70	221	221	221	244	252	254	210
	71-77	192	197	179	219	240	208	222
B-03-01 03	57-63	0	0	0	0	0	0	0
	64-70	1137	1137	1137	1255	1299	1308	1084
	71-77	989	1012	921	1130	1235	1070	1141
B-03-01 05	57-63	0	0	0	0	0	0	0
	64-70	827	827	827	1053	731	848	996
	71-77	841	939	851	1112	1103	1034	1108
B-03-01 06	57-63	817	817	817	817	817	817	1150
	64-70	2648	2352	2460	2970	2328	2632	2884
	71-77	2642	3365	2326	3514	3655	3133	3342

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

B-03-01 07	57-63	0	0	0	0	0	0	0
	64-70	856	856	856	1090	757	878	1031
	71-77	870	972	880	1151	1141	1071	1147
B-03-01 08	57-63	0	0	0	0	0	0	0
	64-70	1895	1895	1895	2174	2041	2120	1927
	71-77	1719	1805	1640	2053	2176	1932	2064
B-03-01 09	57-63	0	0	0	0	0	0	0
	64-70	3275	3275	3275	3615	3742	3768	3122
	71-77	2850	2916	2652	3256	3558	3083	3289
B-03-01 10	57-63	0	0	0	0	0	0	0
	64-70	3196	3196	3196	3527	3651	3676	3046
	71-77	2780	2845	2587	3177	3471	3008	3208
B-03-01 11	57-63	0	0	0	0	0	0	0
	64-70	1536	1536	1536	1695	1755	1766	1464
	71-77	1336	1367	1244	1527	1668	1445	1542
B-03-01 12	57-63	0	0	0	0	0	0	0
	64-70	1429	1429	1429	1578	1633	1644	1362
	71-77	1243	1273	1157	1421	1553	1345	1435
B-03-01 14	57-63	0	0	0	0	0	0	0
	64-70	1133	1133	1133	1250	1294	1303	1080
	71-77	985	1009	917	1126	1230	1066	1137
B-03-01 15	57-63	0	0	0	0	0	0	0
	64-70	3028	3028	3028	3342	4434	4580	4085
	71-77	4132	4136	3915	4704	5096	2850	3040
B-03-01 16	57-63	0	0	0	0	0	0	0
	64-70	2476	2476	2476	2734	2829	2849	2361
	71-77	2154	2205	2005	2462	2690	2331	2664
B-03-01 17	57-63	0	0	0	0	0	0	0
	64-70	1843	1843	1843	2311	1688	1919	2164
	71-77	1841	2038	1847	2400	2402	2237	2394
B-03-01 18	57-63	0	0	0	0	0	0	0
	64-70	665	665	665	847	588	682	801
	71-77	676	754	683	894	886	831	890
B-03-01 19	57-63	0	0	0	0	0	0	0
	64-70	2161	2161	2161	2754	1912	2218	2605
	71-77	2199	2455	2224	2908	2883	2705	2898
B-03-01 20	57-63	0	0	0	0	0	0	0
	64-70	1951	1951	1951	2154	2228	2244	1860
	71-77	1697	1737	1580	1940	2119	1836	1958
B-03-01 21	57-63	0	0	0	0	0	0	0
	64-70	2926	2926	2926	3230	3343	3367	2789
	71-77	2546	2606	2370	2910	3179	2754	2938
B-03-01 22	57-63	0	0	0	0	0	0	0
	64-70	1076	1076	1076	1188	1229	1238	1026
	71-77	937	958	871	1070	1169	1012	1080
B-03-01 23	57-63	0	0	0	0	0	0	0
	64-70	273	273	273	301	312	314	260
	71-77	237	243	767	271	297	257	274
B-03-01 24	57-63	0	0	0	0	0	0	0
	64-70	983	983	983	1085	1123	1131	938
	71-77	855	875	797	978	1068	926	987

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

B-03-01 26	57-63	0	0	0	0	0	0	0
	64-70	2370	2370	2370	2616	2707	2726	2259
	71-77	2062	2110	1918	2356	2574	2230	2379
B-03-01 27	57-63	882	882	882	882	882	882	882
	64-70	6961	6961	6632	7592	7827	7875	6678
	71-77	6170	6294	5476	6044	6605	5722	6102
B-03-01 28	57-63	1500	1500	1500	1500	1500	1500	1500
	64-70	2286	2286	2319	2368	2398	2404	2250
	71-77	2184	2200	2169	781	854	740	788
B-03-01 29	57-63	0	0	0	0	0	0	0
	64-70	2613	2613	2613	2885	2984	3005	2491
	71-77	2274	2326	2115	2597	2839	2459	2623
B-03-01 31	57-63	478	478	478	478	478	478	478
	64-70	1100	1100	953	1270	1028	1116	1227
	71-77	1110	1184	1118	836	829	778	833
B-03-01 32	57-63	643	643	643	643	643	643	643
	64-70	2820	2820	2831	3125	3037	3108	2831
	71-77	2607	2680	2505	2307	2464	2174	2321
B-03-01 33	57-63	0	0	0	0	0	0	0
	64-70	55	55	55	61	63	64	53
	71-77	48	49	45	55	60	52	56
B-03-01 34	57-63	508	508	508	508	508	508	508
	64-70	1238	1238	913	1315	1343	1349	1204
	71-77	1144	1159	775	727	793	687	733
B-03-01 35	57-63	0	0	0	0	0	0	0
	64-70	525	525	525	579	599	604	500
	71-77	456	467	425	522	570	494	527
B-03-01 36	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	711	307	393
B-03-02 01	57-63	0	896	896	896	896	896	1182
	64-70	1665	1792	1830	2064	1613	1761	2116
	71-77	1983	2389	1412	2402	2552	2268	2332
B-03-02 02	57-63	158	652	652	652	652	652	457
	64-70	636	484	681	646	578	972	793
	71-77	874	705	258	1691	1929	712	793
B-03-02 03	57-63	794	794	1502	1502	1502	1502	1442
	64-70	1916	780	1194	1755	1291	1755	1576
	71-77	1266	1415	467	1296	1477	1385	1857
B-03-02 10	57-63	1415	3013	3013	3013	3013	3013	2363
	64-70	3834	2873	2285	3838	3189	3870	3535
	71-77	3627	2962	1225	3003	3349	3247	3362
B-03-02 11	57-63	872	872	872	872	872	872	769
	64-70	986	744	815	1051	799	1094	1128
	71-77	973	734	473	885	994	612	895
B-03-02 12	57-63	1404	1404	1404	1404	1404	1404	1414
	64-70	1967	1335	1915	2597	1761	2470	1776
	71-77	2576	2551	1159	2323	2539	2307	2167
B-03-02 13	57-63	925	925	925	925	925	925	1119
	64-70	1728	981	1367	1850	1277	1720	1764
	71-77	1776	1514	931	1591	1690	1523	1679

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
B-03-02 14	57-63	659	1138	1138	1138	1138	1138	1407
	64-70	1268	731	753	1138	898	1267	1259
	71-77	1134	944	352	886	1010	855	847
B-03-02 15	57-63	0	0	1006	1006	1006	1006	900
	64-70	2643	2220	2248	2920	2274	2599	2887
	71-77	2318	2408	2021	2959	3080	2450	2633
B-03-02 22	57-63	897	897	897	897	897	897	1091
	64-70	1751	1296	1199	1639	1195	1409	1578
	71-77	1563	1557	962	1776	1910	1736	1608
B-03-02 23	57-63	1517	1517	1517	1517	1517	1517	1348
	64-70	1616	1189	1476	2050	1211	1489	1716
	71-77	1804	1474	747	1877	2140	1809	1659
B-03-02 24	57-63	0	0	0	0	0	0	0
	64-70	1015	1015	1015	1293	899	1043	1223
	71-77	1033	1153	1044	1367	1354	1271	1362
B-03-02 25	57-63	0	0	517	517	517	517	504
	64-70	1176	813	1108	1236	1877	2135	2028
	71-77	2240	2333	1761	2701	2867	2512	1122
B-03-02 26	57-63	0	0	221	221	221	221	621
	64-70	520	340	262	649	285	271	316
	71-77	486	539	305	456	468	444	484
B-03-02 27	57-63	792	792	792	792	1832	1832	1931
	64-70	2036	1634	1737	1945	1488	1860	1764
	71-77	1510	1717	715	1624	1852	1364	1353
B-03-02 34	57-63	0	0	0	0	0	0	0
	64-70	633	633	633	806	560	649	762
	71-77	644	719	651	851	844	792	848
B-03-02 35	57-63	300	300	300	300	1044	1044	1452
	64-70	1982	1623	1344	1669	1102	1434	1279
	71-77	1213	1431	958	1430	1500	1150	1417
B-03-02 36	57-63	0	0	0	0	0	1098	1098
	64-70	1064	744	729	538	714	683	686
	71-77	737	792	112	184	210	677	473
B-04-01 14	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	1154	1137	1603
	71-77	1816	1558	2085	1957	1490	1467	1374
B-04-01 15	57-63	0	0	0	0	0	0	0
	64-70	2342	2342	2342	2984	2072	2403	2821
	71-77	2381	2659	2410	3150	3123	2930	3139
B-04-01 19	57-63	544	544	544	544	1593	1593	1321
	64-70	2309	2118	2220	2800	1983	2410	3026
	71-77	2586	2819	1058	1989	2118	2179	2056
B-04-01 20	57-63	1115	1115	1115	1115	1115	2190	2301
	64-70	2935	2415	2364	2664	2398	2516	2909
	71-77	2411	3208	1171	2486	2710	2724	2513
B-04-01 21	57-63	595	595	1257	1257	1257	1257	1618
	64-70	1796	1136	1211	1333	960	1218	1692
	71-77	1518	1362	364	1806	2060	2728	721
B-04-01 22	57-63	0	0	0	0	0	0	0
	64-70	388	388	388	495	343	398	468
	71-77	395	441	400	522	518	486	520

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

B-04-01 23	57-63	0	0	0	0	0	0	0
	64-70	312	312	312	398	276	321	376
	71-77	318	355	321	420	417	391	419
B-04-01 27	57-63	0	0	0	0	0	0	0
	64-70	2275	2275	2275	2899	2013	2334	2741
	71-77	2314	2585	2341	3061	3036	2848	3049
B-04-01 28	57-63	1139	1139	1139	1139	1139	1139	1228
	64-70	1851	1016	1349	1179	956	855	890
	71-77	1145	1009	106	559	637	859	607
B-04-01 29	57-63	1993	1993	1993	1993	1993	1993	1573
	64-70	2252	2621	2859	2603	2196	3002	3519
	71-77	3050	2973	1425	2793	3064	2612	1946
B-04-01 30	57-63	2054	2054	2054	2054	2054	2054	2961
	64-70	2219	1716	2177	2105	1778	1808	1788
	71-77	2024	1972	566	1772	2022	2102	2290
B-04-01 31	57-63	0	0	0	0	0	0	0
	64-70	525	525	525	670	465	539	633
	71-77	534	597	541	707	701	658	704
B-04-01 33	57-63	0	0	0	0	0	0	0
	64-70	497	497	497	633	440	510	599
	71-77	505	565	511	668	663	622	666
B-04-01 34	57-63	0	0	0	0	0	0	0
	64-70	1867	1867	1867	2379	1652	1915	2250
	71-77	1899	2121	1921	2512	2490	2336	2503
B-04-02 24	57-63	0	0	295	295	295	295	141
	64-70	142	178	119	440	216	441	506
	71-77	504	573	156	529	603	659	632
B-04-02 25	57-63	684	684	684	684	684	684	674
	64-70	804	346	443	652	685	791	834
	71-77	910	1102	245	782	892	937	922
B-04-02 26	57-63	912	1563	1563	1563	1962	1962	2106
	64-70	2040	1325	1530	2828	2835	3265	3043
	71-77	3159	3309	769	2621	2990	3287	3053
B-04-02 27	57-63	379	379	379	379	379	379	353
	64-70	453	145	226	359	299	548	495
	71-77	510	460	61	214	244	273	415
B-04-02 34	57-63	0	0	0	576	576	576	782
	64-70	751	379	639	619	483	473	546
	71-77	465	371	67	402	459	650	917
B-04-02 36	57-63	0	0	0	871	871	871	933
	64-70	882	724	812	901	770	1083	804
	71-77	676	998	243	845	964	1078	1087
C-01-02 06	57-63	4273	3710	3579	6034	5851	5377	5566
	64-70	4895	2766	2132	3729	2649	3785	3214
	71-77	4111	3982	3331	3502	5893	5780	4818
C-01-03 01	57-63	1758	633	0	0	1531	1909	2281
	64-70	3826	3682	2719	3699	2704	3417	2895
	71-77	3349	3298	3054	2716	3625	2849	4850
C-01-03 02	57-63	883	533	727	819	842	774	666
	64-70	599	364	315	346	322	735	452
	71-77	313	579	528	3142	1604	935	1312

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
C-01-03 04	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	289	2326	3098	2462
C-01-03 06	57-63	0	0	0	0	0	0	0
	64-70	954	954	954	929	725	806	855
	71-77	874	672	660	877	737	509	339
C-01-03 07	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	33	2888	2508	1669
C-01-03 10	57-63	0	0	0	0	0	0	0
	64-70	87	87	87	90	68	103	90
	71-77	97	71	39	0	0	0	0
C-01-03 11	57-63	0	0	0	0	0	0	0
	64-70	24	24	24	54	84	54	62
	71-77	225	203	69	109	159	142	59
C-01-03 12	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	99
	71-77	55	140	90	126	57	128	144
C-01-03 13	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	441
	71-77	364	446	233	352	325	670	594
D-01-01 02	57-63	0	0	0	0	0	0	0
	64-70	557	557	765	884	604	499	543
	71-77	557	585	494	583	689	691	700
D-01-01 03	57-63	0	0	0	0	0	0	0
	64-70	513	513	628	824	539	460	500
	71-77	514	539	455	537	635	636	645
D-01-02 03	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	26
	71-77	437	54	0	171	519	368	405
D-01-02 04	57-63	0	0	0	0	0	0	0
	64-70	775	775	948	2195	631	869	1058
	71-77	1187	1136	522	1147	1049	988	992
D-01-02 05	57-63	0	0	0	0	0	0	0
	64-70	450	450	795	994	670	449	517
	71-77	557	555	356	557	580	564	570
D-01-02 06	57-63	0	0	0	0	0	0	0
	64-70	158	158	312	460	264	177	216
	71-77	242	232	107	234	214	202	203
D-01-02 07	57-63	0	0	0	0	0	0	0
	64-70	2854	2854	4097	5362	3581	3200	3894
	71-77	4372	4183	1922	4224	3860	3637	3653
D-01-02 08	57-63	0	0	0	0	0	0	0
	64-70	369	369	531	985	414	414	503
	71-77	565	541	248	546	499	470	472
D-01-02 17	57-63	0	0	0	0	0	0	0
	64-70	1615	1615	1792	3391	1315	1811	2204
	71-77	2473	2367	1088	2390	2184	2059	2068
D-01-02 18	57-63	0	0	0	0	0	0	0
	64-70	3912	3912	5487	8491	4555	4218	5044
	71-77	5590	5421	2795	5463	5206	4961	4991

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
D-01-02 19	57-63	0	0	0	0	0	0	0
	64-70	1858	1858	2675	3559	3183	1667	1813
	71-77	1860	1952	1647	1946	2299	2305	2336
D-01-02 20	57-63	0	0	0	0	0	0	0
	64-70	2735	2735	3797	6743	4940	2891	3425
	71-77	3773	3683	2009	3708	3610	3459	3484
D-01-02 29	57-63	0	0	0	0	0	0	0
	64-70	498	498	499	971	979	447	486
	71-77	499	524	442	522	617	618	626
D-01-02 31	57-63	0	0	0	0	0	0	0
	64-70	822	822	1266	1323	1227	737	802
	71-77	823	863	728	861	1017	1019	1033
D-01-03 06	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	511	1732	2785	2873	3043
D-01-04 01	57-63	0	0	0	0	0	0	0
	64-70	0	0	42	259	18	0	0
	71-77	0	0	0	0	0	0	0
D-01-04 02	57-63	0	0	0	0	0	0	0
	64-70	0	0	333	375	219	0	0
	71-77	0	0	0	0	0	0	0
D-01-04 03	57-63	4306	4306	5032	3936	5213	3730	3898
	64-70	3635	2550	2063	2167	1008	1612	1789
	71-77	3109	3094	8	2933	3237	2087	2801
D-01-04 09	57-63	1956	1956	2337	1519	2330	1749	769
	64-70	2396	1280	1282	2130	1185	999	916
	71-77	627	1029	456	1582	1769	1505	1700
D-01-04 10	57-63	2014	2014	2279	1999	2995	1590	2312
	64-70	2308	1457	2006	3413	2401	2072	1730
	71-77	1392	1837	175	1560	1502	2621	1280
D-01-04 11	57-63	4102	4102	4157	3129	4905	2451	3919
	64-70	3557	3273	2616	3651	1946	4236	4375
	71-77	3918	3510	93	3726	3477	3328	4029
D-01-04 12	57-63	2068	2068	2990	2065	3190	2662	2733
	64-70	2751	1847	1471	1621	999	1836	2308
	71-77	2120	1919	17	1638	2179	1615	1853
D-01-04 13	57-63	0	0	0	0	0	0	0
	64-70	497	497	1037	1592	968	557	678
	71-77	761	728	334	735	672	633	636
D-01-04 14	57-63	1171	1171	1516	859	1081	1587	1347
	64-70	1093	845	1311	1091	433	991	1269
	71-77	1091	1418	639	748	945	672	1540
D-01-04 16	57-63	0	0	0	0	0	0	0
	64-70	0	0	299	761	0	0	0
	71-77	0	0	0	0	0	0	0
D-01-04 18	57-63	0	0	0	0	0	0	0
	64-70	0	0	911	1092	1019	0	0
	71-77	0	0	0	0	0	0	0
D-01-04 22	57-63	1487	1487	1791	1378	2027	1996	2217
	64-70	1869	1359	1195	1567	773	1153	1524
	71-77	1477	2246	158	1533	1839	1270	1453

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

D-01-04 23	57-63	0	0	0	0	0	0	0
	64-70	28	28	85	776	126	31	38
	71-77	43	41	19	41	38	36	36
D-01-04 24	57-63	0	0	1980	1974	2130	1935	1946
	64-70	1712	1431	916	1470	601	1601	1559
	71-77	1346	1589	265	861	1433	1043	966
D-01-04 25	57-63	0	0	0	0	0	0	0
	64-70	464	464	1079	2084	606	520	633
	71-77	710	680	312	686	627	591	594
D-01-04 26	57-63	0	0	0	0	0	0	0
	64-70	820	820	1178	1417	668	920	1119
	71-77	1256	1202	552	1214	1109	1045	1050
D-01-04 27	57-63	19	19	35	40	28	37	36
	64-70	939	922	1755	2663	1776	1023	1253
	71-77	1431	1387	617	1377	1253	1167	1173
D-01-04 28	57-63	0	0	0	0	0	0	0
	64-70	146	146	1192	960	316	163	199
	71-77	223	214	98	216	197	186	187
D-01-04 29	57-63	0	0	0	0	0	0	0
	64-70	5	5	154	427	42	6	7
	71-77	8	8	3	8	7	7	7
D-01-04 32	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	9	0	746	0
D-01-04 33	57-63	0	0	0	0	0	0	0
	64-70	869	869	1758	2011	723	974	1185
	71-77	1330	1273	585	1286	1175	1107	1112
D-01-04 35	57-63	0	63	159	111	122	392	267
	64-70	1193	1079	7483	4262	2030	1723	1036
	71-77	1164	1114	511	1124	1028	968	972
D-01-04 36	57-63	576	576	708	1289	969	906	865
	64-70	3802	3143	4756	7030	3406	2467	4340
	71-77	3972	4042	1722	4371	3543	3877	3311
D-01-05 01	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	71	530	123	823	881	1181	2131
D-01-05 03	57-63	5034	5034	4813	3890	5966	4635	4050
	64-70	6395	3700	1910	5725	31	2609	4973
	71-77	5914	5291	24	3708	3298	4294	3891
D-01-05 04	57-63	2593	2593	2696	2227	1303	1475	1213
	64-70	2066	1457	709	1924	12	1015	1810
	71-77	2235	1942	6	1527	1050	1436	1597
D-01-05 05	57-63	1211	1211	1813	1429	1611	1389	882
	64-70	2273	2342	810	2857	205	1905	2168
	71-77	2238	1687	6	0	0	0	0
D-01-05 06	57-63	2724	2724	2547	2484	3121	2349	1892
	64-70	2630	1693	1747	3245	531	2359	1597
	71-77	2026	1877	57	1238	1293	1729	2385
D-01-05 07	57-63	6059	6059	7161	4014	8179	5915	6543
	64-70	6002	4819	2912	6038	1073	4539	5124
	71-77	5198	4386	14	3406	3645	3419	3639

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

D-01-05 08	57-63	2344	2344	2244	2361	1399	2454	3064
	64-70	4271	3122	2124	7205	1340	2835	4163
	71-77	4788	4299	734	3635	4674	4404	5486
D-01-05 09	57-63	1581	1581	2209	1439	2294	1095	2270
	64-70	2939	1936	801	3412	356	1609	2575
	71-77	3021	2660	0	2022	2225	2454	1864
D-01-05 10	57-63	2570	2570	3591	1947	3391	2483	2084
	64-70	3378	1844	1533	4276	366	2092	2898
	71-77	4048	3249	221	2098	2737	1201	1838
D-01-05 11	57-63	1636	1636	2710	1447	2877	2238	1920
	64-70	520	982	806	2356	9	1092	2049
	71-77	2358	2243	12	1902	1774	1536	1868
D-01-05 12	57-63	3807	3807	5905	4275	5014	5148	5009
	64-70	4806	3330	1481	5573	27	2116	5005
	71-77	6275	5678	85	3634	4382	3852	4611
D-01-05 14	57-63	0	0	0	0	0	0	0
	64-70	963	963	963	1664	784	1080	1314
	71-77	1475	1411	648	1425	1303	1227	1232
D-01-05 15	57-63	3027	3027	4401	2876	4279	3956	3779
	64-70	4024	2814	1323	3577	340	2036	2605
	71-77	3694	2964	97	1977	1197	1846	3313
D-01-05 16	57-63	0	0	0	1883	0	0	0
	64-70	0	0	419	950	158	0	0
	71-77	0	0	0	0	0	0	0
D-01-05 17	57-63	0	0	0	0	0	0	0
	64-70	914	914	975	2413	752	1025	1247
	71-77	1400	1340	615	1353	1237	1165	1170
D-01-05 18	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	19	0	0	0
	71-77	0	0	0	0	0	0	0
D-01-05 19	57-63	284	284	222	64	152	153	859
	64-70	2316	1273	2261	4957	1790	1359	1560
	71-77	1913	1952	739	1637	1413	1395	1786
D-01-05 21	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	1887	1015	1311	1701
	71-77	1919	998	73	578	740	488	555
D-01-05 22	57-63	2007	2007	1808	1182	2251	1858	1736
	64-70	1290	1281	1160	1640	268	895	185
	71-77	712	1822	125	659	611	803	1083
D-01-05 23	57-63	0	0	0	0	0	0	0
	64-70	558	558	1007	1444	709	1028	2242
	71-77	1654	1592	511	1507	1125	1926	1698
D-01-05 24	57-63	6216	6216	6474	4771	4622	6461	6446
	64-70	7033	4264	2862	3321	1556	981	3417
	71-77	4425	4218	153	1763	898	3286	4278
D-01-05 25	57-63	0	0	0	0	0	0	0
	64-70	1731	1731	3462	5218	1802	1700	2502
	71-77	3367	1756	703	2539	3206	3010	2968
D-01-05 26	57-63	0	0	0	0	0	0	0
	64-70	1186	1186	1897	3268	1353	1330	1618
	71-77	1816	1738	798	1755	1604	1511	1518

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

D-01-05 27	57-63	335	335	335	335	335	335	335
	64-70	335	335	335	365	613	598	487
	71-77	513	248	0	0	0	0	250
D-01-05 28	57-63	703	703	703	703	703	703	703
	64-70	703	703	703	215	226	603	672
	71-77	959	698	702	667	915	992	1019
D-01-05 29	57-63	0	261	0	0	0	0	0
	64-70	1513	1513	1934	3329	1660	1696	2064
	71-77	2467	2641	1830	2555	2848	2720	2884
D-01-05 30	57-63	69	69	171	30	146	51	510
	64-70	1604	913	1504	2523	1113	1024	1246
	71-77	1399	1339	615	1352	1236	1164	1169
D-01-05 31	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	6	0	0
	71-77	0	0	0	0	0	0	0
D-01-05 32	57-63	0	0	0	0	0	0	0
	64-70	4738	4738	8946	9802	7950	5673	5720
	71-77	3757	4104	2681	3954	5003	4943	10435
D-01-05 33	57-63	890	890	890	890	890	890	890
	64-70	890	890	890	208	734	698	852
	71-77	1087	951	1048	940	880	1209	1162
D-01-05 34	57-63	3402	3402	3103	3030	5449	4155	4411
	64-70	4000	3654	2748	2596	1497	2927	4447
	71-77	4863	3825	2380	3621	3427	4017	4434
D-01-05 35	57-63	1376	1376	3983	2474	4486	4047	3701
	64-70	3962	2605	1904	2678	1812	1814	2013
	71-77	2202	2426	212	1789	1943	2280	2858
D-01-05 36	57-63	0	0	0	0	0	0	0
	64-70	473	473	473	818	385	531	646
	71-77	725	694	319	701	640	603	606
D-01-06 01	57-63	4978	4978	4978	4978	5958	5565	5642
	64-70	6026	4878	6293	7388	5441	4993	5715
	71-77	5118	4997	4002	5249	4788	4882	3598
D-01-06 02	57-63	1743	1743	1743	1743	1953	1986	1854
	64-70	1803	1545	1650	1246	1212	1382	1644
	71-77	3077	2349	1281	1521	2198	1158	1400
D-01-06 03	57-63	2842	2842	2437	2008	1649	2282	1606
	64-70	0	1163	421	1445	626	1115	2188
	71-77	3253	2458	65	1191	1170	1550	1033
D-01-06 04	57-63	0	0	0	0	0	0	0
	64-70	0	0	108	41	71	0	0
	71-77	0	0	0	0	0	0	0
D-01-06 05	57-63	6189	6189	6105	4362	13241	6551	5713
	64-70	6312	4435	1685	5521	719	3492	6832
	71-77	6703	6077	203	5052	5155	5408	6705
D-01-06 07	57-63	4849	4849	4633	3422	5513	5171	3919
	64-70	2796	1854	1241	3998	18	2298	3449
	71-77	4801	3539	71	2415	2209	848	1884
D-01-06 08	57-63	2454	2454	2877	1684	3364	2763	1860
	64-70	2216	1460	687	2819	0	1494	2533
	71-77	2568	2346	9	1871	1922	1390	2430

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
D-01-06 11	57-63	1138	1138	1138	1138	1483	1606	1295
	64-70	1439	916	1127	1169	488	899	1495
	71-77	1325	1177	980	996	1359	1774	1806
D-01-06 12	57-63	1412	1412	1412	1412	1706	1554	1439
	64-70	1421	1245	2106	1915	1517	907	486
	71-77	1039	2035	1848	2763	2284	2218	2105
D-01-06 13	57-63	0	0	0	0	0	0	0
	64-70	1094	1094	2376	2542	888	981	1068
	71-77	1096	1149	970	1146	1354	1358	1375
D-01-06 15	57-63	0	0	2958	2477	3086	3092	1555
	64-70	2427	728	0	784	857	888	1642
	71-77	1426	1742	91	1466	1511	1769	1906
D-01-06 16	57-63	0	0	0	0	0	0	0
	64-70	510	510	1534	2035	620	572	696
	71-77	781	748	343	755	690	650	653
D-01-06 17	57-63	1518	1518	1570	0	2755	2981	2653
	64-70	2688	1937	496	2908	2	935	718
	71-77	2412	2418	50	975	1534	1402	473
D-01-06 18	57-63	3232	3232	3105	1960	3193	2819	2561
	64-70	854	2111	747	4331	1283	2451	3431
	71-77	4488	3754	1858	3522	3963	3818	4147
D-01-06 19	57-63	0	0	0	0	0	0	0
	64-70	1858	1858	1858	3210	1513	2083	2535
	71-77	2846	2724	1251	2750	2513	2368	2378
D-01-06 21	57-63	2539	2539	4094	3354	5144	5060	4873
	64-70	6475	3872	2630	3692	1271	1615	4940
	71-77	4739	5074	109	3372	3396	2905	4960
D-01-06 22	57-63	0	0	0	0	0	0	0
	64-70	933	933	2711	2649	2299	837	911
	71-77	935	981	828	978	1155	1158	1173
D-01-06 25	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	749	961	886
	71-77	727	774	601	60	716	555	402
D-01-06 27	57-63	816	816	816	816	782	613	678
	64-70	589	429	380	235	372	455	526
	71-77	478	533	390	619	659	578	565
D-01-06 29	57-63	0	0	0	0	0	0	0
	64-70	699	699	1117	1598	1072	627	682
	71-77	700	735	620	732	866	868	879
D-01-06 31	57-63	0	0	0	0	0	0	0
	64-70	221	221	695	1229	506	248	301
	71-77	338	324	149	327	299	281	283
D-01-06 32	57-63	0	0	0	0	0	0	0
	64-70	397	397	694	1403	354	445	541
	71-77	608	582	267	587	537	506	508
D-01-06 34	57-63	2489	2489	2489	2489	2838	2738	2613
	64-70	2478	1868	2477	2160	3073	3401	3239
	71-77	4028	6149	2990	3694	3279	2749	2373
D-01-06 36	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	1770	1598	1501
	71-77	1556	631	818	116	905	778	285

TABLE A1 P U M P A G E PAGE 42

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
D-01-07 03	57-63	0	0	0	0	0	0	0
	64-70	0	0	1250	1236	1287	0	0
	71-77	0	0	0	0	0	0	0
D-01-07 04	57-63	0	0	0	0	0	0	0
	64-70	1204	1204	2518	2607	2405	1381	1443
	71-77	1289	1185	1223	1467	763	1794	1855
D-01-07 05	57-63	0	0	0	0	0	0	0
	64-70	0	0	2672	2324	2219	0	0
	71-77	0	0	0	0	0	0	0
D-01-07 06	57-63	0	0	0	0	0	0	0
	64-70	1014	1014	6466	2280	2569	1163	1215
	71-77	1085	998	1030	1235	643	854	836
D-01-07 07	57-63	1027	1027	1027	1027	1067	937	802
	64-70	4182	4074	4855	7434	6723	4934	5618
	71-77	5207	4665	4414	5535	3465	3592	3767
D-01-07 17	57-63	359	359	359	359	385	416	342
	64-70	199	359	140	35	32	35	36
	71-77	32	30	31	37	19	26	25
D-01-07 18	57-63	1636	1636	1636	1636	1918	1944	1818
	64-70	1506	1557	1257	1236	1041	701	1072
	71-77	1328	1294	982	1352	1290	951	930
D-01-07 19	57-63	5285	5285	5285	5243	5257	5557	5271
	64-70	4356	2907	3794	4732	4048	3739	5029
	71-77	5284	4886	3717	5040	4859	4250	3963
D-01-07 23	57-63	0	0	0	1273	1305	1280	1090
	64-70	1163	918	1146	1068	794	969	1255
	71-77	814	619	390	663	706	517	634
D-01-07 30	57-63	0	0	0	0	0	0	0
	64-70	51	51	51	60	55	55	55
	71-77	55	49	44	42	1277	2328	2433
D-01-07 31	57-63	0	0	0	0	0	0	0
	64-70	1804	1804	1804	2122	1934	1934	1934
	71-77	1934	1744	1568	1483	1507	1600	1112
D-01-07 36	57-63	1009	1009	1009	1009	1325	1108	1135
	64-70	689	316	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
D-02-02 16	57-63	0	0	0	0	0	0	0
	64-70	19	19	237	240	182	17	18
	71-77	19	20	17	20	23	23	23
D-02-03 01	57-63	0	0	0	0	0	0	0
	64-70	3784	3784	4861	5206	3906	3395	3692
	71-77	3790	3976	3355	3963	4683	4695	4757
D-02-03 02	57-63	0	0	0	0	0	0	0
	64-70	990	990	1846	1922	1560	888	966
	71-77	992	1040	878	1037	1226	1228	1245
D-02-03 09	57-63	0	0	0	0	0	0	0
	64-70	1809	1809	3835	3460	2191	1623	1764
	71-77	1811	1900	1603	1894	2239	2244	2273
D-02-03 11	57-63	0	0	0	0	0	0	0
	64-70	2370	2370	3263	4261	1977	2126	2312
	71-77	2374	2491	2102	2483	2933	2940	2979

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

D-02-03 25	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	2707	2564	2669
	71-77	1247	1727	1368	1552	1167	1121	1252
D-02-03 26	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	626	609	574
	71-77	310	581	367	334	337	280	325
D-02-04 01	57-63	0	0	0	0	0	0	0
	64-70	5496	5496	5496	9498	6151	7675	9285
	71-77	11475	11756	4759	9239	8590	8190	7806
D-02-04 06	57-63	0	0	0	0	0	0	0
	64-70	5448	5448	7004	7492	5834	4887	5314
	71-77	5455	5723	4829	5705	6743	6758	6847
D-02-04 11	57-63	0	0	0	0	0	0	0
	64-70	0	0	392	759	608	0	0
	71-77	0	0	0	0	0	0	0
D-02-04 12	57-63	0	0	0	0	0	0	0
	64-70	2	2	2551	3093	2272	1	2
	71-77	2	2	1	2	2	2	2
D-02-04 13	57-63	0	0	0	0	0	0	0
	64-70	4391	4391	7764	7693	6514	3940	4284
	71-77	4398	4614	3892	4599	5435	5447	5519
D-02-04 14	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	816	1051	1211
	71-77	0	0	0	0	0	0	0
D-02-04 24	57-63	0	0	0	0	0	0	0
	64-70	868	868	2224	2379	2056	779	847
	71-77	869	912	769	909	1074	1077	1091
D-02-04 25	57-63	0	0	0	0	0	0	0
	64-70	3502	3502	6347	7457	5337	3143	3418
	71-77	3509	3680	3105	3669	4336	4346	4404
D-02-04 30	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	723	674	831
	71-77	385	557	416	251	368	433	189
D-02-04 36	57-63	0	0	0	0	0	0	0
	64-70	805	805	1572	2256	1909	722	785
	71-77	806	845	713	843	996	998	1011
D-02-05 01	57-63	0	0	0	0	0	0	0
	64-70	456	456	987	1302	1058	409	445
	71-77	457	479	404	478	565	566	573
D-02-05 02	57-63	0	366	1424	1126	1359	2911	1950
	64-70	3632	1787	1341	1200	1132	1335	1513
	71-77	1600	1584	306	1796	2441	2333	2400
D-02-05 03	57-63	0	0	0	0	0	0	0
	64-70	47	47	47	48	38	42	46
	71-77	47	49	42	49	58	58	59
D-02-05 04	57-63	2165	2165	2410	1653	2087	1431	1407
	64-70	9144	9200	14571	16693	12351	9690	10683
	71-77	8748	8063	4756	7998	9918	9637	17609
D-02-05 05	57-63	0	11	11	0	48	33	39
	64-70	834	795	1588	1989	647	891	1085
	71-77	1218	1165	535	1177	1075	1013	1018

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

D-02-05 06	57-63	0	0	0	0	0	0	0
	64-70	160	160	918	836	358	180	219
	71-77	246	235	108	238	217	205	205
D-02-05 07	57-63	0	0	0	0	0	0	0
	64-70	2303	2303	3579	6440	3468	2583	3142
	71-77	3528	3377	1550	3409	3116	2936	2948
D-02-05 08	57-63	0	0	0	0	0	0	0
	64-70	1511	1511	1995	1893	2091	1474	1468
	71-77	920	881	841	1009	1377	1306	3638
D-02-05 09	57-63	0	0	0	0	0	0	0
	64-70	4442	4442	7937	12324	8077	4595	5020
	71-77	4360	4174	2682	4424	4840	4574	7837
D-02-05 11	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	134	957	1165	1456	1631
D-02-05 12	57-63	0	0	0	0	0	0	0
	64-70	0	0	1436	1813	1770	0	0
	71-77	0	0	0	0	0	0	0
D-02-05 14	57-63	0	0	0	0	0	0	0
	64-70	0	0	1272	1110	583	0	0
	71-77	0	0	0	0	0	0	0
D-02-05 16	57-63	0	0	0	0	0	0	0
	64-70	572	572	572	988	465	641	780
	71-77	876	838	385	847	774	729	732
D-02-05 17	57-63	0	0	0	0	0	0	0
	64-70	6726	6726	14421	13844	13476	6716	6532
	71-77	5347	5194	4459	4489	6125	5810	12763
D-02-05 18	57-63	0	0	0	0	0	0	0
	64-70	2374	2374	4532	4998	3951	2316	2305
	71-77	2290	1383	1321	1585	2162	2050	4768
D-02-05 19	57-63	0	0	0	0	0	0	0
	64-70	1252	1252	3118	2776	2134	1222	1216
	71-77	762	730	697	836	1140	1082	2654
D-02-05 20	57-63	0	0	0	0	0	0	0
	64-70	13858	13858	24750	25546	23718	13519	13459
	71-77	8432	8077	7711	9250	12621	11970	30666
D-02-05 21	57-63	0	0	0	0	0	0	0
	64-70	1043	1043	2261	2417	2030	936	1017
	71-77	1044	1096	925	1092	1291	1294	1311
D-02-05 22	57-63	0	0	0	0	0	0	0
	64-70	4868	4868	7841	10159	6353	4978	5809
	71-77	6321	6248	3733	6279	6339	6131	6182
D-02-05 24	57-63	0	0	0	7	716	2252	1990
	64-70	1505	3180	2933	3373	2256	2546	2193
	71-77	1736	1581	994	1297	1995	1393	1152
D-02-05 26	57-63	0	0	0	0	0	0	0
	64-70	0	0	442	515	413	0	0
	71-77	0	0	0	0	0	0	0
D-02-05 27	57-63	0	0	0	0	0	0	0
	64-70	1055	1055	2580	3142	2806	947	1030
	71-77	1058	1110	936	1106	1307	1310	1328

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

D-02-05 28	57-63	0	0	0	0	0	0	0
	64-70	1137	1137	2004	2476	2331	1020	1109
	71-77	1138	1195	1008	1191	1407	1410	1429
D-02-05 29	57-63	0	0	0	0	0	0	0
	64-70	1428	1428	3604	4248	3250	1393	1387
	71-77	869	832	795	953	1300	1233	3796
D-02-05 32	57-63	0	0	0	0	0	0	0
	64-70	2187	2187	6085	5730	6366	2134	2124
	71-77	1330	1275	1217	1460	1992	1889	6116
D-02-05 33	57-63	0	0	0	0	0	0	0
	64-70	40	40	40	70	33	45	55
	71-77	62	59	27	60	55	52	52
D-02-05 34	57-63	0	0	0	0	0	0	0
	64-70	164	164	1621	2101	1366	147	161
	71-77	164	173	146	172	203	204	207
D-02-05 35	57-63	0	0	0	0	0	0	0
	64-70	690	690	1287	1081	813	619	673
	71-77	691	725	612	723	855	856	868
D-02-05 36	57-63	0	0	0	0	0	0	0
	64-70	493	493	656	799	471	442	481
	71-77	493	518	437	516	610	611	619
D-02-06 02	57-63	659	659	2379	2379	2666	2340	1980
	64-70	1640	1318	1150	1374	2383	2568	2443
	71-77	934	1048	1097	1273	1109	1911	1845
D-02-06 04	57-63	636	636	636	636	661	604	441
	64-70	1126	1085	2250	2461	2382	1098	1324
	71-77	1110	925	1021	1198	1560	1464	1452
D-02-06 06	57-63	2513	2513	2513	2513	2486	2412	2541
	64-70	2278	2059	2098	1902	1699	2074	1623
	71-77	1738	2317	1727	2603	2595	2440	3811
D-02-06 07	57-63	2218	2218	2218	2218	2501	2359	1949
	64-70	1905	2276	2067	2221	1548	2189	2001
	71-77	1441	2248	1914	2620	2730	2704	4331
D-02-06 08	57-63	1747	3407	3407	3407	3416	3533	2833
	64-70	3080	2228	2578	3384	2455	1684	1267
	71-77	2834	2480	1038	1185	1212	1259	1144
D-02-06 09	57-63	1320	1320	1320	1320	1175	1005	989
	64-70	1884	2110	3095	2956	2316	1792	1339
	71-77	1932	1620	1128	1332	3509	3155	2626
D-02-06 10	57-63	2162	2162	2162	2162	2833	2616	2393
	64-70	2716	2361	1997	1749	650	969	1627
	71-77	1468	1583	1601	2011	1500	725	688
D-02-06 11	57-63	0	0	0	1664	2098	1795	1894
	64-70	2086	1767	2824	3347	4020	2128	2206
	71-77	2170	2121	1909	2692	2406	2046	2142
D-02-06 12	57-63	0	0	0	0	0	0	0
	64-70	736	736	1723	2446	2776	2547	2571
	71-77	2298	2396	2222	2734	2323	2266	2201
D-02-06 13	57-63	0	0	0	0	0	0	0
	64-70	508	508	1699	2008	4561	3300	2479
	71-77	2192	2140	2033	2495	2275	2429	2205

LOCATIONS	YEARS	PUMPAGE VALUES USED IN THE MODEL						
D-02-06 14	57-63	0	0	0	0	0	0	0
	64-70	605	605	605	1085	1576	2094	2113
	71-77	1890	1971	1827	2248	1909	1865	1810
D-02-06 15	57-63	954	954	954	954	1274	1862	2125
	64-70	1955	1546	2109	1204	1712	1167	1621
	71-77	1529	1634	1081	1945	2171	1694	1781
D-02-06 16	57-63	1665	1989	2432	1954	2027	1309	2087
	64-70	2250	2212	1874	973	1337	1337	1337
	71-77	1731	1428	1501	1473	1428	1518	1096
D-02-06 17	57-63	1020	1020	1020	1020	1205	1203	983
	64-70	3646	3672	4378	4828	3756	3314	4937
	71-77	3533	3781	3063	3990	4490	4347	3390
D-02-06 18	57-63	0	0	0	1953	1695	1618	1761
	64-70	3403	4496	4398	4361	1735	4772	3843
	71-77	3623	4500	3066	4053	5932	4803	4901
D-02-06 19	57-63	1513	1513	1513	1513	2463	2252	1824
	64-70	1580	1303	1997	1671	1348	1251	1756
	71-77	1823	1609	1261	1778	1503	1614	1151
D-02-06 21	57-63	0	0	0	0	0	0	0
	64-70	898	898	1452	1467	1049	805	876
	71-77	899	943	796	940	1111	1114	1129
D-02-06 22	57-63	1258	1258	1258	1258	1634	1359	1311
	64-70	2055	1991	4212	3296	2981	1375	995
	71-77	1692	1440	1833	2172	1932	1258	1280
D-02-06 23	57-63	0	0	0	0	0	0	0
	64-70	515	515	1831	1350	1241	632	715
	71-77	796	757	725	1015	867	847	1580
D-02-06 24	57-63	0	0	0	0	0	0	0
	64-70	648	648	1592	1151	1822	796	1316
	71-77	1002	952	912	1278	1090	1066	2116
D-02-06 25	57-63	0	0	0	0	0	0	0
	64-70	4387	4387	6302	5224	7202	6312	5399
	71-77	5870	5746	5302	7103	6637	6536	12003
D-02-06 26	57-63	0	0	0	0	0	0	0
	64-70	105	105	1140	161	163	128	145
	71-77	162	154	147	206	176	172	451
D-02-06 28	57-63	738	738	738	738	667	861	45
	64-70	246	246	2245	2668	4073	2092	2148
	71-77	1510	1990	1405	1758	1379	1089	1010
D-02-06 29	57-63	1285	1285	1285	0	1306	1187	1300
	64-70	1232	347	971	722	21	848	698
	71-77	1051	873	700	1013	857	793	766
D-02-06 31	57-63	0	0	0	0	0	0	0
	64-70	1456	1456	1456	1481	1707	1306	1420
	71-77	1457	1530	1290	1524	1801	1805	1830
D-02-06 32	57-63	0	0	0	0	0	0	0
	64-70	0	0	520	114	0	0	0
	71-77	0	0	0	0	0	0	0
D-02-06 33	57-63	761	761	761	761	916	933	797
	64-70	3563	4803	3951	3564	3023	3044	3729
	71-77	3244	3259	2902	3587	3118	2644	3837

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

D-02-06 34	57-63	0	0	0	0	0	0	0
	64-70	1034	1034	2489	3976	4351	1269	1436
	71-77	1598	1519	1455	2039	1740	1700	4051
D-02-06 35	57-63	0	0	0	0	0	0	0
	64-70	487	487	487	487	512	598	676
	71-77	753	716	685	960	820	801	1872
D-02-06 36	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	2540	0	2820
D-02-07 01	57-63	0	0	0	0	0	0	0
	64-70	2066	2066	3717	4845	4723	3136	2848
	71-77	2624	3313	3093	4588	2773	2681	2593
D-02-07 02	57-63	0	0	0	0	0	0	0
	64-70	1623	1623	3277	4460	4177	2464	2237
	71-77	2061	2604	2430	3606	2180	2108	2038
D-02-07 03	57-63	0	0	0	0	0	0	0
	64-70	1496	1496	2367	3484	4463	3238	3185
	71-77	2950	3600	3322	4508	3228	2643	2541
D-02-07 04	57-63	0	0	0	0	0	0	0
	64-70	551	551	1957	2627	2498	836	759
	71-77	700	883	825	1224	740	715	692
D-02-07 05	57-63	0	0	0	0	0	0	0
	64-70	820	820	1540	1802	2607	1243	1129
	71-77	1040	1314	1226	1819	1100	1064	1029
D-02-07 06	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	665	605	573
	71-77	540	587	569	831	792	551	675
D-02-07 07	57-63	0	0	0	0	0	0	0
	64-70	1166	1166	1620	2264	3473	3015	2836
	71-77	2331	2374	2181	3263	1682	1513	1463
D-02-07 08	57-63	0	0	0	0	0	0	0
	64-70	0	0	784	867	831	0	0
	71-77	0	0	0	0	0	0	0
D-02-07 09	57-63	0	0	0	0	0	0	0
	64-70	686	686	3471	3979	4071	1149	1193
	71-77	1129	1180	1052	1274	1249	1234	1223
D-02-07 10	57-63	0	0	0	0	0	0	0
	64-70	143	143	737	878	931	496	500
	71-77	448	467	433	532	452	441	429
D-02-07 11	57-63	0	0	0	0	0	0	0
	64-70	504	504	890	1409	3336	2740	2843
	71-77	2688	3022	2459	3453	3177	2170	1975
D-02-07 12	57-63	0	0	0	0	0	0	0
	64-70	3758	3758	5999	5627	5384	4630	4432
	71-77	4176	4554	4257	5871	3878	3579	3229
D-02-07 13	57-63	0	0	0	0	0	0	0
	64-70	658	658	3168	4044	1717	2279	2300
	71-77	2057	2145	1987	2447	2078	2029	1970
D-02-07 14	57-63	0	0	0	0	0	0	0
	64-70	132	132	875	826	342	455	459
	71-77	410	428	397	488	415	405	393

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

D-02-07 15	57-63	0	0	0	0	0	0	0
	64-70	788	788	2447	4306	3633	2728	2753
	71-77	2461	2568	2378	2928	2487	2427	2356
D-02-07 16	57-63	4840	2177	1977	1821	2299	2146	3185
	64-70	1925	1862	1800	1206	0	0	0
	71-77	1591	1671	1597	870	1433	1433	3011
D-02-07 17	57-63	0	0	0	0	0	0	0
	64-70	2111	2111	3732	5195	5079	3202	2909
	71-77	2681	3386	3160	4688	2834	2740	2649
D-02-07 18	57-63	0	0	0	0	0	0	0
	64-70	492	492	1098	1505	2483	1880	4630
	71-77	625	789	736	1092	1514	1515	1510
D-02-07 19	57-63	0	0	0	0	0	0	0
	64-70	163	163	664	1114	780	564	569
	71-77	509	531	492	606	514	502	488
D-02-07 20	57-63	0	0	0	0	0	0	0
	64-70	371	371	1077	1303	1472	563	511
	71-77	472	595	556	824	498	482	466
D-02-07 21	57-63	0	0	0	0	0	0	0
	64-70	599	599	1121	1388	2522	2757	2586
	71-77	2440	2705	2395	3105	1474	1437	1394
D-02-07 22	57-63	0	0	0	0	0	0	0
	64-70	654	654	2461	3299	3774	992	901
	71-77	830	1048	978	1452	878	848	821
D-02-07 23	57-63	0	0	0	0	0	0	0
	64-70	1603	1603	2943	3428	3437	2019	1941
	71-77	1857	2203	1992	2777	2082	2042	2014
D-02-07 24	57-63	0	0	0	0	0	0	0
	64-70	1950	1950	1950	2666	2721	2957	2686
	71-77	2476	3125	2917	4328	2617	2530	2447
D-02-07 25	57-63	0	0	0	0	0	0	0
	64-70	976	976	1525	1975	2025	1481	1345
	71-77	1240	1565	1461	2168	1311	1267	1225
D-02-07 26	57-63	0	0	0	0	0	0	0
	64-70	581	581	1213	1375	2390	1886	1786
	71-77	738	932	870	1290	780	754	729
D-02-07 27	57-63	0	0	0	0	0	0	0
	64-70	270	270	845	1343	2538	1984	1646
	71-77	1587	1263	1287	1593	1439	1782	1381
D-02-07 28	57-63	0	0	0	0	0	0	0
	64-70	0	0	761	680	692	0	0
	71-77	0	0	0	0	0	0	0
D-02-07 29	57-63	0	0	0	0	0	0	0
	64-70	92	92	92	93	3991	3874	2964
	71-77	2531	3087	3488	3502	2940	3150	3266
D-02-07 30	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	60	71	59
	71-77	31	41	50	15	0	0	0
D-02-07 31	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	5218	0	4214

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

D-02-07 33	57-63	0	0	0	0	0	0	0
	64-70	486	486	1110	1329	1607	737	669
	71-77	617	779	727	1079	652	631	610
D-02-07 34	57-63	0	0	0	0	0	0	0
	64-70	880	880	1430	1819	1843	1336	1214
	71-77	1118	1412	1318	1956	1182	1143	1105
D-02-07 35	57-63	0	0	0	0	0	0	0
	64-70	1669	1669	4182	5080	4990	2533	2300
	71-77	2118	2675	2499	3706	2241	2166	2094
D-02-07 36	57-63	0	0	0	0	0	0	0
	64-70	2107	2107	2702	2599	2638	2800	2627
	71-77	2454	2834	2647	3763	2395	2253	2094
D-02-08 04	57-63	0	0	0	0	0	0	0
	64-70	940	940	1832	2406	2231	1426	1295
	71-77	1194	1507	1407	2088	1262	1220	1180
D-02-08 07	57-63	0	0	0	0	0	0	0
	64-70	1184	1184	1184	1620	1654	1797	1632
	71-77	1504	1899	1773	2630	1591	1537	1487
D-02-08 08	57-63	0	0	0	0	0	0	0
	64-70	326	326	1333	2309	2340	495	449
	71-77	414	523	488	724	438	423	409
D-02-08 09	57-63	0	0	0	0	0	0	0
	64-70	1308	1308	2635	3384	3671	1985	1803
	71-77	1661	2098	1958	2906	1756	1698	1642
D-02-08 16	57-63	708	769	698	643	813	758	1125
	64-70	680	657	2002	1638	1268	0	0
	71-77	0	0	0	0	506	506	506
D-02-08 17	57-63	0	0	0	0	0	0	0
	64-70	145	145	1757	2712	2589	221	200
	71-77	185	233	218	323	195	189	183
D-02-08 18	57-63	0	0	0	0	0	0	0
	64-70	2653	2653	4659	5988	3790	4395	4452
	71-77	4122	4043	3766	4629	3750	3486	3163
D-02-08 19	57-63	0	0	0	0	0	0	0
	64-70	974	974	2545	3122	3365	1780	1671
	71-77	1526	1818	1694	2396	1590	1542	1493
D-02-08 20	57-63	0	0	0	0	0	0	0
	64-70	1718	1718	3490	4738	4621	2606	2367
	71-77	2181	2754	2571	3814	2305	2229	2155
D-02-08 21	57-63	0	0	0	0	0	0	0
	64-70	1518	1518	1518	2077	2119	2304	2092
	71-77	1928	2434	2272	3371	2038	1970	1905
D-02-08 22	57-63	0	0	0	0	0	0	0
	64-70	2101	2101	2101	2874	2934	3188	2897
	71-77	2668	3370	3145	4666	2822	2728	2638
D-02-08 27	57-63	0	0	0	0	0	0	0
	64-70	506	506	1099	2233	1467	768	697
	71-77	643	811	757	1124	679	657	635
D-02-08 28	57-63	0	0	0	0	0	0	0
	64-70	2229	2229	3648	4914	5038	3385	3073
	71-77	2831	3577	3339	4953	2994	2895	2800

