

SPECIAL WASTE-FORM LYSIMETERS - ARID

1984-1992 DATA SUMMARY AND
PRELIMINARY INTERPRETATION

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ABSTRACT

A lysimeter facility constructed at the Hanford Site in south-central Washington State has been used since 1984 to monitor the leaching of buried waste forms under natural conditions. The facility is generating data that are useful in evaluating source-term models used in radioactive waste transport analyses. The facility includes ten bare-soil lysimeters (183 cm diameter by 305 cm depth) containing buried waste forms generated at nuclear reactors in the United States and solidified with Portland III cement, masonry cement, bitumen, and vinyl-ester styrene. The waste forms contained in the lysimeters have been leached under natural, semiarid conditions. In spite of the semiarid conditions, from 1984 through 1992, an average of 45 cm of water leached through the lysimeters, representing 27% of area precipitation. Leachate samples have been routinely collected and analyzed for radionuclide and chemical content. To date, tritium, cobalt-60, and cesium-137 have been identified in the lysimeter leachate samples. From 1984 through 1992, over 4000 μCi of tritium, representing 76 and 71% of inventory (not decay corrected), have been leached from the two waste forms containing tritium. Cobalt-60 has been found in the leachate from all six of the waste forms that originally contained >1 mCi of inventory. The leached amounts of cobalt-60 represent $<0.1\%$ of original cobalt inventories. Mobile cobalt is believed to be chelated with organic compounds, such as ethylenediaminetetraacetic acid (EDTA), that are present in the waste. Trace amounts of cesium-137 have occasionally been identified in leachate from two waste forms since 1991. Qualitatively, the field leaching results confirm laboratory studies suggesting that tritium is readily leached from cement, and that cobalt-60 is generally leached more easily from cement than from vinyl-ester styrene. These data form a comprehensive (both radionuclide and chemical analyses) and long-term (10-year) data set that is available for validating source-term models required for the assessment of burial site performance. The data also suggest that empirical source-term models should predict leaching based on the amount of water flowing past the waste form, not based on time.

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1.0 INTRODUCTION

Federal regulations [10 CFR 61 (NRC 1986); DOE Order 5820.2A (DOE 1988)] prohibit the near-surface disposal of low-level radioactive waste in a liquid form. Consequently, generators of low-level waste, such as commercial power reactors, solidify their liquid waste streams or stabilize them in some other fashion before shipment to a waste disposal facility. Under 10 CFR 61, a liquid waste is considered solidified if less than 0.5% by volume remains as a free liquid. Under DOE Order 5820.2A, free liquid must be removed to the extent that is reasonably achievable, but at least to <1.0% by volume in waste containers and <0.5% by volume in processed waste forms.

The U.S. Nuclear Regulatory Commission (NRC) has devised a three-tier waste classification system (classes A, B, and C) that guides the solidification process. Class A waste contains the lowest concentration of radionuclides and can be solidified by adding any absorbent, such as sawdust or vermiculite, that will reduce the free liquid content. Class B and C wastes contain higher concentrations of radionuclides and must meet additional requirements of stability, such as minimum compressive strength, resistance to corrosion, dissolution, biodegradation, and leaching. Therefore, class B and C wastes are commonly solidified with materials such as cement, bitumen, or vinyl-ester styrene. The stability requirements are primarily designed to prevent slumping and subsidence of the overburden and surface covers at the disposal site, which often result from compaction and degradation of unstabilized buried waste. However, solidification can also affect the release rate and speciation of radionuclides entering the soil solution.

The U.S. Department of Energy's (DOE's) low-level waste regulations do not contain a waste classification system comparable to the commercial regulations set forth by the NRC. Instead, DOE Order 5820.2A requires each disposal site to devise a set of waste acceptance criteria that include acceptable limits on the quantity and concentration of radionuclides, the structural and chemical stability, and the amount of free liquids, and restrictions on chelating and complexing agents.

Common to both the commercial (NRC) and the DOE regulations is the requirement for performance assessment (PA) calculations. Performance assessments are essentially predictions of the dose that various individuals (e.g., human intruders, maximally exposed individuals) or populations (e.g., groundwater users) are likely to receive from wastes migrating out of the disposal site. A minimum of two PAs over the life of a burial site are required by 10 CFR 61. The first PA is done in the initial licensing process and is used to convince regulators that the design and operational strategies proposed provide "reasonable assurance" that the regulatory performance objectives will be met. The second required PA is done at site closure and is designed to be a midpoint correction on past predictions and operational procedures. DOE Order 5820.2A also requires a PA in the initial phase of implementation of burial of defense waste. The results of the initial PA are used to develop the waste acceptance criteria, as well as to justify the proposed design and operation of the

defense waste burial site. DOE Order 5280.2A states that contractors are required to "maintain" this PA to demonstrate compliance with stated performance objectives. Thus under DOE 5820.2A, PA is a continuing process at defense waste burial sites.

The obvious starting point for any PA is the release of hazardous constituents from the waste form and waste package. The component of a PA model that either specifies or calculates release rates, concentrations, and speciation is called the source term. Any PA strategy must include some sort of source-term assumption. Even if the assumption is that all waste is instantly released, or no waste is ever released, some statement about source term is either explicitly calculated or implicitly assumed in the modeling exercise.

In 1983, DOE initiated the Special Waste-Form Lysimeters-Arid (SWLA) Program to evaluate the rate of radionuclide release from low-level waste being produced and solidified at commercial power reactors. A lysimeter facility was constructed at the Hanford Site in south-central Washington for field leaching studies using large-scale [55-gal (210-L) drum] samples of solidified waste (removed from their steel drums) buried in soil-filled caissons. The primary purpose of this facility is to generate data that describe the leaching of radioactive material from solid waste forms under field conditions. The waste forms used are actual production samples obtained from commercial reactor facilities. This report documents the release of material from these solid waste samples since 1984, and compares these data with common source-term assumptions that are routinely used in low-level waste PAs.

1.1 SOURCE-TERM MODELS

Models used to describe the release of contaminants from solidified waste reflect various degrees of complexity. The most thorough analysis of the release component of a source term has been documented in a series of papers from Brookhaven National Laboratory (BNL) (MacKenzie et al. 1985; Kempf et al. 1987; Sullivan and Kempf 1987; Sullivan et al. 1988; Sullivan and Suen 1989, 1991; Sullivan 1991). These papers describe the Breach-Leach-and-Transport (BLT) model and provide a conceptualization of release that has three components. The first component is container degradation and breaching, which allows water to contact the waste and release to begin. The second component is termed a "rinse phase," in which contaminants that have been concentrating in water originally contained in the solid, or in water collecting in the container during degradation, are released before breaching of the package is completed. The third component is termed the "diffusive-release phase," which follows the rinse-phase release of contaminants immediately after full container breaching. This third phase is described as a diffusion process, in which contaminants diffuse through the porous matrix of the waste form until they enter the soil water surrounding the package and are transported convectively by the soil water from that point on. This phase in the model could be generalized to include the chronic release of contaminants by any proposed mechanism or empirical process. The BLT model also limits solution concentrations of contaminants with solubility controls (Sullivan 1991). Because the lysimeter experiments described in this report use waste forms without any package (i.e., the

drums have been removed), the data generated are relevant to this third, or chronic, phase of the release process.

1.2 EXAMPLES OF RELEASE MODELS

The following discussion of source-term models is not an exhaustive literature review, but is intended to illustrate a cross section of approaches that have been used in published transport analyses. It is difficult to categorize these models because many models share certain characteristics and assumptions, but still they are different in many respects. Therefore, the discussion starts with the simpler, more empirical models and progresses to the more mechanistically based models.

The simplest and, in many ways, the most conservative approach to source-term release is to assume that the waste form deteriorates immediately and the entire inventory of waste is instantly soluble and available for transport. This approach was taken by Thomas (1988) when predicting the transport of chromium, cadmium, and nitrate from a calcine waste proposed for disposal at the Idaho National Engineering Laboratory. The instantaneous dissolution model of Thomas (1988) was constrained by considering potential solubility limits. The concentration of solute, assuming total dissolution of the calcine inventory, was checked against the solubility limit of the expected limiting solid phases for each constituent (i.e., chromate, cadmium hydroxide, and sodium nitrate). Concentrations for nitrate and chromium did not exceed solubility limits, and the instantaneous dissolution option was used.

The instantaneous dissolution of cadmium did produce concentrations in excess of the solubility limit for cadmium hydroxide. However, it was assumed that after dissolution, enough cadmium would be adsorbed onto the soil to reduce the concentration below any solubility constraint. The final release model assumed that the entire inventory of cadmium was immediately released from the calcine and equilibrated with the soil. Therefore, the distribution coefficient (K_d) was used to partition the inventory between an adsorbed phase and an aqueous phase. As the dissolved cadmium was transported away by convective water flow, the K_d relationship was used to control the release of adsorbed cadmium. This sorption-controlled release has been termed the "reverse K_d " or "desorption K_d " model.

A similar approach was used by Robinson et al. (1988) to simulate the release of solutes from a proposed intermediate-level waste repository in England. The hypothetical repository consisted of steel drums containing waste solidified with cement. The simulation began with the assumption that the steel drums had completely deteriorated and that the cement had crumbled to such an extent that it was treated as a porous material like the surrounding sediment. The solute concentration in the pore water was limited by inventory, solubility limit, or assumed K_d , whichever was less. In another similar study, release of waste from sediments contaminated with transuranic (TRU) waste at the Hanford Site was also modeled using the reverse K_d approach (DOE 1987). At the Hanford Site, estimates of solubility limits were made, and where the reverse K_d approach was thought to produce

unrealistically high concentrations, the solution concentration was fixed at the estimated solubility limit.

In the examples given above, the use of a solubility control is implemented in a simplistic way, as a fixed concentration of solute. The concentration of aqueous species in equilibrium with a solid phase is not necessarily constant. The equilibrium concentration (i.e., solubility limit) can change with changes in the physical conditions (i.e., temperature, water content) and chemical conditions (i.e., pH, ionic strength, complexing ions) of the soil. In the examples given above, changing physical and chemical conditions were not considered. A fixed solubility limit based on laboratory experiments or expert judgement was input to the model and assumed constant with time.

An example of a rigorous application of the solubility-control approach to waste release is described by Hostetler et al. (1988). Their source-term model, FOWL, was designed to predict the release of solutes from coal ash. The model calculates the aqueous concentration of solutes based upon solubility limits that account for the changing chemistry (mainly pH) of the waste as leaching progresses through time. Solubility relationships are calculated from either thermodynamic constants or empirical solubility studies. The changing chemical conditions are simulated with a geochemical model that updates the chemical conditions that control equilibrium concentrations of solubility-controlled solutes. Total leachable inventory is limited by a leachable fraction that is estimated from various waste extraction experiments.

All of the models described above assume that the contaminants are instantaneously released from the solid matrix of the waste form (if one exists) and equilibrate with the surrounding soil. Other models assume that the waste form retains its physical integrity. These models then attempt to account for the time-dependent release of waste from the solid matrix of the waste form. The simplest model of this type is the fixed-release model. In this model, the release rate is fixed at a constant amount of solute per year, a constant fraction of inventory per year, or some other time-dependent rate of release. The release rates could be chosen from leaching experiments or expert judgment.

For instance, Murphy and Holter (1980) assumed that waste inventories selected for an analysis of a reference low-level waste site would leach over either 100 or 1000 years, depending on the type of waste. Therefore, they chose release rates that would release the waste uniformly over this time frame. Wenzel et al. (1986) simulated the release of radionuclides from solid waste trenches at Los Alamos National Laboratory (LANL) by assuming that the fraction of inventory released per day was 6×10^{-10} for solidified waste. A comparable release rate was calculated for unsolidified "trash" waste by comparing the ratio of waste concentration in trench water to the trench inventory. The model was ultimately given a constant rate of release in terms of curies per year for each radionuclide in the trench.

The most thorough and detailed use of a fractional-release model was presented by

MacKenzie et al. (1985). Incremental fractional release functions were constructed for at least eight waste forms found at a Sheffield, Illinois, disposal site. Calculations were based on estimated container life, solidification agents, total inventory, and kind of waste. Most incremental fractional releases were functions of the diffusive-release rate calculated for a 55-gal (210-L) drum of cement waste. The source terms calculated were highly site-specific and relied on a detailed knowledge of the Sheffield waste and a great deal of expert judgement.

A more fundamental approach to calculating the time-dependent release of solutes from solid waste forms is to assume that the chronic release is controlled by a diffusion process. As explained above, this is the concept behind the third or chronic phase of release in the Brookhaven source-term model. The basic premise in diffusion models is that the solutes within a porous solid waste form will migrate through liquid films contained in the waste form. The solutes migrate by diffusion in response to the concentration gradient created by the high solute concentration within the waste form and the lower concentration in the soil water surrounding the waste.

Few researchers would claim that transport through a solid waste form is pure diffusion because of the likelihood that precipitation and sorption reactions are also affecting release. However, there is growing acceptance of the idea that the process can be approximated and modeled as diffusion. The mathematics of diffusion indicate that the flux density of solute is proportional to the concentration gradient along the diffusion path. The constant of proportionality is the diffusion coefficient. Since the transport process through a solid waste is not pure diffusion, the diffusion coefficients used to approximate this transport are referred to as effective diffusion coefficients (D_e). Effective diffusion coefficients for solidified waste are generally estimated from small-sample leach tests, such as ANSI/ANS 16.1 (ANS 1986).

The diffusion concept can be implemented with various degrees of sophistication. The simplest approach is to use the D_e measured in laboratory leach tests to generate a fractional-release curve, as in the TRANSS model (Simmons et al. 1986). Using the diffusion theory described in the ANSI/ANS 16.1 leach test protocol, the cumulative release of solutes can be predicted based upon the measured D_e . The slope of this curve gives the release rate as a function of time, and the fractional release rate can then be calculated. Diffusion theory allows the results to be scaled up to account for the difference in size of the waste form found in the burial site versus that used in the small-scale leach test.

Sewart et al. (1987) used the D_e estimated from small-scale leach tests to generate a constant release rate for grouted waste at the Hanford Site. In this application, the release rate, calculated as described above, was averaged over the first 70 years of leaching. This rate was then input into the TRANSS model as a constant release rate over the entire duration of the simulation. Since the release rate predicted from a diffusion model decreases over time, reflecting the continual reduction in the concentration gradient across the waste form, using the average release rate calculated over the first 70 years was considered to produce conservative results.

A more rigorous application of diffusion theory to predict source-term release from Hanford Site grouted waste is ongoing. The current grout PA will use the D_e value calculated from ANSI/ANS 16.1 leach tests to model the release of solutes from the waste form explicitly as a diffusion process. The D_e values are not used to calculate a fractional release curve as was done by Sewart et al. (1987); instead, the concentrations of solutes within the waste will be simulated and the diffusion coefficient will be used to calculate the multidimensional diffusion of solutes through the grout monolith.

Some of the models discussed above assume that the waste form instantly loses its integrity and contaminants equilibrate with the soil and pore water through either solubility- or sorption-controlled reactions. The remainder of the models discussed above assume that the waste form maintains its integrity throughout the leaching process and describe the release rate as a constant release or diffusion-controlled. Berner (1988; Berner et al. 1987) has proposed a model that explicitly simulates the degradation and dissolution of concrete waste forms through time. Berner's model simulates the chemical reactions responsible for transforming cement from oxide/hydroxide-based solids to silicate-, aluminate-, and carbonate-based solids. The carbonate solids are then free to dissolve. Cement is the most common solidification agent used for low-level waste, as well as a common material used for engineered structures, such as above- and below-ground vaults. Berner's degradation model conceptualizes cement as a combination of amorphous calcium oxide (CaO), silicon dioxide (SiO₂), and water (H₂O) referred to as C-S-H gel. Berner's model includes an incongruent dissolution of C-S-H gel, and to date, a simplified form has been incorporated into at least one release model (Haworth et al. 1989, 1990). The calculations have been reasonably successful and hold promise for bridging the current gap between models that assume either instant degradation or no degradation of waste forms. To date, no model incorporates physical transformations of waste forms, such as increases in porosity caused by mineral crystallization or cracking.

In a review of source-term models, Sullivan (1991) identified a family of models known as PRESTO (Fields et al. 1987) that are used by the U.S. Environmental Protection Agency (EPA). According to Sullivan (1991), the source-term component of PRESTO uses a combination of constant (radionuclide-independent) release rate and soil/solution partition coefficient (radionuclide-specific) to predict soil solution concentrations near the waste forms. Sullivan (1991) also discussed the family of models that constitute the PAGAN performance assessment methodology developed for the NRC (Kozak 1990). The PAGAN methodology assumes that the waste site (or individual trench) contains either stabilized or unstabilized waste. Unstabilized waste is assumed to be released instantaneously on contact with water, and a soil/solution partition coefficient is used to calculate actual solution concentration. Stabilized waste releases contaminants at a constant rate, which is based on the geometry of the waste form and laboratory-measured effective diffusion coefficients.

2.0 MATERIALS AND METHODS

2.1 DESCRIPTION OF LYSIMETER FACILITY

The lysimeter facility complex (Figure 1) was constructed in the summer of 1983 (Walter et al. 1984) and consists of ten soil-filled caissons (183 cm in diameter by 305 cm deep), placed concentrically around a central access caisson (365 cm by 365 cm). The soil material used to fill the lysimeters was obtained during excavation of the lysimeter site. These sediments represent flood deposits and consist of coarse sands and gravels with minimal silt and clay fractions that are found throughout the Hanford Site. This material was

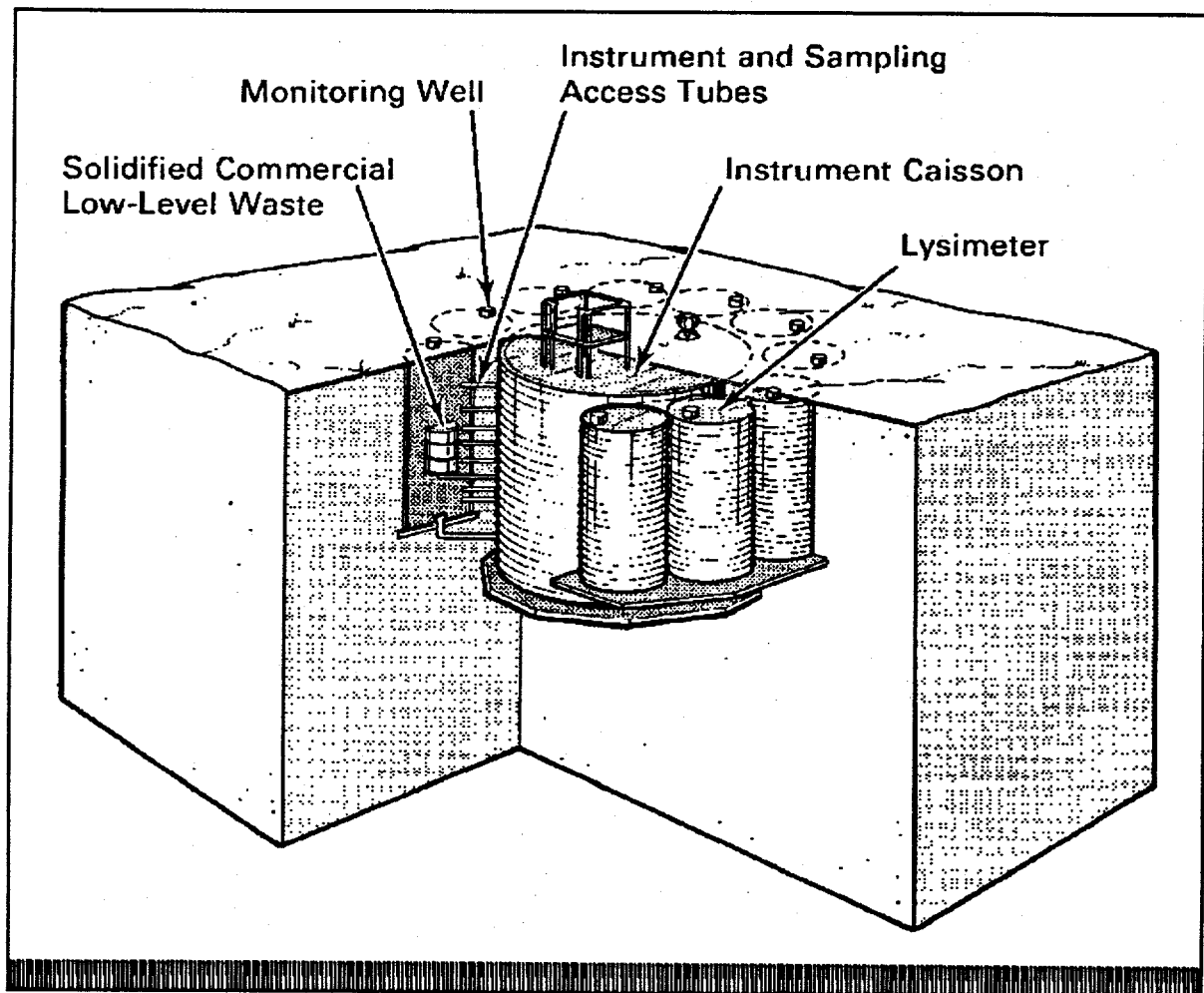


Figure 1. Diagram of SWLA Lysimeter Facility

screened to remove the gravel fraction, leaving material consisting of 92% sand, 6% silt, and 2% clay, with a particle density of 2.82 Mg/m^3 (Walter et al. 1984; Jones 1989). The lysimeter's surface soils are kept free of vegetation. Each lysimeter contains one waste form sample that has been removed from its 55-gal (210-L) drum, leaving the waste form in direct contact with the soil. Each lysimeter is equipped with a gravity drain leading to the central access caisson for collection of leachate water. The central caisson also provides access to each lysimeter through horizontal sampling ports. A 15-cm-diameter monitoring well is installed at the side of each lysimeter to allow downwell gamma-ray scanning and neutron probe measurements of soil water content.

Figure 2 shows the average placement of the waste samples in the lysimeters. The bottom of the waste sample in each lysimeter is at 250 cm; the height of individual samples

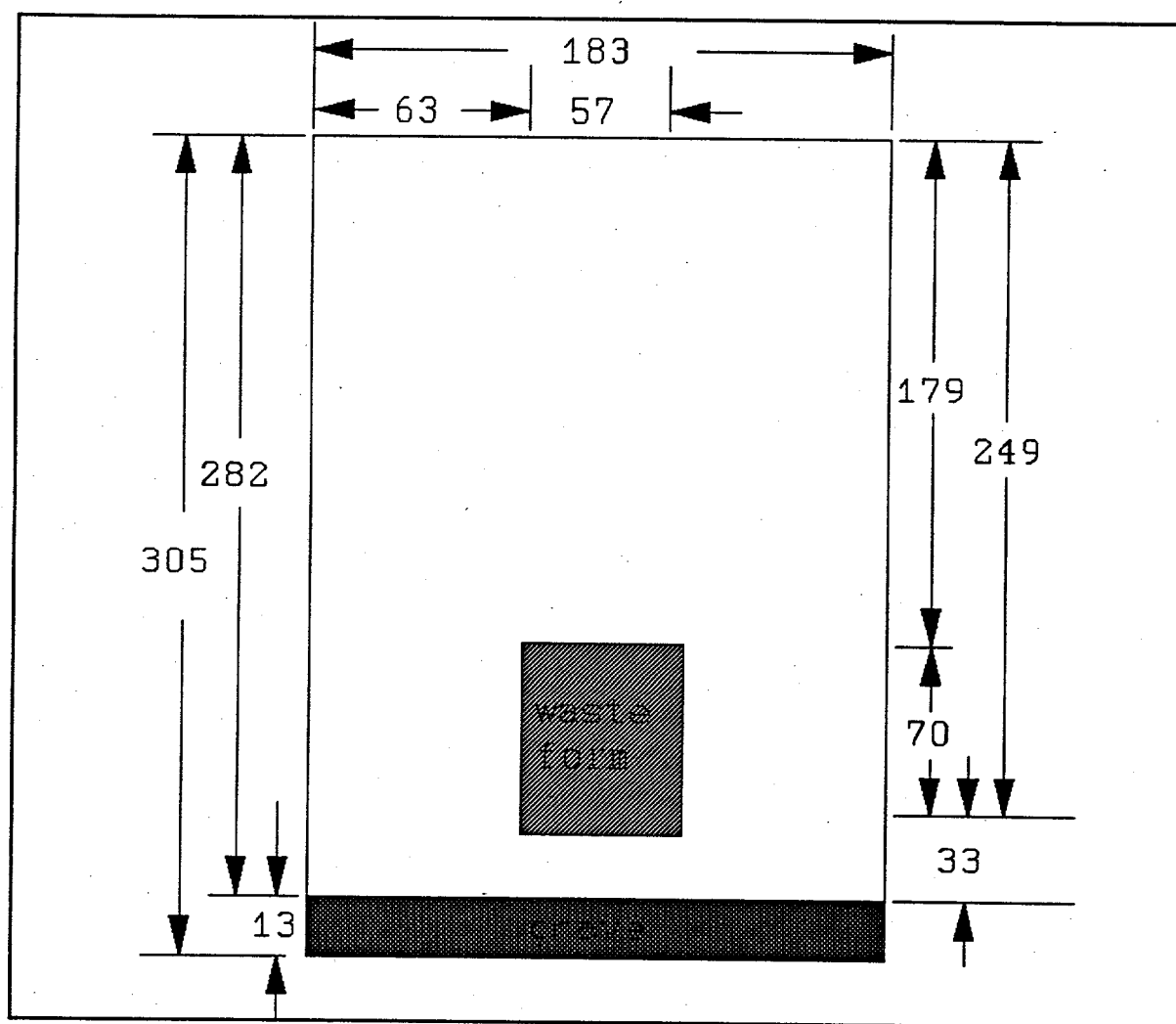


Figure 2. Schematic Diagram of Average Waste Placement in SWLA Lysimeters. All dimensions are in centimeters

ranges from 60 to 80 cm. The waste samples were located deep in the lysimeter to minimize the transport distance to the drain (gravel layer), thereby minimizing the amount of leachate interaction with the soil. Eight of the ten lysimeters were filled in March 1984; these included lysimeters 1-4 and 7-10, which contain the waste samples solidified with cement and vinyl-ester styrene. Waste forms constructed using bitumen as the solidification agent were buried in lysimeters 5 and 6 in September 1984. Drainage measurements were made approximately once a month during 1985, once every 2 to 3 weeks from 1986 through 1989, and at least quarterly since 1990. All drainage samples are analyzed for radionuclides, and a complete cation/anion analysis is performed quarterly. Chemical analyses consisted of inductively coupled plasma (ICP), ion chromatography (IC), alkalinity, and dissolved organic carbon (DOC) measurements for cation/anion balance, intrinsic germanium detection for gamma emitters such as cobalt-60 and cesium-137, and liquid scintillation for beta emitters such as tritium. Soil water contents were measured using a neutron probe approximately twice a month through 1989, and then approximately quarterly.

2.2 WASTE FORM DESCRIPTION AND INVENTORY

Duplicate samples of five waste forms were buried in the lysimeter facility. These five waste forms represent three waste streams and four solidification agents. The samples are actual waste forms created at commercial reactor facilities as part of routine waste management procedures (Jones et al. 1988). The only exception to routine procedures was the size of the masonry cement samples, which are normally made into large cement blocks rather than 55-gal samples. The waste forms were obtained by BNL personnel, who also negotiated procurement of the waste from a reactor. Table 1 shows the combinations of waste streams and solidification agents used to generate the five waste forms. Table 1 also lists the individual lysimeters containing each waste form.

Table 1. Description of Waste Streams and Solidification Agents Used to Generate the SWLA Waste Forms

Waste Stream	Solid Matrix	Lysimeter
Evaporator concentrate (boric acid)	Masonry cement	1,7
	Bitumen	5,6
Evaporator concentrate (Na ₂ SO ₄)	Portland III cement	2,8
Evaporator concentrate + exchange resin (Na ₂ SO ₄)	Portland III cement	3,9
	Vinyl-ester styrene	4,10

Radionuclide and chemical inventories for the liquid waste solidified in each waste form were calculated based on several sets of data. First, samples of the liquid waste streams were collected at the time of waste form preparation. These samples were analyzed at BNL soon after collection. Samples were also archived and analyzed four years later at Pacific Northwest Laboratory (PNL).¹ The PNL analyses included a detailed look at organic compounds present in the waste streams. These analyses revealed significant levels (e.g., several parts per million) of organic chelating compounds. Waste form inventories were estimated from these waste stream analyses with estimates of the amount of liquid waste contained in each waste form. Elements contained in the solidification agents (e.g., calcium in the cement) were not included in the estimated inventories. No radioactive elements are expected to be contributed by the solidification agents.

Waste forms were also analyzed nondestructively at PNL using a high-resolution gamma counter. Details of the nondestructive counting equipment have been reported by Brodzinski (1986; Brodzinski et al. 1987). The analysis also produced an inventory estimate for the gamma-emitting isotopes. All of these analyses were compared and evaluated to produce a "best estimate" of liquid waste form inventory. Table 2 shows this best estimate for major cations/anions and radionuclides. Details of analytical procedures and the results of each individual analysis (including the results of the organic analyses) are reported by Jones et al. (1988).

¹ Pacific Northwest Laboratory is operated for DOE by Battelle Memorial Institute under Contract DE-AC06-76RLO 1830.

Table 2. Estimated Inventory of Chemical and Radionuclide Components of Waste Forms^a

Lys #	Ca	Na	K	Mg	Sr	NO ₃	SO ₄	Cl	B	TOC	54Mn	60Co	137Cs	134Cs	3H
	grams										mCi				
1	33.8	96.1	14.6	4.1	0.10	139.3	216.7	58.1	732.4	9.0	0.132	0.548	11.6	7.96	5.2
2	147.6	4885.2	50.8	50.4	0.72	<13.6	6672	88.2	5.0	34.3	6.0	94.0	14.74	<12	---
3	238.9	7081	102.6	86.1	1.2	<15.5	10226	170.4	10.0	10.6	9.9	142	38.2	<8.5	---
4	123.3	3657	53.0	44.5	0.62	<8.0	5281	88.0	5.2	5.5	4.5	117.6	<11.1	<13.8	---
5	12.1	4241	26.1	3.7	0.23	12.3	207.4	99.9	6967	---	0.10	0.59	0.6	0.22	b
6	18.2	6359	39.2	5.6	0.34	18.4	311.0	149.8	10460	---	0.15	0.89	0.9	0.33	b
7	38.4	109.1	16.5	4.7	0.11	158.2	246.0	65.9	831.3	10.2	0.144	0.608	13.5	9.42	5.9
8	157.4	5211	54.1	53.8	0.77	<14.5	7117	94.1	5.4	36.6	7.5	95.5	16.70	1.76	---
9	184.1	5456	79.1	66.4	0.92	<11.9	7879	131.3	7.7	8.2	9.9	163	19.6	2.7	---
10	156.6	4643	67.3	56.5	0.78	<10.2	6706	111.8	6.6	7.1	6.2	138.6	<20.2	<7.25	---

^a Inventories calculated from waste stream analysis and volume of waste stream contained in waste form only, no contribution of elements from solidification agents is considered.

^b During bitumen processing, tritium should evaporate and leave the waste form.

3.0 RESULTS AND DISCUSSION

3.1 LYSIMETER HYDROLOGY

Table 3 shows a summary of the water balance of the lysimeter facility. Values in the table (except precipitation) represent averages plus or minus one standard deviation for the ten lysimeters. Complete data documenting precipitation, water content and storage, and drainage are given in Appendixes A to C. Analysis of sediment samples from each of the lysimeters revealed no measurable differences in the hydraulic properties of the different lysimeters. This suggests that the water balances of each of the ten lysimeters should be similar. The data confirm this with two notable exceptions. Two hydrologic anomalies create temporary differences in the water balances of some of the lysimeters. First, lysimeters 5 and 6 were not filled until six months after the rest of the lysimeters. This alone would not make much difference, because there is little precipitation at the Hanford Site during the spring and summer (March to September). However, the fill material used in lysimeters 5 and 6 was exposed to the air during this period and did dry out. Therefore, the water content of the soil used to fill lysimeters 5 and 6 was approximately 4% by weight rather than 7% by weight as in the other lysimeters. This discrepancy put the storage component of lysimeters 5 and 6 about one year behind the other lysimeters. The onset of drainage was also about one year later than in the other lysimeters.

The second anomaly was a flood that occurred at the facility during February 1985. A cold winter allowed snowpack to develop at the facility from November 1984 to the first week of February 1985, when rapid warming triggered rapid snowmelt. Uneven topography adjacent to lysimeters 8, 9, and 10 caused water to run onto these lysimeters. Our best estimate is that between 10 and 15 cm of extra water was applied to these lysimeters over a period of one week. Therefore, data from lysimeters 5, 6, 8, 9, and 10 are excluded from the calculation of averages shown in Table 3 until after the 1984-1985 year.

The important details of the water balance are as follow: 1) the water contents in the lysimeters are low because of the coarse texture of the soil; 2) the annual variation in water content is also low, implying small changes in storage; and 3) on average, approximately 30% of precipitation becomes drainage water in the absence of plants. Most precipitation at the Hanford Site occurs in late fall and early winter. Peak drainage from the lysimeters occurs in late spring or early summer, implying a travel time through the lysimeters of approximately 5 to 6 months. Details regarding the soil hydraulic properties and the lysimeter water balance have been reported elsewhere (Jones and Skaggs 1989; Jones et al. 1988; Jones 1989).

3.2 RADIONUCLIDE RELEASE

Drainage water collected from the bottom of each lysimeter is analyzed for radionuclide content as one measure of release and transport. A complete set of data showing radionuclide concentration and cumulative radionuclide release is shown in

Table 3. Average Water Balance Components of SWLA Lysimeters

Water Balance Component	3-84 to 9-84	9-84 to 9-85	9-85 to 9-86	9-86 to 9-87	9-87 to 9-88	9-88 to 9-89	9-89 to 9-90	9-90 to 9-91 ^a	9-91 to 9-92 ^a
	cm								
precip	10.5	15.8	24.3	17.9	11.8	20.9	15.26	15.24	18.7
Δ storage	- 2.9±1.8	2.9±1.7	- 1.6±2.1	2.0±1.2	0.5±1.1	- 0.2±1.0	0.9±1.0	0.4±1.2	1.9±2.1
drain	0.0	3.5±0.5	13.1±1.0	4.8±0.9	4.2±0.6	6.2±0.7	2.3±0.1	2.8±0.6	7.3±0.5
evap	13.4±1.8	9.4±1.6	12.8±2.7	11.1±1.1	7.1±0.9	14.9±1.4	12.1±1.0	12.1±1.0	9.6±2.5
	volumetric water content (m ³ /m ³)								
θ _{min} to θ _{max}	7.3-8.1	7.3-12.1	7.4-11.5	6.8-9.8	7.2-9.1	7.9-11.3	7.8-8.9	^b	^b

^a Based on limited neutron probe data.

^b Not enough water content data.

Appendix D. Tritium and cobalt-60 were the only radionuclides identified in any of the leachates until recently. Trace amounts of cesium-137 have been consistently found in leachate samples from lysimeters 1, 5, 6, and 7 (boric acid evaporate waste) since December 1991. This is the first occurrence of any radionuclide in the leachate from lysimeters 5 and 6. The cesium data will not be discussed further in this report. Tritium is part of the source inventory of only the boric acid/masonry cement waste forms and is present in the leachate of lysimeters 1 and 7, which contain samples of this waste form. The total amount of tritium collected from the bottom of these lysimeters through December 1992 represents approximately 71 and 76% (not decay corrected) of the estimated original tritium inventory of the waste forms contained in lysimeters 1 and 7, respectively.

Cobalt-60 is present in all waste streams but is a primary constituent in the four concrete waste forms of lysimeters 2, 8, 3, and 9, as well as the two vinyl-ester styrene waste forms in lysimeters 4 and 10. Cobalt-60 has been identified in the leachate from all six of these lysimeters; however, only trace amounts have been detected in the leachate from one of the vinyl-ester styrene waste forms (lysimeter 10). The total amount of cobalt-60 collected from the lysimeters (decay corrected) is less than 0.1% of the estimated original cobalt-60 inventory for each of the waste forms.