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

D-02-08 29	57-63	0	0	0	0	0	0	0
	64-70	904	904	904	904	904	904	920
	71-77	888	807	757	928	704	607	486
D-02-08 30	57-63	0	0	0	0	0	0	0
	64-70	2223	2223	3498	5176	5958	3372	3064
	71-77	2823	3563	3327	4936	2984	2884	2790
D-02-08 31	57-63	0	0	0	0	0	0	0
	64-70	2101	2101	3076	3975	4093	3188	2896
	71-77	2669	3369	3145	4667	2821	2727	2637
D-02-08 32	57-63	0	0	0	0	0	0	0
	64-70	2433	2433	3864	6161	6198	3693	3355
	71-77	3091	3903	3644	5406	3268	3160	3055
D-02-08 33	57-63	0	0	0	0	0	0	0
	64-70	3093	3093	5746	5635	7500	4695	4263
	71-77	3928	4961	4631	6871	4154	4015	3884
D-02-08 34	57-63	0	0	0	0	0	0	0
	64-70	1079	1079	2423	3167	3277	1637	1486
	71-77	1369	1730	1614	2396	1449	1400	1354
D-02-08 35	57-63	0	0	0	0	0	0	0
	64-70	464	464	1788	2182	648	704	639
	71-77	589	744	695	1031	623	602	582
D-02-09 36	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	166	184	184
D-03-07 01	57-63	0	0	0	0	0	0	0
	64-70	364	364	1173	1502	1526	552	501
	71-77	462	583	544	807	488	472	456
D-03-07 02	57-63	0	0	0	0	0	0	0
	64-70	1058	1058	2114	2853	2765	1606	1459
	71-77	1344	1697	1584	2351	1421	1374	1329
D-03-07 12	57-63	0	0	0	0	0	0	0
	64-70	2569	2569	6015	7093	5790	3899	3540
	71-77	3262	4119	3845	5705	3449	3335	3225
D-03-08 01	57-63	0	0	0	0	0	0	0
	64-70	766	766	766	1048	1070	1163	1056
	71-77	973	1228	1147	1701	1029	994	962
D-03-08 02	57-63	0	0	0	0	0	0	0
	64-70	1373	1373	1980	3017	3270	2084	1893
	71-77	1744	2202	2056	3050	1844	1783	1724
D-03-08 04	57-63	0	0	0	0	0	0	0
	64-70	1766	1766	4071	5354	5166	2681	2435
	71-77	2243	2833	2645	3925	2373	2293	2218
D-03-08 06	57-63	0	0	0	0	0	0	0
	64-70	2450	2450	2450	2450	2450	2450	2494
	71-77	2407	2189	2052	2518	1910	1646	1317
D-03-08 07	57-63	0	0	0	0	0	0	0
	64-70	1544	1544	1544	1544	1544	1544	1571
	71-77	1517	1379	1293	1586	1204	1037	830
D-03-08 08	57-63	0	0	0	0	0	0	0
	64-70	1992	1992	1992	1992	1992	1992	2027
	71-77	1956	1779	1668	2046	1553	1338	1070

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

D-03-08 10	57-63	0	0	0	0	0	0	0
	64-70	2681	2681	4650	5586	5865	4069	3695
	71-77	3405	4299	4014	5956	3600	3481	3366
D-03-08 11	57-63	0	0	0	0	0	0	0
	64-70	112	112	2044	2058	1645	169	154
	71-77	142	179	167	248	150	145	140
D-03-08 12	57-63	0	0	0	0	0	0	0
	64-70	0	0	994	1192	966	0	0
	71-77	0	0	0	0	0	0	0
D-03-08 13	57-63	0	0	0	0	0	0	0
	64-70	2897	2897	5526	7592	7298	4397	3993
	71-77	3679	4647	4337	6434	3889	3760	3637
D-03-08 14	57-63	0	0	0	0	0	0	0
	64-70	2342	2342	2342	4211	4033	3553	3226
	71-77	2973	3754	3504	5200	3144	3038	2939
D-03-08 15	57-63	0	0	0	0	0	0	0
	64-70	1007	1007	2542	3446	2918	1529	1389
	71-77	1279	1615	1508	2238	1352	1308	1265
D-03-08 17	57-63	0	0	0	0	0	0	0
	64-70	2207	2207	3821	4946	3461	2239	2269
	71-77	2185	2015	1889	2341	1755	1521	1231
D-03-08 20	57-63	0	0	0	0	0	0	0
	64-70	0	0	1284	877	1597	0	0
	71-77	0	0	0	0	0	0	0
D-03-08 21	57-63	0	0	0	0	0	0	0
	64-70	0	0	4162	5427	5321	0	0
	71-77	0	0	0	0	0	0	0
D-03-08 22	57-63	0	0	0	0	0	0	0
	64-70	1156	1156	3192	4158	3646	1754	1594
	71-77	1468	1855	1732	2569	1553	1502	1452
D-03-08 23	57-63	0	0	0	0	0	0	0
	64-70	173	173	785	1081	894	263	239
	71-77	220	278	259	385	232	225	217
D-03-08 24	57-63	0	0	0	0	0	0	0
	64-70	1266	1266	1266	1733	1768	1921	1745
	71-77	1607	2030	1895	2812	1699	1644	1590
D-03-08 25	57-63	0	0	0	0	0	0	0
	64-70	934	934	3241	4166	3661	1417	1287
	71-77	1186	1498	1398	2074	1254	1212	1172
D-03-08 26	57-63	0	0	0	0	0	0	0
	64-70	0	0	2056	1810	1456	0	0
	71-77	0	0	0	0	0	0	0
D-03-08 35	57-63	0	0	0	0	0	0	0
	64-70	0	0	375	442	0	0	0
	71-77	0	0	0	0	0	0	0
D-03-08 36	57-63	0	0	0	0	0	0	0
	64-70	448	448	1248	1349	939	680	618
	71-77	569	718	671	995	602	582	563
D-03-09 02	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	200	166	184	184

LOCATIONS YEARS PUMPAGE VALUES USED IN THE MODEL

D-03-09 20	57-63	0	0	0	0	0	0	0
	64-70	3981	3981	3981	4329	4356	4470	4393
	71-77	4182	4228	3957	5218	3636	3266	2818
D-03-09 28	57-63	0	0	0	0	0	0	0
	64-70	413	413	1524	1052	1546	626	568
	71-77	523	661	617	915	554	536	518
D-03-09 29	57-63	0	0	0	0	0	0	0
	64-70	2317	2317	2317	2317	2317	2317	2358
	71-77	2276	2070	1940	2381	1807	1556	1245
D-03-09 30	57-63	0	0	0	0	0	0	0
	64-70	1417	1417	2478	4309	3789	2151	1954
	71-77	1800	2273	2122	3148	1903	1840	1780
D-03-09 31	57-63	0	0	0	0	0	0	0
	64-70	6247	6247	6247	6247	6247	6247	6358
	71-77	6136	5581	5231	6417	4871	4196	3357
D-03-09 32	57-63	0	0	0	0	0	0	0
	64-70	1007	1007	1530	2233	2109	1528	1387
	71-77	1278	1614	1507	2236	1352	1307	1263
D-03-09 34	57-63	0	0	0	0	0	0	0
	64-70	6168	6168	9731	11232	11868	8275	7744
	71-77	7230	8401	7849	11194	7101	6692	6236
D-04-09 03	57-63	0	0	0	0	0	0	0
	64-70	4525	4525	4525	4525	4525	4525	4605
	71-77	4444	4042	3788	4648	3527	3039	2432
D-04-09 04	57-63	0	0	0	0	0	0	0
	64-70	2482	2482	2482	2482	2482	2482	2526
	71-77	2438	2218	2078	2550	1934	1667	1334
D-04-09 05	57-63	0	0	0	0	0	0	0
	64-70	2150	2150	2150	2150	2150	2150	2189
	71-77	2112	1922	1801	2209	1676	1444	1156

TABLE A2 MAXIMUM POTENTIAL RECHARGE PAGE 1

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-01-01 01	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 02	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 03	57-63	1340	2062	1759	1556	1464	1451	1512
	64-70	1748	785	1396	772	766	751	1510
	71-77	1603	1431	1392	1314	1343	1422	1065
A-01-01 04	57-63	1340	2062	1759	1556	1464	1451	1512
	64-70	1748	785	1396	772	766	751	1510
	71-77	1603	1431	1392	1314	1343	1422	1065
A-01-01 05	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 06	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 07	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 08	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 09	57-63	1340	2062	1759	1556	1464	1451	1512
	64-70	1748	785	1396	772	766	751	1510
	71-77	1603	1431	1392	1314	1343	1422	1065
A-01-01 10	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 11	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 12	57-63	1340	2062	1759	1556	1464	1451	1512
	64-70	1748	785	1396	772	766	751	1510
	71-77	1603	1431	1392	1314	1343	1422	1065
A-01-01 13	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 14	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 15	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 16	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 17	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-01-01 18	57-63	1340	2062	1759	1556	1464	1451	1512
	64-70	1748	785	1396	772	766	751	1510
	71-77	1603	1431	1392	1314	1343	1422	1065
A-01-01 19	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 20	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 21	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 22	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 23	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 24	57-63	1340	2062	1759	1556	1464	1451	1512
	64-70	1748	785	1396	772	766	751	1510
	71-77	1603	1431	1392	1314	1343	1422	1065
A-01-01 25	57-63	1317	2036	1745	4671	4679	4745	4826
	64-70	4672	2331	3313	2567	2576	3338	3931
	71-77	4122	4240	9657	5680	5208	5566	4648
A-01-01 26	57-63	1317	2036	1745	4671	4679	4745	4826
	64-70	4672	2331	3313	2567	2576	3338	3931
	71-77	4122	4240	9657	5680	5208	5566	4648
A-01-01 27	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 28	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 29	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 30	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01 31	57-63	1317	2036	1745	1990	1956	1982	2030
	64-70	2312	1047	3383	2947	2566	3048	3731
	71-77	3712	3710	6221	4520	4178	4746	4618
A-01-01 32	57-63	1317	2036	1745	1990	1956	1982	2030
	64-70	2312	1047	3383	2947	2566	3048	3731
	71-77	3712	3710	6221	4520	4178	4746	4618
A-01-01 33	57-63	1317	2036	1745	1990	1956	1982	2030
	64-70	2312	1047	3383	2947	2566	3048	3731
	71-77	3712	3710	6221	4520	4178	4746	4618
A-01-01 34	57-63	1317	2036	1745	4671	4679	4745	4726
	64-70	4672	2331	3313	2567	2576	3338	3931
	71-77	4122	4240	9657	5680	5208	5566	4648
A-01-01 35	57-63	1317	2036	1745	4671	4679	4745	4726
	64-70	4672	2331	3313	2567	2576	3338	3931
	71-77	4122	4240	9657	5680	5208	5566	4648

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-01-01 36	57-63	1317	2036	1733	4671	4679	4745	4726
	64-70	4672	2331	2719	2084	2576	3052	3931
	71-77	4122	4240	5188	5288	5208	5566	4648
A-01-02 01	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 02	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 03	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 04	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 05	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 06	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 07	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 08	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 09	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 10	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 11	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 12	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 13	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 14	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 15	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 16	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 17	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-01-02 18	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 19	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 20	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 21	57-63	950	1467	1262	4243	4279	4348	4312
	64-70	4192	2120	2933	2359	2371	3137	3547
	71-77	3717	3879	9307	5349	4869	5208	4462
A-01-02 22	57-63	950	1467	1262	4243	4279	4348	4312
	64-70	4192	2120	2933	2359	2371	3137	3547
	71-77	3717	3879	9307	5349	4869	5208	4462
A-01-02 23	57-63	950	1467	1262	1103	1039	1028	1072
	64-70	1242	550	1583	1019	531	807	1097
	71-77	1167	1039	5477	1339	969	1028	842
A-01-02 24	57-63	950	1467	1262	1103	1039	1028	1072
	64-70	1242	550	1583	1019	531	807	1097
	71-77	1167	1039	5477	1339	969	1028	842
A-01-02 25	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 26	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 27	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 28	57-63	950	1467	1262	1103	1039	1028	1072
	64-70	1242	550	1583	1019	531	807	1097
	71-77	1167	1039	5477	1339	969	1028	842
A-01-02 29	57-63	950	1467	1262	4243	4279	4348	4312
	64-70	4192	2120	2933	2359	2371	3137	3547
	71-77	3717	3879	9307	5349	4869	5208	4462
A-01-02 30	57-63	950	1467	1262	4243	4279	4348	4312
	64-70	4192	2120	2933	2359	2371	3137	3547
	71-77	3717	3879	9307	5349	4869	5208	4462
A-01-02 31	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 32	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 33	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 34	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 35	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-01-02 36	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-03 01	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 02	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 03	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 04	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 05	57-63	400	619	525	453	439	433	450
	64-70	522	231	417	226	224	219	442
	71-77	469	417	406	381	392	414	339
A-01-03 06	57-63	453	676	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 07	57-63	400	619	525	453	439	433	450
	64-70	522	231	417	226	224	219	442
	71-77	469	417	406	381	392	414	339
A-01-03 08	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 09	57-63	400	619	525	453	439	433	450
	64-70	522	231	417	226	224	219	442
	71-77	469	417	406	381	392	414	339
A-01-03 10	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 11	57-63	453	679	584	510	497	482	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 12	57-63	453	679	584	510	497	482	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 13	57-63	400	619	537	453	439	423	450
	64-70	522	231	1011	709	224	505	442
	71-77	469	417	4875	773	392	414	339
A-01-03 14	57-63	400	619	537	453	439	423	450
	64-70	522	231	1011	709	224	505	442
	71-77	469	417	4875	773	392	414	339
A-01-03 15	57-63	453	679	596	510	497	492	509
	64-70	581	287	1072	772	292	572	508
	71-77	539	488	4952	856	471	496	423
A-01-03 16	57-63	0	619	537	453	439	433	450
	64-70	522	231	1011	709	224	505	442
	71-77	469	417	4875	773	392	414	339
A-01-03 17	57-63	400	619	525	453	439	433	450
	64-70	522	231	417	226	224	219	442
	71-77	469	417	406	381	392	414	339

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-01-03 18	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 19	57-63	453	679	596	510	497	492	509
	64-70	581	287	1072	772	292	572	508
	71-77	539	488	4952	856	471	496	423
A-01-03 20	57-63	453	679	596	510	497	492	509
	64-70	581	287	1072	772	292	572	508
	71-77	539	488	4952	856	471	496	423
A-01-03 21	57-63	453	679	596	510	497	492	509
	64-70	581	287	1072	772	292	572	508
	71-77	539	488	4952	856	471	496	423
A-01-03 22	57-63	453	679	596	510	497	492	509
	64-70	581	287	1072	772	292	572	508
	71-77	539	488	4952	856	471	496	423
A-01-03 23	57-63	453	679	596	510	497	492	509
	64-70	581	287	1072	772	292	572	508
	71-77	539	488	4952	856	471	496	423
A-01-03 24	57-63	400	619	537	453	439	433	450
	64-70	522	231	1011	709	224	505	442
	71-77	469	417	4875	773	392	414	339
A-01-03 25	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 26	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 27	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 28	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 29	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 30	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 31	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 32	57-63	1789	1961	2012	1709	2123	2006	1784
	64-70	1971	1454	1595	1852	1755	1898	2193
	71-77	2101	1247	1883	1099	1871	1896	1823
A-01-03 33	57-63	1789	1961	2012	1709	2123	2006	1784
	64-70	1971	1454	1595	1852	1755	1898	2193
	71-77	2101	1247	1883	1099	1871	1896	1823
A-01-03 34	57-63	1736	1901	1953	1652	2065	1947	1725
	64-70	1912	1398	1534	1789	1687	1831	2127
	71-77	2031	1176	1806	1016	1792	1814	1739
A-01-03 35	57-63	1789	1961	2012	1709	2123	2006	1784
	64-70	1971	1454	1595	1852	1755	1898	2193
	71-77	2101	1247	1883	1099	1871	1896	1823

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS						
A-01-03 36	57-63	1789	1961	2012	1709	2123	2006	1784
	64-70	1971	1454	1595	1852	1755	1898	2193
	71-77	2101	1247	1883	1099	1871	1896	1823
A-01-04 01	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 02	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 11	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 12	57-63	417	647	562	486	458	453	472
	64-70	297	241	1030	1156	906	515	215
	71-77	228	203	4666	577	190	201	165
A-01-04 13	57-63	417	647	562	486	458	453	472
	64-70	297	241	1030	1156	906	515	215
	71-77	228	203	4666	577	190	201	165
A-01-04 14	57-63	417	647	562	486	458	453	472
	64-70	297	241	1030	1156	906	515	215
	71-77	228	203	4666	577	190	201	165
A-01-04 15	57-63	493	732	645	567	541	537	557
	64-70	382	321	1116	1246	1003	610	309
	71-77	327	304	4775	695	303	318	284
A-01-04 16	57-63	493	732	645	567	541	537	557
	64-70	382	321	1116	1246	1003	610	309
	71-77	327	304	4775	695	303	318	284
A-01-04 17	57-63	493	732	645	567	541	537	557
	64-70	382	321	1116	1246	1003	610	309
	71-77	327	304	4775	695	303	318	284
A-01-04 18	57-63	493	732	645	567	541	537	557
	64-70	382	321	1116	1246	1003	610	309
	71-77	327	304	4775	695	303	318	284
A-01-04 19	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 20	57-63	417	647	550	486	458	453	472
	64-70	297	241	436	673	906	229	215
	71-77	228	203	197	185	190	201	165
A-01-04 21	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 22	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 23	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 24	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 25	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-01-04 26	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 27	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 28	57-63	417	647	550	486	458	453	472
	64-70	297	241	436	673	906	229	215
	71-77	228	203	197	185	190	201	165
A-01-04 29	57-63	417	647	550	486	458	453	472
	64-70	297	241	436	673	906	229	215
	71-77	228	203	197	185	190	201	165
A-01-04 30	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 31	57-63	1829	2014	2061	1766	2167	2051	1832
	64-70	1772	1488	1639	2326	2466	1936	1994
	71-77	1889	1063	1706	938	1703	1718	1684
A-01-04 32	57-63	1829	2014	2061	1766	2167	2051	1832
	64-70	1772	1488	1639	2326	2466	1936	1994
	71-77	1889	1063	1706	938	1703	1718	1684
A-01-04 33	57-63	1829	2014	2061	1766	2167	2051	1832
	64-70	1772	1488	1639	2326	2466	1936	1994
	71-77	1889	1063	1706	938	1703	1718	1684
A-01-04 34	57-63	1829	2014	2061	1766	2167	2051	1832
	64-70	1772	1488	1639	2326	2466	1936	1994
	71-77	1889	1063	1706	938	1703	1718	1684
A-01-04 35	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 36	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-05 01	57-63	2147	2674	2822	2953	2656	3897	7484
	64-70	3474	1849	2432	2391	2481	1914	1683
	71-77	2174	1991	5835	3708	2439	2374	600
A-01-05 02	57-63	1718	2310	1919	1640	1974	2054	1918
	64-70	1860	1531	1837	1707	1701	1320	1228
	71-77	1334	1062	5092	3189	1596	1642	1511
A-01-05 03	57-63	879	1361	1170	1021	964	952	994
	64-70	1152	509	1509	980	491	768	782
	71-77	830	739	5177	1065	691	733	600
A-01-05 04	57-63	879	1361	1170	1021	964	952	994
	64-70	1152	509	1509	980	491	768	782
	71-77	830	739	5177	1065	691	733	600
A-01-05 05	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
A-01-05 08	57-63	879	1361	1170	1021	964	952	994
	64-70	1152	509	1509	980	491	768	782
	71-77	830	739	5177	1065	691	733	600
A-01-05 09	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1593	2210	1418	2196	2242	2111

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS						
A-01-05 10	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1593	2210	1418	2196	2242	2111
A-01-05 11	57-63	4140	4573	4189	3526	4024	2981	6944
	64-70	5761	3250	3613	3556	3519	3538	3710
	71-77	4073	3183	3569	2596	3676	3665	2111
A-01-05 12	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 13	57-63	1594	2045	1908	1709	1696	1596	1587
	64-70	1780	1115	1578	1309	1312	1347	1742
	71-77	1869	1043	1124	1517	1496	1542	1411
A-01-05 14	57-63	3014	3453	3440	3168	3613	2753	2662
	64-70	3355	2450	2813	2788	2649	2855	3167
	71-77	3140	2159	2724	1967	2728	2824	711
A-01-05 15	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1593	2210	1418	2196	2242	2111
A-01-05 16	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1593	2210	1418	2196	2242	2111
A-01-05 17	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1593	2210	1418	2196	2242	2111
A-01-05 18	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1593	2210	1418	2196	2242	2111
A-01-05 19	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1593	2210	1418	2196	2242	2111
A-01-05 20	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 21	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 22	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 23	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 24	57-63	1594	2045	1908	1709	1696	1596	1587
	64-70	1780	1115	1578	1309	1312	1347	1742
	71-77	1869	1043	1124	1517	1496	1542	1411
A-01-05 25	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 26	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 27	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-01-05 28	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 29	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 30	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1593	2210	1418	2196	2242	2111
A-01-05 31	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1593	2210	1418	2196	2242	2111
A-01-05 32	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 33	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 34	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 35	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 36	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-06 04	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
A-01-06 05	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
A-01-06 06	57-63	2411	2431	2041	1779	1787	1651	5742
	64-70	3871	2165	2229	2307	2436	2657	2651
	71-77	2932	4224	7546	3117	2606	2480	839
A-01-06 07	57-63	2021	2835	2487	2376	2147	2181	2288
	64-70	2543	1427	2275	1610	1625	1980	2699
	71-77	2677	3725	7196	2972	2078	2154	1928
A-01-06 08	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	3200	6701	2488	1658	1639	1639
A-01-06 09	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
A-01-06 16	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
A-01-06 17	57-63	1344	1376	1356	1484	1440	1488	1525
	64-70	1530	1426	1496	1608	1641	2048	2180
	71-77	2076	3278	6785	2579	1745	1729	1731
A-01-06 18	57-63	1486	2274	1245	1726	1628	1610	1674
	64-70	1938	887	1558	877	873	858	1417
	71-77	1504	1351	1320	1255	1278	1354	1128

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS						
A-01-06 19	57-63	2130	2879	1917	2338	2283	2176	2188
	64-70	2487	1419	2140	1605	1604	1634	2289
	71-77	2450	1560	1634	1989	1978	2054	1828
A-01-06 20	57-63	2021	2835	1787	2376	2147	2181	2288
	64-70	2543	1427	2275	1610	1625	1980	2699
	71-77	2677	3625	7196	2972	2078	2154	1928
A-01-06 21	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	3200	6701	2488	1658	1639	1639
A-01-06 22	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
A-01-06 27	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
A-01-06 28	57-63	1344	1376	1356	1484	1440	1488	1525
	64-70	1530	1426	1496	1608	1641	2048	2180
	71-77	2076	3278	6785	2579	1745	1729	1731
A-01-06 29	57-63	2130	2879	2617	2338	2283	2176	2188
	64-70	2487	1419	2140	1605	1604	1634	2289
	71-77	2450	1560	1634	1989	1978	2054	1828
A-01-06 30	57-63	2130	2879	2617	2338	2283	2176	2188
	64-70	2487	1419	2140	1605	1604	1634	2289
	71-77	2450	1560	1634	1989	1978	2054	1828
A-01-06 31	57-63	1486	2274	1945	1726	1628	1610	1674
	64-70	1938	887	1558	877	873	858	1417
	71-77	1504	1351	1320	1255	1278	1354	1128
A-01-06 32	57-63	2071	2814	2553	2275	2219	2111	2123
	64-70	2422	1358	2073	1536	1529	1560	2217
	71-77	2373	1482	1550	1898	1891	1964	1736
A-01-06 33	57-63	1962	2770	2423	2313	2083	2116	2223
	64-70	2478	1366	2208	1541	1550	1906	2627
	71-77	2600	3647	7112	2881	1991	2064	1836
A-01-06 34	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	3200	6701	2488	1658	1639	1639
A-01-06 35	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
A-02-01 01	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 02	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 03	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 04	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 05	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-02-01 08	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2395	2122	1554	1753	1838	1559
A-02-01 09	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2395	2122	1554	1753	1838	1559
A-02-01 10	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2395	2122	1554	1753	1838	1559
A-02-01 11	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2395	2122	1554	1753	1838	1559
A-02-01 12	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	887	1719
	71-77	1823	1634	1596	1512	1543	1631	1354
A-02-01 13	57-63	1809	2597	2264	1822	2004	2091	1996
	64-70	2239	979	1696	1309	1520	1996	2385
	71-77	2378	2476	2209	1648	1843	1931	1654
A-02-01 14	57-63	1809	2597	2264	1822	2004	2091	1996
	64-70	2239	979	1696	1309	1520	1996	2385
	71-77	2378	2476	2209	1648	1843	1931	1654
A-02-01 15	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2395	2122	1554	1753	1838	1559
A-02-01 16	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2395	2122	1554	1753	1838	1559
A-02-01 17	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2395	2122	1554	1753	1838	1559
A-02-01 18	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 19	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 20	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	887	1719
	71-77	1823	1634	1596	1512	1543	1631	1354
A-02-01 21	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 22	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	887	1719
	71-77	1823	1634	1596	1512	1543	1631	1354
A-02-01 23	57-63	1809	2597	2264	1822	2004	2091	1996
	64-70	2239	979	1696	1309	1520	1996	2385
	71-77	2378	2476	2209	1648	1843	1931	1654
A-02-01 24	57-63	1809	2597	2264	1822	2004	2091	1996
	64-70	2239	979	1696	1309	1520	1996	2385
	71-77	2378	2476	2209	1648	1843	1931	1654
A-02-01 25	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS						
A-02-01 26	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	887	1719
	71-77	1823	1634	1596	1512	1543	1631	1354
A-02-01 27	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	887	1719
	71-77	1823	1634	1596	1512	1543	1631	1354
A-02-01 28	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 29	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	887	1719
	71-77	1823	1634	1596	1512	1543	1631	1354
A-02-01 30	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 31	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 32	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 33	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 34	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 35	57-63	1479	2288	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 36	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	887	1719
	71-77	1823	1634	1596	1512	1543	1631	1354
A-02-02 01	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 02	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 03	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 04	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 05	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 06	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 07	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-02-02 08	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 09	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 10	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 11	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 12	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 13	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 14	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 15	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 16	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 17	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 18	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 19	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608
A-02-02 20	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 21	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 22	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 23	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 24	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608
A-02-02 25	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS							
A-02-02 26	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608
A-02-02 27	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608
A-02-02 28	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608
A-02-02 29	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608
A-02-02 30	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608
A-02-02 31	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 32	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 33	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 34	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 35	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 36	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-03 04	57-63	1642	1651	1388	1945	2005	2148	1877
	64-70	1593	1576	1936	1894	2264	2426	1699
	71-77	1833	2027	1661	1675	1667	1673	1676
A-02-03 05	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 06	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 07	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 08	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 09	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 10	57-63	1642	1651	1388	1945	2005	2148	1877
	64-70	1593	1576	1936	1894	2264	2426	1699
	71-77	1833	2027	1661	1675	1667	1673	1676

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-02-03 13	57-63	1642	1651	1388	1945	2005	2148	1877
	64-70	1593	1576	1936	1894	2264	2426	1699
	71-77	1833	2027	1661	1675	1667	1673	1676
A-02-03 14	57-63	1642	1651	1388	1945	2005	2148	1877
	64-70	1593	1576	1936	1894	2264	2426	1699
	71-77	1833	2027	1661	1675	1667	1673	1676
A-02-03 15	57-63	1642	1651	1388	1945	2005	2148	1877
	64-70	1593	1576	1936	1894	2264	2426	1699
	71-77	1833	2027	1661	1675	1667	1673	1676
A-02-03 16	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 17	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 18	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 19	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	492	774	1491	467	473	476
A-02-03 20	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	492	774	1491	467	473	476
A-02-03 21	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	492	774	1491	467	473	476
A-02-03 22	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	492	774	1491	467	473	476
A-02-03 23	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	492	774	1491	467	473	476
A-02-03 24	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 25	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 26	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 27	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	492	774	1491	467	473	476
A-02-03 28	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	492	774	1491	467	473	476
A-02-03 29	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 30	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS						
A-02-03 31	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 32	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 33	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 34	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	492	774	1491	467	473	476
A-02-03 35	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	492	774	1491	467	473	476
A-02-03 36	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-04 11	57-63	1517	1702	1738	1858	1893	1889	2061
	64-70	1766	1330	1532	1581	1904	2032	991
	71-77	2130	2157	4964	4548	1600	1606	1587
A-02-04 12	57-63	1614	1811	1845	1962	1999	1996	2169
	64-70	1874	1432	1642	1696	2028	2154	1111
	71-77	2257	2287	5104	4699	1745	1755	1740
A-02-04 13	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	237	244	249	245	255	240
A-02-04 14	57-63	1614	1811	1845	1962	1999	1996	2169
	64-70	1874	1432	1642	1696	2028	2154	1111
	71-77	2257	2287	5104	4699	1745	1755	1740
A-02-04 19	57-63	1517	1516	1256	1810	1869	2010	1737
	64-70	1451	1450	1794	1755	2113	2305	1673
	71-77	1806	1984	1604	1598	1600	1606	1587
A-02-04 22	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-04 23	57-63	1614	1811	1845	1962	1999	1996	2169
	64-70	1874	1432	1642	1696	2028	2154	1111
	71-77	2257	2287	5104	4699	1745	1755	1740
A-02-04 24	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	237	244	249	245	255	240
A-02-04 25	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	237	244	249	245	255	240
A-02-04 26	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	237	244	249	245	255	240
A-02-04 27	57-63	1517	1702	1738	1858	1893	1889	2061
	64-70	1766	1330	1532	1581	1904	2032	991
	71-77	2130	2157	4964	4548	1600	1606	1587
A-02-04 30	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	237	244	249	245	255	240

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-02-04 31	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	237	244	249	245	255	240
A-02-04 34	57-63	1614	1811	1845	1962	1999	1996	2169
	64-70	1874	1432	1642	1696	2028	2154	1111
	71-77	2257	2287	5104	4699	1745	1755	1740
A-02-04 35	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	237	244	249	245	255	240
A-02-04 36	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	237	244	249	245	255	240
A-02-05 07	57-63	1361	1461	1545	1677	1722	1720	1885
	64-70	1562	1240	1964	1976	1817	2233	878
	71-77	2010	2050	9329	4842	1500	1500	1500
A-02-05 08	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-05 15	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-05 16	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-05 17	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-05 18	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
A-02-05 22	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-05 23	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-05 24	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-05 25	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
A-02-05 26	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
A-02-05 34	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
A-02-06 16	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1917	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-06 17	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1917	878
	71-77	2010	2050	4860	4450	1500	1500	1500

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-02-06 18	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1917	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-06 19	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1917	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-06 20	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1917	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-06 21	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1917	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-06 22	57-63	1894	1990	1432	901	1344	1252	5127
	64-70	3035	1748	1641	2854	3278	3450	2555
	71-77	3732	3770	6745	6012	2740	2870	0
A-02-06 27	57-63	768	870	695	543	933	1024	845
	64-70	629	948	1435	1609	1120	1035	358
	71-77	411	228	8751	2798	800	800	800
A-02-06 28	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
A-02-06 29	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
A-02-06 30	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
A-02-06 31	57-63	2363	3335	2783	2398	2678	2749	2645
	64-70	2714	1868	2501	2026	2010	1624	2508
	71-77	2691	2258	6252	4261	2700	2815	2450
A-02-06 32	57-63	1595	2465	2100	1855	1745	1725	1800
	64-70	2085	920	1660	900	890	875	2150
	71-77	2280	2030	1970	1855	1900	2015	1650
A-02-06 33	57-63	768	870	683	543	933	1024	845
	64-70	629	948	841	1126	1120	749	358
	71-77	411	228	4282	2406	800	800	800
A-03-01 01	57-63	1361	1275	1051	1629	1698	1841	1561
	64-70	1247	1360	1632	1667	2026	2220	1560
	71-77	1686	1877	1500	1500	1500	1500	1500
A-03-01 02	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-03-01 03	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-03-01 04	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-03-01 05	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-03-01 06	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506

TABLE A2 MAXIMUM POTENTIAL RECHARGE PAGE 20

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-03-01 07	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-03-01 08	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-03-01 09	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-03-01 10	57-63	1561	2411	2050	1811	1706	1689	1761
	64-70	2039	900	1622	883	872	855	1672
	71-77	1772	1583	1533	1444	1478	1567	1283
A-03-01 11	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 12	57-63	2955	3723	3138	3476	3440	3567	3359
	64-70	3323	2295	3292	2589	2940	3117	3273
	71-77	3502	3505	3081	2996	3028	3118	2835
A-03-01 13	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 14	57-63	1561	2411	2050	1811	1706	1689	1761
	64-70	2039	900	1622	883	872	855	1672
	71-77	1772	1583	1533	1444	1478	1567	1283
A-03-01 15	57-63	1561	2411	2050	1811	1706	1689	1761
	64-70	2039	900	1622	883	872	855	1672
	71-77	1772	1583	1533	1444	1478	1567	1283
A-03-01 21	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 22	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 23	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 24	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 25	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 26	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 27	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 28	57-63	1594	2448	2087	1847	1742	1726	1792
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 33	57-63	1561	2411	2050	1811	1706	1689	1761
	64-70	2039	900	1622	883	872	855	1672
	71-77	1772	1583	1533	1444	1478	1567	1283

LOCATION YEARS ORIGINAL RECHARGE ESTMATES

LOCATION									
A-03-01	34	57-63	1561	2411	2050	1811	1706	1689	1761
		64-70	2039	900	1622	883	872	855	1672
		71-77	1772	1583	1533	1444	1478	1567	1283
A-03-01	35	57-63	1561	2411	2050	1811	1706	1689	1761
		64-70	2039	900	1622	883	872	855	1672
		71-77	1772	1583	1533	1444	1478	1567	1283
A-03-01	36	57-63	1561	2411	2050	1811	1706	1689	1761
		64-70	2039	900	1622	883	872	855	1672
		71-77	1772	1583	1533	1444	1478	1567	1283
A-03-02	07	57-63	1361	1275	1051	1629	1698	1841	1561
		64-70	1247	1360	1632	1667	2026	2220	1560
		71-77	1686	1877	1500	1500	1500	1500	1500
A-03-02	17	57-63	2634	3248	2731	3109	3091	3221	3001
		64-70	2914	2100	2959	2387	2739	2920	2620
		71-77	2813	2877	2473	2413	2440	2493	2313
A-03-02	18	57-63	2634	3248	2731	3109	3091	3221	3001
		64-70	2914	2100	2959	2387	2739	2920	2620
		71-77	2813	2877	2473	2413	2440	2493	2313
A-03-02	19	57-63	1358	2068	1773	1571	1486	1474	1535
		64-70	1762	829	1424	821	816	807	1165
		71-77	1239	1114	1096	1045	1067	1124	947
A-03-02	20	57-63	2719	3343	2824	3200	3184	3315	3096
		64-70	3009	2189	3056	2488	2842	3027	2725
		71-77	2925	2991	2596	2545	2567	2624	2447
A-03-02	21	57-63	2719	3343	2824	3200	3184	3315	3096
		64-70	3009	2189	3056	2488	2842	3027	2725
		71-77	2925	2991	2596	2545	2567	2624	2447
A-03-02	22	57-63	1361	1275	1051	1629	1698	1841	1561
		64-70	1247	1360	1632	1667	2026	2220	1560
		71-77	1686	1877	1500	1500	1500	1500	1500
A-03-02	25	57-63	1361	1275	1051	1629	1698	1841	1561
		64-70	1247	1360	1632	1667	2026	2220	1560
		71-77	1686	1877	1500	1500	1500	1500	1500
A-03-02	26	57-63	1361	1275	1051	1629	1698	1841	1561
		64-70	1247	1360	1632	1667	2026	2220	1560
		71-77	1686	1877	1500	1500	1500	1500	1500
A-03-02	27	57-63	2719	3343	2824	3200	3184	3315	3096
		64-70	3009	2189	3056	2488	2847	3027	2725
		71-77	2925	2991	2596	2545	2567	2624	2447
A-03-02	28	57-63	2719	3343	2824	3200	3184	3315	3096
		64-70	3009	2189	3056	2488	2847	3027	2725
		71-77	2925	2991	2596	2545	2567	2624	2447
A-03-02	29	57-63	1358	2068	1773	1571	1486	1474	1535
		64-70	1762	829	1424	821	821	807	1165
		71-77	1239	1114	1096	1045	1067	1124	947
A-03-02	30	57-63	1358	2068	1773	1571	1486	1474	1535
		64-70	1762	829	1424	821	821	807	1165
		71-77	1239	1114	1096	1045	1067	1124	947
A-03-02	31	57-63	1358	2068	1773	1571	1486	1474	1535
		64-70	1762	829	1424	821	821	807	1165
		71-77	1239	1114	1096	1045	1067	1124	947
A-03-02	32	57-63	1358	2068	1773	1571	1486	1474	1535
		64-70	1762	829	1424	821	821	807	1165
		71-77	1239	1112	1096	1045	1067	1124	947

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS						
A-03-02 33	57-63	1358	2068	1773	1571	1486	1474	1535
	64-70	1762	829	1424	821	821	807	1165
	71-77	1239	1112	1096	1045	1067	1124	947
A-03-02 34	57-63	1358	2068	1773	1573	1486	1474	1535
	64-70	1762	829	1424	821	821	807	1165
	71-77	1239	1112	1096	1045	1067	1124	947
A-03-02 35	57-63	1358	2068	1773	1573	1486	1474	1535
	64-70	1762	829	1424	821	821	807	1165
	71-77	1239	1112	1096	1045	1067	1124	947
A-03-02 36	57-63	1358	2068	1773	1573	1486	1473	1535
	64-70	1762	829	1424	821	821	807	1165
	71-77	1239	1112	1096	1045	1067	1124	947
A-03-03 31	57-63	283	382	345	316	309	311	317
	64-70	347	319	305	335	347	241	152
	71-77	161	164	177	191	183	189	193
A-03-03 32	57-63	283	382	345	316	309	311	317
	64-70	347	319	305	335	347	241	152
	71-77	161	164	177	191	183	189	193
A-04-01 13	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 14	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 15	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 22	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 23	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 24	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 25	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 26	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 27	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 28	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 29	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 30	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
A-04-01 31	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 32	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 33	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 34	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 35	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-02 29	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-02 30	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-03 01	57-63	36	36	36	36	36	36	36
	64-70	36	36	36	36	36	36	36
	71-77	36	36	36	36	36	36	36
A-04-03 02	57-63	18	18	18	18	18	18	18
	64-70	18	18	18	18	18	18	18
	71-77	18	18	18	18	18	18	18
A-04-04 01	57-63	74	74	74	74	74	74	74
	64-70	74	74	74	74	74	74	74
	71-77	74	74	74	74	74	74	74
A-04-04 02	57-63	18	18	18	18	18	18	18
	64-70	18	18	18	18	18	18	18
	71-77	18	18	18	18	18	18	18
A-04-04 03	57-63	360	360	360	360	360	360	360
	64-70	360	360	360	360	360	360	360
	71-77	360	360	360	360	360	360	360
A-04-04 04	57-63	290	290	290	290	290	290	290
	64-70	290	290	290	290	290	290	290
	71-77	290	290	290	290	290	290	290
A-04-04 05	57-63	74	74	74	74	74	74	74
	64-70	74	74	74	74	74	74	74
	71-77	74	74	74	74	74	74	74
A-04-04 06	57-63	36	36	36	36	36	36	36
	64-70	36	36	36	36	36	36	36
	71-77	36	36	36	36	36	36	36
A-04-05 06	57-63	18	18	18	18	18	18	18
	64-70	18	18	18	18	18	18	18
	71-77	18	18	18	18	18	18	18
B-01-01 01	57-63	1320	2043	1740	1535	1445	1430	1490
	64-70	1730	765	1375	746	738	724	1398
	71-77	1483	1320	1283	1205	1235	1308	1070
B-01-01 03	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
B-01-01 04	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 05	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 06	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-01-01 07	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 08	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 09	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 10	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 12	57-63	1320	2043	1740	1535	1445	1430	1490
	64-70	1730	765	1375	746	738	724	1398
	71-77	1483	1320	1283	1205	1235	1308	1070
B-01-01 13	57-63	1320	2043	1740	1535	1445	1430	1490
	64-70	1730	765	1375	746	738	724	1398
	71-77	1483	1320	1283	1205	1235	1308	1070
B-01-01 17	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 18	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 19	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 21	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 24	57-63	1320	2043	1740	1535	1445	1430	1490
	64-70	1730	765	1375	746	738	724	1398
	71-77	1483	1320	1283	1205	1235	1308	1070
B-01-01 28	57-63	0	12	0	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
B-01-01 29	57-63	0	12	0	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
B-01-01 30	57-63	0	12	0	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
B-01-01 31	57-63	0	12	0	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS							
B-01-01 32	57-63	0	12	0	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
B-01-01 33	57-63	0	12	0	459	517	557	544
	64-70	590	286	2014	2203	1830	2326	2250
	71-77	2140	2310	4863	3242	2870	3360	3590
B-01-01 34	57-63	0	12	0	459	517	557	544
	64-70	590	286	2014	2203	1830	2326	2250
	71-77	2140	2310	4863	3242	2870	3360	3590
B-01-01 35	57-63	0	12	0	459	517	557	544
	64-70	590	286	2014	2203	1830	2326	2250
	71-77	2140	2310	4863	3242	2870	3360	3590
B-01-01 36	57-63	0	12	0	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
B-01-02 01	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-01-02 09	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 10	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 11	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 12	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 13	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 14	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 15	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 16	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 17	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 18	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 19	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 20	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
B-01-02 21	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 22	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 23	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 24	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 25	57-63	543	543	555	543	543	543	543
	64-70	553	550	1158	1112	586	878	592
	71-77	592	592	5061	984	592	592	592
B-01-02 26	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
B-01-02 27	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 28	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 29	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 30	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 31	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
B-01-02 32	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
B-01-02 33	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
B-01-02 34	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
B-01-02 35	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
B-01-02 36	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
B-01-03 13	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 17	57-63	36	36	36	36	36	36	36
	64-70	36	36	36	36	36	36	36
	71-77	36	36	36	36	36	36	36

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS						
B-01-03 20	57-63	917	917	852	902	959	890	946
	64-70	864	917	792	954	952	992	948
	71-77	962	963	1004	1032	1053	1040	1040
B-01-03 21	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 22	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 23	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 24	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 25	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 26	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 27	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 28	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 29	57-63	1017	1017	952	1002	1059	990	1046
	64-70	964	1017	892	1054	1052	1092	1048
	71-77	1062	1063	1104	1132	1153	1140	1140
B-01-03 32	57-63	1097	1097	1032	1082	1139	1070	1126
	64-70	1044	1097	972	1134	1132	1172	1128
	71-77	1142	1143	1184	1212	1233	1220	1220
B-01-03 33	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 34	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 35	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 36	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-02-01 02	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-02-01 03	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-02-01 04	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
B-02-01 05	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 06	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 07	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 08	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 09	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 14	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 17	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 18	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 19	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 20	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 21	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 22	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 23	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 26	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 27	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 28	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 29	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 30	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
B-02-01 31	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 32	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 33	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 34	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 35	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 36	57-63	1180	1830	1560	1380	1300	1280	1340
	64-70	1550	1680	1230	670	660	650	1980
	71-77	2100	1870	1810	1710	1850	1520	1520
B-02-02 02	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 03	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 04	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 09	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 10	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 14	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 15	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 16	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 21	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 22	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 23	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 26	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
B-02-02 27	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 28	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 33	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 34	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 35	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-03-01 03	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 04	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-01 05	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-01 06	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-01 07	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-01 08	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 09	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 10	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 14	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 15	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 16	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 17	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 18	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS						
B-03-01 19	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-01 20	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 21	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 22	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 28	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 29	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 30	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-01 31	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-01 32	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 33	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 34	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 35	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 36	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-02 01	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 02	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 03	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 10	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 11	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
B-03-02 12	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 13	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 14	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 15	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 21	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 22	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 23	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 24	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 25	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 26	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 27	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 34	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 35	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 36	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-04-01 06	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	213	213	213	213	213	213
B-04-01 14	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 19	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 20	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
B-04-01 21	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 22	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 23	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 27	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 28	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 29	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 30	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 31	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 32	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 33	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 34	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-02 01	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	213	213	213	213	213	213
B-04-02 02	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	213	213	213	213	213	213
B-04-02 03	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	213	213	213	213	213	213
B-04-02 04	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	213	213	213	213	213	213
B-04-02 05	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	213	213	213	213	213	213
B-04-02 06	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	213	213	213	213	213	213
B-04-02 07	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	213	213	213	213	213	213

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
B-04-02 18	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	213	213	213	213	213	213
B-04-02 19	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	213	213	213	213	213	213
B-04-02 24	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-02 25	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-02 26	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-02 34	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-02 35	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-02 36	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
C-01-02 03	57-63	20	20	32	20	20	20	20
	64-70	20	20	614	503	20	306	20
	71-77	20	20	4489	412	20	20	20
C-01-02 04	57-63	20	20	32	20	20	20	20
	64-70	20	20	614	503	20	306	20
	71-77	20	20	4489	412	20	20	20
C-01-02 05	57-63	543	543	555	543	543	543	543
	64-70	553	550	1158	1112	586	878	592
	71-77	592	592	5061	984	592	592	592
C-01-02 06	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
C-01-02 07	57-63	543	543	555	543	543	543	543
	64-70	553	550	1158	1112	586	878	592
	71-77	592	592	5061	984	592	592	592
C-01-02 08	57-63	576	576	588	576	576	576	576
	64-70	586	583	1191	1145	619	911	625
	71-77	625	625	5094	1017	625	625	625
C-01-03 01	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
C-01-03 02	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
C-01-03 03	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
C-01-03 04	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
C-01-03 05	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
C-01-03 06	57-63	793	793	793	793	793	793	793
	64-70	803	800	814	879	836	842	842
	71-77	842	842	842	842	842	842	842
C-01-03 07	57-63	1263	1263	1263	1263	1263	1263	1263
	64-70	1273	1270	1284	655	612	618	618
	71-77	618	618	618	618	618	618	592
C-01-03 08	57-63	556	556	568	556	556	556	556
	64-70	566	563	1171	1125	599	891	605
	71-77	605	605	5074	997	605	605	605
C-01-03 09	57-63	553	553	553	553	553	553	553
	64-70	563	560	574	639	596	602	602
	71-77	602	602	602	602	602	602	602
C-01-03 10	57-63	550	550	550	550	550	550	550
	64-70	560	557	571	636	593	599	599
	71-77	599	599	599	599	599	599	599
C-01-03 11	57-63	563	563	575	563	563	563	563
	64-70	573	570	1178	1132	606	898	612
	71-77	612	612	5081	1004	612	612	612
C-01-03 12	57-63	543	543	555	543	543	543	543
	64-70	553	550	1158	1112	586	878	592
	71-77	592	592	5061	984	592	592	592
C-01-03 13	57-63	20	20	20	20	20	20	20
	64-70	20	20	20	20	20	20	20
	71-77	20	20	20	20	20	20	20
D-01-01 11	57-63	180	280	240	210	200	200	210
	64-70	240	110	190	100	100	0	0
	71-77	0	0	0	0	0	0	0
D-01-02 01	57-63	2596	3229	3088	2666	3006	2881	2695
	64-70	3037	1894	2430	2276	2170	2303	3168
	71-77	3082	2112	2713	1868	2667	2740	2500
D-01-02 02	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1353	1313	1233	1267	1340	1100
D-01-02 03	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1353	1313	1233	1267	1340	1100
D-01-02 04	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1353	1313	1233	1267	1340	1100
D-01-02 05	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1353	1313	1233	1267	1340	1100
D-01-02 06	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1353	1313	1233	1267	1340	1100
D-01-02 07	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1353	1313	1233	1267	1340	1100
D-01-02 08	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1353	1313	1233	1267	1340	1100

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS							
D-01-02 17	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1353	1313	1233	1267	1340	1100
D-01-03 05	57-63	1336	1282	1428	1199	1626	1514	1275
	64-70	1390	1167	1117	1563	1463	1612	1685
	71-77	1562	759	1400	635	1400	1400	1400
D-01-03 06	57-63	1336	1282	1428	1199	1626	1514	1275
	64-70	1390	1167	1117	1563	1463	1612	1685
	71-77	1562	759	1400	635	1400	1400	1400
D-01-04 01	57-63	3084	3986	3732	3231	3542	3410	3251
	64-70	3678	2179	2937	2551	2439	2572	1864
	71-77	1890	1052	1684	902	1674	1690	1637
D-01-04 02	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	290	237
D-01-04 03	57-63	3084	3986	3732	3231	3542	3410	3251
	64-70	3678	2179	2937	2551	2439	2572	1864
	71-77	1890	1052	1684	902	1674	1690	1637
D-01-04 04	57-63	3084	3986	3732	3231	3542	3410	3251
	64-70	3678	2179	2937	2551	2439	2572	1864
	71-77	1890	1052	1684	902	1674	1690	1637
D-01-04 09	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	290	237
D-01-04 10	57-63	3084	3986	3732	3231	3542	3410	3251
	64-70	3678	2179	2937	2551	2439	2572	1864
	71-77	1890	1052	1684	902	1674	1690	1637
D-01-04 11	57-63	3084	3986	3732	3231	3542	3410	3251
	64-70	3678	2179	2937	2551	2439	2572	1864
	71-77	1890	1052	1684	902	1674	1690	1637
D-01-04 12	57-63	3084	3986	3732	3231	3542	3410	3251
	64-70	3678	2179	2937	2551	2439	2572	1864
	71-77	1890	1052	1684	902	1674	1680	1637
D-01-04 13	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 20	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 21	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 22	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 23	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 24	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 25	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
D-01-04 26	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 27	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 28	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 29	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 31	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 32	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 33	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 34	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 35	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 36	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-05 01	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 02	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 03	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 04	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 05	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 06	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	2317	2911	2057	2856	2944	2664
D-01-05 07	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	2317	2911	2057	2856	2944	2664
D-01-05 08	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	2317	2911	2057	2856	2944	2664

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
D-01-05 09	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	2317	2911	2057	2856	2944	2664
D-01-05 10	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	2317	2911	2057	2856	2944	2664
D-01-05 11	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	2317	2911	2057	2856	2944	2664
D-01-05 12	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	2317	2911	2057	2856	2944	2664
D-01-05 13	57-63	2516	3494	3136	2790	2705	2594	2628
	64-70	3002	1615	2532	1789	1778	1803	2639
	71-77	2690	1767	1825	2156	2156	2244	1964
D-01-05 14	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 15	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 16	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 17	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 18	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 19	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 20	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 21	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 22	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 23	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 24	57-63	2516	3494	3136	2790	2705	2594	2628
	64-70	3002	1615	2532	1789	1778	1803	2639
	71-77	2690	1767	1825	2156	2156	2244	1964
D-01-05 25	57-63	2516	3494	3136	2790	2705	2594	2628
	64-70	3002	1615	2532	1789	1778	1803	2639
	71-77	2690	1767	1825	2156	2156	2244	1964
D-01-05 26	57-63	2516	3494	3136	2790	2705	2594	2628
	64-70	3002	1615	2532	1789	1778	1803	2639
	71-77	2690	1767	1825	2156	2156	2244	1964

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
D-01-05 27	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 28	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 29	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 30	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 31	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 32	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 33	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 34	57-63	1872	2889	2464	2178	2050	2028	2114
	64-70	2453	1083	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 35	57-63	2516	3494	3136	2790	2705	2594	2628
	64-70	3002	1615	2532	1789	1778	1803	2639
	71-77	2690	1767	1825	2156	2156	2244	1964
D-01-05 36	57-63	2516	3494	3136	2790	2705	2594	2628
	64-70	3002	1615	2532	1789	1778	1803	2639
	71-77	2690	1767	1825	2156	2156	2244	1964
D-01-06 01	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 02	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 03	57-63	1766	2467	2167	2081	1869	1909	2008
	64-70	2218	1253	1998	1433	1440	1798	3163
	71-77	3167	4155	7601	3342	2463	2563	2244
D-01-06 04	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	1781	1725	1625	1663	1763	1444
D-01-06 05	57-63	1875	2511	2297	2043	2005	1904	1908
	64-70	2162	1245	1863	1428	1419	1452	2753
	71-77	2940	1990	2039	2359	2363	2463	2144
D-01-06 06	57-63	644	605	672	612	655	566	514
	64-70	549	532	582	728	731	776	872
	71-77	946	209	314	734	700	700	700
D-01-06 07	57-63	3295	3919	3829	3502	3922	3061	2983
	64-70	3737	2580	3098	2907	2756	2960	4178
	71-77	4211	3106	3639	2809	3595	3745	1444
D-01-06 08	57-63	1875	2511	2297	2043	2005	1904	1908
	64-70	2162	1245	1863	1428	1419	1452	2753
	71-77	2940	1990	2039	2359	2363	2463	2144