The pattern of radionuclide release from the lysimeters is shown in Figures 3 through 6. The cumulative release of radionuclides from the lysimeters is plotted against time and also against cumulative drainage from each of the lysimeters. Figure 3 shows the release of tritium from lysimeters 1 and 7 versus time, indicating a seasonal nature to tritium

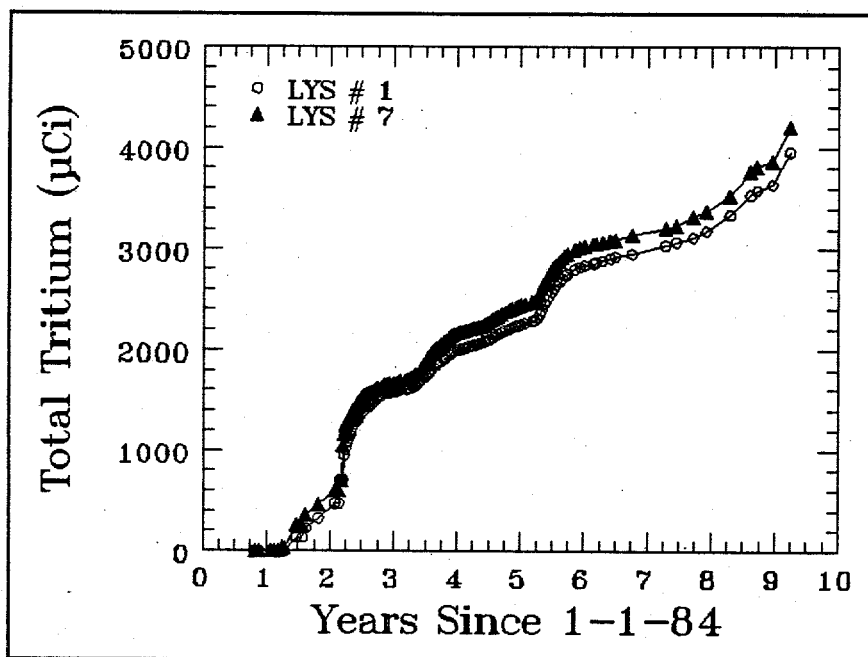


Figure 3. Cumulative Release of Tritium from SWLA Lysimeters Versus Time

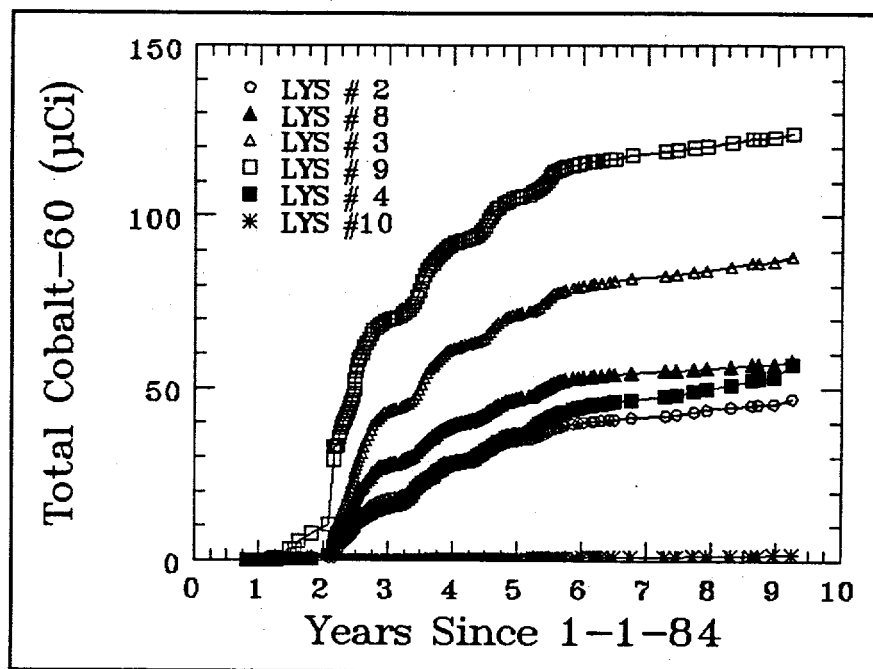


Figure 4. Cumulative Release of Cobalt-60 from SWLA Lysimeters Versus Time

arrival at the lysimeter drain. More tritium arrives at the lysimeter bottom in the spring, with drainage water from winter precipitation and snowmelt. The total amount and temporal pattern of tritium arrival at the lysimeter drain are nearly identical for lysimeters 1 and 7. When the cumulative amount of tritium is plotted against the cumulative drainage (Figure 5) the curve becomes nearly linear. Figure 5 shows that there is less variability in the amount of tritium contained in a unit of drainage water than in the amount that drains in a unit of time. The tritium is being released at a fairly constant rate (approximately 85.7 ± 9.5 and 86.7 ± 8.6 $\mu\text{Ci}/\text{cm}$ of drainage water for lysimeters 1 and 7, respectively). Table 4 reveals a significant drop in the release rate (in microcuries per centimeter) from 1989 to the present. More data are needed to confirm this; however, the release rate is expected to decrease as the cumulative amount released (decay corrected) approaches the original inventory of the waste forms.

The pattern of cobalt-60 drainage is shown in Figures 4 and 6. Figure 4 indicates the same seasonal variability in release as was noted for tritium. Lysimeters 3 and 9 are replicates that contain the same type of waste form; lysimeters 2 and 8 are also replicates. These replicate lysimeters seem to be releasing similar amounts of cobalt. Figures 4 and 6 show less variability in cumulative release between replicate lysimeters than among waste

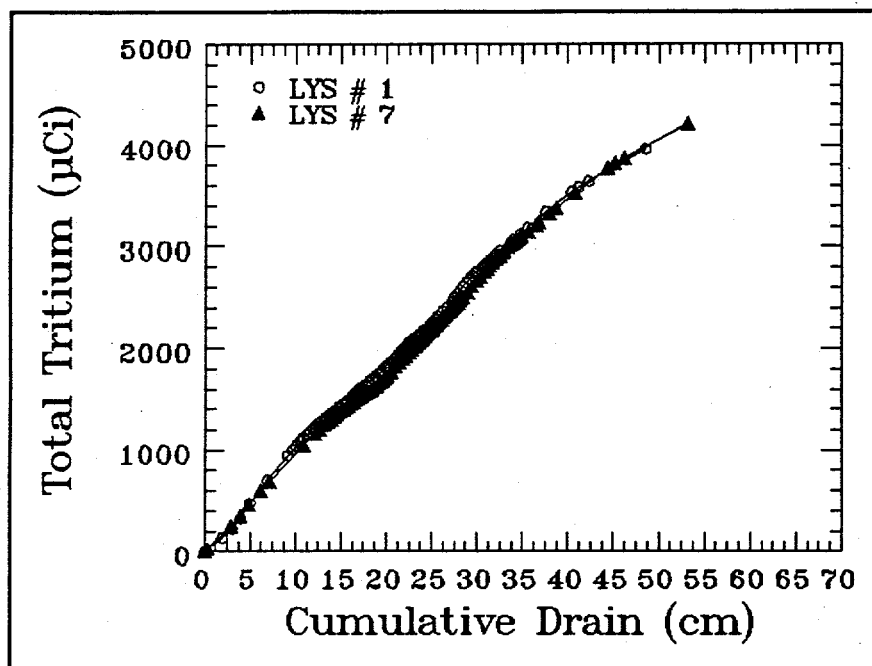


Figure 5. Cumulative Release of Tritium Versus Cumulative Drainage from SWLA Lysimeters

forms. The replicate of lysimeter 4 is lysimeter 10, which contained the largest cobalt-60 inventory yet leached only trace amounts of cobalt. The vinyl-ester styrene waste forms (lysimeters 4 and 10) have released less cobalt than the cement waste forms (lysimeters 2, 3, 8, and 9). The greater amount of cobalt released from lysimeters 3 and 9, relative to lysimeters 2 and 8, is probably caused by the larger cobalt inventory of the waste forms in lysimeters 3 and 9.

Figure 6 shows the cumulative release of cobalt-60 versus cumulative drainage. The curves do not appear linear as they did for tritium release; cobalt-60 is not being released at a constant amount per centimeter of drainage. Table 4 reveals that the release rate, when expressed as microcuries per centimeter, generally increased through 1987 but decreased during 1989, 1990, 1991, and 1992. When the release is expressed as total microcuries, the peak value is shown to be in 1986. For each of the lysimeters releasing cobalt-60, the rate has decreased in each subsequent year.

The impact of flooding lysimeters 8, 9, and 10 in February 1985 appears to have been minimal. Most of the flood water drained during February. This leachate did contain trace amounts of cobalt-60, but not enough to account for the differences in cumulative cobalt-60 released shown in Figures 4 and 6. Lysimeter 9 shows some significant release of cobalt-60 during 1985, but not until June or July. Lysimeters 8 and 10 show no early release of cobalt-60 compared to the nonflooded lysimeters. The increased amount of cobalt-60 leached from lysimeters 8 and 9, with respect to their replicate lysimeters 2 and 3, appears to be

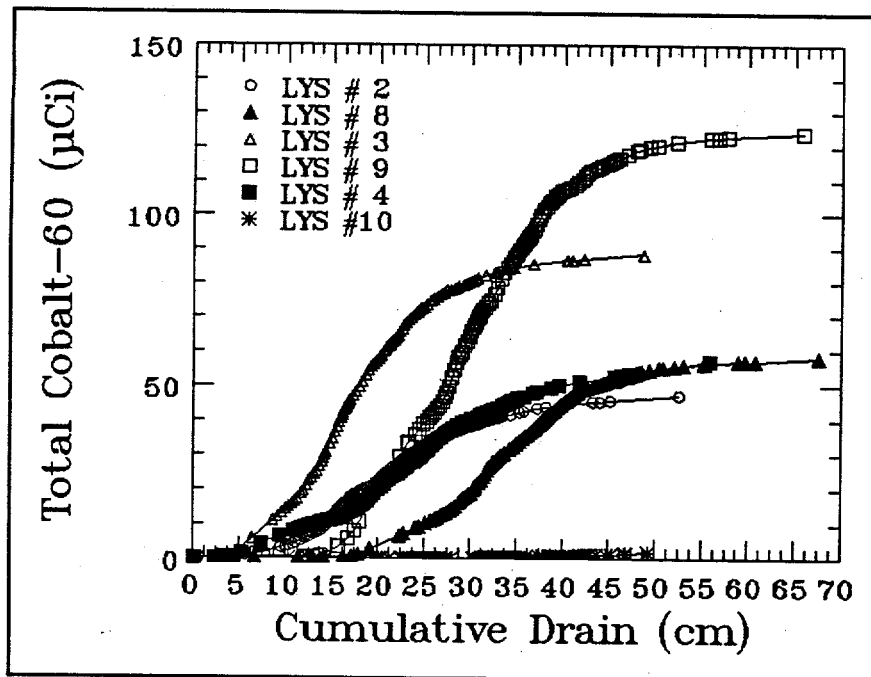


Figure 6. Cumulative Release of Cobalt-60 Versus Cumulative Drainage from SWLA Lysimeters

related to the increased cobalt-60 inventory of lysimeters 8 and 9 and/or variability between individual waste forms.

The small fraction of cobalt-60 found in the waste leachates represents a highly mobile form. Cobalt-60 is generally considered to be a well-sorbed and relatively immobile radionuclide. The enhanced mobility shown in the SWLA facility is thought to be caused by the presence of organic chelating compounds such as ethylenediaminetetraacetic acid (EDTA) (Means et al. 1978; Jones et al. 1983), which have been identified in the liquid wastes that were solidified (Toste et al. 1987; Jones et al. 1988). However, no attempt has been made to measure chelating agents in the lysimeter leachate. Both 10 CFR 61 and DOE Order 5820.2A specifically require that PAs address the issue of chelating agents and their effect on radionuclide mobility. The mobility of cobalt-60 in our lysimeters is dramatic compared to the data from the Savannah River Site (SRS) (Oblath et al. 1983; Oblath and Grant 1985; McIntyre 1986). Published results from a similar lysimeter program at SRS show that (as of mid-1986) with about eight times as much water leaching through the SRS lysimeters, over the first 4.5 years of operation for each facility, 40 to 500 times less cobalt-60 had been collected in the SRS leachates than in the SWLA leachates. The waste samples used in the SRS study should contain the same chelating agents found in the Hanford samples because

Table 4. Yearly Release of Radionuclides from SWLA Lysimeters Expressed as Different Quantities

Year	Item	Lysimeters							
		#1	#2	#3	#4	#7	#8	#9	#10
		³ H	⁶⁰ Co	⁶⁰ Co	⁶⁰ Co	³ H	⁶⁰ Co	⁶⁰ Co	⁶⁰ Co
10-26-84 to 10-24-85	Total ^a	322.709	0.877	0.272	0.294	459.593	1.093	8.066	0.000
	% Inv ^b	6.206	0.001	0.000	0.000	7.790	0.001	0.005	0.000
	μCi/cm ^c	82.139	0.180	0.069	0.067	93.729	0.061	0.460	0.000
10-24-85 to 8-28-86	Total	1143.253	13.366	34.469	12.754	1125.235	21.628	54.831	0.1263
	% Inv	21.986	0.014	0.024	0.011	19.072	0.023	0.034	0.0001
	μCi/cm	98.881	1.231	3.109	1.021	84.112	1.619	4.526	0.0099
8-28-86 to 9-03-87	Total	387.761	10.936	21.636	11.325	424.260	13.117	23.517	0.1258
	% Inv	7.457	0.012	0.015	0.010	7.191	0.014	0.014	0.0001
	μCi/cm	80.201	2.024	4.732	2.153	88.376	2.591	4.815	0.0222
9-03-87 to 8-26-88	Total	299.509	7.382	11.893	9.454	322.362	8.627	15.455	0.1829
	% Inv	5.760	0.008	0.008	0.008	5.464	0.009	0.009	1.0001
	μCi/cm	85.190	1.974	3.477	2.267	91.246	2.394	4.503	0.0568
8-26-88 to 8-30-89	Total	556.322	6.268	9.924	8.890	576.889	7.500	11.854	0.3925
	% Inv	10.699	0.007	0.007	0.008	9.778	0.008	0.007	0.0003
	μCi/cm	98.704	1.035	1.908	1.443	97.937	1.235	2.083	0.0574
8-30-89 to 10-04-90	Total	241.207	2.663	3.838	3.899	238.803	2.430	4.077	0.3571
	% Inv	4.639	0.003	0.003	0.003	4.048	0.003	0.003	0.0003
	μCi/cm	80.507	0.788	1.137	1.146	75.394	0.709	1.242	0.1091
10-04-90 to 9-20-91	Total	168.143	1.786	1.894	2.623	171.599	1.212	2.232	0.2263
	% Inv	3.234	0.002	0.001	0.002	2.908	0.001	0.001	0.0002
	μCi/cm	74.136	0.623	0.875	0.921	76.333	0.449	0.947	0.0736
9-20-91 to 9-18-92	Total	464.046	1.990	2.839	3.548	495.150	1.405	2.744	0.0137
	% Inv	8.924	0.002	0.002	0.003	8.392	0.001	0.002	0.0000
	μCi/cm	72.426	0.292	0.394	0.470	68.436	0.183	0.372	0.1283

^a Total is total microcuries released during the year.

^b Percentage of the total inventory released during the year.

^c Microcuries leached per centimeter of drainage water.

the waste forms were obtained from the same facilities. The apparent differences in cobalt-60 mobility may be explained by increased adsorption of the cobalt-60-EDTA complex on SRS soil, as shown by Jones et al. (1983). Typical soils at the SRS have a pH near 6 and contain significant amounts of iron oxide minerals. Both of these conditions could enhance the sorption of the metal/chelate complex.

3.3 RELEASE OF MAJOR NONRADIOACTIVE CHEMICALS

Table 5 shows the total amount of chemical recovered in leachate samples from each lysimeter. The complete set of leachate chemical analyses and cumulative chemical release data are shown in Appendix E. Chemical concentrations measured in leachate samples from 1984 to December 15, 1992, were used to calculate the values shown in Table 5. Experimental values classified as less than limit of detection were assigned the value of zero. Chemical analyses were done on quarterly leachate samples only; linear interpolation was used to assign concentration values for all days when drainage samples were obtained.

Table 5. Cumulative Release of Major Nonradioactive Compounds

Compound	Cumulative Amount of Compound Released 1984 - 1992 (g)									
	1	2	3	4	5	6	7	8	9	10
Ba	0.12	0.13	0.10	0.29	0.08	0.09	0.12	0.22	0.20	0.18
Ca	72.6	262.5	233.1	376.3	73.6	85.3	70.2	211.8	185.4	164.7
K	17.81	41.69	55.81	51.16	17.47	15.23	13.77	63.54	76.98	17.96
Mg	16.86	88.46	85.02	89.86	16.70	19.94	15.80	88.88	78.17	37.17
Na	51	2229	3079	2107	32	32	34	2621	3057	134
Sr	0.33	1.18	1.02	1.67	0.35	0.40	0.32	1.08	0.99	0.66
F	0.45	1.58	2.35	1.27	0.34	0.39	0.56	2.95	4.21	0.50
Cl	5.39	49.96	72.98	50.13	4.17	4.64	4.57	41.60	50.60	13.78
NO ₂	0.06	0.34	0.47	0.82	0.30	0.50	0.33	0.24	0.32	0.02
NO ₃	172.2	117.6	48.0	69.0	129.9	138.5	132.8	69.3	80.2	56.1
PO ₄	1.58	20.85	36.59	19.89	0.10	0.08	0.02	34.62	33.15	1.75
P	0.03	10.15	22.45	14.71	0.08	0.07	0.05	13.86	16.68	1.22
SO ₄	47	4116	5536	4686	38	38	51	4653	4933	514
B	0.59	0.21	0.06	1.14	26.61	42.45	1.39	0.32	0.42	0.10

The pH of the leachates generally reflects the alkaline pH of the sediment used to fill the caissons. The average pH value of leachate samples was 8.2, which is comparable to values in sediment extracts before construction. Leachate pH values from the lysimeters drainage showed no significant change over time, with the exception of lysimeters 2, 3, 8, and 9, which have shown an increase in pH to approximately 9.4 since the fall of 1989. This increase in pH is probably a result of hydroxyl ions leaching from the Portland III cement waste forms in these lysimeters. No similar effect has been observed in lysimeters 1 and 7, which contain masonry cement waste forms. A possible explanation is that the excess hydroxyl ions formed in the masonry cement samples were neutralized by the boric acid solidified in these samples.

Table 5 shows that substantial amounts of nonradioactive solutes have also been released from the waste forms. For example, the amounts of sodium and sulfate released from lysimeters 2, 3, 4, 8, and 9 reflect the high sodium sulfate content of the original waste stream. The amount of sodium released from these lysimeters represents from 30 to 47% of the estimated sodium inventories, and 45 to 60% of the estimated sulfate inventories of the liquid waste contained in the waste forms. Significant amounts of both sodium and sulfate can be contributed by cements, depending on the mixing ratio of water to dry cement. Thus the fractions reported overestimate waste leaching. Lysimeters 5, 6, and 10 also have waste forms high in sodium; however, the lack of high sodium in the leachate is consistent with the fact that nothing leached from the vinyl-ester styrene sample in lysimeter 10 or from the bitumen samples in lysimeters 5 and 6.

The boron released from lysimeters 5 and 6 is the result of boric acid waste present in those waste forms. Although the boron levels in the leachate from lysimeters 5 and 6 are high relative to those for other lysimeters, they represent less than 1% of the boron inventory. Less boron (0.1% of inventory) was released and leached from lysimeters 1 and 7, which also contain a boric acid waste form. The amount of boron leached from the masonry cement samples (lysimeters 1 and 7) was less than the amount leached from lysimeter 4, whose waste form contained no significant amount of boron in the waste stream. The reduced levels leached from lysimeters 1 and 7 may reflect a real difference in boron leaching between cement and bitumen waste forms.

Those elements for which cumulative release rates have exceeded the estimated inventories of the waste forms are elements found naturally in the Hanford sediments. These include calcium, magnesium, and nitrate. The nitrate found in Hanford sediments probably originates in atmospheric emissions of chemical processing plants that contain various NO_x compounds.

3.4 QUALITATIVE EVALUATION OF SOURCE-TERM MODELS

The data provided by the SWLA lysimeters should be helpful in evaluating many of the source-term assumptions discussed above. Although no source-term or solute transport modeling of the SWLA lysimeters has been completed to date, the data can be used to

qualitatively examine some of the more common assumptions. As discussed above, commonly used source-term models often assume one of the following: 1) instantaneous release of radionuclides, 2) sorption-controlled release, 3) solubility-controlled release, 4) fixed or time-dependent release, or 5) diffusion-controlled release.

Without simulation studies, the diffusion-, sorption-, or solubility-controlled release assumptions are difficult to evaluate. However, Criscenti and Serne (1987) found no solubility controls on radionuclide concentrations in laboratory leaching studies using similar waste materials. In addition, qualitative comparisons can be made between laboratory diffusion coefficient measurements and the field data. First, the relative amounts of cobalt-60 found in the leachates from different waste forms made from different solidification agents compare well with laboratory results (see also Walter et al. 1988; Columbo et al. 1986). Based on laboratory results, the cement waste forms appear to be releasing more cobalt-60 than the vinyl-ester styrene waste forms. However, the SWLA field results are varied on the effectiveness of the vinyl-ester styrene waste form. The waste form in lysimeter 10 has released little or none of the contaminant solidified in the vinyl-ester styrene, while the waste form in lysimeter 4 has released cobalt-60 in amounts comparable to those from the cement waste forms that had comparable original inventories (lysimeters 2 and 8). The small fraction of cobalt-60 that is sufficiently mobile to appear in the lysimeter leachate is also consistent with the small amount of mobile cobalt-60 leached in laboratory diffusion studies. Although the absolute amounts (μCi) or the amounts of cobalt-60 relative to the starting inventory found in lysimeter drainages at the companion facilities at SRS differ, both sets of data show that vinyl-ester styrene solidification appears to be as good as or better than cement for containing cobalt. However, the SRS data also suggest that cement is a better waste form than vinyl-ester styrene for encapsulating strontium-90.

Laboratory leaching tests support the field observation that tritium is released from cement waste forms rapidly. Laboratory data also suggest that cesium should be released from cement waste forms. However, only trace amounts of cesium-137 have been detected in two of the lysimeters for the last one or two years. This observation does not refute the laboratory observation, because any cesium released from the waste form would be strongly absorbed onto the soil and its appearance in lysimeter leachate would be delayed. The best opportunity to test the correlation between laboratory and field release of cesium will be when the lysimeters are decommissioned and the soil surrounding the waste forms can be sampled. In fact, some coring has already been done at the SRS (Walter et al. 1988; Columbo et al. 1986) and the cesium-137 content in the soils within a few inches of the cementitious buried waste forms was $0.3 \mu\text{Ci/g}$, whereas drainage waters contain less than $1 \times 10^{-6} \mu\text{Ci/mL}$, or five orders of magnitude less.

Certainly the data refute the instantaneous release assumption, which is to be expected. Common methods of expressing a fixed or time-dependent release include assuming a constant amount, a constant percent of inventory, or a decreasing amount per year based on laboratory diffusion tests. The data from the SWLA lysimeters show that perhaps a more reasonable approach to modeling a time-dependent release would be to relate

the amount released to the amount of drainage water passing through the waste zone. For the release of tritium, the linear curves of Figure 5 provide a simple form of a fixed-release estimate. In the case of cobalt-60, the release expressed as total microcuries per year does decrease similarly to what is observed in laboratory diffusion tests (if the first year of inactivity is ignored). Alternatively, a rather simple curve could be fit to the release of cobalt-60 expressed as microcuries per centimeter of drainage water. Clearly, fixed release rates based on constant amounts or constant percentages of inventory are not supported by the field data for cobalt-60.

4.0 SUMMARY

This report documents, with five comprehensive appendixes, nine years of monitoring data on meteorological, hydrologic, and geochemical migration/leaching attributes, under natural conditions, for ten solid waste forms buried in the near-surface at the Hanford Site. These data and earlier reports on waste and soil characteristics provide PA modelers and code users a comprehensive data set for validating source-term models.

One section of the report describes source-term conceptual models and past examples of the use of each model to predict burial ground performance. In general, past efforts have relied on simple but overly conservative models because users lacked the data necessary to use more mechanistic or process-based models. It is the authors' hope that the PA modelers and code users will find this documented data set complete enough to allow detailed and sophisticated calculations to be performed. It is quite possible that the data set will allow the objective selection of which source-term conceptual model best describes release of selected radionuclides (e.g., cesium-137, cobalt-60, and tritium) and selected chemicals (e.g., Na, SO_4 , and B) from waste forms solidified with cement, bitumen, and vinyl-ester styrene. It may also be possible to extrapolate or project the applicability of the best conceptual source-term model to other contaminants of greater importance to nuclear waste disposal in shallow land-disposal units.

A qualitative analysis of the monitoring data with various laboratory studies performed on identical waste forms (Walter et al. 1988; Neilson et al. 1983) and comparable field studies at the humid Savannah River Site (Oblath and Grant 1985) was discussed. The analysis suggests that the behavior of the radionuclides cesium-137, strontium-90, and tritium in the semiarid and humid field environments is similar and that it can be generally predicted in the field by short-term laboratory tests. Key conclusions from the qualitative analyses include the following:

- (a) Tritium leaches quite readily from cementitious waste forms and does not appear to adsorb significantly on soil. Nothing can be concluded about the efficacy of vinyl-ester styrene or bitumen solidification of tritium wastes because tritium was not present in the waste forms solidified in those materials.
- (b) A small amount ($<1\%$) of cobalt-60 rapidly leaches from the cementitious waste forms and moves through the soil (K_d for SRS and PNL data ~ 10 and ~ 0 mL/g, respectively). The leached cobalt-60 appears to be anionic, suggesting that it is not free metal ions but complexed with organic chelating agents present in the original waste. Most of the field data suggest that the release of cobalt-60 from vinyl-ester styrene is up to ten times slower than release from cement. The cobalt-60 leached from vinyl-ester styrene waste forms also exhibits anionic behavior. There is not enough cobalt-60 present in

the bitumen waste forms to provide adequate data on the release of cobalt-60 from bitumen in comparison to other solidification agents. Some laboratory data (Columbo et al. 1986) and the SWLA field data for lysimeter #4 suggest that cobalt-60 leaching from vinyl-ester styrene waste forms is about the same as from cement, in conflict with SRS field observations.

- (c) Cesium-137 readily leaches from cementitious waste forms (based on laboratory data, squeezing solution from soils in contact with the waste forms and directly coring neighboring soil), but cesium is rapidly and very selectively adsorbed on soil. The release of cesium from bitumen and vinyl-ester styrene is slower than from cement. For vinyl-ester styrene, this observation is also corroborated by SRS field data. In either site's soil, all cesium released from solid wastes is readily adsorbed by soil within a small distance from the waste form, regardless of the waste form constituency.
- (d) The SRS field data for strontium-90 suggest that more strontium leaches from vinyl-ester styrene-solidified waste forms than from cementitious waste forms. A likely reason is that strontium substitutes for calcium in the cement-formed gels and also forms insoluble compounds in the high-pH environment in cement pore waters. The small amount of strontium that does leach from waste forms likely adsorbs moderately well onto soils, further lowering its mobility.

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APPENDIX A

PRECIPITATION RECORDS

APPENDIX A

PRECIPITATION RECORDS

Two tables are presented in this appendix. The first table lists rain and snow precipitation for each month for the period March 27, 1984, through May 20, 1993.

Two monitoring stations are represented. The two monitoring stations are approximately 40 kilometers apart. The first, labeled HMS, is the Hanford Meteorological Station, located in the center of the Hanford Site near the 200 West Area. The second monitoring station, labeled BWTF, is the Buried Waste Test Facility, adjacent to the SWLA facility. The BWTF and SWLA are located in the southeastern part of the Hanford Site just north and slightly west of the 300 Area.

The first table shows monthly and annual total averages for the period 1984-1993 at both monitoring stations. Historical averages for 1912-1980 for the HMS and for 1946-1980 for the City of Richland, Washington, are also shown. In general, annual precipitation at the lysimeter site is the same as at Richland and about 1 cm/yr greater than at the HMS.

The second table is a running tally of each daily rain event at the SWLA and a comparison with the HMS.

MONTHLY PRECIPITATION (cm)
Mar 27, 1984 thru May 20, 1993

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
HMS 1984			0.20	1.52	1.40	2.51	0.15	0.00	1.07	0.18	4.62	1.45	13.11
1985	0.86	2.08	0.91	0.03	0.30	0.38	0.30	0.03	1.60	1.17	3.15	2.13	12.95
1986	4.47	3.48	1.93	0.00	0.76	0.00	0.53	0.05	2.44	0.74	1.65	1.96	18.00
1987	2.03	0.48	2.67	0.36	0.43	0.28	1.27	0.18	0.03	0.00	1.02	4.17	12.90
1988	1.22	0.00	0.99	2.84	0.84	0.28	0.33	0.00	0.99	0.03	2.06	1.02	10.59
1989	0.53	4.24	3.96	2.13	1.50	0.03	0.03	0.66	0.00	1.07	2.64	0.74	17.53
1990	1.96	0.46	0.25	0.99	2.21	0.91	0.36	2.11	0.00	1.98	0.05	1.83	13.11
1991	0.84	0.48	2.84	1.14	1.24	3.43	0.74	0.18	0.00	1.35	3.66	1.02	16.92
1992	1.12	2.39	0.23	2.39	0.00	2.90	0.97	0.51	0.69	1.55	2.72	4.62	20.07
1993	7.75	3.13	1.72	2.68	0.97								16.26
AVG	2.31	1.86	1.57	1.41	1.07	1.19	0.52	0.46	1.13	1.01	2.40	2.10	15.26
HMS AVG (1912-1980)	2.44	1.45	1.07	1.04	1.35	1.42	0.46	0.74	0.79	1.42	2.06	2.29	16.51
BWTF 1984			0.81	2.30	1.05	1.92	0.09	0.12	1.33	0.63	4.82	2.71	15.78
1985	1.16	1.33	1.16	0.36	1.12	0.36	0.25	0.11	1.13	0.09	3.25	2.14	12.46
1986	4.57	4.95	4.05	0.13	1.46	0.30	0.79	0.00	2.89	1.45	1.73	2.03	24.35
1987	3.90	0.72	2.56	0.97	1.34	0.10	0.26	0.15	0.03	0.00	1.04	4.33	15.40
1988	1.68	0.05	1.29	1.45	1.89	0.41	0.53	0.00	0.99	0.00	3.16	1.04	12.49
1989	1.06	3.13	3.85	2.17	2.05	0.18	0.00	1.60	0.00	1.32	2.94	0.92	19.23
1990	2.21	1.27	0.74	1.35	1.34	0.77	0.48	1.82	0.00	3.45	0.05	1.22	14.69
1991	1.51	0.82	2.99	0.78	2.40	1.67	0.27	0.08	0.00	1.53	4.21	0.87	17.15
1992	1.82	2.89	0.33	3.81	0.00	2.13	3.04	0.96	0.52	1.64	4.55	3.70	25.40
1993	3.30	2.97	1.70	1.80	0.61								10.39
AVG	2.36	2.01	1.95	1.51	1.47	0.87	0.64	0.61	1.15	1.26	2.86	2.11	17.65
RICH AVG (1946-1980)	2.54	1.78	1.30	1.07	1.45	0.82	0.43	0.76	0.74	1.40	2.24	2.64	17.68

Precipitation Record of BWTF and HMS
March 27, 1984 thru May 20, 1993

Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
85	03-26-84	0.00	0.00	0.03	0.03	-0.03
86	03-27-84	0.33	0.33	0.00	0.03	0.31
87	03-28-84	0.33	0.66	0.18	0.20	0.46
90	03-31-84	0.15	0.81	0.00	0.20	0.61
91	04-01-84	0.05	0.86	0.00	0.20	0.66
93	04-03-84	0.15	1.01	0.00	0.20	0.81
94	04-04-84	0.07	1.08	0.33	0.53	0.55
96	04-06-84	0.67	1.75	0.00	0.53	1.22
97	04-07-84	0.00	1.75	0.56	1.09	0.66
98	04-08-84	0.13	1.88	0.00	1.09	0.79
99	04-09-84	0.10	1.98	0.00	1.09	0.89
102	04-12-84	0.00	1.98	0.03	1.12	0.86
103	04-13-84	0.01	1.99	0.00	1.12	0.87
104	04-14-84	0.04	2.03	0.00	1.12	0.91
105	04-15-84	0.11	2.14	0.00	1.12	1.02
107	04-17-84	0.09	2.23	0.00	1.12	1.11
108	04-18-84	0.00	2.23	0.30	1.42	0.81
109	04-19-84	0.02	2.25	0.00	1.42	0.83
111	04-21-84	0.01	2.26	0.00	1.42	0.84
113	04-23-84	0.03	2.29	0.00	1.42	0.87
116	04-26-84	0.03	2.32	0.00	1.42	0.90
117	04-27-84	0.02	2.34	0.00	1.42	0.92
119	04-29-84	0.41	2.75	0.00	1.42	1.33
120	04-30-84	0.36	3.11	0.30	1.73	1.38
121	05-01-84	0.00	3.11	0.48	2.21	0.90
123	05-03-84	0.01	3.12	0.00	2.21	0.91
124	05-04-84	0.04	3.16	0.00	2.21	0.95
130	05-10-84	0.07	3.23	0.00	2.21	1.02
131	05-11-84	0.06	3.29	0.10	2.31	0.98
133	05-13-84	0.04	3.33	0.13	2.44	0.89
134	05-14-84	0.02	3.35	0.18	2.62	0.73
138	05-18-84	0.24	3.59	0.00	2.62	0.97
139	05-19-84	0.00	3.59	0.08	2.69	0.90
141	05-21-84	0.38	3.97	0.00	2.69	1.28
142	05-22-84	0.00	3.97	0.30	3.00	0.97
144	05-24-84	0.14	4.11	0.00	3.00	1.11
145	05-25-84	0.05	4.16	0.13	3.13	1.03
152	06-01-84	0.04	4.20	0.00	3.13	1.07
154	06-03-84	0.81	5.01	0.00	3.13	1.88
155	06-04-84	0.02	5.03	0.64	3.76	1.27
157	06-06-84	0.24	5.27	0.00	3.76	1.51
158	06-07-84	0.00	5.27	0.18	3.94	1.33
162	06-11-84	0.03	5.30	0.00	3.94	1.36
163	06-12-84	0.00	5.30	0.03	3.96	1.34
170	06-19-84	0.35	5.65	0.00	3.96	1.69
171	06-20-84	0.04	5.69	0.61	4.57	1.12
172	06-21-84	0.00	5.69	0.08	4.65	1.04
176	06-25-84	0.16	5.85	0.00	4.65	1.20
179	06-28-84	0.23	6.08	0.58	5.23	0.85
180	06-29-84	0.00	6.08	0.41	5.64	0.44
209	07-28-84	0.09	6.17	0.15	5.79	0.38
216	08-04-84	0.05	6.22	0.00	5.79	0.43
238	08-26-84	0.07	6.29	0.00	5.79	0.50
247	09-04-84	0.06	6.35	0.00	5.79	0.56

Precipitation Record of BWTF and HMS
March 27, 1984 thru May 20, 1993

Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
248	09-05-84	0.00	6.35	0.08	5.87	0.48
249	09-06-84	0.00	6.35	0.03	5.89	0.46
262	09-19-84	0.17	6.52	0.00	5.89	0.63
263	09-20-84	0.00	6.52	0.28	6.17	0.35
264	09-21-84	0.81	7.33	0.00	6.17	1.16
265	09-22-84	0.29	7.62	0.51	6.68	0.94
266	09-23-84	0.00	7.62	0.18	6.86	0.76
282	10-09-84	0.16	7.78	0.00	6.86	0.92
283	10-10-84	0.08	7.86	0.00	6.86	1.00
285	10-12-84	0.00	7.86	0.08	6.93	0.93
296	10-23-84	0.00	7.86	0.05	6.98	0.88
299	10-26-84	0.00	7.86	0.05	7.03	0.83
304	10-31-84	0.39	8.25	0.00	7.03	1.21
305	11-01-84	0.38	8.63	0.08	7.11	1.52
306	11-02-84	0.00	8.63	0.61	7.72	0.91
307	11-03-84	0.00	8.63	0.03	7.75	0.88
309	11-05-84	0.02	8.65	0.00	7.75	0.90
313	11-09-84	0.50	9.15	0.00	7.75	1.40
314	11-10-84	0.24	9.39	0.30	8.05	1.34
315	11-11-84	0.21	9.60	0.36	8.41	1.19
316	11-12-84	0.21	9.81	0.15	8.56	1.25
317	11-13-84	0.00	9.81	0.13	8.69	1.12
319	11-15-84	0.07	9.88	0.00	8.69	1.19
321	11-17-84	0.20	10.08	0.25	8.94	1.14
322	11-18-84	0.00	10.08	0.13	9.07	1.01
323	11-19-84	0.64	10.72	0.03	9.09	1.63
324	11-20-84	0.00	10.72	0.66	9.75	0.97
326	11-22-84	0.83	11.55	0.00	9.75	1.80
327	11-23-84	0.02	11.57	0.51	10.26	1.31
328	11-24-84	0.00	11.57	0.08	10.34	1.23
330	11-26-84	1.18	12.75	0.00	10.34	2.41
331	11-27-84	0.20	12.95	1.25	11.58	1.37
332	11-28-84	0.12	13.07	0.03	11.61	1.46
333	11-29-84	0.00	13.07	0.05	11.66	1.41
341	12-07-84	0.08	13.15	0.00	11.66	1.49
342	12-08-84	0.95	14.10	0.00	11.66	2.44
343	12-09-84	0.25	14.35	0.36	12.01	2.34
344	12-10-84	0.11	14.46	0.00	12.01	2.45
345	12-11-84	0.22	14.68	0.13	12.14	2.54
346	12-12-84	0.00	14.68	0.13	12.27	2.41
347	12-13-84	0.03	14.71	0.00	12.27	2.44
350	12-16-84	0.06	14.77	0.00	12.27	2.50
351	12-17-84	0.00	14.77	0.46	12.72	2.05
353	12-19-84	0.09	14.86	0.00	12.72	2.14
354	12-20-84	0.03	14.89	0.05	12.78	2.11
358	12-24-84	0.03	14.92	0.00	12.78	2.14
361	12-27-84	0.15	15.07	0.00	12.78	2.29
362	12-28-84	0.69	15.76	0.00	12.78	2.98
363	12-29-84	0.02	15.78	0.33	13.11	2.67
363	12-29-84	0.03	15.81	0.00	13.11	2.70
363	12-29-84	0.03	15.84	0.00	13.11	2.73
363	12-29-84	0.03	15.87	0.00	13.11	2.76
363	12-29-84	0.00	15.87	0.18	13.28	2.59
363	12-29-84	0.61	16.48	0.66	13.94	2.54
363	12-29-84	0.36	16.84	0.00	13.94	2.90

Precipitation Record of BWTF and HMS
March 27, 1984 thru May 20, 1993

Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
363	12-29-84	0.10	16.94	0.03	13.97	2.97
397	02-01-85	0.00	16.94	0.66	14.63	2.31
398	02-02-85	0.08	17.02	0.00	14.63	2.39
399	02-03-85	0.08	17.10	0.00	14.63	2.47
400	02-04-85	0.03	17.13	0.00	14.63	2.50
401	02-05-85	0.08	17.21	0.03	14.65	2.56
402	02-06-85	0.08	17.29	0.08	14.73	2.56
403	02-07-85	0.03	17.32	0.69	15.42	1.90
404	02-08-85	0.53	17.85	0.30	15.72	2.13
405	02-09-85	0.10	17.95	0.18	15.90	2.05
407	02-11-85	0.20	18.15	0.15	16.05	2.10
408	02-12-85	0.03	18.18	0.00	16.05	2.13
412	02-16-85	0.03	18.21	0.00	16.05	2.16
415	02-19-85	0.03	18.24	0.00	16.05	2.19
419	02-23-85	0.03	18.27	0.00	16.05	2.22
425	03-01-85	0.03	18.30	0.00	16.05	2.25
428	03-04-85	0.76	19.06	0.41	16.46	2.60
444	03-20-85	0.03	19.09	0.00	16.46	2.63
447	03-23-85	0.08	19.17	0.20	16.66	2.51
450	03-26-85	0.18	19.35	0.23	16.89	2.46
451	03-27-85	0.05	19.40	0.00	16.89	2.51
453	03-29-85	0.00	19.40	0.05	16.94	2.46
454	03-30-85	0.03	19.43	0.03	16.96	2.47
471	04-16-85	0.15	19.58	0.00	16.96	2.62
477	04-22-85	0.13	19.71	0.03	16.99	2.72
478	04-23-85	0.08	19.79	0.00	16.99	2.80
489	05-04-85	0.00	19.79	0.03	17.01	2.78
498	05-13-85	0.18	19.97	0.28	17.29	2.68
508	05-23-85	0.66	20.63	0.00	17.29	3.34
514	05-29-85	0.28	20.91	0.00	17.29	3.62
522	06-06-85	0.33	21.24	0.36	17.65	3.59
523	06-07-85	0.03	21.27	0.03	17.67	3.60
577	07-31-85	0.25	21.52	0.30	17.98	3.54
578	08-01-85	0.03	21.55	0.00	17.98	3.57
579	08-02-85	0.03	21.58	0.00	17.98	3.60
581	08-04-85	0.05	21.63	0.03	18.00	3.63
609	09-01-85	0.00	21.63	0.05	18.05	3.58
616	09-08-85	0.20	21.83	0.25	18.31	3.52
617	09-09-85	0.03	21.86	0.18	18.49	3.37
618	09-10-85	0.36	22.22	0.15	18.64	3.58
619	09-11-85	0.38	22.60	0.10	18.74	3.86
620	09-12-85	0.05	22.65	0.00	18.74	3.91
621	09-13-85	0.03	22.68	0.28	19.02	3.66
622	09-14-85	0.00	22.68	0.10	19.12	3.56
624	09-16-85	0.03	22.71	0.08	19.20	3.51
625	09-17-85	0.05	22.76	0.41	19.60	3.16
644	10-06-85	0.00	22.76	0.30	19.91	2.85
645	10-07-85	0.00	22.76	0.64	20.54	2.22
648	10-10-85	0.03	22.79	0.23	20.77	2.02
660	10-22-85	0.03	22.82	0.00	20.77	2.05
662	10-24-85	0.03	22.85	0.00	20.77	2.08
673	11-04-85	0.08	22.93	0.10	20.87	2.06
677	11-08-85	0.00	22.93	0.08	20.95	1.98
678	11-09-85	0.20	23.13	0.00	20.95	2.18
679	11-10-85	0.10	23.23	0.10	21.05	2.18

Precipitation Record of BWTF and HMS
March 27, 1984 thru May 20, 1993

Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
684	11-15-85	0.43	23.66	0.43	21.48	2.18
686	11-17-85	0.28	23.94	0.28	21.76	2.18
688	11-19-85	0.33	24.27	0.33	22.09	2.18
689	11-20-85	0.13	24.40	0.13	22.22	2.18
690	11-21-85	1.27	25.67	1.27	23.49	2.18
691	11-22-85	0.05	25.72	0.05	23.54	2.18
694	11-25-85	0.03	25.75	0.03	23.57	2.18
696	11-27-85	0.20	25.95	0.20	23.77	2.18
698	11-29-85	0.10	26.05	0.10	23.87	2.18
699	11-30-85	0.05	26.10	0.05	23.92	2.18
700	12-01-85	0.08	26.18	0.08	24.00	2.18
701	12-02-85	0.86	27.04	0.86	24.86	2.18
705	12-06-85	0.46	27.50	0.46	25.32	2.18
706	12-07-85	0.71	28.21	0.71	26.03	2.18
723	12-24-85	0.03	28.24	0.03	26.06	2.18
723	12-24-85	0.10	28.34	0.03	26.08	2.26
723	12-24-85	0.28	28.62	0.10	26.18	2.44
723	12-24-85	0.00	28.62	0.03	26.21	2.41
723	12-24-85	0.41	29.03	0.48	26.69	2.34
723	12-24-85	0.14	29.17	0.00	26.69	2.48
723	12-24-85	0.28	29.45	0.28	26.97	2.48
723	12-24-85	0.23	29.68	0.15	27.12	2.56
723	12-24-85	0.36	30.04	0.51	27.63	2.41
723	12-24-85	0.13	30.17	0.25	27.88	2.29
723	12-24-85	0.03	30.20	0.15	28.04	2.16
723	12-24-85	0.03	30.23	0.00	28.04	2.19
723	12-24-85	0.56	30.79	0.91	28.95	1.84
723	12-24-85	0.05	30.84	0.03	28.97	1.87
723	12-24-85	0.33	31.17	0.20	29.18	1.99
723	12-24-85	0.30	31.47	0.48	29.66	1.81
723	12-24-85	0.58	32.05	0.53	30.19	1.86
723	12-24-85	0.76	32.81	0.30	30.50	2.31
723	12-24-85	0.00	32.81	0.03	30.52	2.29
762	02-01-86	0.03	32.84	0.05	30.57	2.27
763	02-02-86	0.36	33.20	0.13	30.70	2.50
764	02-03-86	0.05	33.25	0.03	30.73	2.52
765	02-04-86	0.53	33.78	0.53	31.26	2.52
766	02-05-86	0.03	33.81	0.00	31.26	2.55
772	02-11-86	0.03	33.84	0.03	31.28	2.56
773	02-12-86	0.93	34.77	0.51	31.79	2.98
774	02-13-86	0.02	34.79	0.00	31.79	3.00
775	02-14-86	1.19	35.98	0.99	32.78	3.20
776	02-15-86	0.28	36.26	0.30	33.09	3.17
782	02-21-86	0.56	36.82	0.51	33.60	3.22
784	02-23-86	0.94	37.76	0.41	34.00	3.76
796	03-07-86	0.91	38.67	0.53	34.54	4.13
797	03-08-86	0.38	39.05	0.33	34.87	4.18
798	03-09-86	0.05	39.10	0.00	34.87	4.23
799	03-10-86	0.10	39.20	0.05	34.92	4.28
801	03-12-86	0.08	39.28	0.23	35.15	4.13
802	03-13-86	0.46	39.74	0.08	35.22	4.52
803	03-14-86	0.18	39.92	0.00	35.22	4.70
807	03-18-86	0.03	39.95	0.03	35.25	4.70
812	03-23-86	1.07	41.02	0.66	35.91	5.11
813	03-24-86	0.28	41.30	0.00	35.91	5.39

Precipitation Record of BWTF and HMS
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Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS -(cm)
814	03-25-86	0.00	41.30	0.03	35.93	5.37
815	03-26-86	0.13	41.43	0.00	35.93	5.50
819	03-30-86	0.38	41.81	0.00	35.93	5.88
832	04-12-86	0.05	41.86	0.00	35.93	5.93
833	04-13-86	0.03	41.89	0.00	35.93	5.96
846	04-26-86	0.05	41.94	0.00	35.93	6.01
852	05-02-86	0.08	42.02	0.03	35.96	6.06
853	05-03-86	0.05	42.07	0.03	35.98	6.09
855	05-05-86	0.03	42.10	0.03	36.01	6.09
856	05-06-86	0.38	42.48	0.51	36.51	5.97
859	05-09-86	0.36	42.84	0.00	36.51	6.33
871	05-21-86	0.56	43.40	0.10	36.62	6.78
876	05-26-86	0.00	43.40	0.08	36.69	6.71
909	06-28-86	0.30	43.70	0.00	36.69	7.01
913	07-02-86	0.30	44.00	0.18	36.87	7.13
914	07-03-86	0.03	44.03	0.08	36.95	7.08
915	07-04-86	0.38	44.41	0.25	37.20	7.21
919	07-08-86	0.00	44.41	0.03	37.23	7.18
927	07-16-86	0.08	44.49	0.00	37.23	7.26
971	08-29-86	0.00	44.49	0.05	37.28	7.21
986	09-13-86	0.04	44.53	0.08	37.35	7.18
988	09-15-86	0.83	45.36	1.37	38.72	6.64
989	09-16-86	0.10	45.46	0.00	38.72	6.74
990	09-17-86	0.08	45.54	0.15	38.88	6.66
992	09-19-86	0.78	46.32	0.10	38.98	7.34
996	09-23-86	0.62	46.94	0.53	39.51	7.43
1000	09-27-86	0.00	46.94	0.03	39.54	7.40
1002	09-29-86	0.44	47.38	0.18	39.71	7.67
1028	10-25-86	0.00	47.38	0.08	39.79	7.59
1029	10-26-86	0.65	48.03	0.20	39.99	8.04
1032	10-29-86	0.80	48.83	0.46	40.45	8.38
1039	11-05-86	0.00	48.83	0.05	40.50	8.33
1041	11-07-86	0.00	48.83	0.13	40.63	8.20
1047	11-13-86	0.09	48.92	0.00	40.63	8.29
1056	11-22-86	0.09	49.01	0.00	40.63	8.38
1057	11-23-86	0.45	49.46	0.00	40.63	8.83
1058	11-24-86	0.32	49.78	0.43	41.06	8.72
1060	11-26-86	0.11	49.89	0.28	41.34	8.55
1061	11-27-86	0.16	50.05	0.28	41.62	8.43
1062	11-28-86	0.51	50.56	0.48	42.10	8.46
1068	12-04-86	0.15	50.71	0.28	42.38	8.33
1069	12-05-86	0.44	51.15	0.48	42.86	8.29
1077	12-13-86	0.32	51.47	0.30	43.17	8.30
1080	12-16-86	0.02	51.49	0.00	43.17	8.32
1081	12-17-86	0.18	51.67	0.03	43.19	8.48
1082	12-18-86	0.38	52.05	0.20	43.40	8.65
1083	12-19-86	0.28	52.33	0.10	43.50	8.83
1086	12-22-86	0.06	52.39	0.08	43.57	8.82
1087	12-23-86	0.03	52.42	0.00	43.57	8.85
1088	12-24-86	0.04	52.46	0.08	43.65	8.81
1089	12-25-86	0.00	52.46	0.20	43.85	8.61
1090	12-26-86	0.13	52.59	0.10	43.96	8.63
1091	12-27-86	0.00	52.59	0.03	43.98	8.61
1092	12-28-86	0.00	52.59	0.08	44.06	8.53
1092	12-28-86	0.99	53.58	0.51	44.56	9.02

Precipitation Record of BWTF and HMS
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Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
1092	12-28-86	0.58	54.16	0.30	44.87	9.29
1092	12-28-86	0.28	54.44	0.05	44.92	9.52
1092	12-28-86	0.00	54.44	0.03	44.95	9.49
1092	12-28-86	0.21	54.65	0.15	45.10	9.55
1092	12-28-86	0.53	55.18	0.41	45.50	9.68
1092	12-28-86	0.48	55.66	0.20	45.71	9.95
1092	12-28-86	0.00	55.66	0.05	45.76	9.90
1092	12-28-86	0.83	56.49	0.33	46.09	10.40
1128	02-02-87	0.07	56.56	0.00	46.09	10.47
1137	02-11-87	0.00	56.56	0.08	46.16	10.40
1138	02-12-87	0.03	56.59	0.03	46.19	10.40
1139	02-13-87	0.30	56.89	0.28	46.47	10.42
1140	02-14-87	0.09	56.98	0.00	46.47	10.51
1141	02-15-87	0.09	57.07	0.00	46.47	10.60
1142	02-16-87	0.14	57.21	0.00	46.47	10.74
1148	02-22-87	0.00	57.21	0.10	46.57	10.64
1156	03-02-87	0.13	57.34	0.00	46.57	10.77
1157	03-03-87	0.15	57.49	0.20	46.77	10.72
1158	03-04-87	0.03	57.52	0.00	46.77	10.75
1159	03-05-87	0.05	57.57	0.05	46.82	10.75
1160	03-06-87	0.05	57.62	0.05	46.87	10.75
1162	03-08-87	0.03	57.65	0.10	46.98	10.67
1163	03-09-87	0.03	57.68	0.00	46.98	10.70
1164	03-10-87	0.00	57.68	0.03	47.00	10.68
1165	03-11-87	0.10	57.78	0.13	47.13	10.65
1166	03-12-87	0.74	58.52	1.07	48.20	10.32
1167	03-13-87	0.08	58.60	0.00	48.20	10.40
1168	03-14-87	0.25	58.85	0.28	48.47	10.38
1169	03-15-87	0.25	59.10	0.46	48.93	10.17
1171	03-17-87	0.03	59.13	0.00	48.93	10.20
1172	03-18-87	0.03	59.16	0.00	48.93	10.23
1173	03-19-87	0.61	59.77	0.30	49.24	10.53
1195	04-10-87	0.23	60.00	0.00	49.24	10.76
1202	04-17-87	0.38	60.38	0.30	49.54	10.84
1213	04-28-87	0.36	60.74	0.00	49.54	11.20
1215	04-30-87	0.00	60.74	0.05	49.59	11.15
1227	05-12-87	0.15	60.89	0.00	49.59	11.30
1235	05-20-87	0.00	60.89	0.08	49.67	11.22
1245	05-30-87	1.19	62.08	0.36	50.02	12.06
1254	06-08-87	0.05	62.13	0.03	50.05	12.08
1260	06-14-87	0.00	62.13	0.03	50.07	12.06
1261	06-15-87	0.05	62.18	0.08	50.15	12.03
1266	06-20-87	0.00	62.18	0.08	50.23	11.95
1267	06-21-87	0.00	62.18	0.08	50.30	11.88
1278	07-02-87	0.23	62.41	0.15	50.45	11.96
1285	07-09-87	0.00	62.41	0.69	51.14	11.27
1293	07-17-87	0.00	62.41	0.13	51.27	11.14
1294	07-18-87	0.03	62.44	0.30	51.57	10.87
1320	08-13-87	0.15	62.59	0.10	51.67	10.92
1321	08-14-87	0.00	62.59	0.03	51.70	10.89
1331	08-24-87	0.00	62.59	0.05	51.75	10.84
1364	09-26-87	0.03	62.62	0.03	51.78	10.84
1400	11-01-87	0.30	62.92	0.46	52.23	10.69
1401	11-02-87	0.03	62.95	0.00	52.23	10.72
1410	11-11-87	0.05	63.00	0.05	52.28	10.72

Precipitation Record of BWTF and HMS
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Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
1411	11-12-87	0.00	63.00	0.05	52.34	10.66
1412	11-13-87	0.41	63.41	0.25	52.59	10.82
1423	11-24-87	0.05	63.46	0.00	52.59	10.87
1429	11-30-87	0.20	63.66	0.20	52.79	10.87
1430	12-01-87	0.51	64.17	0.28	53.07	11.10
1431	12-02-87	0.93	65.10	0.66	53.73	11.37
1432	12-03-87	0.31	65.41	0.30	54.04	11.37
1433	12-04-87	0.21	65.62	0.05	54.09	11.53
1434	12-05-87	0.27	65.89	0.18	54.27	11.63
1435	12-06-87	0.44	66.33	0.38	54.65	11.68
1438	12-09-87	0.93	67.26	1.40	56.04	11.22
1444	12-15-87	0.12	67.38	0.23	56.27	11.11
1445	12-16-87	0.34	67.72	0.48	56.75	10.97
1449	12-20-87	0.08	67.80	0.00	56.75	11.05
1457	12-28-87	0.19	67.99	0.20	56.96	11.03
1457	12-28-87	0.05	68.04	0.05	57.01	11.03
1457	12-28-87	0.07	68.11	0.05	57.06	11.05
1457	12-28-87	0.44	68.55	0.33	57.39	11.16
1457	12-28-87	0.26	68.81	0.18	57.57	11.24
1457	12-28-87	0.61	69.42	0.41	57.97	11.45
1457	12-28-87	0.07	69.49	0.00	57.97	11.52
1457	12-28-87	0.15	69.64	0.18	58.15	11.49
1457	12-28-87	0.03	69.67	0.03	58.18	11.49
1508	02-17-88	0.05	69.72	0.00	58.18	11.54
1524	03-04-88	0.33	70.05	0.15	58.33	11.72
1525	03-05-88	0.10	70.15	0.00	58.33	11.82
1526	03-06-88	0.00	70.15	0.03	58.35	11.80
1528	03-08-88	0.33	70.48	0.48	58.84	11.64
1542	03-22-88	0.00	70.48	0.08	58.91	11.57
1546	03-26-88	0.20	70.68	0.00	58.91	11.77
1548	03-28-88	0.10	70.78	0.23	59.14	11.64
1549	03-29-88	0.23	71.01	0.03	59.17	11.84
1553	04-02-88	0.28	71.29	0.03	59.19	12.10
1554	04-03-88	0.08	71.37	0.05	59.24	12.13
1568	04-17-88	0.56	71.93	0.91	60.16	11.77
1569	04-18-88	0.05	71.98	0.00	60.16	11.82
1570	04-19-88	0.12	72.10	0.08	60.23	11.87
1571	04-20-88	0.00	72.10	0.20	60.44	11.66
1573	04-22-88	0.03	72.13	0.18	60.61	11.52
1578	04-27-88	0.00	72.13	0.03	60.64	11.49
1579	04-28-88	0.15	72.28	1.22	61.86	10.42
1580	04-29-88	0.18	72.46	0.00	61.86	10.60
1581	04-30-88	0.00	72.46	0.15	62.01	10.45
1583	05-02-88	0.00	72.46	0.03	62.03	10.43
1589	05-08-88	0.00	72.46	0.03	62.06	10.40
1597	05-16-88	0.03	72.49	0.00	62.06	10.43
1599	05-18-88	0.36	72.85	0.05	62.11	10.74
1607	05-26-88	0.03	72.88	0.00	62.11	10.77
1608	05-27-88	0.00	72.88	0.03	62.14	10.74
1609	05-28-88	1.47	74.35	0.71	62.85	11.50
1613	06-01-88	0.13	74.48	0.05	62.90	11.58
1614	06-02-88	0.00	74.48	0.03	62.92	11.56
1615	06-03-88	0.05	74.53	0.00	62.92	11.61
1616	06-04-88	0.00	74.53	0.03	62.95	11.58
1617	06-05-88	0.18	74.71	0.18	63.13	11.58

Precipitation Record of BWTF and HMS
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Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
1621	06-09-88	0.05	74.76	0.00	63.13	11.63
1655	07-13-88	0.51	75.27	0.33	63.46	11.81
1656	07-14-88	0.03	75.29	0.00	63.46	11.84
1722	09-18-88	0.00	75.29	0.03	63.48	11.81
1723	09-19-88	0.69	75.98	0.64	64.12	11.86
1724	09-20-88	0.05	76.03	0.33	64.45	11.58
1730	09-26-88	0.20	76.23	0.00	64.45	11.78
1731	09-27-88	0.05	76.28	0.00	64.45	11.83
1752	10-18-88	0.00	76.28	0.03	64.47	11.81
1767	11-02-88	0.25	76.53	0.25	64.72	11.81
1769	11-04-88	0.00	76.53	0.05	64.78	11.76
1770	11-05-88	0.41	76.94	0.23	65.00	11.94
1771	11-06-88	0.06	77.00	0.03	65.03	11.97
1773	11-08-88	0.28	77.28	0.23	65.26	12.02
1774	11-09-88	0.00	77.28	0.08	65.33	11.94
1775	11-10-88	0.52	77.80	0.46	65.79	12.01
1776	11-11-88	0.00	77.80	0.05	65.84	11.96
1777	11-12-88	0.12	77.92	0.00	65.84	12.08
1780	11-15-88	0.00	77.92	0.23	66.07	11.85
1781	11-16-88	0.09	78.01	0.03	66.10	11.91
1782	11-17-88	0.11	78.12	0.05	66.15	11.97
1786	11-21-88	0.00	78.12	0.03	66.17	11.95
1787	11-22-88	1.12	79.24	0.25	66.43	12.81
1789	11-24-88	0.18	79.42	0.10	66.53	12.89
1790	11-25-88	0.03	79.44	0.00	66.53	12.91
1800	12-05-88	0.00	79.44	0.05	66.58	12.86
1801	12-06-88	0.15	79.59	0.10	66.68	12.91
1803	12-08-88	0.00	79.59	0.05	66.73	12.86
1813	12-18-88	0.07	79.66	0.13	66.86	12.80
1814	12-19-88	0.10	79.76	0.03	66.89	12.88
1815	12-20-88	0.34	80.10	0.33	67.22	12.89
1816	12-21-88	0.07	80.17	0.18	67.39	12.78
1817	12-22-88	0.31	80.48	0.15	67.55	12.94
1817	12-22-88	0.00	80.48	0.05	67.60	12.89
1817	12-22-88	0.34	80.82	0.33	67.93	12.90
1817	12-22-88	0.03	80.85	0.00	67.93	12.92
1817	12-22-88	0.28	81.13	0.03	67.95	13.18
1817	12-22-88	0.07	81.20	0.05	68.00	13.20
1817	12-22-88	0.07	81.27	0.00	68.00	13.27
1817	12-22-88	0.20	81.47	0.08	68.08	13.39
1817	12-22-88	0.03	81.50	0.00	68.08	13.42
1817	12-22-88	0.05	81.55	0.00	68.08	13.47
1858	02-01-89	0.00	81.55	0.64	68.71	12.84
1859	02-02-89	0.00	81.55	0.08	68.79	12.76
1873	02-16-89	0.73	82.28	1.07	69.86	12.42
1874	02-17-89	1.01	83.29	1.07	70.92	12.37
1875	02-18-89	0.63	83.92	0.64	71.56	12.36
1876	02-19-89	0.34	84.26	0.36	71.91	12.34
1877	02-20-89	0.07	84.33	0.00	71.91	12.41
1878	02-21-89	0.03	84.36	0.03	71.94	12.42
1879	02-22-89	0.32	84.68	0.38	72.32	12.36
1886	03-01-89	0.00	84.68	0.20	72.52	12.16
1887	03-02-89	0.06	84.74	0.18	72.70	12.04
1890	03-05-89	0.64	85.38	0.58	73.29	12.09
1891	03-06-89	0.04	85.42	0.00	73.29	12.13

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Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
1894	03-09-89	1.21	86.63	0.79	74.07	12.56
1896	03-11-89	0.35	86.98	0.61	74.68	12.30
1897	03-12-89	0.24	87.22	0.20	74.89	12.33
1898	03-13-89	0.19	87.41	0.00	74.89	12.52
1899	03-14-89	0.00	87.41	0.05	74.94	12.47
1900	03-15-89	0.00	87.41	0.05	74.99	12.42
1901	03-16-89	0.57	87.98	0.56	75.55	12.43
1903	03-18-89	0.06	88.04	0.10	75.65	12.39
1905	03-20-89	0.00	88.04	0.13	75.78	12.26
1906	03-21-89	0.04	88.08	0.03	75.80	12.28
1909	03-24-89	0.18	88.26	0.13	75.93	12.33
1910	03-25-89	0.27	88.53	0.36	76.28	12.24
1917	04-01-89	0.00	88.53	0.03	76.31	12.22
1935	04-19-89	0.03	88.56	0.05	76.36	12.20
1936	04-20-89	0.74	89.30	0.18	76.54	12.76
1937	04-21-89	0.19	89.49	0.18	76.72	12.77
1941	04-25-89	0.87	90.36	0.89	77.60	12.75
1942	04-26-89	0.09	90.45	0.10	77.71	12.74
1943	04-27-89	0.13	90.57	0.71	78.42	12.16
1944	04-28-89	0.05	90.62	0.00	78.42	12.21
1946	04-30-89	0.08	90.70	0.00	78.42	12.28
1947	05-01-89	0.36	91.06	0.30	78.72	12.33
1955	05-09-89	0.10	91.16	0.00	78.72	12.44
1956	05-10-89	0.10	91.26	0.00	78.72	12.54
1959	05-13-89	0.05	91.31	0.00	78.72	12.59
1968	05-22-89	0.00	91.31	0.15	78.87	12.44
1969	05-23-89	0.87	92.18	0.79	79.66	12.52
1973	05-27-89	0.57	92.75	0.20	79.86	12.89
1974	05-28-89	0.00	92.75	0.03	79.89	12.86
1975	05-29-89	0.00	92.75	0.03	79.91	12.84
1991	06-14-89	0.17	92.92	0.03	79.94	12.98
2004	06-27-89	0.01	92.93	0.00	79.94	12.99
2023	07-16-89	0.00	92.93	0.03	79.96	12.97
2047	08-09-89	1.32	94.25	0.18	80.14	14.11
2060	08-22-89	0.23	94.48	0.10	80.24	14.24
2062	08-24-89	0.03	94.51	0.03	80.27	14.24
2065	08-27-89	0.03	94.53	0.36	80.63	13.91
2101	10-02-89	0.00	94.53	0.10	80.73	13.80
2118	10-19-89	0.00	94.53	0.03	80.75	13.78
2120	10-21-89	0.48	95.01	0.36	81.11	13.91
2121	10-22-89	0.13	95.14	0.05	81.16	13.98
2122	10-23-89	0.28	95.42	0.23	81.39	14.03
2125	10-26-89	0.43	95.85	0.30	81.69	14.16
2142	11-12-89	1.75	97.60	1.19	82.89	14.72
2146	11-16-89	0.48	98.09	0.48	83.37	14.72
2147	11-17-89	0.13	98.21	0.13	83.50	14.72
2149	11-19-89	0.08	98.29	0.03	83.52	14.77
2153	11-23-89	0.30	98.59	0.36	83.88	14.71
2155	11-25-89	0.06	98.65	0.25	84.13	14.51
2156	11-26-89	0.15	98.80	0.20	84.33	14.46
2162	12-02-89	0.00	98.80	0.03	84.36	14.44
2163	12-03-89	0.22	99.02	0.18	84.54	14.48
2164	12-04-89	0.30	99.32	0.23	84.77	14.55
2167	12-07-89	0.00	99.32	0.03	84.79	14.53
2168	12-08-89	0.06	99.38	0.03	84.82	14.56

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Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
2184	12-24-89	0.03	99.41	0.00	84.82	14.59
2185	12-25-89	0.00	99.41	0.03	84.84	14.56
2186	12-26-89	0.03	99.43	0.05	84.89	14.54
2187	12-27-89	0.04	99.47	0.10	84.99	14.48
2188	12-28-89	0.24	99.71	0.08	85.07	14.64
2188	12-28-89	0.03	99.74	0.00	85.07	14.67
2188	12-28-89	1.12	100.85	0.79	85.86	15.00
2188	12-28-89	0.43	101.29	0.53	86.39	14.89
2188	12-28-89	0.03	101.31	0.03	86.42	14.89
2188	12-28-89	0.05	101.36	0.08	86.49	14.87
2188	12-28-89	0.03	101.39	0.00	86.49	14.89
2188	12-28-89	0.00	101.39	0.05	86.54	14.84
2188	12-28-89	0.03	101.41	0.00	86.54	14.87
2188	12-28-89	0.00	101.41	0.03	86.57	14.84
2188	12-28-89	0.41	101.82	0.33	86.90	14.92
2188	12-28-89	0.10	101.92	0.13	87.03	14.89
2225	02-03-90	0.10	102.02	0.15	87.18	14.84
2234	02-12-90	0.46	102.48	0.00	87.18	15.30
2237	02-15-90	0.63	103.11	0.05	87.23	15.88
2238	02-16-90	0.08	103.19	0.00	87.23	15.96
2239	02-17-90	0.00	103.19	0.25	87.48	15.70
2253	03-03-90	0.03	103.21	0.00	87.48	15.73
2254	03-04-90	0.08	103.29	0.05	87.53	15.75
2257	03-07-90	0.03	103.31	0.03	87.56	15.75
2258	03-08-90	0.05	103.36	0.00	87.56	15.81
2259	03-09-90	0.25	103.62	0.08	87.64	15.98
2260	03-10-90	0.00	103.62	0.03	87.66	15.96
2263	03-13-90	0.03	103.64	0.00	87.66	15.98
2264	03-14-90	0.08	103.72	0.00	87.66	16.06
2268	03-18-90	0.08	103.80	0.05	87.71	16.08
2272	03-22-90	0.13	103.92	0.03	87.74	16.19
2292	04-11-90	0.18	104.11	0.00	87.74	16.37
2294	04-13-90	0.00	104.11	0.03	87.76	16.35
2295	04-14-90	0.15	104.26	0.15	87.92	16.34
2303	04-22-90	0.04	104.29	0.15	88.07	16.23
2306	04-25-90	0.19	104.48	0.05	88.12	16.37
2308	04-27-90	0.80	105.28	0.61	88.73	16.55
2318	05-07-90	0.00	105.28	0.03	88.75	16.53
2319	05-08-90	0.03	105.31	0.00	88.75	16.56
2331	05-20-90	0.06	105.37	0.03	88.78	16.59
2332	05-21-90	0.25	105.62	0.00	88.78	16.84
2333	05-22-90	0.51	106.12	0.28	89.06	17.07
2334	05-23-90	0.00	106.12	0.84	89.90	16.23
2338	05-27-90	0.06	106.18	0.28	90.18	16.00
2339	05-28-90	0.14	106.32	0.18	90.35	15.96
2341	05-30-90	0.13	106.45	0.33	90.68	15.76
2342	05-31-90	0.17	106.62	0.25	90.94	15.68
2345	06-03-90	0.10	106.72	0.00	90.94	15.79
2348	06-06-90	0.60	107.33	0.91	91.85	15.48
2352	06-10-90	0.06	107.38	0.00	91.85	15.53
2396	07-24-90	0.04	107.42	0.15	92.00	15.41
2397	07-25-90	0.45	107.87	0.20	92.21	15.66
2422	08-19-90	0.03	107.90	0.03	92.23	15.67
2423	08-20-90	0.02	107.92	0.03	92.26	15.66
2424	08-21-90	1.68	109.60	1.93	94.19	15.41

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Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
2428	08-25-90	0.02	109.62	0.00	94.19	15.43
2431	08-28-90	0.07	109.69	0.00	94.19	15.50
2432	08-29-90	0.00	109.69	0.13	94.32	15.38
2467	10-03-90	0.04	109.73	0.05	94.37	15.36
2478	10-14-90	0.21	109.94	0.18	94.55	15.39
2479	10-15-90	0.13	110.07	0.00	94.55	15.52
2482	10-18-90	0.77	110.83	0.36	94.90	15.93
2485	10-21-90	0.20	111.04	0.05	94.95	16.09
2489	10-25-90	0.15	111.19	0.00	94.95	16.24
2493	10-29-90	0.07	111.26	0.03	94.98	16.28
2494	10-30-90	1.83	113.09	1.32	96.30	16.80
2495	10-31-90	0.04	113.14	0.00	96.30	16.84
2499	11-04-90	0.02	113.16	0.05	96.35	16.81
2519	11-24-90	0.02	113.18	0.00	96.35	16.83
2520	11-25-90	0.01	113.19	0.00	96.35	16.84
2534	12-09-90	0.03	113.21	0.43	96.78	16.43
2535	12-10-90	0.09	113.30	0.64	97.42	15.89
2543	12-18-90	0.05	113.35	0.03	97.44	15.91
2544	12-19-90	0.69	114.05	0.20	97.64	16.40
2550	12-25-90	0.01	114.06	0.00	97.64	16.42
2553	12-28-90	0.17	114.23	0.23	97.87	16.36
2555	12-30-90	0.17	114.40	0.00	97.87	16.53
2556	12-31-90	0.00	114.40	0.30	98.18	16.23
2556	12-31-90	0.02	114.42	0.00	98.18	16.25
2556	12-31-90	0.23	114.65	0.10	98.28	16.37
2556	12-31-90	0.26	114.91	0.23	98.51	16.40
2556	12-31-90	0.03	114.94	0.00	98.51	16.43
2556	12-31-90	0.27	115.20	0.18	98.69	16.52
2556	12-31-90	0.56	115.76	0.28	98.97	16.80
2556	12-31-90	0.15	115.91	0.03	98.99	16.92
2556	12-31-90	0.00	115.91	0.03	99.02	16.90
2590	02-03-91	0.00	115.91	0.03	99.04	16.87
2591	02-04-91	0.23	116.14	0.10	99.14	17.00
2592	02-05-91	0.04	116.18	0.05	99.19	16.99
2598	02-11-91	0.02	116.20	0.00	99.19	17.01
2599	02-12-91	0.19	116.39	0.10	99.30	17.10
2600	02-13-91	0.09	116.48	0.20	99.50	16.99
2605	02-18-91	0.10	116.58	0.00	99.50	17.08
2607	02-20-91	0.15	116.73	0.00	99.50	17.23
2616	03-01-91	0.00	116.73	0.03	99.52	17.21
2617	03-02-91	0.26	116.99	0.51	100.03	16.96
2618	03-03-91	0.47	117.46	0.38	100.41	17.05
2619	03-04-91	0.77	118.23	0.23	100.64	17.59
2626	03-11-91	0.13	118.35	0.00	100.64	17.71
2627	03-12-91	0.15	118.50	0.00	100.64	17.86
2634	03-19-91	0.12	118.62	0.00	100.64	17.98
2639	03-24-91	0.94	119.57	1.32	101.96	17.61
2640	03-25-91	0.15	119.72	0.38	102.34	17.38
2647	04-01-91	0.00	119.72	0.03	102.37	17.35
2650	04-04-91	0.06	119.77	0.00	102.37	17.41
2654	04-08-91	0.35	120.12	0.46	102.83	17.30
2655	04-09-91	0.00	120.12	0.03	102.85	17.27
2656	04-10-91	0.00	120.12	0.03	102.88	17.25
2660	04-14-91	0.04	120.16	0.03	102.90	17.26
2661	04-15-91	0.30	120.46	0.43	103.33	17.13