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
D-01-06 09	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	1781	1725	1625	1663	1763	1444
D-01-06 10	57-63	1766	2467	2167	2081	1869	1909	2008
	64-70	2218	1253	1998	1433	1440	1798	3163
	71-77	3167	4155	7601	3342	2463	2563	2244
D-01-06 11	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 12	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 13	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 14	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 15	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	3200	6701	2488	1658	1639	1639
D-01-06 16	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	1781	1725	1625	1663	1763	1444
D-01-06 17	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	1781	1725	1625	1663	1763	1444
D-01-06 18	57-63	1875	2511	2297	2043	2005	1904	1908
	64-70	2162	1245	1863	1428	1419	1452	2753
	71-77	2940	1990	2039	3359	2363	2463	2144
D-01-06 19	57-63	1875	2511	2297	2043	2005	1904	1908
	64-70	2162	1245	1863	1428	1419	1452	2753
	71-77	2940	1990	2039	3359	2363	2463	2144
D-01-06 20	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	1781	1725	1625	1663	1763	1444
D-01-06 21	57-63	1766	2467	2167	2081	1869	1909	2008
	64-70	2218	1253	1998	1433	1440	1798	3163
	71-77	3167	4155	7601	3342	2463	2563	2244
D-01-06 22	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	3200	6701	2488	1658	1639	1639
D-01-06 23	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 24	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 25	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 26	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS						
D-01-06 27	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 28	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	3200	6701	2488	1658	1639	1639
D-01-06 29	57-63	1766	2467	2167	2081	1869	1909	2008
	64-70	2218	1253	1998	1433	1440	1798	3163
	71-77	3167	4155	7601	3342	2463	2563	2244
D-01-06 30	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	1781	1725	1625	1663	1763	1444
D-01-06 31	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	1781	1725	1625	1663	1763	1444
D-01-06 32	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	3200	6701	2488	1658	1639	1639
D-01-06 33	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 34	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 35	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-01-06 36	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-05 02	57-63	2694	3780	3372	2995	2897	2783	2831
	64-70	3232	1715	2715	1886	1873	1901	2558
	71-77	2877	1932	1983	2303	2308	2400	2092
D-02-05 03	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1183	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392
D-02-05 04	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1183	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392
D-02-05 05	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1183	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392
D-02-05 06	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1183	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392
D-02-05 07	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1183	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392
D-02-05 08	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1183	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392
D-02-05 09	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1183	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
D-02-05 10	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1183	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392
D-02-05 11	57-63	1394	1355	1422	1383	1512	1418	1360
	64-70	1409	1357	1294	1534	1545	1628	1698
	71-77	1772	1035	1139	1505	1558	1539	1539
D-02-05 12	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-05 13	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-05 14	57-63	1394	1355	1422	1383	1512	1418	1360
	64-70	1409	1357	1294	1534	1545	1628	1698
	71-77	1772	1035	1139	1505	1558	1539	1539
D-02-05 15	57-63	2694	3780	3372	2995	2897	2783	2831
	64-70	3232	1715	2715	1886	1873	1901	2558
	71-77	2877	1932	1983	2303	2308	2400	2092
D-02-05 16	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1183	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392
D-02-05 22	57-63	2694	3780	3372	2995	2897	2783	2831
	64-70	3232	1715	2715	1886	1873	1901	2558
	71-77	2877	1932	1983	2303	2308	2400	2092
D-02-05 23	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-05 24	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-05 25	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-05 26	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-05 27	57-63	644	605	672	612	655	566	514
	64-70	549	532	582	728	731	776	872
	71-77	946	209	314	734	700	700	700
D-02-05 34	57-63	1394	1355	1422	1383	1512	1418	1360
	64-70	1409	1357	1294	1534	1545	1628	1698
	71-77	1772	1035	1139	1505	1558	1539	1539
D-02-05 35	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-05 36	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 01	57-63	620	620	620	620	620	620	630
	64-70	630	630	620	620	620	620	810
	71-77	810	810	810	810	810	810	810
D-02-06 02	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS							
D-02-06 03	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 04	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 05	57-63	1285	1311	1292	1421	1376	1423	1466
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	3200	6701	2488	1658	1639	1639
D-02-06 06	57-63	535	561	542	650	519	571	614
	64-70	605	540	717	733	752	1122	1282
	71-77	1173	2374	5876	1717	800	800	800
D-02-06 07	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 08	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 09	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 10	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 11	57-63	740	740	740	740	740	740	750
	64-70	750	750	740	740	740	740	970
	71-77	970	970	970	970	970	970	970
D-02-06 12	57-63	670	670	670	670	670	670	680
	64-70	680	680	670	670	670	670	870
	71-77	870	870	870	870	870	870	870
D-02-06 13	57-63	520	520	520	520	520	520	530
	64-70	530	530	520	520	520	520	680
	71-77	680	680	680	680	680	680	680
D-02-06 14	57-63	400	400	400	400	400	400	400
	64-70	400	400	400	400	400	400	520
	71-77	520	520	520	520	520	520	520
D-02-06 15	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 16	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 17	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 18	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 19	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 20	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
D-02-06 21	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 23	57-63	1790	1790	1790	1790	1790	1790	1790
	64-70	1790	1790	1790	1790	1790	1790	1790
	71-77	1790	1790	1790	1790	1790	1790	1790
D-02-06 24	57-63	120	120	120	120	120	120	130
	64-70	130	130	120	120	120	120	160
	71-77	160	160	160	160	160	160	160
D-02-06 25	57-63	1280	1280	1280	1280	1280	1280	1280
	64-70	1280	1280	1280	1280	1280	1280	1280
	71-77	1280	1280	1280	1280	1280	1280	1280
D-02-06 26	57-63	1780	1780	1780	1780	1780	1780	1780
	64-70	1780	1780	1780	1780	1780	1780	1780
	71-77	1780	1780	1780	1780	1780	1780	1780
D-02-06 28	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 29	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 30	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 31	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 32	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 33	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	820	826	825	771	858	839	839
D-02-06 34	57-63	902	902	902	902	902	902	902
	64-70	902	902	902	902	902	902	902
	71-77	902	902	902	902	902	902	902
D-02-06 35	57-63	280	280	280	280	280	280	280
	64-70	280	280	280	280	280	280	310
	71-77	310	310	310	310	282	282	282
D-02-06 36	57-63	1120	1120	1120	1120	1120	1120	1120
	64-70	1120	1120	1120	1120	1120	1120	1240
	71-77	1240	1240	1240	1240	1127	1127	1127
D-02-07 01	57-63	970	970	970	970	970	970	980
	64-70	980	980	970	970	970	970	1260
	71-77	1260	1260	1260	1260	1260	1260	1260
D-02-07 02	57-63	470	470	470	470	470	470	480
	64-70	480	480	470	470	470	470	610
	71-77	610	610	610	610	610	610	610
D-02-07 03	57-63	350	350	350	350	350	350	350
	64-70	350	350	350	350	350	350	450
	71-77	450	450	450	450	450	450	450
D-02-07 04	57-63	890	890	890	890	890	890	900
	64-70	900	900	890	890	890	890	1160
	71-77	1160	1160	1160	1160	1160	1160	1160

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS						
D-02-07 05	57-63	620	620	620	620	620	620	620
	64-70	620	620	620	620	620	620	610
	71-77	810	810	810	810	810	810	810
D-02-07 07	57-63	250	250	250	250	250	250	250
	64-70	250	250	250	250	250	250	320
	71-77	320	320	320	320	320	320	320
D-02-07 08	57-63	470	470	470	470	470	480	480
	64-70	480	480	470	470	470	470	470
	71-77	610	610	610	610	610	610	610
D-02-07 09	57-63	740	740	740	740	740	740	750
	64-70	750	750	740	740	740	740	970
	71-77	970	970	970	970	970	970	970
D-02-07 10	57-63	670	670	670	670	670	680	680
	64-70	680	680	670	670	670	670	870
	71-77	870	870	870	870	870	870	870
D-02-07 11	57-63	820	820	820	820	820	820	830
	64-70	830	830	820	820	820	820	1070
	71-77	1070	1070	1070	1070	1070	1070	1070
D-02-07 12	57-63	970	970	970	970	970	970	980
	64-70	980	980	970	970	970	970	1260
	71-77	1260	1260	1260	1260	1260	1260	1260
D-02-07 13	57-63	820	820	820	820	820	820	830
	64-70	830	830	820	820	820	820	1070
	71-77	1070	1070	1070	1070	1070	1070	1070
D-02-07 14	57-63	250	250	250	250	250	250	250
	64-70	250	250	250	250	250	250	320
	71-77	320	320	320	320	320	320	320
D-02-07 15	57-63	250	250	250	250	250	250	250
	64-70	250	250	250	250	250	250	320
	71-77	320	320	320	320	320	320	320
D-02-07 16	57-63	840	840	840	840	840	840	850
	64-70	850	850	840	840	840	840	840
	71-77	1100	1100	1100	1100	1100	1100	1100
D-02-07 17	57-63	720	720	720	720	720	720	730
	64-70	730	730	720	720	720	720	720
	71-77	940	940	940	940	940	940	940
D-02-07 18	57-63	320	320	320	320	320	320	330
	64-70	330	330	320	320	320	320	420
	71-77	420	420	420	420	420	420	420
D-02-07 19	57-63	350	350	350	350	350	350	350
	64-70	350	350	350	350	350	350	450
	71-77	450	450	450	450	450	450	450
D-02-07 20	57-63	620	620	620	620	620	620	630
	64-70	630	630	620	620	620	620	810
	71-77	810	810	810	810	810	810	810
D-02-07 21	57-63	350	350	350	350	350	350	350
	64-70	350	350	350	350	350	350	450
	71-77	450	450	450	450	450	450	450
D-02-07 22	57-63	470	470	470	470	470	470	480
	64-70	480	480	470	470	470	470	610
	71-77	610	610	610	610	610	610	610
D-02-07 23	57-63	570	570	570	570	570	570	580
	64-70	580	580	570	570	570	570	740
	71-77	740	740	740	740	740	740	740

LOCATION	YEARS	ORIGINAL RECHARGE ESTMATES						
D-02-07 26	57-63	490	490	490	490	490	490	500
	64-70	500	500	490	490	490	490	650
	71-77	650	650	650	650	650	650	650
D-02-07 27	57-63	590	590	590	590	590	590	600
	64-70	600	600	590	590	590	590	780
	71-77	780	780	780	780	780	780	780
D-02-07 28	57-63	670	670	670	670	670	670	680
	64-70	680	680	670	670	670	670	870
	71-77	870	870	870	870	870	870	870
D-02-07 31	57-63	933	933	933	933	933	933	933
	64-70	933	933	933	933	933	933	1034
	71-77	1034	1034	1034	1034	939	939	939
D-02-08 07	57-63	540	540	540	540	540	540	550
	64-70	550	550	540	540	540	540	710
	71-77	710	710	710	710	710	710	710
D-02-08 17	57-63	470	470	470	470	470	470	480
	64-70	480	480	470	470	470	470	610
	71-77	610	610	610	610	610	610	610
D-02-08 18	57-63	920	920	920	920	920	920	930
	64-70	930	930	920	920	920	920	1200
	71-77	1200	1200	1200	1200	1200	1200	1200
D-02-08 19	57-63	970	970	970	970	970	970	980
	64-70	980	980	970	970	970	970	970
	71-77	1260	1260	1260	1260	1260	1260	1260
D-02-08 20	57-63	470	470	470	470	470	470	480
	64-70	480	480	470	470	470	470	610
	71-77	610	610	610	610	610	610	610
D-02-08 21	57-63	970	970	970	970	970	970	980
	64-70	980	980	970	970	970	970	1260
	71-77	1260	1260	1260	1260	1260	1260	1260
D-02-08 27	57-63	570	570	570	570	570	570	580
	64-70	580	580	570	570	570	570	740
	71-77	740	740	740	740	740	740	740
D-02-08 28	57-63	970	970	970	970	970	970	980
	64-70	980	980	970	970	970	970	1260
	71-77	1260	1260	1260	1260	1260	1260	1260
D-02-08 29	57-63	470	470	470	470	470	470	480
	64-70	480	480	470	470	470	470	610
	71-77	610	610	610	610	610	610	610
D-02-08 30	57-63	670	670	670	670	670	670	680
	64-70	680	680	670	670	670	670	870
	71-77	870	870	870	870	870	870	870
D-03-05 33	57-63	250	250	250	250	250	250	250
	64-70	250	250	250	250	250	250	250
	71-77	250	250	250	250	250	250	250
D-03-05 34	57-63	1300	1300	1300	1300	1300	1300	1300
	64-70	1300	1300	1300	1300	1300	1300	1300
	71-77	1300	1300	1300	1300	1300	1300	1300
D-03-05 35	57-63	1300	1300	1300	1300	1300	1300	1300
	64-70	1300	1300	1300	1300	1300	1300	1300
	71-77	1300	1300	1300	1300	1300	1300	1300
D-03-06 20	57-63	490	490	490	490	490	490	490
	64-70	490	490	490	490	490	490	490
	71-77	490	490	490	490	490	490	490

ORIGINAL RECHARGE ESTMATES

LOCATION	YEARS							
D-03-06 29	57-63	370	370	370	370	370	370	370
	64-70	370	370	370	370	370	370	370
	71-77	370	370	370	370	370	370	370
D-03-06 32	57-63	490	490	490	490	490	490	490
	64-70	490	490	490	490	490	490	490
	71-77	490	490	490	490	490	490	490
D-04-05 01	57-63	1000	1000	1000	1000	1000	1000	1000
	64-70	1000	1000	1000	1000	1000	1000	1000
	71-77	1000	1000	1000	1000	1000	1000	1000
D-04-06 05	57-63	1000	1000	1000	1000	1000	1000	1000
	64-70	1000	1000	1000	1000	1000	1000	1000
	71-77	1000	1000	1000	1000	1000	1000	1000
D-04-06 06	57-63	1000	1000	1000	1000	1000	1000	1000
	64-70	1000	1000	1000	1000	1000	1000	1000
	71-77	1000	1000	1000	1000	1000	1000	1000
D-04-08 24	57-63	670	670	670	670	670	670	670
	64-70	670	670	670	670	670	670	670
	71-77	670	670	670	670	670	670	670
D-04-09 19	57-63	670	670	670	670	670	670	670
	64-70	670	670	670	670	670	670	670
	71-77	670	670	670	670	670	670	670
D-04-09 20	57-63	1000	1000	1000	1000	1000	1000	1000
	64-70	1000	1000	1000	1000	1000	1000	1000
	71-77	1000	1000	1000	1000	1000	1000	1000
D-04-09 21	57-63	1000	1000	1000	1000	1000	1000	1000
	64-70	1000	1000	1000	1000	1000	1000	1000
	71-77	1000	1000	1000	1000	1000	1000	1000
D-04-09 22	57-63	1300	1300	1300	1300	1300	1300	1300
	64-70	1300	1300	1300	1300	1300	1300	1300
	71-77	1300	1300	1300	1300	1300	1300	1300
D-04-09 23	57-63	1300	1300	1300	1300	1300	1300	1300
	64-70	1300	1300	1300	1300	1300	1300	1300
	71-77	1300	1300	1300	1300	1300	1300	1300
D-04-09 24	57-63	1700	1700	1700	1700	1700	1700	1700
	64-70	1700	1700	1700	1700	1700	1700	1700
	71-77	1700	1700	1700	1700	1700	1700	1700
D-04-10 11	57-63	1900	1900	1900	1900	1900	1900	1900
	64-70	1900	1900	1900	1900	1900	1900	1900
	71-77	1900	1900	1900	1900	1900	1900	1900
D-04-10 15	57-63	1900	1900	1900	1900	1900	1900	1900
	64-70	1900	1900	1900	1900	1900	1900	1900
	71-77	1900	1900	1900	1900	1900	1900	1900
D-04-10 16	57-63	1900	1900	1900	1900	1900	1900	1900
	64-70	1900	1900	1900	1900	1900	1900	1900
	71-77	1900	1900	1900	1900	1900	1900	1900
D-04-10 17	57-63	1900	1900	1900	1900	1900	1900	1900
	64-70	1900	1900	1900	1900	1900	1900	1900
	71-77	1900	1900	1900	1900	1900	1900	1900

TABLE A3 CALIBRATED RECHARGE PAGE 1

LOCATIONS		YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-01-01	01	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	1610	1562	1470	1504	1386	1028
A-01-01	02	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	2162	2106	2000	2040	1686	1028
A-01-01	03	57-63	1340	2062	1759	1556	1464	1451	1512
		64-70	1748	735	1396	772	766	751	1510
		71-77	1603	1890	1842	1746	1782	1552	1065
A-01-01	04	57-63	1340	2062	1759	1556	1464	1451	1512
		64-70	1748	735	1396	772	766	751	1510
		71-77	1603	1302	1267	1196	1222	1294	1065
A-01-01	05	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	1608	1397	1500	1500	1275	1028
A-01-01	06	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	2728	1818	2491	2560	1386	1028
A-01-01	07	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01	08	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	1526	1480	1393	1426	1386	1028
A-01-01	09	57-63	1340	2062	1759	1556	1464	1451	1512
		64-70	1748	735	1396	772	766	751	1510
		71-77	1603	1631	1587	1498	1531	1422	1065
A-01-01	10	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	1822	1775	1684	1718	1626	1028
A-01-01	11	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	2850	2777	2637	2689	1786	1028
A-01-01	12	57-63	1340	2062	1759	1556	1464	1451	1512
		64-70	1748	735	1396	772	766	751	1510
		71-77	1603	3863	3774	3596	3662	2022	1065
A-01-01	13	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	1904	1847	1738	1779	1386	1028
A-01-01	14	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	1666	1616	1521	1557	1386	1028
A-01-01	15	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	1400	1358	1278	1308	1386	1028
A-01-01	16	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	1526	1430	1393	1426	1386	1028
A-01-01	17	57-63	1317	2036	1733	1531	1439	1425	1486
		64-70	1722	761	1369	744	736	722	1481
		71-77	1572	1596	1548	1457	1491	1385	1028

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-01-01 18	57-63	1340	2062	1759	1556	1464	1451	1512
	64-70	1748	735	1396	772	766	751	1510
	71-77	1603	1646	1601	1511	1544	1422	1065
A-01-01 19	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1400	1358	1278	1303	1386	1028
A-01-01 20	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1358	1317	1240	1269	1344	1028
A-01-01 21	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1148	1114	1048	1073	1137	1028
A-01-01 22	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	879	853	802	821	1012	1028
A-01-01 23	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1526	1480	1393	1426	1386	1028
A-01-01 24	57-63	1340	2062	1759	1556	1464	1451	1512
	64-70	1748	735	1396	772	766	751	1510
	71-77	1603	1631	1587	1498	1531	1422	1065
A-01-01 25	57-63	1317	2036	1745	4671	4679	4745	4826
	64-70	4672	2331	3313	2567	2576	3338	3931
	71-77	4122	3706	8442	4965	4552	5232	4648
A-01-01 26	57-63	1317	2036	1745	4671	4679	4745	4826
	64-70	4672	2331	3313	2567	2576	3338	3931
	71-77	4122	3989	9085	5343	4900	5343	4648
A-01-01 27	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1190	1154	1086	1112	1386	1028
A-01-01 28	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1106	1073	1010	1033	1095	1028
A-01-01 29	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1092	1059	997	1020	1081	1028
A-01-01 30	57-63	1317	2036	1733	1531	1439	1425	1486
	64-70	1722	761	1369	744	736	722	1481
	71-77	1572	1372	1331	1252	1282	1358	1028
A-01-01 31	57-63	1317	2036	1745	1990	1956	1982	2030
	64-70	2312	1047	3383	2947	2566	3048	3731
	71-77	3712	2903	4868	3537	3270	4082	4618
A-01-01 32	57-63	1317	2036	1745	1990	1956	1982	2030
	64-70	2312	1047	3333	2947	2566	3048	3731
	71-77	3712	2840	4762	3460	3197	4082	4618
A-01-01 33	57-63	1317	2036	1745	1990	1956	1982	2030
	64-70	2312	1047	3383	2947	2566	3048	3731
	71-77	3712	2935	4922	3576	3306	4082	4618
A-01-01 34	57-63	1317	2036	1745	4671	4679	4745	4726
	64-70	4672	2331	3313	2567	2576	3338	3931
	71-77	4122	3587	8170	4805	4406	5009	4648
A-01-01 35	57-63	1317	2036	1745	4671	4679	4745	4726
	64-70	4672	2331	3313	2567	2576	3338	3931
	71-77	4122	3667	8352	4912	4504	5176	4648

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-01-01 36	57-63	1317	2036	1733	4671	4679	4745	4726
	64-70	4672	2331	2719	2084	2576	3052	3931
	71-77	4122	3473	4249	4331	4265	5065	4648
A-01-02 01	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 02	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 03	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 04	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 05	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 06	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1101	1075	1019	1038	1099	915
A-01-02 07	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	3137	3126	2995	3039	1699	915
A-01-02 08	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	3208	3130	2977	3032	1628	842
A-01-02 09	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	3296	3228	3093	3141	2028	842
A-01-02 10	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	2400	2344	2221	2263	1099	915
A-01-02 11	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	3714	3654	3524	3568	2259	915
A-01-02 12	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	3068	3015	2899	2938	1899	915
A-01-02 13	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	6925	6790	6501	6600	2319	915
A-01-02 14	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	7035	5754	7362	7100	2815	915
A-01-02 15	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	5923	5114	6180	6505	2408	842
A-01-02 16	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	3460	3380	3224	3281	1828	842
A-01-02 17	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	2952	2879	2735	2787	1528	842

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-01-02 13	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	3603	3530	3377	3432	2028	842
A-01-02 19	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1039	1008	947	969	1028	842
A-01-02 20	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1278	1240	1165	1192	1028	842
A-01-02 21	57-63	950	1467	1262	4243	4279	4348	4312
	64-70	4192	2120	2933	2359	2371	3137	3547
	71-77	3717	3879	9307	5349	4869	5208	4462
A-01-02 22	57-63	950	1467	1262	4243	4279	4348	4312
	64-70	4192	2120	2933	2359	2371	3137	3547
	71-77	3717	3879	9307	5349	4869	5208	4462
A-01-02 23	57-63	950	1467	1262	1103	1039	1028	1072
	64-70	1242	550	1583	1019	531	807	1097
	71-77	1167	1455	7668	1875	1357	1028	842
A-01-02 24	57-63	950	1467	1262	1103	1039	1028	1072
	64-70	1242	550	1583	1019	531	807	1097
	71-77	1167	1822	7769	2224	1728	1458	842
A-01-02 25	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1436	1451	1376	1401	1099	915
A-01-02 26	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1797	1744	1638	1676	1028	842
A-01-02 27	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	1365	1333	1264	1287	1099	915
A-01-02 28	57-63	950	1467	1262	1103	1039	1028	1072
	64-70	1242	550	1583	1019	531	807	1097
	71-77	1167	937	5203	1272	921	977	842
A-01-02 29	57-63	950	1467	1262	4243	4279	4348	4312
	64-70	4192	2120	2933	2359	2371	3137	3547
	71-77	3717	3248	7791	4479	4077	4791	4462
A-01-02 30	57-63	950	1467	1262	4243	4279	4348	4312
	64-70	4192	2120	2933	2359	2371	3137	3547
	71-77	3717	3073	7371	4236	3857	4687	4462
A-01-02 31	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	859	839	795	810	1099	915
A-01-02 32	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	904	877	824	843	1028	842
A-01-02 33	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	576	559	525	538	761	842
A-01-02 34	57-63	996	1519	1301	1153	1089	1079	1124
	64-70	1294	599	1042	591	590	579	1154
	71-77	1228	969	946	897	913	967	915
A-01-02 35	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1143	1109	1042	1066	1028	842

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-01-02 36	57-63	950	1467	1250	1103	1039	1028	1072
	64-70	1242	550	989	536	531	521	1097
	71-77	1167	1205	1169	1099	1124	1028	842
A-01-03 01	57-63	453	679	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	438	483	464	471	496	423
A-01-03 02	57-63	453	679	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	658	653	634	641	666	423
A-01-03 03	57-63	453	679	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	205	203	195	198	496	423
A-01-03 04	57-63	453	679	584	510	497	492	509
	64-70	581	287	478	289	292	286	508
	71-77	539	361	357	343	349	496	423
A-01-03 05	57-63	400	619	525	453	439	433	450
	64-70	522	231	417	226	224	219	442
	71-77	469	80	78	73	75	282	339
A-01-03 06	57-63	453	676	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	376	372	357	363	382	423
A-01-03 07	57-63	400	619	525	453	439	433	450
	64-70	522	231	417	226	224	219	442
	71-77	469	876	853	800	823	414	339
A-01-03 08	57-63	453	679	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	102	101	97	99	496	423
A-01-03 09	57-63	400	619	525	453	439	433	450
	64-70	522	231	417	226	224	219	442
	71-77	469	0	0	0	0	0	339
A-01-03 10	57-63	453	679	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	0	0	0	0	0	423
A-01-03 11	57-63	453	679	584	510	497	482	509
	64-70	581	237	478	289	292	286	508
	71-77	539	0	0	0	0	0	423
A-01-03 12	57-63	453	679	584	510	497	482	509
	64-70	581	237	478	289	292	286	508
	71-77	539	259	256	246	250	496	423
A-01-03 13	57-63	400	619	537	453	439	423	450
	64-70	522	231	1011	709	224	505	442
	71-77	469	92	1073	170	86	223	339
A-01-03 14	57-63	400	619	537	453	439	423	450
	64-70	522	231	1011	709	224	505	442
	71-77	469	51	597	95	48	145	339
A-01-03 15	57-63	453	679	596	510	497	492	509
	64-70	581	237	1072	772	292	572	508
	71-77	539	116	1177	204	112	238	423
A-01-03 16	57-63	0	619	537	453	439	433	450
	64-70	522	231	1011	709	224	505	442
	71-77	469	31	942	150	76	174	339
A-01-03 17	57-63	400	619	525	453	439	433	450
	64-70	522	231	417	226	224	219	442
	71-77	469	26	25	23	24	149	339

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-01-03 13	57-63	453	679	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	1184	1175	1139	1152	758	423
A-01-03 19	57-63	453	679	596	510	497	492	509
	64-70	581	237	1072	772	292	572	508
	71-77	539	438	4952	856	471	496	423
A-01-03 20	57-63	453	679	596	510	497	492	509
	64-70	581	237	1072	772	292	572	508
	71-77	539	249	2526	437	240	496	423
A-01-03 21	57-63	453	679	596	510	497	492	509
	64-70	581	237	1072	772	292	572	508
	71-77	539	156	1578	273	150	293	423
A-01-03 22	57-63	453	679	596	510	497	492	509
	64-70	581	287	1072	772	292	572	508
	71-77	539	202	2052	354	195	367	423
A-01-03 23	57-63	453	679	596	510	497	492	509
	64-70	581	287	1072	772	292	572	508
	71-77	539	264	2674	462	254	496	423
A-01-03 24	57-63	400	619	537	453	439	433	450
	64-70	522	231	1011	709	224	505	442
	71-77	469	112	1314	208	106	228	339
A-01-03 25	57-63	453	679	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	0	0	0	0	0	423
A-01-03 26	57-63	453	679	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	0	0	0	0	0	423
A-01-03 27	57-63	453	679	534	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	438	483	464	471	496	423
A-01-03 28	57-63	453	679	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	0	0	0	0	0	423
A-01-03 29	57-63	453	679	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	12	12	12	12	60	423
A-01-03 30	57-63	453	679	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	488	483	464	471	496	423
A-01-03 31	57-63	453	679	584	510	497	492	509
	64-70	581	237	478	289	292	286	508
	71-77	539	678	671	645	655	496	423
A-01-03 32	57-63	1789	1961	2012	1709	2123	2006	1784
	64-70	1971	1454	1595	1852	1755	1898	2193
	71-77	2101	942	1424	831	1415	1706	1823
A-01-03 33	57-63	1789	1961	2012	1709	2123	2006	1784
	64-70	1971	1454	1595	1852	1755	1898	2193
	71-77	2101	953	1440	840	1431	1725	1823
A-01-03 34	57-63	1736	1901	1953	1652	2065	1947	1725
	64-70	1912	1393	1534	1789	1687	1831	2127
	71-77	2031	922	1416	797	1405	1773	1739
A-01-03 35	57-63	1789	1961	2012	1709	2123	2006	1784
	64-70	1971	1454	1595	1852	1755	1898	2193
	71-77	2101	635	1035	604	1028	1555	1823

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-01-03 36	57-63	1789	1961	2012	1709	2123	2006	1784
	64-70	1971	1454	1595	1852	1755	1898	2193
	71-77	2101	313	473	276	469	1031	1823
A-01-04 01	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	250	251	250	250	318	284
A-01-04 02	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	586	590	584	584	318	284
A-01-04 11	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	666	670	664	664	318	284
A-01-04 12	57-63	417	647	562	486	458	453	472
	64-70	297	241	1030	1156	906	515	215
	71-77	228	347	7979	987	325	201	165
A-01-04 13	57-63	417	647	562	486	458	453	472
	64-70	297	241	1030	1156	906	515	215
	71-77	228	246	5646	698	230	201	165
A-01-04 14	57-63	417	647	562	486	458	453	472
	64-70	297	241	1030	1156	906	515	215
	71-77	228	238	5459	675	222	201	165
A-01-04 15	57-63	493	732	645	567	541	537	557
	64-70	382	321	1116	1246	1003	610	309
	71-77	327	135	2913	424	185	318	284
A-01-04 16	57-63	493	732	645	567	541	537	557
	64-70	382	321	1116	1246	1003	610	309
	71-77	327	255	4011	584	255	318	284
A-01-04 17	57-63	493	732	645	567	541	537	557
	64-70	382	321	1116	1246	1003	610	309
	71-77	327	274	4298	626	273	318	284
A-01-04 18	57-63	493	732	645	567	541	537	557
	64-70	382	321	1116	1246	1003	610	309
	71-77	327	164	2576	375	164	264	284
A-01-04 19	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	0	0	0	0	318	284
A-01-04 20	57-63	417	647	550	486	458	453	472
	64-70	297	241	436	673	906	229	215
	71-77	228	0	0	0	0	201	165
A-01-04 21	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	155	156	155	155	318	284
A-01-04 22	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	55	55	55	55	318	284
A-01-04 23	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	0	0	0	0	318	284
A-01-04 24	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	353	355	351	351	313	284
A-01-04 25	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	240	242	239	239	318	284

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-01-04 26	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	79	80	79	79	318	284
A-01-04 27	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	304	306	303	303	318	284
A-01-04 23	57-63	417	647	550	486	458	453	472
	64-70	297	241	436	673	906	229	215
	71-77	228	0	0	0	0	201	165
A-01-04 29	57-63	417	647	550	486	458	453	472
	64-70	297	241	436	673	906	229	215
	71-77	228	71	69	65	67	201	165
A-01-04 30	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	0	0	0	0	67	284
A-01-04 31	57-63	1829	2014	2061	1766	2167	2051	1832
	64-70	1772	1438	1639	2326	2466	1936	1994
	71-77	1889	820	1317	724	1314	1598	1684
A-01-04 32	57-63	1829	2014	2061	1766	2167	2051	1832
	64-70	1772	1438	1639	2326	2466	1936	1994
	71-77	1889	1063	1706	938	1703	1718	1684
A-01-04 33	57-63	1829	2014	2061	1766	2167	2051	1832
	64-70	1772	1438	1639	2326	2466	1936	1994
	71-77	1889	1063	1706	938	1703	1718	1684
A-01-04 34	57-63	1829	2014	2061	1766	2167	2051	1832
	64-70	1772	1438	1639	2326	2466	1936	1994
	71-77	1889	1063	1706	938	1703	1718	1684
A-01-04 35	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	0	0	0	0	318	284
A-01-04 36	57-63	493	732	633	567	541	537	557
	64-70	382	321	522	763	1003	324	309
	71-77	327	328	330	327	327	318	284
A-01-05 01	57-63	2147	2674	2822	2953	2656	3897	7484
	64-70	3474	1849	2432	2391	2481	1914	1683
	71-77	2174	1421	4163	2646	1740	2374	600
A-01-05 02	57-63	1718	2310	1919	1640	1974	2054	1918
	64-70	1860	1531	1837	1707	1701	1320	1228
	71-77	1334	1168	5601	3508	1756	1642	1511
A-01-05 03	57-63	879	1361	1170	1021	964	952	994
	64-70	1152	509	1509	980	491	768	782
	71-77	830	931	6523	1342	871	733	600
A-01-05 04	57-63	879	1361	1170	1021	964	952	994
	64-70	1152	509	1509	980	491	768	782
	71-77	830	1116	7817	1608	1043	733	600
A-01-05 05	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	5407	474	0	0	0
A-01-05 06	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	338	338	338	338	0	0
A-01-05 07	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	1375	1375	1375	1375	0	0

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-01-05 03	57-63	879	1361	1170	1021	964	952	994
	64-70	1152	509	1509	980	491	768	782
	71-77	830	939	6575	1353	878	733	600
A-01-05 09	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1975	2740	1758	2723	2242	2111
A-01-05 10	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1593	2210	1418	2196	2242	2111
A-01-05 11	57-63	4140	4573	4189	3526	4024	2981	6944
	64-70	5761	3250	3613	3556	3519	3538	3710
	71-77	4073	3310	3712	2700	3823	3665	2111
A-01-05 12	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	533	996	581	581	571	870
	71-77	923	701	680	658	669	842	711
A-01-05 13	57-63	1594	2045	1908	1709	1696	1596	1587
	64-70	1780	1115	1578	1309	1312	1347	1742
	71-77	1869	1012	1090	1471	1451	1542	1411
A-01-05 14	57-63	3014	3453	3440	3168	3613	2753	2662
	64-70	3355	2450	2813	2788	2649	2855	3167
	71-77	3140	2224	2806	2026	2810	2824	711
A-01-05 15	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1736	2409	1546	2394	2242	2111
A-01-05 16	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1593	2210	1418	2196	2242	2111
A-01-05 17	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2133	2555
	71-77	2485	1593	2210	1418	2196	2242	2111
A-01-05 18	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1768	2453	1574	2438	2242	2111
A-01-05 19	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1609	2232	1432	2218	2242	2111
A-01-05 20	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 21	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	533	996	581	581	571	870
	71-77	923	830	806	779	792	842	711
A-01-05 22	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	533	996	581	581	571	870
	71-77	923	970	806	910	792	842	711
A-01-05 23	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	901	875	846	860	842	711
A-01-05 24	57-63	1594	2045	1903	1709	1696	1596	1587
	64-70	1780	1115	1578	1309	1312	1347	1742
	71-77	1869	1638	1766	2383	2350	1542	1411
A-01-05 25	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	533	996	581	581	571	870
	71-77	923	676	656	634	645	842	711

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-01-05 26	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 27	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	834	810	783	796	842	711
A-01-05 28	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	701	680	658	669	842	711
A-01-05 29	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	642	624	603	613	842	711
A-01-05 30	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1752	2431	1560	2416	2242	2111
A-01-05 31	57-63	2286	2722	2664	2296	2667	2544	2348
	64-70	2621	1750	2113	2144	2044	2183	2555
	71-77	2485	1561	2166	1390	2152	2242	2111
A-01-05 32	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	174	168	163	166	842	711
A-01-05 33	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	158	154	149	151	842	711
A-01-05 34	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	540	525	507	516	842	711
A-01-05 35	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	600	583	564	573	842	711
A-01-05 36	57-63	950	1440	1236	1097	1041	1030	1073
	64-70	1231	583	996	581	581	571	870
	71-77	923	909	883	853	868	842	711
A-01-06 04	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	388	388	362	403	839	839
A-01-06 05	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	0	0	0	0	839	839
A-01-06 06	57-63	2411	2431	2041	1779	1787	1651	5742
	64-70	3871	2165	2229	2307	2436	2657	2651
	71-77	2932	1054	1902	786	657	2480	839
A-01-06 07	57-63	2021	2835	2487	2376	2147	2181	2288
	64-70	2543	1427	2275	1610	1625	1980	2699
	71-77	2677	3236	6346	2622	1833	2154	1928
A-01-06 03	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	2642	5532	2054	1369	1639	1639
A-01-06 09	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	471	470	439	489	839	839
A-01-06 15	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	300	300	300	300	0	0

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-01-06 16	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	339	338	316	352	839	839
A-01-06 17	57-63	1344	1376	1356	1484	1440	1488	1525
	64-70	1530	1426	1496	1608	1641	2048	2180
	71-77	2076	2741	5672	2157	1459	1729	1731
A-01-06 18	57-63	1486	2274	1245	1726	1628	1610	1674
	64-70	1938	837	1558	877	873	858	1417
	71-77	1504	1081	1056	1004	1022	1354	1128
A-01-06 19	57-63	2130	2879	1917	2338	2283	2176	2188
	64-70	2487	1419	2140	1605	1604	1634	2289
	71-77	2450	1342	1405	1711	1701	2054	1828
A-01-06 20	57-63	2021	2835	1787	2376	2147	2181	2288
	64-70	2543	1427	2275	1610	1625	1930	2699
	71-77	2677	3226	6404	2645	1849	2154	1928
A-01-06 21	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	2752	5763	2140	1426	1639	1639
A-01-06 22	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	132	182	170	189	839	839
A-01-06 27	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	0	0	0	0	839	839
A-01-06 23	57-63	1344	1376	1356	1484	1440	1488	1525
	64-70	1530	1426	1496	1608	1641	2048	2180
	71-77	2076	2120	4383	1668	1129	1729	1731
A-01-06 29	57-63	2130	2879	2617	2338	2283	2176	2188
	64-70	2487	1419	2140	1605	1604	1634	2289
	71-77	2450	745	780	949	944	2054	1828
A-01-06 30	57-63	2130	2879	2617	2338	2283	2176	2188
	64-70	2487	1419	2140	1605	1604	1634	2289
	71-77	2450	1404	1471	1790	1780	2054	1828
A-01-06 31	57-63	1486	2274	1945	1726	1628	1610	1674
	64-70	1938	887	1558	877	873	858	1417
	71-77	1504	1094	1069	1017	1035	1354	1128
A-01-06 32	57-63	2071	2814	2553	2275	2219	2111	2123
	64-70	2422	1358	2073	1536	1529	1560	2217
	71-77	2373	954	998	1222	1217	1964	1736
A-01-06 33	57-63	1962	2770	2423	2313	2083	2116	2223
	64-70	2478	1366	2203	1541	1550	1906	2627
	71-77	2600	2449	4775	1935	1337	2064	1836
A-01-06 34	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	1539	3223	1197	798	1639	1639
A-01-06 35	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	0	0	0	0	839	839
A-01-07 33	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	138	138	138	138	0	0
A-01-07 34	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	525	525	525	525	0	0

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-02-01 01	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 02	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 03	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 04	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 05	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 06	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	170	145	173	108	0	0
A-02-01 07	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	431	365	373	524	0	0
A-02-01 08	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2395	2122	1554	1753	1838	1559
A-02-01 09	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2395	2122	1554	1753	1838	1559
A-02-01 10	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2395	2122	1554	1753	1838	1559
A-02-01 11	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2275	2016	1476	1665	1746	1559
A-02-01 12	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	837	1719
	71-77	1823	1471	1436	1361	1389	1468	1354
A-02-01 13	57-63	1809	2597	2264	1822	2004	2091	1996
	64-70	2239	979	1696	1309	1520	1996	2385
	71-77	2378	2253	2010	1500	1677	1931	1654
A-02-01 14	57-63	1809	2597	2264	1822	2004	2091	1996
	64-70	2239	979	1696	1309	1520	1996	2385
	71-77	2378	2253	2010	1500	1677	1931	1654
A-02-01 15	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2034	1846	1352	1525	1838	1559
A-02-01 16	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	1930	1754	1284	1449	1746	1559
A-02-01 17	57-63	1748	2530	2199	1756	1937	2023	1928
	64-70	2171	915	1627	1237	1443	1920	2310
	71-77	2299	2395	2122	1554	1753	1833	1559
A-02-01 18	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-02-01 19	57-63	1479	2233	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 20	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	887	1719
	71-77	1823	2416	2369	2265	2303	2021	1354
A-02-01 21	57-63	1479	2233	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1025	996	936	959	1538	1259
A-02-01 22	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	887	1719
	71-77	1823	964	942	893	911	1337	1354
A-02-01 23	57-63	1809	2597	2264	1822	2004	2091	1996
	64-70	2239	979	1696	1309	1520	1996	2385
	71-77	2378	1694	1511	1127	1261	1738	1654
A-02-01 24	57-63	1809	2597	2264	1822	2004	2091	1996
	64-70	2239	979	1696	1309	1520	1996	2385
	71-77	2378	1708	1524	1137	1272	1931	1654
A-02-01 25	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1256	1221	1148	1176	1430	1259
A-02-01 26	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	887	1719
	71-77	1823	1152	1125	1066	1088	1419	1354
A-02-01 27	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	887	1719
	71-77	1823	1056	1031	977	997	1386	1354
A-02-01 28	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1018	939	930	953	1215	1259
A-02-01 29	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	887	1719
	71-77	1823	1967	1925	1830	1865	1768	1354
A-02-01 30	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	2067	2020	1921	1959	1928	1259
A-02-01 31	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1677	1630	1531	1569	1538	1259
A-02-01 32	57-63	1479	2233	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 33	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1755	1705	1602	1642	1538	1259
A-02-01 34	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1755	1705	1602	1642	1538	1259
A-02-01 35	57-63	1479	2238	1947	1719	1619	1602	1671
	64-70	1936	855	1541	828	826	811	1644
	71-77	1744	1553	1509	1418	1453	1538	1259
A-02-01 36	57-63	1540	2355	2012	1785	1686	1670	1739
	64-70	2004	919	1610	900	903	837	1719
	71-77	1823	1634	1596	1512	1543	1631	1354

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-02-02 01	57-63	383	551	433	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	374	373	376	375	391	308
A-02-02 02	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 03	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 04	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 05	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 06	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 07	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 08	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 09	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	404	403	406	405	421	308
A-02-02 10	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 11	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 12	57-63	383	551	433	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 13	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	249	253	251	250	341	308
A-02-02 14	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	447	453	450	449	341	308
A-02-02 15	57-63	383	551	433	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	323	326	325	341	308
A-02-02 16	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 17	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	872	830	876	874	591	308
A-02-02 18	57-63	383	551	433	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	262	266	264	263	341	308

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-02-02 19	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	579	819	1429	544	641	608
A-02-02 20	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 21	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 22	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 23	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 24	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608
A-02-02 25	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608
A-02-02 26	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608
A-02-02 27	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	733	1035	1806	688	641	608
A-02-02 28	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608
A-02-02 29	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	666	941	1642	625	641	608
A-02-02 30	57-63	652	793	735	473	736	835	686
	64-70	717	323	492	681	1061	1383	993
	71-77	902	593	837	1461	556	570	608
A-02-02 31	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	447	453	450	449	341	308
A-02-02 32	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	516	520	518	517	471	308
A-02-02 33	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	522	528	525	523	341	308
A-02-02 34	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	323	326	325	341	308
A-02-02 35	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	324	328	326	325	341	308
A-02-02 36	57-63	383	551	483	436	418	414	429
	64-70	482	263	406	272	444	274	327
	71-77	347	266	269	267	267	280	308

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-02-03 04	57-63	1642	1651	1388	1945	2005	2148	1877
	64-70	1593	1576	1936	1894	2264	2426	1699
	71-77	1833	1561	1279	1290	1284	1288	1676
A-02-03 05	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 06	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 07	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	513	536	566	549	363	176
A-02-03 03	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 09	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	14	14	16	15	16	176
A-02-03 10	57-63	1642	1651	1388	1945	2005	2148	1877
	64-70	1593	1576	1936	1894	2264	2426	1699
	71-77	1833	497	407	410	409	954	1676
A-02-03 13	57-63	1642	1651	1388	1945	2005	2148	1877
	64-70	1593	1576	1936	1894	2264	2426	1699
	71-77	1833	0	0	0	0	1673	1676
A-02-03 14	57-63	1642	1651	1388	1945	2005	2148	1877
	64-70	1593	1576	1936	1894	2264	2426	1699
	71-77	1833	0	0	0	0	1673	1676
A-02-03 15	57-63	1642	1651	1388	1945	2005	2148	1877
	64-70	1593	1576	1936	1894	2264	2426	1699
	71-77	1833	0	0	0	0	1673	1676
A-02-03 16	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	35	37	40	38	173	176
A-02-03 17	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	426	457	497	474	173	176
A-02-03 13	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	230	241	255	247	253	176
A-02-03 19	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	492	774	1491	467	473	476
A-02-03 20	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	600	944	1819	570	473	476
A-02-03 21	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	226	356	686	215	473	476
A-02-03 22	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	310	488	939	294	473	476
A-02-03 23	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	137	294	567	177	473	476

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-02-03 24	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	404	411	421	415	473	176
A-02-03 25	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	563	594	634	611	310	176
A-02-03 26	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	47	50	54	52	173	176
A-02-03 27	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	453	712	1372	430	473	476
A-02-03 23	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	492	774	1491	467	473	476
A-02-03 29	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 30	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	131	140	152	145	173	176
A-02-03 31	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 32	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 33	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	150	161	175	167	173	176
A-02-03 34	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	462	728	1402	439	473	476
A-02-03 35	57-63	550	618	589	353	625	728	573
	64-70	581	276	390	636	855	1315	805
	71-77	702	600	944	1819	570	473	476
A-02-03 36	57-63	281	376	337	316	307	307	316
	64-70	346	216	304	227	238	206	139
	71-77	147	602	631	669	648	373	176
A-02-04 11	57-63	1517	1702	1733	1858	1893	1889	2061
	64-70	1766	1330	1532	1581	1904	2032	991
	71-77	2130	434	1114	1020	359	1606	1587
A-02-04 12	57-63	1614	1811	1845	1962	1999	1996	2169
	64-70	1874	1432	1642	1696	2028	2154	1111
	71-77	2257	2053	4594	4229	1571	1755	1740
A-02-04 13	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	237	244	249	245	255	240
A-02-04 14	57-63	1614	1811	1845	1962	1999	1996	2169
	64-70	1874	1432	1642	1696	2023	2154	1111
	71-77	2257	149	332	306	113	1755	1740
A-02-04 19	57-63	1517	1516	1256	1310	1869	2010	1737
	64-70	1451	1450	1794	1755	2113	2305	1673
	71-77	1806	1934	1604	1598	1600	1606	1587

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-02-04 22	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	1702	4034	3694	1245	1500	1500
A-02-04 23	57-63	1614	1811	1845	1962	1999	1996	2169
	64-70	1874	1432	1642	1696	2028	2154	1111
	71-77	2257	1921	4237	3947	1466	1755	1740
A-02-04 24	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	844	869	886	872	255	240
A-02-04 25	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	1293	1332	1360	1338	255	240
A-02-04 26	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	513	528	539	531	255	240
A-02-04 27	57-63	1517	1702	1738	1858	1893	1889	2061
	64-70	1766	1330	1532	1581	1904	2032	991
	71-77	2130	2049	4716	4321	1520	1606	1587
A-02-04 30	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	674	688	698	690	455	240
A-02-04 31	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	408	420	428	421	255	240
A-02-04 34	57-63	1614	1811	1845	1962	1999	1996	2169
	64-70	1874	1432	1642	1696	2028	2154	1111
	71-77	2257	2196	4900	4511	1675	1755	1740
A-02-04 35	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	1023	1054	1075	1058	255	240
A-02-04 36	57-63	253	350	312	285	277	276	284
	64-70	312	192	272	203	211	207	233
	71-77	247	250	257	263	259	255	240
A-02-05 07	57-63	1361	1461	1545	1677	1722	1720	1885
	64-70	1562	1240	1964	1976	1817	2233	878
	71-77	2010	1754	7982	4143	1283	1500	1500
A-02-05 03	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-05 09	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	557	472	557	656	0	0
A-02-05 10	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	297	251	296	350	0	0
A-02-05 15	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	2050	4860	4450	1500	1500	1500
A-02-05 16	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	2235	5297	4851	1635	1500	1500
A-02-05 17	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	2235	5297	4851	1635	1500	1500

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-02-05 13	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	1495	131	0	0	0
A-02-05 22	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	1565	3711	3398	1145	1500	1500
A-02-05 23	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	1623	3848	3523	1188	1500	1500
A-02-05 24	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1947	878
	71-77	2010	641	1518	1390	469	1500	1500
A-02-05 25	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	0	0	0	0	0
A-02-05 26	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	1661	146	0	0	0
A-02-05 30	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	457	386	455	539	0	0
A-02-05 34	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
A-02-06 16	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1917	878
	71-77	2010	558	1322	1211	408	1500	1500
A-02-06 17	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1917	878
	71-77	2010	150	357	327	110	1500	1500
A-02-06 18	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1917	878
	71-77	2010	112	266	244	82	1500	1500
A-02-06 19	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1917	878
	71-77	2010	907	2149	1968	663	1500	1500
A-02-06 20	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1917	878
	71-77	2010	1279	3033	2777	936	1500	1500
A-02-06 21	57-63	1361	1461	1533	1677	1722	1720	1885
	64-70	1562	1240	1370	1493	1817	1917	878
	71-77	2010	1536	3759	3443	1160	1500	1500
A-02-06 22	57-63	1894	1990	1432	901	1344	1252	5127
	64-70	3035	1748	1641	2354	3278	3450	2555
	71-77	3732	3120	5533	4976	2268	2870	0
A-02-06 27	57-63	768	870	695	543	933	1024	845
	64-70	629	948	1435	1609	1120	1035	358
	71-77	411	228	8751	2798	800	800	800
A-02-06 28	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	433	0	286	0
	71-77	0	0	4156	365	0	0	0
A-02-06 29	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	3164	277	0	0	0

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-02-06 30	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	1026	90	0	0	0
A-02-06 31	57-63	2363	3335	2783	2398	2678	2749	2645
	64-70	2714	1863	2501	2026	2010	1624	2508
	71-77	2691	1304	3611	2461	1559	2815	2450
A-02-06 32	57-63	1595	2465	2100	1855	1745	1725	1800
	64-70	2085	920	1660	900	890	875	2150
	71-77	2280	1868	1812	1707	1748	2015	1650
A-02-06 33	57-63	768	870	683	543	933	1024	845
	64-70	629	948	841	1126	1120	749	358
	71-77	411	458	6367	3633	1291	800	800
A-03-01 01	57-63	1361	1275	1051	1629	1698	1841	1561
	64-70	1247	1360	1632	1667	2026	2220	1560
	71-77	1686	1877	1500	1500	1500	1500	1500
A-03-01 02	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	633	633	633	633	506	506
A-03-01 03	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	754	754	754	754	506	506
A-03-01 04	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	754	754	754	754	506	506
A-03-01 05	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	706	706	706	706	706	506
A-03-01 06	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	633	633	633	633	506	506
A-03-01 07	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	1007	1007	1007	1007	506	506
A-03-01 08	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-03-01 09	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	754	754	754	754	506	506
A-03-01 10	57-63	1561	2411	2050	1811	1706	1689	1761
	64-70	2039	900	1622	883	872	855	1672
	71-77	1772	1533	1533	1444	1478	1567	1283
A-03-01 11	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 12	57-63	2955	3723	3133	3476	3440	3567	3359
	64-70	3323	2295	3292	2589	2940	3117	3273
	71-77	3502	3505	3081	2996	3023	3118	2835
A-03-01 13	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	891	865	819	836	1165	1335
A-03-01 14	57-63	1561	2411	2050	1811	1706	1689	1761
	64-70	2039	900	1622	883	872	855	1672
	71-77	1772	839	812	765	783	831	1283

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-03-01 15	57-63	1561	2411	2050	1811	1706	1639	1761
	64-70	2039	900	1622	883	872	855	1672
	71-77	1772	1583	1533	1444	1478	1567	1283
A-03-01 16	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	236	215	264	288	0	0
A-03-01 17	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	117	546	595	421	0	0
A-03-01 18	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	295	250	279	213	0	0
A-03-01 19	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	534	566	572	493	150	0
A-03-01 20	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	715	699	547	272	180	0
A-03-01 21	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 22	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 23	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1530	1486	1406	1436	1521	1335
A-03-01 24	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 25	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1547	1502	1421	1452	1618	1335
A-03-01 26	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1742	1692	1601	1635	1618	1335
A-03-01 27	57-63	1594	2448	2087	1847	1742	1726	1798
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1581	1496	1528	1618	1335
A-03-01 28	57-63	1594	2448	2037	1847	1742	1726	1792
	64-70	2076	935	1660	922	914	897	1713
	71-77	1816	1628	1531	1496	1528	1618	1335
A-03-01 29	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	450	450	450	450	200	0
A-03-01 30	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	203	203	203	203	203	0
A-03-01 31	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	702	670	744	781	344	0
A-03-01 32	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	738	717	766	791	500	0

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-03-01 33	57-63	1561	2411	2050	1811	1706	1689	1761
	64-70	2039	900	1622	883	872	855	1672
	71-77	1772	1533	1533	1444	1478	1567	1283
A-03-01 34	57-63	1561	2411	2050	1811	1706	1689	1761
	64-70	2039	900	1622	883	872	855	1672
	71-77	1772	1583	1533	1444	1478	1567	1283
A-03-01 35	57-63	1561	2411	2050	1811	1706	1689	1761
	64-70	2039	900	1622	883	872	855	1672
	71-77	1772	1962	1910	1816	1852	1867	1283
A-03-01 36	57-63	1561	2411	2050	1811	1706	1689	1761
	64-70	2039	900	1622	883	872	855	1672
	71-77	1772	1533	1533	1444	1478	1567	1283
A-03-02 06	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	212	212	212	212	212	0
A-03-02 07	57-63	1361	1275	1051	1629	1698	1841	1561
	64-70	1247	1360	1632	1667	2026	2220	1560
	71-77	1686	1877	1500	1500	1500	1500	1500
A-03-02 13	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	60	60	60	60	60	0
A-03-02 14	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	520	264	455	357	150	0
A-03-02 15	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	1038	907	1071	857	460	0
A-03-02 16	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	100	100	100	100	100	0
A-03-02 17	57-63	2634	3248	2731	3109	3091	3221	3001
	64-70	2914	2100	2959	2387	2739	2920	2620
	71-77	2813	2877	2473	2413	2440	2493	2313
A-03-02 18	57-63	2634	3248	2731	3109	3091	3221	3001
	64-70	2914	2100	2959	2387	2739	2920	2620
	71-77	2813	2485	2137	2085	2108	2393	2313
A-03-02 19	57-63	1358	2068	1773	1571	1486	1474	1535
	64-70	1762	829	1424	821	816	807	1165
	71-77	1239	1114	1096	1045	1067	1124	947
A-03-02 20	57-63	2719	3343	2824	3200	3184	3315	3096
	64-70	3009	2139	3056	2488	2842	3027	2725
	71-77	2925	2032	1764	1729	1744	2257	2447
A-03-02 21	57-63	2719	3343	2824	3200	3184	3315	3096
	64-70	3009	2139	3056	2488	2842	3027	2725
	71-77	2925	1790	1554	1524	1537	2152	2447
A-03-02 22	57-63	1361	1275	1051	1629	1698	1841	1561
	64-70	1247	1360	1632	1667	2026	2220	1560
	71-77	1686	1349	1073	1078	1078	1185	1500
A-03-02 23	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	476	400	734	681	200	0
A-03-02 24	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	490	490	490	490	490	0

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-03-02 25	57-63	1361	1275	1051	1629	1698	1841	1561
	64-70	1247	1360	1632	1667	2026	2220	1560
	71-77	1686	1877	1500	1500	1500	1500	1500
A-03-02 26	57-63	1361	1275	1051	1629	1698	1841	1561
	64-70	1247	1360	1632	1667	2026	2220	1560
	71-77	1686	3099	2605	2605	2605	2140	1500
A-03-02 27	57-63	2719	3343	2824	3200	3184	3315	3096
	64-70	3009	2139	3056	2488	2847	3027	2725
	71-77	2925	2253	1956	1917	1933	2440	2447
A-03-02 28	57-63	2719	3343	2824	3200	3184	3315	3096
	64-70	3009	2139	3056	2488	2847	3027	2725
	71-77	2925	2132	1851	1814	1830	2309	2447
A-03-02 29	57-63	1358	2068	1773	1571	1486	1474	1535
	64-70	1762	829	1424	821	821	807	1165
	71-77	1239	921	906	865	883	1057	947
A-03-02 30	57-63	1358	2068	1773	1571	1486	1474	1535
	64-70	1762	829	1424	821	821	807	1165
	71-77	1239	1174	1156	1105	1127	1184	947
A-03-02 31	57-63	1358	2068	1773	1571	1486	1474	1535
	64-70	1762	829	1424	821	821	807	1165
	71-77	1239	1114	1096	1045	1067	1124	947
A-03-02 32	57-63	1358	2068	1773	1571	1486	1474	1535
	64-70	1762	829	1424	821	821	807	1165
	71-77	1239	1112	1096	1045	1067	1124	947
A-03-02 33	57-63	1358	2068	1773	1571	1486	1474	1535
	64-70	1762	829	1424	821	821	807	1165
	71-77	1239	565	557	531	543	742	947
A-03-02 34	57-63	1358	2068	1773	1573	1486	1474	1535
	64-70	1762	829	1424	821	821	807	1165
	71-77	1239	668	658	628	641	877	947
A-03-02 35	57-63	1358	2068	1773	1573	1486	1474	1535
	64-70	1762	829	1424	821	821	807	1165
	71-77	1239	979	964	920	939	1124	947
A-03-02 36	57-63	1358	2068	1773	1573	1486	1473	1535
	64-70	1762	829	1424	821	821	807	1165
	71-77	1239	956	943	899	918	1124	947
A-03-03 31	57-63	283	332	345	316	309	311	317
	64-70	347	319	305	335	347	241	152
	71-77	161	164	177	191	183	189	193
A-03-03 32	57-63	283	332	345	316	309	311	317
	64-70	347	319	305	335	347	241	152
	71-77	161	123	138	149	143	147	193
A-04-01 13	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 14	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 15	57-63	587	537	537	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 22	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506