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Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
2674	04-28-91	0.04	120.50	0.15	103.49	17.01
2683	05-07-91	0.24	120.74	0.28	103.77	16.98
2684	05-08-91	0.43	121.18	0.18	103.94	17.24
2687	05-11-91	0.11	121.29	0.00	103.94	17.35
2688	05-12-91	0.03	121.31	0.03	103.97	17.35
2692	05-16-91	0.81	122.12	0.36	104.32	17.80
2693	05-17-91	0.71	122.83	0.41	104.73	18.10
2694	05-18-91	0.07	122.90	0.00	104.73	18.17
2712	06-05-91	0.69	123.59	1.24	105.98	17.62
2713	06-06-91	0.28	123.87	0.03	106.00	17.87
2714	06-07-91	0.24	124.11	0.08	106.08	18.04
2720	06-13-91	0.08	124.19	0.03	106.10	18.09
2726	06-19-91	0.11	124.30	0.23	106.33	17.97
2727	06-20-91	0.20	124.50	0.30	106.64	17.86
2728	06-21-91	0.05	124.55	0.08	106.71	17.84
2731	06-24-91	0.03	124.57	0.10	106.81	17.76
2736	06-29-91	0.00	124.57	1.35	108.16	16.41
2749	07-12-91	0.04	124.62	0.00	108.16	16.46
2750	07-13-91	0.00	124.62	0.08	108.24	16.38
2752	07-15-91	0.00	124.62	0.20	108.44	16.18
2753	07-16-91	0.08	124.70	0.15	108.59	16.11
2761	07-24-91	0.10	124.80	0.00	108.59	16.21
2768	07-31-91	0.04	124.85	0.30	108.90	15.95
2773	08-05-91	0.06	124.90	0.00	108.90	16.01
2774	08-06-91	0.03	124.93	0.18	109.07	15.86
2851	10-22-91	0.00	124.93	0.08	109.15	15.78
2853	10-24-91	0.23	125.16	0.30	109.46	15.70
2854	10-25-91	0.51	125.66	0.25	109.71	15.95
2855	10-26-91	0.09	125.75	0.03	109.73	16.01
2856	10-27-91	0.04	125.78	0.00	109.73	16.05
2857	10-28-91	0.15	125.94	0.28	110.01	15.92
2858	10-29-91	0.03	125.96	0.03	110.04	15.92
2860	10-31-91	0.51	126.47	0.38	110.42	16.05
2861	11-01-91	0.09	126.55	0.10	110.52	16.03
2864	11-04-91	0.64	127.19	0.61	111.13	16.06
2865	11-05-91	0.79	127.98	0.41	111.54	16.45
2867	11-07-91	0.03	128.01	0.03	111.56	16.45
2868	11-08-91	0.15	128.16	0.08	111.64	16.52
2869	11-09-91	0.05	128.21	0.05	111.69	16.52
2873	11-13-91	0.04	128.25	0.00	111.69	16.56
2876	11-16-91	0.06	128.32	0.36	112.05	16.27
2877	11-17-91	0.03	128.34	0.00	112.05	16.29
2878	11-18-91	0.07	128.41	0.00	112.05	16.36
2879	11-19-91	0.28	128.69	0.23	112.28	16.42
2883	11-23-91	0.07	128.76	0.05	112.33	16.43
2884	11-24-91	0.69	129.45	0.51	112.84	16.61
2885	11-25-91	0.18	129.63	0.08	112.91	16.72
2886	11-26-91	0.68	130.31	0.94	113.85	16.46
2888	11-28-91	0.37	130.68	0.23	114.08	16.60
2895	12-05-91	0.07	130.75	0.10	114.18	16.57
2896	12-06-91	0.03	130.78	0.23	114.41	16.37
2908	12-18-91	0.15	130.94	0.18	114.59	16.35
2911	12-21-91	0.48	131.42	0.36	114.94	16.47
2912	12-22-91	0.09	131.50	0.05	115.00	16.51
2914	12-24-91	0.05	131.55	0.10	115.10	16.46

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2914	12-24-91	0.21	131.76	0.10	115.20	16.56
2914	12-24-91	0.46	132.22	0.20	115.40	16.82
2914	12-24-91	0.06	132.28	0.00	115.40	16.88
2914	12-24-91	0.07	132.36	0.18	115.58	16.78
2914	12-24-91	0.19	132.55	0.03	115.61	16.94
2914	12-24-91	0.52	133.06	0.43	116.04	17.03
2914	12-24-91	0.05	133.12	0.00	116.04	17.08
2914	12-24-91	0.19	133.30	0.08	116.11	17.19
2914	12-24-91	0.07	133.38	0.10	116.21	17.16
2959	02-07-92	0.26	133.64	0.18	116.39	17.24
2961	02-09-92	0.36	134.00	0.53	116.93	17.07
2966	02-14-92	0.10	134.10	0.00	116.93	17.17
2967	02-15-92	0.00	134.10	0.08	117.00	17.10
2969	02-17-92	0.02	134.12	0.15	117.15	16.97
2970	02-18-92	0.33	134.45	0.00	117.15	17.30
2971	02-19-92	0.59	135.04	0.53	117.69	17.35
2972	02-20-92	0.49	135.53	0.33	118.02	17.52
2973	02-21-92	0.30	135.84	0.30	118.32	17.51
2975	02-23-92	0.28	136.12	0.23	118.55	17.56
2976	02-24-92	0.15	136.27	0.03	118.58	17.69
2980	02-28-92	0.00	136.27	0.03	118.60	17.67
2982	03-01-92	0.12	136.39	0.05	118.65	17.74
2983	03-02-92	0.00	136.39	0.05	118.70	17.69
2984	03-03-92	0.06	136.45	0.05	118.75	17.70
2986	03-05-92	0.04	136.49	0.00	118.75	17.74
2996	03-15-92	0.10	136.60	0.08	118.83	17.76
3021	04-09-92	1.11	137.70	0.81	119.64	18.06
3023	04-11-92	0.20	137.90	0.10	119.75	18.15
3024	04-12-92	0.31	138.21	0.23	119.97	18.23
3025	04-13-92	1.16	139.36	0.99	120.96	18.40
3028	04-16-92	0.36	139.72	0.00	120.96	18.76
3041	04-29-92	0.67	140.40	0.25	121.22	19.18
3042	04-30-92	0.01	140.41	0.00	121.22	19.19
3084	06-11-92	0.00	140.41	0.05	121.27	19.14
3085	06-12-92	1.60	142.01	2.01	123.28	18.73
3086	06-13-92	0.06	142.07	0.10	123.38	18.69
3088	06-15-92	0.06	142.13	0.08	123.45	18.68
3101	06-28-92	0.39	142.52	0.61	124.06	18.46
3102	06-29-92	0.03	142.55	0.05	124.11	18.43
3107	07-04-92	0.00	142.55	0.05	124.16	18.38
3108	07-05-92	0.00	142.55	0.15	124.32	18.23
3110	07-07-92	0.14	142.68	0.00	124.32	18.37
3113	07-10-92	0.07	142.76	0.03	124.34	18.41
3123	07-20-92	0.27	143.03	0.03	124.37	18.66
3125	07-22-92	0.72	143.75	0.00	124.37	19.38
3126	07-23-92	1.84	145.58	0.71	125.08	20.51
3155	08-21-92	0.04	145.62	0.08	125.16	20.47
3156	08-22-92	0.92	146.55	0.43	125.59	20.96
3179	09-14-92	0.09	146.63	0.00	125.59	21.05
3180	09-15-92	0.43	147.06	0.43	126.02	21.04
3184	09-19-92	0.00	147.06	0.13	126.15	20.91
3188	09-23-92	0.00	147.06	0.08	126.22	20.84
3189	09-24-92	0.00	147.06	0.05	126.27	20.79
3198	10-03-92	0.08	147.14	0.00	126.27	20.87
3215	10-20-92	0.22	147.36	0.08	126.35	21.01

Precipitation Record of BWTF and HMS
March 27, 1984 thru May 20, 1993

Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
3216	10-21-92	0.36	147.72	0.20	126.55	21.17
3223	10-28-92	0.20	147.93	0.51	127.06	20.87
3224	10-29-92	0.11	148.04	0.15	127.21	20.83
3225	10-30-92	0.33	148.37	0.36	127.57	20.80
3226	10-31-92	0.33	148.70	0.25	127.82	20.88
3227	11-01-92	0.34	149.04	0.00	127.82	21.22
3228	11-02-92	0.34	149.38	0.00	127.82	21.56
3230	11-04-92	0.52	149.90	0.56	128.38	21.52
3231	11-05-92	0.05	149.96	0.00	128.38	21.57
3232	11-06-92	0.05	150.01	0.00	128.38	21.63
3233	11-07-92	0.25	150.26	0.08	128.46	21.81
3234	11-08-92	0.48	150.74	0.20	128.66	22.08
3237	11-11-92	0.10	150.84	0.10	128.76	22.07
3238	11-12-92	0.03	150.86	0.00	128.76	22.10
3242	11-16-92	0.00	150.86	0.03	128.79	22.07
3245	11-19-92	0.41	151.27	0.03	128.81	22.46
3247	11-21-92	1.38	152.66	1.22	130.03	22.62
3248	11-22-92	0.00	152.66	0.05	130.08	22.57
3253	11-27-92	0.58	153.24	0.46	130.54	22.70
3254	11-28-92	0.01	153.25	0.00	130.54	22.71
3263	12-07-92	0.29	153.54	0.48	131.02	22.52
3264	12-08-92	0.20	153.74	0.23	131.25	22.49
3266	12-10-92	0.75	154.49	1.17	132.42	22.07
3272	12-16-92	0.30	154.79	0.48	132.90	21.89
3273	12-17-92	0.03	154.82	0.03	132.93	21.90
3275	12-19-92	0.57	155.40	0.25	133.18	22.22
3276	12-20-92	0.04	155.44	0.13	133.31	22.13
3283	12-27-92	0.32	155.76	0.28	133.59	22.18
3284	12-28-92	0.03	155.80	0.15	133.74	22.06
3285	12-29-92	0.67	156.46	0.64	134.38	22.09
3286	12-30-92	0.02	156.49	0.08	134.45	22.03
3287	12-31-92	0.47	156.95	0.71	135.16	21.79
3287	12-31-92	0.03	156.98	0.00	135.16	21.82
3287	12-31-92	0.05	157.03	0.18	135.34	21.69
3287	12-31-92	0.30	157.33	0.23	135.58	21.76
3287	12-31-92	0.03	157.36	0.07	135.64	21.72
3287	12-31-92	0.86	158.22	1.09	136.73	21.49
3287	12-31-92	0.00	158.22	0.04	136.77	21.45
3287	12-31-92	0.03	158.25	0.00	136.77	21.48
3287	12-31-92	0.03	158.27	0.00	136.77	21.50
3287	12-31-92	0.69	158.96	1.13	137.90	21.06
3287	12-31-92	0.05	159.01	0.16	138.06	20.95
3287	12-31-92	0.25	159.26	0.44	138.50	20.77
3287	12-31-92	0.13	159.39	0.37	138.87	20.53
3287	12-31-92	0.13	159.52	0.22	139.09	20.43
3287	12-31-92	0.61	160.13	2.18	141.26	18.87
3287	12-31-92	0.10	160.23	1.27	142.53	17.70
3287	12-31-92	0.00	160.23	0.27	142.81	17.42
3287	12-31-92	0.03	160.26	0.00	142.81	17.45
3287	12-31-92	0.00	160.26	0.10	142.91	17.34
3326	02-08-93	0.03	160.28	0.05	142.97	17.31
3327	02-09-93	0.00	160.28	0.04	143.00	17.28
3336	02-18-93	0.69	160.97	0.90	143.90	17.06
3337	02-19-93	1.98	162.95	1.50	145.40	17.55
3338	02-20-93	0.28	163.23	0.65	146.05	17.18

Precipitation Record of BWTF and HMS
March 27, 1984 thru May 20, 1993

Days Since 1-1-84	Date	BWTF Rain (cm)	BWTF Cum (cm)	HMS Rain (cm)	HMS Cum (cm)	BWTF-HMS (cm)
3347	03-01-93	0.33	163.56	0.00	146.05	17.51
3349	03-03-93	0.28	163.84	0.00	146.05	17.79
3350	03-04-93	0.13	163.96	0.00	146.05	17.92
3359	03-13-93	0.03	163.99	0.00	146.05	17.94
3362	03-16-93	0.28	164.27	0.25	146.29	17.97
3363	03-17-93	0.03	164.29	0.05	146.34	17.95
3365	03-19-93	0.10	164.40	0.19	146.53	17.86
3366	03-20-93	0.28	164.68	0.18	146.72	17.96
3368	03-22-93	0.25	164.93	0.93	147.64	17.29
3369	03-23-93	0.00	164.93	0.12	147.77	17.16
3378	04-01-93	0.25	165.18	0.17	147.94	17.24
3379	04-02-93	0.28	165.46	0.18	148.12	17.34
3380	04-03-93	0.25	165.72	0.22	148.34	17.37
3383	04-06-93	0.25	165.97	0.17	148.51	17.46
3385	04-08-93	0.18	166.15	0.14	148.65	17.50
3387	04-10-93	0.00	166.15	0.29	148.94	17.21
3388	04-11-93	0.28	166.43	0.29	149.22	17.20
3390	04-13-93	0.10	166.53	0.00	149.22	17.31
3394	04-17-93	0.00	166.53	0.18	149.40	17.12
3399	04-22-93	0.00	166.53	0.53	149.93	16.60
3400	04-23-93	0.05	166.58	0.09	150.02	16.56
3401	04-24-93	0.00	166.58	0.05	150.07	16.51
3402	04-25-93	0.05	166.63	0.27	150.35	16.28
3406	04-29-93	0.10	166.73	0.10	150.45	16.28
3410	05-03-93	0.33	167.06	0.61	151.06	16.00
3411	05-04-93	0.05	167.11	0.15	151.21	15.91
3413	05-06-93	0.03	167.14	0.13	151.33	15.81
3427	05-20-93	0.20	167.34	0.09	151.42	15.92

APPENDIX B

WATER STORAGE AND WATER CONTENT DATA

APPENDIX B

WATER STORAGE AND WATER CONTENT DATA

The following listings are soil water storage and water content data measured by a Model 503 Hydroprobe, manufactured by Campbell Pacific Nuclear. The first listing shows water storage for each lysimeter for each sampling date since construction of the SWLA facility. This listing also includes the average and standard deviation of all lysimeter measurements on a given day. However, lysimeters 5 and 6 were excluded from all calculations of average storage until June 9, 1986, because of the dry initial conditions discussed in this report. Lysimeters 8, 9, and 10 were also excluded from average calculations for February 12, 1985, because of the flooding of these lysimeters.

The second listing in this appendix is the measured water contents (percent by volume or centimeters of water per meter) for each sampling date. Storage was calculated by integration of the water content profile with the trapezoidal rule. The justification for using this technique, rather than a higher-order method, is that the neutron probe produces an average value over a distance that is likely to be at least as great as the distances between samples.

Total storage is calculated integrating the water contents from the depths of 30 to 259 cm. Readings taken above 30 cm were deemed biased by the soil-air interface, and readings taken deeper than 259 cm were deemed biased by the gravel layer at 292 cm. Throughout this report, the column DAY refers to days since January 1, 1984. The row of data marked AVG % is the average water content calculated over the 30- to 259-cm depths. The row of data marked WASTE % is the average water content measured over the length of the waste forms (183 to 244 cm), and the row of data marked STRG is total storage in centimeters of water calculated considering the data between 30- and 259-cm depths in the lysimeters.

The labels PROBE and STANDARD COUNTS designate the serial number of the individual neutron probe used (several probes were available) and the individual probe's count rate for a known standard. This information was needed to convert the count rates at each depth position in each lysimeter for each sampling period. All necessary calculations have been performed such that only the final data, volume, % moisture content, and storage (in centimeters of water) are reported.

Day	Date	STORAGE (cm)										avg± σ_s
		1	2	3	4	5	6	7	8	9	10	
86	03-27-84	21.8	22.6	22.8	19.7	0.0	0.0	21.4	23.1	23.6	22.9	22.2±1.2
122	05-02-84	22.2	23.0	23.9	20.1	0.0	0.0	21.0	22.7	23.8	22.5	22.4±1.3
138	05-18-84	21.8	22.5	23.2	20.0	0.0	0.0	21.1	22.4	23.7	22.9	22.2±1.2
152	06-01-84	21.3	22.9	22.9	19.7	0.0	0.0	20.4	22.0	22.7	22.4	21.8±1.2
173	06-22-84	21.1	22.3	23.2	19.3	0.0	0.0	20.9	22.4	22.8	22.9	21.9±1.3
191	07-10-84	21.5	22.7	22.5	19.8	0.0	0.0	21.0	22.4	22.8	23.1	22.0±1.1
208	07-27-84	20.9	21.8	22.6	19.4	0.0	0.0	20.8	21.9	21.8	21.7	21.4±1.0
242	08-30-84	20.0	20.5	21.9	17.2	0.0	0.0	19.9	19.7	20.4	20.0	20.0±1.3
268	09-25-84	19.5	20.6	21.3	21.8	12.3	12.8	21.0	20.2	20.8	19.9	20.6±0.7
313	11-09-84	19.4	19.7	21.5	21.1	11.9	12.6	19.0	19.7	20.8	19.2	20.0±1.0
347	12-13-84	22.3	24.0	24.3	22.3	15.8	15.3	22.1	22.2	24.2	23.1	23.1±1.0
400	02-04-85	23.8	25.1	25.9	24.3	17.2	17.4	26.4	24.6	26.1	24.8	25.1±0.9
408	02-12-85	31.5	32.4	33.3	30.6	21.8	21.1	35.1	43.4	42.9	58.3	38.5±9.4
423	02-27-85	31.1	34.5	32.9	32.9	25.7	23.3	33.4	32.6	34.1	33.9	33.2±1.1
436	03-12-85	29.2	30.2	31.3	29.3	25.6	22.6	29.6	28.1	29.7	30.9	29.8±1.0
449	03-25-85	28.9	30.5	30.9	29.2	24.7	23.1	29.6	25.9	29.1	28.2	29.0±1.5
465	04-10-85	26.9	29.2	29.8	28.3	24.3	22.8	28.5	26.6	27.9	27.7	28.1±1.1
479	04-24-85	26.7	29.2	28.9	28.1	23.9	23.2	28.3	26.7	27.8	27.1	27.8±1.0
493	05-08-85	26.9	27.3	28.2	27.1	23.5	22.4	27.8	24.9	26.0	26.1	26.8±1.1
506	05-21-85	27.1	27.7	28.6	26.7	22.7	21.5	26.5	25.6	26.2	26.1	26.8±1.0
533	06-17-85	25.9	27.2	28.9	27.5	23.4	23.0	27.9	27.2	29.7	27.1	27.7±1.2
557	07-11-85	24.4	25.5	26.8	25.2	22.1	21.9	25.5	24.5	25.4	24.2	25.2±0.8
591	08-14-85	23.2	23.0	25.2	23.9	21.0	21.4	24.0	21.9	24.1	21.1	23.3±1.3
611	09-03-85	21.9	22.2	24.5	22.9	20.6	20.6	22.7	21.6	22.8	19.4	22.3±1.4
633	09-25-85	22.6	21.9	24.0	21.8	19.8	20.8	21.9	21.2	22.3	20.2	22.0±1.1
661	10-23-85	20.3	21.7	22.9	21.1	18.9	18.8	20.4	20.9	22.0	19.2	21.0±1.1
688	11-19-85	19.7	20.2	22.4	19.5	19.0	18.4	20.6	20.2	22.0	19.2	20.5±1.2
719	12-20-85	22.7	22.1	27.1	25.3	19.7	20.7	20.9	23.2	27.4	22.3	23.9±2.4
751	01-21-86	34.9	31.9	34.4	31.8	29.7	24.9	31.3	29.7	32.8	31.8	32.3±1.7
765	02-04-86	31.9	31.8	32.1	31.6	29.9	25.1	31.2	30.4	32.3	31.4	31.6±0.6
780	02-19-86	29.0	30.0	30.8	29.7	28.8	25.8	29.9	29.2	31.5	29.8	30.0±0.8
795	03-06-86	29.5	29.6	31.3	30.5	29.5	25.8	30.5	29.0	31.1	29.1	30.1±0.9
809	03-20-86	30.3	30.3	31.1	30.2	29.1	27.2	29.8	30.4	31.3	29.2	30.3±0.7
858	05-08-86	27.8	27.8	29.6	27.9	25.8	24.8	27.4	26.9	28.5	28.1	28.0±0.8
873	05-23-86	26.3	27.1	28.9	26.7	25.6	24.4	27.3	26.5	28.5	27.3	27.3±0.9
890	06-09-86	25.0	26.1	27.2	25.9	24.8	22.9	25.2	25.1	26.5	25.2	25.8±0.8
907	06-26-86	24.4	25.2	25.7	24.9	23.0	22.1	24.9	24.4	25.5	24.5	24.4±1.1
922	07-11-86	22.1	23.3	24.2	24.5	21.8	22.8	23.3	23.1	23.7	22.2	23.1±0.9
939	07-28-86	22.3	22.7	24.8	23.1	20.4	21.4	22.9	22.3	23.5	23.2	22.7±1.2
949	08-07-86	22.0	23.5	24.6	23.1	20.5	21.4	22.9	22.7	23.5	22.9	22.7±1.2
964	08-22-86	18.3	22.6	21.1	23.1	20.3	20.3	20.6	20.9	23.0	21.5	21.2±1.5
978	09-05-86	16.5	22.0	18.3	21.8	19.7	19.4	21.8	20.9	22.3	21.2	20.4±1.9
992	09-19-86	18.3	24.4	20.1	24.1	21.5	22.6	23.2	23.4	24.4	23.4	22.5±2.0
1006	10-03-86	16.7	22.0	18.8	21.6	19.6	19.8	22.7	20.6	22.7	21.6	20.6±1.9
1024	10-21-86	16.0	20.5	19.0	20.5	17.6	18.9	19.6	19.5	20.6	19.3	19.1±1.4
1034	10-31-86	17.0	21.7	18.9	22.4	18.7	18.8	21.3	20.4	21.4	20.7	20.1±1.7
1051	11-17-86	16.2	20.3	18.8	20.0	17.3	18.4	19.4	17.8	21.0	18.8	18.8±1.4
1065	12-01-86	17.3	21.5	19.8	21.0	19.1	19.6	20.8	21.2	22.8	21.2	20.4±1.5
1093	12-29-86	19.4	23.2	21.3	22.4	21.3	21.1	22.2	22.4	23.7	22.6	22.0±1.2
1107	01-12-87	20.2	22.0	22.3	22.5	21.4	21.8	21.8	22.3	24.1	22.3	22.1±1.0
1125	01-30-87	22.7	23.4	23.7	23.8	24.2	23.0	23.9	24.3	26.5	23.3	23.9±1.1
1139	02-13-87	23.9	25.5	25.7	24.7	26.9	24.5	26.7	25.6	28.6	25.8	25.8±1.4
1164	03-10-87	23.2	24.5	25.5	24.9	25.4	23.2	25.8	24.7	27.1	24.4	24.9±1.2
1177	03-23-87	24.8	27.0	27.2	26.0	25.7	24.3	27.7	25.3	28.1	26.3	26.2±1.3
1192	04-07-87	26.8	26.3	27.4	25.7	26.3	25.8	28.1	26.3	28.9	28.7	27.0±1.2
1206	04-21-87	26.1	27.2	27.2	25.8	25.6	25.0	27.7	25.6	28.5	28.1	26.7±1.2
1220	05-05-87	25.8	26.2	28.2	26.2	24.9	24.4	28.5	25.3	28.1	25.5	26.3±1.5
1235	05-20-87	23.9	26.0	28.0	25.8	23.8	24.8	26.6	25.1	27.9	27.1	25.9±1.5
1249	06-03-87	24.4	25.9	27.4	25.9	24.6	23.9	26.3	25.3	26.6	26.4	25.7±1.1
1264	06-18-87	24.2	26.0	25.8	25.6	24.2	23.8	25.9	25.0	27.5	26.9	25.5±1.2
1283	07-07-87	23.7	24.8	25.3	25.9	23.1	22.5	25.3	23.4	25.8	25.3	24.5±1.2
1299	07-23-87	22.1	24.2	26.1	23.9	21.5	21.8	23.3	23.6	24.3	25.5	23.6±1.5
1311	08-04-87	22.2	23.4	25.1	23.9	22.5	22.0	22.5	22.5	25.0	24.2	23.3±1.2
1327	08-20-87	21.6	24.5	23.8	24.1	20.3	21.7	22.9	22.3	24.9	24.2	23.0±1.5
1340	09-02-87	20.6	23.5	24.6	23.3	20.0	21.1	22.5	21.9	24.7	22.9	22.5±1.6
1354	09-16-87	20.0	22.2	23.1	22.6	20.0	20.2	22.4	21.7	23.3	23.1	21.9±1.3
1368	09-30-87	21.4	22.8	23.3	21.6	19.8	20.7	22.1	22.0	23.3	22.4	21.9±1.1

Day	Date	STORAGE (cm)										avg± σ_s
		1	2	3	4	5	6	7	8	9	10	
1388	10-20-87	20.4	21.7	22.0	21.4	19.3	20.4	21.3	20.9	22.2	22.3	21.2±1.0
1404	11-05-87	20.0	21.0	22.3	21.5	18.6	19.0	20.9	20.7	21.6	21.1	20.7±1.2
1422	11-23-87	20.2	19.5	19.4	21.3	18.7	18.4	19.9	20.1	21.2	20.6	19.9±1.0
1445	12-16-87	22.1	22.7	23.2	21.4	21.8	20.6	21.9	22.5	24.3	22.8	22.3±1.0
1459	12-30-87	21.9	22.8	23.4	22.4	22.1	21.6	21.9	22.5	24.6	23.7	22.7±1.0
1472	01-12-88	20.5	21.2	21.7	21.3	20.5	20.5	20.3	21.7	24.3	22.1	21.4±1.2
1486	01-26-88	23.8	23.9	24.1	23.4	23.9	22.4	23.5	23.8	26.4	24.9	24.0±1.1
1501	02-10-88	23.7	23.5	24.2	23.3	23.7	22.1	23.5	23.3	26.0	25.3	23.9±1.1
1520	02-29-88	23.2	23.8	24.4	23.5	23.6	22.1	24.7	22.8	26.0	24.6	23.9±1.1
1534	03-14-88	22.3	23.1	23.6	22.2	22.4	21.3	24.0	22.9	24.9	25.2	23.2±1.2
1550	03-30-88	21.3	22.2	23.1	21.6	21.8	20.4	22.7	21.5	23.8	23.4	22.2±1.1
1565	04-14-88	22.3	22.5	23.0	22.2	22.0	20.8	23.0	22.0	24.2	23.6	22.5±1.0
1579	04-28-88	21.3	22.1	22.7	22.7	20.9	20.4	22.4	21.6	23.7	22.1	22.0±1.0
1591	05-10-88	21.3	22.1	23.4	22.5	21.0	20.0	22.4	21.7	23.8	23.3	22.2±1.2
1607	05-26-88	21.0	22.1	23.7	22.0	20.2	20.3	22.3	22.2	23.4	23.7	22.1±1.3
1656	07-14-88	23.5	25.3	26.2	24.4	23.4	22.7	24.6	24.8	25.9	23.9	24.5±1.1
1669	07-27-88	23.2	25.5	25.8	25.0	23.3	23.6	24.7	25.4	26.6	26.2	24.9±1.2
1684	08-11-88	22.6	24.9	25.1	23.3	22.9	21.9	24.3	24.6	26.5	23.2	23.9±1.4
1738	10-04-88	22.0	22.2	23.0	22.3	21.3	21.0	23.0	23.5	24.5	22.6	22.6±1.0
1753	10-19-88	20.6	22.4	22.2	21.5	20.5	20.1	21.9	22.5	24.1	21.1	21.7±1.2
1765	10-31-88	20.6	22.5	22.3	21.6	20.6	20.2	22.0	22.6	24.2	21.2	21.8±1.2
1783	11-18-88	20.8	22.2	22.2	21.8	20.4	20.2	21.9	22.3	23.7	21.5	21.7±1.0
1795	11-30-88	21.5	23.6	23.1	22.4	22.4	20.9	23.0	23.8	25.4	22.9	22.9±1.2
1808	12-13-88	21.5	23.1	22.9	22.7	21.7	21.3	23.0	23.2	24.5	22.0	22.6±1.0
1831	01-05-89	21.6	23.2	23.3	22.4	22.1	22.4	22.8	23.6	24.7	22.6	22.9±0.9
1843	01-17-89	22.5	23.5	24.4	22.5	22.7	22.5	24.0	24.6	25.5	23.2	23.5±1.1
1856	01-30-89	22.1	23.8	23.3	22.4	22.6	22.9	22.9	24.2	25.2	23.3	23.3±0.9
1888	03-03-89	26.4	27.7	29.8	29.7	28.1	27.0	29.7	29.5	30.7	31.5	29.0±1.7
1906	03-21-89	28.3	30.1	32.7	32.1	30.4	27.8	32.2	31.9	32.5	32.7	31.1±1.8
1950	05-04-89	27.6	28.9	30.2	28.3	27.4	26.8	28.9	28.9	30.5	28.5	28.6±1.2
1962	05-16-89	27.4	28.1	29.4	28.0	27.0	25.2	28.1	28.3	29.4	26.9	27.8±1.2
1977	05-31-89	27.5	28.3	29.5	28.1	27.1	25.3	28.2	28.5	29.6	27.0	27.9±1.3
1990	06-13-89	25.7	27.6	28.6	27.3	26.0	25.3	26.9	27.1	29.5	26.2	27.0±1.3
2004	06-27-89	25.7	26.7	28.7	26.1	24.6	24.3	27.2	27.6	27.2	25.6	26.4±1.4
2018	07-11-89	24.2	26.8	27.5	25.7	25.2	24.5	26.6	26.1	27.1	25.5	25.9±1.1
2032	07-25-89	23.3	25.6	27.5	26.1	25.3	24.0	26.3	26.6	25.5	24.9	25.5±1.2
2049	08-11-89	21.7	24.1	26.2	23.8	24.0	24.2	25.3	25.2	24.9	24.0	24.3±1.2
2068	08-30-89	20.5	23.6	26.2	22.8	22.8	23.8	24.4	23.2	24.4	22.6	23.4±1.5
2083	09-14-89	21.3	22.2	22.6	21.9	21.6	21.5	25.7	22.1	23.6	23.1	22.6±1.3
2101	10-02-89	20.0	22.3	22.3	22.0	22.2	21.8	24.2	21.5	23.1	21.6	22.1±1.1
2118	10-19-89	18.8	21.5	23.2	21.3	20.4	20.9	23.0	21.1	22.7	21.5	21.4±1.3
2138	11-08-89	19.3	21.8	22.4	20.9	19.6	20.6	23.0	21.8	22.8	22.2	21.4±1.3
2179	12-19-89	23.2	22.5	24.1	22.4	22.2	23.2	24.5	22.8	24.7	23.9	23.4±0.9
2194	01-03-90	21.1	22.9	23.9	23.1	22.8	23.9	25.1	23.0	24.6	23.4	23.4±1.1
2243	02-21-90	23.3	24.1	25.3	24.7	24.5	23.5	24.6	25.1	25.7	25.0	24.6±0.8
2262	03-12-90	24.3	24.6	24.7	24.8	24.1	23.4	24.6	24.6	26.2	24.4	24.6±0.7
2329	05-18-90	23.3	24.3	24.3	24.3	23.2	23.3	24.4	24.3	25.3	24.1	24.1±0.7
2392	07-20-90	22.8	23.0	24.1	23.5	22.6	22.4	24.0	24.1	24.7	23.2	23.4±0.7
2472	10-08-90	21.3	23.2	23.6	22.1	21.1	22.4	23.2	23.1	24.0	23.3	22.7±1.0
2721	06-14-91	26.1	27.3	28.1	28.1	26.4	25.3	28.5	26.9	28.1	28.2	27.3±1.1
2837	10-08-91	23.1	22.6	23.8	24.1	20.4	21.2	25.2	23.6	23.6	23.6	23.1±1.4
3139	08-05-92	23.2	23.8	26.7	25.6	25.1	25.3	22.7	24.6	27.0	26.1	25.0±1.4

DATE: 03-27-84
DAY: 86
PROBE: 2499 STANDARD COUNTS: 17063

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	4.7	4.1	4.3	2.6	0.0	0.0	4.7	4.8	4.2	2.7
30.0	9.8	9.6	9.6	7.2	0.0	0.0	9.1	7.7	9.2	9.4
46.0	11.1	10.9	10.6	7.6	0.0	0.0	10.0	11.0	10.1	10.9
61.0	10.1	9.6	10.7	7.0	0.0	0.0	10.5	10.8	10.2	11.1
76.0	8.4	8.6	8.8	6.9	0.0	0.0	8.4	9.0	9.8	10.6
91.0	7.3	7.6	7.2	7.0	0.0	0.0	7.8	7.6	8.4	9.5
107.0	7.3	7.6	7.6	6.1	0.0	0.0	7.5	7.3	7.3	8.1
122.0	7.3	7.3	7.7	5.5	0.0	0.0	7.3	7.7	7.0	6.7
137.0	6.9	7.5	7.5	5.7	0.0	0.0	7.2	7.2	7.2	6.5
152.0	7.2	8.4	7.3	6.4	0.0	0.0	7.4	7.3	7.7	7.1
167.0	7.2	7.8	7.7	6.9	0.0	0.0	6.8	7.5	8.0	7.0
183.0	7.3	7.1	7.8	7.1	0.0	0.0	6.8	7.6	7.7	7.3
198.0	7.0	7.1	7.7	7.6	0.0	0.0	6.5	8.4	8.5	8.1
213.0	7.6	7.0	8.1	8.3	0.0	0.0	6.7	9.1	9.2	7.6
229.0	7.0	7.6	7.4	8.0	0.0	0.0	6.5	8.6	9.1	7.5
244.0	7.2	8.1	7.9	8.3	0.0	0.0	7.1	8.3	8.4	7.3
259.0	8.1	9.6	9.2	9.2	0.0	0.0	8.7	8.9	9.2	8.2
274.0	9.8	10.2	10.5	8.8	0.0	0.0	11.0	11.4	9.5	9.9
AVG %	7.9	8.2	8.3	7.2	0.0	0.0	7.8	8.4	8.6	8.3
WASTE %	7.2	7.4	7.8	7.8	0.0	0.0	6.7	8.4	8.6	7.6
STRG cm	21.8	22.6	22.8	19.7	0.0	0.0	21.4	23.1	23.6	22.9
AVG STRG	22.22±1.23									

DATE: 05-02-84
DAY: 122
PROBE: 5140 STANDARD COUNTS: 11254

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7
15.0	3.7	3.4	4.0	1.3	0.0	0.0	4.0	3.9	3.4	2.0
30.0	9.0	9.0	9.3	6.6	0.0	0.0	8.7	9.1	8.6	8.1
46.0	10.0	10.7	10.3	7.2	0.0	0.0	9.3	10.3	10.1	9.8
61.0	11.2	10.8	10.6	7.7	0.0	0.0	10.1	10.6	10.1	10.4
76.0	10.6	9.5	10.4	7.7	0.0	0.0	10.0	9.7	10.3	10.2
91.0	8.8	8.4	9.8	7.2	0.0	0.0	9.1	8.6	9.6	9.3
107.0	7.1	7.8	9.1	7.5	0.0	0.0	8.0	8.0	8.6	9.4
122.0	7.2	7.8	8.2	6.3	0.0	0.0	7.4	6.9	7.5	8.2
137.0	7.1	7.3	7.3	5.4	0.0	0.0	6.7	7.2	7.3	7.2
152.0	7.3	7.6	7.6	6.3	0.0	0.0	7.0	6.8	7.5	7.0
167.0	7.3	7.6	7.6	7.5	0.0	0.0	6.4	7.0	7.8	7.0
183.0	6.6	7.4	7.5	7.2	0.0	0.0	6.3	7.0	7.5	6.9
198.0	6.9	7.7	8.1	7.8	0.0	0.0	6.1	7.9	8.4	7.7
213.0	7.2	7.7	8.4	8.3	0.0	0.0	6.3	8.3	8.8	7.3
229.0	7.1	7.4	7.7	7.8	0.0	0.0	6.0	8.3	8.5	7.2
244.0	7.1	8.3	7.9	7.9	0.0	0.0	6.5	7.8	8.5	7.1
259.0	8.3	9.1	9.1	8.8	0.0	0.0	8.1	8.8	9.2	8.2
274.0	10.0	10.4	10.7	8.7	0.0	0.0	10.5	10.6	9.3	9.5
AVG %	8.1	8.4	8.7	7.3	0.0	0.0	7.6	8.3	8.7	8.2
WASTE %	7.0	7.7	7.9	7.8	0.0	0.0	6.2	7.8	8.4	7.2
STRG cm	22.2	23.0	23.9	20.1	0.0	0.0	21.0	22.7	23.8	22.5
AVG STRG	22.41±1.30									

DATE: 05-18-84
 DAY: 138
 PROBE: 5140 STANDARD COUNTS: 11254

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.7	1.0	1.1	0.0	0.0	0.0	2.5	2.0	0.9	0.3
30.0	8.3	7.7	8.5	5.7	0.0	0.0	8.5	8.6	7.9	7.5
46.0	10.4	10.1	9.6	7.8	0.0	0.0	8.9	9.8	9.5	10.0
61.0	11.2	9.9	10.7	7.7	0.0	0.0	9.5	10.3	10.2	10.3
76.0	10.1	9.7	10.0	7.9	0.0	0.0	9.6	9.8	10.2	10.4
91.0	8.8	8.9	9.8	7.5	0.0	0.0	9.5	9.1	9.7	10.0
107.0	7.9	8.2	9.6	7.6	0.0	0.0	8.7	8.0	8.8	9.7
122.0	7.1	8.0	7.9	6.6	0.0	0.0	7.2	7.2	7.7	8.3
137.0	6.7	7.2	7.6	6.3	0.0	0.0	7.1	7.0	7.2	7.5
152.0	7.2	7.4	7.5	6.7	0.0	0.0	6.9	6.9	7.6	7.5
167.0	7.2	7.8	7.8	6.7	0.0	0.0	6.6	6.8	7.7	7.2
183.0	7.1	7.8	7.4	7.0	0.0	0.0	6.3	7.0	7.9	6.8
198.0	6.7	6.8	7.5	7.5	0.0	0.0	6.4	7.7	8.4	7.4
213.0	6.7	6.9	7.6	7.8	0.0	0.0	6.3	8.0	8.5	7.6
229.0	6.3	7.4	7.6	7.3	0.0	0.0	6.4	7.9	8.5	6.7
244.0	7.3	8.0	7.2	7.6	0.0	0.0	6.7	7.6	9.1	7.4
259.0	8.0	9.0	8.7	8.7	0.0	0.0	8.0	8.5	9.2	8.7
274.0	9.6	10.3	10.7	8.8	0.0	0.0	10.4	10.5	8.7	9.5
AVG %	7.9	8.2	8.4	7.3	0.0	0.0	7.7	8.1	8.6	8.3
WASTE %	6.8	7.4	7.5	7.4	0.0	0.0	6.4	7.6	8.5	7.2
STRG cm	21.8	22.5	23.2	20.0	0.0	0.0	21.1	22.4	23.7	22.9
AVG STRG	22.20±1.21									

DATE: 06-01-84
 DAY: 152
 PROBE: 5140 STANDARD COUNTS: 11317

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.3	0.4	0.6	0.0	0.0	0.0	1.5	1.5	0.5	0.0
30.0	7.7	7.5	7.9	5.3	0.0	0.0	7.7	7.7	7.3	7.3
46.0	9.1	9.9	9.6	7.4	0.0	0.0	8.9	8.9	9.1	9.1
61.0	10.3	10.4	10.6	7.4	0.0	0.0	9.4	9.4	9.4	9.8
76.0	10.1	10.3	10.2	7.5	0.0	0.0	9.0	9.0	9.9	9.7
91.0	9.3	9.5	9.7	7.2	0.0	0.0	9.1	9.1	9.6	9.5
107.0	7.5	9.3	9.2	7.3	0.0	0.0	8.5	8.5	9.2	9.4
122.0	7.5	8.4	8.2	7.0	0.0	0.0	7.5	7.5	7.3	8.5
137.0	6.9	7.9	7.5	6.2	0.0	0.0	6.7	6.9	7.1	8.0
152.0	6.8	7.3	7.3	6.5	0.0	0.0	6.8	7.0	7.1	7.6
167.0	7.1	7.9	7.4	7.2	0.0	0.0	6.6	6.7	7.2	7.0
183.0	6.7	7.8	7.4	6.7	0.0	0.0	6.3	6.7	7.8	7.0
198.0	6.7	7.6	7.5	7.2	0.0	0.0	6.3	7.9	7.8	7.4
213.0	6.7	7.5	7.3	7.4	0.0	0.0	5.7	7.9	8.4	7.0
229.0	6.2	7.1	7.3	7.7	0.0	0.0	6.2	7.7	7.6	7.1
244.0	6.8	7.2	7.6	8.3	0.0	0.0	6.0	8.2	8.2	7.3
259.0	8.3	7.7	8.5	8.6	0.0	0.0	7.8	8.6	9.1	8.5
274.0	9.3	9.8	10.7	8.6	0.0	0.0	9.6	10.7	9.1	9.9
AVG %	7.7	8.3	8.3	7.2	0.0	0.0	7.4	8.0	8.3	8.1
WASTE %	6.6	7.4	7.4	7.4	0.0	0.0	6.1	7.7	7.9	7.2
STRG cm	21.3	22.9	22.9	19.7	0.0	0.0	20.4	22.0	22.7	22.4
AVG STRG	21.79±1.22									

DATE: 06-22-84
 DAY: 173
 PROBE: 5140 STANDARD COUNTS: 11280

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.7	0.5	0.2	0.0	0.0	0.0	1.5	1.0	0.3	0.0
30.0	6.8	7.1	7.3	5.0	0.0	0.0	7.4	7.6	7.1	6.7
46.0	9.2	8.9	9.4	6.3	0.0	0.0	9.2	9.4	8.8	9.1
61.0	10.1	10.2	10.4	7.1	0.0	0.0	9.9	10.1	9.8	10.1
76.0	9.8	9.7	10.5	7.3	0.0	0.0	9.6	9.7	9.8	10.2
91.0	9.3	9.4	9.7	7.2	0.0	0.0	9.8	9.4	9.7	10.0
107.0	8.1	8.9	9.6	7.3	0.0	0.0	8.9	8.5	9.4	9.4
122.0	7.3	8.3	9.0	6.8	0.0	0.0	8.6	7.8	7.8	9.5
137.0	7.0	7.5	7.8	6.4	0.0	0.0	7.1	6.9	7.1	9.0
152.0	7.0	7.8	7.5	6.9	0.0	0.0	6.7	6.8	7.3	8.0
167.0	6.8	7.5	7.5	7.2	0.0	0.0	6.2	6.6	7.5	6.7
183.0	6.8	7.2	7.3	6.7	0.0	0.0	6.1	6.8	7.7	7.1
198.0	6.3	7.4	7.5	6.8	0.0	0.0	5.9	7.8	7.7	7.1
213.0	6.7	6.8	7.6	7.4	0.0	0.0	6.2	8.2	7.9	7.1
229.0	6.5	7.1	7.6	7.4	0.0	0.0	6.0	7.8	7.7	6.9
244.0	6.8	7.6	7.4	7.5	0.0	0.0	6.6	7.9	8.3	7.3
259.0	7.9	8.6	8.7	8.6	0.0	0.0	7.6	8.6	8.7	9.0
274.0	9.1	9.5	9.5	8.4	0.0	0.0	8.8	10.1	9.1	9.1
AVG %	7.7	8.1	8.4	7.0	0.0	0.0	7.6	8.1	8.3	8.3
WASTE %	6.6	7.2	7.5	7.2	0.0	0.0	6.2	7.7	7.9	7.1
STRG cm	21.1	22.3	23.2	19.3	0.0	0.0	20.9	22.4	22.8	22.9
AVG STRG	21.85±1.33									

DATE: 07-10-84
 DAY: 191
 PROBE: 5140 STANDARD COUNTS: 11159

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0
30.0	5.9	6.6	6.1	4.5	0.0	0.0	6.7	7.1	6.0	6.4
46.0	8.8	8.6	8.8	6.5	0.0	0.0	8.6	8.9	8.2	8.8
61.0	10.1	10.0	10.0	7.1	0.0	0.0	9.4	9.8	9.9	9.9
76.0	10.1	9.7	9.8	7.0	0.0	0.0	9.4	9.9	9.9	9.5
91.0	9.5	9.4	9.6	7.2	0.0	0.0	9.4	9.7	9.9	9.8
107.0	8.6	9.3	9.3	7.2	0.0	0.0	9.3	9.2	9.3	9.6
122.0	7.6	9.1	8.8	7.1	0.0	0.0	8.6	8.3	8.3	9.5
137.0	7.6	8.1	8.1	6.8	0.0	0.0	7.5	7.4	7.3	9.1
152.0	7.2	7.8	7.0	7.4	0.0	0.0	6.6	7.2	7.7	8.7
167.0	7.1	7.9	7.2	7.9	0.0	0.0	6.8	7.0	7.3	7.7
183.0	6.8	7.6	7.8	7.2	0.0	0.0	6.6	6.5	7.5	7.2
198.0	6.9	7.5	7.7	7.5	0.0	0.0	6.3	7.8	7.8	7.4
213.0	6.7	7.3	7.4	7.9	0.0	0.0	6.1	7.8	8.4	7.0
229.0	6.6	7.0	7.2	7.8	0.0	0.0	6.4	7.3	7.5	7.0
244.0	7.2	7.7	7.1	7.7	0.0	0.0	6.6	7.9	8.5	7.4
259.0	8.0	8.3	8.5	8.7	0.0	0.0	7.8	8.6	8.8	9.2
274.0	9.3	9.4	9.5	9.3	0.0	0.0	9.0	10.8	9.0	9.2
AVG %	7.8	8.3	8.2	7.2	0.0	0.0	7.6	8.2	8.3	8.4
WASTE %	6.8	7.5	7.4	7.6	0.0	0.0	6.4	7.5	7.9	7.2
STRG cm	21.5	22.7	22.5	19.8	0.0	0.0	21.0	22.4	22.8	23.1
AVG STRG	21.97±1.11									

DATE: 07-27-84
 DAY: 208
 PROBE: 5140 STANDARD COUNTS: 11171

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	5.4	5.3	5.6	3.3	0.0	0.0	5.7	6.0	5.0	4.4
46.0	8.1	8.5	8.3	5.9	0.0	0.0	7.9	8.2	7.3	6.9
61.0	9.9	9.2	9.5	7.2	0.0	0.0	8.9	9.3	8.6	8.8
76.0	9.8	9.3	9.7	6.8	0.0	0.0	9.6	9.4	9.1	9.1
91.0	9.0	9.2	9.6	7.3	0.0	0.0	9.3	9.1	9.0	8.7
107.0	8.4	9.1	9.5	7.0	0.0	0.0	9.2	8.4	8.8	8.6
122.0	8.1	8.4	9.3	7.0	0.0	0.0	8.8	8.0	8.4	8.9
137.0	7.4	8.3	8.4	6.7	0.0	0.0	8.3	7.7	7.3	8.9
152.0	7.6	7.8	7.5	7.7	0.0	0.0	7.5	7.1	7.5	9.1
167.0	6.9	7.0	7.6	8.0	0.0	0.0	6.8	7.1	7.5	8.4
183.0	6.7	7.1	7.5	7.4	0.0	0.0	6.4	6.7	7.4	7.3
198.0	6.6	7.7	7.4	7.4	0.0	0.0	6.4	7.9	7.9	7.3
213.0	6.6	7.2	7.7	7.3	0.0	0.0	6.4	7.7	8.0	7.5
229.0	6.3	6.7	7.3	7.5	0.0	0.0	5.9	7.7	8.2	6.8
244.0	6.5	7.5	7.5	7.8	0.0	0.0	6.3	8.1	8.1	7.4
259.0	8.3	8.7	8.7	8.5	0.0	0.0	7.7	8.8	8.8	8.4
274.0	9.5	9.3	10.0	8.8	0.0	0.0	9.4	10.3	8.3	9.2
AVG %	7.6	7.9	8.2	7.0	0.0	0.0	7.6	7.9	7.9	7.9
WASTE %	6.6	7.2	7.5	7.5	0.0	0.0	6.3	7.6	7.9	7.2
STRG cm	20.9	21.8	22.6	19.4	0.0	0.0	20.8	21.9	21.8	21.7
AVG STRG	21.36±0.97									

DATE: 08-30-84
 DAY: 242
 PROBE: 5140 STANDARD COUNTS: 11297

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	4.4	4.3	4.5	2.1	0.0	0.0	4.9	4.7	4.0	3.7
46.0	6.7	7.0	7.3	4.1	0.0	0.0	6.7	6.9	6.2	6.6
61.0	8.1	7.7	8.6	5.0	0.0	0.0	7.8	8.1	7.8	7.7
76.0	8.8	7.8	9.1	5.7	0.0	0.0	8.3	8.2	8.3	7.8
91.0	8.1	7.9	9.2	5.7	0.0	0.0	8.9	8.4	8.5	7.8
107.0	8.4	8.4	9.3	5.8	0.0	0.0	8.7	8.5	8.1	7.6
122.0	7.8	8.5	9.4	5.8	0.0	0.0	8.7	7.4	7.9	8.0
137.0	7.5	8.4	8.6	6.4	0.0	0.0	8.2	7.3	7.6	7.9
152.0	7.6	7.7	8.3	7.2	0.0	0.0	7.5	6.3	7.2	8.1
167.0	6.8	7.3	7.8	7.6	0.0	0.0	6.9	6.1	6.9	8.2
183.0	7.1	7.2	7.3	7.4	0.0	0.0	6.5	6.0	7.0	7.1
198.0	6.6	7.1	7.5	7.0	0.0	0.0	6.4	6.9	7.6	7.2
213.0	6.6	7.1	7.7	7.1	0.0	0.0	6.3	7.0	8.0	7.1
229.0	6.3	7.1	7.1	7.3	0.0	0.0	6.1	7.3	7.4	6.0
244.0	6.7	7.5	7.0	7.5	0.0	0.0	6.4	7.5	7.6	6.7
259.0	8.2	8.5	8.5	8.3	0.0	0.0	7.5	8.2	8.7	8.8
274.0	9.2	9.3	9.5	8.1	0.0	0.0	8.8	9.5	8.8	9.1
AVG %	7.3	7.5	8.0	6.3	0.0	0.0	7.2	7.2	7.4	7.3
WASTE %	6.7	7.2	7.3	7.3	0.0	0.0	6.3	6.9	7.5	6.8
STRG cm	20.0	20.5	21.9	17.2	0.0	0.0	19.9	19.7	20.4	20.0
AVG STRG	19.97±1.30									

DATE: 09-25-84
 DAY: 268
 PROBE: 5140 STANDARD COUNTS: 11253

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0
15.0	0.9	0.7	0.7	0.5	0.0	0.5	5.3	0.9	0.6	0.5
30.0	5.0	5.3	5.4	4.7	2.1	2.7	6.4	5.4	5.1	5.5
46.0	6.3	7.2	6.7	6.5	2.6	2.8	7.4	6.6	6.1	6.4
61.0	7.7	7.5	8.0	7.7	2.8	3.0	8.4	7.6	7.0	7.2
76.0	8.3	7.6	8.9	8.0	2.8	2.5	8.6	7.9	7.9	7.0
91.0	8.4	7.8	8.4	8.0	3.8	2.4	9.2	8.3	8.3	7.3
107.0	8.0	8.3	8.7	8.6	3.6	3.0	9.1	7.9	8.2	7.8
122.0	7.8	8.2	9.3	8.8	3.1	2.5	8.6	8.0	7.9	7.6
137.0	7.6	7.8	8.3	8.5	3.1	2.5	8.2	7.8	7.8	7.7
152.0	7.3	8.2	8.0	8.3	3.2	3.7	7.2	6.9	8.0	8.1
167.0	6.9	7.7	7.8	9.4	4.3	5.2	8.0	6.7	7.5	7.8
183.0	6.7	7.2	7.1	8.8	5.3	5.4	6.9	6.7	7.4	6.8
198.0	6.4	7.0	7.2	8.0	6.2	6.5	6.6	7.1	7.7	6.9
213.0	6.5	7.0	7.5	7.6	6.9	7.2	6.5	7.3	8.2	6.9
229.0	6.4	7.0	6.9	7.3	7.1	7.7	6.3	7.3	7.4	6.7
244.0	6.5	7.7	7.2	7.5	7.0	8.4	6.9	7.6	7.7	7.3
259.0	7.4	8.3	8.4	8.8	7.3	9.1	7.7	8.6	8.6	8.7
274.0	8.4	9.3	9.0	9.4	8.5	10.8	9.3	10.2	8.6	9.2
AVG %	7.1	7.5	7.7	7.9	4.5	4.7	7.6	7.3	7.6	7.2
WASTE %	6.5	7.2	7.2	7.8	6.5	7.1	6.6	7.2	7.7	6.9
STRG cm	19.5	20.6	21.3	21.8	12.3	12.8	21.0	20.2	20.8	19.9
AVG STRG	20.63±0.75									

DATE: 11-09-84
 DAY: 313
 PROBE: 5140 STANDARD COUNTS: 11293

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.3	0.0	0.2	0.0	0.0	0.0	1.3	0.5	0.0	0.0
30.0	5.1	5.2	5.6	4.6	1.9	2.0	5.0	5.3	5.1	4.8
46.0	6.5	6.4	6.9	5.9	3.0	2.0	6.4	6.1	6.5	6.8
61.0	7.6	7.0	7.6	7.0	2.6	2.8	6.7	6.5	7.5	7.1
76.0	7.6	6.9	7.9	7.4	2.5	2.6	7.3	6.9	8.0	7.2
91.0	7.7	7.4	8.1	7.9	3.3	2.9	8.2	7.6	7.6	6.4
107.0	7.5	7.2	8.3	8.3	3.5	2.8	7.8	7.7	8.1	7.3
122.0	7.7	7.5	9.2	8.3	3.5	3.1	8.7	8.2	7.9	7.3
137.0	7.6	7.8	8.7	8.4	2.9	3.2	8.2	7.7	7.8	7.2
152.0	7.5	7.8	8.5	8.4	3.6	3.5	8.1	7.1	7.4	7.8
167.0	7.8	7.5	8.2	8.8	4.2	4.7	7.6	6.7	8.2	7.5
183.0	6.8	7.5	8.0	8.3	5.2	5.4	6.1	6.9	8.0	7.2
198.0	6.6	7.0	7.3	8.2	6.2	6.3	6.1	7.1	7.6	6.8
213.0	6.5	6.7	7.4	7.8	6.3	7.1	5.6	7.1	7.7	6.2
229.0	6.2	6.7	7.0	7.3	6.5	7.4	6.3	7.6	7.1	6.2
244.0	6.5	7.7	7.7	7.3	6.8	8.1	5.5	8.1	8.1	7.0
259.0	7.2	8.5	8.3	8.7	7.3	9.1	6.6	8.0	8.4	8.6
274.0	8.4	9.6	9.9	8.5	8.1	11.3	8.2	10.6	8.5	9.2
AVG %	7.0	7.2	7.8	7.7	4.3	4.6	6.9	7.2	7.6	7.0
WASTE %	6.5	7.1	7.5	7.8	6.2	6.9	5.9	7.4	7.7	6.7
STRG cm	19.4	19.7	21.5	21.1	11.9	12.6	19.0	19.7	20.8	19.2
AVG STRG	20.05±0.96									

DATE: 12-13-84
 DAY: 347
 PROBE: 5140 STANDARD COUNTS: 12175

DEPTH (cm)	1	2	% VOL 3	WATER 4	CONTENT 5	(cm/m) 6	7	8	9	10
8.0	0.9	0.0	0.6	0.4	0.2	3.1	1.9	1.5	0.6	0.0
15.0	5.3	4.7	5.3	5.8	4.7	6.7	6.2	5.8	4.6	5.0
30.0	9.4	9.7	9.8	9.0	8.9	9.3	9.2	9.7	9.3	9.4
46.0	9.9	10.9	10.5	9.5	9.3	8.0	10.0	10.2	10.4	10.8
61.0	10.8	10.7	10.4	9.4	7.4	5.0	9.9	10.1	10.4	10.7
76.0	10.7	10.1	10.7	9.0	4.2	3.5	10.0	10.0	10.6	10.4
91.0	9.7	9.7	10.2	8.3	3.6	2.8	9.3	10.2	10.1	9.9
107.0	8.6	8.9	10.1	8.5	4.0	3.1	9.0	9.2	9.8	9.5
122.0	7.4	8.3	9.6	7.8	3.5	3.3	8.4	8.1	8.9	8.5
137.0	7.5	8.3	8.6	7.7	3.3	3.5	8.4	7.3	8.4	7.5
152.0	7.8	8.7	8.9	7.6	4.0	4.7	8.2	7.1	8.6	7.9
167.0	7.9	8.5	8.7	8.2	5.0	5.3	7.8	6.0	7.9	7.4
183.0	7.4	7.6	7.4	8.0	5.6	5.5	6.7	6.1	7.4	6.9
198.0	6.4	7.6	7.4	7.3	6.3	6.0	6.1	6.7	8.0	7.1
213.0	6.5	7.4	6.9	7.2	6.2	6.7	6.3	6.8	7.7	6.8
229.0	5.9	7.3	7.2	6.6	6.4	7.0	6.4	6.7	7.2	6.3
244.0	6.6	6.9	7.0	7.2	6.9	7.1	6.0	7.4	8.0	6.8
259.0	7.0	8.7	7.7	8.0	7.2	8.2	6.8	7.7	8.2	8.4
274.0	8.3	9.8	9.1	8.3	8.2	9.7	8.3	9.2	8.0	8.8
AVG %	8.1	8.7	8.8	8.1	5.7	5.6	8.0	8.1	8.8	8.4
WASTE %	6.6	7.4	7.2	7.3	6.3	6.5	6.3	6.7	7.7	6.8
STRG cm	22.3	24.0	24.3	22.3	15.8	15.3	22.1	22.2	24.2	23.1
AVG STRG	23.06±0.97									

DATE: 02-04-85
 DAY: 400
 PROBE: 5140 STANDARD COUNTS: 22628

DEPTH (cm)	1	2	% VOL 3	WATER 4	CONTENT 5	(cm/m) 6	7	8	9	10
8.0	0.6	0.0	0.2	0.7	0.0	1.6	3.6	1.7	0.6	0.2
15.0	6.0	5.0	6.2	5.8	4.9	6.2	8.4	5.6	4.8	4.8
30.0	9.4	9.8	10.5	9.4	8.7	9.7	10.5	10.6	9.8	9.7
46.0	10.2	11.0	10.8	9.7	9.5	9.3	9.8	11.0	10.7	10.6
61.0	10.6	10.3	10.2	9.7	8.5	7.2	10.0	10.1	9.9	9.8
76.0	10.3	10.3	10.8	9.7	6.9	5.3	10.4	10.0	10.1	9.8
91.0	9.8	9.9	10.7	9.8	5.2	3.4	10.6	10.8	10.5	9.6
107.0	9.8	9.8	11.1	9.7	4.0	3.1	10.7	10.2	10.4	9.9
122.0	9.3	9.5	10.6	9.1	3.1	3.4	11.0	9.6	10.4	9.7
137.0	9.2	9.6	10.3	8.9	3.6	4.1	10.4	9.0	9.5	10.1
152.0	8.2	9.1	9.4	8.5	4.6	5.4	10.0	8.6	9.8	10.0
167.0	8.9	8.4	9.6	8.7	5.0	5.8	10.4	8.2	9.4	9.9
183.0	7.5	8.1	8.2	8.5	6.1	5.9	10.0	7.0	9.1	9.3
198.0	7.1	8.1	8.4	8.2	6.5	6.8	9.3	7.0	8.8	8.7
213.0	7.2	7.8	7.7	7.8	6.8	7.4	8.7	7.5	8.3	7.2
229.0	6.3	7.5	7.5	7.2	6.6	7.3	7.0	7.2	7.8	5.6
244.0	6.5	7.7	7.1	7.5	7.3	8.2	6.8	7.7	8.3	6.5
259.0	8.0	8.8	8.1	8.4	7.3	8.8	7.9	8.2	8.8	7.8
274.0	9.1	9.6	9.1	8.5	8.2	10.8	8.7	9.4	8.6	8.3
AVG %	8.6	9.1	9.4	8.8	6.2	6.3	9.6	8.9	9.5	9.0
WASTE %	6.9	7.8	7.8	7.9	6.6	7.1	8.4	7.3	8.5	7.5
STRG cm	23.8	25.1	25.9	24.3	17.2	17.4	26.4	24.6	26.1	24.8
AVG STRG	25.11±0.95									

DATE: 02-12-85
 DAY: 408
 PROBE: 2499 STANDARD COUNTS: 34529

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	1.3	0.1	1.4	0.5	0.0	1.7	2.2	2.9	2.8	6.3
15.0	8.7	7.8	9.1	8.0	7.9	9.6	11.0	9.6	11.5	18.4
30.0	16.2	16.3	16.8	15.5	17.2	17.1	15.3	15.4	16.3	26.8
46.0	16.8	16.9	16.2	15.0	17.1	16.7	14.2	15.0	15.6	25.2
61.0	16.1	15.7	15.2	14.7	11.4	10.7	14.4	13.7	14.2	20.5
76.0	15.4	15.4	15.0	14.1	7.4	6.4	14.7	13.4	14.0	14.0
91.0	13.9	14.8	14.9	13.4	5.4	4.2	14.9	13.9	14.0	13.8
107.0	12.9	13.8	15.2	13.0	4.4	3.2	14.9	14.0	14.1	14.3
122.0	11.1	11.6	14.5	10.9	4.4	3.5	15.1	13.9	13.8	14.4
137.0	10.5	10.4	12.8	9.2	4.3	3.8	15.0	13.9	13.6	14.4
152.0	9.8	10.5	11.5	9.3	4.9	5.1	14.9	14.5	14.4	15.0
167.0	9.6	9.8	10.1	10.1	6.0	6.0	13.2	14.3	15.5	14.8
183.0	9.1	9.0	9.4	9.2	6.7	6.3	11.0	14.9	16.2	14.5
198.0	8.7	9.2	9.0	8.7	7.2	7.1	11.1	16.2	17.0	15.9
213.0	8.2	8.6	8.6	9.1	7.9	7.7	10.2	16.7	16.8	17.3
229.0	7.9	8.4	8.3	8.5	7.6	7.6	9.2	16.1	17.0	30.1
244.0	7.8	8.7	8.2	8.3	7.2	8.1	7.8	18.2	16.9	44.0
259.0	9.0	9.2	8.3	9.1	7.8	9.0	8.4	28.4	20.0	44.0
274.0	10.1	10.2	9.5	9.4	8.0	11.1	8.8	44.0	44.0	44.0
AVG %	11.4	11.8	12.1	11.1	7.9	7.7	12.8	15.8	15.6	21.2
WASTE %	8.3	8.8	8.7	8.8	7.3	7.4	9.9	16.4	16.8	24.4
STRG cm	31.5	32.4	33.3	30.6	21.8	21.1	35.1	43.4	42.9	58.3
AVG STRG	38.45±9.43									

DATE: 02-27-85
 DAY: 423
 PROBE: 2499 STANDARD COUNTS: 17234

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	2.0	1.4	1.6	2.2	1.4	3.4	3.1	2.5	0.2	0.5
30.0	8.2	8.8	8.8	9.2	10.1	9.9	9.6	9.5	7.9	8.7
46.0	10.7	11.2	10.6	10.6	12.0	11.8	10.2	10.4	10.7	10.7
61.0	12.2	12.0	12.4	10.8	14.4	12.5	11.3	10.8	11.2	11.1
76.0	12.2	12.0	12.4	11.7	13.2	12.7	12.1	11.8	10.9	11.2
91.0	11.4	12.4	12.6	11.8	13.8	11.7	11.9	11.7	10.8	11.6
107.0	11.5	13.2	12.8	11.7	13.3	8.8	11.8	11.2	11.8	11.6
122.0	11.2	13.0	12.2	12.3	10.1	5.6	11.5	11.3	12.0	11.2
137.0	11.5	12.6	12.5	12.2	6.4	4.5	12.5	10.7	11.6	11.9
152.0	11.5	13.2	12.2	12.2	5.6	5.6	12.5	11.5	12.0	11.4
167.0	11.2	13.6	13.2	12.2	5.8	5.9	12.7	11.4	13.1	11.4
183.0	10.6	13.2	12.1	12.7	6.0	6.3	12.6	12.8	13.7	11.7
198.0	11.6	13.2	12.3	13.3	7.2	7.5	13.0	12.8	14.6	11.9
213.0	12.0	13.4	12.0	13.2	7.3	8.1	13.4	13.0	14.3	12.3
229.0	11.3	12.5	11.8	12.7	7.7	7.7	13.2	12.6	13.9	12.0
244.0	11.1	13.0	11.8	12.5	7.9	7.8	12.7	13.4	14.0	14.3
259.0	12.3	13.1	11.9	12.1	8.2	9.2	13.3	14.9	15.5	24.2
274.0	12.4	13.4	11.9	10.6	9.2	10.8	14.0	28.1	23.9	44.0
AVG %	11.3	12.5	12.0	11.9	9.3	8.5	12.1	11.9	12.4	12.3
WASTE %	11.3	13.1	12.0	12.9	7.3	7.5	13.0	12.9	14.1	12.4
STRG cm	31.1	34.5	32.9	32.9	25.7	23.3	33.4	32.6	34.1	33.9
AVG STRG	33.17±1.07									

DATE: 03-12-85
 DAY: 436
 PROBE: 5140 STANDARD COUNTS: 11947

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
			3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.9	1.5	1.6	2.4	1.9	2.7	3.2	2.6	0.7	0.9
30.0	8.7	8.2	8.7	8.9	9.3	9.3	8.8	8.9	7.8	8.7
46.0	10.2	10.6	10.4	9.9	10.6	10.3	10.1	10.3	10.1	10.4
61.0	11.2	10.9	10.8	10.4	11.8	10.9	10.7	10.5	10.5	11.0
76.0	10.9	11.1	11.1	10.6	11.5	11.4	10.5	10.0	11.0	10.2
91.0	10.8	10.7	11.6	10.4	12.7	10.1	10.5	10.1	10.5	9.9
107.0	10.2	11.0	11.4	10.7	13.3	8.7	10.7	9.9	10.6	10.0
122.0	10.3	10.7	11.7	11.0	12.0	7.2	11.0	9.9	10.9	10.4
137.0	10.2	11.2	11.9	10.5	10.7	6.0	10.6	9.8	10.5	10.8
152.0	10.4	11.6	12.2	10.3	8.4	5.6	10.9	10.0	10.9	10.7
167.0	10.9	11.4	12.0	11.0	6.7	6.1	11.0	9.8	11.1	10.8
183.0	10.7	11.4	11.5	11.0	6.3	6.5	10.9	10.2	11.3	10.6
198.0	11.0	11.4	11.8	10.6	6.6	6.8	11.8	10.4	11.3	11.2
213.0	10.6	11.6	11.4	11.0	6.5	7.7	11.2	10.5	11.0	10.2
229.0	10.5	10.6	11.5	11.1	7.0	7.5	11.1	10.4	11.1	10.6
244.0	11.0	11.2	11.5	11.3	7.4	8.2	10.8	10.7	11.2	12.1
259.0	12.4	12.3	12.2	11.7	8.0	9.2	11.6	11.7	12.9	22.0
274.0	13.2	13.0	12.6	12.3	8.6	11.2	13.0	15.5	13.7	44.0
AVG %	10.6	11.0	11.4	10.7	9.3	8.2	10.8	10.2	10.8	11.2
WASTE %	10.8	11.2	11.5	11.0	6.8	7.3	11.2	10.4	11.2	11.0
STRG cm	29.2	30.2	31.3	29.3	25.6	22.6	29.6	28.1	29.7	30.9
AVG STRG	29.80±1.01									

DATE: 03-25-85
 DAY: 449
 PROBE: 5140 STANDARD COUNTS: 11933

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
			3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.1	0.5	0.8	1.1	0.9	1.8	2.2	1.7	0.0	0.0
30.0	7.2	8.1	8.0	8.1	7.8	8.5	8.6	8.0	6.6	6.6
46.0	9.8	10.1	10.4	9.4	9.4	9.3	9.8	8.9	9.6	9.5
61.0	10.8	10.8	10.9	10.1	10.5	10.4	10.4	9.6	10.1	10.2
76.0	10.7	10.9	11.8	10.4	11.0	10.7	10.6	9.4	10.7	10.1
91.0	10.5	10.6	11.4	10.1	12.0	10.3	10.6	9.3	10.6	9.7
107.0	10.1	11.0	11.5	10.9	12.1	9.5	10.9	9.2	11.0	9.6
122.0	10.4	10.8	11.5	11.0	10.3	8.2	11.1	9.2	10.6	10.0
137.0	10.0	11.0	11.3	10.6	10.5	7.6	10.7	9.3	10.2	9.4
152.0	10.3	11.7	11.7	10.6	9.4	7.3	11.0	9.0	11.1	10.1
167.0	10.6	11.3	11.8	10.8	7.5	6.7	11.0	9.3	10.3	9.7
183.0	10.9	11.6	11.3	10.9	6.7	6.1	10.6	9.1	10.7	9.8
198.0	11.0	11.7	11.3	11.6	7.0	7.2	10.8	9.6	11.5	10.0
213.0	10.9	11.5	11.3	11.5	6.9	7.7	11.0	9.9	11.7	9.7
229.0	10.8	11.3	11.3	11.2	7.1	7.6	11.0	10.1	11.1	9.5
244.0	11.4	11.8	11.8	10.9	7.3	8.1	12.0	10.2	11.2	11.1
259.0	12.6	13.0	12.3	11.7	8.2	8.8	12.2	10.7	12.2	19.1
274.0	13.6	13.9	13.5	12.9	8.6	10.4	13.9	13.9	14.1	44.0
AVG %	10.5	11.1	11.2	10.6	9.0	8.4	10.8	9.4	10.6	10.3
WASTE %	11.0	11.6	11.4	11.2	7.0	7.3	11.1	9.8	11.2	10.0
STRG cm	28.9	30.5	30.9	29.2	24.7	23.1	29.6	25.9	29.1	28.2
AVG STRG	29.05±1.52									

DATE: 04-10-85
 DAY: 465
 PROBE: 5140 STANDARD COUNTS: 11861

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.2	0.0	0.0
30.0	6.3	6.9	6.7	6.7	6.8	7.7	6.9	7.4	5.4	6.8
46.0	8.4	9.9	9.3	8.6	9.0	8.9	8.9	8.8	8.5	8.9
61.0	9.8	10.4	10.3	9.5	10.0	9.6	9.9	9.7	9.6	10.2
76.0	10.6	10.2	10.7	9.5	10.2	10.5	10.2	10.1	10.4	10.1
91.0	9.7	10.6	10.9	10.0	10.8	9.8	10.0	9.8	9.9	10.1
107.0	9.7	10.5	11.0	10.8	11.1	9.4	10.2	9.5	10.8	10.1
122.0	9.3	10.4	11.6	10.7	10.7	8.4	10.7	9.4	10.7	9.6
137.0	9.5	10.8	10.8	9.9	10.2	8.6	10.4	9.5	9.9	9.9
152.0	9.3	11.2	11.3	10.4	9.5	7.8	10.7	9.5	10.0	10.9
167.0	10.0	10.7	11.8	10.6	8.4	7.0	10.7	9.4	10.5	10.5
183.0	10.3	11.3	11.1	10.7	7.4	6.2	10.9	9.4	10.3	10.5
198.0	9.9	10.9	11.6	11.2	7.3	7.1	10.9	10.4	11.0	10.4
213.0	10.4	11.1	11.2	11.2	7.4	7.5	11.0	10.1	10.8	10.6
229.0	11.1	11.1	11.3	11.3	7.2	7.1	10.8	10.4	10.8	9.7
244.0	10.3	11.2	11.6	11.2	7.4	8.0	11.2	10.4	11.0	10.4
259.0	11.9	12.2	12.1	12.1	7.7	8.8	12.1	10.8	12.4	12.7
274.0	13.1	13.6	13.4	14.4	8.6	10.5	13.3	14.0	12.7	18.8
AVG %	9.8	10.6	10.8	10.3	8.8	8.3	10.4	9.7	10.1	10.1
WASTE %	10.4	11.1	11.4	11.1	7.3	7.2	11.0	10.1	10.8	10.3
STRG cm	26.9	29.2	29.8	28.3	24.3	22.8	28.5	26.6	27.9	27.7
AVG STRG	28.11±1.08									