TABLE A3 CALIBRATED RECHARGE PAGE 24

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-04-01 23	57-63	587	537	587	587	553	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 24	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	1466	1466	1466	1466	1466	506
A-04-01 25	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	946	946	946	946	946	506
A-04-01 26	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 27	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 23	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	268	268	268	268	268	506
A-04-01 29	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 30	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 31	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	754	754	754	754	506	506
A-04-01 32	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 33	57-63	587	587	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	506	506	506	506	506	506
A-04-01 34	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	1445	1445	1445	1445	1025	506
A-04-01 35	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	1207	1207	1207	1207	706	506
A-04-02 29	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	706	706	706	706	706	506
A-04-02 30	57-63	587	537	587	587	558	545	606
	64-70	519	542	552	561	506	506	506
	71-77	506	1367	1367	1367	1367	866	506
A-04-02 32	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	514	494	521	806	280	0
A-04-02 33	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	360	360	360	360	360	0
A-04-03 01	57-63	36	36	36	36	36	36	36
	64-70	36	36	36	36	36	36	36
	71-77	36	36	36	36	36	36	36

TABLE A3 CALIBRATED RECHARGE

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
A-04-03 02	57-63	18	18	18	18	18	18	18
	64-70	18	18	18	18	18	18	18
	71-77	18	18	18	18	18	18	18
A-04-04 01	57-63	74	74	74	74	74	74	74
	64-70	74	74	74	74	74	74	74
	71-77	74	74	74	74	74	74	74
A-04-04 02	57-63	18	18	18	18	18	18	18
	64-70	18	18	18	18	18	18	18
	71-77	18	18	18	18	18	18	18
A-04-04 03	57-63	360	360	360	360	360	360	360
	64-70	360	360	360	360	360	360	360
	71-77	360	360	360	360	360	360	360
A-04-04 04	57-63	290	290	290	290	290	290	290
	64-70	290	290	290	290	290	290	290
	71-77	290	290	290	290	290	290	290
A-04-04 05	57-63	74	74	74	74	74	74	74
	64-70	74	74	74	74	74	74	74
	71-77	74	74	74	74	74	74	74
A-04-04 06	57-63	36	36	36	36	36	36	36
	64-70	36	36	36	36	36	36	36
	71-77	36	36	36	36	36	36	36
A-04-05 06	57-63	18	18	18	18	18	18	18
	64-70	18	18	18	18	18	18	18
	71-77	18	18	18	18	18	18	18
B-01-01 01	57-63	1320	2043	1740	1535	1445	1430	1490
	64-70	1730	765	1375	746	738	724	1398
	71-77	1483	1320	1283	1205	1235	1308	1070
B-01-01 02	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	637	624	696	669	420	0
B-01-01 03	57-63	830	830	830	830	785	767	856
	64-70	733	767	773	793	715	715	715
	71-77	715	1266	1266	1266	1266	715	715
B-01-01 04	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 05	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 06	57-63	830	830	830	830	785	767	856
	64-70	733	767	773	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-01-01 07	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1685	1751	1794	1827	1290	890
B-01-01 08	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1293	1335	1362	1383	1370	890
B-01-01 09	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	855	882	903	890	890
B-01-01 10	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1098	1154	1191	1219	890	890

LOCATIONS YEARS RECHARGE ESTIMATES USED IN THE MODEL

B-01-01	11	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	198	228	271	301	0	0
B-01-01	12	57-63	1320	2043	1740	1535	1445	1430	1490
		64-70	1730	765	1375	746	738	724	1398
		71-77	1483	1634	1640	1546	1582	1408	1070
B-01-01	13	57-63	1320	2043	1740	1535	1445	1430	1490
		64-70	1730	765	1375	746	738	724	1398
		71-77	1483	1513	1475	1386	1420	1308	1070
B-01-01	14	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	151	126	148	176	0	0
B-01-01	15	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	624	624	831	751	210	0
B-01-01	16	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	0	13	555	431	0	0
B-01-01	17	57-63	767	767	702	752	809	740	796
		64-70	714	767	642	804	802	842	798
		71-77	812	1513	1555	1582	1603	1590	890
B-01-01	18	57-63	767	767	702	752	809	740	796
		64-70	714	767	642	804	802	842	798
		71-77	812	813	855	882	903	890	890
B-01-01	19	57-63	767	767	702	752	809	740	796
		64-70	714	767	642	804	802	842	798
		71-77	812	1563	1623	1661	1691	1290	890
B-01-01	20	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	918	916	805	978	400	0
B-01-01	21	57-63	767	767	702	752	809	740	796
		64-70	714	767	642	804	802	842	798
		71-77	812	2456	2547	2605	2650	1590	890
B-01-01	22	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	343	351	410	411	0	0
B-01-01	23	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	450	450	450	450	0	0
B-01-01	24	57-63	1320	2043	1740	1535	1445	1430	1490
		64-70	1730	765	1375	746	738	724	1398
		71-77	1483	1320	1283	1205	1235	1308	1070
B-01-01	25	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	297	250	296	349	0	0
B-01-01	26	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	250	250	250	250	0	0
B-01-01	27	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	174	147	174	205	0	0
B-01-01	28	57-63	0	12	0	0	0	0	0
		64-70	0	0	594	483	0	286	0
		71-77	0	720	7021	1273	720	720	0

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
B-01-01 29	57-63	0	12	0	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	600	5516	1031	600	600	0
B-01-01 30	57-63	0	12	0	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	4469	392	0	0	0
B-01-01 31	57-63	0	12	0	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	5407	474	0	0	0
B-01-01 32	57-63	0	12	0	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	6123	537	0	0	0
B-01-01 33	57-63	0	12	0	459	517	557	544
	64-70	590	286	2014	2203	1830	2326	2250
	71-77	2140	2495	5252	3501	3100	3360	3590
B-01-01 34	57-63	0	12	0	459	517	557	544
	64-70	590	286	2014	2203	1830	2326	2250
	71-77	2140	2310	4863	3242	2870	3360	3590
B-01-01 35	57-63	0	12	0	459	517	557	544
	64-70	590	286	2014	2203	1830	2326	2250
	71-77	2140	2241	4717	3145	2784	3259	3590
B-01-01 36	57-63	0	12	0	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	3977	349	0	0	0
B-01-02 01	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	1030	1030	1030	1030	715	715
B-01-02 02	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	1942	2010	2041	1967	500	0
B-01-02 03	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	760	760	760	760	760	0
B-01-02 04	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	200	200	200	200	200	0
B-01-02 05	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	240	240	240	240	240	0
B-01-02 03	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	1329	1429	1389	1644	680	0
B-01-02 09	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1935	2049	2094	2127	1590	890
B-01-02 10	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 11	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1313	1354	1382	1403	1390	890
B-01-02 12	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1013	1054	1082	1103	1090	890

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
B-01-02 13	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 14	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	2035	2149	2194	2227	1690	890
B-01-02 15	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1353	1394	1422	1443	1430	890
B-01-02 16	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 17	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1053	1094	1122	1143	1130	890
B-01-02 18	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	989	1039	1073	1099	890	890
B-01-02 19	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1563	1621	1661	1691	1290	890
B-01-02 20	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-02 21	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	2320	2397	2449	2489	1690	890
B-01-02 22	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1449	1502	1538	1565	1290	890
B-01-02 23	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1449	1502	1538	1565	1290	890
B-01-02 24	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1213	1254	1282	1303	1290	890
B-01-02 25	57-63	543	543	555	543	543	543	543
	64-70	553	550	1158	1112	586	878	592
	71-77	592	592	5061	984	592	592	592
B-01-02 26	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	1539	1589	1589	1589	1092	592
B-01-02 27	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1163	1221	1261	1291	890	890
B-01-02 28	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1049	1102	1138	1165	890	890
B-01-02 29	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1049	1102	1138	1165	890	890
B-01-02 30	57-63	767	767	701	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1855	1929	1974	2007	1470	890

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
B-01-02 31	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
B-01-02 32	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
B-01-02 33	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	841	841	841	841	592	592
B-01-02 34	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	967	967	967	967	592	592
B-01-02 35	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	5586	490	0	0	0
B-01-02 36	57-63	0	0	12	0	0	0	0
	64-70	0	0	594	483	0	286	0
	71-77	0	0	5005	439	0	0	0
B-01-03 13	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	892	933	961	982	969	890
B-01-03 14	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	300	300	300	300	300	0
B-01-03 17	57-63	36	36	36	36	36	36	36
	64-70	36	36	36	36	36	36	36
	71-77	36	36	36	36	36	36	36
B-01-03 20	57-63	917	917	852	902	959	890	946
	64-70	864	917	792	954	952	992	948
	71-77	962	963	1004	1032	1053	1040	1040
B-01-03 21	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	577	606	626	641	890	890
B-01-03 22	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 23	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	992	1042	1076	1102	890	890
B-01-03 24	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1498	1553	1591	1619	1290	890
B-01-03 25	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1463	1521	1561	1591	1190	890
B-01-03 26	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 27	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 23	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
B-01-03 27	57-63	1017	1017	952	1002	1059	990	1046
	64-70	964	1017	892	1054	1052	1092	1048
	71-77	1062	1063	1104	1132	1153	1140	1140
B-01-03 32	57-63	1097	1097	1032	1082	1139	1070	1126
	64-70	1044	1097	972	1134	1132	1172	1128
	71-77	1142	937	971	994	1011	1000	1220
B-01-03 33	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 34	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1193	1246	1282	1309	1034	890
B-01-03 35	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	813	854	882	903	890	890
B-01-03 36	57-63	767	767	702	752	809	740	796
	64-70	714	767	642	804	802	842	798
	71-77	812	1860	1931	1979	2015	1352	890
B-02-01 01	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
B-02-01 02	57-63	1165	1165	1165	1165	1105	1030	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	8	8	8	8	30	1010
B-02-01 03	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	636	636	636	636	1010	1010
B-02-01 04	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	329	329	329	329	715	715
B-02-01 05	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 06	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	1437	1437	1437	1437	1315	715
B-02-01 07	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	1616	1616	1616	1616	1115	715
B-02-01 08	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	1165	1165	1165	1165	915	715
B-02-01 09	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	358	358	358	358	715	715
B-02-01 11	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	376	376	376	376	0	0
B-02-01 12	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	510	510	510	510	510	0
B-02-01 13	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	524	524	524	524	524	0

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
B-02-01 14	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	336	386	386	386	386	715
B-02-01 17	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	233	233	233	233	465	715
B-02-01 18	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	372	372	372	372	955	715
B-02-01 19	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	546	546	546	546	658	715
B-02-01 20	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	0	0	0	0	0	715
B-02-01 21	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	0	0	0	0	0	715
B-02-01 22	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	0	0	0	0	0	715
B-02-01 23	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	436	436	436	436	436	715
B-02-01 24	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	266	196	280	310	0	0
B-02-01 25	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	852	738	830	862	397	0
B-02-01 26	57-63	830	830	830	830	785	767	856
	64-70	733	767	773	793	715	715	715
	71-77	715	1004	1004	1004	1004	811	715
B-02-01 27	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	593	593	593	593	715	715
B-02-01 28	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	715	715	715	715	715	715
B-02-01 29	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	611	611	611	611	522	715
B-02-01 30	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	771	771	771	771	543	715
B-02-01 31	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	1415	1415	1415	1415	1115	715
B-02-01 32	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	2467	2412	2594	2552	1215	715
B-02-01 33	57-63	830	830	830	830	785	767	856
	64-70	733	767	773	793	715	715	715
	71-77	715	1037	1087	1087	1087	715	715

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
B-02-01 34	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	2842	2659	3082	2820	1515	715
B-02-01 35	57-63	830	830	830	830	785	767	856
	64-70	733	767	778	793	715	715	715
	71-77	715	1087	1087	1087	1087	715	715
B-02-01 36	57-63	1180	1830	1560	1380	1300	1280	1340
	64-70	1550	1630	1230	670	660	650	1980
	71-77	2100	2231	2208	2086	2257	1520	1520
B-02-02 02	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	297	287	332	293	698	841
B-02-02 03	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	706	683	790	697	841	841
B-02-02 04	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	276	266	308	272	664	841
B-02-02 09	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	335	325	375	331	471	841
B-02-02 10	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	733	709	820	723	841	841
B-02-02 12	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	140	140	140	140	140	0
B-02-02 13	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	159	159	159	159	159	0
B-02-02 14	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	849	822	950	838	841	841
B-02-02 15	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	796	770	890	785	841	841
B-02-02 16	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	527	510	590	520	841	841
B-02-02 21	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	769	744	860	759	723	841
B-02-02 22	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	653	631	730	644	690	841
B-02-02 23	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841
B-02-02 25	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	179	154	213	176	0	0
B-02-02 26	57-63	941	941	941	912	853	853	800
	64-70	759	765	847	882	1102	1024	871
	71-77	900	894	865	1000	882	841	841

TABLE A3 CALIBRATED RECHARGE PAGE 33

LOCATIONS		YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
B-02-02	27	57-63	941	941	941	912	853	853	800
		64-70	759	765	847	882	1102	1024	871
		71-77	900	1375	1339	1510	1360	1081	841
B-02-02	23	57-63	941	941	941	912	853	853	800
		64-70	759	765	847	882	1102	1024	871
		71-77	900	653	631	730	644	841	841
B-02-02	33	57-63	941	941	941	912	853	853	800
		64-70	759	765	847	882	1102	1024	871
		71-77	900	894	865	1000	882	841	841
B-02-02	34	57-63	941	941	941	912	853	853	800
		64-70	759	765	847	882	1102	1024	871
		71-77	900	1138	1109	1244	1126	1085	841
B-02-02	35	57-63	941	941	941	912	853	853	800
		64-70	759	765	847	882	1102	1024	871
		71-77	900	1489	1450	1630	1473	1141	841
B-02-02	36	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	1627	1481	1820	1610	600	0
B-03-01	01	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	318	307	331	344	200	0
B-03-01	02	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	550	550	550	550	550	0
B-03-01	03	57-63	1165	1165	1165	1165	1105	1080	1205
		64-70	1030	1075	1095	1115	1010	1010	1010
		71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01	04	57-63	800	800	800	770	722	722	678
		64-70	641	648	719	748	859	867	741
		71-77	767	759	730	848	748	711	711
B-03-01	05	57-63	800	800	800	770	722	722	678
		64-70	641	648	719	748	859	867	741
		71-77	767	428	412	479	422	590	711
B-03-01	06	57-63	800	800	800	770	722	722	678
		64-70	641	648	719	748	859	867	741
		71-77	767	829	800	918	818	781	711
B-03-01	07	57-63	800	800	800	770	722	722	678
		64-70	641	648	719	748	859	867	741
		71-77	767	759	730	848	748	711	711
B-03-01	03	57-63	1165	1165	1165	1165	1105	1030	1205
		64-70	1030	1075	1095	1115	1010	1010	1010
		71-77	1010	909	909	909	909	909	1010
B-03-01	09	57-63	1165	1165	1165	1165	1105	1080	1205
		64-70	1030	1075	1095	1115	1010	1010	1010
		71-77	1010	1210	1210	1210	1210	1210	1010
B-03-01	10	57-63	1165	1165	1165	1165	1105	1080	1205
		64-70	1030	1075	1095	1115	1010	1010	1010
		71-77	1010	1331	1331	1331	1331	1210	1010
B-03-01	11	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	232	211	260	284	0	0
B-03-01	12	57-63	0	0	0	0	0	0	0
		64-70	0	0	0	0	0	0	0
		71-77	0	471	428	526	575	0	0

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
B-03-01 14	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 15	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-01 16	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	223	223	223	223	354	1010
B-03-01 17	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	331	331	331	331	525	1010
B-03-01 13	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	299	288	335	295	412	711
B-03-01 19	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	301	289	336	296	462	711
B-03-01 20	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	458	458	458	458	727	1010
B-03-01 21	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	546	546	546	546	727	1010
B-03-01 22	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	452	452	452	452	646	1010
B-03-01 24	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	230	230	230	230	230	0
B-03-01 23	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	146	146	146	146	293	1010
B-03-01 29	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	566	566	566	566	808	1010
B-03-01 30	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	0	0	0	0	0	711
B-03-01 31	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	577	555	644	568	711	711
B-03-01 32	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1155	1155	1155	1155	1155	1010
B-03-01 33	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	384	384	384	384	1010	1010
B-03-01 34	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	753	753	758	758	1010	1010
B-03-01 35	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	505	505	505	505	1010	1010

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
B-03-01 36	57-63	1165	1165	1165	1165	1105	1080	1205
	64-70	1030	1075	1095	1115	1010	1010	1010
	71-77	1010	1010	1010	1010	1010	1010	1010
B-03-02 01	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	879	850	968	868	831	711
B-03-02 02	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 03	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	1202	1164	1319	1187	911	711
B-03-02 10	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	1162	1124	1279	1147	871	711
B-03-02 11	57-63	800	800	800	770	722	722	678
	64-70	641	643	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 12	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 13	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	351	337	392	346	483	711
B-03-02 14	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	162	153	190	158	434	711
B-03-02 15	57-63	800	800	800	770	722	722	678
	64-70	641	643	719	748	859	867	741
	71-77	767	959	930	1048	948	911	711
B-03-02 21	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	759	730	848	748	711	711
B-03-02 22	57-63	800	800	800	770	722	722	678
	64-70	641	643	719	748	859	867	741
	71-77	767	1119	1090	1208	1108	1071	711
B-03-02 23	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	638	613	712	628	711	711
B-03-02 24	57-63	800	800	800	770	722	722	678
	64-70	641	643	719	748	859	867	741
	71-77	767	459	430	548	448	711	711
B-03-02 25	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	433	417	485	428	597	711
B-03-02 26	57-63	800	800	800	770	722	722	678
	64-70	641	643	719	748	859	867	741
	71-77	767	337	372	432	381	711	711
B-03-02 27	57-63	800	800	800	770	722	722	678
	64-70	641	643	719	748	859	867	741
	71-77	767	959	930	1048	948	911	711
B-03-02 34	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	638	613	712	628	711	711

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
B-03-02 35	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	563	543	624	556	758	711
B-03-02 36	57-63	800	800	800	770	722	722	678
	64-70	641	648	719	748	859	867	741
	71-77	767	81	78	91	80	149	711
B-04-01 01	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	212	212	212	212	0	0
B-04-01 02	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	200	200	200	200	200	0
B-04-01 03	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	612	612	612	612	400	0
B-04-01 04	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	612	612	612	612	400	0
B-04-01 05	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	212	212	212	212	0	0
B-04-01 06	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	426	426	426	426	213	213
B-04-01 14	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 15	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	1167	1061	1381	1371	0	0
B-04-01 19	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	372	361	404	367	514	1070
B-04-01 20	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	372	361	404	367	514	1070
B-04-01 21	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	331	366	425	375	482	1070
B-04-01 22	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 23	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 27	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-01 28	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	777	746	866	764	931	1070
B-04-01 29	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	562	534	643	550	920	1070

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
B-04-01 30	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	503	478	576	492	824	1070
B-04-01 31	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	714	679	818	698	899	1070
B-04-01 32	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	36	33	43	35	246	1070
B-04-01 33	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	158	147	190	153	610	1070
B-04-01 34	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070
B-04-02 01	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	426	426	426	426	213	213
B-04-02 02	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	426	426	426	426	213	213
B-04-02 03	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	426	426	426	426	213	213
B-04-02 04	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	426	426	426	426	213	213
B-04-02 05	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	213	213	213	213	213	213
B-04-02 06	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	213	213	213	213	213	213
B-04-02 07	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	426	426	426	426	213	213
B-04-02 13	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	593	593	593	593	380	213
B-04-02 19	57-63	213	213	213	213	213	213	213
	64-70	213	213	213	213	213	213	213
	71-77	213	426	426	426	426	213	213
B-04-02 24	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	372	361	404	367	514	1070
B-04-02 25	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	333	316	381	325	674	1070
B-04-02 26	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	737	708	821	725	931	1070
B-04-02 34	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	1145	1100	1275	1125	1070	1070

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
B-04-02 35	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	848	815	945	834	1017	1070
B-04-02 36	57-63	1205	1205	1205	1160	1085	1085	1020
	64-70	965	975	1080	1125	1290	1305	1115
	71-77	1150	736	755	876	773	942	1070
C-01-02 03	57-63	20	20	32	20	20	20	20
	64-70	20	20	614	503	20	306	20
	71-77	20	25	5611	515	25	20	20
C-01-02 04	57-63	20	20	32	20	20	20	20
	64-70	20	20	614	503	20	306	20
	71-77	20	24	5337	494	24	20	20
C-01-02 05	57-63	543	543	555	543	543	543	543
	64-70	553	550	1158	1112	586	878	592
	71-77	592	675	5770	1122	675	592	592
C-01-02 06	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	1788	1788	1788	1788	1160	592
C-01-02 07	57-63	543	543	555	543	543	543	543
	64-70	553	550	1153	1112	586	878	592
	71-77	592	675	5770	1122	675	592	592
C-01-02 03	57-63	576	576	588	576	576	576	576
	64-70	586	583	1191	1145	619	911	625
	71-77	625	713	5807	1159	713	625	625
C-01-03 01	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	1267	1267	1267	1267	892	592
C-01-03 02	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	841	841	841	841	592	592
C-01-03 03	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	592	592	592	592	592	592
C-01-03 04	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	468	468	468	468	592	592
C-01-03 05	57-63	543	543	543	543	543	543	543
	64-70	553	550	564	629	586	592	592
	71-77	592	0	0	0	0	0	592
C-01-03 06	57-63	793	793	793	793	793	793	793
	64-70	803	800	814	879	836	842	842
	71-77	842	505	505	505	505	505	842
C-01-03 07	57-63	1263	1263	1263	1263	1263	1263	1263
	64-70	1273	1270	1284	655	612	618	618
	71-77	618	328	328	328	328	328	592
C-01-03 08	57-63	556	556	568	556	556	556	556
	64-70	566	563	1171	1125	599	891	605
	71-77	605	405	3400	668	405	405	605
C-01-03 09	57-63	553	553	553	553	553	553	553
	64-70	563	560	574	639	596	602	602
	71-77	602	120	120	120	120	120	602
C-01-03 10	57-63	550	550	550	550	550	550	550
	64-70	560	557	571	636	593	599	599
	71-77	599	270	270	270	270	270	599

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
C-01-03 11	57-63	563	563	575	563	563	563	563
	64-70	573	570	1178	1132	606	898	612
	71-77	612	575	4776	944	575	575	612
C-01-03 12	57-63	543	543	555	543	543	543	543
	64-70	553	550	1158	1112	586	878	592
	71-77	592	592	5061	984	592	592	592
C-01-03 13	57-63	20	20	20	20	20	20	20
	64-70	20	20	20	20	20	20	20
	71-77	20	180	180	180	180	180	20
D-01-01 11	57-63	180	230	240	210	200	200	210
	64-70	240	110	190	100	100	0	0
	71-77	0	0	0	0	0	0	0
D-01-02 01	57-63	2596	3229	3038	2666	3006	2881	2695
	64-70	3037	1894	2430	2276	2170	2303	3168
	71-77	3082	1935	2550	1756	2507	2576	2500
D-01-02 02	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1096	1064	999	1026	1085	1100
D-01-02 03	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1096	1064	999	1026	1085	1100
D-01-02 04	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1218	1182	1110	1140	1206	1100
D-01-02 05	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1177	1142	1073	1102	1166	1100
D-01-02 06	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1272	1234	1159	1191	1260	1100
D-01-02 07	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1353	1313	1233	1267	1340	1100
D-01-02 08	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1353	1313	1233	1267	1340	1100
D-01-02 17	57-63	1260	1947	1660	1467	1380	1367	1420
	64-70	1647	727	1313	713	707	691	1483
	71-77	1520	1353	1313	1233	1267	1340	1100
D-01-02 18	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	1897	973	1912	1822	0	0
D-01-02 20	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	1768	964	1780	1733	0	0
D-01-03 05	57-63	1336	1232	1428	1199	1626	1514	1275
	64-70	1390	1167	1117	1563	1463	1612	1685
	71-77	1562	759	1400	635	1400	1400	1400
D-01-03 06	57-63	1336	1232	1428	1199	1626	1514	1275
	64-70	1390	1167	1117	1563	1463	1612	1685
	71-77	1562	759	1400	635	1400	1400	1400
D-01-04 01	57-63	3084	3936	3732	3231	3542	3410	3251
	64-70	3678	2179	2937	2551	2439	2572	1864
	71-77	1890	968	1549	830	1540	1690	1637

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-01-04 02	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	337	375	352	362	290	237
D-01-04 03	57-63	3084	3936	3732	3231	3542	3410	3251
	64-70	3678	2179	2937	2551	2439	2572	1864
	71-77	1890	1252	2004	1073	1992	1690	1637
D-01-04 04	57-63	3084	3936	3732	3231	3542	3410	3251
	64-70	3678	2179	2937	2551	2439	2572	1864
	71-77	1890	999	1600	857	1590	1690	1637
D-01-04 09	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	0	0	0	0	290	237
D-01-04 10	57-63	3084	3936	3732	3231	3542	3410	3251
	64-70	3678	2179	2937	2551	2439	2572	1864
	71-77	1890	1052	1684	902	1674	1690	1637
D-01-04 11	57-63	3084	3936	3732	3231	3542	3410	3251
	64-70	3678	2179	2937	2551	2439	2572	1864
	71-77	1890	1315	2105	1128	2093	1690	1637
D-01-04 12	57-63	3084	3936	3732	3231	3542	3410	3251
	64-70	3678	2179	2937	2551	2439	2572	1864
	71-77	1890	1452	2324	1245	2310	1680	1637
D-01-04 13	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	1603	1553	1460	1499	280	237
D-01-04 14	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	482	217	254	321	0	0
D-01-04 20	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 21	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 22	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	580	562	529	543	280	237
D-01-04 23	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	817	792	745	764	280	237
D-01-04 24	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	530	562	529	543	280	237
D-01-04 25	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 26	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	554	537	505	518	280	237
D-01-04 27	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	545	523	497	510	280	237
D-01-04 28	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-01-04 29	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 31	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	524	508	478	490	280	237
D-01-04 32	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	489	474	446	458	280	237
D-01-04 33	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1320	988	976	960	179
	71-77	328	428	415	390	400	280	237
D-01-04 34	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	293	284	267	274	280	237
D-01-04 35	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	103	99	93	96	280	237
D-01-04 36	57-63	1748	2704	2304	2032	1916	1896	1976
	64-70	2288	1012	1820	988	976	960	179
	71-77	328	375	364	342	351	280	237
D-01-05 01	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	950	922	867	888	1544	1264
D-01-05 02	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	39	38	36	37	1544	1264
D-01-05 03	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1231	1194	1123	1150	1544	1264
D-01-05 04	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	321	311	293	300	1544	1264
D-01-05 05	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	572	555	522	534	1544	1264
D-01-05 06	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	2317	2911	2057	2856	2944	2664
D-01-05 07	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	2243	2818	1991	2765	2944	2664
D-01-05 08	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	1622	2033	1440	1999	2944	2664
D-01-05 09	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	1854	2329	1646	2285	2944	2664
D-01-05 10	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	2317	2911	2057	2856	2944	2664
D-01-05 11	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	1969	2474	1748	2428	2944	2664

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-01-05 12	57-63	3208	4171	3892	3377	3676	3542	3389
	64-70	3843	2250	3067	2624	2510	2639	3452
	71-77	3306	1854	2329	1646	2285	2944	2664
D-01-05 13	57-63	2516	3494	3136	2790	2705	2594	2628
	64-70	3002	1615	2532	1789	1778	1803	2639
	71-77	2690	1361	1405	1660	1660	2244	1964
D-01-05 14	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	2134	2070	1948	1995	1544	1264
D-01-05 15	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 16	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 17	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1496	1451	1365	1398	1544	1264
D-01-05 18	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 19	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1948	1889	1778	1820	1544	1264
D-01-05 20	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 21	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	947	918	864	884	1544	1264
D-01-05 22	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	883	857	806	825	1544	1264
D-01-05 23	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1175	1140	1073	1099	1544	1264
D-01-05 24	57-63	2516	3494	3136	2790	2705	2594	2628
	64-70	3002	1615	2532	1789	1778	1803	2639
	71-77	2690	1290	1332	1574	1574	2244	1964
D-01-05 25	57-63	2516	3494	3136	2790	2705	2594	2628
	64-70	3002	1615	2532	1789	1778	1803	2639
	71-77	2690	1025	1059	1250	1250	2244	1964
D-01-05 26	57-63	2516	3494	3136	2790	2705	2594	2628
	64-70	3002	1615	2532	1789	1778	1803	2639
	71-77	2690	1502	1551	1833	1833	2244	1964
D-01-05 27	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	857	831	782	801	1544	1264
D-01-05 28	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1496	1451	1365	1398	1544	1264
D-01-05 29	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1833	1783	1678	1718	1544	1264

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-01-05 30	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 31	57-63	1872	2339	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 32	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	2134	2070	1948	1995	1544	1264
D-01-05 33	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1963	1904	1792	1835	1544	1264
D-01-05 34	57-63	1872	2839	2464	2178	2050	2028	2114
	64-70	2453	1033	1950	1061	1047	1027	1767
	71-77	1744	1558	1511	1422	1456	1544	1264
D-01-05 35	57-63	2516	3494	3136	2790	2705	2594	2628
	64-70	3002	1615	2532	1789	1778	1803	2639
	71-77	2690	1343	1387	1639	1639	2244	1964
D-01-05 36	57-63	2516	3494	3136	2790	2705	2594	2628
	64-70	3002	1615	2532	1789	1778	1803	2639
	71-77	2690	1113	1150	1358	1358	2244	1964
D-01-06 01	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	0	0	0	0	839	839
D-01-06 02	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	132	132	123	137	839	839
D-01-06 03	57-63	1766	2467	2167	2081	1869	1909	2008
	64-70	2218	1253	1998	1433	1440	1798	3163
	71-77	3167	2298	4204	1848	1362	2563	2244
D-01-06 04	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	307	297	280	286	1763	1444
D-01-06 05	57-63	1875	2511	2297	2043	2005	1904	1908
	64-70	2162	1245	1863	1428	1419	1452	2753
	71-77	2940	1552	1590	1840	1843	2463	2144
D-01-06 06	57-63	644	605	672	612	655	566	514
	64-70	549	532	582	728	731	776	872
	71-77	946	44	66	154	147	700	700
D-01-06 07	57-63	3295	3919	3829	3502	3922	3061	2983
	64-70	3737	2530	3098	2907	2756	2960	4178
	71-77	4211	2853	3348	2584	3307	3745	1444
D-01-06 08	57-63	1875	2511	2297	2043	2005	1904	1908
	64-70	2162	1245	1863	1428	1419	1452	2753
	71-77	2940	1871	1917	2217	2221	2463	2144
D-01-06 09	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1231	700	688	676	1881
	71-77	1994	799	775	730	746	1763	1444
D-01-06 10	57-63	1766	2467	2167	2081	1869	1909	2008
	64-70	2218	1253	1998	1433	1440	1798	3163
	71-77	3167	2303	4214	1853	1366	2563	2244
D-01-06 11	57-63	750	750	750	771	857	852	846
	64-70	860	325	712	806	814	852	826
	71-77	826	149	149	139	154	839	839

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-01-06 12	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	0	0	0	0	839	839
D-01-06 13	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	0	0	0	0	839	839
D-01-06 14	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	223	223	208	232	839	839
D-01-06 15	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	2624	5495	2040	1360	1639	1639
D-01-06 16	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	1140	1104	1040	1064	1763	1444
D-01-06 17	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	1532	1484	1398	1430	1763	1444
D-01-06 18	57-63	1875	2511	2297	2043	2005	1904	1908
	64-70	2162	1245	1863	1428	1419	1452	2753
	71-77	2940	1990	2039	3359	2363	2463	2144
D-01-06 19	57-63	1875	2511	2297	2043	2005	1904	1908
	64-70	2162	1245	1863	1428	1419	1452	2753
	71-77	2940	1592	1631	2687	1890	2463	2144
D-01-06 20	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	1211	1173	1105	1131	1763	1444
D-01-06 21	57-63	1766	2467	2167	2081	1869	1909	2008
	64-70	2218	1253	1998	1433	1440	1798	3163
	71-77	3167	3573	6537	2874	2118	2563	2244
D-01-06 22	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	2720	5696	2115	1409	1639	1639
D-01-06 23	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	25	25	23	26	839	839
D-01-06 24	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	35	35	33	37	839	839
D-01-06 25	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	0	0	0	0	839	839
D-01-06 26	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	0	0	0	0	839	839
D-01-06 27	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	0	0	0	0	839	839
D-01-06 28	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	400	838	311	208	1639	1639
D-01-06 29	57-63	1766	2467	2167	2081	1869	1909	2008
	64-70	2218	1253	1998	1433	1440	1798	3163
	71-77	3167	633	1249	549	405	2563	2244

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-01-06 30	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	516	500	471	432	1763	1444
D-01-06 31	57-63	1231	1906	1625	1431	1350	1338	1394
	64-70	1613	713	1281	700	688	676	1881
	71-77	1994	0	0	0	0	1763	1444
D-01-06 32	57-63	1285	1311	1292	1421	1376	1423	1460
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	373	781	290	193	1639	1639
D-01-06 33	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	0	0	0	0	839	839
D-01-06 34	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	99	99	93	103	839	839
D-01-06 35	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	0	0	0	0	839	839
D-01-06 36	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	322	322	301	335	839	839
D-01-07 04	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	436	500	601	311	0	0
D-01-07 30	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	23	20	19	587	0	0
D-01-07 31	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	436	392	371	377	0	0
D-02-03 01	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	2018	1702	2011	2377	0	0
D-02-03 02	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	513	433	512	605	0	0
D-02-03 11	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	473	399	472	557	0	0
D-02-04 01	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	470	190	370	344	0	0
D-02-04 06	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	2303	1944	2297	2714	0	0
D-02-04 13	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	500	500	500	500	0	0
D-02-04 24	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	246	208	245	290	0	0
D-02-04 25	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	736	621	734	867	0	0

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-02-05 02	57-63	2694	3730	3372	2995	2897	2783	2831
	64-70	3232	1715	2715	1886	1873	1901	2558
	71-77	2877	1932	1983	2303	2308	2400	2092
D-02-05 03	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1133	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392
D-02-05 04	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1133	2133	1158	1142	1125	1686
	71-77	1931	2412	2337	2197	2251	1700	1392
D-02-05 05	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1133	2133	1158	1142	1125	1686
	71-77	1931	2550	2470	2322	2380	1700	1392
D-02-05 06	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1133	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392
D-02-05 07	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1133	2133	1158	1142	1125	1686
	71-77	1931	2240	2170	2040	2090	1700	1392
D-02-05 08	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1133	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392
D-02-05 09	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1133	2133	1158	1142	1125	1686
	71-77	1931	2774	2687	2526	2589	1700	1392
D-02-05 10	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1133	2133	1158	1142	1125	1686
	71-77	1931	1723	1669	1569	1608	1700	1392
D-02-05 11	57-63	1394	1355	1422	1383	1512	1418	1360
	64-70	1409	1357	1294	1534	1545	1628	1698
	71-77	1772	838	923	1219	1262	1539	1539
D-02-05 12	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	752	751	702	781	839	839
D-02-05 13	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	623	627	586	652	839	839
D-02-05 14	57-63	1394	1355	1422	1383	1512	1418	1360
	64-70	1409	1357	1294	1534	1545	1628	1698
	71-77	1772	1035	1139	1505	1558	1539	1539
D-02-05 15	57-63	2694	3730	3372	2995	2897	2783	2831
	64-70	3232	1715	2715	1886	1873	1901	2558
	71-77	2877	1932	1983	2303	2308	2400	2092
D-02-05 16	57-63	2050	3175	2700	2383	2242	2217	2317
	64-70	2683	1133	2133	1158	1142	1125	1686
	71-77	1931	2016	1953	1836	1881	1700	1392
D-02-05 17	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	2602	2234	2249	3069	0	0
D-02-05 18	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	826	788	947	1292	0	0
D-02-05 19	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	707	675	811	1105	0	0

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-02-05 20	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	2956	2822	3386	4619	0	0
D-02-05 21	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	454	384	453	534	0	0
D-02-05 22	57-63	2694	3780	3372	2995	2897	2783	2831
	64-70	3232	1715	2715	1886	1873	1901	2558
	71-77	2877	2009	2062	2395	2400	2400	2092
D-02-05 23	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	694	693	648	721	839	839
D-02-05 24	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	727	726	678	755	839	839
D-02-05 25	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	620	619	578	644	839	839
D-02-05 26	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	8	8	8	9	839	839
D-02-05 27	57-63	644	605	672	612	655	566	514
	64-70	549	532	582	728	731	776	872
	71-77	946	209	314	734	700	700	700
D-02-05 28	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	227	192	226	267	0	0
D-02-05 29	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	324	310	372	507	0	0
D-02-05 30	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	300	300	300	300	0	0
D-02-05 32	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	128	122	146	199	0	0
D-02-05 33	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	139	64	142	130	0	0
D-02-05 34	57-63	1394	1355	1422	1383	1512	1418	1360
	64-70	1409	1357	1294	1534	1545	1628	1698
	71-77	1772	762	838	1108	1146	1539	1539
D-02-05 35	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	562	561	525	584	839	839
D-02-05 36	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	549	543	512	569	839	839
D-02-06 01	57-63	620	620	620	620	620	620	630
	64-70	630	630	620	620	620	620	810
	71-77	810	122	122	122	122	810	810
D-02-06 02	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	339	338	316	352	839	839

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-02-06 03	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	520	520	486	541	839	839
D-02-06 04	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	421	421	393	438	839	839
D-02-06 05	57-63	1285	1311	1292	1421	1376	1423	1466
	64-70	1465	1365	1429	1539	1566	1974	2108
	71-77	1999	2656	5562	2065	1376	1639	1639
D-02-06 06	57-63	535	561	542	650	519	571	614
	64-70	605	540	717	733	752	1122	1282
	71-77	1173	2160	5347	1562	728	800	800
D-02-06 07	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	578	578	540	601	839	839
D-02-06 03	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	710	710	663	738	839	839
D-02-06 09	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	900	899	840	935	839	839
D-02-06 10	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	826	760	759	709	789	839	839
D-02-06 11	57-63	740	740	740	740	740	740	750
	64-70	750	750	740	740	740	740	970
	71-77	970	728	728	728	728	970	970
D-02-06 12	57-63	670	670	670	670	670	670	680
	64-70	680	630	670	670	670	670	870
	71-77	870	870	870	870	870	870	870
D-02-06 13	57-63	520	520	520	520	520	520	530
	64-70	530	530	520	520	520	520	680
	71-77	680	1027	1027	1027	1027	680	680
D-02-06 14	57-63	400	400	400	400	400	400	400
	64-70	400	400	400	400	400	400	520
	71-77	520	1222	1222	1222	1222	520	520
D-02-06 15	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	1139	1188	1110	1236	839	839
D-02-06 16	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	1379	1378	1288	1433	839	839
D-02-06 17	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	1305	1304	1218	1356	839	839
D-02-06 18	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	1066	1064	995	1107	839	839
D-02-06 19	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 20	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	1139	1138	1110	1236	839	839

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-02-06 21	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 22	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	590	752	891	792	0	0
D-02-06 23	57-63	1790	1790	1790	1790	1790	1790	1790
	64-70	1790	1790	1790	1790	1790	1790	1790
	71-77	1790	1969	1969	1969	1969	1790	1790
D-02-06 24	57-63	120	120	120	120	120	120	130
	64-70	130	130	120	120	120	120	160
	71-77	160	710	710	710	710	160	160
D-02-06 25	57-63	1280	1280	1280	1280	1280	1280	1280
	64-70	1280	1280	1280	1280	1280	1280	1280
	71-77	1280	1510	1510	1510	1510	1280	1280
D-02-06 26	57-63	1780	1780	1780	1780	1780	1780	1780
	64-70	1780	1780	1780	1780	1780	1780	1780
	71-77	1780	1529	1529	1529	1529	1780	1780
D-02-06 23	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	991	990	925	1030	839	839
D-02-06 29	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	1016	1015	948	1055	839	839
D-02-06 30	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	826	825	771	858	839	839
D-02-06 31	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	698	697	651	725	839	839
D-02-06 32	57-63	750	750	750	771	857	852	852
	64-70	860	825	712	806	814	852	826
	71-77	826	785	784	732	815	839	839
D-02-06 33	57-63	750	750	750	771	857	852	846
	64-70	860	825	712	806	814	852	826
	71-77	820	41	41	39	43	839	839
D-02-06 34	57-63	902	902	902	902	902	902	902
	64-70	902	902	902	902	902	902	902
	71-77	902	0	0	0	0	902	902
D-02-06 35	57-63	280	280	280	280	280	280	280
	64-70	280	280	280	280	280	280	310
	71-77	310	0	0	0	0	282	282
D-02-06 36	57-63	1120	1120	1120	1120	1120	1120	1120
	64-70	1120	1120	1120	1120	1120	1120	1240
	71-77	1240	0	0	0	0	1127	1127
D-02-07 01	57-63	970	970	970	970	970	970	980
	64-70	980	980	970	970	970	970	1260
	71-77	1260	1550	1550	1550	1550	1260	1260
D-02-07 02	57-63	470	470	470	470	470	470	480
	64-70	480	430	470	470	470	470	610
	71-77	610	1049	1049	1049	1049	610	610
D-02-07 03	57-63	350	350	350	350	350	350	350
	64-70	350	350	350	350	350	350	450
	71-77	450	657	657	657	657	450	450

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-02-07 04	57-63	890	890	890	890	890	890	900
	64-70	900	900	890	890	890	890	1160
	71-77	1160	731	731	731	731	1160	1160
D-02-07 05	57-63	620	620	620	620	620	620	620
	64-70	620	620	620	620	620	620	610
	71-77	810	713	713	713	713	810	810
D-02-07 06	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	135	131	191	182	0	0
D-02-07 07	57-63	250	250	250	250	250	250	250
	64-70	250	250	250	250	250	250	320
	71-77	320	320	320	320	320	320	320
D-02-07 08	57-63	470	470	470	470	470	480	480
	64-70	480	480	470	470	470	470	470
	71-77	610	787	787	787	787	610	610
D-02-07 09	57-63	740	740	740	740	740	740	750
	64-70	750	750	740	740	740	740	970
	71-77	970	970	970	970	970	970	970
D-02-07 10	57-63	670	670	670	670	670	680	680
	64-70	680	680	670	670	670	670	870
	71-77	870	870	870	870	870	870	870
D-02-07 11	57-63	820	820	820	820	820	820	830
	64-70	830	830	820	820	820	820	1070
	71-77	1070	1434	1434	1434	1434	1070	1070
D-02-07 12	57-63	970	970	970	970	970	970	980
	64-70	980	980	970	970	970	970	1260
	71-77	1260	1260	1260	1260	1260	1260	1260
D-02-07 13	57-63	820	820	820	820	820	820	830
	64-70	830	830	820	820	820	820	1070
	71-77	1070	1070	1070	1070	1070	1070	1070
D-02-07 14	57-63	250	250	250	250	250	250	250
	64-70	250	250	250	250	250	250	320
	71-77	320	170	170	170	170	320	320
D-02-07 15	57-63	250	250	250	250	250	250	250
	64-70	250	250	250	250	250	250	320
	71-77	320	320	320	320	320	320	320
D-02-07 16	57-63	840	840	840	840	840	840	850
	64-70	850	850	840	840	840	840	840
	71-77	1100	891	891	891	891	1100	1100
D-02-07 17	57-63	720	720	720	720	720	720	730
	64-70	730	730	720	720	720	720	720
	71-77	940	940	940	940	940	940	940
D-02-07 18	57-63	320	320	320	320	320	320	330
	64-70	330	330	320	320	320	320	420
	71-77	420	571	571	571	571	420	420
D-02-07 19	57-63	350	350	350	350	350	350	350
	64-70	350	350	350	350	350	350	450
	71-77	450	1112	1112	1112	1112	450	450
D-02-07 20	57-63	620	620	620	620	620	620	630
	64-70	630	630	620	620	620	620	810
	71-77	810	310	810	810	810	810	810
D-02-07 21	57-63	350	350	350	350	350	350	350
	64-70	350	350	350	350	350	350	450
	71-77	450	212	212	212	212	450	450

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-02-07 22	57-63	470	470	470	470	470	470	480
	64-70	480	430	470	470	470	470	610
	71-77	610	464	464	464	464	610	610
D-02-07 23	57-63	570	570	570	570	570	570	580
	64-70	580	580	570	570	570	570	740
	71-77	740	740	740	740	740	740	740
D-02-07 24	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	184	169	254	152	0	0
D-02-07 26	57-63	490	490	490	490	490	490	500
	64-70	500	500	490	490	490	490	650
	71-77	650	0	0	0	0	650	650
D-02-07 27	57-63	590	590	590	590	590	590	600
	64-70	600	600	590	590	590	590	780
	71-77	780	0	0	0	0	780	780
D-02-07 28	57-63	670	670	670	670	670	670	680
	64-70	680	680	670	670	670	670	870
	71-77	870	0	0	0	0	870	870
D-02-07 31	57-63	933	933	933	933	933	933	933
	64-70	933	933	933	933	933	933	1034
	71-77	1034	570	570	570	517	939	939
D-02-07 35	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	29	29	29	29	0	0
D-02-07 36	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	45	45	45	45	0	0
D-02-08 04	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	347	324	480	290	0	0
D-02-08 07	57-63	540	540	540	540	540	540	550
	64-70	550	550	540	540	540	540	710
	71-77	710	824	824	824	824	710	710
D-02-08 03	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	241	224	333	201	0	0
D-02-08 09	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	273	255	378	223	0	0
D-02-08 17	57-63	470	470	470	470	470	470	480
	64-70	480	430	470	470	470	470	610
	71-77	610	421	421	421	421	610	610
D-02-08 13	57-63	920	920	920	920	920	920	930
	64-70	930	930	920	920	920	920	1200
	71-77	1200	1572	1572	1572	1572	1200	1200
D-02-08 19	57-63	970	970	970	970	970	970	980
	64-70	980	980	970	970	970	970	970
	71-77	1260	1033	1033	1033	1033	1260	1260
D-02-08 20	57-63	470	470	470	470	470	470	480
	64-70	480	430	470	470	470	470	610
	71-77	610	500	500	500	500	610	610
D-02-08 21	57-63	970	970	970	970	970	970	980
	64-70	980	980	970	970	970	970	1260
	71-77	1260	970	970	970	970	1260	1260

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-02-08 27	57-63	570	570	570	570	570	570	580
	64-70	580	580	570	570	570	570	740
	71-77	740	451	451	451	451	740	740
D-02-08 28	57-63	970	970	970	970	970	970	980
	64-70	980	930	970	970	970	970	1260
	71-77	1260	1109	1109	1109	1109	1260	1260
D-02-08 29	57-63	470	470	470	470	470	470	480
	64-70	480	430	470	470	470	470	610
	71-77	610	438	488	488	488	610	610
D-02-08 30	57-63	670	670	670	670	670	670	680
	64-70	680	630	670	670	670	670	870
	71-77	870	870	870	870	870	870	870
D-02-08 31	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	138	138	138	138	0	0
D-03-05 33	57-63	250	250	250	250	250	250	250
	64-70	250	250	250	250	250	250	250
	71-77	250	125	125	125	125	250	250
D-03-05 34	57-63	1300	1300	1300	1300	1300	1300	1300
	64-70	1300	1300	1300	1300	1300	1300	1300
	71-77	1300	429	429	429	429	1300	1300
D-03-05 35	57-63	1300	1300	1300	1300	1300	1300	1300
	64-70	1300	1300	1300	1300	1300	1300	1300
	71-77	1300	676	676	676	676	1300	1300
D-03-06 20	57-63	490	490	490	490	490	490	490
	64-70	490	490	490	490	490	490	490
	71-77	490	250	250	250	250	490	490
D-03-06 29	57-63	370	370	370	370	370	370	370
	64-70	370	370	370	370	370	370	370
	71-77	370	252	252	252	252	370	370
D-03-06 32	57-63	490	490	490	490	490	490	490
	64-70	490	490	490	490	490	490	490
	71-77	490	490	490	490	490	490	490
D-03-07 01	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	125	125	125	125	0	0
D-03-07 12	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	1126	1051	1562	944	0	0
D-03-08 07	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	336	362	444	338	0	0
D-03-08 13	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	186	173	257	156	0	0
D-03-08 14	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
D-03-08 15	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	0	0
D-03-08 17	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	0	0	0	0	0	0

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-03-08 25	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	90	84	124	75	0	0
D-03-08 36	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	108	101	149	90	0	0
D-03-09 20	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	550	514	678	473	0	0
D-03-09 21	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	250	250	250	250	0	0
D-03-09 22	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	250	250	250	250	0	0
D-03-09 23	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	438	438	438	438	0	0
D-03-09 27	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	435	435	435	435	0	0
D-03-09 23	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	364	339	503	305	0	0
D-03-09 29	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	600	563	690	524	0	0
D-03-09 30	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	91	85	126	76	0	0
D-03-09 31	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	726	680	834	633	0	0
D-03-09 32	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	307	286	425	257	0	0
D-03-09 33	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	563	563	563	563	0	0
D-03-09 34	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	1428	1334	1903	1207	0	0
D-03-09 35	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	563	563	563	563	0	0
D-04-05 01	57-63	1000	1000	1000	1000	1000	1000	1000
	64-70	1000	1000	1000	1000	1000	1000	1000
	71-77	1000	250	250	250	250	1000	1000
D-04-06 05	57-63	1000	1000	1000	1000	1000	1000	1000
	64-70	1000	1000	1000	1000	1000	1000	1000
	71-77	1000	1000	1000	1000	1000	1000	1000
D-04-06 06	57-63	1000	1000	1000	1000	1000	1000	1000
	64-70	1000	1000	1000	1000	1000	1000	1000
	71-77	1000	250	250	250	250	1000	1000

LOCATIONS	YEARS	RECHARGE ESTIMATES USED IN THE MODEL						
D-04-08 24	57-63	670	670	670	670	670	670	670
	64-70	670	670	670	670	670	670	670
	71-77	670	670	670	670	670	670	670
D-04-09 02	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	250	250	250	250	0	0
D-04-09 03	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	1253	1174	1441	1093	0	0
D-04-09 04	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	732	686	841	638	0	0
D-04-09 05	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	750	702	862	654	0	0
D-04-09 06	57-63	0	0	0	0	0	0	0
	64-70	0	0	0	0	0	0	0
	71-77	0	375	375	375	375	0	0
D-04-09 19	57-63	670	670	670	670	670	670	670
	64-70	670	670	670	670	670	670	670
	71-77	670	670	670	670	670	670	670
D-04-09 20	57-63	1000	1000	1000	1000	1000	1000	1000
	64-70	1000	1000	1000	1000	1000	1000	1000
	71-77	1000	1000	1000	1000	1000	1000	1000
D-04-09 21	57-63	1000	1000	1000	1000	1000	1000	1000
	64-70	1000	1000	1000	1000	1000	1000	1000
	71-77	1000	1000	1000	1000	1000	1000	1000
D-04-09 22	57-63	1300	1300	1300	1300	1300	1300	1300
	64-70	1300	1300	1300	1300	1300	1300	1300
	71-77	1300	1300	1300	1300	1300	1300	1300
D-04-09 23	57-63	1300	1300	1300	1300	1300	1300	1300
	64-70	1300	1300	1300	1300	1300	1300	1300
	71-77	1300	1300	1300	1300	1300	1300	1300
D-04-09 24	57-63	1700	1700	1700	1700	1700	1700	1700
	64-70	1700	1700	1700	1700	1700	1700	1700
	71-77	1700	1700	1700	1700	1700	1700	1700
D-04-10 11	57-63	1900	1900	1900	1900	1900	1900	1900
	64-70	1900	1900	1900	1900	1900	1900	1900
	71-77	1900	1900	1900	1900	1900	1900	1900
D-04-10 15	57-63	1900	1900	1900	1900	1900	1900	1900
	64-70	1900	1900	1900	1900	1900	1900	1900
	71-77	1900	1900	1900	1900	1900	1900	1900
D-04-10 16	57-63	1900	1900	1900	1900	1900	1900	1900
	64-70	1900	1900	1900	1900	1900	1900	1900
	71-77	1900	1900	1900	1900	1900	1900	1900
D-04-10 17	57-63	1900	1900	1900	1900	1900	1900	1900
	64-70	1900	1900	1900	1900	1900	1900	1900
	71-77	1900	1900	1900	1900	1900	1900	1900

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 1

LOCATION	SP. YIELD	TRANS.	SP Yield Sub total
A-01-01 01	0.12	150.	
A-01-01 02	0.15	150.	
A-01-01 03	0.12	120.	
A-01-01 04	0.10	150.	
A-01-01 05	0.10	200.	
A-01-01 06	0.12	300.	
A-01-01 07	0.10	100.	
A-01-01 08	0.10	100.	
A-01-01 09	0.10	100.	
A-01-01 10	0.12	100.	Σ 1.13
A-01-01 11	0.22	85.	
A-01-01 12	0.20	60.	
A-01-01 13	0.18	200.	
A-01-01 14	0.18	250.	
A-01-01 15	0.18	300.	
A-01-01 16	0.12	300.	
A-01-01 17	0.12	300.	
A-01-01 18	0.11	300.	
A-01-01 19	0.17	450.	
A-01-01 20	0.22	250.	Σ 1.7
A-01-01 21	0.20	130.	
A-01-01 22	0.20	300.	
A-01-01 23	0.22	360.	
A-01-01 24	0.22	700.	
A-01-01 25	0.22	175.	
A-01-01 26	0.22	320.	
A-01-01 27	0.22	600.	
A-01-01 28	0.22	1000.	
A-01-01 29	0.22	500.	
A-01-01 30	0.22	250.	Σ 2.16