DATE: 04-24-85
 DAY: 479
 PROBE: 5140 STANDARD COUNTS: 11835

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.2	1.2	0.1	0.0	0.0
30.0	6.0	6.7	6.4	6.1	6.6	7.2	7.2	7.2	5.8	5.9
46.0	8.3	9.6	8.6	8.4	8.1	8.3	8.4	9.0	8.2	8.2
61.0	10.3	10.0	9.9	9.5	9.7	9.2	9.7	9.8	9.8	10.0
76.0	10.5	10.2	10.9	10.3	9.6	10.0	9.8	9.6	10.4	9.6
91.0	10.2	10.1	10.2	10.2	10.6	9.5	10.4	9.6	10.3	9.7
107.0	9.4	10.3	11.0	10.3	11.2	9.4	10.4	9.8	10.1	9.9
122.0	9.0	10.6	10.7	10.2	10.1	8.5	10.5	9.3	10.4	9.7
137.0	9.3	10.7	10.8	9.9	9.9	9.1	10.3	9.1	9.8	9.9
152.0	9.5	10.6	11.1	10.2	9.3	8.9	10.3	9.6	10.4	11.0
167.0	10.0	11.4	11.3	9.9	8.6	7.7	10.8	9.5	10.5	10.2
183.0	9.7	11.0	10.3	10.9	8.3	7.0	10.6	9.6	10.5	9.9
198.0	10.3	11.6	11.1	10.8	7.8	7.4	10.9	10.6	11.0	10.5
213.0	10.5	11.0	11.2	11.5	7.3	8.0	10.7	10.7	11.0	9.8
229.0	10.3	11.4	11.1	11.4	7.0	7.6	11.3	10.2	10.3	9.7
244.0	10.5	11.8	11.7	11.3	7.2	8.1	11.3	10.3	11.1	10.8
259.0	11.1	12.5	11.7	12.2	7.8	8.8	12.2	11.2	11.8	12.9
274.0	13.3	14.2	13.9	14.2	8.7	10.8	14.2	14.3	12.9	18.8
AVG %	9.7	10.6	10.5	10.2	8.7	8.4	10.3	9.7	10.1	9.9
WASTE %	10.3	11.4	11.1	11.2	7.5	7.6	11.0	10.3	10.8	10.1
STRG cm	26.7	29.2	28.9	28.1	23.9	23.2	28.3	26.7	27.8	27.1
AVG STRG	27.84±0.96									

DATE: 05-08-85
 DAY: 493
 PROBE: 5140 STANDARD COUNTS: 11920

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	5.9	6.5	5.7	5.9	6.1	6.1	6.8	6.7	5.0	5.1
46.0	7.9	9.0	8.2	7.9	7.8	7.8	8.4	8.2	7.4	7.4
61.0	9.9	9.9	9.8	9.1	8.3	8.7	9.6	8.8	8.8	8.8
76.0	10.4	9.8	9.9	9.7	9.2	9.2	10.0	9.0	9.3	9.1
91.0	9.5	9.6	10.0	10.0	10.1	9.1	10.2	9.3	9.7	9.2
107.0	9.4	9.8	10.2	10.2	10.9	9.2	10.0	9.1	9.3	9.4
122.0	9.3	9.8	10.2	9.9	10.0	8.1	10.2	8.5	9.6	9.7
137.0	9.5	10.4	10.6	9.9	9.2	8.6	10.5	9.3	9.2	9.7
152.0	9.8	9.9	10.5	10.2	9.2	8.4	10.4	8.9	9.7	10.1
167.0	10.0	10.1	10.7	10.1	8.7	8.1	10.2	8.7	10.0	10.2
183.0	10.2	10.3	10.8	10.3	8.3	7.4	10.2	8.9	10.1	9.6
198.0	10.2	10.6	11.1	10.5	7.9	7.2	10.7	9.6	10.3	10.1
213.0	10.5	10.5	11.4	10.8	7.7	7.9	10.6	9.6	10.0	10.0
229.0	10.6	10.3	10.7	10.7	7.7	7.4	10.9	9.5	10.3	9.8
244.0	11.2	10.9	11.3	10.9	7.4	8.1	10.9	9.7	10.5	10.6
259.0	11.9	11.5	12.7	11.8	7.9	9.1	11.9	11.0	12.0	12.8
274.0	13.9	13.2	19.5	14.0	8.5	10.6	13.9	14.3	13.1	20.4
AVG %	9.8	9.9	10.2	9.9	8.5	8.1	10.1	9.1	9.5	9.5
WASTE %	10.5	10.5	11.1	10.6	7.8	7.6	10.6	9.5	10.3	10.0
STRG cm	26.9	27.3	28.2	27.1	23.5	22.4	27.8	24.9	26.0	26.1
AVG STRG	26.79±1.06									

DATE: 05-21-85
 DAY: 506
 PROBE: 5140 STANDARD COUNTS: 11823

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	5.4	11.4	6.0	5.8	5.6	5.5	6.5	6.3	4.6	4.5
46.0	8.2	8.7	8.6	7.7	7.6	7.4	8.3	8.1	7.6	7.0
61.0	9.5	9.5	10.3	8.8	8.7	8.1	9.2	9.3	8.7	9.0
76.0	10.1	9.7	10.0	9.4	8.8	8.7	9.6	9.2	9.5	9.2
91.0	9.3	9.3	10.1	9.3	9.6	8.6	9.4	9.4	9.7	9.1
107.0	9.5	9.9	10.4	9.7	9.7	8.3	9.8	9.4	9.6	9.6
122.0	9.6	9.7	10.6	9.5	9.1	8.1	10.3	9.4	9.4	10.0
137.0	9.3	10.0	10.8	9.5	8.9	7.8	10.0	9.3	9.8	9.8
152.0	9.8	10.2	10.6	10.0	8.7	8.0	9.5	9.4	9.7	10.4
167.0	10.6	10.0	10.8	10.5	8.3	8.1	9.7	8.8	10.2	10.1
183.0	10.0	10.0	11.1	10.8	8.5	7.3	10.0	8.9	10.5	10.1
198.0	10.5	10.4	10.9	10.5	8.5	7.7	9.7	9.7	10.6	10.5
213.0	10.7	9.9	11.2	10.8	7.5	7.5	10.4	10.3	10.2	9.7
229.0	10.9	10.1	11.5	10.7	7.3	7.4	10.3	9.8	10.1	9.7
244.0	11.5	11.0	11.3	10.8	7.5	7.9	10.4	10.2	10.6	11.1
259.0	12.5	11.4	11.9	11.6	7.9	8.7	11.3	11.2	11.9	12.1
274.0	14.9	13.5	14.1	14.6	8.4	10.6	13.7	15.2	13.5	20.9
AVG %	9.8	10.1	10.4	9.7	8.3	7.8	9.6	9.3	9.5	9.5
WASTE %	10.7	10.3	11.2	10.7	7.9	7.6	10.2	9.8	10.4	10.2
STRG cm	27.1	27.7	28.6	26.7	22.7	21.5	26.5	25.6	26.2	26.1
AVG STRG	26.81±0.95									

DATE: 06-17-85
 DAY: 533
 PROBE: 2499 STANDARD COUNTS: 33930

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
30.0	5.5	6.2	5.1	5.4	5.4	6.4	6.3	6.7	4.9	4.2
46.0	7.4	8.4	8.3	6.9	7.8	7.6	8.1	8.4	7.6	7.3
61.0	9.7	9.2	9.8	8.7	8.4	8.2	9.1	9.2	9.2	8.7
76.0	9.9	9.5	9.5	9.0	8.6	8.7	9.1	9.3	10.4	8.6
91.0	9.1	9.7	9.9	9.4	9.3	8.7	9.4	9.1	10.0	9.3
107.0	9.1	9.6	10.1	9.7	9.5	8.7	9.8	9.2	10.2	9.5
122.0	9.2	9.6	10.7	9.7	9.1	8.5	10.3	9.6	10.1	9.7
137.0	9.2	9.4	10.7	9.4	8.8	8.6	9.8	9.7	10.0	9.7
152.0	9.6	9.7	10.9	10.4	9.0	8.7	10.1	10.2	11.1	11.3
167.0	10.2	10.6	11.2	10.7	8.5	8.5	10.1	9.9	12.1	10.5
183.0	10.0	10.5	11.1	10.8	8.7	8.0	10.6	10.4	12.4	10.4
198.0	9.9	10.7	11.9	11.2	9.3	8.4	10.9	11.2	13.3	10.8
213.0	10.8	11.0	12.0	11.7	8.7	8.6	11.5	11.2	13.2	10.8
229.0	8.1	10.7	12.2	11.8	8.4	8.2	11.5	11.3	12.7	10.7
244.0	11.1	11.1	12.4	12.2	7.9	8.7	12.1	11.0	12.5	11.9
259.0	11.8	12.2	12.0	13.0	8.5	9.0	13.2	11.8	13.2	14.3
274.0	14.7	14.8	15.3	18.7	9.2	11.1	17.2	16.8	15.4	25.9
AVG %	9.4	9.9	10.5	10.0	8.5	8.3	10.1	9.9	10.8	9.9
WASTE %	10.0	10.8	11.9	11.5	8.6	8.4	11.3	11.0	12.8	10.9
STRG cm	25.9	27.2	28.9	27.5	23.4	23.0	27.9	27.2	29.7	27.1
AVG STRG	27.67±1.18									

DATE: 07-11-85
 DAY: 557
 PROBE: 6031 STANDARD COUNTS: 8486

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.2	3.8	3.8	3.9	3.8	4.5	4.6	4.3	2.8	2.4
46.0	6.7	7.3	7.5	6.8	6.3	6.6	7.3	7.5	6.1	6.2
61.0	8.6	8.2	8.4	7.4	7.7	7.3	8.2	8.8	8.1	8.0
76.0	8.6	8.4	9.3	8.8	8.8	8.3	9.1	9.0	9.2	8.0
91.0	8.6	8.8	9.6	9.1	9.0	8.5	9.3	8.6	9.0	8.1
107.0	8.3	9.4	9.4	8.8	9.3	8.5	9.3	9.1	9.5	8.5
122.0	8.9	9.2	11.1	9.2	8.3	7.7	9.6	9.0	9.5	9.0
137.0	8.5	9.3	10.5	9.8	8.0	8.8	9.3	8.9	9.4	9.3
152.0	9.8	9.2	10.3	10.1	8.4	8.6	9.8	9.1	9.6	10.0
167.0	9.2	10.0	10.5	9.9	8.3	8.5	9.7	9.0	10.5	8.8
183.0	10.2	10.1	10.1	10.0	8.7	8.5	10.0	9.0	10.2	9.5
198.0	9.9	10.1	10.9	10.4	8.7	7.7	9.8	9.8	10.8	9.8
213.0	10.2	10.2	11.3	10.3	9.0	8.4	10.1	9.9	9.9	9.9
229.0	10.0	10.6	10.5	10.2	8.1	8.2	10.2	10.1	10.1	9.4
244.0	9.8	11.1	11.1	10.2	7.9	8.3	10.1	9.9	10.5	10.2
259.0	11.4	12.3	11.5	11.6	8.0	9.3	11.6	10.7	12.6	13.6
274.0	14.2	14.1	13.6	13.6	8.9	11.2	13.3	14.6	12.6	24.9
AVG %	8.9	9.3	9.7	9.1	8.0	8.0	9.2	8.9	9.2	8.8
WASTE %	10.0	10.4	10.8	10.2	8.5	8.2	10.0	9.7	10.3	9.7
STRG cm	24.4	25.5	26.8	25.2	22.1	21.9	25.5	24.5	25.4	24.2
AVG STRG	25.18±0.84									

DATE: 08-14-85
 DAY: 591
 PROBE: 6031 STANDARD COUNTS: 8504

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	2.9	3.2	3.5	3.5	3.4	3.8	4.0	3.8	1.9	2.6
45.0	6.4	6.7	6.6	5.6	6.3	5.9	6.4	5.7	5.9	5.5
60.0	7.7	7.5	7.9	6.9	6.9	6.8	7.2	7.3	7.4	6.7
75.0	8.7	7.5	7.7	7.6	7.4	7.2	8.2	7.5	8.4	7.1
90.0	8.1	7.4	9.0	8.3	8.0	7.3	8.2	7.9	8.2	7.4
105.0	7.6	8.3	9.3	9.1	8.2	7.8	8.7	8.6	9.4	7.8
120.0	7.8	8.1	9.2	9.1	7.6	7.4	8.4	8.7	8.8	8.2
135.0	8.0	8.5	9.6	8.2	8.3	8.4	9.4	8.1	8.7	7.7
150.0	9.0	8.5	9.7	9.4	7.9	8.2	9.5	8.0	9.7	8.8
165.0	8.9	8.5	10.0	9.3	8.1	8.6	9.4	8.0	10.2	8.8
180.0	9.3	8.8	9.7	9.5	7.9	8.1	9.4	8.2	9.7	8.9
195.0	9.7	9.4	10.0	10.1	8.4	8.2	9.2	9.0	10.4	9.1
210.0	9.7	9.4	10.4	10.1	8.9	9.1	9.7	8.6	10.7	8.6
225.0	9.6	9.6	11.0	10.6	8.1	9.0	10.1	9.0	10.0	8.5
240.0	9.8	10.1	10.9	10.1	8.6	9.3	10.5	9.0	9.6	8.5
255.0	11.7	12.0	11.7	11.3	8.1	9.4	11.3	9.8	11.4	8.5
270.0	13.6	12.6	13.4	13.6	9.3	13.1	13.5	12.4	13.4	8.5
AVG %	8.4	8.3	9.1	8.7	7.6	7.8	8.7	7.9	8.8	7.7
WASTE %	9.6	9.4	10.4	10.1	8.4	8.8	9.8	8.8	10.1	8.7
STRG cm	23.2	23.0	25.2	23.9	21.0	21.4	24.0	21.9	24.1	21.1
AVG STRG	23.29±1.3									

DATE: 09-03-85
 DAY: 611
 PROBE: 6031 STANDARD COUNTS: 8542

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	2.5	2.8	3.5	3.6	3.3	3.7	3.5	3.7	1.6	2.0
45.0	5.7	6.2	5.9	5.5	5.8	5.8	6.3	6.1	5.3	5.1
60.0	7.4	6.1	7.9	6.4	6.2	7.2	7.3	6.8	6.7	6.8
75.0	7.0	7.2	8.5	7.6	6.8	6.9	8.1	7.3	6.9	7.1
90.0	8.0	7.4	8.4	7.8	7.8	7.4	8.1	7.6	8.5	7.1
105.0	7.4	8.2	8.3	8.2	8.2	7.3	7.8	7.7	8.0	6.8
120.0	7.8	8.4	9.8	8.4	7.0	7.2	8.3	8.1	8.7	7.1
135.0	8.5	8.1	9.5	8.1	7.7	7.3	8.3	7.7	8.3	7.7
150.0	8.4	8.3	9.0	8.3	7.7	8.1	8.5	7.7	9.1	8.0
165.0	8.8	8.3	9.7	9.5	8.0	7.9	8.6	7.9	9.1	7.4
180.0	8.9	8.7	9.7	8.8	7.9	7.8	8.7	8.1	9.9	7.5
195.0	9.0	9.5	9.8	9.3	9.0	8.4	9.6	8.6	10.1	8.1
210.0	9.3	9.2	10.3	9.8	8.7	8.5	9.6	9.3	10.4	7.5
225.0	8.8	9.9	10.4	10.0	8.4	8.5	10.1	9.4	9.8	8.2
240.0	9.3	10.1	10.5	10.3	8.8	8.6	9.5	9.4	9.2	8.2
255.0	10.5	10.6	11.2	11.7	8.7	9.3	9.9	10.3	10.9	8.2
270.0	12.9	12.3	12.9	12.6	10.2	11.0	11.1	12.9	12.0	8.2
AVG %	8.0	8.1	8.9	8.3	7.5	7.5	8.3	7.9	8.3	7.1
WASTE %	9.0	9.5	10.2	9.6	8.6	8.4	9.5	9.0	9.9	7.9
STRG cm	21.9	22.2	24.5	22.9	20.6	20.6	22.7	21.6	22.8	19.4
AVG STRG	22.26±1.45									

DATE: 09-25-85
 DAY: 633
 PROBE: 6031 STANDARD COUNTS: 8571

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.4	3.5	3.9	3.6	3.8	3.8	3.8	4.2	2.8	3.1
45.0	5.8	6.3	6.5	5.6	5.2	6.3	5.8	5.8	5.6	5.4
60.0	6.6	6.8	7.6	6.4	6.7	6.8	6.5	6.9	6.2	6.6
75.0	7.1	6.5	7.6	7.1	6.2	6.9	7.7	7.1	7.4	6.4
90.0	7.7	7.3	8.0	6.8	7.3	7.5	7.0	7.4	7.2	6.6
105.0	7.8	8.3	8.4	7.9	7.7	7.4	7.4	7.7	7.7	7.6
120.0	7.8	8.3	8.7	7.8	7.4	6.5	8.2	7.9	8.0	8.0
135.0	7.0	8.0	8.7	8.1	7.2	7.2	8.2	7.6	8.0	7.3
150.0	8.3	8.6	9.2	8.1	7.4	8.6	8.4	8.3	8.3	8.5
165.0	9.2	7.9	9.8	8.8	7.1	8.2	9.1	7.5	8.9	8.0
180.0	8.9	8.4	9.4	9.2	8.0	7.6	8.8	7.4	9.5	8.0
195.0	9.5	8.8	10.0	8.8	7.7	8.3	8.9	9.0	10.2	8.7
210.0	9.5	9.4	10.8	9.3	8.1	8.3	9.1	8.6	9.9	8.4
225.0	8.8	9.0	10.1	8.9	8.6	8.8	9.6	9.3	9.3	8.2
240.0	10.4	9.6	9.7	9.4	8.1	8.8	8.7	9.7	10.0	8.2
255.0	13.4	10.7	11.0	10.9	8.8	10.0	10.1	9.0	10.6	8.2
270.0	12.7	13.0	11.9	12.9	9.9	11.6	12.3	12.2	12.5	8.2
AVG %	8.2	8.0	8.7	7.9	7.2	7.6	8.0	7.7	8.1	7.3
WASTE %	9.4	9.0	10.0	9.1	8.1	8.4	9.0	8.8	9.8	8.3
STRG cm	22.6	21.9	24.0	21.8	19.8	20.8	21.9	21.2	22.3	20.2
AVG STRG	21.98±1.10									

DATE: 10-23-85
 DAY: 661
 PROBE: 6031 STANDARD COUNTS: 8597

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3	0.0	0.0
30.0	3.6	3.9	4.0	3.6	4.1	4.1	4.3	5.6	3.3	1.4
45.0	5.1	5.9	6.4	5.6	5.8	5.2	5.7	6.7	5.2	5.5
60.0	7.0	7.1	7.3	6.1	6.0	6.3	6.9	6.7	6.7	6.3
75.0	7.0	6.5	7.0	6.7	7.0	5.8	6.8	6.2	7.0	6.6
90.0	6.9	7.7	6.9	6.7	7.1	6.1	6.6	7.3	7.7	6.3
105.0	6.8	7.3	8.4	7.5	7.1	6.4	7.5	7.4	7.5	6.4
120.0	7.2	7.5	8.8	8.0	6.9	6.8	7.4	7.6	7.7	7.1
135.0	7.6	8.1	8.8	7.0	6.2	7.2	7.8	7.4	7.6	6.9
150.0	7.5	8.3	8.8	7.6	6.6	7.2	7.6	7.6	8.3	8.4
165.0	8.5	7.9	9.2	8.6	6.7	7.2	7.7	7.7	8.7	7.4
180.0	8.2	8.5	9.0	9.1	7.2	7.3	7.9	7.5	8.9	7.4
195.0	8.6	8.9	8.9	9.0	7.6	7.5	8.2	8.1	8.9	7.3
210.0	8.2	9.5	9.7	8.6	7.9	8.3	8.1	8.1	9.8	8.5
225.0	8.0	8.8	9.3	9.4	7.7	7.3	8.6	8.5	9.7	7.6
240.0	8.3	9.2	9.6	9.3	8.0	8.2	8.4	9.2	9.6	8.1
255.0	9.8	10.8	10.7	10.2	8.4	8.6	9.1	9.7	11.2	10.1
270.0	12.2	12.1	11.8	12.9	10.1	10.1	11.1	11.9	12.7	13.5
AVG %	7.4	7.9	8.3	7.7	6.9	6.8	7.4	7.6	8.0	7.0
WASTE %	8.3	9.0	9.3	9.1	7.7	7.7	8.2	8.3	9.4	7.8
STRG cm	20.3	21.7	22.9	21.1	18.9	18.8	20.4	20.9	22.0	19.2
AVG STRG	21.05±1.14									

DATE: 11-19-85
 DAY: 688
 PROBE: 6031 STANDARD COUNTS: 8636

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.5	1.3	1.7	1.4	1.1	1.3	2.6	2.4	1.1	1.1
30.0	4.4	4.5	5.0	4.5	4.5	4.7	5.1	5.2	4.1	4.1
45.0	5.3	6.1	6.1	5.3	5.3	5.1	5.5	6.1	6.0	5.4
60.0	6.1	6.5	6.9	5.7	6.1	6.1	5.9	6.5	6.6	5.9
75.0	6.7	6.4	6.9	6.2	6.4	5.8	6.5	6.5	7.2	5.7
90.0	6.2	6.8	7.1	6.2	6.3	6.0	6.7	6.5	7.2	6.4
105.0	6.5	6.7	7.3	7.2	7.0	6.1	6.8	6.8	6.7	6.7
120.0	6.9	7.0	8.7	6.6	6.5	6.2	7.7	6.8	7.5	6.6
135.0	6.7	7.2	7.6	7.5	6.2	7.1	7.1	7.5	7.4	7.1
150.0	7.9	7.4	8.3	7.2	6.9	6.8	7.9	7.9	8.7	7.4
165.0	8.0	7.7	9.2	7.9	6.8	7.1	8.1	7.3	9.1	7.6
180.0	8.0	7.5	8.8	7.6	7.1	7.2	8.3	7.3	9.1	7.7
195.0	7.8	7.7	8.9	8.0	7.6	7.3	8.3	8.3	9.1	7.8
210.0	8.0	8.1	9.6	7.9	7.6	7.5	8.5	8.2	9.5	7.6
225.0	8.0	8.5	10.1	8.3	8.5	8.0	8.5	8.2	9.7	7.8
240.0	8.7	8.9	9.2	8.3	8.5	8.2	8.9	8.9	9.0	8.3
255.0	9.2	10.0	10.6	8.9	9.0	8.2	10.3	9.2	11.0	9.7
270.0	11.6	12.1	11.9	11.4	9.8	10.8	11.6	11.4	12.3	11.6
AVG %	7.2	7.3	8.1	7.1	6.9	6.7	7.5	7.3	8.0	7.0
WASTE %	8.1	8.1	9.3	8.0	7.9	7.6	8.5	8.2	9.3	7.8
STRG cm	19.7	20.2	22.4	19.5	19.0	18.4	20.6	20.2	22.0	19.2
AVG STRG	20.47±1.16									

DATE: 12-20-85
 DAY: 719
 PROBE: 6031 STANDARD COUNTS: 8701

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	6.6	6.0	6.2	10.4	9.5	8.7	8.2	9.4	9.0	8.8
15.0	9.0	8.4	8.4	10.7	8.9	7.9	6.9	8.6	8.6	8.6
30.0	9.3	9.1	9.0	9.5	8.2	8.5	7.0	8.3	8.7	8.3
45.0	9.1	8.8	9.1	8.8	8.5	9.6	7.3	8.9	8.8	8.5
60.0	9.8	8.3	9.0	10.0	7.2	8.5	7.7	10.4	10.2	9.3
75.0	7.9	8.7	10.0	10.0	6.5	7.5	7.4	9.5	10.3	8.8
90.0	7.2	8.3	9.5	10.5	6.5	6.7	7.0	8.3	10.7	8.7
105.0	7.4	7.8	10.0	10.7	6.7	6.3	6.5	8.0	11.1	8.3
120.0	7.7	6.6	10.7	9.9	6.5	6.2	6.9	7.3	11.1	7.5
135.0	7.3	7.2	11.1	8.3	6.5	6.3	6.9	7.1	10.5	7.1
150.0	7.4	7.4	11.0	7.6	6.6	6.5	8.2	7.2	10.2	7.6
165.0	8.2	7.3	11.1	8.5	6.3	7.0	7.6	7.9	9.4	8.0
180.0	8.4	7.3	10.2	8.7	6.4	7.1	8.2	7.6	8.8	7.3
195.0	8.4	7.4	9.7	7.9	6.5	7.8	8.1	8.1	9.1	7.5
210.0	7.6	8.2	9.3	8.7	7.6	7.9	7.7	8.9	10.1	7.7
225.0	8.1	8.1	9.1	8.7	7.6	7.9	8.2	8.8	9.7	7.6
240.0	8.6	8.8	9.3	8.9	8.2	7.9	7.8	8.8	9.7	7.8
255.0	9.3	9.4	9.8	10.3	8.9	8.8	9.1	9.5	10.8	9.6
270.0	11.9	11.9	11.9	12.9	9.8	11.1	11.9	11.9	12.7	12.3
AVG %	8.2	8.0	9.9	9.2	7.2	7.5	7.6	8.4	10.0	8.1
WASTE %	8.2	7.9	9.5	8.6	7.3	7.7	8.0	8.4	9.5	7.6
STRG cm	22.7	22.1	27.1	25.3	19.7	20.7	20.9	23.2	27.4	22.3
AVG STRG	23.87±2.43									

DATE: 01-21-86
 DAY: 751
 PROBE: 6031 STANDARD COUNTS: 8628

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	4.5	2.9	3.4	3.3	2.5	3.1	3.4	3.9	1.5	2.1
30.0	9.9	8.9	9.5	8.3	8.8	9.2	8.5	9.2	7.5	8.5
45.0	11.4	10.6	10.8	9.9	11.1	11.1	10.3	10.8	11.0	10.3
60.0	13.1	12.1	11.9	11.2	11.8	11.0	11.1	11.2	11.6	11.3
75.0	13.2	11.9	12.5	11.7	13.3	11.5	11.6	11.1	11.8	11.2
90.0	13.2	11.9	12.6	11.9	13.7	11.0	11.5	11.4	12.4	11.4
105.0	12.9	12.3	13.4	12.2	14.6	9.4	12.5	11.9	12.4	11.4
120.0	13.2	12.1	12.8	13.0	14.2	8.1	12.3	12.0	12.6	12.2
135.0	12.7	12.5	12.8	12.1	13.2	7.9	13.1	11.3	12.2	12.0
150.0	12.6	11.5	13.4	12.7	12.1	7.8	12.8	11.4	13.2	12.6
165.0	12.9	11.5	13.7	12.4	10.1	7.5	12.5	11.2	12.6	11.8
180.0	13.3	11.5	12.6	12.3	7.8	8.1	12.4	11.5	12.8	11.5
195.0	13.2	11.5	12.4	12.0	7.9	8.2	12.2	11.2	13.2	12.2
210.0	12.2	11.7	12.4	12.3	8.3	7.9	11.5	11.3	13.5	11.6
225.0	12.9	11.4	12.9	10.7	7.9	7.9	10.8	9.4	11.9	12.1
240.0	12.3	11.2	13.0	10.2	8.9	8.5	9.4	8.6	11.0	11.8
255.0	13.9	12.6	13.1	12.2	9.3	9.9	9.6	9.1	11.3	13.2
270.0	15.4	13.4	14.3	13.3	10.6	11.2	12.4	11.8	12.5	13.0
AVG %	12.7	11.6	12.5	11.6	10.8	9.1	11.4	10.8	11.9	11.6
WASTE %	12.8	11.5	12.7	11.5	8.1	8.1	11.3	10.4	12.4	11.8
STRG cm	34.9	31.9	34.4	31.8	29.7	24.9	31.3	29.7	32.8	31.8
AVG STRG	32.32±1.68									

DATE: 02-04-86
 DAY: 765
 PROBE: 6031 STANDARD COUNTS: 8673

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0
15.0	4.9	4.1	4.6	3.7	3.0	4.1	4.9	4.9	2.7	3.6
30.0	9.8	9.6	9.3	8.9	8.9	9.1	9.2	9.5	8.3	9.6
45.0	11.2	10.6	10.7	10.2	11.2	10.6	10.3	11.3	10.6	10.7
60.0	12.0	10.9	10.7	10.7	12.3	10.5	10.8	11.0	11.3	11.1
75.0	11.8	11.6	12.0	11.4	12.0	11.0	10.9	11.2	11.4	11.0
90.0	11.4	11.8	11.9	11.6	12.3	10.5	11.6	10.8	11.5	11.5
105.0	10.7	11.4	12.3	12.1	13.0	9.7	10.9	10.7	11.8	11.1
120.0	11.1	11.7	12.7	11.6	12.5	8.6	10.9	10.8	11.5	11.1
135.0	11.6	11.2	12.2	11.0	12.2	8.3	11.2	10.8	11.6	11.8
150.0	12.0	12.2	12.3	11.4	11.2	8.5	11.3	10.7	12.0	11.6
165.0	11.5	11.3	12.7	11.3	10.6	8.6	11.8	11.2	12.3	12.2
180.0	12.1	12.3	12.0	12.0	10.3	8.3	11.9	11.0	12.2	12.2
195.0	11.5	11.7	11.3	11.9	10.1	7.8	11.7	12.0	12.5	11.8
210.0	12.0	11.4	11.9	12.4	10.4	8.1	12.2	11.3	13.2	11.9
225.0	12.0	11.7	11.2	11.7	8.5	8.4	12.1	11.2	13.1	10.2
240.0	11.5	12.1	11.6	12.6	9.1	8.3	12.0	11.5	11.8	11.7
255.0	12.9	13.2	12.2	12.7	9.4	9.8	12.4	11.6	13.0	13.0
270.0	14.9	13.6	13.8	13.7	12.2	13.0	14.1	13.2	13.3	13.6
AVG %	11.6	11.5	11.7	11.5	10.9	9.1	11.3	11.0	11.7	11.4
WASTE %	11.8	11.9	11.6	12.1	9.7	8.2	12.0	11.4	12.5	11.6
STRG cm	31.9	31.8	32.1	31.6	29.9	25.1	31.2	30.4	32.3	31.4
AVG STRG	31.57±0.62									

DATE: 02-19-86
 DAY: 780
 PROBE: 6031 STANDARD COUNTS: 8709

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15.0	3.1	3.1	3.5	2.8	2.6	3.5	3.6	3.5	1.4	
30.0	8.9	9.4	8.8	9.1	8.5	8.5	8.9	9.7	8.1	
45.0	10.4	11.1	10.3	11.1	10.5	10.4	10.3	10.7	10.3	
60.0	11.4	11.5	10.4	10.3	10.9	10.3	10.5	10.3	11.3	
75.0	10.9	10.7	9.8	10.5	10.6	11.1	10.4	10.1	11.7	
90.0	10.2	10.2	10.4	10.3	10.8	10.9	9.9	9.8	11.4	
105.0	10.3	10.2	10.9	10.1	11.1	9.8	10.4	9.9	10.8	
120.0	10.0	10.1	11.6	9.8	11.1	9.2	10.0	9.4	11.1	
135.0	10.3	9.9	10.7	9.7	10.8	9.1	10.1	9.8	10.9	
150.0	10.0	10.4	12.0	10.4	9.9	9.2	10.8	9.6	11.7	
165.0	10.7	10.9	11.3	10.6	10.3	8.7	10.5	10.7	11.9	
180.0	10.4	10.8	11.3	11.4	9.9	8.7	11.3	10.8	11.2	
195.0	10.4	11.6	11.9	11.2	10.7	8.6	11.6	11.2	12.7	
210.0	11.1	11.3	12.6	11.5	10.2	8.7	11.5	11.0	12.3	
225.0	11.6	11.5	11.6	11.8	10.4	8.8	11.9	12.6	12.2	
240.0	10.8	12.1	12.6	11.9	11.0	8.1	12.5	11.8	12.8	
255.0	11.2	12.9	13.2	13.1	11.1	10.2	13.2	12.3	12.9	
270.0	14.6	13.6	14.1	15.8	13.1	14.3	15.2	15.3	14.9	
AVG %	10.5	10.9	11.2	10.8	10.5	9.4	10.9	10.6	11.5	
WASTE %	10.8	11.4	12.0	11.6	10.4	8.6	11.7	11.5	12.2	
STRG cm	29.0	30.0	30.8	29.7	28.8	25.8	29.9	29.2	31.5	
AVG STRG	29.99±0.83									

DATE: 03-06-86
 DAY: 795
 PROBE: 6031 STANDARD COUNTS: 8614

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15.0	1.5	1.0	1.3	1.2	0.9	1.7	2.1	2.1	0.0	
30.0	6.6	6.8	6.9	7.5	7.0	7.4	7.1	7.4	6.6	
45.0	8.9	9.3	9.9	9.0	9.6	9.3	9.1	9.1	9.2	
60.0	10.5	10.6	10.6	9.5	10.7	9.3	10.4	9.9	9.9	
75.0	11.8	10.4	11.7	10.7	11.1	9.7	10.5	9.8	10.2	
90.0	10.9	10.7	10.8	10.8	11.6	10.1	10.7	9.6	10.9	
105.0	10.2	10.4	11.5	10.9	12.2	9.6	10.3	10.4	11.1	
120.0	10.3	10.8	11.8	11.0	11.6	8.6	10.6	10.2	10.6	
135.0	10.4	11.3	11.8	10.9	11.0	9.6	10.8	10.5	11.2	
150.0	10.7	11.5	11.9	11.6	10.6	9.5	11.5	10.0	11.4	
165.0	11.1	10.4	12.2	11.4	10.3	9.1	11.1	10.4	12.1	
180.0	11.8	11.2	12.0	11.5	9.9	9.2	11.2	11.2	12.1	
195.0	11.0	11.3	12.2	11.6	10.8	8.7	12.3	11.9	12.9	
210.0	11.5	11.8	11.7	12.4	11.2	9.1	12.4	12.1	13.2	
225.0	11.4	11.2	12.1	12.5	11.3	9.7	12.7	11.9	12.3	
240.0	11.9	11.8	11.9	12.5	11.4	10.0	12.6	11.8	12.8	
255.0	12.2	12.4	12.9	13.5	11.4	11.0	14.1	12.3	14.1	
270.0	13.9	13.9	13.8	16.5	13.5	15.9	16.9	16.2	16.3	
AVG %	10.7	10.7	11.4	11.1	10.7	9.4	11.1	10.5	11.3	
WASTE %	11.5	11.5	12.0	12.1	10.9	9.4	12.2	11.8	12.7	
STRG cm	29.5	29.6	31.3	30.5	29.5	25.8	30.5	29.0	31.1	
AVG STRG	30.06±0.88									

DATE: 03-20-86
 DAY: 809
 PROBE: 6031 STANDARD COUNTS: 8426

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	2.2	2.2	2.1	2.5	1.8	2.2	3.0	3.5	0.6	1.3
30.0	8.4	8.7	9.0	8.1	8.2	8.7	8.4	8.6	8.1	7.9
45.0	9.8	9.9	9.8	10.2	9.9	10.5	10.2	10.7	9.9	10.1
60.0	11.8	11.2	10.9	9.7	11.1	9.7	10.2	10.8	10.9	9.8
75.0	10.6	10.4	11.4	11.1	10.9	10.8	10.4	10.4	10.4	10.1
90.0	10.7	11.0	11.2	10.0	11.3	10.7	10.5	9.9	10.7	9.8
105.0	10.2	10.5	10.8	10.9	11.6	8.9	10.4	9.6	10.8	9.8
120.0	10.0	10.4	10.6	10.5	10.7	9.2	10.7	9.9	10.0	9.7
135.0	10.4	9.6	10.9	9.9	11.0	9.3	10.9	9.8	10.8	10.0
150.0	10.6	11.1	11.0	10.5	10.1	9.7	10.3	10.6	11.7	10.7
165.0	11.5	11.2	11.5	11.3	9.9	9.9	10.9	10.7	12.3	10.4
180.0	11.2	11.4	11.6	11.2	10.0	9.1	11.2	11.1	11.8	10.7
195.0	11.8	11.5	11.2	11.6	10.6	9.8	11.9	12.3	12.2	11.8
210.0	11.9	12.4	12.4	12.2	10.0	10.1	12.0	12.9	13.7	11.2
225.0	11.9	11.7	12.2	11.9	11.1	10.3	11.8	12.8	12.0	11.5
240.0	11.7	12.1	12.7	12.8	10.9	9.7	11.3	12.7	12.8	11.7
255.0	13.6	13.0	13.6	13.8	12.0	11.4	12.2	14.0	14.1	14.6
270.0	15.8	14.9	15.7	16.2	13.4	14.3	13.6	18.7	19.7	23.2
AVG %	11.0	11.0	11.3	11.0	10.6	9.9	10.8	11.0	11.4	10.6
WASTE %	11.7	11.8	12.0	11.9	10.5	9.8	11.6	12.4	12.5	11.4
STRG cm	30.3	30.3	31.1	30.2	29.1	27.2	29.8	30.4	31.3	29.2
AVG STRG	30.34±0.67									