LOCATION	SP. YIELD	TRANS.	Specific Yield Subtotal	Township Average 6.07/36
A-01-01 31	0.18	250.		
A-01-01 32	0.18	300.		
A-01-01 33	0.18	400.		
A-01-01 34	0.18	400.		
A-01-01 35	0.18	250.		
A-01-01 36	0.18	270.	1.08	0.17
A-01-02 01	0.13	105.	Specific Yield Subtotal	
A-01-02 02	0.10	90.		
A-01-02 03	0.10	85.		
A-01-02 04	0.08	80.		
A-01-02 05	0.12	250.		
A-01-02 06	0.12	200.		
A-01-02 07	0.20	100.		
A-01-02 08	0.22	200.		
A-01-02 09	0.15	140.		
A-01-02 10	0.22	200.	1.44	
A-01-02 11	0.22	130.		
A-01-02 12	0.20	175.		
A-01-02 13	0.22	210.		
A-01-02 14	0.22	200.		
A-01-02 15	0.22	185.		
A-01-02 16	0.22	170.		
A-01-02 17	0.22	150.		
A-01-02 18	0.22	130.		
A-01-02 19	0.22	100.		
A-01-02 20	0.22	150.	2.18	
A-01-02 21	0.22	200.		
A-01-02 22	0.22	250.		
A-01-02 23	0.18	250.		
A-01-02 24	0.22	250.		
A-01-02 25	0.18	500.	1.02	

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	Specific Yield Subtotal	
A-01-02 26	0.18	250.		
A-01-02 27	0.20	175.		
A-01-02 28	0.22	180.		
A-01-02 29	0.18	110.		
A-01-02 30	0.18	75.	.96	
A-01-02 31	0.20	300.		
A-01-02 32	0.20	150.		Township Average
A-01-02 33	0.17	125.		
A-01-02 34	0.17	125.		6.64/36
A-01-02 35	0.15	100.		
A-01-02 36	0.15	110.	1.04	0.18
A-01-03 01	0.13	15.		
A-01-03 02	0.13	55.		
A-01-03 03	0.13	100.		
A-01-03 04	0.15	150.		
A-01-03 05	0.22	200.		
A-01-03 06	0.22	170.		
A-01-03 07	0.22	160.		
A-01-03 08	0.22	150.		
A-01-03 09	0.22	120.		
A-01-03 10	0.22	120.	1.86	
A-01-03 11	0.22	120.		
A-01-03 12	0.15	100.		
A-01-03 13	0.22	80.		
A-01-03 14	0.22	130.		
A-01-03 15	0.22	150.		
A-01-03 16	0.22	160.		
A-01-03 17	0.22	165.		
A-01-03 18	0.22	170.		
A-01-03 19	0.18	220.		
A-01-03 20	0.22	210.	2.09	

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	Specific Yield Subtotal
A-01-03 21	0.22	180.	
A-01-03 22	0.22	150.	
A-01-03 23	0.22	110.	
A-01-03 24	0.22	80.	
A-01-03 25	0.20	70.	
A-01-03 26	0.20	110.	
A-01-03 27	0.20	150.	
A-01-03 28	0.22	200.	
A-01-03 29	0.22	250.	
A-01-03 30	0.20	300.	2.12
A-01-03 31	0.22	200.	
A-01-03 32	0.22	150.	
A-01-03 33	0.15	110.	
A-01-03 34	0.13	110.	
A-01-03 35	0.13	90.	
A-01-03 36	0.11	50.	.96
A-01-04 01	0.13	70.	
A-01-04 02	0.12	50.	
A-01-04 11	0.17	30.	
A-01-04 12	0.17	60.	
A-01-04 13	0.15	80.	
A-01-04 14	0.15	50.	
A-01-04 15	0.15	50.	
A-01-04 16	0.15	50.	
A-01-04 17	0.15	50.	
A-01-04 18	0.15	55.	1.49
A-01-04 19	0.18	60.	
A-01-04 20	0.18	60.	
A-01-04 21	0.15	70.	
A-01-04 22	0.15	90.	
A-01-04 23	0.18	160.	.84

Township Average
7.72/36
.21

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	Specific Yield Subtotal	
A-01-04 24	0.22	160.		
A-01-04 25	0.22	200.		
A-01-04 26	0.20	150.		
A-01-04 27	0.17	75.		
A-01-04 28	0.15	70.		
A-01-04 29	0.15	55.		
A-01-04 30	0.18	30.	1.29	
A-01-04 31	0.10	25.		
A-01-04 32	0.08	30.		Township Average
A-01-04 33	0.10	45.		
A-01-04 34	0.13	50.		4.33/28
A-01-04 35	0.13	110.		
A-01-04 36	0.17	150.	.71	.16
A-01-05 01	0.12	200.		
A-01-05 02	0.12	150.		
A-01-05 03	0.10	80.		
A-01-05 04	0.10	80.		
A-01-05 05	0.09	70.		
A-01-05 06	0.08	40.		
A-01-05 07	0.07	60.		
A-01-05 08	0.07	60.		
A-01-05 09	0.15	100.		
A-01-05 10	0.13	100.	1.03	
A-01-05 11	0.08	100.		
A-01-05 12	0.08	100.		
A-01-05 13	0.14	250.		
A-01-05 14	0.07	200.		
A-01-05 15	0.08	250.		
A-01-05 16	0.08	125.		
A-01-05 17	0.07	110.		
A-01-05 18	0.10	80.	0.7	

LOCATION	SP. YIELD	TRANS.	Specific Yield Subtotal
A-01-05 19	0.14	120.	
A-01-05 20	0.05	120.	
A-01-05 21	0.07	120.	
A-01-05 22	0.07	130.	
A-01-05 23	0.10	170.	
A-01-05 24	0.15	120.	
A-01-05 25	0.08	60.	
A-01-05 26	0.12	40.	
A-01-05 27	0.10	110.	
A-01-05 28	0.06	120.	
A-01-05 29	0.06	130.	
A-01-05 30	0.12	145.	1.12
A-01-05 31	0.07	125.	
A-01-05 32	0.10	100.	
A-01-05 33	0.07	50.	
A-01-05 34	0.12	110.	
A-01-05 35	0.14	40.	
A-01-05 36	0.11	80.	0.61
A-01-06 01	0.10	50.	
A-01-06 02	0.08	65.	
A-01-06 03	0.08	70.	
A-01-06 04	0.08	100.	
A-01-06 05	0.10	110.	
A-01-06 06	0.07	125.	
A-01-06 07	0.10	120.	
A-01-06 08	0.10	150.	
A-01-06 09	0.10	60.	
A-01-06 10	0.12	110.	0.93
A-01-06 11	0.12	110.	
A-01-06 12	0.10	80.	
A-01-06 13	0.15	100.	0.37

Township Average

3.46/36

.10

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 7

LOCATION	SP. YIELD	TRANS.	
A-01-06 14	0.07	70.	
A-01-06 15	0.10	70.	
A-01-06 16	0.10	70.	
A-01-06 17	0.10	100.	
A-01-06 18	0.10	85.	
A-01-06 19	0.10	100.	
A-01-06 20	0.10	100.	.67
A-01-06 21	0.10	100.	
A-01-06 22	0.10	40.	
A-01-06 23	0.10	100.	
A-01-06 24	0.12	150.	
A-01-06 25	0.08	100.	
A-01-06 26	0.10	200.	
A-01-06 27	0.08	100.	
A-01-06 28	0.12	100.	
A-01-06 29	0.10	100.	
A-01-06 30	0.12	100.	1.02
A-01-06 31	0.10	80.	
A-01-06 32	0.10	80.	
A-01-06 33	0.10	120.	
A-01-06 34	0.10	80.	
A-01-06 35	0.07	60.	
A-01-06 36	0.10	80.	.57
A-01-07 05	0.10	30.	
A-01-07 06	0.10	70.	
A-01-07 07	0.10	65.	
A-01-07 08	0.10	50.	
A-01-07 13	0.10	80.	
A-01-07 14	0.07	75.	
A-01-07 15	0.05	35.	
A-01-07 16	0.07	35.	.67

Township Average
3.56/36
.10

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 8

LOCATION	SP. YIELD	TRANS.	Specific Yield Subtotal	
A-01-07 17	0.10	70.		
A-01-07 18	0.12	75.		
A-01-07 19	0.12	100.		
A-01-07 20	0.10	100.		
A-01-07 21	0.05	50.		
A-01-07 22	0.10	50.		
A-01-07 23	0.08	70.		
A-01-07 24	0.10	60.		
A-01-07 25	0.05	80.		
A-01-07 26	0.07	100.	0.89	
A-01-07 27	0.12	200.		
A-01-07 28	0.08	100.		
A-01-07 29	0.07	80.		Township Average
A-01-07 30	0.08	100.		
A-01-07 31	0.10	80.		
A-01-07 32	0.07	70.		2.32/28
A-01-07 33	0.05	70.		
A-01-07 34	0.07	70.		
A-01-07 35	0.05	60.		
A-01-07 36	0.05	60.	0.74	0.08
A-01-08 16	0.10	50.		
A-01-08 17	0.10	50.		
A-01-08 18	0.10	50.		
A-01-08 19	0.10	60.		
A-01-08 20	0.10	50.		
A-01-08 21	0.10	50.		
A-01-08 22	0.10	50.		
A-01-08 23	0.10	15.		
A-01-08 26	0.05	15.		
A-01-08 27	0.05	60.		
A-01-08 28	0.05	60.	0.95	

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 9

LOCATION	SP. YIELD	TRANS.	Specific Yield Subtotal
A-01-08 29	0.07	80.	
A-01-08 30	0.08	100.	
A-01-08 31	0.05	60.	
A-01-08 32	0.05	60.	
A-01-08 33	0.05	50.	
A-01-08 34	0.05	50.	
A-01-08 35	0.05	50.	0.4
A-02-01 01	0.10	75.	
A-02-01 02	0.10	60.	
A-02-01 03	0.10	55.	
A-02-01 04	0.12	55.	
A-02-01 05	0.12	50.	
A-02-01 06	0.12	50.	
A-02-01 07	0.10	100.	
A-02-01 08	0.10	45.	
A-02-01 09	0.12	100.	
A-02-01 10	0.10	80.	1.08
A-02-01 11	0.10	50.	
A-02-01 12	0.10	35.	
A-02-01 13	0.10	50.	
A-02-01 14	0.08	55.	
A-02-01 15	0.10	60.	
A-02-01 16	0.10	50.	
A-02-01 17	0.12	45.	
A-02-01 18	0.10	40.	
A-02-01 19	0.10	100.	
A-02-01 20	0.12	100.	1.02
A-02-01 21	0.10	80.	
A-02-01 22	0.10	60.	
A-02-01 23	0.08	70.	
A-02-01 24	0.10	55.	0.38

Township Average

1.35/18
0.08

LOCATION	SP. YIELD	TRANS.	
A-02-01 25	0.10	170.	
A-02-01 26	0.10	85.	
A-02-01 27	0.10	80.	
A-02-01 28	0.10	70.	
A-02-01 29	0.10	60.	
A-02-01 30	0.12	150.	0.62
A-02-01 31	0.10	110.	
A-02-01 32	0.10	75.	
A-02-01 33	0.12	120.	
A-02-01 34	0.13	150.	
A-02-01 35	0.12	120.	
A-02-01 36	0.12	150.	0.69 .11
A-02-02 01	0.05	50.	
A-02-02 02	0.05	35.	
A-02-02 03	0.05	25.	
A-02-02 04	0.05	20.	
A-02-02 05	0.08	60.	
A-02-02 06	0.10	60.	
A-02-02 07	0.07	55.	
A-02-02 08	0.12	50.	
A-02-02 09	0.10	40.	
A-02-02 10	0.05	35.	0.72
A-02-02 11	0.07	25.	
A-02-02 12	0.07	20.	
A-02-02 13	0.08	15.	
A-02-02 14	0.12	60.	
A-02-02 15	0.08	60.	
A-02-02 16	0.12	80.	
A-02-02 17	0.10	50.	
A-02-02 18	0.10	60.	
A-02-02 19	0.10	40.	0.84

Township Average 3.79/36

TABLE A4. CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.		
A-02-02 20	0.10	60.		
A-02-02 21	0.10	60.		
A-02-02 22	0.10	55.		
A-02-02 23	0.10	50.		
A-02-02 24	0.06	50.		
A-02-02 25	0.10	35.		
A-02-02 26	0.17	60.		
A-02-02 27	0.07	60.		
A-02-02 28	0.10	65.		
A-02-02 29	0.08	50.		
A-02-02 30	0.10	100.	1.08	
A-02-02 31	0.12	150.		
A-02-02 32	0.09	60.		Township Average 3,26/36
A-02-02 33	0.07	70.		
A-02-02 34	0.12	70.		
A-02-02 35	0.12	40.		
A-02-02 36	0.10	50.	.62	.09
A-02-03 04	0.07	50.		
A-02-03 05	0.05	50.		
A-02-03 06	0.05	35.		
A-02-03 07	0.07	40.		
A-02-03 08	0.07	90.		
A-02-03 09	0.10	45.		
A-02-03 10	0.10	40.		
A-02-03 13	0.10	35.		
A-02-03 14	0.10	100.		
A-02-03 15	0.07	80.		
A-02-03 16	0.10	100.		
A-02-03 17	0.10	100.		
A-02-03 18	0.08	80.		
A-02-03 19	0.07	50.	1.13	

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 12

LOCATION	SP. YIELD	TRANS.	
A-02-03 20	0.08	60.	
A-02-03 21	0.09	80.	
A-02-03 22	0.10	100.	
A-02-03 23	0.10	110.	
A-02-03 24	0.10	60.	
A-02-03 25	0.07	25.	
A-02-03 26	0.07	30.	
A-02-03 27	0.08	80.	
A-02-03 28	0.10	100.	
A-02-03 29	0.08	80.	
A-02-03 30	0.10	80.	0.97
A-02-03 31	0.10	150.	
A-02-03 32	0.12	100.	Township Average
A-02-03 33	0.10	100.	
A-02-03 34	0.07	110.	2.69/ 31
A-02-03 35	0.10	30.	
A-02-03 36	0.10	25.	0.59 .09
A-02-04 01	0.03	70.	
A-02-04 02	0.03	100.	
A-02-04 03	0.05	40.	
A-02-04 10	0.05	40.	
A-02-04 11	0.05	40.	
A-02-04 12	0.04	30.	
A-02-04 13	0.05	50.	
A-02-04 14	0.03	20.	
A-02-04 15	0.03	30.	
A-02-04 19	0.04	40.	
A-02-04 22	0.08	80.	
A-02-04 23	0.07	60.	
A-02-04 24	0.08	80.	
A-02-04 25	0.10	70.	0.73

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 13

LOCATION	SP. YIELD	TRANS.	
A-02-04 26	0.05	40.	
A-02-04 27	0.03	30.	
A-02-04 30	0.07	5.	
A-02-04 31	0.05	5.	
A-02-04 34	0.05	45.	
A-02-04 35	0.05	90.	
A-02-04 36	0.05	30.	0.35
A-02-05 01	0.05	20.	
A-02-05 02	0.05	25.	
A-02-05 03	0.05	30.	
A-02-05 04	0.05	30.	
A-02-05 05	0.05	25.	
A-02-05 06	0.03	40.	
A-02-05 07	0.10	70.	
A-02-05 08	0.12	100.	
A-02-05 09	0.12	100.	
A-02-05 10	0.12	100.	0.74
A-02-05 11	0.09	70.	
A-02-05 12	0.10	30.	
A-02-05 13	0.05	20.	
A-02-05 14	0.08	70.	
A-02-05 15	0.15	100.	
A-02-05 16	0.12	100.	
A-02-05 17	0.10	50.	
A-02-05 18	0.05	30.	
A-02-05 19	0.05	30.	
A-02-05 20	0.05	25.	0.84
A-02-05 21	0.05	30.	
A-02-05 22	0.08	40.	
A-02-05 23	0.08	35.	
A-02-05 24	0.05	20.	0.26

Township Average

1.08/21

0.05

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 14

LOCATION	SP. YIELD	TRANS.		
A-02-05 25	0.10	20.		
A-02-05 26	0.10	45.		
A-02-05 27	0.10	50.		
A-02-05 28	0.10	50.		
A-02-05 29	0.10	50.		
A-02-05 30	0.10	50.		
A-02-05 31	0.06	30.		
A-02-05 32	0.06	30.		
A-02-05 33	0.08	50.		
A-02-05 34	0.08	60.		
A-02-05 35	0.10	100.		
A-02-05 36	0.07	70.	1.07	0.08
A-02-06 15	0.05	40.		
A-02-06 16	0.05	50.		
A-02-06 17	0.05	50.		
A-02-06 18	0.05	40.		
A-02-06 19	0.10	50.		
A-02-06 20	0.10	60.		
A-02-06 21	0.10	110.		
A-02-06 22	0.10	110.		
A-02-06 27	0.07	70.		
A-02-06 28	0.07	70.		
A-02-06 29	0.10	80.		
A-02-06 30	0.10	80.		
A-02-06 31	0.07	70.		
A-02-06 32	0.10	70.		
A-02-06 33	0.12	100.		
A-02-06 34	0.10	100.		
A-02-06 35	0.10	100.	1.43	
A-03-01 01	0.12	50.		
A-03-01 02	0.10	55.	.82	

Township Average
2.91/36

Township Average
1.43/17
0.08

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
A-03-01 03	0.12	60.	
A-03-01 04	0.10	65.	
A-03-01 05	0.15	75.	
A-03-01 06	0.15	100.	
A-03-01 07	0.12	85.	
A-03-01 08	0.12	95.	
A-03-01 09	0.15	105.	
A-03-01 10	0.10	75.	1.01
A-03-01 11	0.05	50.	
A-03-01 12	0.10	50.	
A-03-01 13	0.10	55.	
A-03-01 14	0.07	65.	
A-03-01 15	0.05	80.	
A-03-01 16	0.12	105.	
A-03-01 17	0.12	105.	
A-03-01 18	0.12	110.	
A-03-01 19	0.10	80.	
A-03-01 20	0.12	60.	0.95
A-03-01 21	0.07	40.	
A-03-01 22	0.07	35.	
A-03-01 23	0.10	40.	
A-03-01 24	0.10	50.	
A-03-01 25	0.10	50.	
A-03-01 26	0.12	70.	
A-03-01 27	0.08	70.	
A-03-01 28	0.08	70.	
A-03-01 29	0.12	100.	
A-03-01 30	0.10	50.	0.94
A-03-01 31	0.12	45.	
A-03-01 32	0.13	80.	
A-03-01 33	0.08	50.	0.33

LOCATION	SP. YIELD	TRANS.		
A-03-01 34	0.07	50.		Township Average 3.72/36
A-03-01 35	0.12	100.		0.10
A-03-01 36	0.08	100.	0,27	
A-03-02 01	0.12	20.		
A-03-02 02	0.12	30.		
A-03-02 03	0.10	40.		
A-03-02 04	0.07	25.		
A-03-02 05	0.07	35.		
A-03-02 06	0.07	45.		
A-03-02 07	0.06	50.		
A-03-02 08	0.05	30.		
A-03-02 09	0.07	40.		
A-03-02 10	0.10	45.	0.83	
A-03-02 11	0.10	20.		
A-03-02 12	0.10	10.		
A-03-02 13	0.08	10.		
A-03-02 14	0.07	10.		
A-03-02 15	0.10	30.		
A-03-02 16	0.10	25.		
A-03-02 17	0.10	25.		
A-03-02 18	0.10	45.		
A-03-02 19	0.10	25.		
A-03-02 20	0.10	25.	0,95	
A-03-02 21	0.10	35.		
A-03-02 22	0.16	80.		
A-03-02 23	0.12	80.		
A-03-02 24	0.10	40.		
A-03-02 25	0.07	5.		
A-03-02 26	0.12	80.		
A-03-02 27	0.07	50.		
A-03-02 28	0.08	30.	0,82	

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 17

LOCATION	SP. YIELD	TRANS.	
A-03-02 29	0.07	70.	
A-03-02 30	0.10	80.	
A-03-02 31	0.10	70.	
A-03-02 32	0.08	70.	
A-03-02 33	0.10	80.	
A-03-02 34	0.10	80.	
A-03-02 35	0.10	80.	
A-03-02 36	0.07	40.	0.72
A-03-03 01	0.10	10.	
A-03-03 02	0.05	10.	
A-03-03 05	0.05	10.	
A-03-03 06	0.10	10.	
A-03-03 11	0.05	5.	
A-03-03 12	0.05	5.	
A-03-03 13	0.07	5.	
A-03-03 14	0.05	5.	
A-03-03 23	0.05	5.	
A-03-03 24	0.10	10.	
A-03-03 31	0.05	30.	
A-03-03 32	0.07	25.	0.79
A-03-04 01	0.10	10.	
A-03-04 02	0.10	15.	
A-03-04 03	0.10	15.	
A-03-04 04	0.10	15.	
A-03-04 05	0.10	10.	
A-03-04 06	0.10	10.	
A-03-04 07	0.10	5.	
A-03-04 08	0.10	5.	
A-03-04 09	0.07	5.	
A-03-04 10	0.07	5.	
A-03-04 11	0.10	10.	1.04

Township Average
3.32/36
0.09

Township Average
0.79/12
0.07

TABLE 44 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 18

LOCATION	SP. YIELD	TRANS.	
A-03-04 12	0.10	10.	
A-03-04 13	0.10	5.	
A-03-04 14	0.10	5.	
A-03-04 15	0.05	5.	
A-03-04 16	0.03	5.	
A-03-04 17	0.03	5.	
A-03-04 18	0.03	5.	
A-03-04 19	0.10	10.	
A-03-04 20	0.05	30.	0.59
A-03-04 21	0.03	5.	
A-03-04 22	0.05	5.	
A-03-04 23	0.07	5.	
A-03-04 24	0.07	5.	
A-03-04 25	0.05	5.	
A-03-04 26	0.05	5.	
A-03-04 27	0.03	5.	
A-03-04 28	0.05	5.	
A-03-04 29	0.05	35.	
A-03-04 34	0.03	20.	
A-03-04 35	0.03	20.	
A-03-04 36	0.05	20.	0.56
A-03-05 04	0.10	5.	
A-03-05 05	0.10	5.	
A-03-05 06	0.10	5.	
A-03-05 07	0.10	5.	
A-03-05 08	0.10	5.	
A-03-05 09	0.10	5.	
A-03-05 16	0.05	5.	
A-03-05 17	0.05	10.	
A-03-05 18	0.05	15.	
A-03-05 19	0.07	15.	0.82

Township Average

2.19 / 32

0.07

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 19

LOCATION	SP. YIELD	TRANS.	
A-03-05 20	0.07	50.	
A-03-05 21	0.10	40.	
A-03-05 22	0.10	30.	
A-03-05 23	0.10	25.	
A-03-05 24	0.10	5.	
A-03-05 25	0.10	50.	
A-03-05 26	0.10	100.	
A-03-05 27	0.10	100.	
A-03-05 28	0.10	100.	
A-03-05 29	0.10	100.	0.97
A-03-05 30	0.05	5.	Township Average
A-03-05 31	0.03	20.	
A-03-05 32	0.03	20.	2.18/27
A-03-05 33	0.03	20.	
A-03-05 34	0.10	70.	0.08
A-03-05 35	0.10	60.	
A-03-05 36	0.05	20.	0.39
A-04-01 05	0.05	10.	
A-04-01 06	0.10	10.	
A-04-01 07	0.10	5.	
A-04-01 08	0.10	5.	
A-04-01 13	0.07	25.	
A-04-01 14	0.07	30.	
A-04-01 15	0.07	25.	
A-04-01 16	0.05	5.	
A-04-01 17	0.10	10.	
A-04-01 18	0.10	25.	
A-04-01 19	0.10	30.	
A-04-01 20	0.05	10.	
A-04-01 21	0.05	75.	
A-04-01 22	0.12	100.	1.13

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
A-04-01 23	0.12	100.	
A-04-01 24	0.16	100.	
A-04-01 25	0.15	25.	Township Average
A-04-01 26	0.08	75.	2.84/28
A-04-01 27	0.12	200.	
A-04-01 28	0.05	150.	0.10
A-04-01 29	0.08	60.	
A-04-01 30	0.10	30.	
A-04-01 31	0.15	100.	
A-04-01 32	0.15	100.	
A-04-01 33	0.15	110.	
A-04-01 34	0.15	200.	
A-04-01 35	0.15	100.	
A-04-01 36	0.10	25.	1.71
A-04-02 23	0.06	100.	
A-04-02 24	0.10	40.	
A-04-02 25	0.15	50.	Township Average
A-04-02 26	0.15	100.	1.41/12
A-04-02 29	0.12	25.	0.12
A-04-02 30	0.15	25.	
A-04-02 31	0.12	15.	
A-04-02 32	0.12	15.	
A-04-02 33	0.12	25.	
A-04-02 34	0.10	35.	
A-04-02 35	0.12	40.	
A-04-02 36	0.08	10.	1.41
A-04-03 01	0.05	10.	
A-04-03 02	0.01	5.	
A-04-03 11	0.10	5.	
A-04-03 12	0.01	10.	
A-04-03 13	0.10	10.	0.27

TABLE 44 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
A-04-03 14	0.05	5.	
A-04-03 19	0.10	25.	
A-04-03 20	0.07	10.	
A-04-03 23	0.10	5.	
A-04-03 24	0.10	10.	
A-04-03 25	0.10	10.	
A-04-03 26	0.10	5.	
A-04-03 29	0.10	15.	
A-04-03 30	0.10	30.	
A-04-03 31	0.10	10.	
A-04-03 32	0.10	10.	
A-04-03 35	0.05	10.	
A-04-03 36	0.10	10.	1,17
A-04-04 01	0.10	20.	
A-04-04 02	0.10	50.	
A-04-04 03	0.10	100.	
A-04-04 04	0.10	80.	
A-04-04 05	0.10	20.	
A-04-04 06	0.10	10.	
A-04-04 07	0.05	10.	
A-04-04 08	0.10	10.	
A-04-04 09	0.10	25.	
A-04-04 10	0.10	20.	
A-04-04 11	0.10	15.	
A-04-04 12	0.10	10.	
A-04-04 13	0.12	30.	
A-04-04 14	0.10	15.	
A-04-04 15	0.10	10.	
A-04-04 16	0.10	10.	
A-04-04 17	0.10	15.	
A-04-04 18	0.10	10.	1,77

Township Average
1.44/18
0.08

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 22

LOCATION	SP. YIELD	TRANS.	
A-04-04 19	0.10	10.	
A-04-04 20	0.10	20.	
A-04-04 21	0.10	15.	
A-04-04 22	0.10	15.	
A-04-04 23	0.10	15.	
A-04-04 24	0.10	35.	
A-04-04 25	0.10	15.	
A-04-04 26	0.10	10.	Township Average
A-04-04 27	0.10	15.	
A-04-04 28	0.10	25.	3,62/36
A-04-04 29	0.10	30.	.10
A-04-04 30	0.10	15.	
A-04-04 31	0.10	35.	
A-04-04 32	0.15	50.	
A-04-04 33	0.10	30.	
A-04-04 34	0.10	20.	
A-04-04 35	0.10	15.	
A-04-04 36	0.10	10.	1.85
A-04-05 06	0.10	15.	Township Average
A-04-05 07	0.10	10.	.70/7
A-04-05 18	0.10	15.	.10
A-04-05 19	0.10	15.	
A-04-05 30	0.10	10.	
A-04-05 31	0.10	10.	
A-04-05 32	0.10	5.	.70
B-01-01 01	0.12	100.	
B-01-01 02	0.15	110.	
B-01-01 03	0.15	25.	
B-01-01 04	0.15	25.	
B-01-01 05	0.15	25.	
B-01-01 06	0.15	15.	.87

LOCATION	SP. YIELD	TRANS.	
B-01-01 07	0.15	35.	
B-01-01 08	0.15	35.	
B-01-01 09	0.10	30.	
B-01-01 10	0.08	30.	
B-01-01 11	0.10	110.	
B-01-01 12	0.12	100.	
B-01-01 13	0.12	200.	
B-01-01 14	0.12	150.	
B-01-01 15	0.15	110.	
B-01-01 16	0.15	100.	1.24
B-01-01 17	0.15	60.	
B-01-01 18	0.15	50.	
B-01-01 19	0.17	100.	
B-01-01 20	0.16	90.	
B-01-01 21	0.18	150.	
B-01-01 22	0.20	200.	
B-01-01 23	0.15	250.	
B-01-01 24	0.15	150.	
B-01-01 25	0.17	200.	
B-01-01 26	0.15	150.	1.63
B-01-01 27	0.17	150.	
B-01-01 28	0.18	200.	
B-01-01 29	0.18	200.	
B-01-01 30	0.18	125.	
B-01-01 31	0.18	125.	
B-01-01 32	0.18	200.	
B-01-01 33	0.15	200.	
B-01-01 34	0.13	150.	
B-01-01 35	0.15	150.	
B-01-01 36	0.17	200.	1.67
B-01-02 01	0.17	15.	.17

Township Average
5.41 / 36
0.15

LOCATION	SP. YIELD	TRANS.	
B-01-02 02	0.15	60.	
B-01-02 03	0.15	50.	
B-01-02 04	0.15	30.	
B-01-02 05	0.12	20.	
B-01-02 06	0.10	15.	
B-01-02 07	0.10	50.	
B-01-02 08	0.12	35.	
B-01-02 09	0.15	35.	
B-01-02 10	0.15	35.	1.19
B-01-02 11	0.15	35.	
B-01-02 12	0.10	40.	
B-01-02 13	0.17	70.	
B-01-02 14	0.15	90.	
B-01-02 15	0.15	85.	
B-01-02 16	0.15	90.	
B-01-02 17	0.17	90.	
B-01-02 18	0.15	70.	
B-01-02 19	0.17	150.	
B-01-02 20	0.15	100.	1.51
B-01-02 21	0.17	100.	
B-01-02 22	0.17	100.	
B-01-02 23	0.17	100.	
B-01-02 24	0.15	100.	
B-01-02 25	0.17	200.	
B-01-02 26	0.15	250.	
B-01-02 27	0.15	150.	
B-01-02 28	0.15	250.	
B-01-02 29	0.17	100.	
B-01-02 30	0.17	200.	
B-01-02 31	0.15	200.	
B-01-02 32	0.12	500.	1.89

TABLE 14 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
B-01-02 33	0.10	400.	
B-01-02 34	0.12	150.	
B-01-02 35	0.10	150.	
B-01-02 36	0.12	200.	.44
B-01-03 01	0.10	10.	
B-01-03 02	0.05	10.	
B-01-03 09	0.05	10.	
B-01-03 10	0.05	10.	
B-01-03 11	0.10	70.	
B-01-03 12	0.10	30.	
B-01-03 13	0.10	60.	
B-01-03 14	0.12	100.	
B-01-03 15	0.10	60.	
B-01-03 16	0.05	30.	
B-01-03 17	0.05	10.	
B-01-03 20	0.10	40.	0.97
B-01-03 21	0.15	60.	
B-01-03 22	0.15	110.	
B-01-03 23	0.17	140.	
B-01-03 24	0.17	150.	
B-01-03 25	0.15	250.	
B-01-03 26	0.15	200.	
B-01-03 27	0.15	150.	
B-01-03 28	0.18	90.	
B-01-03 29	0.15	70.	
B-01-03 32	0.15	90.	
B-01-03 33	0.12	150.	
B-01-03 34	0.09	200.	
B-01-03 35	0.10	250.	
B-01-03 36	0.17	400.	2.05
B-02-01 01	0.12	50.	.12

Township Average
5.2 / 36
.14

Township Average
3.02 / 26
.12

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 26

LOCATION	SP. YIELD	TRANS.	
B-02-01 02	0.12	30.	
B-02-01 03	0.10	40.	
B-02-01 04	0.08	50.	
B-02-01 05	0.12	60.	
B-02-01 06	0.10	50.	
B-02-01 07	0.15	55.	
B-02-01 08	0.15	80.	
B-02-01 09	0.07	80.	
B-02-01 10	0.07	80.	.96
B-02-01 11	0.07	80.	
B-02-01 12	0.10	80.	
B-02-01 13	0.12	25.	
B-02-01 14	0.05	20.	
B-02-01 15	0.03	30.	
B-02-01 16	0.03	30.	
B-02-01 17	0.07	50.	
B-02-01 18	0.15	85.	
B-02-01 19	0.12	80.	
B-02-01 20	0.05	5.	.79
B-02-01 21	0.05	10.	
B-02-01 22	0.05	30.	
B-02-01 23	0.07	5.	
B-02-01 24	0.10	5.	
B-02-01 25	0.11	110.	
B-02-01 26	0.10	5.	
B-02-01 27	0.08	5.	
B-02-01 28	0.13	5.	
B-02-01 29	0.10	5.	
B-02-01 30	0.11	5.	
B-02-01 31	0.12	25.	
B-02-01 32	0.15	50.	1,17

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 27

LOCATION	SP. YIELD	TRANS.	
B-02-01 33	0.15	15.	
B-02-01 34	0.17	55.	
B-02-01 35	0.15	50.	
B-02-01 36	0.12	110.	.59
B-02-02 01	0.10	60.	
B-02-02 02	0.07	30.	
B-02-02 03	0.05	25.	
B-02-02 04	0.05	15.	
B-02-02 09	0.10	15.	
B-02-02 10	0.10	25.	
B-02-02 11	0.07	40.	
B-02-02 12	0.12	50.	
B-02-02 13	0.13	70.	
B-02-02 14	0.07	50.	
B-02-02 15	0.06	30.	
B-02-02 16	0.05	30.	.97
B-02-02 20	0.10	5.	
B-02-02 21	0.10	15.	
B-02-02 22	0.12	35.	
B-02-02 23	0.10	45.	
B-02-02 24	0.09	65.	
B-02-02 25	0.12	40.	
B-02-02 26	0.12	80.	
B-02-02 27	0.14	80.	
B-02-02 28	0.10	40.	
B-02-02 29	0.10	15.	
B-02-02 32	0.05	5.	
B-02-02 33	0.08	30.	
B-02-02 34	0.15	30.	
B-02-02 35	0.15	15.	
B-02-02 36	0.15	15.	1.67

Township Average
3.63/36
.10

Town Ship Average
2.64/27
.10

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
B-03-01 01	0.12	150.	
B-03-01 02	0.12	200.	
B-03-01 03	0.13	100.	
B-03-01 04	0.12	150.	
B-03-01 05	0.10	110.	
B-03-01 06	0.10	60.	
B-03-01 07	0.10	50.	
B-03-01 08	0.15	125.	
B-03-01 09	0.20	200.	
B-03-01 10	0.22	200.	1,36
B-03-01 11	0.15	150.	
B-03-01 12	0.10	60.	
B-03-01 13	0.07	40.	
B-03-01 14	0.12	80.	
B-03-01 15	0.17	125.	
B-03-01 16	0.22	200.	
B-03-01 17	0.15	200.	
B-03-01 18	0.10	125.	
B-03-01 19	0.10	150.	
B-03-01 20	0.10	120.	1,28
B-03-01 21	0.15	100.	
B-03-01 22	0.15	150.	
B-03-01 23	0.12	100.	
B-03-01 24	0.10	50.	
B-03-01 25	0.10	50.	
B-03-01 26	0.12	150.	
B-03-01 27	0.12	150.	
B-03-01 28	0.12	100.	
B-03-01 29	0.10	250.	
B-03-01 30	0.10	150.	
B-03-01 31	0.05	200.	1,23

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
B-03-01 32	0.12	120.	
B-03-01 33	0.12	90.	
B-03-01 34	0.13	150.	
B-03-01 35	0.15	150.	
B-03-01 36	0.12	100.	.64
B-03-02 01	0.07	50.	
B-03-02 02	0.07	25.	
B-03-02 03	0.12	45.	
B-03-02 04	0.10	5.	
B-03-02 09	0.05	5.	
B-03-02 10	0.07	35.	
B-03-02 11	0.07	20.	
B-03-02 12	0.12	45.	
B-03-02 13	0.09	30.	
B-03-02 14	0.09	20.	
B-03-02 15	0.12	50.	
B-03-02 16	0.10	5.	1.07
B-03-02 21	0.10	5.	
B-03-02 22	0.12	20.	
B-03-02 23	0.07	25.	
B-03-02 24	0.10	25.	
B-03-02 25	0.06	50.	
B-03-02 26	0.10	50.	
B-03-02 27	0.12	70.	
B-03-02 28	0.10	5.	
B-03-02 33	0.05	5.	
B-03-02 34	0.10	20.	
B-03-02 35	0.10	25.	
B-03-02 36	0.10	50.	1.12
B-04-01 01	0.10	5.	
B-04-01 02	0.10	5.	.20

Township Average
4.51/36
.13

Township Average
2.19/24
.09

LOCATION	SP. YIELD	TRANS.	
B-04-01 03	0.10	5.	
B-04-01 04	0.10	5.	
B-04-01 05	0.10	5.	
B-04-01 06	0.10	5.	
B-04-01 07	0.08	5.	
B-04-01 08	0.10	5.	
B-04-01 09	0.10	5.	
B-04-01 10	0.10	5.	
B-04-01 11	0.10	5.	
B-04-01 12	0.10	5.	
B-04-01 13	0.10	45.	1.08
B-04-01 14	0.12	100.	
B-04-01 15	0.12	100.	
B-04-01 16	0.10	60.	
B-04-01 17	0.06	60.	
B-04-01 18	0.06	60.	
B-04-01 19	0.05	80.	
B-04-01 20	0.05	90.	
B-04-01 21	0.07	35.	
B-04-01 22	0.10	50.	
B-04-01 23	0.10	50.	0.83
B-04-01 24	0.10	60.	
B-04-01 25	0.10	75.	
B-04-01 26	0.10	80.	
B-04-01 27	0.12	80.	
B-04-01 28	0.10	50.	
B-04-01 29	0.05	90.	
B-04-01 30	0.05	120.	
B-04-01 31	0.05	80.	
B-04-01 32	0.10	150.	
B-04-01 33	0.10	200.	0.87

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

Township Average
3.3/36
0.09

LOCATION	SP. YIELD	TRANS.	
B-04-01 34	0.12	100.	
B-04-01 35	0.10	90.	
B-04-01 36	0.10	75.	.32
B-04-02 01	0.05	5.	
B-04-02 02	0.05	5.	
B-04-02 03	0.10	5.	
B-04-02 04	0.10	5.	
B-04-02 05	0.10	5.	
B-04-02 06	0.10	5.	
B-04-02 07	0.10	5.	
B-04-02 08	0.10	5.	
B-04-02 09	0.10	5.	
B-04-02 10	0.10	5.	
B-04-02 11	0.10	5.	
B-04-02 12	0.05	5.	
B-04-02 13	0.10	20.	
B-04-02 14	0.10	20.	1.25
B-04-02 15	0.10	20.	
B-04-02 16	0.10	15.	
B-04-02 17	0.10	15.	
B-04-02 18	0.10	15.	
B-04-02 19	0.10	15.	
B-04-02 20	0.10	15.	
B-04-02 21	0.10	15.	
B-04-02 22	0.05	60.	
B-04-02 23	0.05	60.	
B-04-02 24	0.05	80.	
B-04-02 25	0.05	65.	
B-04-02 26	0.05	45.	
B-04-02 27	0.08	35.	
B-04-02 28	0.10	5.	1.13

LOCATION	SP. YIELD	TRANS.	
B-04-02 33	0.10	5.	
B-04-02 34	0.05	25.	
B-04-02 35	0.05	35.	
B-04-02 36	0.05	55.	.25
C-01-02 03	0.12	150.	
C-01-02 04	0.10	150.	
C-01-02 05	0.17	250.	
C-01-02 06	0.22	600.	
C-01-02 07	0.20	250.	
C-01-02 08	0.18	250.	
C-01-02 18	0.15	50.	1.14
C-01-03 01	0.16	200.	
C-01-03 02	0.17	200.	
C-01-03 03	0.16	170.	
C-01-03 04	0.18	130.	
C-01-03 05	0.21	100.	
C-01-03 06	0.18	70.	
C-01-03 07	0.17	100.	
C-01-03 08	0.20	100.	
C-01-03 09	0.20	75.	
C-01-03 10	0.17	50.	
C-01-03 11	0.15	150.	
C-01-03 12	0.17	200.	
C-01-03 13	0.17	150.	2.31
D-01-01 01	0.18	200.	
D-01-01 02	0.17	150.	
D-01-01 03	0.18	150.	
D-01-01 04	0.18	175.	
D-01-01 05	0.18	200.	
D-01-01 08	0.15	100.	
D-01-01 09	0.15	80.	1.19

Township Average
2.63 / 32
0.08

Township Average
1.14 / 7
.16

Township Average
2.31 / 13
.18

LOCATION	SP. YIELD	TRANS.	
D-01-01 10	0.15	60.	
D-01-01 11	0.15	45.	
D-01-01 12	0.12	35.	
D-01-01 13	0.15	75.	
D-01-01 14	0.15	80.	
D-01-01 15	0.15	90.	
D-01-01 16	0.15	100.	
D-01-01 17	0.15	150.	
D-01-01 20	0.15	100.	1.32
D-01-01 21	0.15	150.	
D-01-01 22	0.15	150.	
D-01-01 23	0.15	140.	
D-01-01 24	0.15	120.	
D-01-01 25	0.15	150.	
D-01-01 26	0.15	150.	
D-01-01 27	0.15	130.	
D-01-01 28	0.15	115.	
D-01-01 29	0.15	100.	
D-01-01 35	0.15	80.	
D-01-01 36	0.15	100.	1.65
D-01-02 01	0.07	60.	
D-01-02 02	0.10	60.	
D-01-02 03	0.10	30.	
D-01-02 04	0.08	70.	
D-01-02 05	0.15	100.	
D-01-02 06	0.19	150.	
D-01-02 07	0.10	25.	
D-01-02 08	0.08	10.	
D-01-02 17	0.10	30.	
D-01-02 18	0.11	70.	
D-01-02 19	0.12	80.	1.2

Township Average
4.16/27
.15

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
D-01-02 20	0.12	30.	
D-01-02 29	0.15	50.	
D-01-02 30	0.15	100.	
D-01-02 31	0.15	150.	
D-01-02 32	0.15	30.	.72
D-01-03 05	0.15	100.	
D-01-03 06	0.15	150.	.30
D-01-04 01	0.10	80.	
D-01-04 02	0.10	140.	
D-01-04 03	0.11	40.	
D-01-04 04	0.10	40.	
D-01-04 09	0.12	45.	
D-01-04 10	0.13	100.	
D-01-04 11	0.13	100.	
D-01-04 12	0.18	95.	
D-01-04 13	0.22	110.	
D-01-04 14	0.18	130.	1.37
D-01-04 15	0.12	155.	
D-01-04 16	0.10	70.	
D-01-04 17	0.10	120.	
D-01-04 18	0.10	200.	
D-01-04 19	0.10	75.	
D-01-04 20	0.12	50.	
D-01-04 21	0.18	120.	
D-01-04 22	0.17	125.	
D-01-04 23	0.22	135.	
D-01-04 24	0.22	150.	
D-01-04 25	0.18	200.	
D-01-04 26	0.17	190.	
D-01-04 27	0.18	175.	
D-01-04 28	0.17	180.	2.13

Township Average
1.92/16
0.12

Township Average
.30/2
.15

LOCATION	SP. YIELD	TRANS.
D-01-04 29	0.15	100.
D-01-04 30	0.07	60.
D-01-04 31	0.07	45.
D-01-04 32	0.08	50.
D-01-04 33	0.12	200.
D-01-04 34	0.15	250.
D-01-04 35	0.15	250.
D-01-04 36	0.15	250.
D-01-05 01	0.13	55.
D-01-05 02	0.10	45.
D-01-05 03	0.12	45.
D-01-05 04	0.07	50.
D-01-05 05	0.10	80.
D-01-05 06	0.10	80.
D-01-05 07	0.13	110.
D-01-05 08	0.15	100.
D-01-05 09	0.12	45.
D-01-05 10	0.08	80.
D-01-05 11	0.08	50.
D-01-05 12	0.12	95.
D-01-05 13	0.12	180.
D-01-05 14	0.12	40.
D-01-05 15	0.10	35.
D-01-05 16	0.12	40.
D-01-05 17	0.22	90.
D-01-05 18	0.18	150.
D-01-05 19	0.22	120.
D-01-05 20	0.12	90.
D-01-05 21	0.12	75.
D-01-05 22	0.12	80.
D-01-05 23	0.12	35.

Township Average
4,44/32
0.14

.94

1.18

1.68

TABLE 14 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.
D-01-05 24	0.15	150.
D-01-05 25	0.22	350.
D-01-05 26	0.17	150.
D-01-05 27	0.15	30.
D-01-05 28	0.15	55.
D-01-05 29	0.19	50.
D-01-05 30	0.15	120.
D-01-05 31	0.12	180.
D-01-05 32	0.20	100.
D-01-05 33	0.20	105.
D-01-05 34	0.20	250.
D-01-05 35	0.18	250.
D-01-05 36	0.16	200.
D-01-06 01	0.05	50.
D-01-06 02	0.05	30.
D-01-06 03	0.10	80.
D-01-06 04	0.10	135.
D-01-06 05	0.12	190.
D-01-06 06	0.11	120.
D-01-06 07	0.12	175.
D-01-06 08	0.05	45.
D-01-06 09	0.05	150.
D-01-06 10	0.07	65.
D-01-06 11	0.05	30.
D-01-06 12	0.10	90.
D-01-06 13	0.10	110.
D-01-06 14	0.05	15.
D-01-06 15	0.10	100.
D-01-06 16	0.18	120.
D-01-06 17	0.10	90.
D-01-06 18	0.18	120.

Township Average

5.1/36

.14

2.24

1.68

LOCATION	SP. YIELD	TRANS.	
D-01-06 19	0.12	100.	
D-01-06 20	0.09	80.	
D-01-06 21	0.12	110.	
D-01-06 22	0.06	50.	
D-01-06 23	0.05	5.	
D-01-06 24	0.06	50.	
D-01-06 25	0.07	40.	
D-01-06 26	0.05	35.	
D-01-06 27	0.07	50.	Township Average
D-01-06 28	0.07	50.	3.16/36
D-01-06 29	0.12	50.	
D-01-06 30	0.15	90.	0.09
D-01-06 31	0.12	110.	
D-01-06 32	0.08	55.	
D-01-06 33	0.10	100.	
D-01-06 34	0.07	50.	
D-01-06 35	0.03	25.	
D-01-06 36	0.05	25.	1.48
D-01-07 01	0.05	50.	
D-01-07 02	0.10	90.	
D-01-07 03	0.10	90.	
D-01-07 04	0.12	150.	
D-01-07 05	0.10	150.	
D-01-07 06	0.10	150.	
D-01-07 07	0.12	100.	
D-01-07 08	0.07	50.	
D-01-07 09	0.07	50.	
D-01-07 10	0.10	50.	
D-01-07 11	0.10	50.	
D-01-07 12	0.05	50.	
D-01-07 13	0.05	50.	1.13

LOCATION	SP. YIELD	TRANS.
D-01-07 14	0.05	50.
D-01-07 15	0.05	50.
D-01-07 16	0.07	50.
D-01-07 17	0.05	60.
D-01-07 18	0.10	100.
D-01-07 19	0.10	50.
D-01-07 20	0.03	40.
D-01-07 21	0.03	30.
D-01-07 22	0.03	30.
D-01-07 23	0.06	30.
D-01-07 24	0.08	50.
D-01-07 25	0.08	50.
D-01-07 26	0.07	40.
D-01-07 27	0.05	40.
D-01-07 28	0.03	25.
D-01-07 29	0.05	25.
D-01-07 30	0.11	25.
D-01-07 31	0.05	25.
D-01-07 32	0.03	25.
D-01-07 33	0.05	15.
D-01-07 34	0.05	25.
D-01-07 35	0.10	20.
D-01-07 36	0.05	15.
D-01-08 02	0.05	10.
D-01-08 03	0.05	50.
D-01-08 04	0.05	65.
D-01-08 05	0.05	65.
D-01-08 06	0.05	50.
D-01-08 07	0.05	65.
D-01-08 08	0.08	50.
D-01-08 09	0.08	50.

Township Average

2.5/36

0.07

1.37

.46

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 39

LOCATION	SP. YIELD	TRANS.	
D-01-08 10	0.10	65.	
D-01-08 11	0.10	50.	
D-01-08 12	0.10	50.	
D-01-08 13	0.10	10.	
D-01-08 14	0.10	10.	
D-01-08 15	0.05	10.	
D-01-08 16	0.07	40.	
D-01-08 17	0.03	4.	
D-01-08 18	0.05	50.	
D-01-08 19	0.10	30.	
D-01-08 20	0.10	30.	
D-01-08 21	0.10	30.	
D-01-08 22	0.10	30.	
D-01-08 23	0.10	30.	1.2
D-01-08 24	0.10	30.	
D-01-08 25	0.10	10.	
D-01-08 26	0.05	10.	
D-01-08 27	0.05	10.	
D-01-08 28	0.05	10.	
D-01-08 29	0.25	5.	
D-01-08 30	0.07	40.	
D-01-08 31	0.03	15.	
D-01-08 32	0.05	30.	
D-01-08 33	0.05	30.	
D-01-08 34	0.10	30.	
D-01-08 35	0.10	30.	
D-01-08 36	0.10	30.	1.1
D-01-09 07	0.05	5.	
D-01-09 08	0.05	5.	
D-01-09 09	0.05	5.	
D-01-09 10	0.05	5.	.20

Township Average

2.76 /35

0.08

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 40

LOCATION	SP. YIELD	TRANS.	
D-01-09 13	0.05	5.	
D-01-09 14	0.05	5.	
D-01-09 15	0.10	15.	
D-01-09 16	0.10	20.	
D-01-09 17	0.10	20.	
D-01-09 18	0.10	20.	
D-01-09 19	0.10	40.	
D-01-09 20	0.10	40.	
D-01-09 21	0.10	40.	
D-01-09 22	0.10	40.	
D-01-09 23	0.10	30.	
D-01-09 24	0.05	10.	1.05
D-01-09 25	0.10	20.	
D-01-09 26	0.10	20.	
D-01-09 27	0.10	20.	Township Average
D-01-09 28	0.10	20.	2.45 / 28
D-01-09 29	0.10	20.	
D-01-09 30	0.10	15.	
D-01-09 31	0.10	40.	0.09
D-01-09 32	0.10	40.	
D-01-09 33	0.10	40.	
D-01-09 34	0.10	20.	
D-01-09 35	0.10	20.	
D-01-09 36	0.10	20.	1.20
D-01-10 30	0.05	5.	Township Average .10/2
D-01-10 31	0.05	5.	.10 0.05
D-02-01 01	0.15	120.	Township Average
D-02-01 02	0.15	70.	.45/2
D-02-01 12	0.15	100.	.45
D-02-02 01	0.10	10.	
D-02-02 02	0.10	10.	.20

TABLE 14 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
D-02-02 03	0.10	15.	
D-02-02 04	0.10	20.	
D-02-02 05	0.15	30.	
D-02-02 06	0.15	150.	
D-02-02 07	0.15	150.	
D-02-02 08	0.15	100.	
D-02-02 09	0.15	100.	
D-02-02 10	0.15	80.	
D-02-02 11	0.10	60.	
D-02-02 12	0.10	30.	1,3
D-02-02 13	0.10	70.	
D-02-02 14	0.10	100.	
D-02-02 15	0.15	150.	
D-02-02 16	0.15	200.	
D-02-02 17	0.15	200.	
D-02-02 20	0.10	120.	
D-02-02 21	0.15	100.	
D-02-02 22	0.15	150.	
D-02-02 23	0.15	150.	
D-02-02 24	0.10	100.	1,3
D-02-02 25	0.15	150.	
D-02-02 26	0.12	150.	
D-02-02 27	0.10	100.	
D-02-02 28	0.10	125.	
D-02-02 29	0.10	100.	
D-02-02 32	0.10	100.	
D-02-02 33	0.10	125.	
D-02-02 34	0.10	100.	
D-02-02 35	0.10	100.	
D-02-02 36	0.15	100.	1,2
D-02-03 01	0.12	30.	,12

Township Average

3,33/30

,13

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 42

LOCATION	SP. YIELD	TRANS.	
D-02-03 02	0.08	20.	
D-02-03 07	0.10	20.	
D-02-03 08	0.10	20.	
D-02-03 09	0.10	20.	
D-02-03 10	0.10	20.	
D-02-03 11	0.10	60.	
D-02-03 12	0.10	35.	
D-02-03 13	0.10	45.	.68
D-02-03 14	0.10	90.	
D-02-03 15	0.05	90.	
D-02-03 16	0.10	70.	
D-02-03 17	0.10	70.	
D-02-03 18	0.10	70.	
D-02-03 19	0.10	100.	
D-02-03 20	0.10	100.	
D-02-03 21	0.10	100.	
D-02-03 22	0.12	180.	
D-02-03 23	0.12	120.	
D-02-03 24	0.10	50.	1.09
D-02-03 25	0.12	100.	
D-02-03 26	0.12	150.	
D-02-03 27	0.12	180.	Township Average
D-02-03 28	0.12	180.	
D-02-03 29	0.15	100.	3.37/32
D-02-03 30	0.15	150.	
D-02-03 31	0.15	150.	.11
D-02-03 32	0.15	100.	
D-02-03 33	0.10	80.	
D-02-03 34	0.10	60.	
D-02-03 35	0.10	90.	
D-02-03 36	0.10	60.	1.48

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
D-02-04 01	0.15	200.	
D-02-04 02	0.10	150.	
D-02-04 03	0.10	120.	
D-02-04 04	0.10	100.	
D-02-04 05	0.10	40.	
D-02-04 06	0.15	75.	
D-02-04 07	0.10	45.	
D-02-04 08	0.10	80.	
D-02-04 09	0.10	100.	
D-02-04 10	0.10	130.	1.1
D-02-04 11	0.15	170.	
D-02-04 12	0.22	200.	
D-02-04 13	0.15	100.	
D-02-04 14	0.12	95.	
D-02-04 15	0.10	90.	
D-02-04 16	0.10	85.	
D-02-04 17	0.10	70.	
D-02-04 18	0.10	50.	
D-02-04 19	0.10	60.	
D-02-04 20	0.10	60.	1.24
D-02-04 21	0.10	70.	
D-02-04 22	0.10	65.	
D-02-04 23	0.10	60.	
D-02-04 24	0.15	55.	
D-02-04 25	0.12	140.	
D-02-04 26	0.10	110.	
D-02-04 27	0.10	80.	
D-02-04 28	0.10	55.	
D-02-04 29	0.10	45.	
D-02-04 30	0.12	70.	
D-02-04 31	0.10	45.	1.19

LOCATION	SP. YIELD	TRANS.	
D-02-04 32	0.10	50.	Township Average
D-02-04 33	0.10	45.	4,05/36
D-02-04 34	0.10	75.	,11
D-02-04 35	0.10	125.	
D-02-04 36	0.12	170.	.52
D-02-05 01	0.15	250.	
D-02-05 02	0.17	250.	
D-02-05 03	0.17	200.	
D-02-05 04	0.12	250.	
D-02-05 05	0.17	150.	
D-02-05 06	0.18	200.	
D-02-05 07	0.18	175.	
D-02-05 08	0.17	150.	
D-02-05 09	0.14	40.	
D-02-05 10	0.13	50.	
D-02-05 11	0.10	40.	
D-02-05 12	0.12	150.	
D-02-05 13	0.17	200.	1.97
D-02-05 14	0.11	150.	
D-02-05 15	0.07	100.	
D-02-05 16	0.15	80.	
D-02-05 17	0.15	80.	
D-02-05 18	0.18	105.	
D-02-05 19	0.15	50.	
D-02-05 20	0.15	35.	
D-02-05 21	0.15	25.	
D-02-05 22	0.15	100.	
D-02-05 23	0.15	200.	
D-02-05 24	0.12	100.	
D-02-05 25	0.04	25.	
D-02-05 26	0.06	50.	1.63

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.
D-02-05 27	0.13	150.
D-02-05 28	0.12	100.
D-02-05 29	0.15	70.
D-02-05 30	0.15	40.
D-02-05 31	0.15	100.
D-02-05 32	0.10	80.
D-02-05 33	0.14	100.
D-02-05 34	0.10	100.
D-02-05 35	0.05	20.
D-02-05 36	0.04	30.
D-02-06 01	0.05	30.
D-02-06 02	0.10	110.
D-02-06 03	0.08	75.
D-02-06 04	0.07	50.
D-02-06 05	0.08	60.
D-02-06 06	0.08	150.
D-02-06 07	0.12	150.
D-02-06 08	0.09	40.
D-02-06 09	0.10	60.
D-02-06 10	0.10	90.
D-02-06 11	0.10	70.
D-02-06 12	0.07	40.
D-02-06 13	0.10	40.
D-02-06 14	0.12	100.
D-02-06 15	0.10	70.
D-02-06 16	0.10	70.
D-02-06 17	0.12	100.
D-02-06 18	0.12	100.
D-02-06 19	0.10	75.
D-02-06 20	0.12	75.
D-02-06 21	0.15	75.

Township Average

4,73/36

.13

1.13

.87

1.2

TABLE 14 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 46

LOCATION	SP. YIELD	TRANS.
D-02-06 22	0.15	75.
D-02-06 23	0.17	150.
D-02-06 24	0.12	90.
D-02-06 25	0.11	110.
D-02-06 26	0.14	110.
D-02-06 27	0.07	90.
D-02-06 28	0.12	100.
D-02-06 29	0.10	60.
D-02-06 30	0.09	50.
D-02-06 31	0.05	30.
D-02-06 32	0.06	50.
D-02-06 33	0.07	50.
D-02-06 34	0.03	40.
D-02-06 35	0.03	30.
D-02-06 36	0.04	30.
D-02-07 01	0.12	50.
D-02-07 02	0.12	90.
D-02-07 03	0.15	150.
D-02-07 04	0.18	250.
D-02-07 05	0.10	100.
D-02-07 06	0.07	50.
D-02-07 07	0.10	100.
D-02-07 08	0.13	75.
D-02-07 09	0.20	250.
D-02-07 10	0.10	110.
D-02-07 11	0.10	50.
D-02-07 12	0.10	50.
D-02-07 13	0.12	100.
D-02-07 14	0.08	110.
D-02-07 15	0.08	80.
D-02-07 16	0.06	90.

Township Average

3.42/36

.10

1.35

1.81

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.
D-02-07 17	0.08	100.
D-02-07 18	0.12	40.
D-02-07 19	0.15	80.
D-02-07 20	0.15	110.
D-02-07 21	0.06	60.
D-02-07 22	0.06	80.
D-02-07 23	0.04	50.
D-02-07 24	0.06	80.
D-02-07 25	0.03	80.
D-02-07 26	0.03	40.
D-02-07 27	0.03	90.
D-02-07 28	0.03	40.
D-02-07 29	0.05	60.
D-02-07 30	0.09	70.
D-02-07 31	0.04	40.
D-02-07 32	0.04	45.
D-02-07 33	0.03	40.
D-02-07 34	0.03	40.
D-02-07 35	0.06	50.
D-02-07 36	0.06	60.
D-02-08 01	0.03	40.
D-02-08 02	0.05	50.
D-02-08 03	0.07	75.
D-02-08 04	0.10	75.
D-02-08 05	0.07	50.
D-02-08 06	0.03	5.
D-02-08 07	0.12	90.
D-02-08 08	0.15	100.
D-02-08 09	0.15	110.
D-02-08 10	0.15	140.
D-02-08 11	0.08	100.

Township Average

3.05/36

0.09

1.24

1.0

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
D-02-08 12	0.07	60.	
D-02-08 13	0.05	60.	
D-02-08 14	0.08	100.	
D-02-08 15	0.10	100.	
D-02-08 16	0.09	60.	
D-02-08 17	0.10	100.	
D-02-08 18	0.12	100.	
D-02-08 19	0.10	100.	
D-02-08 20	0.08	70.	
D-02-08 21	0.12	110.	
D-02-08 22	0.10	110.	
D-02-08 23	0.08	60.	
D-02-08 24	0.07	60.	1,16
D-02-08 25	0.11	100.	
D-02-08 26	0.11	110.	
D-02-08 27	0.12	120.	
D-02-08 28	0.10	110.	
D-02-08 29	0.10	100.	
D-02-08 30	0.07	150.	
D-02-08 31	0.08	75.	
D-02-08 32	0.10	100.	
D-02-08 33	0.13	250.	
D-02-08 34	0.13	200.	
D-02-08 35	0.12	200.	
D-02-08 36	0.15	150.	1,32
D-02-09 01	0.10	40.	
D-02-09 02	0.10	40.	
D-02-09 03	0.07	40.	
D-02-09 04	0.07	40.	
D-02-09 05	0.07	40.	
D-02-09 06	0.07	40.	,48

Township Average

3,48 | 36

.10

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
D-02-09 07	0.10	50.	
D-02-09 08	0.05	50.	
D-02-09 09	0.05	50.	
D-02-09 10	0.05	50.	
D-02-09 11	0.10	50.	
D-02-09 12	0.10	50.	
D-02-09 13	0.06	30.	
D-02-09 14	0.05	50.	
D-02-09 15	0.05	50.	
D-02-09 16	0.05	50.	
D-02-09 17	0.03	50.	
D-02-09 18	0.04	50.	
D-02-09 19	0.05	50.	
D-02-09 20	0.05	50.	
D-02-09 21	0.05	20.	.84
D-02-09 22	0.05	20.	
D-02-09 23	0.05	20.	
D-02-09 24	0.05	20.	
D-02-09 25	0.04	30.	
D-02-09 26	0.04	20.	
D-02-09 27	0.04	20.	Township Average
D-02-09 28	0.04	20.	
D-02-09 29	0.04	20.	2.19/36
D-02-09 30	0.08	70.	
D-02-09 31	0.10	80.	0.06
D-02-09 32	0.07	60.	
D-02-09 33	0.04	40.	
D-02-09 34	0.04	40.	
D-02-09 35	0.05	50.	
D-02-09 36	0.10	70.	.83
D-02-10 05	0.05	5.	0.05

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
D-02-10 06	0.10	40.	
D-02-10 07	0.10	50.	
D-02-10 08	0.05	5.	
D-02-10 17	0.05	10.	
D-02-10 18	0.10	30.	
D-02-10 19	0.10	20.	
D-02-10 20	0.10	30.	
D-02-10 21	0.10	15.	
D-02-10 22	0.10	15.	
D-02-10 23	0.10	15.	
D-02-10 24	0.10	15.	1.0
D-02-10 25	0.10	20.	
D-02-10 26	0.10	20.	
D-02-10 27	0.10	20.	
D-02-10 28	0.10	20.	Township Average
D-02-10 29	0.10	40.	
D-02-10 30	0.10	70.	2.25 / 24
D-02-10 31	0.10	70.	
D-02-10 32	0.10	70.	0.09
D-02-10 33	0.10	70.	
D-02-10 34	0.10	70.	
D-02-10 35	0.10	50.	
D-02-10 36	0.10	50.	1.2
D-03-02 01	0.10	100.	
D-03-02 02	0.10	120.	
D-03-02 03	0.10	150.	
D-03-02 04	0.10	100.	
D-03-02 09	0.10	100.	
D-03-02 10	0.10	125.	
D-03-02 11	0.10	150.	
D-03-02 12	0.10	125.	0.8

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.	
D-03-02 13	0.10	150.	
D-03-02 14	0.10	150.	
D-03-02 15	0.10	120.	Township Average
D-03-02 16	0.05	100.	2,03/21
D-03-02 22	0.10	100.	
D-03-02 23	0.08	100.	.1
D-03-02 24	0.10	150.	
D-03-02 25	0.10	150.	
D-03-02 26	0.10	120.	
D-03-02 27	0.10	100.	
D-03-02 34	0.10	70.	
D-03-02 35	0.10	80.	
D-03-02 36	0.10	100.	1,23
D-03-03 01	0.10	60.	
D-03-03 02	0.10	80.	
D-03-03 03	0.12	100.	
D-03-03 04	0.15	150.	
D-03-03 05	0.15	150.	
D-03-03 06	0.15	100.	
D-03-03 07	0.10	100.	
D-03-03 08	0.12	100.	
D-03-03 09	0.15	150.	
D-03-03 10	0.15	150.	
D-03-03 11	0.15	150.	
D-03-03 12	0.12	100.	
D-03-03 13	0.15	150.	
D-03-03 14	0.15	150.	
D-03-03 15	0.12	100.	
D-03-03 16	0.10	120.	
D-03-03 17	0.10	100.	
D-03-03 18	0.10	100.	2,28

LOCATION	SP. YIELD	TRANS.
D-03-03 19	0.10	150.
D-03-03 20	0.10	120.
D-03-03 21	0.10	100.
D-03-03 22	0.10	80.
D-03-03 27	0.10	80.
D-03-03 28	0.10	100.
D-03-03 29	0.10	120.
D-03-03 30	0.10	150.
D-03-03 31	0.10	150.
D-03-03 32	0.10	100.
D-03-03 33	0.10	80.
D-03-03 34	0.10	70.
D-03-03 35	0.10	60.
D-03-03 36	0.10	50.
D-03-04 01	0.10	130.
D-03-04 02	0.10	110.
D-03-04 03	0.10	90.
D-03-04 04	0.10	45.
D-03-04 05	0.10	50.
D-03-04 06	0.10	45.
D-03-04 07	0.10	100.
D-03-04 08	0.10	100.
D-03-04 09	0.10	70.
D-03-04 10	0.10	100.
D-03-04 11	0.12	100.
D-03-04 12	0.10	100.
D-03-04 13	0.15	150.
D-03-04 14	0.15	150.
D-03-04 15	0.15	150.
D-03-04 16	0.15	150.
D-03-04 17	0.15	150.

Township Average

3,68/32

.12

1,40

1.97

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 53

LOCATION	SP. YIELD	TRANS.
D-03-04 18	0.15	150.
D-03-04 19	0.15	150.
D-03-04 20	0.15	150.
D-03-04 21	0.15	150.
D-03-04 22	0.10	100.
D-03-04 23	0.10	70.
D-03-04 24	0.12	80.
D-03-04 25	0.07	15.
D-03-04 26	0.10	15.
D-03-04 27	0.10	30.
D-03-04 28	0.10	70.
D-03-04 29	0.10	100.
D-03-04 30	0.10	100.
D-03-04 31	0.10	40.
D-03-04 32	0.10	30.
D-03-04 33	0.10	20.
D-03-04 34	0.10	10.
D-03-04 35	0.10	5.
D-03-04 36	0.07	5.
D-03-05 01	0.08	50.
D-03-05 02	0.10	45.
D-03-05 03	0.08	45.
D-03-05 04	0.12	40.
D-03-05 05	0.12	70.
D-03-05 06	0.12	100.
D-03-05 07	0.10	100.
D-03-05 08	0.10	50.
D-03-05 09	0.10	45.
D-03-05 10	0.10	25.
D-03-05 11	0.10	20.
D-03-05 12	0.10	30.

Township Average
4,03 / 36
,11
2.06
1.22

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY PAGE 54

LOCATION	SP. YIELD	TRANS.	
D-03-05 13	0.10	45.	
D-03-05 14	0.10	20.	
D-03-05 15	0.10	60.	
D-03-05 16	0.10	65.	
D-03-05 18	0.15	150.	
D-03-05 19	0.15	100.	
D-03-05 21	0.10	100.	
D-03-05 22	0.10	100.	
D-03-05 23	0.10	80.	
D-03-05 24	0.15	80.	1.15
D-03-05 25	0.15	75.	
D-03-05 26	0.10	30.	
D-03-05 27	0.10	150.	
D-03-05 28	0.05	50.	Township Average
D-03-05 29	0.07	50.	
D-03-05 30	0.10	50.	
D-03-05 31	0.10	10.	3.58/34
D-03-05 32	0.05	10.	.11
D-03-05 33	0.07	80.	
D-03-05 34	0.15	100.	
D-03-05 35	0.15	100.	
D-03-05 36	0.12	70.	1.21
D-03-06 05	0.10	70.	
D-03-06 06	0.10	60.	
D-03-06 07	0.10	40.	
D-03-06 08	0.10	50.	
D-03-06 17	0.10	30.	
D-03-06 18	0.10	35.	
D-03-06 19	0.10	80.	
D-03-06 20	0.10	80.	
D-03-06 29	0.10	70.	.90

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.		Township Average
D-03-06 30	0.10	70.		1.20/12
D-03-06 31	0.10	70.		.10
D-03-06 32	0.10	70.	.3	
D-03-07 01	0.15	200.		Township Average
D-03-07 02	0.09	150.		.47/4
D-03-07 11	0.10	40.		.12
D-03-07 12	0.13	150.	.47	
D-03-08 01	0.14	150.		
D-03-08 02	0.11	200.		
D-03-08 03	0.08	150.		
D-03-08 04	0.08	90.		
D-03-08 05	0.12	130.		
D-03-08 06	0.15	150.		
D-03-08 07	0.12	150.		
D-03-08 08	0.07	100.		
D-03-08 09	0.08	75.		
D-03-08 10	0.10	100.		
D-03-08 11	0.10	100.		
D-03-08 12	0.13	110.	1.28	
D-03-08 13	0.14	100.		
D-03-08 14	0.12	125.		
D-03-08 15	0.12	125.		
D-03-08 16	0.10	110.		
D-03-08 17	0.09	100.		
D-03-08 20	0.06	75.		
D-03-08 21	0.08	75.		
D-03-08 22	0.05	70.		
D-03-08 23	0.06	100.		
D-03-08 24	0.07	80.		
D-03-08 25	0.08	100.		
D-03-08 26	0.10	100.	1.09	

LOCATION	SP. YIELD	TRANS.	
D-03-08 27	0.10	100.	Township Average
D-03-08 28	0.10	100.	3.14/30
D-03-08 29	0.12	80.	.11
D-03-08 34	0.14	120.	
D-03-08 35	0.14	100.	
D-03-08 36	0.17	120.	0.77
D-03-09 01	0.10	40.	
D-03-09 02	0.07	70.	
D-03-09 03	0.05	70.	
D-03-09 04	0.04	40.	
D-03-09 05	0.13	90.	
D-03-09 06	0.10	90.	
D-03-09 07	0.13	100.	
D-03-09 08	0.13	100.	
D-03-09 09	0.12	120.	
D-03-09 10	0.10	100.	
D-03-09 11	0.10	100.	
D-03-09 12	0.10	60.	1.17
D-03-09 13	0.10	60.	
D-03-09 14	0.13	100.	
D-03-09 15	0.13	120.	
D-03-09 16	0.14	100.	
D-03-09 17	0.13	120.	
D-03-09 18	0.12	120.	
D-03-09 19	0.06	100.	
D-03-09 20	0.15	180.	
D-03-09 21	0.12	150.	
D-03-09 22	0.12	70.	
D-03-09 23	0.12	50.	
D-03-09 24	0.10	60.	
D-03-09 25	0.10	100.	1.52

TABLE 44 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.
D-03-09 26	0.16	100.
D-03-09 27	0.16	100.
D-03-09 28	0.15	110.
D-03-09 29	0.12	100.
D-03-09 30	0.10	100.
D-03-09 31	0.17	200.
D-03-09 32	0.15	200.
D-03-09 33	0.18	210.
D-03-09 34	0.18	170.
D-03-09 35	0.18	150.
D-03-09 36	0.10	120.
D-03-10 01	0.10	15.
D-03-10 02	0.10	20.
D-03-10 03	0.10	20.
D-03-10 04	0.10	20.
D-03-10 05	0.10	20.
D-03-10 06	0.10	30.
D-03-10 07	0.10	40.
D-03-10 08	0.10	40.
D-03-10 09	0.10	40.
D-03-10 10	0.10	40.
D-03-10 11	0.10	40.
D-03-10 12	0.10	10.
D-03-10 13	0.10	40.
D-03-10 14	0.10	60.
D-03-10 15	0.10	60.
D-03-10 16	0.10	60.
D-03-10 17	0.10	60.
D-03-10 18	0.10	60.
D-03-10 19	0.10	60.
D-03-10 20	0.10	60.

Township Average

4.34/36

.12

1.65

2.0

LOCATION	SP. YIELD	TRANS.
D-03-10 21	0.10	60.
D-03-10 22	0.10	60.
D-03-10 23	0.10	60.
D-03-10 24	0.10	60.
D-03-10 25	0.10	30.
D-03-10 26	0.10	30.
D-03-10 27	0.05	25.
D-03-10 28	0.10	30.
D-03-10 29	0.05	25.
D-03-10 30	0.10	75.
D-03-10 31	0.10	100.
D-03-10 32	0.10	100.
D-03-10 33	0.10	100.
D-03-10 34	0.07	100.
D-03-10 35	0.10	60.
D-03-10 36	0.10	45.
D-04-05 01	0.12	130.
D-04-06 05	0.10	100.
D-04-06 06	0.15	100.
D-04-08 01	0.16	160.
D-04-08 12	0.09	80.
D-04-08 13	0.10	70.
D-04-08 24	0.08	100.
D-04-09 01	0.10	100.
D-04-09 02	0.12	100.
D-04-09 03	0.15	125.
D-04-09 04	0.14	120.
D-04-09 05	0.12	100.
D-04-09 06	0.12	100.
D-04-09 07	0.08	80.
D-04-09 08	0.07	70.

Township Average
3.47/ 36
.10

1.47
.12

Township Average
.13

Township Average
.43/4
.11

.43

0.9

TABLE 14 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.
D-04-09 09	0.12	100.
D-04-09 10	0.12	100.
D-04-09 11	0.12	100.
D-04-09 12	0.10	80.
D-04-09 13	0.08	60.
D-04-09 14	0.08	60.
D-04-09 15	0.08	60.
D-04-09 16	0.08	60.
D-04-09 17	0.08	60.
D-04-09 18	0.07	50.
D-04-09 19	0.08	100.
D-04-09 20	0.08	120.
D-04-09 21	0.08	120.
D-04-09 22	0.08	120.
D-04-09 23	0.08	120.
D-04-09 24	0.08	120.
D-04-10 01	0.08	80.
D-04-10 02	0.08	80.
D-04-10 03	0.08	80.
D-04-10 04	0.08	80.
D-04-10 05	0.08	80.
D-04-10 06	0.08	80.
D-04-10 07	0.05	50.
D-04-10 08	0.05	60.
D-04-10 09	0.08	90.
D-04-10 10	0.08	70.
D-04-10 11	0.08	80.
D-04-10 12	0.07	50.
D-04-10 15	0.08	120.
D-04-10 16	0.08	120.
D-04-10 17	0.08	120.

Township Average

2.31 / 24

.10

1.41

1.13

TABLE A4 CALIBRATED SPECIFIC YIELD AND TRANSMISSIVITY

LOCATION	SP. YIELD	TRANS.		Township Average
D-04-10 18	0.08	60.		1.31/17.
D-04-10 19	0.10	120.	.18	.08