DATE: 05-08-86
 DAY: 858
 PROBE: 6031 STANDARD COUNTS: 8423

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.3	0.2	0.1	0.9	0.0	0.9	1.1	1.2	0.0	0.0
30.0	5.9	5.3	5.9	5.5	5.5	6.2	5.6	6.1	5.5	4.6
45.0	8.4	8.6	8.2	7.8	7.7	7.5	8.0	8.0	7.7	8.4
60.0	9.8	9.5	10.1	9.3	9.1	8.9	8.9	8.9	8.9	9.3
75.0	10.5	9.4	10.4	9.0	8.7	8.8	9.4	8.8	9.9	9.3
90.0	10.0	9.7	10.5	10.3	10.1	8.9	9.7	9.6	10.3	9.3
105.0	9.6	9.8	11.1	10.1	9.9	8.8	10.2	9.3	10.4	9.7
120.0	9.4	10.0	10.4	10.3	9.9	8.7	10.2	9.3	10.2	9.8
135.0	9.9	10.6	11.1	9.5	9.1	8.7	10.0	9.9	9.9	9.8
150.0	9.7	10.1	11.2	9.7	9.4	8.7	10.3	9.5	10.8	10.5
165.0	10.9	10.0	11.7	10.6	9.0	9.2	10.4	9.4	11.8	11.1
180.0	10.7	10.3	11.0	10.5	9.0	9.9	10.3	10.2	10.8	11.4
195.0	10.6	11.3	11.3	11.2	9.8	9.2	11.1	11.0	11.6	11.5
210.0	10.9	10.6	12.4	11.4	10.4	9.9	10.8	11.5	11.5	11.3
225.0	11.3	11.2	12.2	11.9	10.7	10.0	11.4	11.2	11.4	11.2
240.0	11.5	12.3	12.2	11.8	10.8	10.6	11.4	11.8	11.9	12.0
255.0	12.3	12.7	12.3	13.0	10.7	10.6	11.6	11.6	13.0	14.0
270.0	14.1	14.1	13.8	15.0	12.6	13.2	12.7	13.5	12.7	13.8
AVG %	10.1	10.1	10.7	10.1	9.4	9.0	10.0	9.8	10.4	10.2
WASTE %	11.0	11.1	11.8	11.4	10.1	9.9	11.0	11.1	11.5	11.5
STRG cm	27.8	27.8	29.6	27.9	25.8	24.8	27.4	26.9	28.5	28.1
AVG STRG	27.98±0.81									

DATE: 05-23-86
 DAY: 873
 PROBE: 6031 STANDARD COUNTS: 8392

DEPTH (cm)	1	2	% VOL		WATER CONTENT		(cm/m)			
			3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.3	0.2	0.2	0.0	0.7	1.2	1.0	0.0	0.0
30.0	5.1	5.8	5.3	5.7	5.1	5.7	5.8	6.0	5.4	5.2
45.0	7.5	8.2	8.7	7.4	7.1	7.5	8.0	7.8	7.3	7.9
60.0	10.3	9.2	9.8	9.2	8.3	8.2	9.2	8.6	9.1	9.0
75.0	9.8	9.6	9.8	8.9	8.7	8.5	9.3	9.2	10.1	8.8
90.0	9.3	9.2	10.2	9.5	9.8	8.9	9.7	9.5	9.9	9.3
105.0	9.0	9.4	10.5	9.5	10.4	8.5	9.3	9.3	10.4	9.0
120.0	9.2	9.6	10.4	9.4	9.4	8.4	10.3	9.6	10.2	9.5
135.0	8.9	9.4	10.4	9.4	8.6	8.6	10.0	8.7	9.9	10.0
150.0	9.7	9.7	11.2	9.5	8.9	9.2	9.7	9.3	10.5	10.5
165.0	9.9	10.3	11.4	10.4	9.3	8.9	9.9	9.9	11.1	10.8
180.0	10.3	11.1	10.6	10.3	9.5	8.9	10.3	9.4	11.4	10.8
195.0	10.0	10.9	11.1	10.8	10.4	9.9	11.2	10.6	11.8	11.5
210.0	10.3	10.7	11.5	10.6	10.5	10.4	11.6	11.1	11.9	10.9
225.0	10.5	10.6	11.6	11.0	10.4	10.1	11.1	11.8	11.9	11.3
240.0	11.2	11.5	11.7	11.1	10.5	9.6	11.2	11.6	12.3	11.4
255.0	11.7	12.5	13.7	12.4	11.8	10.8	12.1	11.9	12.7	13.1
270.0	13.5	13.6	14.5	15.0	12.9	12.7	12.9	13.6	13.3	14.7
AVG %	9.5	9.8	10.5	9.7	9.3	8.9	9.9	9.6	10.4	9.9
WASTE %	10.5	11.0	11.3	10.8	10.3	9.8	11.1	10.9	11.9	11.2
STRG cm	26.3	27.1	28.9	26.7	25.6	24.4	27.3	26.5	28.5	27.3
AVG STRG	27.33±0.93									

DATE: 06-09-86
 DAY: 890
 PROBE: 6031 STANDARD COUNTS: 8510

DEPTH (cm)	1	2	% VOL		WATER CONTENT		(cm/m)			
			3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	4.2	5.2	4.8	4.7	4.7	5.0	4.7	5.4	4.0	4.5
45.0	7.9	8.3	7.6	7.2	7.4	6.9	7.1	6.9	7.2	7.7
60.0	9.0	9.2	8.9	8.6	8.7	7.4	8.2	8.1	8.3	9.2
75.0	8.8	9.1	9.5	9.2	8.2	7.8	9.2	8.8	8.9	9.5
90.0	8.7	8.9	10.1	9.4	9.6	8.6	9.4	8.8	9.3	8.8
105.0	8.5	8.5	10.2	8.9	10.5	8.2	8.6	8.6	9.7	9.0
120.0	8.6	9.4	9.9	9.9	9.0	7.6	9.0	9.4	9.7	9.5
135.0	8.7	9.5	10.6	9.1	8.5	7.8	8.9	8.7	9.8	9.1
150.0	9.0	9.8	10.1	9.4	8.8	8.3	9.3	9.4	10.1	9.4
165.0	9.6	10.0	9.8	9.5	8.2	8.3	9.6	9.1	10.7	9.6
180.0	9.6	9.8	10.5	10.2	8.7	8.4	9.9	9.0	10.4	9.8
195.0	10.0	10.1	10.7	10.2	9.8	8.6	10.7	9.7	10.8	9.9
210.0	9.8	11.0	10.8	10.7	9.9	9.8	10.5	11.0	11.7	9.4
225.0	10.5	10.5	11.2	10.6	10.7	9.8	10.0	10.9	10.7	9.8
240.0	9.9	11.0	11.7	11.1	10.6	10.0	9.8	11.2	11.1	10.1
255.0	12.2	11.6	11.7	11.9	10.9	10.4	11.4	10.9	11.9	11.2
270.0	14.5	12.8	13.3	14.4	12.5	12.0	12.1	13.2	13.2	12.6
AVG %	9.1	9.5	9.9	9.4	9.0	8.3	9.1	9.1	9.6	9.2
WASTE %	10.0	10.5	11.0	10.6	10.0	9.3	10.2	10.4	10.9	9.8
STRG cm	25.0	26.1	27.2	25.9	24.8	22.9	25.2	25.1	26.5	25.2
AVG STRG	25.77±0.80									

DATE: 06-26-86
 DAY: 907
 PROBE: 6031 STANDARD COUNTS: 8529

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	4.2	4.4	3.9	4.0	3.9	4.1	3.9	4.9	3.2	3.9
45.0	6.8	7.3	7.0	6.5	6.5	6.4	7.1	6.8	6.5	6.5
60.0	9.0	8.4	8.2	8.5	7.4	6.6	8.4	8.4	7.9	9.3
75.0	9.1	8.4	8.7	8.5	7.4	7.5	8.9	8.2	8.6	9.0
90.0	8.3	9.6	8.9	9.2	8.3	7.8	9.2	8.8	9.0	8.8
105.0	8.5	9.1	9.6	9.3	8.2	7.7	9.3	8.3	9.2	8.5
120.0	8.7	9.3	9.7	9.2	8.3	7.6	9.3	9.0	9.2	9.1
135.0	8.8	9.0	9.7	8.8	8.4	7.6	9.3	8.5	9.0	8.8
150.0	8.7	9.4	9.6	9.1	8.5	8.6	9.0	8.7	9.5	9.2
165.0	9.7	9.2	10.5	9.7	8.3	8.1	9.6	9.2	10.7	9.4
180.0	9.5	10.0	9.8	9.7	8.5	8.2	9.6	8.9	10.3	9.9
195.0	9.4	10.0	10.0	9.7	9.4	9.0	9.6	10.0	10.8	9.2
210.0	9.9	10.0	10.5	10.0	10.1	9.3	10.3	10.5	10.8	9.5
225.0	9.7	10.4	10.7	10.1	9.7	9.4	10.5	10.0	10.8	9.7
240.0	10.2	10.6	11.6	10.7	10.1	9.6	10.2	10.7	10.7	10.1
255.0	11.2	11.3	11.3	11.5	10.6	10.7	10.4	10.8	11.8	11.4
270.0	13.3	12.7	12.8	14.1	12.2	11.9	11.9	13.6	12.5	12.4
AVG %	8.9	9.1	9.4	9.0	8.3	8.0	9.0	8.9	9.3	8.9
WASTE %	9.7	10.2	10.5	10.0	9.5	9.1	10.0	10.0	10.7	9.7
STRG cm	24.4	25.2	25.7	24.9	23.0	22.1	24.9	24.4	25.5	24.5
AVG STRG	24.43±1.13									

DATE: 07-11-86
 DAY: 922
 PROBE: 6031 STANDARD COUNTS: 8720

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.5	4.3	3.6	4.8	4.4	5.2	4.0	4.1	3.3	4.0
45.0	6.0	6.4	6.2	6.5	6.1	6.4	6.2	5.8	6.4	6.3
60.0	7.9	8.1	8.0	8.3	6.7	7.4	7.9	7.6	7.6	6.9
75.0	7.9	8.0	8.2	8.1	7.2	7.6	8.0	8.0	8.2	7.4
90.0	7.9	8.2	8.5	8.3	8.1	7.5	7.8	7.7	8.4	7.5
105.0	7.7	8.7	9.3	8.3	8.1	6.8	8.4	8.0	8.0	8.1
120.0	8.1	7.9	9.5	9.2	7.7	8.2	8.7	7.8	8.4	8.0
135.0	7.8	8.4	9.5	9.0	7.5	8.0	9.2	8.8	7.3	8.5
150.0	8.0	8.9	9.2	9.0	7.4	9.1	8.7	8.6	9.0	9.1
165.0	8.8	9.1	9.4	9.2	8.1	8.1	9.1	8.4	9.8	8.4
180.0	9.4	9.1	9.5	9.9	8.0	8.7	9.2	9.0	9.4	8.8
195.0	9.5	8.9	9.6	9.3	8.8	9.3	9.4	9.6	10.0	8.8
210.0	9.0	9.3	10.0	10.0	9.2	9.4	9.7	10.3	10.3	9.0
225.0	8.8	9.6	10.1	10.5	9.7	9.8	10.0	9.7	10.1	8.6
240.0	8.7	10.0	9.6	10.3	10.0	10.4	8.8	10.3	10.6	9.2
255.0	9.8	10.5	10.4	12.0	9.6	10.8	10.5	10.7	11.4	10.3
270.0	13.0	12.3	12.8	15.0	11.6	12.5	12.0	13.1	11.9	12.6
AVG %	8.0	8.5	8.8	8.9	7.9	8.3	8.5	8.4	8.6	8.1
WASTE %	9.1	9.4	9.8	10.0	9.1	9.5	9.4	9.8	10.1	8.9
STRG cm	22.1	23.3	24.2	24.5	21.8	22.8	23.3	23.1	23.7	22.2
AVG STRG	23.11±0.91									

DATE: 07-28-86
DAY: 939
PROBE: 6031 STANDARD COUNTS: 8720

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.2	3.9	3.5	3.3	3.4	4.6	4.2	4.2	3.0	3.4
45.0	6.7	6.2	6.9	5.8	5.6	6.5	5.7	6.1	6.1	6.9
60.0	7.7	7.6	8.2	7.4	6.5	6.8	7.5	6.9	7.8	7.8
75.0	8.6	8.2	7.9	7.7	6.0	7.4	7.6	7.6	8.2	7.6
90.0	7.3	8.5	8.7	8.2	7.2	7.3	8.1	7.5	8.2	7.5
105.0	7.4	8.1	9.3	8.3	7.5	7.6	8.5	7.8	8.4	8.1
120.0	7.9	8.0	9.3	8.6	7.1	6.9	8.6	7.9	8.3	8.7
135.0	7.9	8.5	9.2	8.1	7.6	7.7	8.3	8.2	7.6	8.7
150.0	8.4	8.2	9.9	8.7	7.0	7.7	8.4	8.4	8.8	9.4
165.0	8.9	8.5	9.9	9.2	7.5	7.9	8.5	8.1	9.3	8.7
180.0	9.4	8.6	9.7	9.1	7.8	8.2	8.7	9.0	9.7	9.1
195.0	8.8	9.1	9.8	9.2	8.6	8.4	9.3	8.5	10.4	9.9
210.0	8.8	8.8	10.6	9.7	8.4	9.4	9.7	9.5	9.9	9.8
225.0	8.9	9.3	10.0	9.9	9.5	9.1	10.0	9.8	9.6	8.6
240.0	9.6	9.9	10.4	10.4	9.0	9.1	9.5	10.0	10.1	9.1
255.0	10.3	10.3	11.2	10.6	10.0	10.2	10.5	10.3	11.2	11.2
270.0	13.1	12.1	12.8	14.1	11.6	11.4	11.6	12.6	11.5	12.8
AVG %	8.1	8.2	9.0	8.4	7.4	7.8	8.3	8.1	8.5	8.4
WASTE %	9.1	9.1	10.1	9.7	8.6	8.8	9.4	9.4	9.9	9.3
STRG cm	22.3	22.7	24.8	23.1	20.4	21.4	22.9	22.3	23.5	23.2
AVG STRG	22.66±1.18									

DATE: 08-07-86
DAY: 949
PROBE: 6031 STANDARD COUNTS: 8621

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.3	4.2	3.6	3.8	3.2	4.4	4.2	3.8	2.4	3.4
45.0	6.0	6.5	6.7	6.2	5.9	6.3	6.1	6.3	6.2	6.4
60.0	7.3	7.7	7.4	7.4	6.2	6.6	7.7	6.7	7.2	7.6
75.0	7.5	8.1	8.3	8.0	6.4	6.5	7.9	7.5	7.8	7.9
90.0	7.8	8.8	8.5	8.4	6.6	7.3	8.2	7.6	8.2	8.1
105.0	7.3	8.0	9.2	8.4	7.8	7.3	8.7	7.8	8.6	8.1
120.0	7.9	8.6	9.5	8.5	7.0	7.0	8.8	8.3	8.2	8.1
135.0	7.2	8.9	9.1	8.5	7.2	7.5	8.3	8.2	8.7	8.2
150.0	8.0	9.3	9.4	9.0	7.4	8.1	9.3	8.6	8.8	9.2
165.0	8.9	8.7	9.8	9.0	7.6	8.2	8.8	8.9	9.4	9.4
180.0	9.1	9.6	9.7	8.9	7.6	8.4	8.6	8.7	9.1	8.4
195.0	9.2	9.3	9.8	9.5	8.8	8.5	8.9	8.9	10.2	9.5
210.0	9.3	9.3	10.3	9.3	8.7	9.1	9.6	9.5	10.3	9.7
225.0	9.3	9.6	10.2	9.3	9.1	9.6	9.2	9.6	9.8	8.8
240.0	9.2	9.0	10.5	9.6	9.2	9.5	8.9	10.3	10.2	9.5
255.0	10.7	10.7	10.7	10.9	10.3	10.1	10.1	10.9	11.4	10.8
270.0	12.8	12.9	12.7	13.4	11.7	12.2	11.8	12.5	12.0	13.4
AVG %	8.0	8.5	8.9	8.4	7.4	7.8	8.3	8.2	8.5	8.3
WASTE %	9.2	9.4	10.1	9.3	8.7	9.0	9.1	9.4	9.9	9.2
STRG cm	22.0	23.5	24.6	23.1	20.5	21.4	22.9	22.7	23.5	22.9
AVG STRG	22.70±1.16									

DATE: 08-22-86
 DAY: 964
 PROBE: 6031 STANDARD COUNTS: 8622

	DEPTH						% VOL WATER CONTENT (cm/m)			
(cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	2.4	2.7	2.3	2.9	2.3	3.1	0.0	2.7	2.3	2.7
45.0	4.7	6.6	5.6	5.4	5.6	5.2	3.0	5.1	5.5	6.2
60.0	5.8	7.5	5.9	6.8	6.1	5.7	5.3	6.2	7.2	7.1
75.0	6.1	7.3	6.1	7.4	6.6	6.8	7.4	7.0	7.8	7.4
90.0	6.0	8.2	6.5	8.1	6.8	6.7	7.8	6.8	8.3	7.1
105.0	5.7	8.8	7.7	8.5	7.5	6.9	7.3	7.6	8.7	8.3
120.0	6.4	7.9	7.6	8.6	6.7	7.0	8.8	8.1	8.0	7.3
135.0	6.2	8.3	7.9	8.6	7.3	7.6	8.5	7.3	7.9	8.2
150.0	6.3	9.0	8.1	9.1	7.3	8.1	8.1	7.8	8.7	8.3
165.0	7.2	9.3	9.1	9.9	7.1	7.1	9.1	8.1	9.4	8.9
180.0	7.5	8.4	8.7	9.3	7.5	8.2	9.2	8.2	9.3	8.7
195.0	7.3	9.1	9.1	10.0	8.3	8.5	8.8	9.2	10.1	8.7
210.0	7.9	9.5	9.2	9.4	8.7	8.9	9.0	9.2	10.2	8.7
225.0	8.4	8.6	9.3	9.4	9.8	8.7	9.5	9.4	9.8	8.7
240.0	8.5	9.8	9.5	9.9	10.2	9.3	9.5	9.3	9.7	8.8
255.0	10.0	10.4	10.1	11.0	10.1	10.3	8.6	9.7	10.9	9.8
270.0	12.0	12.2	13.7	14.8	11.8	12.0	10.0	12.9	11.6	11.7
AVG %	6.7	8.2	7.7	8.4	7.4	7.4	7.5	7.6	8.4	7.8
WASTE %	7.9	9.1	9.1	9.6	8.9	8.7	9.2	9.1	9.8	8.7
STRG cm	18.3	22.6	21.1	23.1	20.3	20.3	20.6	20.9	23.0	21.5
AVG STRG	21.16±1.46									

DATE: 09-05-86
 DAY: 978
 PROBE: 6031 STANDARD COUNTS: 8612

	DEPTH						% VOL WATER CONTENT (cm/m)			
(cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	2.2	3.1	2.5	2.8	2.8	3.1	2.3	3.0	1.9	2.8
45.0	4.2	5.9	5.0	5.5	5.2	4.5	5.9	5.3	5.7	6.0
60.0	6.1	7.1	5.7	6.6	6.0	6.0	6.8	6.7	7.1	7.1
75.0	6.0	7.1	6.0	7.3	6.3	5.9	7.8	6.3	7.4	7.0
90.0	5.3	7.8	5.8	7.6	6.3	6.4	7.8	6.9	8.0	7.0
105.0	5.4	7.7	6.2	7.6	7.4	6.8	8.5	6.7	8.1	7.1
120.0	5.2	8.1	6.8	8.3	6.6	6.3	8.2	7.5	7.9	8.0
135.0	5.8	8.2	6.9	8.0	7.4	7.2	7.9	7.6	8.4	7.6
150.0	5.5	8.4	7.6	8.4	7.0	7.4	8.5	7.8	8.8	8.8
165.0	6.4	8.3	7.3	9.2	7.2	7.7	7.9	7.7	8.5	8.6
180.0	6.3	8.1	7.3	8.6	7.9	7.6	8.7	8.0	8.8	8.0
195.0	6.4	8.8	7.1	9.1	7.9	7.4	9.1	8.8	9.1	8.6
210.0	6.8	10.0	7.7	9.1	9.1	9.1	9.0	9.6	9.9	8.3
225.0	7.4	9.4	7.6	9.0	8.6	8.2	9.1	9.9	10.0	8.6
240.0	7.5	9.5	7.7	9.2	8.7	9.5	9.0	9.9	9.7	9.2
255.0	9.2	10.5	9.3	10.2	9.9	9.8	10.0	9.9	10.5	10.4
270.0	12.0	13.2	11.9	13.3	11.7	12.3	11.6	12.7	11.9	12.2
AVG %	6.0	8.0	6.7	7.9	7.1	7.1	7.9	7.6	8.1	7.7
WASTE %	6.9	9.2	7.5	9.0	8.4	8.4	9.0	9.2	9.5	8.5
STRG cm	16.5	22.0	18.3	21.8	19.7	19.4	21.8	20.9	22.3	21.2
AVG STRG	20.38±1.90									

DATE: 09-19-86
 DAY: 992
 PROBE: 6031 STANDARD COUNTS: 8284

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.2	0.0	0.0	0.8	0.4	0.0	0.0
30.0	3.5	4.7	3.0	5.0	4.1	4.6	4.6	4.3	4.2	4.5
45.0	5.1	6.8	5.4	6.5	6.1	6.0	6.2	5.9	6.3	6.7
60.0	6.4	7.8	6.2	6.8	6.2	6.9	6.8	6.9	7.1	7.3
75.0	6.1	7.9	6.1	7.8	6.6	7.2	7.2	7.2	8.0	7.7
90.0	6.2	8.0	6.6	8.3	7.4	6.9	7.7	7.2	8.2	8.1
105.0	5.7	8.8	6.9	9.2	7.2	7.0	8.8	8.2	8.4	8.0
120.0	5.8	8.5	7.6	8.7	7.6	7.5	9.4	8.1	8.8	8.2
135.0	5.7	9.1	7.4	8.5	7.4	8.4	8.7	7.9	8.7	8.9
150.0	6.5	9.2	7.7	8.8	7.4	8.8	8.8	8.3	9.3	9.3
165.0	7.3	9.7	8.0	9.9	8.3	8.7	9.1	8.2	10.3	9.6
180.0	7.2	9.2	8.3	9.5	7.9	8.5	8.9	9.0	9.7	8.8
195.0	7.4	10.1	8.5	9.8	8.6	8.8	9.0	9.6	9.6	9.9
210.0	8.2	10.0	8.8	10.0	9.6	10.1	10.1	9.8	10.6	9.3
225.0	7.6	9.6	8.6	10.1	10.0	10.0	9.2	9.8	10.2	9.1
240.0	8.3	10.7	8.4	10.0	9.7	10.3	10.2	14.5	10.8	9.5
255.0	9.3	11.4	9.4	11.0	10.9	11.7	10.0	11.0	11.9	11.3
270.0	13.1	13.1	13.4	14.7	12.5	13.0	12.5	13.1	12.3	22.3
AVG %	6.6	8.8	7.3	8.8	7.8	8.2	8.4	8.5	8.9	8.5
WASTE %	7.7	9.9	8.5	9.9	9.2	9.5	9.5	10.5	10.2	9.3
STRG cm	18.3	24.4	20.1	24.1	21.5	22.6	23.2	23.4	24.4	23.4
AVG STRG	22.53±2.01									

DATE: 10-03-86
 DAY: 1006
 PROBE: 6031 STANDARD COUNTS: 8655

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.6	0.3	0.0	0.3	0.5	1.2	1.5	0.9	0.0	0.0
30.0	4.5	5.4	3.7	5.3	4.9	5.4	5.4	4.7	4.7	4.3
45.0	5.6	6.1	5.4	5.5	6.2	5.6	6.0	5.3	6.2	6.6
60.0	5.9	7.1	5.7	6.4	6.1	5.6	6.5	5.7	7.1	6.5
75.0	6.0	7.2	6.4	6.8	6.7	6.4	6.9	6.7	7.7	6.9
90.0	5.0	6.8	6.1	7.4	6.6	6.4	7.6	6.8	8.1	7.3
105.0	5.3	7.8	6.8	7.2	6.5	6.4	8.5	6.8	8.0	7.9
120.0	5.4	7.4	7.0	7.9	6.8	6.3	8.5	7.4	8.2	7.1
135.0	5.9	7.9	6.6	7.8	6.5	7.2	8.5	7.3	7.2	8.2
150.0	5.7	8.1	7.2	8.3	7.0	7.7	8.7	7.9	8.4	8.3
165.0	6.0	8.7	7.5	8.7	6.3	7.3	8.9	7.4	8.9	9.0
180.0	6.3	8.2	7.3	8.7	7.3	7.4	9.2	7.3	9.0	8.1
195.0	6.4	8.8	7.9	8.5	7.7	7.6	9.4	8.6	9.2	8.6
210.0	6.5	9.0	7.4	8.8	8.4	8.6	9.6	9.6	9.5	9.1
225.0	6.8	9.4	8.0	8.9	8.4	8.3	9.2	9.0	9.5	8.4
240.0	7.0	9.3	7.7	8.9	8.8	9.4	9.1	9.3	9.5	8.8
255.0	9.0	10.5	8.8	10.4	9.7	9.4	10.1	9.9	11.0	10.6
270.0	10.9	12.4	11.9	13.5	10.7	12.6	11.3	12.0	11.7	12.5
AVG %	6.1	8.0	6.8	7.9	7.1	7.2	8.3	7.5	8.3	7.9
WASTE %	6.6	8.9	7.6	8.8	8.1	8.3	9.3	8.8	9.3	8.6
STRG cm	16.7	22.0	18.8	21.6	19.6	19.8	22.7	20.6	22.7	21.6
AVG STRG	20.62±1.91									

DATE: 10-21-86
 DAY: 1024
 PROBE: 6031 STANDARD COUNTS: 8811

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	2.9	4.0	3.6	3.7	3.4	3.8	3.3	4.0	2.7	3.3
45.0	4.7	6.3	5.0	5.7	4.9	5.8	4.5	5.8	5.4	5.4
60.0	5.4	7.0	5.8	5.8	5.9	6.1	6.1	6.2	6.3	6.4
75.0	6.2	6.1	6.4	6.7	5.5	6.0	6.2	5.9	6.3	5.9
90.0	5.2	6.8	5.6	6.9	5.9	6.6	6.4	6.1	6.8	6.6
105.0	4.8	7.0	6.0	7.1	6.0	5.6	7.1	6.5	7.2	6.7
120.0	5.1	7.9	6.9	7.4	5.8	5.8	7.4	6.9	7.1	6.5
135.0	5.6	7.4	7.2	7.6	5.8	7.0	7.3	7.4	6.6	7.0
150.0	5.6	7.7	7.5	7.5	6.4	7.1	7.8	7.4	7.8	7.6
165.0	6.4	7.9	7.9	8.3	6.6	7.2	8.2	7.4	8.6	8.0
180.0	6.5	7.9	7.6	8.2	6.4	6.7	7.9	7.1	8.3	7.6
195.0	6.4	8.2	7.7	8.6	7.5	8.1	8.1	8.3	9.0	7.7
210.0	6.4	9.0	8.3	9.2	7.5	7.9	8.2	8.2	9.2	7.9
225.0	6.5	8.1	8.2	8.6	8.0	7.8	8.1	8.1	9.2	8.0
240.0	6.4	8.2	8.0	8.6	7.9	8.8	8.1	8.5	9.3	7.7
255.0	8.7	9.7	8.7	9.6	8.8	9.1	9.1	9.4	9.9	9.9
270.0	11.0	11.5	12.1	14.2	11.1	10.6	10.8	11.6	11.6	11.7
AVG %	5.8	7.4	6.9	7.5	6.4	6.9	7.1	7.1	7.5	7.0
WASTE %	6.5	8.3	8.0	8.6	7.5	7.9	8.1	8.0	9.0	7.8
STRG cm	16.0	20.5	19.0	20.5	17.6	18.9	19.6	19.5	20.6	19.3
AVG STRG	19.13±1.44									

DATE: 10-31-86
 DAY: 1034
 PROBE: 6031 STANDARD COUNTS: 8700

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.6	3.5	2.4	3.2	0.7	2.2	3.1	3.2	1.2	1.2
30.0	5.5	6.8	5.9	5.2	5.1	5.2	5.3	5.8	5.2	5.6
45.0	5.4	6.6	6.0	6.1	5.9	5.6	6.3	6.6	6.0	6.1
60.0	5.8	7.1	6.0	6.7	5.7	5.7	6.8	6.4	5.9	6.6
75.0	5.9	7.6	5.8	6.7	5.6	6.0	6.7	6.2	6.9	6.8
90.0	5.3	6.6	5.9	7.3	5.4	6.6	7.1	6.9	6.8	6.7
105.0	5.1	7.3	6.4	7.6	6.2	5.8	7.9	6.8	7.4	7.6
120.0	5.1	7.7	7.0	8.4	5.9	5.7	7.6	7.5	7.4	6.8
135.0	5.1	7.4	6.6	7.7	6.0	6.9	7.9	7.2	6.9	7.0
150.0	6.0	7.7	6.6	8.3	6.4	6.9	8.6	7.0	8.1	8.2
165.0	6.7	8.4	7.1	9.1	6.0	6.6	8.6	7.5	8.6	7.7
180.0	6.7	7.8	7.3	9.5	6.9	6.8	8.2	7.4	8.9	8.1
195.0	7.0	8.4	7.2	8.6	7.8	7.3	8.0	8.0	8.8	8.3
210.0	6.4	9.1	7.7	9.7	8.4	8.2	8.1	8.6	9.2	8.1
225.0	7.0	8.4	7.8	9.1	8.4	8.1	8.5	8.4	8.8	8.1
240.0	6.7	9.2	7.6	9.7	9.1	8.4	9.1	9.4	9.5	8.2
255.0	9.0	10.1	8.8	10.4	9.8	9.2	9.0	9.0	9.9	10.3
270.0	11.5	12.7	10.8	13.9	11.4	11.1	11.3	11.6	11.1	11.5
AVG %	6.2	7.9	6.9	8.1	6.8	6.8	7.7	7.4	7.8	7.5
WASTE %	6.7	8.6	7.5	9.3	8.1	7.8	8.4	8.4	9.0	8.2
STRG cm	17.0	21.7	18.9	22.4	18.7	18.8	21.3	20.4	21.4	20.7
AVG STRG	20.12±1.71									

DATE: 11-17-86
 DAY: 1051
 PROBE: 6031 STANDARD COUNTS: 8831

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.1	0.1	0.0	0.0	0.0	0.1	0.3	0.0	0.0	0.0
30.0	4.2	5.2	4.4	4.6	4.5	4.9	4.9	1.0	4.2	3.5
45.0	5.5	6.4	5.5	5.7	5.5	5.6	5.5	4.4	5.8	5.9
60.0	5.9	6.5	6.0	5.8	2.6	6.2	6.4	5.8	6.6	5.8
75.0	5.4	6.4	5.6	6.4	5.6	5.4	5.6	5.8	6.8	5.9
90.0	5.2	6.5	5.4	6.4	5.6	5.5	6.4	6.4	6.8	5.8
105.0	5.3	6.9	5.6	6.8	5.8	5.2	7.2	5.6	7.1	6.6
120.0	4.9	7.2	6.4	7.3	6.3	6.1	7.1	5.8	6.9	6.5
135.0	4.8	7.8	6.8	7.0	6.3	7.0	7.2	7.1	7.1	6.9
150.0	5.5	8.2	7.0	7.1	6.4	6.9	7.8	6.5	7.9	7.6
165.0	6.6	7.9	7.4	7.8	6.3	6.6	7.5	7.2	8.4	7.6
180.0	6.4	7.7	7.2	7.9	6.5	7.0	7.9	6.9	8.6	7.8
195.0	6.5	7.6	8.1	8.4	7.5	7.4	7.3	7.4	8.8	7.4
210.0	6.4	8.1	8.3	8.1	7.6	7.5	7.8	7.7	9.1	7.2
225.0	6.6	7.8	8.2	8.4	8.0	8.0	8.0	8.0	8.4	7.3
240.0	7.1	8.3	8.1	8.4	7.4	8.0	7.8	8.8	9.1	8.0
255.0	8.1	9.7	9.0	10.1	8.6	9.8	8.7	9.1	10.2	9.4
270.0	13.9	11.3	11.2	13.7	10.7	11.5	10.3	8.9	11.5	10.6
AVG %	5.9	7.4	6.8	7.3	6.3	6.7	7.1	6.5	7.6	6.8
WASTE %	6.6	7.9	8.0	8.3	7.4	7.6	7.8	7.8	8.8	7.5
STRG cm	16.2	20.3	18.8	20.0	17.3	18.4	19.4	17.8	21.0	18.8
AVG STRG	18.81±1.45									

DATE: 12-01-86
 DAY: 1065
 PROBE: 6031 STANDARD COUNTS: 8646

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	2.9	3.3	2.8	2.8	2.6	2.5	3.2	4.3	2.6	1.9
30.0	7.1	7.8	7.2	7.1	7.0	6.5	7.0	7.7	7.7	6.7
45.0	6.5	7.8	6.7	6.7	7.1	6.8	7.2	7.3	7.8	7.2
60.0	6.4	7.2	6.2	6.3	6.5	6.0	7.1	6.7	7.2	6.7
75.0	7.0	6.9	6.0	6.4	6.2	6.5	6.5	6.8	6.8	6.4
90.0	5.5	6.4	6.5	7.0	6.3	6.7	7.1	6.7	7.3	6.9
105.0	4.8	7.3	6.8	6.6	6.9	5.9	7.0	7.0	7.2	6.9
120.0	5.5	7.1	7.0	7.4	6.2	6.0	7.3	7.1	7.4	7.3
135.0	5.1	7.8	6.8	7.2	6.0	6.6	7.2	7.5	7.6	7.4
150.0	5.4	7.5	6.8	7.7	6.5	7.1	7.7	6.7	8.6	7.9
165.0	6.1	8.1	7.7	8.5	6.2	6.7	8.2	7.4	8.6	7.7
180.0	5.7	8.0	7.9	8.1	6.7	6.9	7.7	7.9	9.3	8.5
195.0	5.7	7.8	7.8	8.1	6.8	7.5	7.8	8.7	9.1	8.8
210.0	6.7	8.7	7.9	8.0	7.8	8.0	8.4	8.5	9.5	8.2
225.0	7.1	7.7	8.0	8.2	7.9	8.3	8.1	8.9	9.5	8.1
240.0	6.9	8.7	7.8	8.7	7.9	8.9	8.1	9.3	9.1	8.1
255.0	8.8	10.0	8.3	10.0	9.2	9.9	8.5	9.2	10.4	10.1
270.0	11.5	12.5	11.3	12.7	10.7	11.3	11.2	11.4	11.2	12.1
AVG %	6.3	7.8	7.2	7.6	6.9	7.1	7.6	7.7	8.3	7.7
WASTE %	6.4	8.2	7.9	8.2	7.4	7.9	8.0	8.7	9.3	8.3
STRG cm	17.3	21.5	19.8	21.0	19.1	19.6	20.8	21.2	22.8	21.2
AVG STRG	20.43±1.54									

DATE: 12-29-86
 DAY: 1093
 PROBE: 6031 STANDARD COUNTS: 8641

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	3.4	3.5	3.1	4.4	2.2	3.5	3.4	4.5	1.8	2.3
30.0	8.5	9.1	8.7	9.9	9.1	8.9	9.0	9.6	8.4	9.0
45.0	10.5	10.6	9.8	10.0	11.1	9.8	10.2	10.7	10.3	10.6
60.0	9.7	9.4	8.4	8.5	11.0	9.0	10.2	10.0	10.6	9.0
75.0	7.6	8.1	7.0	7.3	8.2	7.8	7.5	7.9	8.8	8.1
90.0	6.5	7.2	5.8	6.7	7.4	7.3	7.3	7.3	7.6	6.5
105.0	5.8	7.6	6.6	7.0	6.8	5.9	6.9	7.3	7.5	6.9
120.0	5.5	7.4	7.0	7.1	6.2	6.1	7.1	7.0	6.8	7.1
135.0	5.4	7.8	7.1	7.2	6.5	6.4	7.5	6.4	7.3	7.0
150.0	5.8	8.0	6.6	7.5	6.1	6.8	7.9	6.7	7.8	8.3
165.0	6.4	7.8	8.2	7.8	6.7	6.6	8.1	7.4	8.7	8.1
180.0	6.4	8.0	8.5	8.3	6.5	6.4	8.2	7.7	8.2	8.0
195.0	6.5	8.6	7.8	7.3	6.9	6.9	7.8	8.1	8.9	7.9
210.0	6.1	8.4	8.3	8.4	7.5	8.2	8.0	8.2	8.9	8.2
225.0	6.7	8.5	7.4	8.4	7.3	8.1	8.0	7.8	8.7	8.3
240.0	6.8	8.8	7.9	8.5	7.8	8.6	7.1	8.4	9.1	8.1
255.0	8.7	9.6	8.6	10.4	8.5	9.6	8.3	9.6	10.4	10.3
270.0	11.7	12.4	12.1	12.4	10.6	11.5	10.8	11.5	11.2	12.0
AVG %	7.0	8.4	7.7	8.1	7.7	7.7	8.1	8.1	8.6	8.2
WASTE %	6.5	8.5	8.0	8.2	7.2	7.7	7.8	8.0	8.7	8.1
STRG cm	19.4	23.2	21.3	22.4	21.3	21.1	22.2	22.4	23.7	22.6
AVG STRG	21.96±1.24									