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-01-01 01	910.	910.	893.	17.
A-01-01 02	895.	910.	888.	22.
A-01-01 03	880.	910.	888.	22.
A-01-01 04	875.	880.	888.	-8.
A-01-01 05	877.	875.	884.	-9.
A-01-01 06	880.	880.	877.	3.
A-01-01 07	890.	900.	898.	2.
A-01-01 08	886.	900.	903.	-3.
A-01-01 09	897.	910.	906.	4.
A-01-01 10	918.	920.	905.	15.
A-01-01 11	923.	930.	895.	35.
A-01-01 12	921.	932.	886.	46.
A-01-01 13	935.	937.	922.	15.
A-01-01 14	924.	930.	923.	7.
A-01-01 15	923.	927.	923.	4.
A-01-01 16	925.	930.	920.	10.
A-01-01 17	920.	920.	917.	3.
A-01-01 18	900.	910.	913.	-3.
A-01-01 19	920.	920.	920.	0.
A-01-01 20	925.	920.	925.	-5.
A-01-01 21	927.	915.	926.	-11.
A-01-01 22	927.	918.	932.	-14.
A-01-01 23	930.	932.	933.	-1.
A-01-01 24	937.	935.	935.	0.
A-01-01 25	944.	937.	949.	-12.
A-01-01 26	938.	935.	943.	-8.
A-01-01 27	934.	938.	937.	1.
A-01-01 28	934.	922.	932.	-10.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-01-01 29	928.	920.	931.	-11.
A-01-01 30	925.	923.	926.	-3.
A-01-01 31	928.	923.	935.	-12.
A-01-01 32	923.	927.	937.	-10.
A-01-01 33	935.	930.	937.	-7.
A-01-01 34	938.	933.	941.	-8.
A-01-01 35	944.	936.	943.	-7.
A-01-01 36	951.	938.	947.	-9.
A-01-02 01	978.	970.	967.	3.
A-01-02 02	965.	948.	945.	3.
A-01-02 03	940.	933.	929.	4.
A-01-02 04	937.	930.	913.	17.
A-01-02 05	930.	924.	903.	21.
A-01-02 06	920.	918.	897.	21.
A-01-02 07	930.	933.	891.	42.
A-01-02 08	935.	935.	901.	34.
A-01-02 09	940.	933.	900.	33.
A-01-02 10	955.	938.	914.	24.
A-01-02 11	971.	953.	922.	31.
A-01-02 12	974.	970.	946.	24.
A-01-02 13	975.	975.	939.	36.
A-01-02 14	972.	968.	917.	51.
A-01-02 15	962.	955.	916.	39.
A-01-02 16	954.	950.	915.	35.
A-01-02 17	942.	942.	914.	28.
A-01-02 18	937.	935.	906.	29.
A-01-02 19	944.	936.	938.	-2.
A-01-02 20	947.	945.	945.	0.
A-01-02 21	960.	960.	954.	6.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-01-02 22	965.	960.	957.	3.
A-01-02 23	978.	974.	958.	16.
A-01-02 24	980.	978.	967.	11.
A-01-02 25	1000.	1000.	987.	13.
A-01-02 26	990.	995.	978.	17.
A-01-02 27	978.	973.	973.	0.
A-01-02 28	975.	962.	967.	-5.
A-01-02 29	957.	948.	967.	-19.
A-01-02 30	949.	940.	960.	-20.
A-01-02 31	955.	940.	945.	-5.
A-01-02 32	965.	947.	955.	-8.
A-01-02 33	980.	960.	969.	-9.
A-01-02 34	987.	975.	981.	-6.
A-01-02 35	996.	994.	990.	4.
A-01-02 36	1000.	1003.	1002.	1.
A-01-03 01	1100.	1060.	1052.	8.
A-01-03 02	1080.	1050.	1042.	8.
A-01-03 03	1065.	1035.	1035.	0.
A-01-03 04	1025.	1020.	1022.	-2.
A-01-03 05	1001.	1005.	1008.	-3.
A-01-03 06	985.	985.	991.	-6.
A-01-03 07	976.	980.	981.	-1.
A-01-03 08	1000.	1005.	1005.	0.
A-01-03 09	1020.	1015.	1022.	-7.
A-01-03 10	1034.	1030.	1036.	-6.
A-01-03 11	1052.	1040.	1046.	-6.
A-01-03 12	1070.	1065.	1055.	10.
A-01-03 13	1052.	1055.	1060.	-5.
A-01-03 14	1043.	1040.	1049.	-9.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-01-03 15	1030.	1030.	1037.	-7.
A-01-03 16	1020.	1010.	1023.	-13.
A-01-03 17	1003.	1000.	1004.	-4.
A-01-03 18	985.	980.	975.	5.
A-01-03 19	996.	990.	990.	0.
A-01-03 20	1015.	1000.	1010.	-10.
A-01-03 21	1020.	1015.	1026.	-11.
A-01-03 22	1035.	1034.	1040.	-6.
A-01-03 23	1047.	1050.	1052.	-2.
A-01-03 24	1057.	1056.	1063.	-7.
A-01-03 25	1080.	1065.	1066.	-1.
A-01-03 26	1062.	1054.	1056.	-2.
A-01-03 27	1045.	1050.	1044.	6.
A-01-03 28	1030.	1025.	1030.	-5.
A-01-03 29	1023.	1010.	1015.	-5.
A-01-03 30	1010.	1003.	1000.	3.
A-01-03 31	1022.	1010.	1011.	-1.
A-01-03 32	1027.	1020.	1024.	-4.
A-01-03 33	1038.	1035.	1039.	-4.
A-01-03 34	1055.	1055.	1053.	2.
A-01-03 35	1070.	1058.	1065.	-7.
A-01-03 36	1090.	1060.	1078.	-18.
A-01-04 01	1020.	1000.	989.	11.
A-01-04 02	927.	952.	981.	-29.
A-01-04 11	1075.	1030.	1024.	6.
A-01-04 12	1065.	1060.	1021.	39.
A-01-04 13	1047.	1045.	1036.	9.
A-01-04 14	1050.	1050.	1051.	-1.
A-01-04 15	1060.	1056.	1066.	-10.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-01-04 16	1085.	1080.	1079.	1.
A-01-04 17	1080.	1090.	1081.	9.
A-01-04 18	1056.	1069.	1073.	-4.
A-01-04 19	1073.	1070.	1074.	-4.
A-01-04 20	1080.	1080.	1081.	-1.
A-01-04 21	1080.	1079.	1077.	2.
A-01-04 22	1051.	1050.	1064.	-14.
A-01-04 23	1043.	1043.	1052.	-9.
A-01-04 24	1045.	1045.	1040.	5.
A-01-04 25	1052.	1052.	1041.	11.
A-01-04 26	1054.	1055.	1053.	2.
A-01-04 27	1075.	1053.	1065.	-12.
A-01-04 28	1085.	1080.	1079.	1.
A-01-04 29	1090.	1090.	1086.	4.
A-01-04 30	1092.	1070.	1080.	-10.
A-01-04 31	1100.	1100.	1101.	-1.
A-01-04 32	1125.	1125.	1106.	19.
A-01-04 33	1110.	1100.	1091.	9.
A-01-04 34	1080.	1070.	1073.	-3.
A-01-04 35	1070.	1055.	1055.	0.
A-01-04 36	1064.	1052.	1046.	6.
A-01-05 01	938.	910.	913.	-3.
A-01-05 02	950.	950.	908.	42.
A-01-05 03	965.	965.	938.	27.
A-01-05 04	985.	982.	959.	23.
A-01-05 05	1035.	1000.	976.	24.
A-01-05 06	1065.	1075.	991.	84.
A-01-05 07	1050.	1050.	1014.	36.
A-01-05 08	1035.	1000.	991.	9.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-01-05 09	995.	980.	960.	20.
A-01-05 10	965.	960.	950.	10.
A-01-05 11	945.	957.	937.	20.
A-01-05 12	940.	940.	927.	13.
A-01-05 13	940.	950.	938.	12.
A-01-05 14	940.	960.	942.	18.
A-01-05 15	940.	965.	949.	16.
A-01-05 16	995.	980.	971.	9.
A-01-05 17	1018.	1000.	999.	1.
A-01-05 18	1035.	1025.	1020.	5.
A-01-05 19	1038.	1025.	1022.	3.
A-01-05 20	1022.	1000.	1003.	-3.
A-01-05 21	1003.	980.	975.	5.
A-01-05 22	965.	965.	949.	16.
A-01-05 23	958.	970.	951.	19.
A-01-05 24	958.	970.	950.	20.
A-01-05 25	970.	970.	970.	0.
A-01-05 26	964.	968.	963.	5.
A-01-05 27	967.	965.	961.	4.
A-01-05 28	1003.	980.	985.	-5.
A-01-05 29	1042.	1000.	1007.	-7.
A-01-05 30	1051.	1040.	1018.	22.
A-01-05 31	1053.	1040.	1035.	5.
A-01-05 32	1025.	1000.	1014.	-14.
A-01-05 33	995.	980.	991.	-11.
A-01-05 34	970.	970.	974.	-4.
A-01-05 35	975.	976.	983.	-7.
A-01-05 36	1000.	996.	986.	10.
A-01-06 01	910.	913.	901.	12.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-01-06 02	900.	880.	879.	1.
A-01-06 03	890.	860.	860.	0.
A-01-06 04	895.	864.	845.	19.
A-01-06 05	922.	875.	887.	-12.
A-01-06 06	930.	885.	906.	-21.
A-01-06 07	930.	920.	908.	12.
A-01-06 08	914.	910.	900.	10.
A-01-06 09	898.	895.	872.	23.
A-01-06 10	885.	860.	861.	-1.
A-01-06 11	882.	858.	878.	-20.
A-01-06 12	895.	880.	901.	-21.
A-01-06 13	880.	857.	908.	-51.
A-01-06 14	883.	860.	884.	-24.
A-01-06 15	890.	890.	863.	27.
A-01-06 16	910.	910.	885.	25.
A-01-06 17	928.	920.	919.	1.
A-01-06 18	941.	940.	934.	6.
A-01-06 19	960.	960.	954.	6.
A-01-06 20	935.	935.	941.	-6.
A-01-06 21	920.	920.	915.	5.
A-01-06 22	890.	890.	874.	16.
A-01-06 23	880.	880.	893.	-13.
A-01-06 24	883.	870.	911.	-41.
A-01-06 25	884.	868.	907.	-39.
A-01-06 26	878.	868.	895.	-27.
A-01-06 27	900.	890.	912.	-22.
A-01-06 28	925.	920.	936.	-16.
A-01-06 29	945.	940.	954.	-14.
A-01-06 30	980.	980.	968.	12.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-01-06 31	1000.	990.	980.	10.
A-01-06 32	960.	950.	957.	-7.
A-01-06 33	928.	928.	953.	-25.
A-01-06 34	910.	900.	931.	-31.
A-01-06 35	883.	870.	893.	-23.
A-01-06 36	884.	861.	901.	-40.
A-01-07 05	960.	940.	928.	12.
A-01-07 06	925.	924.	916.	8.
A-01-07 07	917.	910.	921.	-11.
A-01-07 08	970.	940.	937.	3.
A-01-07 13	1160.	1075.	1121.	-46.
A-01-07 14	1135.	1035.	1095.	-60.
A-01-07 15	1103.	1000.	1056.	-56.
A-01-07 16	1048.	965.	1003.	-38.
A-01-07 17	970.	940.	956.	-16.
A-01-07 18	900.	900.	930.	-30.
A-01-07 19	885.	900.	935.	-35.
A-01-07 20	950.	935.	965.	-30.
A-01-07 21	1050.	975.	1006.	-31.
A-01-07 22	1110.	1025.	1051.	-26.
A-01-07 23	1140.	1060.	1087.	-27.
A-01-07 24	1150.	1100.	1118.	-18.
A-01-07 25	1165.	1110.	1112.	-2.
A-01-07 26	1140.	1090.	1077.	13.
A-01-07 27	1115.	1050.	1046.	4.
A-01-07 28	1060.	990.	1013.	-23.
A-01-07 29	990.	940.	972.	-32.
A-01-07 30	890.	870.	937.	-67.
A-01-07 31	935.	880.	939.	-59.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-01-07 32	1025.	950.	974.	-24.
A-01-07 33	1075.	1000.	1007.	-7.
A-01-07 34	1120.	1060.	1042.	18.
A-01-07 35	1148.	1100.	1077.	23.
A-01-07 36	1173.	1120.	1112.	8.
A-01-08 16	1220.	1150.	1186.	-36.
A-01-08 17	1197.	1130.	1172.	-42.
A-01-08 18	1180.	1110.	1148.	-38.
A-01-08 19	1180.	1120.	1146.	-26.
A-01-08 20	1205.	1138.	1170.	-32.
A-01-08 21	1222.	1160.	1189.	-29.
A-01-08 22	1235.	1190.	1204.	-14.
A-01-08 23	1255.	1210.	1222.	-12.
A-01-08 26	1260.	1225.	1214.	11.
A-01-08 27	1245.	1200.	1200.	0.
A-01-08 28	1227.	1170.	1186.	-16.
A-01-08 29	1208.	1145.	1165.	-20.
A-01-08 30	1190.	1140.	1140.	0.
A-01-08 31	1195.	1140.	1141.	-1.
A-01-08 32	1215.	1160.	1166.	-6.
A-01-08 33	1235.	1180.	1186.	-6.
A-01-08 34	1250.	1210.	1201.	9.
A-01-08 35	1270.	1230.	1211.	19.
A-02-01 01	922.	920.	919.	1.
A-02-01 02	925.	917.	912.	5.
A-02-01 03	930.	918.	908.	10.
A-02-01 04	920.	902.	881.	21.
A-02-01 05	880.	870.	852.	18.
A-02-01 06	860.	825.	814.	11.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-02-01 07	852.	830.	807.	23.
A-02-01 08	870.	865.	845.	20.
A-02-01 09	893.	885.	876.	9.
A-02-01 10	910.	902.	900.	2.
A-02-01 11	920.	908.	908.	0.
A-02-01 12	918.	910.	917.	-7.
A-02-01 13	895.	900.	899.	1.
A-02-01 14	890.	890.	885.	5.
A-02-01 15	888.	888.	887.	1.
A-02-01 16	875.	870.	877.	-7.
A-02-01 17	862.	853.	843.	10.
A-02-01 18	847.	835.	823.	12.
A-02-01 19	845.	825.	833.	-8.
A-02-01 20	852.	840.	832.	8.
A-02-01 21	870.	850.	866.	-16.
A-02-01 22	874.	872.	885.	-13.
A-02-01 23	873.	870.	883.	-13.
A-02-01 24	870.	885.	889.	-4.
A-02-01 25	874.	875.	883.	-8.
A-02-01 26	874.	870.	882.	-12.
A-02-01 27	875.	870.	883.	-13.
A-02-01 28	866.	850.	871.	-21.
A-02-01 29	855.	847.	843.	4.
A-02-01 30	865.	845.	831.	14.
A-02-01 31	870.	860.	857.	3.
A-02-01 32	868.	865.	867.	-2.
A-02-01 33	871.	875.	871.	4.
A-02-01 34	873.	890.	878.	12.
A-02-01 35	877.	886.	883.	3.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-02-01 36	885.	890.	885.	5.
A-02-02 01	983.	961.	963.	-2.
A-02-02 02	975.	950.	949.	1.
A-02-02 03	965.	940.	937.	3.
A-02-02 04	955.	925.	923.	2.
A-02-02 05	935.	927.	920.	7.
A-02-02 06	930.	920.	917.	3.
A-02-02 07	927.	920.	915.	5.
A-02-02 08	935.	925.	916.	9.
A-02-02 09	955.	928.	919.	9.
A-02-02 10	965.	950.	940.	10.
A-02-02 11	975.	960.	957.	3.
A-02-02 12	993.	975.	977.	-2.
A-02-02 13	1020.	980.	983.	-3.
A-02-02 14	970.	962.	953.	9.
A-02-02 15	952.	950.	937.	13.
A-02-02 16	940.	935.	920.	15.
A-02-02 17	925.	915.	904.	11.
A-02-02 18	905.	908.	904.	4.
A-02-02 19	875.	890.	894.	-4.
A-02-02 20	900.	898.	899.	-1.
A-02-02 21	915.	915.	918.	-3.
A-02-02 22	935.	935.	934.	1.
A-02-02 23	960.	955.	955.	0.
A-02-02 24	1000.	980.	981.	-1.
A-02-02 25	987.	975.	976.	-1.
A-02-02 26	945.	945.	944.	1.
A-02-02 27	912.	921.	920.	1.
A-02-02 28	890.	902.	911.	-9.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-02-02 29	876.	880.	884.	-4.
A-02-02 30	874.	875.	885.	-10.
A-02-02 31	890.	897.	888.	9.
A-02-02 32	897.	901.	893.	8.
A-02-02 33	910.	910.	914.	-4.
A-02-02 34	940.	930.	929.	1.
A-02-02 35	950.	945.	950.	-5.
A-02-02 36	970.	970.	977.	-7.
A-02-03 04	999.	995.	1023.	-28.
A-02-03 05	997.	989.	1001.	-12.
A-02-03 06	992.	976.	985.	-9.
A-02-03 07	1038.	990.	987.	3.
A-02-03 08	1018.	1005.	997.	8.
A-02-03 09	1025.	1015.	1018.	-3.
A-02-03 10	1050.	1020.	1046.	-26.
A-02-03 13	1145.	1100.	1083.	17.
A-02-03 14	1095.	1040.	1068.	-28.
A-02-03 15	1070.	1040.	1052.	-12.
A-02-03 16	1045.	1030.	1027.	3.
A-02-03 17	1033.	1016.	1005.	11.
A-02-03 18	1040.	1000.	995.	5.
A-02-03 19	1030.	1005.	994.	11.
A-02-03 20	1035.	1024.	1007.	17.
A-02-03 21	1075.	1038.	1027.	11.
A-02-03 22	1075.	1048.	1045.	3.
A-02-03 23	1100.	1060.	1060.	0.
A-02-03 24	1160.	1095.	1066.	29.
A-02-03 25	1155.	1065.	1037.	28.
A-02-03 26	1122.	1055.	1050.	5.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-02-03 27	1080.	1044.	1040.	4.
A-02-03 28	1060.	1035.	1028.	7.
A-02-03 29	1030.	1020.	1013.	7.
A-02-03 30	1015.	995.	998.	-3.
A-02-03 31	995.	990.	994.	-4.
A-02-03 32	1015.	1010.	1010.	0.
A-02-03 33	1045.	1030.	1025.	5.
A-02-03 34	1075.	1040.	1036.	4.
A-02-03 35	1112.	1055.	1043.	12.
A-02-03 36	1140.	1065.	1043.	22.
A-02-04 01	1065.	937.	937.	0.
A-02-04 02	1055.	910.	930.	-20.
A-02-04 03	1060.	925.	934.	-9.
A-02-04 10	950.	912.	929.	-17.
A-02-04 11	925.	893.	920.	-27.
A-02-04 12	1050.	925.	924.	1.
A-02-04 13	950.	925.	925.	0.
A-02-04 14	902.	895.	914.	-19.
A-02-04 15	910.	910.	912.	-2.
A-02-04 19	1175.	1100.	1085.	15.
A-02-04 22	870.	920.	893.	27.
A-02-04 23	870.	915.	905.	10.
A-02-04 24	905.	930.	910.	20.
A-02-04 25	1010.	925.	871.	54.
A-02-04 26	880.	925.	918.	7.
A-02-04 27	865.	930.	940.	-10.
A-02-04 30	1155.	1075.	1081.	-6.
A-02-04 31	1135.	1075.	1113.	-38.
A-02-04 34	900.	935.	964.	-29.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-02-04 35	895.	930.	938.	-8.
A-02-04 36	965.	950.	941.	9.
A-02-05 01	1023.	980.	1011.	-31.
A-02-05 02	1024.	985.	1007.	-22.
A-02-05 03	1029.	1000.	1006.	-6.
A-02-05 04	1032.	1010.	1003.	7.
A-02-05 05	1038.	1005.	1003.	2.
A-02-05 06	1055.	975.	975.	0.
A-02-05 07	1048.	975.	976.	-1.
A-02-05 08	1029.	1000.	991.	9.
A-02-05 09	1012.	1000.	974.	26.
A-02-05 10	1000.	985.	970.	15.
A-02-05 11	987.	970.	968.	2.
A-02-05 12	995.	975.	986.	-11.
A-02-05 13	975.	960.	978.	-18.
A-02-05 14	980.	968.	967.	1.
A-02-05 15	990.	980.	968.	12.
A-02-05 16	1005.	1000.	964.	36.
A-02-05 17	1035.	1000.	978.	22.
A-02-05 18	1030.	955.	962.	-7.
A-02-05 19	1020.	940.	941.	-1.
A-02-05 20	1028.	985.	969.	16.
A-02-05 21	1000.	990.	974.	16.
A-02-05 22	990.	980.	977.	3.
A-02-05 23	970.	962.	965.	-3.
A-02-05 24	965.	945.	975.	-30.
A-02-05 25	955.	930.	954.	-24.
A-02-05 26	967.	950.	959.	-9.
A-02-05 27	975.	972.	970.	2.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-02-05 28	987.	983.	972.	11.
A-02-05 29	998.	982.	962.	20.
A-02-05 30	1000.	950.	928.	22.
A-02-05 31	985.	980.	960.	20.
A-02-05 32	980.	985.	969.	16.
A-02-05 33	980.	980.	966.	14.
A-02-05 34	975.	965.	953.	12.
A-02-05 35	955.	950.	934.	16.
A-02-05 36	945.	925.	926.	-1.
A-02-06 15	947.	940.	960.	-20.
A-02-06 16	950.	942.	962.	-20.
A-02-06 17	965.	945.	967.	-22.
A-02-06 18	970.	955.	973.	-18.
A-02-06 19	960.	930.	965.	-35.
A-02-06 20	948.	928.	955.	-27.
A-02-06 21	945.	925.	944.	-19.
A-02-06 22	940.	922.	946.	-24.
A-02-06 27	930.	920.	899.	21.
A-02-06 28	938.	915.	887.	28.
A-02-06 29	942.	923.	920.	3.
A-02-06 30	945.	925.	938.	-13.
A-02-06 31	935.	915.	914.	1.
A-02-06 32	920.	910.	882.	28.
A-02-06 33	907.	895.	797.	98.
A-02-06 34	905.	895.	857.	38.
A-02-06 35	915.	900.	872.	28.
A-03-01 01	866.	845.	842.	3.
A-03-01 02	850.	836.	831.	5.
A-03-01 03	842.	839.	820.	19.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-03-01 04	847.	839.	822.	17.
A-03-01 05	860.	838.	823.	15.
A-03-01 06	860.	837.	816.	21.
A-03-01 07	850.	850.	809.	41.
A-03-01 08	865.	858.	827.	31.
A-03-01 09	865.	860.	835.	25.
A-03-01 10	865.	865.	854.	11.
A-03-01 11	871.	855.	868.	-13.
A-03-01 12	883.	856.	873.	-17.
A-03-01 13	923.	900.	890.	10.
A-03-01 14	902.	900.	887.	13.
A-03-01 15	875.	886.	873.	13.
A-03-01 16	870.	865.	848.	17.
A-03-01 17	860.	842.	829.	13.
A-03-01 18	855.	818.	810.	8.
A-03-01 19	855.	815.	812.	3.
A-03-01 20	860.	850.	839.	11.
A-03-01 21	870.	900.	873.	27.
A-03-01 22	885.	905.	898.	7.
A-03-01 23	903.	905.	905.	0.
A-03-01 24	910.	905.	901.	4.
A-03-01 25	930.	920.	913.	7.
A-03-01 26	930.	910.	901.	9.
A-03-01 27	920.	910.	903.	7.
A-03-01 28	910.	908.	883.	25.
A-03-01 29	900.	875.	849.	26.
A-03-01 30	855.	820.	817.	3.
A-03-01 31	855.	825.	813.	12.
A-03-01 32	910.	880.	852.	28.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-03-01 33	925.	910.	886.	24.
A-03-01 34	925.	920.	908.	12.
A-03-01 35	935.	925.	904.	21.
A-03-01 36	935.	925.	912.	13.
A-03-02 01	885.	871.	869.	2.
A-03-02 02	870.	856.	858.	-2.
A-03-02 03	858.	847.	840.	7.
A-03-02 04	864.	850.	831.	19.
A-03-02 05	869.	856.	840.	16.
A-03-02 06	876.	862.	844.	18.
A-03-02 07	889.	870.	873.	-3.
A-03-02 08	895.	888.	859.	29.
A-03-02 09	900.	890.	843.	47.
A-03-02 10	894.	899.	838.	61.
A-03-02 11	904.	903.	848.	55.
A-03-02 12	916.	904.	880.	24.
A-03-02 13	940.	915.	898.	17.
A-03-02 14	930.	908.	879.	29.
A-03-02 15	932.	905.	871.	34.
A-03-02 16	911.	905.	879.	26.
A-03-02 17	915.	902.	886.	16.
A-03-02 18	920.	900.	898.	2.
A-03-02 19	915.	910.	910.	0.
A-03-02 20	920.	912.	925.	-13.
A-03-02 21	925.	912.	925.	-13.
A-03-02 22	929.	915.	911.	4.
A-03-02 23	953.	925.	899.	26.
A-03-02 24	957.	930.	897.	33.
A-03-02 25	945.	940.	955.	-15.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-03-02 26	941.	930.	898.	32.
A-03-02 27	938.	920.	929.	-9.
A-03-02 28	933.	915.	940.	-25.
A-03-02 29	939.	920.	919.	1.
A-03-02 30	944.	920.	907.	13.
A-03-02 31	940.	925.	914.	11.
A-03-02 32	945.	930.	921.	9.
A-03-02 33	950.	918.	930.	-12.
A-03-02 34	956.	929.	934.	-5.
A-03-02 35	960.	940.	937.	3.
A-03-02 36	970.	950.	963.	-13.
A-03-03 01	1203.	1203.	1190.	13.
A-03-03 02	1208.	1208.	1199.	9.
A-03-03 05	885.	880.	879.	1.
A-03-03 06	895.	875.	877.	-2.
A-03-03 11	1205.	1205.	1195.	10.
A-03-03 12	1200.	1200.	1179.	21.
A-03-03 13	1200.	1200.	1137.	63.
A-03-03 14	1205.	1205.	1183.	22.
A-03-03 23	1205.	1205.	1183.	22.
A-03-03 24	1200.	1200.	1154.	46.
A-03-03 31	975.	958.	981.	-23.
A-03-03 32	983.	966.	988.	-22.
A-03-04 01	1206.	1206.	1202.	4.
A-03-04 02	1205.	1205.	1199.	6.
A-03-04 03	1204.	1204.	1198.	6.
A-03-04 04	1203.	1203.	1192.	11.
A-03-04 05	1200.	1200.	1178.	22.
A-03-04 06	1200.	1200.	1172.	28.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-03-04 07	1175.	1175.	1164.	11.
A-03-04 08	1150.	1150.	1150.	0.
A-03-04 09	1175.	1175.	1150.	25.
A-03-04 10	1200.	1200.	1173.	27.
A-03-04 11	1203.	1203.	1175.	28.
A-03-04 12	1202.	1202.	1185.	17.
A-03-04 13	1150.	1155.	1143.	12.
A-03-04 14	1160.	1160.	1139.	21.
A-03-04 15	1125.	1125.	1118.	7.
A-03-04 16	1100.	1100.	1087.	13.
A-03-04 17	1030.	1030.	1091.	-61.
A-03-04 18	1100.	1100.	1121.	-21.
A-03-04 19	1100.	1100.	1101.	-1.
A-03-04 20	1050.	1050.	1056.	-6.
A-03-04 21	1025.	1025.	1017.	8.
A-03-04 22	1050.	1050.	1053.	-3.
A-03-04 23	1100.	1100.	1039.	61.
A-03-04 24	1100.	1100.	1078.	22.
A-03-04 25	1075.	1000.	1032.	-32.
A-03-04 26	1075.	980.	1010.	-30.
A-03-04 27	1080.	975.	998.	-23.
A-03-04 28	1060.	1000.	1038.	-38.
A-03-04 29	1050.	1050.	1051.	-1.
A-03-04 34	1065.	945.	939.	6.
A-03-04 35	1050.	948.	944.	4.
A-03-04 36	1025.	965.	956.	9.
A-03-05 04	1208.	1208.	1204.	4.
A-03-05 05	1208.	1208.	1204.	4.
A-03-05 06	1208.	1208.	1204.	4.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-03-05 07	1200.	1200.	1179.	21.
A-03-05 08	1203.	1203.	1181.	22.
A-03-05 09	1205.	1205.	1188.	17.
A-03-05 16	1175.	1175.	1124.	51.
A-03-05 17	1150.	1150.	1117.	33.
A-03-05 18	1125.	1125.	1125.	0.
A-03-05 19	1080.	1080.	1086.	-6.
A-03-05 20	1100.	1100.	1076.	24.
A-03-05 21	1100.	1100.	1071.	29.
A-03-05 22	1100.	1100.	1064.	36.
A-03-05 23	1100.	1100.	1063.	37.
A-03-05 24	1100.	1100.	1076.	24.
A-03-05 25	1080.	1050.	1053.	-3.
A-03-05 26	1065.	1050.	1052.	-2.
A-03-05 27	1070.	1040.	1054.	-14.
A-03-05 28	1070.	1050.	1059.	-9.
A-03-05 29	1070.	1050.	1061.	-11.
A-03-05 30	1075.	1000.	1054.	-54.
A-03-05 31	1060.	985.	998.	-13.
A-03-05 32	1060.	1020.	1032.	-12.
A-03-05 33	1045.	1030.	1038.	-8.
A-03-05 34	1046.	1025.	1040.	-15.
A-03-05 35	1025.	1025.	1040.	-15.
A-03-05 36	1050.	1022.	1038.	-16.
A-04-01 05	970.	940.	965.	-25.
A-04-01 06	980.	945.	974. 1003	-29.
A-04-01 07	970.	925.	949.	-24.
A-04-01 08	955.	915.	944.	-29.
A-04-01 13	871.	795.	796.	-1.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-04-01 14	850.	792.	798.	-6.
A-04-01 15	845.	798.	804.	-6.
A-04-01 16	875.	840.	839.	1.
A-04-01 17	920.	890.	890.	0.
A-04-01 18	950.	910.	890.	20.
A-04-01 19	900.	860.	866.	-6.
A-04-01 20	887.	850.	845.	5.
A-04-01 21	862.	825.	808.	17.
A-04-01 22	830.	800.	793.	7.
A-04-01 23	835.	794.	784.	10.
A-04-01 24	850.	796.	781.	17.
A-04-01 25	842.	817.	801.	16.
A-04-01 26	820.	795.	801.	-6.
A-04-01 27	812.	800.	802.	-2.
A-04-01 28	850.	815.	809.	6.
A-04-01 29	874.	840.	823.	17.
A-04-01 30	880.	845.	843.	2.
A-04-01 31	870.	845.	825.	20.
A-04-01 32	866.	845.	819.	26.
A-04-01 33	830.	830.	813.	17.
A-04-01 34	825.	823.	807.	16.
A-04-01 35	825.	816.	807.	9.
A-04-01 36	850.	834.	825.	9.
A-04-02 23	890.	875.	866.	9.
A-04-02 24	873.	865.	867.	-2.
A-04-02 25	856.	840.	867.	-27.
A-04-02 26	877.	864.	866.	-2.
A-04-02 29	885.	855.	837.	18.
A-04-02 30	875.	850.	775.	75.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-04-02 31	870.	852.	834.	18.
A-04-02 32	879.	854.	838.	16.
A-04-02 33	890.	875.	840.	35.
A-04-02 34	850.	840.	852.	-12.
A-04-02 35	840.	830.	862.	-32.
A-04-02 36	867.	835.	866.	-31.
A-04-03 01	1240.	1240.	1236.	4.
A-04-03 02	1240.	1240.	1236.	4.
A-04-03 11	1235.	1235.	1233.	2.
A-04-03 12	1235.	1235.	1231.	4.
A-04-03 13	1225.	1225.	1225.	0.
A-04-03 14	1230.	1230.	1227.	3.
A-04-03 19	868.	865.	868.	-3.
A-04-03 20	868.	870.	870.	0.
A-04-03 23	1220.	1220.	1220.	0.
A-04-03 24	1220.	1220.	1218.	2.
A-04-03 25	1210.	1210.	1208.	2.
A-04-03 26	1215.	1215.	1212.	3.
A-04-03 29	872.	860.	871.	-11.
A-04-03 30	863.	855.	869.	-14.
A-04-03 31	880.	845.	873.	-28.
A-04-03 32	880.	846.	875.	-27.
A-04-03 35	1210.	1210.	1203.	7.
A-04-03 36	1205.	1205.	1194.	11.
A-04-04 01	1240.	1240.	1238.	2.
A-04-04 02	1240.	1240.	1239.	1.
A-04-04 03	1235.	1235.	1240.	-5.
A-04-04 04	1235.	1235.	1240.	-5.
A-04-04 05	1235.	1235.	1237.	-2.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-04-04 05	1235.	1235.	1236.	-1.
A-04-04 07	1230.	1230.	1230.	0.
A-04-04 08	1230.	1230.	1231.	-1.
A-04-04 09	1230.	1230.	1235.	-5.
A-04-04 10	1230.	1230.	1235.	-5.
A-04-04 11	1235.	1235.	1234.	1.
A-04-04 12	1235.	1235.	1234.	1.
A-04-04 13	1230.	1230.	1228.	2.
A-04-04 14	1230.	1230.	1228.	2.
A-04-04 15	1225.	1225.	1227.	-2.
A-04-04 16	1225.	1225.	1226.	-1.
A-04-04 17	1225.	1225.	1223.	2.
A-04-04 18	1225.	1225.	1224.	1.
A-04-04 19	1215.	1215.	1216.	-1.
A-04-04 20	1215.	1215.	1215.	0.
A-04-04 21	1220.	1220.	1217.	3.
A-04-04 22	1220.	1220.	1220.	0.
A-04-04 23	1225.	1225.	1223.	2.
A-04-04 24	1225.	1225.	1224.	1.
A-04-04 25	1220.	1220.	1219.	1.
A-04-04 26	1220.	1220.	1216.	4.
A-04-04 27	1215.	1215.	1212.	3.
A-04-04 28	1210.	1210.	1209.	1.
A-04-04 29	1210.	1210.	1207.	3.
A-04-04 30	1210.	1210.	1205.	5.
A-04-04 31	1205.	1205.	1192.	13.
A-04-04 32	1205.	1205.	1199.	6.
A-04-04 33	1207.	1207.	1202.	5.
A-04-04 34	1207.	1207.	1204.	3.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
A-04-04 35	1210.	1210.	1208.	2.
A-04-04 36	1210.	1210.	1211.	-1.
A-04-05 06	1240.	1240.	1238.	2.
A-04-05 07	1235.	1235.	1234.	1.
A-04-05 18	1230.	1230.	1229.	1.
A-04-05 19	1225.	1225.	1225.	0.
A-04-05 30	1220.	1220.	1219.	1.
A-04-05 31	1210.	1210.	1213.	-3.
A-04-05 32	1215.	1215.	1212.	3.
B-01-01 01	879.	875.	870.	5.
B-01-01 02	873.	871.	863.	8.
B-01-01 03	875.	870.	853.	17.
B-01-01 04	875.	877.	842.	35.
B-01-01 05	878.	850.	820.	30.
B-01-01 06	844.	840.	803.	37.
B-01-01 07	845.	830.	808.	22.
B-01-01 08	875.	870.	833.	37.
B-01-01 09	885.	885.	864.	21.
B-01-01 10	885.	890.	872.	18.
B-01-01 11	890.	892.	881.	11.
B-01-01 12	892.	893.	887.	6.
B-01-01 13	890.	900.	903.	-3.
B-01-01 14	887.	892.	894.	-2.
B-01-01 15	880.	887.	884.	3.
B-01-01 16	880.	885.	869.	16.
B-01-01 17	880.	875.	844.	31.
B-01-01 18	865.	865.	824.	41.
B-01-01 19	865.	862.	838.	24.
B-01-01 20	875.	870.	851.	19.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
B-01-01 21	890.	885.	868.	17.
B-01-01 22	905.	890.	887.	3.
B-01-01 23	910.	900.	900.	0.
B-01-01 24	905.	910.	910.	0.
B-01-01 25	920.	916.	918.	-2.
B-01-01 26	915.	908.	908.	0.
B-01-01 27	905.	900.	892.	8.
B-01-01 28	890.	888.	868.	20.
B-01-01 29	875.	875.	848.	27.
B-01-01 30	865.	865.	837.	28.
B-01-01 31	868.	860.	844.	16.
B-01-01 32	878.	875.	859.	16.
B-01-01 33	885.	885.	883.	2.
B-01-01 34	897.	903.	905.	-2.
B-01-01 35	920.	910.	921.	-11.
B-01-01 36	924.	918.	925.	-7.
B-01-02 01	800.	800.	783.	17.
B-01-02 02	795.	795.	761.	34.
B-01-02 03	790.	790.	766.	24.
B-01-02 04	790.	775.	772.	3.
B-01-02 05	800.	780.	771.	9.
B-01-02 06	815.	800.	805.	-5.
B-01-02 07	835.	800.	805.	-5.
B-01-02 08	805.	790.	762.	28.
B-01-02 09	803.	800.	772.	28.
B-01-02 10	815.	820.	788.	32.
B-01-02 11	835.	835.	791.	44.
B-01-02 12	845.	845.	813.	32.
B-01-02 13	855.	855.	822.	33.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
B-01-02 14	840.	850.	808.	42.
B-01-02 15	845.	825.	809.	16.
B-01-02 16	840.	800.	808.	-8.
B-01-02 17	830.	805.	806.	-1.
B-01-02 18	835.	833.	816.	17.
B-01-02 19	833.	840.	821.	19.
B-01-02 20	838.	845.	819.	26.
B-01-02 21	840.	845.	815.	30.
B-01-02 22	848.	845.	818.	27.
B-01-02 23	855.	850.	822.	28.
B-01-02 24	857.	855.	834.	21.
B-01-02 25	843.	845.	828.	17.
B-01-02 26	845.	840.	822.	18.
B-01-02 27	845.	847.	820.	27.
B-01-02 28	842.	851.	824.	27.
B-01-02 29	842.	845.	825.	20.
B-01-02 30	840.	845.	825.	20.
B-01-02 31	845.	845.	830.	15.
B-01-02 32	840.	845.	831.	14.
B-01-02 33	835.	852.	830.	22.
B-01-02 34	835.	849.	823.	21.
B-01-02 35	850.	855.	829.	26.
B-01-02 36	855.	856.	835.	21.
B-01-03 01	825.	810.	825.	-15.
B-01-03 02	845.	820.	833.	-13.
B-01-03 09	860.	855.	845.	10.
B-01-03 10	860.	855.	840.	15.
B-01-03 11	845.	845.	834.	11.
B-01-03 12	835.	825.	826.	-1.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
B-01-03 13	835.	835.	831.	4.
B-01-03 14	854.	850.	835.	15.
B-01-03 15	855.	855.	839.	16.
B-01-03 16	850.	843.	844.	-1.
B-01-03 17	850.	850.	851.	-1.
B-01-03 20	850.	845.	851.	-6.
B-01-03 21	840.	845.	845.	0.
B-01-03 22	848.	845.	838.	7.
B-01-03 23	840.	845.	831.	14.
B-01-03 24	833.	830.	827.	3.
B-01-03 25	846.	845.	828.	17.
B-01-03 26	845.	845.	833.	12.
B-01-03 27	842.	847.	835.	12.
B-01-03 28	845.	845.	840.	5.
B-01-03 29	835.	838.	845.	-7.
B-01-03 32	830.	835.	843.	-8.
B-01-03 33	835.	845.	840.	5.
B-01-03 34	841.	844.	832.	12.
B-01-03 35	845.	845.	831.	14.
B-01-03 36	845.	845.	828.	17.
B-02-01 01	835.	776.	786.	-10.
B-02-01 02	805.	732.	765.	-33.
B-02-01 03	820.	745.	747.	-2.
B-02-01 04	760.	750.	734.	16.
B-02-01 05	747.	725.	714.	11.
B-02-01 06	725.	718.	688.	30.
B-02-01 07	725.	710.	679.	31.
B-02-01 08	755.	745.	706.	39.
B-02-01 09	760.	740.	728.	12.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
B-02-01 10	820.	700.	742.	-42.
B-02-01 11	810.	700.	754.	-54.
B-02-01 12	808.	790.	767.	23.
B-02-01 13	810.	800.	764.	36.
B-02-01 14	773.	700.	726.	-26.
B-02-01 15	815.	685.	731.	-46.
B-02-01 16	760.	685.	721.	-36.
B-02-01 17	730.	685.	695.	-10.
B-02-01 18	730.	710.	668.	42.
B-02-01 19	700.	662.	639.	23.
B-02-01 20	750.	640.	690.	-50.
B-02-01 21	800.	665.	736.	-71.
B-02-01 22	840.	695.	725.	-30.
B-02-01 23	845.	730.	677.	53.
B-02-01 24	825.	815.	753.	62.
B-02-01 25	842.	825.	811.	14.
B-02-01 26	837.	780.	694.	86.
B-02-01 27	855.	750.	684.	66.
B-02-01 28	855.	830.	784.	46.
B-02-01 29	800.	715.	737.	-22.
B-02-01 30	753.	680.	700.	-20.
B-02-01 31	815.	775.	757.	18.
B-02-01 32	848.	810.	780.	30.
B-02-01 33	864.	858.	804.	54.
B-02-01 34	860.	855.	821.	34.
B-02-01 35	855.	855.	837.	18.
B-02-01 36	867.	860.	839.	21.
B-02-02 01	720.	677.	682.	-5.
B-02-02 02	715.	700.	706.	-6.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
B-02-02 03	750.	730.	726.	4.
B-02-02 04	780.	750.	753.	-3.
B-02-02 09	750.	730.	739.	-9.
B-02-02 10	725.	710.	709.	1.
B-02-02 11	680.	680.	687.	-7.
B-02-02 12	690.	685.	674.	11.
B-02-02 13	680.	680.	665.	15.
B-02-02 14	680.	685.	677.	8.
B-02-02 15	700.	711.	705.	6.
B-02-02 16	730.	725.	732.	-7.
B-02-02 20	760.	735.	743.	-8.
B-02-02 21	722.	725.	728.	-3.
B-02-02 22	706.	700.	706.	-6.
B-02-02 23	690.	684.	677.	7.
B-02-02 24	670.	643.	641.	2.
B-02-02 25	682.	670.	658.	12.
B-02-02 26	700.	700.	696.	4.
B-02-02 27	730.	730.	709.	21.
B-02-02 28	723.	724.	730.	-6.
B-02-02 29	750.	745.	742.	3.
B-02-02 32	775.	750.	761.	-11.
B-02-02 33	743.	765.	756.	9.
B-02-02 34	755.	752.	741.	11.
B-02-02 35	765.	760.	734.	26.
B-02-02 36	775.	750.	717.	33.
B-03-01 01	833.	843.	809.	34.
B-03-01 02	830.	840.	800.	40.
B-03-01 03	820.	812.	789.	23.
B-03-01 04	810.	790.	783.	7.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
B-03-01 05	810.	780.	778.	2.
B-03-01 06	810.	789.	772.	17.
B-03-01 07	790.	775.	755.	20.
B-03-01 08	785.	760.	759.	1.
B-03-01 09	790.	775.	764.	11.
B-03-01 10	790.	790.	771.	19.
B-03-01 11	835.	825.	784.	41.
B-03-01 12	845.	845.	797.	48.
B-03-01 13	842.	813.	794.	19.
B-03-01 14	825.	800.	773.	27.
B-03-01 15	790.	775.	758.	17.
B-03-01 16	775.	740.	750.	-10.
B-03-01 17	762.	735.	743.	-8.
B-03-01 18	770.	730.	738.	-8.
B-03-01 19	752.	720.	725.	-5.
B-03-01 20	755.	725.	731.	-6.
B-03-01 21	755.	735.	738.	-3.
B-03-01 22	750.	740.	749.	-9.
B-03-01 23	748.	765.	763.	2.
B-03-01 24	800.	800.	786.	14.
B-03-01 25	810.	775.	784.	-9.
B-03-01 26	750.	735.	756.	-21.
B-03-01 27	748.	740.	739.	1.
B-03-01 28	760.	720.	733.	-13.
B-03-01 29	749.	720.	723.	-3.
B-03-01 30	745.	705.	719.	-14.
B-03-01 31	739.	715.	712.	3.
B-03-01 32	740.	735.	720.	15.
B-03-01 33	775.	740.	737.	3.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
B-03-01 34	775.	750.	749.	1.
B-03-01 35	775.	775.	764.	11.
B-03-01 36	815.	780.	786.	-6.
B-03-02 01	815.	805.	779.	26.
B-03-02 02	835.	830.	807.	23.
B-03-02 03	860.	855.	820.	35.
B-03-02 04	915.	915.	878.	37.
B-03-02 09	900.	900.	841.	59.
B-03-02 10	830.	825.	778.	47.
B-03-02 11	810.	800.	778.	22.
B-03-02 12	788.	780.	757.	23.
B-03-02 13	765.	720.	739.	-19.
B-03-02 14	765.	740.	754.	-14.
B-03-02 15	850.	800.	766.	34.
B-03-02 16	905.	905.	846.	59.
B-03-02 21	905.	905.	865.	40.
B-03-02 22	820.	800.	760.	40.
B-03-02 23	760.	740.	734.	6.
B-03-02 24	770.	735.	725.	10.
B-03-02 25	743.	700.	712.	-12.
B-03-02 26	760.	730.	732.	-2.
B-03-02 27	800.	780.	746.	34.
B-03-02 28	850.	840.	807.	33.
B-03-02 33	805.	785.	768.	17.
B-03-02 34	770.	750.	738.	12.
B-03-02 35	750.	723.	718.	5.
B-03-02 36	735.	680.	705.	-25.
B-04-01 01	995.	950.	995.	-45.
B-04-01 02	1012.	1000.	1014.	-14.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
B-04-01 03	1025.	1015.	1036.	-21.
B-04-01 04	1030.	1020.	1037.	-17.
B-04-01 05	1030.	1025.	1022.	3.
B-04-01 06	1050.	1030.	1039.	-9.
B-04-01 07	975.	960.	942.	18.
B-04-01 08	960.	950.	937.	13.
B-04-01 09	980.	960.	946.	14.
B-04-01 10	1000.	960.	951.	9.
B-04-01 11	1010.	940.	955.	-15.
B-04-01 12	1010.	930.	955.	-25.
B-04-01 13	960.	910.	879.	31.
B-04-01 14	950.	900.	867.	33.
B-04-01 15	940.	900.	852.	48.
B-04-01 16	920.	895.	850.	45.
B-04-01 17	890.	860.	844.	16.
B-04-01 18	880.	860.	849.	11.
B-04-01 19	862.	830.	825.	5.
B-04-01 20	865.	828.	817.	11.
B-04-01 21	875.	840.	821.	19.
B-04-01 22	922.	902.	843.	59.
B-04-01 23	912.	890.	857.	33.
B-04-01 24	900.	875.	862.	13.
B-04-01 25	885.	845.	841.	4.
B-04-01 26	875.	850.	832.	18.
B-04-01 27	870.	840.	817.	23.
B-04-01 28	845.	815.	810.	5.
B-04-01 29	840.	810.	804.	6.
B-04-01 30	830.	810.	810.	0.
B-04-01 31	820.	795.	799.	-4.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
B-04-01 32	825.	790.	795.	-5.
B-04-01 33	835.	792.	796.	-4.
B-04-01 34	850.	820.	801.	19.
B-04-01 35	855.	835.	813.	22.
B-04-01 36	865.	835.	823.	12.
B-04-02 01	1060.	1035.	1053.	-18.
B-04-02 02	1090.	1070.	1078.	-8.
B-04-02 03	1100.	1100.	1107.	-7.
B-04-02 04	1124.	1120.	1131.	-11.
B-04-02 05	1130.	1130.	1143.	-13.
B-04-02 06	1150.	1150.	1156.	-6.
B-04-02 07	1130.	1135.	1146.	-11.
B-04-02 08	1130.	1125.	1116.	9.
B-04-02 09	1108.	1105.	1083.	22.
B-04-02 10	1070.	1065.	1038.	27.
B-04-02 11	1010.	1002.	998.	4.
B-04-02 12	1000.	965.	963.	2.
B-04-02 13	902.	880.	878.	2.
B-04-02 14	935.	930.	915.	15.
B-04-02 15	1000.	1000.	957.	43.
B-04-02 16	1065.	1065.	1024.	41.
B-04-02 17	1110.	1110.	1083.	27.
B-04-02 18	1125.	1125.	1123.	2.
B-04-02 19	1120.	1115.	1112.	3.
B-04-02 20	1095.	1090.	1068.	22.
B-04-02 21	1040.	1035.	988.	47.
B-04-02 22	970.	965.	911.	54.
B-04-02 23	890.	880.	875.	5.
B-04-02 24	870.	830.	846.	-16.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
B-04-02 25	840.	818.	826.	-8.
B-04-02 26	880.	853.	844.	9.
B-04-02 27	900.	925.	881.	44.
B-04-02 28	1000.	1000.	950.	50.
B-04-02 33	950.	950.	914.	36.
B-04-02 34	890.	890.	858.	32.
B-04-02 35	850.	850.	837.	13.
B-04-02 36	825.	812.	809.	3.
C-01-02 03	848.	855.	834.	21.
C-01-02 04	840.	852.	834.	18.
C-01-02 05	833.	850.	834.	16.
C-01-02 06	830.	846.	831.	15.
C-01-02 07	840.	845.	838.	7.
C-01-02 08	840.	850.	839.	11.
C-01-02 18	840.	850.	843.	7.
C-01-03 01	820.	840.	832.	8.
C-01-03 02	832.	840.	833.	7.
C-01-03 03	837.	840.	835.	5.
C-01-03 04	835.	835.	832.	3.
C-01-03 05	833.	830.	838.	-8.
C-01-03 06	834.	830.	839.	-9.
C-01-03 07	830.	825.	830.	-5.
C-01-03 08	830.	825.	839.	-14.
C-01-03 09	840.	825.	839.	-14.
C-01-03 10	841.	827.	841.	-14.
C-01-03 11	840.	831.	839.	-8.
C-01-03 12	844.	835.	839.	-4.
C-01-03 13	835.	850.	841.	9.
D-01-01 01	910.	940.	943.	-3.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-01-01 02	950.	930.	940.	-2.
D-01-01 03	943.	936.	938.	-2.
D-01-01 04	938.	932.	937.	-5.
D-01-01 05	933.	928.	937.	-9.
D-01-01 06	923.	925.	936.	-11.
D-01-01 09	926.	930.	936.	-6.
D-01-01 10	930.	935.	936.	-1.
D-01-01 11	930.	936.	935.	1.
D-01-01 12	850.	942.	930.	12.
D-01-01 13	942.	944.	920.	24.
D-01-01 14	938.	940.	930.	10.
D-01-01 15	933.	945.	933.	12.
D-01-01 16	927.	930.	934.	-4.
D-01-01 17	924.	925.	935.	-10.
D-01-01 20	925.	925.	934.	-9.
D-01-01 21	930.	935.	934.	1.
D-01-01 22	935.	937.	934.	3.
D-01-01 23	935.	940.	932.	8.
D-01-01 24	940.	945.	926.	19.
D-01-01 25	945.	946.	935.	11.
D-01-01 26	940.	940.	936.	4.
D-01-01 27	935.	935.	935.	0.
D-01-01 28	930.	935.	934.	1.
D-01-01 29	927.	927.	934.	-7.
D-01-01 35	945.	942.	944.	-2.
D-01-01 36	955.	948.	945.	3.
D-01-02 01	1025.	1005.	1019.	-14.
D-01-02 02	1010.	990.	1007.	-17.
D-01-02 03	990.	975.	992.	-17.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-01-02 04	980.	960.	970.	-10.
D-01-02 05	900.	950.	957.	-7.
D-01-02 06	840.	945.	946.	-1.
D-01-02 07	820.	945.	909.	36.
D-01-02 08	900.	955.	940.	15.
D-01-02 17	950.	960.	897.	63.
D-01-02 18	845.	950.	892.	58.
D-01-02 19	945.	950.	909.	41.
D-01-02 20	980.	965.	891.	74.
D-01-02 29	980.	965.	925.	40.
D-01-02 30	980.	950.	931.	19.
D-01-02 31	960.	953.	945.	8.
D-01-02 32	982.	965.	949.	16.
D-01-03 05	1041.	1025.	1025.	0.
D-01-03 06	1035.	1015.	1015.	0.
D-01-04 01	1062.	1055.	1053.	2.
D-01-04 02	1077.	1056.	1054.	2.
D-01-04 03	1078.	1050.	1057.	-7.
D-01-04 04	1080.	1085.	1078.	7.
D-01-04 09	1060.	1050.	1050.	0.
D-01-04 10	1045.	1057.	1052.	5.
D-01-04 11	1062.	1065.	1049.	16.
D-01-04 12	1057.	1065.	1050.	15.
D-01-04 13	1035.	1059.	1052.	7.
D-01-04 14	1071.	1068.	1049.	19.
D-01-04 15	1065.	1050.	1050.	0.
D-01-04 16	1060.	1055.	1052.	3.
D-01-04 17	1050.	1055.	1053.	2.
D-01-04 18	1056.	1055.	1054.	1.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-01-04 19	1055.	1055.	1053.	2.
D-01-04 20	1055.	1053.	1053.	0.
D-01-04 21	1055.	1054.	1050.	0.
D-01-04 22	1064.	1050.	1047.	3.
D-01-04 23	1066.	1057.	1048.	9.
D-01-04 24	1055.	1050.	1047.	3.
D-01-04 25	1074.	1051.	1042.	9.
D-01-04 26	1065.	1052.	1043.	9.
D-01-04 27	1064.	1047.	1044.	3.
D-01-04 28	1058.	1046.	1047.	-1.
D-01-04 29	1056.	1051.	1050.	1.
D-01-04 30	1050.	1050.	1048.	2.
D-01-04 31	1046.	1046.	1038.	8.
D-01-04 32	1047.	1047.	1045.	2.
D-01-04 33	1048.	1043.	1043.	0.
D-01-04 34	1055.	1035.	1042.	-7.
D-01-04 35	1058.	1029.	1038.	-9.
D-01-04 36	1064.	1028.	1034.	-6.
D-01-05 01	1025.	998.	998.	0.
D-01-05 02	1008.	990.	999.	-9.
D-01-05 03	988.	980.	990.	-10.
D-01-05 04	987.	980.	1007.	-27.
D-01-05 05	1010.	1000.	1027.	-27.
D-01-05 06	1040.	1040.	1044.	-4.
D-01-05 07	1020.	1030.	1043.	-13.
D-01-05 08	998.	995.	1031.	-36.
D-01-05 09	989.	1000.	1026.	-26.
D-01-05 10	1010.	1025.	1018.	7.
D-01-05 11	1037.	1020.	1018.	2.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-01-05 12	1039.	1020.	1010.	10.
D-01-05 13	1045.	1045.	1027.	18.
D-01-05 14	1035.	1045.	1034.	11.
D-01-05 15	1000.	1046.	1037.	9.
D-01-05 16	1000.	1050.	1048.	2.
D-01-05 17	1040.	1050.	1047.	3.
D-01-05 18	1030.	1057.	1051.	6.
D-01-05 19	1062.	1062.	1050.	12.
D-01-05 20	1057.	1055.	1052.	3.
D-01-05 21	1045.	1049.	1050.	-1.
D-01-05 22	1030.	1042.	1046.	-4.
D-01-05 23	1029.	1035.	1040.	-5.
D-01-05 24	1037.	1035.	1035.	0.
D-01-05 25	1043.	1040.	1037.	3.
D-01-05 26	1040.	1044.	1042.	2.
D-01-05 27	1052.	1045.	1050.	-5.
D-01-05 28	1055.	1046.	1050.	-4.
D-01-05 29	1063.	1053.	1044.	9.
D-01-05 30	1074.	1052.	1045.	7.
D-01-05 31	1080.	1040.	1040.	0.
D-01-05 32	1065.	1052.	1036.	16.
D-01-05 33	1057.	1048.	1042.	6.
D-01-05 34	1055.	1046.	1041.	5.
D-01-05 35	1049.	1043.	1042.	1.
D-01-05 36	1043.	1040.	1040.	0.
D-01-06 01	890.	860.	906.	-46.
D-01-06 02	900.	885.	915.	-30.
D-01-06 03	950.	925.	959.	-34.
D-01-06 04	950.	950.	973.	-23.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-01-06 05	1010.	980.	974.	6.
D-01-06 06	1025.	998.	991.	7.
D-01-06 07	1035.	1015.	1008.	7.
D-01-06 08	1020.	1065.	999.	66.
D-01-06 09	1000.	1000.	993.	7.
D-01-06 10	1035.	970.	985.	-15.
D-01-06 11	925.	900.	943.	-43.
D-01-06 12	930.	870.	927.	-57.
D-01-06 13	938.	900.	939.	-39.
D-01-06 14	990.	970.	972.	-2.
D-01-06 15	1040.	1030.	1001.	29.
D-01-06 16	1047.	1041.	1009.	32.
D-01-06 17	1040.	1042.	1016.	26.
D-01-06 18	1047.	1043.	1018.	25.
D-01-06 19	1045.	1038.	1028.	10.
D-01-06 20	1047.	1039.	1026.	13.
D-01-06 21	1047.	1040.	1014.	26.
D-01-06 22	1039.	1020.	1009.	11.
D-01-06 23	1030.	1000.	989.	11.
D-01-06 24	948.	925.	950.	-25.
D-01-06 25	1000.	970.	966.	4.
D-01-06 26	1020.	960.	988.	-28.
D-01-06 27	1020.	970.	1000.	-30.
D-01-06 28	1015.	1000.	1016.	-16.
D-01-06 29	1020.	1010.	1027.	-17.
D-01-06 30	1045.	1038.	1035.	3.
D-01-06 31	1024.	995.	1035.	-40.
D-01-06 32	1010.	990.	1026.	-36.
D-01-06 33	990.	975.	1012.	-37.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-01-06 34	1003.	970.	989.	-19.
D-01-06 35	1020.	970.	987.	-17.
D-01-06 36	1020.	970.	974.	-4.
D-01-07 01	1167.	1127.	1111.	16.
D-01-07 02	1145.	1109.	1077.	32.
D-01-07 03	1120.	1055.	1042.	13.
D-01-07 04	1078.	1000.	1006.	-6.
D-01-07 05	1028.	930.	975.	-45.
D-01-07 06	1001.	860.	945.	-85.
D-01-07 07	980.	867.	937.	-70.
D-01-07 08	1030.	900.	973.	-73.
D-01-07 09	1075.	1000.	1011.	-11.
D-01-07 10	1120.	1047.	1049.	-2.
D-01-07 11	1145.	1100.	1084.	16.
D-01-07 12	1170.	1127.	1114.	13.
D-01-07 13	1160.	1125.	1111.	14.
D-01-07 14	1130.	1075.	1082.	-7.
D-01-07 15	1100.	1037.	1049.	-12.
D-01-07 16	1070.	975.	1013.	-38.
D-01-07 17	1029.	905.	974.	-69.
D-01-07 18	965.	860.	943.	-83.
D-01-07 19	980.	900.	936.	-36.
D-01-07 20	1020.	900.	975.	-75.
D-01-07 21	1035.	975.	1013.	-38.
D-01-07 22	1075.	1025.	1047.	-22.
D-01-07 23	1120.	1070.	1077.	-7.
D-01-07 24	1150.	1120.	1108.	12.
D-01-07 25	1135.	1123.	1097.	26.
D-01-07 26	1090.	1070.	1070.	0.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-01-07 27	1055.	1010.	1043.	-33.
D-01-07 28	1029.	960.	1016.	-56.
D-01-07 29	1000.	927.	987.	-60.
D-01-07 30	980.	955.	963.	-8.
D-01-07 31	965.	963.	969.	-6.
D-01-07 32	994.	940.	988.	-48.
D-01-07 33	1028.	950.	1005.	-55.
D-01-07 34	1052.	1000.	1019.	-19.
D-01-07 35	1100.	1070.	1039.	31.
D-01-07 36	1120.	1110.	1062.	48.
D-01-08 02	1255.	1240.	1218.	22.
D-01-08 03	1250.	1220.	1203.	17.
D-01-08 04	1232.	1195.	1189.	6.
D-01-08 05	1215.	1170.	1169.	1.
D-01-08 06	1195.	1145.	1143.	2.
D-01-08 07	1185.	1150.	1142.	8.
D-01-08 08	1210.	1180.	1170.	10.
D-01-08 09	1220.	1200.	1194.	6.
D-01-08 10	1235.	1225.	1210.	15.
D-01-08 11	1250.	1250.	1225.	25.
D-01-08 12	1260.	1260.	1236.	24.
D-01-08 13	1249.	1250.	1240.	10.
D-01-08 14	1240.	1235.	1228.	7.
D-01-08 15	1230.	1225.	1212.	13.
D-01-08 16	1215.	1210.	1198.	12.
D-01-08 17	1195.	1185.	1173.	12.
D-01-08 18	1175.	1155.	1134.	21.
D-01-08 19	1170.	1165.	1135.	30.
D-01-08 20	1200.	1200.	1171.	29.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-01-08 21	1220.	1220.	1192.	28.
D-01-08 22	1210.	1225.	1206.	19.
D-01-08 23	1225.	1235.	1219.	16.
D-01-08 24	1235.	1250.	1232.	18.
D-01-08 25	1200.	1240.	1214.	26.
D-01-08 26	1235.	1230.	1197.	33.
D-01-08 27	1215.	1210.	1182.	28.
D-01-08 28	1200.	1195.	1169.	26.
D-01-08 29	1175.	1170.	1164.	6.
D-01-08 30	1170.	1165.	1119.	46.
D-01-08 31	1145.	1100.	1099.	1.
D-01-08 32	1170.	1125.	1111.	14.
D-01-08 33	1190.	1150.	1125.	25.
D-01-08 34	1164.	1175.	1144.	31.
D-01-08 35	1195.	1190.	1164.	26.
D-01-08 36	1208.	1200.	1185.	15.
D-01-09 07	1267.	1267.	1252.	15.
D-01-09 08	1274.	1274.	1264.	10.
D-01-09 09	1280.	1280.	1272.	8.
D-01-09 10	1290.	1290.	1278.	12.
D-01-09 13	1298.	1298.	1283.	15.
D-01-09 14	1291.	1291.	1279.	12.
D-01-09 15	1282.	1282.	1272.	10.
D-01-09 16	1273.	1273.	1265.	8.
D-01-09 17	1265.	1265.	1257.	8.
D-01-09 18	1257.	1257.	1249.	8.
D-01-09 19	1247.	1260.	1242.	18.
D-01-09 20	125c.	1260.	1250.	10.
D-01-09 21	1267.	1265.	1259.	6.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-01-09 22	1276.	1270.	1266.	4.
D-01-09 23	1265.	1265.	1272.	13.
D-01-09 24	1294.	1290.	1277.	13.
D-01-09 25	1286.	1256.	1272.	-16.
D-01-09 26	1277.	1277.	1267.	10.
D-01-09 27	1268.	1268.	1259.	9.
D-01-09 28	1257.	1257.	1249.	8.
D-01-09 29	1252.	1252.	1239.	13.
D-01-09 30	1250.	1250.	1228.	22.
D-01-09 31	1224.	1200.	1205.	-5.
D-01-09 32	1236.	1215.	1220.	-5.
D-01-09 33	1245.	1230.	1232.	-2.
D-01-09 34	1257.	1250.	1245.	5.
D-01-09 35	1267.	1265.	1256.	9.
D-01-09 36	1276.	1265.	1263.	22.
D-01-10 30	1295.	1295.	1279.	16.
D-01-10 31	1285.	1305.	1268.	37.
D-02-01 01	965.	950.	955.	-5.
D-02-01 02	950.	945.	951.	-6.
D-02-01 12	970.	970.	965.	5.
D-02-02 01	1013.	1000.	1010.	-10.
D-02-02 02	1007.	995.	1006.	-11.
D-02-02 03	1003.	995.	999.	-4.
D-02-02 04	998.	990.	989.	1.
D-02-02 05	985.	960.	971.	-11.
D-02-02 06	975.	955.	958.	-3.
D-02-02 07	985.	980.	970.	10.
D-02-02 08	990.	990.	986.	4.
D-02-02 09	1002.	990.	996.	-6.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-02-02 10	1006.	992.	1002.	-10.
D-02-02 11	1010.	997.	1006.	-9.
D-02-02 12	1014.	1000.	1009.	-9.
D-02-02 13	1015.	1000.	1009.	-9.
D-02-02 14	1010.	998.	1006.	-8.
D-02-02 15	1007.	997.	1002.	-5.
D-02-02 16	1004.	995.	998.	-3.
D-02-02 17	999.	995.	995.	0.
D-02-02 20	1001.	997.	999.	-2.
D-02-02 21	1004.	998.	1001.	-3.
D-02-02 22	1008.	999.	1004.	-5.
D-02-02 23	1011.	1000.	1007.	-7.
D-02-02 24	1016.	999.	1010.	-11.
D-02-02 25	1016.	999.	1011.	-12.
D-02-02 26	1012.	1000.	1008.	-8.
D-02-02 27	1008.	998.	1006.	-8.
D-02-02 28	1004.	997.	1004.	-7.
D-02-02 29	1001.	996.	1002.	-6.
D-02-02 32	999.	995.	1004.	-9.
D-02-02 33	1003.	995.	1005.	-10.
D-02-02 34	1007.	995.	1007.	-12.
D-02-02 35	1011.	997.	1009.	-12.
D-02-02 36	1015.	1000.	1011.	-11.
D-02-03 01	1046.	1030.	965.	65.
D-02-03 02	1045.	1025.	976.	49.
D-02-03 07	1016.	998.	1011.	-13.
D-02-03 08	1023.	1001.	1007.	-6.
D-02-03 09	1030.	1008.	984.	24.
D-02-03 10	1038.	1015.	1003.	12.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-02-03 11	1045.	1025.	991.	34.
D-02-03 12	1044.	1027.	1003.	24.
D-02-03 13	1043.	1025.	1018.	7.
D-02-03 14	1041.	1018.	1012.	6.
D-02-03 15	1036.	1012.	1013.	-1.
D-02-03 16	1030.	1006.	1011.	-5.
D-02-03 17	1024.	1000.	1013.	-13.
D-02-03 18	1020.	997.	1012.	-15.
D-02-03 19	1021.	997.	1013.	-16.
D-02-03 20	1025.	1000.	1015.	-15.
D-02-03 21	1030.	1005.	1016.	-11.
D-02-03 22	1036.	1010.	1017.	-7.
D-02-03 23	1039.	1015.	1018.	-3.
D-02-03 24	1042.	1020.	1023.	-3.
D-02-03 25	1040.	1018.	1022.	-4.
D-02-03 26	1037.	1015.	1020.	-5.
D-02-03 27	1031.	1010.	1019.	-9.
D-02-03 28	1028.	1006.	1017.	-11.
D-02-03 29	1024.	1001.	1015.	-14.
D-02-03 30	1020.	998.	1013.	-15.
D-02-03 31	1018.	997.	1013.	-16.
D-02-03 32	1022.	1003.	1016.	-13.
D-02-03 33	1025.	1007.	1018.	-11.
D-02-03 34	1029.	1011.	1020.	-9.
D-02-03 35	1036.	1014.	1023.	-9.
D-02-03 36	1038.	1017.	1026.	-9.
D-02-04 01	1059.	1030.	1026.	4.
D-02-04 02	1060.	1042.	1035.	7.
D-02-04 03	1058.	1042.	1040.	2.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-02-04 04	1053.	1040.	1041.	-1.
D-02-04 05	1051.	1042.	1035.	7.
D-02-04 06	1048.	1040.	1011.	29.
D-02-04 07	1047.	1034.	1026.	8.
D-02-04 08	1048.	1028.	1037.	-9.
D-02-04 09	1050.	1031.	1041.	-10.
D-02-04 10	1053.	1035.	1040.	-5.
D-02-04 11	1057.	1040.	1036.	4.
D-02-04 12	1058.	1033.	1032.	1.
D-02-04 13	1060.	1050.	1023.	27.
D-02-04 14	1057.	1044.	1036.	8.
D-02-04 15	1054.	1041.	1041.	0.
D-02-04 16	1050.	1036.	1042.	-6.
D-02-04 17	1048.	1031.	1039.	-8.
D-02-04 18	1045.	1030.	1032.	-2.
D-02-04 19	1043.	1025.	1033.	-8.
D-02-04 20	1046.	1028.	1040.	-12.
D-02-04 21	1050.	1039.	1043.	-4.
D-02-04 22	1054.	1044.	1044.	0.
D-02-04 23	1059.	1049.	1041.	8.
D-02-04 24	1064.	1055.	1033.	22.
D-02-04 25	1065.	1057.	1036.	21.
D-02-04 26	1060.	1050.	1044.	6.
D-02-04 27	1056.	1045.	1046.	-1.
D-02-04 28	1050.	1035.	1045.	-10.
D-02-04 29	1048.	1025.	1040.	-15.
D-02-04 30	1044.	1022.	1031.	-9.
D-02-04 31	1042.	1019.	1035.	-16.
D-02-04 32	1046.	1025.	1042.	-17.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-02-04 33	1050.	1030.	1047.	-17.
D-02-04 34	1056.	1040.	1049.	-9.
D-02-04 35	1061.	1045.	1048.	-3.
D-02-04 36	1068.	1049.	1046.	3.
D-02-05 01	1050.	1040.	1039.	1.
D-02-05 02	1053.	1043.	1043.	0.
D-02-05 03	1056.	1046.	1043.	3.
D-02-05 04	1056.	1048.	1030.	18.
D-02-05 05	1065.	1052.	1038.	14.
D-02-05 06	1060.	1043.	1037.	6.
D-02-05 07	1057.	1050.	1034.	16.
D-02-05 08	1072.	1055.	1036.	19.
D-02-05 09	1064.	1062.	1035.	27.
D-02-05 10	1062.	1050.	1055.	-5.
D-02-05 11	1065.	1044.	1049.	-5.
D-02-05 12	1067.	1040.	1041.	-1.
D-02-05 13	1065.	1040.	1043.	-3.
D-02-05 14	1066.	1045.	1053.	-8.
D-02-05 15	1060.	1050.	1056.	-6.
D-02-05 16	1088.	1075.	1047.	28.
D-02-05 17	1075.	1056.	1026.	30.
D-02-05 18	1075.	1054.	1030.	24.
D-02-05 19	1078.	1059.	1032.	27.
D-02-05 20	1080.	1070.	998.	72.
D-02-05 21	1087.	1070.	1036.	32.
D-02-05 22	1082.	1050.	1044.	6.
D-02-05 23	1064.	1046.	1051.	-5.
D-02-05 24	1063.	1043.	1043.	0.
D-02-05 25	1069.	1045.	1055.	-10.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-02-05 26	1064.	1047.	1054.	-7.
D-02-05 27	1082.	1049.	1051.	-2.
D-02-05 28	1087.	1057.	1047.	10.
D-02-05 29	1085.	1070.	1038.	32.
D-02-05 30	1076.	1060.	1044.	16.
D-02-05 31	1073.	1045.	1051.	-6.
D-02-05 32	1084.	1052.	1048.	4.
D-02-05 33	1082.	1060.	1057.	3.
D-02-05 34	1075.	1049.	1062.	-13.
D-02-05 35	1071.	1047.	1061.	-14.
D-02-05 36	1076.	1045.	1060.	-15.
D-02-06 01	1035.	960.	982.	-22.
D-02-06 02	1015.	970.	988.	-18.
D-02-06 03	1003.	980.	996.	-16.
D-02-06 04	999.	999.	1006.	-7.
D-02-06 05	1030.	1010.	1029.	-19.
D-02-06 06	1045.	1020.	1031.	-11.
D-02-06 07	1072.	1032.	1027.	5.
D-02-06 08	1068.	1025.	1018.	7.
D-02-06 09	1045.	1010.	998.	12.
D-02-06 10	1015.	990.	994.	-4.
D-02-06 11	1010.	980.	984.	-4.
D-02-06 12	1032.	960.	975.	-15.
D-02-06 13	1025.	990.	979.	11.
D-02-06 14	1013.	997.	990.	7.
D-02-06 15	1033.	1015.	996.	19.
D-02-06 16	1038.	1025.	1007.	18.
D-02-06 17	1051.	1030.	1012.	18.
D-02-06 18	1064.	1036.	1022.	14.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-02-06 19	1054.	1040.	1033.	7.
D-02-06 20	1048.	1037.	1027.	10.
D-02-06 21	1040.	1034.	1012.	22.
D-02-06 22	1032.	1030.	999.	31.
D-02-06 23	1038.	1022.	994.	28.
D-02-06 24	1037.	1015.	981.	34.
D-02-06 25	1033.	980.	963.	17.
D-02-06 26	1031.	990.	989.	1.
D-02-06 27	1028.	1000.	997.	3.
D-02-06 28	1035.	1035.	1009.	26.
D-02-06 29	1054.	1041.	1030.	11.
D-02-06 30	1059.	1043.	1045.	-2.
D-02-06 31	1074.	1044.	1047.	-3.
D-02-06 32	1067.	1041.	1039.	2.
D-02-06 33	1015.	995.	995.	0.
D-02-06 34	945.	945.	979.	-34.
D-02-06 35	970.	940.	968.	-28.
D-02-06 36	975.	940.	937.	3.
D-02-07 01	1090.	1040.	1006.	34.
D-02-07 02	1055.	1035.	997.	38.
D-02-07 03	1048.	1020.	990.	30.
D-02-07 04	1012.	960.	990.	-30.
D-02-07 05	990.	950.	987.	-37.
D-02-07 06	992.	960.	979.	-19.
D-02-07 07	1020.	965.	977.	-12.
D-02-07 08	1005.	970.	985.	-15.
D-02-07 09	1012.	978.	987.	-9.
D-02-07 10	1033.	1000.	986.	14.
D-02-07 11	1047.	990.	984.	6.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-02-07 12	1080.	985.	993.	-8.
D-02-07 13	1060.	990.	986.	4.
D-02-07 14	1037.	965.	978.	-13.
D-02-07 15	1043.	960.	971.	-11.
D-02-07 16	1030.	960.	975.	-15.
D-02-07 17	1027.	970.	973.	-3.
D-02-07 18	1035.	985.	976.	9.
D-02-07 19	1040.	1006.	978.	28.
D-02-07 20	1044.	975.	971.	4.
D-02-07 21	1048.	940.	963.	-23.
D-02-07 22	1047.	935.	961.	-26.
D-02-07 23	1045.	940.	963.	-23.
D-02-07 24	1052.	965.	972.	-7.
D-02-07 25	1045.	950.	965.	-15.
D-02-07 26	1040.	900.	953.	-53.
D-02-07 27	1012.	896.	948.	-52.
D-02-07 28	1030.	895.	953.	-58.
D-02-07 29	1030.	930.	950.	-20.
D-02-07 30	1032.	970.	961.	9.
D-02-07 31	970.	930.	921.	9.
D-02-07 32	972.	910.	943.	-33.
D-02-07 33	970.	915.	943.	-28.
D-02-07 34	977.	925.	940.	-15.
D-02-07 35	1001.	950.	947.	3.
D-02-07 36	1040.	960.	959.	1.
D-02-08 01	1198.	1140.	1160.	-20.
D-02-08 02	1194.	1135.	1136.	-1.
D-02-08 03	1185.	1125.	1116.	9.
D-02-08 04	1175.	1120.	1097.	23.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-02-08 05	1165.	1095.	1085.	10.
D-02-08 06	1135.	1050.	1058.	-8.
D-02-08 07	1122.	1025.	1023.	2.
D-02-08 08	1150.	1070.	1056.	14.
D-02-08 09	1150.	1085.	1079.	6.
D-02-08 10	1052.	1095.	1100.	-5.
D-02-08 11	1163.	1108.	1118.	-10.
D-02-08 12	1180.	1120.	1142.	-22.
D-02-08 13	1160.	1100.	1126.	-26.
D-02-08 14	1145.	1080.	1104.	-24.
D-02-08 15	1130.	1065.	1083.	-18.
D-02-08 16	1127.	1048.	1059.	-11.
D-02-08 17	1125.	1029.	1035.	-6.
D-02-08 18	1110.	1020.	1006.	14.
D-02-08 19	1078.	990.	992.	-2.
D-02-08 20	1090.	1000.	1013.	-13.
D-02-08 21	1100.	1025.	1036.	-11.
D-02-08 22	1109.	1045.	1056.	-11.
D-02-08 23	1120.	1065.	1086.	-21.
D-02-08 24	1150.	1091.	1111.	-20.
D-02-08 25	1145.	1090.	1095.	-5.
D-02-08 26	1120.	1055.	1072.	-17.
D-02-08 27	1097.	1036.	1047.	-11.
D-02-08 28	1080.	1015.	1022.	-7.
D-02-08 29	1062.	994.	1001.	-7.
D-02-08 30	1040.	977.	980.	-3.
D-02-08 31	1044.	980.	973.	7.
D-02-08 32	1048.	995.	994.	1.
D-02-08 33	1055.	1015.	1015.	0.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-02-08 34	1090.	1038.	1040.	-2.
D-02-08 35	1119.	1057.	1063.	-6.
D-02-08 36	1137.	1090.	1086.	4.
D-02-09 01	1265.	1250.	1252.	-2.
D-02-09 02	1255.	1236.	1244.	-8.
D-02-09 03	1248.	1200.	1233.	-33.
D-02-09 04	1235.	1191.	1220.	-29.
D-02-09 05	1220.	1180.	1205.	-25.
D-02-09 06	1210.	1161.	1186.	-25.
D-02-09 07	1194.	1186.	1168.	18.
D-02-09 08	1200.	1150.	1190.	-40.
D-02-09 09	1220.	1170.	1209.	-39.
D-02-09 10	1225.	1190.	1224.	-34.
D-02-09 11	1230.	1213.	1237.	-24.
D-02-09 12	1250.	1245.	1247.	-2.
D-02-09 13	1255.	1231.	1241.	-10.
D-02-09 14	1240.	1205.	1230.	-25.
D-02-09 15	1225.	1180.	1217.	-37.
D-02-09 16	1207.	1157.	1199.	-42.
D-02-09 17	1195.	1140.	1176.	-36.
D-02-09 18	1180.	1123.	1152.	-29.
D-02-09 19	1167.	1110.	1135.	-25.
D-02-09 20	1180.	1135.	1161.	-26.
D-02-09 21	1200.	1148.	1186.	-38.
D-02-09 22	1215.	1175.	1209.	-34.
D-02-09 23	1235.	1200.	1225.	-25.
D-02-09 24	1235.	1232.	1237.	-5.
D-02-09 25	1242.	1233.	1232.	1.
D-02-09 26	1225.	1200.	1217.	-17.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-02-09 27	1210.	1170.	1198.	-28.
D-02-09 28	1195.	1145.	1175.	-30.
D-02-09 29	1178.	1130.	1146.	-16.
D-02-09 30	1160.	1105.	1118.	-13.
D-02-09 31	1152.	1103.	1111.	-8.
D-02-09 32	1170.	1130.	1138.	-8.
D-02-09 33	1185.	1145.	1165.	-20.
D-02-09 34	1205.	1171.	1190.	-19.
D-02-09 35	1220.	1195.	1209.	-14.
D-02-09 36	1240.	1230.	1225.	5.
D-02-10 05	1285.	1270.	1265.	5.
D-02-10 06	1275.	1260.	1256.	4.
D-02-10 07	1260.	1260.	1252.	8.
D-02-10 08	1270.	1270.	1260.	10.
D-02-10 17	1275.	1265.	1254.	11.
D-02-10 18	1265.	1255.	1249.	6.
D-02-10 19	1240.	1240.	1246.	-6.
D-02-10 20	1250.	1250.	1252.	-2.
D-02-10 21	1260.	1260.	1260.	0.
D-02-10 22	1270.	1270.	1268.	2.
D-02-10 23	1280.	1280.	1276.	4.
D-02-10 24	1290.	1290.	1281.	9.
D-02-10 25	1292.	1290.	1278.	12.
D-02-10 26	1281.	1280.	1274.	6.
D-02-10 27	1270.	1270.	1267.	3.
D-02-10 28	1259.	1260.	1259.	1.
D-02-10 29	1248.	1250.	1250.	0.
D-02-10 30	1250.	1245.	1242.	3.
D-02-10 31	1250.	1250.	1239.	11.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-02-10 32	1255.	1255.	1249.	6.
D-02-10 33	1260.	1260.	1259.	1.
D-02-10 34	1265.	1265.	1266.	-1.
D-02-10 35	1270.	1270.	1272.	-2.
D-02-10 36	1285.	1285.	1276.	9.
D-03-02 01	1011.	1005.	1011.	-6.
D-03-02 02	1008.	1000.	1009.	-9.
D-03-02 03	1005.	1000.	1007.	-7.
D-03-02 04	1002.	1000.	1006.	-6.
D-03-02 09	998.	1005.	1007.	-2.
D-03-02 10	1003.	1010.	1007.	3.
D-03-02 11	1005.	1010.	1008.	2.
D-03-02 12	1009.	1010.	1010.	0.
D-03-02 13	1005.	1010.	1009.	1.
D-03-02 14	1003.	1010.	1008.	2.
D-03-02 15	1000.	1010.	1007.	3.
D-03-02 16	995.	1005.	1007.	-2.
D-03-02 22	990.	1015.	1006.	9.
D-03-02 23	999.	1015.	1007.	8.
D-03-02 24	1002.	1015.	1008.	7.
D-03-02 25	998.	1020.	1007.	13.
D-03-02 26	995.	1020.	1007.	13.
D-03-02 27	990.	1020.	1006.	14.
D-03-02 34	990.	1010.	1005.	5.
D-03-02 35	993.	1020.	1006.	14.
D-03-02 36	995.	1030.	1007.	23.
D-03-03 01	1035.	1020.	1029.	-9.
D-03-03 02	1030.	1020.	1025.	-5.
D-03-03 03	1025.	1010.	1021.	-11.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-03-03 04	1022.	1010.	1018.	-8.
D-03-03 05	1018.	1010.	1016.	-6.
D-03-03 06	1016.	1000.	1013.	-13.
D-03-03 07	1011.	1010.	1012.	-2.
D-03-03 08	1014.	1020.	1015.	5.
D-03-03 09	1018.	1015.	1018.	-3.
D-03-03 10	1019.	1020.	1021.	-1.
D-03-03 11	1023.	1030.	1026.	4.
D-03-03 12	1030.	1025.	1031.	-6.
D-03-03 13	1024.	1040.	1032.	8.
D-03-03 14	1017.	1040.	1026.	14.
D-03-03 15	1013.	1035.	1020.	15.
D-03-03 16	1011.	1030.	1016.	14.
D-03-03 17	1009.	1025.	1013.	12.
D-03-03 18	1007.	1010.	1011.	-1.
D-03-03 19	1004.	1020.	1009.	11.
D-03-03 20	1005.	1030.	1011.	19.
D-03-03 21	1008.	1040.	1013.	27.
D-03-03 22	1010.	1045.	1015.	30.
D-03-03 27	1006.	1060.	1013.	47.
D-03-03 28	1004.	1050.	1011.	39.
D-03-03 29	1002.	1040.	1010.	30.
D-03-03 30	1000.	1030.	1009.	21.
D-03-03 31	990.	1040.	1008.	32.
D-03-03 32	993.	1050.	1009.	41.
D-03-03 33	997.	1060.	1011.	49.
D-03-03 34	1000.	1070.	1013.	57.
D-03-03 35	1005.	1080.	1017.	63.
D-03-03 36	1010.	1085.	1024.	61.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-03-04 01	1067.	1050.	1054.	-4.
D-03-04 02	1062.	1050.	1053.	-3.
D-03-04 03	1056.	1035.	1052.	-17.
D-03-04 04	1050.	1040.	1048.	-8.
D-03-04 05	1046.	1030.	1043.	-13.
D-03-04 06	1042.	1025.	1037.	-12.
D-03-04 07	1040.	1030.	1038.	-8.
D-03-04 08	1046.	1040.	1043.	-3.
D-03-04 09	1053.	1040.	1049.	-9.
D-03-04 10	1057.	1040.	1053.	-13.
D-03-04 11	1064.	1050.	1057.	-7.
D-03-04 12	1070.	1040.	1060.	-20.
D-03-04 13	1074.	1030.	1063.	-33.
D-03-04 14	1067.	1040.	1059.	-19.
D-03-04 15	1063.	1030.	1054.	-24.
D-03-04 16	1056.	1035.	1049.	-14.
D-03-04 17	1046.	1050.	1044.	6.
D-03-04 18	1038.	1040.	1039.	1.
D-03-04 19	1030.	1040.	1041.	-1.
D-03-04 20	1036.	1040.	1044.	-4.
D-03-04 21	1060.	1035.	1049.	-14.
D-03-04 22	1065.	1040.	1054.	-14.
D-03-04 23	1070.	1050.	1060.	-10.
D-03-04 24	1075.	1030.	1066.	-36.
D-03-04 25	1080.	1050.	1073.	-23.
D-03-04 26	1072.	1080.	1064.	16.
D-03-04 27	1066.	1075.	1054.	21.
D-03-04 28	1062.	1080.	1048.	32.
D-03-04 29	1040.	1080.	1043.	37.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-03-04 30	1020.	1070.	1040.	30.
D-03-04 31	1015.	1085.	1034.	51.
D-03-04 32	1026.	1090.	1040.	50.
D-03-04 33	1045.	1090.	1047.	43.
D-03-04 34	1063.	1090.	1056.	34.
D-03-04 35	1070.	1090.	1068.	22.
D-03-04 36	1084.	1095.	1080.	15.
D-03-05 01	1060.	1020.	1072.	-52.
D-03-05 02	1062.	1020.	1073.	-53.
D-03-05 03	1067.	1040.	1071.	-31.
D-03-05 04	1070.	1060.	1067.	-7.
D-03-05 05	1069.	1050.	1060.	-10.
D-03-05 06	1068.	1040.	1058.	-18.
D-03-05 07	1078.	1030.	1063.	-33.
D-03-05 08	1079.	1050.	1068.	-18.
D-03-05 09	1079.	1080.	1080.	0.
D-03-05 10	1079.	1050.	1084.	-34.
D-03-05 11	1070.	1040.	1085.	-45.
D-03-05 12	1060.	1030.	1086.	-56.
D-03-05 13	1100.	1050.	1102.	-52.
D-03-05 14	1101.	1060.	1100.	-40.
D-03-05 15	1100.	1070.	1099.	-29.
D-03-05 16	1100.	1100.	1096.	4.
D-03-05 18	1080.	1070.	1066.	4.
D-03-05 19	1083.	1080.	1070.	10.
D-03-05 21	1107.	1110.	1103.	7.
D-03-05 22	1108.	1090.	1106.	-16.
D-03-05 23	1110.	1090.	1110.	-20.
D-03-05 24	1111.	1080.	1113.	-33.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-03-05 25	1121.	1085.	1120.	-35.
D-03-05 26	1119.	1095.	1116.	-21.
D-03-05 27	1117.	1090.	1111.	-21.
D-03-05 28	1111.	1100.	1107.	-7.
D-03-05 29	1102.	1110.	1096.	14.
D-03-05 30	1090.	1070.	1082.	-12.
D-03-05 31	1092.	1100.	1090.	10.
D-03-05 32	1102.	1100.	1102.	-2.
D-03-05 33	1120.	1100.	1112.	-12.
D-03-05 34	1125.	1095.	1117.	-22.
D-03-05 35	1127.	1090.	1124.	-34.
D-03-05 36	1130.	1085.	1127.	-42.
D-03-06 05	1080.	1030.	1064.	-34.
D-03-06 06	1070.	1020.	1068.	-48.
D-03-06 07	1081.	1040.	1084.	-44.
D-03-06 08	1110.	1040.	1081.	-41.
D-03-06 17	1119.	1050.	1102.	-52.
D-03-06 18	1100.	1050.	1102.	-52.
D-03-06 19	1114.	1080.	1115.	-35.
D-03-06 20	1126.	1070.	1118.	-48.
D-03-06 29	1133.	1070.	1127.	-57.
D-03-06 30	1124.	1080.	1123.	-43.
D-03-06 31	1131.	1080.	1131.	-51.
D-03-06 32	1135.	1075.	1136.	-61.
D-03-07 01	1031.	982.	970.	12.
D-03-07 02	1010.	960.	962.	-2.
D-03-07 11	1027.	1000.	972.	28.
D-03-07 12	1030.	999.	972.	27.
D-03-08 01	1128.	1090.	1082.	8.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-03-08 02	1120.	1060.	1060.	0.
D-03-08 03	1090.	1040.	1041.	-1.
D-03-08 04	1060.	1019.	1015.	4.
D-03-08 05	1047.	1000.	998.	2.
D-03-08 06	1043.	990.	979.	11.
D-03-08 07	1047.	1004.	983.	21.
D-03-08 08	1054.	1012.	1003.	9.
D-03-08 09	1080.	1020.	1025.	-5.
D-03-08 10	1106.	1042.	1037.	5.
D-03-08 11	1124.	1060.	1061.	-1.
D-03-08 12	1128.	1090.	1085.	5.
D-03-08 13	1132.	1090.	1080.	10.
D-03-08 14	1120.	1070.	1060.	10.
D-03-08 15	1092.	1043.	1048.	-5.
D-03-08 16	1070.	1028.	1040.	-12.
D-03-08 17	1050.	1020.	1026.	-6.
D-03-08 20	1057.	1030.	1049.	-19.
D-03-08 21	1080.	1035.	1056.	-21.
D-03-08 22	1092.	1049.	1062.	-13.
D-03-08 23	1115.	1080.	1077.	3.
D-03-08 24	1125.	1092.	1092.	0.
D-03-08 25	1130.	1094.	1109.	-15.
D-03-08 26	1122.	1090.	1095.	-5.
D-03-08 27	1106.	1075.	1084.	-9.
D-03-08 28	1090.	1070.	1070.	0.
D-03-08 29	1075.	1070.	1064.	6.
D-03-08 34	1123.	1120.	1099.	21.
D-03-08 35	1140.	1120.	1109.	11.
D-03-08 36	1145.	1120.	1129.	-9.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-03-09 01	1233.	1235.	1220.	15.
D-03-09 02	1217.	1200.	1202.	-2.
D-03-09 03	1199.	1172.	1186.	-14.
D-03-09 04	1175.	1145.	1162.	-17.
D-03-09 05	1160.	1130.	1136.	-6.
D-03-09 06	1147.	1104.	1110.	-6.
D-03-09 07	1140.	1104.	1113.	-9.
D-03-09 08	1160.	1130.	1139.	-9.
D-03-09 09	1175.	1145.	1162.	-17.
D-03-09 10	1195.	1165.	1182.	-17.
D-03-09 11	1218.	1200.	1200.	0.
D-03-09 12	1235.	1235.	1217.	18.
D-03-09 13	1235.	1235.	1219.	16.
D-03-09 14	1218.	1200.	1200.	0.
D-03-09 15	1197.	1170.	1182.	-12.
D-03-09 16	1175.	1145.	1160.	-15.
D-03-09 17	1157.	1130.	1137.	-7.
D-03-09 18	1142.	1102.	1113.	-11.
D-03-09 19	1137.	1100.	1118.	-18.
D-03-09 20	1158.	1130.	1135.	-5.
D-03-09 21	1177.	1145.	1158.	-13.
D-03-09 22	1195.	1170.	1181.	-11.
D-03-09 23	1220.	1210.	1204.	6.
D-03-09 24	1237.	1237.	1222.	15.
D-03-09 25	1240.	1235.	1223.	12.
D-03-09 26	1223.	1219.	1205.	14.
D-03-09 27	1197.	1180.	1183.	-3.
D-03-09 28	1183.	1148.	1163.	-15.
D-03-09 29	1162.	1132.	1142.	-10.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-03-09 30	1140.	1100.	1123.	-23.
D-03-09 31	1151.	1130.	1136.	-6.
D-03-09 32	1167.	1140.	1152.	-12.
D-03-09 33	1185.	1165.	1168.	-3.
D-03-09 34	1210.	1195.	1178.	17.
D-03-09 35	1232.	1230.	1206.	24.
D-03-09 36	1244.	1235.	1227.	8.
D-03-10 01	1287.	1290.	1278.	12.
D-03-10 02	1276.	1280.	1274.	6.
D-03-10 03	1270.	1270.	1268.	2.
D-03-10 04	1265.	1265.	1260.	5.
D-03-10 05	1260.	1260.	1249.	11.
D-03-10 06	1248.	1250.	1236.	14.
D-03-10 07	1245.	1240.	1235.	5.
D-03-10 08	1260.	1255.	1249.	6.
D-03-10 09	1270.	1270.	1260.	10.
D-03-10 10	1282.	1285.	1268.	17.
D-03-10 11	1290.	1290.	1274.	16.
D-03-10 12	1298.	1295.	1280.	15.
D-03-10 13	1295.	1290.	1278.	12.
D-03-10 14	1270.	1270.	1275.	-5.
D-03-10 15	1265.	1265.	1269.	-4.
D-03-10 16	1260.	1260.	1261.	-1.
D-03-10 17	1255.	1255.	1250.	5.
D-03-10 18	1248.	1247.	1236.	11.
D-03-10 19	1248.	1248.	1238.	10.
D-03-10 20	1255.	1255.	1252.	3.
D-03-10 21	1260.	1260.	1263.	-3.
D-03-10 22	1265.	1265.	1271.	-6.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-03-10 23	1275.	1275.	1277.	-2.
D-03-10 24	1275.	1260.	1280.	0.
D-03-10 25	1300.	1300.	1286.	14.
D-03-10 26	1290.	1290.	1283.	7.
D-03-10 27	1281.	1281.	1278.	3.
D-03-10 28	1272.	1272.	1270.	2.
D-03-10 29	1265.	1265.	1256.	9.
D-03-10 30	1259.	1250.	1239.	11.
D-03-10 31	1255.	1255.	1246.	9.
D-03-10 32	1260.	1270.	1264.	6.
D-03-10 33	1265.	1265.	1277.	-12.
D-03-10 34	1270.	1270.	1286.	-16.
D-03-10 35	1275.	1275.	1291.	-16.
D-03-10 36	1280.	1280.	1293.	-13.
D-04-05 01	1136.	1085.	1134.	-49.
D-04-06 05	1145.	1080.	1141.	-61.
D-04-06 06	1138.	1080.	1137.	-57.
D-04-08 01	1160.	1150.	1154.	-4.
D-04-08 12	1211.	1175.	1177.	-2.
D-04-08 13	1225.	1200.	1202.	-2.
D-04-08 24	1247.	1215.	1219.	-4.
D-04-09 01	1250.	1250.	1235.	15.
D-04-09 02	1240.	1230.	1215.	15.
D-04-09 03	1222.	1210.	1190.	20.
D-04-09 04	1204.	1185.	1178.	7.
D-04-09 05	1174.	1165.	1166.	-1.
D-04-09 06	1165.	1155.	1158.	-3.
D-04-09 07	1210.	1195.	1181.	14.
D-04-09 08	1215.	1200.	1190.	10.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-04-09 09	1225.	1215.	1200.	15.
D-04-09 10	1238.	1225.	1212.	13.
D-04-09 11	1248.	1240.	1229.	11.
D-04-09 12	1260.	1252.	1246.	6.
D-04-09 13	1275.	1275.	1263.	12.
D-04-09 14	1255.	1255.	1248.	7.
D-04-09 15	1248.	1245.	1235.	10.
D-04-09 16	1240.	1240.	1223.	17.
D-04-09 17	1234.	1235.	1215.	20.
D-04-09 18	1230.	1230.	1207.	23.
D-04-09 19	1247.	1240.	1224.	16.
D-04-09 20	1250.	1245.	1232.	13.
D-04-09 21	1258.	1250.	1241.	9.
D-04-09 22	1265.	1270.	1252.	18.
D-04-09 23	1274.	1285.	1263.	22.
D-04-09 24	1283.	1250.	1273.	-23.
D-04-10 01	1305.	1305.	1299.	6.
D-04-10 02	1300.	1300.	1299.	1.
D-04-10 03	1292.	1280.	1294.	-14.
D-04-10 04	1285.	1285.	1285.	0.
D-04-10 05	1275.	1270.	1272.	-2.
D-04-10 06	1267.	1255.	1253.	2.
D-04-10 07	1276.	1265.	1266.	-1.
D-04-10 08	1284.	1300.	1286.	14.
D-04-10 09	1292.	1315.	1298.	17.
D-04-10 10	1300.	1335.	1306.	29.
D-04-10 11	1306.	1340.	1311.	29.
D-04-10 12	1315.	1345.	1305.	40.
D-04-10 15	1360.	1400.	1317.	83.

WATER LEVEL ELEVATION DATA AND ERROR IN SIMULATED ENDING WATER LEVEL ELEVATIONS

LOCATION	WATER BEGIN 1972	ENDING 1976/ 1977	SIMULATED ENDING	DIFF/ ERROR
D-04-10 16	1340.	1370.	1311.	59.
D-04-10 17	1295.	1325.	1301.	24.
D-04-10 18	1285.	1280.	1279.	1.
D-04-10 19	1292.	1285.	1277.	8.

STATE OF ARIZONA

DEPARTMENT OF
WATER RESOURCES

WELL DRILLER REPORT

This report should be prepared by the driller in all detail and filed with the Department within 30 days following completion of the well.

1. Owner _____
Name
_____
Address

2. Lessee or Operator _____
Name
_____
Address

3. Driller _____
Name
_____
Address

4. Location of well: _____

5. Permit No. (if issued) _____

DESCRIPTION OF WELL

6. Total depth of hole _____ ft.
7. Type of Casing _____
8. Diameter and length of casing _____ in. from _____ to _____, _____ in from _____ to _____.
9. Method of sealing at reduction points _____
10. Perforated from _____ to _____, from _____ to _____, from _____ to _____
11. Size of cuts _____
12. If screen was installed: Len
13. Method of construction ___
14. Date started _____
Month
15. Date completed _____
Mo
16. Depth to water
17. Describe po
available

18. If

Date .....

Driller .....

I hereby certify that this well was drilled by me (or under my supervis
herein contained are true to the best of my knowledge and belief.

2-73

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

FROM (FEET)	TO (FEET)	DESCRIPTION OF FORMATION MATERIAL

PHOENIX

ACTIVE MANAGEMENT AREA

OFFICIAL APPLICATION FORMS

FOR

GRANDFATHERED GROUNDWATER RIGHTS

STATE OF ARIZONA

DEPARTMENT OF WATER RESOURCES

P. O. Box 2600

Phoenix, Arizona 85002

COMPLETED APPLICATIONS MUST BE MAILED BY
SEPTEMBER 14, 1981

YOUR GROUNDWATER RIGHTS

The future use of groundwater by current water users may depend on acquiring a Certificate of Grandfathered Right. This information will help you to decide if you need to apply for a certificate. Read it carefully.

A NEW SYSTEM OF GROUNDWATER RIGHTS FOR ARIZONA

For years Arizonans have been using water more rapidly than nature has replenished it. This has been possible only through massive withdrawals of water banked as groundwater reserves in the long distant past. Groundwater – that is, water withdrawn from beneath the ground – accounts for about two thirds of the water used in Arizona. In many parts of the State, these massive withdrawals, or "overdrafts", of groundwater have led to higher costs of pumping groundwater, earth cracks and the deterioration of water quality. After years of increasing concern for these problems, the Arizona Legislature passed the Arizona Groundwater Management Act. Governor Bruce Babbitt signed the Act into law on June 12, 1980.

In passing this new law, the Legislature declared that "in the interest of protecting and stabilizing the general economy and welfare of this state and its citizens it is necessary to conserve, protect and allocate the use of groundwater resources of the state and to provide a framework for the comprehensive management and regulation of . . . groundwater (uses) . . ." 1. This Act established the Department of Water Resources (DWR) and gave it the responsibility to regulate water rights and develop long-range water management plans for the State. The Act also established four Active Management Areas (AMAs) in parts of the State in need of immediate groundwater management: the Phoenix, Tucson, Pinal and Prescott Active Management Areas. In these areas, the DWR must prepare long-term water conservation programs, with the help of local Groundwater Users Advisory Councils. Additionally, the Act created a new system of groundwater rights for Active Management Areas, which includes:

1. Grandfathered Rights – a way for persons who have been pumping or using groundwater to preserve their right to continue to use groundwater;
2. Withdrawal Permits – a way for new non-irrigation users of groundwater to obtain the right to withdraw groundwater; and
3. Service Area provisions – a way for cities, towns, private water companies and irrigation districts to continue to serve their customers within their service areas.

This booklet concerns only the first category of rights – GRANDFATHERED RIGHTS. It includes a brief explanation of the three different kinds of grandfathered rights, an application form for each kind of grandfathered right and instructions for filling out the applications. You may be eligible to apply for one or more kind of right; or you may not need to apply at all. Read this explanation carefully before deciding. The deadline for filing applications is September 14, 1981. If you have questions, contact the DWR by mail or by calling the telephone numbers below.

FOR QUESTIONS ABOUT GRANDFATHERED RIGHTS, CALL:

255-1546 **Phoenix Area**

1-800-352-5464 **Outside Phoenix Area**

WHAT IS A "GRANDFATHERED RIGHT"?

A grandfathered right is a right to withdraw groundwater which is based on the fact that a person was legally withdrawing and using groundwater prior to the establishment of the Active Management Areas (June 12, 1980). The Groundwater Management Act provides that all existing legal users of groundwater will be allowed to continue to use groundwater, and it provides a means of "quantifying" or determining the amount of these historical rights. There are three kinds of grandfathered rights: IRRIGATION GRANDFATHERED RIGHTS, TYPE 1 NON-IRRIGATION GRANDFATHERED RIGHTS, and TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHTS. An irrigation use is defined in the Act as commercial agricultural irrigation. A non-irrigation use is defined in the Act as any use other than commercial agricultural irrigation.

THE ACT SPECIFIES THAT A PERSON WHO WISHES TO CLAIM A GRANDFATHERED RIGHT BUT WHO FAILS TO FILE AN APPLICATION FOR A RIGHT BY SEPTEMBER 14, 1981, WAIVES AND RELINQUISHES THE RIGHT TO WITHDRAW OR RECEIVE AND USE GROUNDWATER, PURSUANT TO A GRANDFATHERED RIGHT.[2] However, in deciding whether to file, bear in mind the following:

1. CITIES, TOWNS AND PRIVATE WATER COMPANIES MAY PUMP AS MUCH WATER AS IS NECESSARY TO MEET THE NEEDS OF LANDOWNERS AND RESIDENTS WITHIN THEIR SERVICE AREAS, SUBJECT TO CONSERVATION REQUIREMENTS.[3] **PERSONS RECEIVING GROUNDWATER FROM CITIES, TOWNS OR PRIVATE WATER COMPANIES FOR NON-IRRIGATION USES DO NOT NEED TO FILE A GRANDFATHERED RIGHT TO BE ENTITLED TO USE THE GROUNDWATER DELIVERED BY THE CITY, TOWN OR PRIVATE WATER COMPANY.**

2. PERSONS WITHDRAWING GROUNDWATER ONLY FROM "EXEMPT" WELLS WILL NOT WAIVE OR RELINQUISH THE RIGHT TO WITHDRAW GROUNDWATER BY FAILURE TO FILE FOR A GRANDFATHERED RIGHT.[4] **AN "EXEMPT" WELL IS A WELL WHICH IS USED FOR DOMESTIC PURPOSES, INCLUDING THE NON-COMMERCIAL IRRIGATION OF NOT MORE THAN ONE ACRE OF LAND, AND WHICH HAS A MAXIMUM PUMP CAPACITY OF 35 GALLONS PER MINUTE OR LESS.**[5]

After the deadline for filing applications has passed, a registry of all applications will be established and will be open for public inspection at the DWR. There will be a period during which objections to applications may be filed by residents of the Active Management Area. The DWR will review each application, and may consult with the applicant or request additional information from the applicant before making its determination. The DWR may conduct investigations and hold hearings to determine if the information in the application is correct and sufficient to issue a Certificate of Grandfathered Right. The Department will issue Certificates to all persons whose applications meet the requirements for a grandfathered right.

THE IRRIGATION RIGHT

An irrigation grandfathered right is the right to use groundwater to irrigate land for commercial agricultural production.[6] In the four Active Management Areas only land which was irrigated some time between January 1, 1975, and January 1, 1980, may be irrigated in the future.[7] Only acres of land which have this history of irrigation are eligible for a grandfathered right.

The maximum amount of groundwater which may be used on the land each year will be determined by the Department according to provisions of the Act, after consultation with farmers, Area Groundwater Users Advisory Councils and technical consultants. The irrigation grandfathered right is owned by the owner of the irrigated land. The State Land Department will be filing applications for all land which it leases for irrigation.

THE TYPE 1 NON-IRRIGATION RIGHT

A Type 1 non-irrigation grandfathered right is based on the fact that land which had been legally irrigated has been retired from irrigation in order to conserve or use groundwater for a specific non-irrigation purpose. A person who has retired legally irrigated land has the right to withdraw from this land up to three acre-feet/acre/year.[8]

A person claiming a Type 1 non-irrigation right must have owned the land since the date it was retired from irrigation, must be able to show evidence that the land was retired for the stated non-irrigation use and must meet other statutory criteria. A person who owns irrigated land may retire that land after the establishment of the Active Management Area (June 12, 1980) and apply for a Type 1 non-irrigation right, but only if the land is outside the exterior boundaries of the service area of any city, town or private water company.[9]

THE TYPE 2 NON-IRRIGATION RIGHT

A Type 2 non-irrigation grandfathered right is based on the user's historical withdrawals rather than on land acreage. The amount of the right is based on the maximum amount withdrawn and used in any one year of the five years preceding June 12, 1980, to the extent that amount exceeds the amount of any Type 1 right claimed.[10] The Type 2 right is owned by the owner of the land from which the groundwater is withdrawn, but the user of the water, if different from the owner of the land, may apply for the right on behalf of the landowner. A person may apply for a Type 2 right for one well or for a group of wells operated conjunctively, that is, in connection with the same distribution system.

FILING FEE

Each application filed must be accompanied by a filing fee of $20.00. Make checks payable to the Department of Water Resources.

FILING THE APPLICATION

Completed application forms must be mailed to: State of Arizona, Department of Water Resources, P.O. Box 2600, Phoenix, Arizona 85002, and postmarked no later than September 14, 1981.

References to Groundwater Management Act

1 Section 45–401, Arizona Revised Statutes
2 Section 45–477, Arizona Revised Statutes
3 Section 45–492, Arizona Revised Statutes
4 Section 45–454, Arizona Revised Statutes
5 Section 45–402, Arizona Revised Statutes
6 Section 45–465, Arizona Revised Statutes
7 Section 45–452, Arizona Revised Statutes. In areas of an Active Management Area which were not part of a critical groundwater area under prior statutory law, land is deemed to have been in irrigation if substantial capital investment had been made for the subjugation of that land and if the drilling of irrigation wells had been commenced prior to June 12, 1980.
8 Section 45–463, Arizona Revised Statutes
9 Section 45–469, Arizona Revised Statutes
10 Section 45–464, Arizona Revised Statutes

GENERAL INSTRUCTIONS

FOR

COMPLETING APPLICATION FORMS

1. Read "Your Groundwater Rights" and all instructions before filling out any application form.

2. **A PERSON WHO CLAIMS A GRANDFATHERED RIGHT BUT WHO FAILS TO FILE AN APPLICATION FOR A RIGHT BY SEPTEMBER 14, 1981, WAIVES AND RELINQUISHES THE RIGHT TO WITHDRAW OR RECEIVE AND USE GROUNDWATER. (A.R.S. § 45-477)**

3. Applications must be filled in completely.

   * If an item on the application is not applicable, write NA by the item.

   * If any information is unobtainable, please indicate and explain.

   * If a complete answer to an item cannot be given in the space provided on the application form, attach additional 8½ x 11 sheets of paper as needed. Number your answer to correspond to the applicable item on the application and record your name and address on each sheet.

4. Applications must be accompanied by a filing fee of $20.00. Make checks payable to the Department of Water Resources.

5. **MAIL COMPLETED APPLICATIONS TO:**

   STATE OF ARIZONA
   DEPARTMENT OF WATER RESOURCES
   P.O. BOX 2600
   PHOENIX, ARIZONA 85002

   NO APPLICATIONS WILL BE ACCEPTED IF POSTMARKED AFTER SEPTEMBER 14, 1981.

6. Additional Grandfathered Rights Booklets and individual application forms can be obtained by contacting the Department of Water Resources.

IF YOU HAVE ANY QUESTIONS ON GRANDFATHERED RIGHTS, CALL:

255-1546	**Phoenix Area**
1-800-352-5464	**Outside Phoenix Area**

IRRIGATION GRANDFATHERED RIGHT

The following pages are the application forms and instructions for an IRRIGATION GRANDFATHERED RIGHT. Before filling out the application, read each item on the four page application form along with the appropriate comments on the instruction sheet.

For some items, the instruction sheet will tell you of additional information which must be submitted with the application. Be sure to make note of these requirements and include any necessary documents when mailing the completed application. If an application item is not referred to on the instruction sheet, it means that this item is considered to be self-explanatory.

When you have filled out the application form, tear the pages along the perforated line and have the application notarized by a Notary Public. Mail the notarized application, along with any additional sheets of paper and the filing fee, to the Department of Water Resources.

You may file separate application forms for non-contiguous parcels of land. Additional forms are available from the Department. Keep this booklet for instructions.

IRRIGATION GRANDFATHERED RIGHT

INSTRUCTIONS
FOR COMPLETING APPLICATION

ITEM 1. Type or print the name of the applicant as it appears on land ownership documents. This is the name that will appear on the Certificate of Grandfathered Right.

ITEM 2. The legal description must include all land for which a right is being claimed on this application. You may claim a right only for land which you own. You may file separate applications if part of your land is not contiguous. If you are irrigating land which you do not own, the owner of those acres must file an application for those acres. The State Land Department will be filing applications for all land which it leases for irrigation. The legal description should be in the form of the following examples:

NE¼ NW¼ SW¼ SECTION 1, TOWNSHIP 12S, RANGE 11E;
PIMA COUNTY, ARIZONA, OR

SECTIONS 1, 2 AND 3, TOWNSHIP 12S, RANGE 11E;
PIMA COUNTY, ARIZONA

ITEM 4. Record the location of each well used to irrigate the land, including wells which you do not own. If your land is served by an irrigation district and it is not served by any wells other than those owned or operated by the district, write NA after Item 4 and do not fill out.

ITEM 6. Check Yes if:

a. you obtain water only from your own well;
b. you obtain water only from an irrigation district which owns wells but which has no surface water source;
c. you obtain water only from a well owned jointly with other landowners or owned by a neighboring landowner; or
d. any combination of the above circumstances.

Check No if:

a. you have the right to appropriate surface water;
b. you receive water from an irrigation district which has a surface water source in addition to groundwater; or
c. you receive water from an irrigation district and you are not sure what the district's source of water is.

ITEM 8. The name and address of the previous owner of the land is needed:
(1) to aid in obtaining information which may not be known by the current owner; and
(2) to aid in finding well records which may be filed under the previous owner's name.
If certain parcels of the land were purchased from different owners since January 1, 1975, give, for each parcel, the legal description, name and address of the previous owner and the date of purchase.

ITEM 9. This information is needed to assist in the determination of the maximum amount of water which may be used on the farm. Indicate the method of irrigation which was used for each crop in 1979, for example, flood, sprinkler, furrow, drip, basin or other method. If you need additional space to be specific on cropping patterns and irrigation methods, attach additional sheets of paper.

ITEM 10. The amount of groundwater you will be allowed to use by your grandfathered right will be determined on the basis of the amount of water reasonably required to irrigate the crops historically grown, as well as on the basis of the number of acres irrigated in past years. The information from these questions will help us to determine reasonable levels of water use for various crops. Be as accurate as possible. If the amount of groundwater use was measured, indicate the method of measurement and recordation. If estimates are made, attach supporting computations including data, coefficients used, and assumptions. If part of your water supply is recycled return flow or another recycled source and you wish to provide more information about it, do so in the space for comments.

ITEM 11. The purpose of this question is to determine which conservation practices are currently in use. "Land levelling" means any method of levelling, including methods other than laser levelling. If you are using a method not listed, you may identify this in the space for comments and indicate the percentage of the farm operation affected.

ITEM 13. You may draw the map in any scale sufficient to show the land for which the right is being claimed.

For Department use only

Application No._____
Registry No._____
Filed_____at_____
Certificate No._____

PHOENIX

ACTIVE MANAGEMENT AREA

APPLICATION FOR IRRIGATION GRANDFATHERED RIGHT

Read all instructions before filling out form.
Filing Fee: $20

1._____
Last Name First Middle or Initial

_____
Last Name First Middle or Initial

_____
Mailing Address City State Zip

NOTE: This form is to be filled out only for acres which you own. If you lease farm land, make sure that the owner of the leased land or his authorized agent is aware of the requirement to file for that land.

2. Legal description of all land presently owned by applicant in the Active Management Area which was legally irrigated at any time between January 1, 1975 and January 1, 1980.

_____

_____

_____

3. Total number of acres in Item 2:_____

4. Describe the location of each well used to irrigate the land. Indicate as accurately as possible the year the well was drilled.

_____ ¼, _____ ¼, _____ ¼, Section _____ Township _____ Range _____ Year _____

_____ ¼, _____ ¼, _____ ¼, Section _____ Township _____ Range _____ Year _____

_____ ¼, _____ ¼, _____ ¼, Section _____ Township _____ Range _____ Year _____

_____ ¼, _____ ¼, _____ ¼, Section _____ Township _____ Range _____ Year _____

5. Is the land served by an irrigation district, agricultural improvement district or irrigation water delivery district?_____Yes _____No
If so, give name of district and point of diversion:_____

_____

6. Is groundwater the sole source of water? _____Yes _____No

7. If water sources other than groundwater are used, indicate the basis on which those supplies are available to you; for example: court decree, delivery contract, surface water appropriation, contract for sewage effluent, etc. Be as specific as possible.

_____

_____

_____

_____

8. Have you owned the land since January 1, 1975? _____ Yes _____ No. If not, list below the name and address of the previous owner of the land and the date of purchase.

_____

_____

9. Indicate the crops grown, the number of acres planted in each crop and the total number of acres planted in each year. **Do not count double cropped acres twice in the last column.** Indicate irrigation methods used for each crop for 1979 only.

	crops grown	# acres in crop	irrigation method	total # acres planted
1979				
1978				
1977				
1976				
1975				

If additional space is needed, attach additional sheet of paper

10. Indicate the amount of water used from each source in each of the five years (acre-feet).

	1975	1976	1977	1978	1979
groundwater					
surface water					
sewage effluent					

The above amounts are ☐ measured ☐ estimated. See instructions for documentation requirements.

COMMENTS: _____

_____

11. Do you make use of any of the following?

	Yes	No
Lined ditches or pipes	☐	☐
Pump-back system	☐	☐
Land levelling	☐	☐
Other	☐	☐

Percentage of ditches lined _____
Number of acres served _____
Number of acres levelled _____
Number of acres affected _____

COMMENTS: _____

_____

12. Indicate the source of the data included in this application. (All sources must be available for inspection by the Department.)

☐ Agricultural Stabilization and Conservation Service (ASCS) ☐ Farm Records ☐ Other

☐ Irrigation District Records ☐ County Agent Records

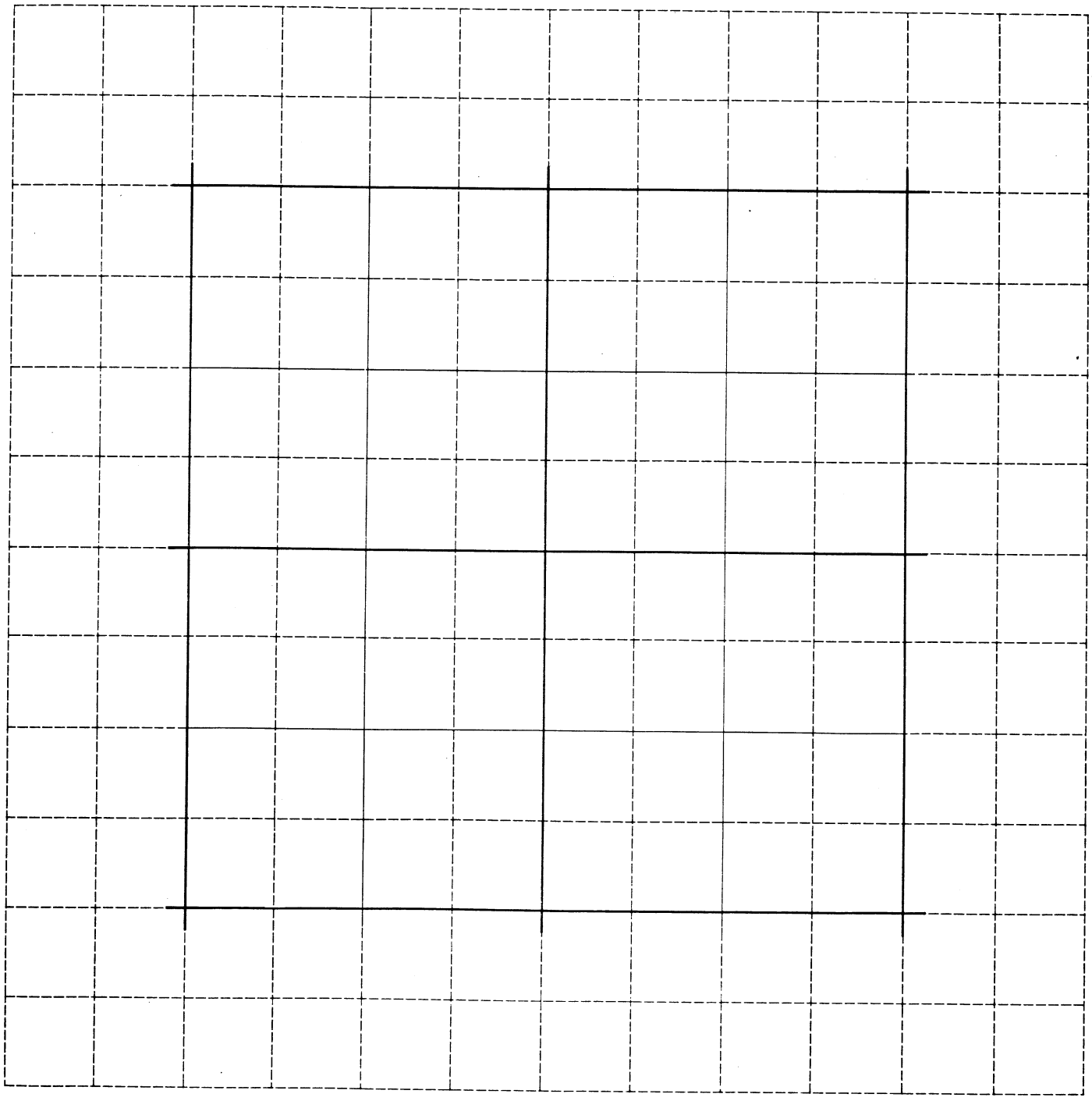
If other is checked, please identify the source of the data. _____

_____

_____

13. On the grid below, draw a map of the land described in Item 2 and indicate the location of the wells described in Item 4. Indicate the scale of the map in the space below.

SEC. TWP.
RGE.
N



YOUR FUTURE USE OF GROUNDWATER DEPENDS ON WHETHER THE INFORMATION IN THIS FORM IS COMPLETE AND CORRECT.

I, (We), _____ the applicant(s) named in this application, do hereby certify under the penalty of perjury, that the information contained, and statements made herein are to the best of my (our) knowledge and belief true, correct and complete.

DATED this _____ day of _____, 19___.

If owner is an individual, sign here:

_____ _____
Telephone number Owner or authorized agent

_____

_____
Mailing Address City State Zip

If owner is a corporation, partnership, association, etc., sign here:

_____ _____
Telephone number Owner or authorized agent

_____
Title

_____
Mailing Address City State Zip

Subscribed and sworn to before me this _____ day of _____, 19___.

_____
Notary Public

or

_____
Authorized Personnel of the
Department of Water Resources

_____
My Commission Expires:

Do not write below this line.

Application is: ____Rejected ____Returned for: Completion_____ Correction_____ Other_____ ____Approved for Receipt _____	Application is: ____Rejected ____Returned for: Completion_____ Correction_____ Other_____ ____Approved for Receipt _____

TYPE 1 NON-IRRIGATION GRANDFATHERED RIGHT

The following pages are the application form and instructions for a TYPE 1 NON-IRRIGATION GRANDFATHERED RIGHT. Before filling out the application, read each item on the four page application form along with the appropriate comments on the instruction sheet.

For some items, the instruction sheet will tell you of additional information which must be submitted with the application. Be sure to make note of these requirements and include any necessary documents when mailing the completed application. If an application item is not referred to on the instruction sheet, it means that this item is considered to be self-explanatory.

When you have filled out the application form, tear the pages along the perforated line and have the application notarized by a Notary Public. Mail the notarized application, along with any additional sheets of paper and the filing fee, to the Department of Water Resources.

You may file separate application forms for non-contiguous parcels of retired land. Additional forms are available from the Department. Keep this booklet for instructions.

TYPE 1 NON-IRRIGATION GRANDFATHERED RIGHT

INSTRUCTIONS
FOR COMPLETING APPLICATION

ITEM 1. Type or print the name of the applicant as it appears on land ownership documents. This is the name tha will appear on the Certificate of Grandfathered Right.

ITEM 2. The legal description must include all lands for which a right is being claimed on this application. The lega description should be in the form of the following examples:

NE¼ NW¼ SW¼, SECTION 1, TOWNSHIP 12S, RANGE 11E;
PIMA COUNTY, ARIZONA.

ITEM 4. Record the location of each well which was used to irrigate the land, including wells which you do not own. If your land is served by an irrigation district and it is not served by any wells other than those owned or operated by the district, write NA after Item 4 and do not fill out.

ITEM 6. "Same ownership" is defined in Section 45–461, paragraph 4, Arizona Revised Statutes as:

> "ownership by the same person or entity or by successor persons or entities as a result of succession to heirs and personal representatives, corporate and partnership reorganizations, mergers, dissolutions, divestitures, partnerships, partitions, joint ventures, foreclosures, receivership or bankruptcy, purchase of capital stock, sale pursuant to United States Code, title 11, or similar succession, but not by outright sale to a bona fide purchaser for value where no portion of or beneficial interest in the successor ir interest is retained by the original owner, its shareholders, partners, limited partners or beneficiaries."

Evidence of "same ownership" may include tax statements, a title search or other similar documents.

ITEM 9. A non-irrigation use is any use other than commercial agricultural irrigation.

ITEM 10. Indicate the type of non-irrigation use for which the land was retired, such as residential development o electrical energy generation, and give the name and address of the enterprise if different than that of the applicant.

ITEM 12. Evidence of substantial capital commitments may include partial construction of facilities, non-irrigation improvements of the land and payment for professional services in connection with the non-irrigation use.

ITEM 13. Enclose evidence sufficient to show that:

(1) The land was retired from irrigation for the purpose of conserving or using water for the non-irrigation use described in this application; and,

(2) The intention to use or conserve such water for that non-irrigation use existed at the time the lanc was retired. Evidence of (1) or (2) may include:

- An existing master plan for development of the non-irrigation use;
- A plat map of subdivided or unsubdivided land which has been or will be filed with a city or county or the State Real Estate Department;
- Correspondence or documents indicating an attempt by the owner to have the land zoned or rezoned or to obtain a zoning variance, special exception or amendment to a land use control ordinance which would have the effect of allowing the proposed non-irrigation use;
- A permit for construction of residential, commercial or industrial buildings which are part of or contributory to the non-irrigation use;
- Documents indicating the land was officially reclassified from agricultural use to another land use;
- "Purpose" statement in any existing partnership, joint venture, or corporate documents recorded in the County Recorder's Office which indicates that the non-irrigation use was the purpose of the retirement of the land;
- Dated and signed memoranda, correspondence or opinions indicating that the land in question has been retired for a non-irrigation use;
- Financing arrangements for the proposed non-irrigation use; or
- Other pertinent information.

ITEM 14. You may draw the map in any scale sufficient to show the retired land for which the right is being claimed.

For Department use only

Application No._____
Registry No._____
Filed_____ at_____
Certificate No._____

PHOENIX
ACTIVE MANAGEMENT AREA

APPLICATION FOR TYPE 1 NON-IRRIGATION GRANDFATHERED RIGHT

Read all instructions before filling out form.
Filing Fee: $20

1._____
Last Name First Middle or Initial

_____
Last Name First Middle or Initial

_____
Mailing Address City State Zip

2. Legal description of land presently owned by applicant in the Active Management Area which was legally entitled to be irrigated with groundwater and was retired from irrigation by the applicant after January 1, 1965.

_____
_____
_____

3. Total number of acres described in Item 2_____.

4. Describe the location of each well which was used to irrigate the land. Indicate as accurately as possible the year the well was drilled.

_____ ¼, _____ ¼, _____ ¼, Section _____ Township _____ Range _____ Year _____
_____ ¼, _____ ¼, _____ ¼, Section _____ Township _____ Range _____ Year _____
_____ ¼, _____ ¼, _____ ¼, Section _____ Township _____ Range _____ Year _____
_____ ¼, _____ ¼, _____ ¼, Section _____ Township _____ Range _____ Year _____

5. On what date did the applicant assume ownership of the land described in Item 2?

_____/_____/_____
DAY MONTH YEAR

6. Has the land been held under the same ownership since it was retired from irrigation?_____Yes_____No
If yes, enclose evidence to show same ownership.

7. In what year was the land last irrigated? _____

8. If irrigated in 1980, was the land irrigated after June 12, 1980? ☐ Yes ☐ No.

9. Was the land retired from irrigation in anticipation of a non-irrigation use? ☐ Yes ☐ No.
If no, explain why the land was retired._____
_____

10. If the answer to Item 9 is yes, identify the non-irrigation use for which the land was retired.
_____
_____

11. Was the non-irrigation use described in Item 10 in existence as of June 12, 1980? ☐ Yes ☐ No

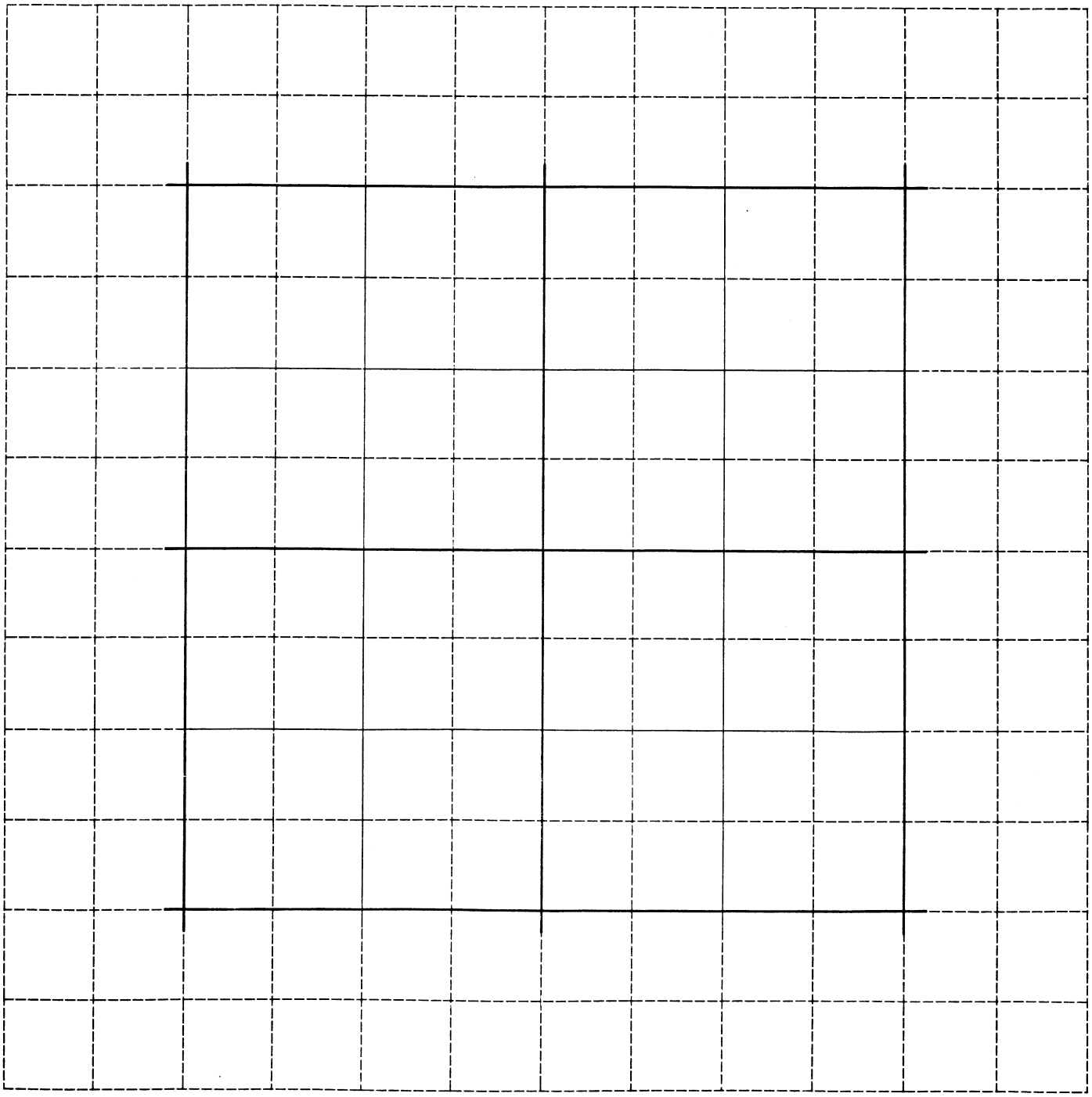
If yes, enclose evidence to show that the use was in existence as of June 12, 1980.

12. If the answer to Item 11 is no, had substantial capital commitments been incurred for the non-irrigation use described in Item 10 as of June 12, 1980? ☐ Yes ☐ No
If yes, enclose evidence to show substantial capital commitments.

13. If the answers to Items 11 and 12 are no, enclose evidence to show that the land was retired from irrigation for the non-irrigation use described in Item 10.

14. On the grid below, draw a map of the land described in Item 2 and indicate the location of the wells described in Item 4. Indicate the scale of the map in the space below.

SEC. TWP. RGE.



YOUR FUTURE USE OF GROUNDWATER DEPENDS ON WHETHER THE INFORMATION IN THIS FORM IS COMPLETE AND CORRECT.

I, (We), _____ the applicant(s) named in this application, do hereby certify under the penalty of perjury, that the information contained, and statements made herein are to the best of my (our) knowledge and belief true, correct and complete.

DATED this _____ day of _____, 19___.

If owner is an individual, sign here:

_____ _____
Telephone number Owner or authorized agent

_____

_____
Mailing Address City State Zip

If owner is a corporation, partnership, association, etc., sign here:

_____ _____
Telephone number Owner or authorized agent

_____
Title

_____
Mailing Address City State Zip

Subscribed and sworn to before me this _____ day of _____, 19___

_____
Notary Public

(NOTARY SEAL HERE)

or

_____
Authorized Personnel of the Department of Water Resources

_____
My Commission Expires:

Do not write below this line.

Application is:	Application is:
____Rejected	____Rejected
____Returned for:	____Returned for:
Completion_____	Completion_____
Correction_____	Correction_____
Other_____	Other_____
____Approved for Receipt	____Approved for Receipt
_____	_____

TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHT

The following pages are the application form and instructions for a TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHT. Before filling out the application, read each item on the four page application form along with the appropriate comments on the instruction sheet.

For some items, the instruction sheet will tell you of additional information which must be submitted with the application. Be sure to make note of these requirements and include any necessary documents when mailing the completed application. If an application item is not referred to on the instruction sheet, it means that this item is considered to be self-explanatory.

When you have filled out the application form, tear the pages along the perforated line and have the application notarized by a Notary Public. Mail the notarized application, along with any additional sheets of paper and the filing fee, to the Department of Water Resources.

TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHT

INSTRUCTIONS
FOR COMPLETING APPLICATION

ITEM 1. Type or print the name of the owner of the land from which groundwater is being withdrawn, as it appears on land ownership documents. This is the name that will appear on the Certificate of Grandfathered Right.

A Type 2 Non-Irrigation Grandfathered Right is owned by the owner of the land from which the water i withdrawn. However, the person using the water, if different from the owner of the land, may file an application on behalf of the owner. If you withdraw water both from wells on land you own and from wells on land you do not own, separate applications must be filed for each category of wells, even if the wells ar operated conjunctively. Where separate applications are being filed for this reason and the wells are operated conjunctively, indicate on an attached sheet of paper.

ITEM 2. Include the legal description of the land from which all groundwater withdrawals being claimed on thi application are made. The legal description should be in the form of the following examples:

NE¼ NW¼ SW¼, SECTION 1, TOWNSHIP 12S, RANGE 11E;
PIMA COUNTY, ARIZONA, OR

SECTIONS 1, 2 and 3, TOWNSHIP 12S, RANGE 11E;
PIMA COUNTY, ARIZONA.

ITEM 3. If the location for the use of groundwater is the same as that described in Item 2, write SAME.

ITEM 5. Indicate the general type of non-irrigation use for which the groundwater is withdrawn, such as a dairy or electrical energy generation, and give the name and address of the enterprise or user, if different from that of the applicant.

ITEM 6. The amount of the Type 2 non-irrigation right is based on the maximum amount of groundwater withdrawn and used in any one year of the five years preceding June 12, 1980, to the extent that amount exceeds the amount of any Type 1 right claimed. Choose the 12-month period in which the highest amount of ground water was withdrawn from the well or wells indicated in Item 4, and set forth the total amount of ground water withdrawn in that period.

ITEM 7. If the amount of groundwater was measured, indicate the method of measurement and recordation. If an estimate is made, attach supporting computations including data, coefficients used and assumptions.

ITEM 8. If the applicant owns a facility which was in existence as of June 12, 1980, but was using groundwater for less than one year during the 12-month period prior to June 12, 1980, the amount of the Type 2 right will be an amount determined by the Director to be reasonable to meet the yearly requirements of the facility.

ITEM 9. An applicant claiming a Type 1 non-irrigation right and filing an application for a Type 2 non-irrigation right is entitled to a Type 2 right only to the extent that the maximum amount of groundwater withdrawn in any one of the five years exceeds the amount of the Type 1 right being claimed.

ITEM 10. If the user of the groundwater being withdrawn is different than the owner of the land, either the user or the owner may file for the Type 2 right on behalf of the owner of the land. However, filing shall not confer any right upon the user. The Type 2 right is owned by the owner of the land.

ITEM 11. You may draw the map in any scale sufficient to show the location of the groundwater withdrawals for which the Type 2 right is being claimed.

For Department use only

Application No._____
Registry No._____
Filed_____at_____
Certificate No._____

ACTIVE MANAGEMENT AREA

APPLICATION FOR TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHT

Read all instructions before filling out form.
Filing Fee: $20

1. _____
Last Name First Middle or Initial

_____
Last Name First Middle or Initial

_____
Mailing Address City State Zip

2. Legal description of the land owned by the person named in Item 1 from which groundwater is being withdrawn in the Active Management Area. _____

3. Legal description of location of use of groundwater withdrawn. _____

4. Describe the location of each well from which the groundwater under the claimed Type 2 right is being withdrawn.

_____ ¼, _____ ¼, _____ ¼, Section _____ Township _____ Range _____
_____ ¼, _____ ¼, _____ ¼, Section _____ Township _____ Range _____
_____ ¼, _____ ¼, _____ ¼, Section _____ Township _____ Range _____
_____ ¼, _____ ¼, _____ ¼, Section _____ Township _____ Range _____

5. Identify the non-irrigation use for which the groundwater is withdrawn _____

6. Set forth the total maximum amount of groundwater legally withdrawn from the land, from the well or wells indicated in Item 4 in any one of the following 12-month periods (in acre-feet or gallons).

a) June 12, 1975 to June 11, 1976 _____
b) June 12, 1976 to June 11, 1977 _____
c) June 12, 1977 to June 11, 1978 _____
d) June 12, 1978 to June 11, 1979 _____
e) June 12, 1979 to June 11, 1980 _____

Acre-Feet
Gallons

7. The above amounts are ☐ measured ☐ estimated.
See instructions for documentation requirements.

8. If groundwater was used for less than 12 months in the 12-month period prior to June 12, 1980, for a facility owned by the applicant in existence as of June 12, 1980, indicate:

   a) The date the use was commenced _____

   b) The number of months groundwater was withdrawn prior to June 12, 1980_____

   c) The estimated annual groundwater requirement for the facility (acre-feet or gallons)_____

9. Is the person withdrawing groundwater also applying for a Type 1 non-irrigation grandfathered right? ☐ Yes ☐ No

   If Yes is checked, enclose a reproduced copy of the application for a Type 1 Right. Documents required to be submitted with Type 1 application should not be enclosed.

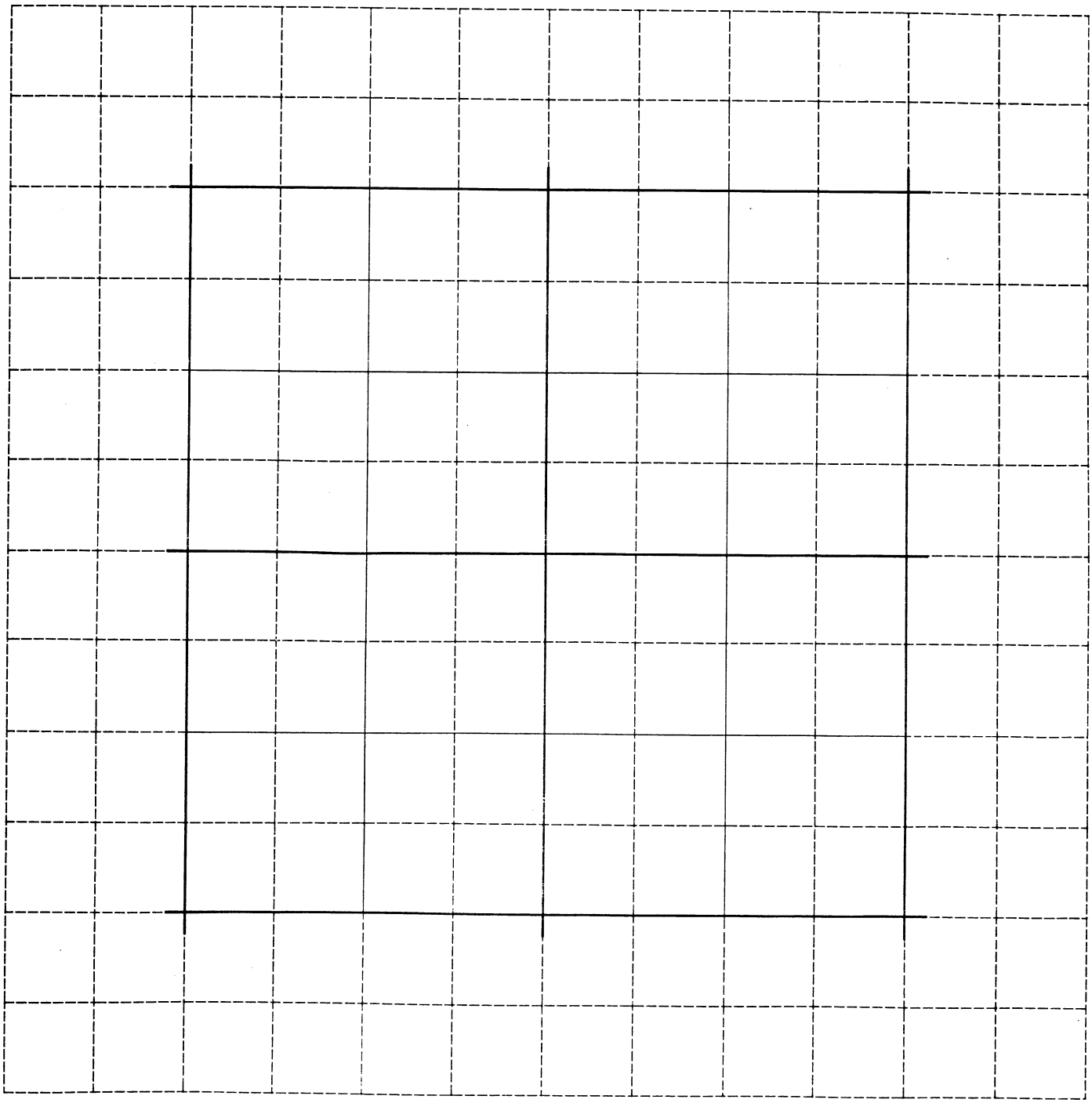
10. Person filing application is:

   ☐ owner of land described in Item 2.

   ☐ user of water other than owner of land described in Item 2.

11. On the grid below, draw a map of the land described in Item 2 and indicate the location of the wells described in Item 4. Indicate the scale of the map in the space below.

SEC. _____ TWP. _____
RGE. _____
N



YOUR FUTURE USE OF GROUNDWATER DEPENDS ON WHETHER THE INFORMATION IN THIS FORM IS COMPLETE AND CORRECT.

I, (We),_____the applicant(s) named in this application, do hereby certify under the penalty of perjury, that the information contained, and statements made herein are to the best of my (our) knowledge and belief true, correct and complete.

DATED this_____day of_____, 19__.

If owner/user is an individual, sign here:

_____ Telephone number

_____ Owner or authorized agent

_____

_____ User of water, if filing for landowner.

_____ Mailing Address City State Zip

If owner/user is a corporation, partnership, association, etc., sign here:

_____ Telephone number

_____ Owner or authorized agent

_____ Title

_____ User of water, if filing for landowner.

_____ Mailing Address City State Zip

Subscribed and sworn to before me this_____day of_____, 19__.

_____ Notary Public

NOTARY SEAL HERE

or

_____ Authorized Personnel of the Department of Water Resources

_____ My Commission Expires:

Do not write below this line.

Application is: ____Rejected ____Returned for: Completion_____ Correction_____ Other_____ ____Approved for Receipt	Application is: ____Rejected ____Returned for: Completion_____ Correction_____ Other_____ ____Approved for Receipt

THIS BOOKLET CONTAINS OFFICIAL APPLICATION FORMS FOR GRANDFATHERED GROUNDWATER RIGHTS, INSTRUCTIONS FOR COMPLETING THE APPLICATIONS, AS WELL AS INFORMATION TO HELP YOU DECIDE IF YOU NEED TO FILE FOR THESE WATER RIGHTS.

COMPLETED APPLICATIONS MUST BE MAILED BY SEPTEMBER 14, 1981 TO:

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
P.O. BOX 2600
PHOENIX, ARIZONA 85002

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
P.O. BOX 2600
PHOENIX, ARIZONA
85002

FIRST CLASS MAIL
U.S. POSTAGE
PAID
PHOENIX, ARIZONA
PERMIT NO. 505

TO:

DEPARTMENT OF WATER RESOURCES
99 East Virginia
Phoenix, Arizona 85004

Registration No._____
Owner of
Well Site_____

File No._____

COMPLETION REPORT

1. Completion Report to be filed with the Department within 30 days after installation of pump equipment.

2. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.

3. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.

4. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.

LOCATION OF THE WELL

_____.

Date Well Completed_____ Depth of Well_____

1. Well Test:
Test Pumping Capacity _____ Date Well Tested_____
(Gal. per min.)
Method of Discharge Measurement_____
(weir, orifice, current meter, etc.)

Static Groundwater Level_____ft. Drawdown_____ft.
Total Pumping Lift _____ft. Drawdown_____lbs.
(Flowing Well)

2. Equipment Installed:

Kind of Pump_____
(turbine, centrifugal, etc.)

Kind of Power_____ H.P. Rating of Motor_____
(Elec., Nat. Gas, Etc.)

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief.

_____
Signature

_____
Address

_____, 19____
Date

_____
City State Zip