DATE: 01-12-87
 DAY: 1107
 PROBE: 6031 STANDARD COUNTS: 8867

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.6	2.2	2.3	2.3	0.4	2.0	2.7	2.5	0.4	0.9
30.0	6.4	7.6	7.7	7.3	6.6	7.4	7.4	8.1	7.2	6.9
45.0	9.1	9.7	10.0	9.8	9.0	9.7	8.6	9.3	9.7	9.9
60.0	10.2	9.8	11.1	9.9	10.5	9.8	9.5	10.3	10.1	10.1
75.0	9.9	9.6	10.1	9.4	11.0	9.9	9.4	9.9	10.5	9.6
90.0	8.3	8.6	8.2	8.0	10.8	10.3	8.7	8.5	9.2	9.0
105.0	6.4	7.6	6.9	7.2	10.0	8.0	7.8	8.1	9.0	8.1
120.0	6.3	7.0	7.3	7.0	7.4	7.1	7.6	7.2	7.7	6.8
135.0	6.0	7.4	6.7	6.7	6.2	6.9	6.9	7.4	8.1	6.8
150.0	5.9	6.8	7.2	7.4	5.4	6.5	7.5	6.9	7.9	7.4
165.0	6.8	6.8	7.6	7.9	5.7	6.5	7.6	7.2	8.5	7.5
180.0	6.4	7.0	7.2	8.0	5.7	6.2	7.4	6.4	8.4	7.6
195.0	6.6	7.6	7.5	7.6	6.5	6.6	7.2	7.6	8.4	7.8
210.0	6.5	7.2	7.8	8.0	6.9	7.3	8.0	7.8	8.8	7.3
225.0	6.3	7.7	7.5	8.6	7.4	7.8	7.6	8.3	8.4	7.0
240.0	7.2	8.3	8.0	8.3	7.6	8.2	7.1	8.2	8.5	8.2
255.0	9.2	9.3	8.8	9.6	7.9	8.7	8.3	8.7	9.8	9.3
270.0	11.8	10.3	10.5	14.1	9.5	10.8	10.3	11.1	11.4	11.2
AVG %	7.3	8.0	8.1	8.2	7.8	7.9	7.9	8.1	8.7	8.1
WASTE %	6.6	7.6	7.6	8.1	6.8	7.2	7.5	7.7	8.5	7.6
STRG cm	20.2	22.0	22.3	22.5	21.4	21.8	21.8	22.3	24.1	22.3
AVG STRG	22.07±0.96									

DATE: 01-30-87
 DAY: 1125
 PROBE: 6031 STANDARD COUNTS: 8800

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
			3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	3.3	3.6	9.9	4.4	2.8	4.1	3.8	4.4	2.1	2.3
30.0	9.3	9.4	10.8	10.1	10.3	9.8	9.0	10.2	8.5	8.9
45.0	10.8	11.1	11.4	11.1	10.8	10.4	11.2	11.0	11.4	11.1
60.0	11.4	11.8	10.3	11.7	10.9	9.5	11.6	11.2	12.4	11.6
75.0	10.9	9.6	10.1	10.4	10.5	9.1	10.5	10.4	11.5	10.6
90.0	9.2	9.4	9.2	9.0	11.0	9.2	9.9	9.4	10.8	9.6
105.0	8.2	8.8	7.9	7.7	10.4	8.2	9.1	8.8	9.6	8.9
120.0	7.3	7.2	7.2	7.2	10.3	7.6	9.0	7.6	8.9	8.0
135.0	6.7	7.6	7.4	7.0	8.5	8.5	7.9	7.3	7.5	7.2
150.0	6.6	7.5	7.5	7.1	7.9	8.7	7.5	7.5	8.4	7.1
165.0	6.5	7.0	7.4	7.7	6.4	8.0	7.8	7.3	8.7	6.8
180.0	7.0	6.8	7.7	7.7	6.4	6.6	7.8	7.3	9.2	6.9
195.0	7.1	7.7	8.4	8.2	6.6	6.6	7.5	8.2	9.2	7.3
210.0	6.9	7.6	8.2	7.6	7.2	7.4	7.3	8.4	9.0	7.3
225.0	7.4	7.4	8.0	8.1	7.1	7.2	7.4	8.5	9.3	6.9
240.0	7.1	8.1	8.4	8.0	7.5	7.9	7.3	8.7	9.6	7.8
255.0	9.3	9.3	8.2	9.6	8.8	8.9	7.7	9.4	10.0	9.3
270.0	12.1	11.4	10.8	13.3	10.2	10.7	10.7	11.7	10.7	10.9
AVG %	8.2	8.5	8.6	8.6	8.8	8.4	8.7	8.8	9.6	8.5
WASTE %	7.1	7.5	8.1	7.9	6.9	7.1	7.5	8.2	9.3	7.2
STRG cm	22.7	23.4	23.7	23.8	24.2	23.0	23.9	24.3	26.5	23.3
AVG STRG	23.88±1.06									

DATE: 02-13-87
 DAY: 1139
 PROBE: 6031 STANDARD COUNTS: 8643

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
			3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	3.3	3.0	3.6	3.0	1.8	1.9	4.0	3.5	2.1	1.9
30.0	7.6	7.6	7.5	7.8	7.3	7.5	7.8	8.4	7.6	7.7
45.0	8.6	9.5	9.6	9.5	9.6	10.0	9.1	9.7	10.3	9.9
60.0	10.9	10.8	10.8	10.4	10.4	9.4	10.6	10.0	10.6	10.5
75.0	10.6	10.7	10.6	10.4	10.3	10.6	10.8	10.8	11.3	10.4
90.0	10.3	10.5	10.9	10.1	12.1	10.0	11.3	10.5	11.0	10.5
105.0	10.6	10.2	11.6	9.7	12.3	9.3	11.4	10.0	11.6	10.7
120.0	10.1	9.7	11.2	9.0	11.9	8.8	10.8	10.2	11.6	10.6
135.0	9.2	9.7	10.1	8.8	11.7	9.1	10.5	8.8	11.4	10.3
150.0	8.1	8.6	9.5	8.4	11.0	9.6	10.5	8.4	10.6	10.2
165.0	7.7	8.5	8.2	8.3	9.5	8.9	9.6	8.2	10.6	9.3
180.0	7.1	8.2	8.0	8.2	8.8	7.9	8.6	8.7	9.2	7.9
195.0	7.0	8.8	8.3	8.5	8.4	8.3	9.0	8.8	9.7	8.3
210.0	7.1	8.7	8.1	8.7	8.3	7.7	8.5	9.2	10.0	7.9
225.0	7.4	9.0	8.1	8.2	8.1	8.3	8.4	9.2	10.2	8.0
240.0	7.3	8.4	7.8	7.9	8.1	8.1	8.1	8.9	9.8	8.2
255.0	9.6	9.4	8.9	9.4	8.9	9.1	9.8	9.3	10.7	9.5
270.0	12.0	11.6	10.9	12.6	10.6	10.6	11.2	12.2	11.6	11.1
AVG %	8.7	9.3	9.3	9.0	9.8	8.9	9.7	9.3	10.4	9.4
WASTE %	7.2	8.6	8.1	8.3	8.3	8.1	8.6	8.9	9.8	8.1
STRG cm	23.9	25.5	25.7	24.7	26.9	24.5	26.7	25.6	28.6	25.8
AVG STRG	25.79±1.35									

DATE: 03-10-87
 DAY: 1164
 PROBE: 6031 STANDARD COUNTS: 8772

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.2	1.3	1.4	1.6	1.1	1.3	1.7	2.9	0.3	0.1
30.0	5.9	6.4	6.3	7.1	6.2	5.9	6.4	7.2	6.0	5.9
45.0	8.0	8.8	8.5	8.6	7.9	7.7	8.6	9.0	8.0	8.3
60.0	9.2	9.7	9.2	8.8	9.1	8.6	9.4	9.2	9.2	9.0
75.0	9.4	9.2	9.5	9.9	9.1	8.0	9.3	9.2	10.1	9.4
90.0	9.3	9.5	9.9	9.6	10.0	9.1	9.3	9.9	10.2	8.9
105.0	9.1	9.4	10.5	10.4	11.1	8.8	9.7	9.3	10.4	8.8
120.0	9.1	9.5	9.9	9.5	10.1	8.1	9.4	9.3	10.6	9.3
135.0	8.8	9.7	10.7	8.9	9.0	8.6	10.4	8.9	9.6	9.5
150.0	8.6	9.8	10.6	8.9	9.4	8.8	9.6	9.3	10.7	9.6
165.0	8.5	8.3	10.5	9.3	9.0	8.9	10.2	9.1	11.0	9.8
180.0	8.8	8.6	9.3	9.3	9.9	8.9	9.8	8.6	10.3	9.5
195.0	7.9	9.2	8.2	8.6	9.8	8.3	9.7	8.9	11.2	9.8
210.0	8.1	7.9	8.3	9.3	9.1	8.3	9.9	8.5	10.0	9.6
225.0	7.7	8.3	8.5	8.7	9.4	8.7	9.8	9.0	9.2	8.0
240.0	7.7	8.3	8.3	8.4	9.4	8.8	9.4	8.6	10.1	7.6
255.0	9.1	9.8	9.8	9.7	9.5	9.4	8.9	9.5	10.7	9.0
270.0	12.3	12.3	11.9	13.0	11.5	12.4	10.9	12.5	11.6	11.1
AVG %	8.4	8.9	9.3	9.1	9.2	8.4	9.4	9.0	9.8	8.9
WASTE %	8.0	8.4	8.5	8.9	9.5	8.6	9.7	8.7	10.2	8.9
STRG cm	23.2	24.5	25.5	24.9	25.4	23.2	25.8	24.7	27.1	24.4
AVG STRG	24.87±1.16									

DATE: 03-23-87
 DAY: 1177
 PROBE: 6031 STANDARD COUNTS: 8703

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	2.6	3.0	2.9	2.8	2.0	3.3	2.9	3.5	1.3	1.5
30.0	8.3	8.8	8.3	8.3	8.3	8.2	8.5	8.7	7.2	7.9
45.0	9.9	10.5	10.0	10.2	10.0	9.7	10.5	9.7	10.3	9.6
60.0	9.9	10.8	9.8	10.0	9.4	9.0	10.0	9.9	10.5	10.1
75.0	9.6	9.7	9.5	9.9	9.1	8.8	9.4	9.4	9.6	9.2
90.0	9.1	10.0	9.6	10.0	9.6	8.8	9.4	8.9	10.1	8.8
105.0	8.6	9.3	10.3	9.8	9.8	8.6	9.8	9.0	10.3	9.9
120.0	9.2	10.0	11.1	9.1	9.1	8.2	10.4	9.8	10.1	9.6
135.0	9.1	10.2	10.2	9.1	9.0	8.4	10.1	8.8	9.9	9.5
150.0	9.3	9.5	11.0	9.1	8.9	8.7	9.6	9.0	10.5	10.2
165.0	8.8	10.1	10.6	9.4	8.8	8.9	10.1	9.2	10.8	10.1
180.0	9.4	9.3	10.6	9.4	8.9	8.8	9.7	9.0	10.9	9.3
195.0	8.9	10.2	10.7	9.4	9.8	8.7	10.6	9.2	11.0	9.8
210.0	8.9	9.7	9.4	9.0	9.5	9.2	10.7	9.1	10.8	10.0
225.0	8.4	9.0	8.7	9.1	9.8	9.0	10.9	8.9	10.7	9.7
240.0	7.7	9.0	8.8	8.7	9.5	8.9	10.2	8.6	9.7	9.3
255.0	9.1	10.6	9.5	10.5	9.9	9.4	11.1	9.7	11.0	9.8
270.0	12.1	13.3	11.7	12.9	12.2	11.9	11.4	12.7	11.8	11.6
AVG %	9.0	9.8	9.9	9.4	9.3	8.8	10.1	9.2	10.2	9.6
WASTE %	8.7	9.5	9.6	9.1	9.5	8.9	10.4	8.9	10.7	9.6
STRG cm	24.8	27.0	27.2	26.0	25.7	24.3	27.7	25.3	28.1	26.3
AVG STRG	26.24±1.27									

DATE: 04-07-87
 DAY: 1192
 PROBE: 6031 STANDARD COUNTS: 8660

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
			3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.9	0.2	0.7	0.5	0.4	1.5	1.6	1.6	0.0	0.0
30.0	6.9	6.8	6.5	6.2	6.1	7.0	6.7	7.5	5.9	6.4
45.0	9.2	9.6	9.1	8.4	8.8	9.5	9.2	9.6	9.1	10.1
60.0	10.5	10.6	10.3	9.3	9.8	9.4	9.8	10.2	10.0	10.2
75.0	10.8	10.2	10.7	9.8	10.5	10.3	10.4	10.5	10.7	10.8
90.0	10.2	9.7	10.4	10.0	10.4	9.4	11.1	9.6	10.0	10.1
105.0	10.0	9.8	10.8	10.0	10.6	9.8	10.0	10.1	10.8	10.4
120.0	10.2	9.6	11.2	9.8	9.7	8.6	10.4	9.8	10.5	10.6
135.0	9.8	9.5	10.0	9.1	9.2	9.3	10.3	9.8	10.3	10.7
150.0	9.8	9.8	11.3	9.5	8.4	9.3	10.1	9.8	10.6	11.2
165.0	10.4	9.6	10.8	9.3	8.4	9.1	10.6	9.9	11.6	10.8
180.0	9.2	9.1	10.7	9.8	9.9	9.4	10.3	9.1	11.5	10.9
195.0	10.1	9.7	10.3	9.5	9.7	9.3	10.3	9.3	11.7	10.9
210.0	10.4	9.3	9.9	9.7	10.0	9.9	10.9	9.1	11.4	11.1
225.0	9.8	9.6	9.2	9.0	10.3	9.5	11.3	9.3	11.2	9.8
240.0	8.6	9.0	8.7	9.5	10.4	10.1	11.2	8.6	10.7	10.2
255.0	9.7	11.1	9.6	10.7	10.8	10.3	11.0	10.5	11.6	12.5
270.0	12.6	12.3	12.8	13.4	12.7	12.7	12.1	11.9	12.9	13.7
AVG %	9.7	9.6	10.0	9.3	9.6	9.4	10.2	9.6	10.5	10.4
WASTE %	9.6	9.3	9.8	9.5	10.1	9.6	10.8	9.1	11.3	10.6
STRG cm	26.8	26.3	27.4	25.7	26.3	25.8	28.1	26.3	28.9	28.7
AVG STRG	27.04±1.17									

DATE: 04-21-87
 DAY: 1206
 PROBE: 6031 STANDARD COUNTS: 8723

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
			3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.9	0.9	0.7	1.1	0.5	1.6	1.6	1.8	0.0	0.1
30.0	5.7	6.4	5.7	6.4	6.0	6.5	6.6	6.3	5.4	6.1
45.0	8.1	9.4	8.8	8.5	7.8	8.4	8.5	8.6	8.0	8.2
60.0	9.9	10.4	9.7	9.3	8.7	8.2	10.4	9.5	9.7	9.8
75.0	9.7	10.1	9.9	9.8	9.0	9.2	10.3	9.8	10.6	10.4
90.0	9.8	10.1	10.1	9.8	10.2	9.0	10.7	9.8	10.4	9.9
105.0	9.7	10.8	10.4	10.3	10.1	9.2	11.0	10.1	11.0	9.9
120.0	9.7	10.2	10.9	9.4	9.4	8.5	10.5	9.5	10.7	10.3
135.0	10.0	9.7	10.9	9.9	9.4	9.7	9.7	9.6	10.1	10.6
150.0	9.8	9.9	10.8	9.5	9.5	9.1	10.0	9.6	10.4	11.4
165.0	9.8	9.7	10.7	9.8	9.0	9.4	10.0	9.7	10.8	11.0
180.0	9.8	10.1	10.4	9.4	9.2	9.5	9.7	9.4	10.7	10.6
195.0	9.5	10.6	10.5	9.3	9.4	9.5	10.4	9.8	11.6	11.2
210.0	10.2	9.7	10.4	9.8	9.5	9.8	10.3	9.3	12.1	10.5
225.0	10.2	10.0	9.9	8.7	9.7	9.7	10.9	8.8	11.5	10.6
240.0	9.7	10.0	9.5	9.2	10.2	10.1	11.1	8.9	11.3	10.6
255.0	10.5	11.1	9.4	10.7	11.4	10.0	10.8	10.3	11.5	12.2
270.0	12.8	13.4	12.4	12.9	11.8	12.0	12.4	12.8	12.0	13.8
AVG %	9.5	9.9	9.9	9.4	9.3	9.1	10.1	9.3	10.4	10.2
WASTE %	9.9	10.1	10.1	9.3	9.6	9.7	10.5	9.2	11.5	10.7
STRG cm	26.1	27.2	27.2	25.8	25.6	25.0	27.7	25.6	28.5	28.1
AVG STRG	26.69±1.21									

DATE: 05-05-87
 DAY: 1220
 PROBE: 6031 STANDARD COUNTS: 8646

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.5	0.2	0.1	1.0	0.9	0.6	0.0	0.0
30.0	5.4	5.7	5.3	6.5	5.6	5.9	6.0	5.7	4.8	4.6
45.0	7.6	8.9	8.1	7.9	7.0	7.9	8.4	7.9	7.8	7.7
60.0	9.5	9.4	9.0	9.2	8.0	8.5	9.8	8.4	9.3	8.8
75.0	9.3	9.8	9.6	9.4	9.1	8.8	10.2	9.6	9.8	8.5
90.0	9.4	9.8	9.7	10.2	9.7	8.5	10.8	8.7	10.1	9.1
105.0	9.3	9.6	11.0	10.5	9.8	8.2	10.9	9.6	10.4	9.1
120.0	9.8	9.8	11.9	10.1	8.9	8.2	10.5	9.3	10.3	9.3
135.0	9.7	9.8	11.0	9.4	8.7	8.5	10.9	9.9	9.9	9.9
150.0	9.6	10.1	11.2	9.0	8.6	9.4	10.5	9.6	10.8	10.3
165.0	10.0	9.8	12.0	9.8	9.2	9.3	10.5	9.2	11.0	9.8
180.0	10.2	9.5	11.3	10.1	9.2	9.1	10.7	9.8	11.2	9.9
195.0	9.7	9.6	10.9	10.2	9.7	10.1	10.9	10.2	11.5	10.3
210.0	10.4	10.0	11.3	9.8	9.8	9.5	10.7	10.2	12.1	10.2
225.0	9.8	10.1	10.7	10.1	10.4	9.9	11.6	9.0	11.4	9.5
240.0	9.9	9.5	10.3	9.6	10.1	9.7	11.6	9.5	10.6	10.2
255.0	10.2	11.2	10.8	10.4	10.8	10.3	11.7	10.5	12.0	11.3
270.0	12.9	12.3	13.0	14.1	11.8	12.5	12.8	12.6	13.1	12.6
AVG %	9.4	9.5	10.3	9.5	9.0	8.9	10.4	9.2	10.2	9.3
WASTE %	10.0	9.7	10.9	10.0	9.8	9.7	11.1	9.7	11.4	10.0
STRG cm	25.8	26.2	28.2	26.2	24.9	24.4	28.5	25.3	28.1	25.5
AVG STRG	26.31±1.46									

DATE: 05-20-87
 DAY: 1235
 PROBE: 6031 STANDARD COUNTS: 8655

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.9	5.2	5.0	5.2	5.1	5.4	4.6	5.0	4.5	5.0
45.0	6.8	8.2	7.8	6.9	7.3	7.5	6.7	7.6	7.8	8.0
60.0	8.5	9.3	9.0	8.6	7.9	8.2	8.8	8.7	8.8	9.3
75.0	8.4	9.3	9.7	9.1	7.8	8.7	8.8	9.3	9.0	9.1
90.0	8.7	9.0	9.8	9.8	8.4	8.8	9.3	9.3	9.9	9.1
105.0	8.9	10.0	10.6	9.8	9.2	9.3	10.1	9.1	10.2	10.4
120.0	9.1	9.8	10.9	10.1	8.5	8.7	10.3	9.5	10.4	9.6
135.0	9.0	9.4	10.8	9.9	8.7	10.1	10.1	9.3	10.3	10.5
150.0	8.8	9.8	11.5	10.2	8.4	9.8	9.6	10.0	10.7	10.7
165.0	9.6	9.5	10.9	9.5	8.5	8.8	10.1	9.9	11.3	11.1
180.0	9.0	9.9	11.2	9.6	8.8	9.0	10.9	9.4	11.2	11.1
195.0	9.4	10.3	11.3	9.7	9.8	9.5	10.7	9.8	11.6	10.8
210.0	10.0	10.5	11.5	10.1	9.2	10.1	10.5	10.4	11.8	11.2
225.0	9.2	9.9	11.2	10.3	10.0	9.8	11.1	9.6	11.6	10.8
240.0	9.1	10.1	10.9	9.9	9.8	10.1	11.2	9.4	11.5	9.8
255.0	10.7	11.1	10.6	11.2	10.7	10.6	11.7	9.9	11.4	11.3
270.0	12.7	12.6	13.0	14.1	12.0	12.1	12.4	12.7	12.7	12.9
AVG %	8.7	9.5	10.2	9.4	8.6	9.0	9.7	9.1	10.1	9.9
WASTE %	9.3	10.2	11.2	9.9	9.5	9.7	10.9	9.7	11.5	10.7
STRG cm	23.9	26.0	28.0	25.8	23.8	24.8	26.6	25.1	27.9	27.1
AVG STRG	25.91±1.51									

DATE: 06-03-87
 DAY: 1249
 PROBE: 6031 STANDARD COUNTS: 8663

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.0	0.8	1.3	1.1	0.9	1.6	1.8	1.4	0.0	0.2
30.0	5.2	5.7	5.7	5.9	5.4	5.4	5.5	6.0	4.9	6.2
45.0	7.6	7.5	7.6	7.1	6.7	6.8	6.9	7.1	6.1	8.3
60.0	8.3	8.8	8.5	8.4	8.0	8.3	8.0	8.8	8.4	8.8
75.0	8.4	8.8	9.0	9.1	7.8	7.7	8.8	8.5	8.6	9.0
90.0	8.1	9.3	9.2	9.4	8.5	8.4	9.5	8.8	8.8	9.2
105.0	8.3	9.3	9.9	10.0	9.6	8.0	10.0	9.4	8.9	9.2
120.0	8.8	9.9	10.5	9.6	8.5	8.6	10.4	9.2	9.1	8.7
135.0	8.9	9.9	11.3	9.6	9.0	8.8	9.9	9.8	9.9	9.8
150.0	8.6	10.0	10.6	9.8	8.7	9.1	10.0	9.7	10.6	10.1
165.0	9.5	10.4	11.0	10.2	8.9	9.0	9.9	9.5	10.9	10.0
180.0	9.4	9.7	10.8	9.8	8.9	8.9	10.0	9.4	10.6	10.1
195.0	10.1	10.0	11.2	10.2	10.1	9.3	10.2	10.7	11.2	10.8
210.0	9.7	10.2	11.6	10.3	10.2	9.5	10.6	10.4	11.7	10.3
225.0	9.8	10.0	10.6	10.2	10.2	9.9	11.0	9.9	11.4	10.6
240.0	10.0	10.2	11.1	9.8	10.9	10.1	11.0	9.9	11.0	10.7
255.0	10.9	10.8	10.6	11.3	11.6	11.1	11.5	10.0	12.1	11.8
270.0	12.4	12.4	13.3	13.9	13.1	12.3	12.3	12.1	12.6	13.6
AVG %	8.9	9.4	9.9	9.4	8.9	8.7	9.6	9.2	9.7	9.6
WASTE %	9.8	10.0	11.0	10.1	10.1	9.5	10.5	10.1	11.2	10.5
STRG cm	24.4	25.9	27.4	25.9	24.6	23.9	26.3	25.3	26.6	26.4
AVG STRG	25.66±1.11									

DATE: 06-18-87
 DAY: 1264
 PROBE: 6031 STANDARD COUNTS: 8603

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0
30.0	4.4	4.9	4.8	5.0	5.1	5.0	5.2	5.3	4.2	4.0
45.0	7.3	7.9	7.5	6.8	6.6	7.3	6.8	7.3	7.1	7.4
60.0	8.3	9.2	8.6	8.1	8.0	7.6	8.0	8.2	8.5	8.9
75.0	8.3	8.5	8.4	8.2	8.5	8.3	8.2	8.8	8.8	9.1
90.0	8.5	8.9	8.3	9.3	8.5	8.0	9.1	8.6	9.5	9.5
105.0	8.2	9.3	9.7	8.9	8.7	7.9	9.9	8.7	9.3	10.0
120.0	8.2	9.6	9.5	10.0	8.2	7.9	10.2	8.7	10.0	9.7
135.0	9.1	9.8	10.1	9.1	8.1	8.8	9.9	9.2	10.1	9.7
150.0	8.4	10.1	10.2	9.3	9.1	9.4	9.4	9.2	10.5	11.1
165.0	9.8	10.1	10.0	10.0	8.2	8.6	9.9	9.3	11.0	10.8
180.0	9.6	10.0	10.5	10.4	9.4	8.5	9.4	9.8	11.6	10.6
195.0	10.0	10.4	10.2	10.6	9.9	9.3	10.5	10.7	11.6	10.7
210.0	10.2	10.2	10.2	10.5	9.6	9.7	10.2	11.0	12.5	11.5
225.0	9.2	10.2	10.7	10.3	10.7	10.4	10.6	10.2	11.7	10.7
240.0	9.9	10.5	10.1	10.6	10.9	10.5	10.9	10.1	10.8	10.9
255.0	11.5	11.6	10.9	11.7	11.2	11.1	12.3	10.0	12.6	12.0
270.0	13.4	12.8	12.2	14.7	13.1	12.8	12.7	12.8	12.9	14.9
AVG %	8.8	9.4	9.4	9.3	8.8	8.6	9.4	9.1	10.0	9.8
WASTE %	9.8	10.3	10.3	10.5	10.1	9.7	10.3	10.4	11.6	10.9
STRG cm	24.2	26.0	25.8	25.6	24.2	23.8	25.9	25.0	27.5	26.9
AVG STRG	25.49±1.20									

DATE: 07-07-87
 DAY: 1283
 PROBE: 6031 STANDARD COUNTS: 8672

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	4.2	4.8	4.4	4.4	3.9	4.5	4.0	4.6	3.3	3.1
45.0	7.2	7.5	7.2	6.6	6.6	6.4	6.4	6.9	6.5	6.8
60.0	7.8	8.4	8.3	7.9	7.1	7.0	7.6	7.8	7.7	8.5
75.0	7.7	8.2	8.9	8.8	7.2	6.9	8.0	7.9	8.2	8.4
90.0	8.4	8.5	8.8	9.0	8.1	7.8	8.7	8.1	8.7	8.4
105.0	8.0	9.0	9.2	8.9	8.5	7.7	9.6	8.8	9.7	8.7
120.0	8.5	9.8	9.6	10.3	7.8	7.4	9.9	8.9	9.0	9.2
135.0	7.9	8.8	9.8	9.3	8.1	8.8	9.5	8.5	9.0	9.2
150.0	8.8	9.4	9.8	10.4	8.1	8.5	10.0	8.9	10.2	10.3
165.0	9.3	9.8	9.9	10.5	8.4	8.0	9.6	8.7	11.0	10.2
180.0	9.2	9.5	9.9	10.8	8.7	8.5	9.2	8.6	10.7	10.1
195.0	9.3	9.5	10.1	10.2	10.1	9.2	10.4	9.7	11.0	10.0
210.0	10.1	10.1	10.4	10.8	9.9	10.5	11.0	9.8	11.4	11.6
225.0	10.4	9.9	9.8	10.3	10.6	9.6	10.8	9.3	10.8	10.2
240.0	9.9	10.0	9.9	10.7	10.4	10.1	11.0	9.3	11.3	10.4
255.0	10.8	11.0	11.0	12.0	11.0	10.0	11.6	10.1	11.4	11.8
270.0	13.1	12.8	12.3	15.0	13.1	12.3	12.7	11.9	12.3	14.9
AVG %	8.6	9.0	9.2	9.4	8.4	8.2	9.2	8.5	9.4	9.2
WASTE %	9.8	9.8	10.0	10.5	9.9	9.6	10.5	9.3	11.0	10.5
STRG cm	23.7	24.8	25.3	25.9	23.1	22.5	25.3	23.4	25.8	25.3
AVG STRG	24.52±1.22									

DATE: 07-23-87
 DAY: 1299
 PROBE: 6031 STANDARD COUNTS: 8598

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.1	4.3	3.7	3.9	3.4	3.6	3.7	4.9	2.7	3.2
45.0	5.8	6.4	6.5	6.2	5.9	5.7	5.8	6.3	5.7	7.1
60.0	8.4	7.6	8.3	7.6	6.1	6.7	6.8	8.2	7.6	8.3
75.0	7.2	7.9	8.0	7.6	6.5	6.9	7.3	7.9	8.1	8.8
90.0	7.3	8.0	9.0	8.1	7.6	7.3	7.1	7.4	8.4	8.9
105.0	7.9	8.2	9.3	9.1	7.2	7.1	8.0	8.5	8.9	9.1
120.0	8.0	8.5	10.0	8.9	7.9	7.0	8.5	8.6	8.0	8.9
135.0	7.3	8.8	10.0	8.4	7.3	7.9	9.1	8.6	8.2	8.9
150.0	8.1	9.3	10.0	9.5	7.8	8.3	8.6	8.2	9.5	10.3
165.0	8.8	9.1	10.9	9.5	7.5	8.8	9.6	8.9	9.8	9.9
180.0	9.0	8.8	10.8	9.7	8.5	8.2	10.2	9.1	9.8	11.0
195.0	8.7	10.3	11.1	10.3	9.5	8.9	10.0	10.2	10.7	10.2
210.0	9.4	10.7	11.3	9.7	9.7	9.6	10.1	10.6	10.8	10.4
225.0	9.7	9.9	10.9	9.1	9.3	10.0	10.3	10.2	10.6	10.5
240.0	9.8	10.9	10.9	10.0	9.9	10.3	10.1	9.5	10.6	10.6
255.0	10.0	11.9	11.2	10.8	10.5	10.4	10.7	10.0	11.5	11.9
270.0	12.1	13.4	13.1	13.3	13.0	12.1	12.7	12.3	12.7	14.3
AVG %	8.0	8.8	9.5	8.7	7.8	7.9	8.5	8.6	8.8	9.3
WASTE %	9.3	10.1	11.0	9.8	9.4	9.4	10.1	9.9	10.5	10.6
STRG cm	22.1	24.2	26.1	23.9	21.5	21.8	23.3	23.6	24.3	25.5
AVG STRG	23.61±1.52									

DATE: 08-04-87
 DAY: 1311
 PROBE: 6031 STANDARD COUNTS: 8588

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.3	4.2	3.6	3.1	4.0	3.2	3.3	4.0	2.7	2.4
45.0	6.0	6.7	7.0	5.2	5.9	6.2	5.6	6.0	5.9	6.0
60.0	7.5	8.0	7.3	7.4	7.1	6.9	6.5	6.5	7.5	7.3
75.0	7.6	7.6	7.9	7.4	7.2	7.1	7.4	7.4	8.3	8.0
90.0	7.6	7.7	8.1	8.5	7.5	6.7	7.5	7.6	9.2	8.3
105.0	7.0	8.3	8.7	8.4	8.2	7.5	7.7	8.0	8.7	8.2
120.0	8.1	8.4	9.3	9.0	7.5	7.4	8.3	8.3	8.8	8.8
135.0	7.8	8.6	9.6	9.0	8.0	7.6	8.3	8.3	9.4	9.2
150.0	8.0	9.3	10.1	9.0	7.9	8.4	8.6	8.3	9.3	10.4
165.0	9.4	8.6	10.6	9.6	8.5	8.5	8.9	9.0	9.8	9.6
180.0	9.3	8.9	10.4	10.3	8.5	8.4	9.1	8.6	9.8	10.2
195.0	9.3	9.9	10.3	9.8	9.3	9.0	9.5	9.6	11.2	10.4
210.0	10.0	9.4	10.8	10.4	9.8	9.7	9.9	9.7	10.9	9.8
225.0	9.0	9.9	10.4	10.5	9.9	9.9	10.3	9.7	11.0	9.8
240.0	9.4	10.2	10.8	10.2	10.3	10.7	9.4	9.8	10.6	10.3
255.0	10.0	10.3	10.9	11.0	11.2	10.5	10.5	10.0	11.9	11.6
270.0	12.7	12.0	12.7	15.5	12.6	12.4	11.9	12.0	12.6	15.0
AVG %	8.1	8.5	9.1	8.7	8.2	8.0	8.2	8.2	9.1	8.8
WASTE %	9.4	9.6	10.5	10.2	9.6	9.5	9.6	9.5	10.7	10.1
STRG cm	22.2	23.4	25.1	23.9	22.5	22.0	22.5	22.5	25.0	24.2
AVG STRG	23.32±1.16									

DATE: 08-20-87
 DAY: 1327
 PROBE: 6031 STANDARD COUNTS: 8625

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.1	4.4	2.9	3.9	3.0	3.6	3.1	3.9	2.4	2.9
45.0	6.3	6.3	6.4	6.0	6.1	5.8	5.8	6.1	6.1	6.5
60.0	7.3	7.8	7.5	7.5	6.3	7.0	6.7	6.9	7.7	7.7
75.0	7.1	7.8	8.0	8.1	6.3	7.3	7.0	7.6	8.5	8.2
90.0	7.4	8.1	8.0	8.4	7.1	7.0	7.6	7.4	8.4	7.7
105.0	7.9	8.7	8.8	7.9	7.1	7.6	8.0	7.7	8.8	8.4
120.0	7.2	8.5	9.4	9.2	7.0	7.6	8.1	8.3	8.6	9.3
135.0	7.5	9.3	9.5	9.0	7.0	8.5	8.9	8.0	8.7	9.2
150.0	8.3	9.6	9.2	9.4	7.3	8.1	9.2	8.4	9.2	9.8
165.0	8.9	9.2	9.9	9.8	7.5	7.6	9.3	9.1	10.1	9.7
180.0	9.1	10.0	9.2	9.7	7.9	8.3	9.0	8.2	10.5	10.1
195.0	8.8	10.3	9.4	9.6	8.4	8.4	10.0	9.5	10.6	10.0
210.0	8.9	10.2	9.5	10.3	8.5	9.6	9.6	9.5	11.5	10.4
225.0	9.0	10.2	10.1	10.2	8.5	9.4	9.8	9.7	10.7	9.9
240.0	8.9	10.4	9.5	9.3	9.6	10.1	10.3	9.9	10.9	9.7
255.0	10.2	11.3	10.8	11.8	10.2	9.8	10.7	9.3	12.2	11.3
270.0	12.1	13.3	11.7	15.3	12.2	12.2	11.7	11.7	12.5	15.1
AVG %	7.9	8.9	8.6	8.8	7.4	7.9	8.3	8.1	9.1	8.8
WASTE %	8.9	10.2	9.5	9.8	8.6	9.2	9.7	9.4	10.8	10.0
STRG cm	21.6	24.5	23.8	24.1	20.3	21.7	22.9	22.3	24.9	24.2
AVG STRG	23.02±1.52									

DATE: 09-02-87
 DAY: 1340
 PROBE: 6031 STANDARD COUNTS: 8633

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	2.3	3.6	3.4	3.5	3.0	3.2	3.4	3.5	2.6	2.1
45.0	5.0	6.6	6.6	6.1	5.4	5.5	5.2	6.1	6.0	5.9
60.0	7.1	7.7	7.9	7.1	6.2	6.6	7.1	7.0	7.5	7.6
75.0	6.9	7.6	7.3	7.8	6.7	7.0	7.1	7.2	8.0	7.8
90.0	6.8	7.3	7.7	7.5	6.6	7.0	7.0	7.4	8.3	7.9
105.0	7.1	8.2	8.5	8.6	7.1	6.8	8.1	7.7	9.1	7.6
120.0	7.0	8.3	9.8	8.8	6.9	7.1	8.2	8.0	8.8	8.4
135.0	7.9	8.7	9.1	8.7	6.7	7.7	8.2	8.5	8.6	8.7
150.0	7.5	9.0	9.5	8.6	7.3	7.9	9.0	8.4	9.7	9.6
165.0	8.4	8.9	10.5	9.4	7.6	8.3	8.6	8.8	10.2	9.3
180.0	8.9	9.4	10.1	9.6	7.9	8.1	9.1	8.1	10.4	9.7
195.0	8.1	10.0	10.3	9.7	8.9	8.9	9.4	8.8	10.7	9.4
210.0	9.0	9.9	10.5	9.8	8.8	9.6	10.1	9.3	10.5	9.5
225.0	9.1	10.0	10.4	9.4	8.5	9.1	9.8	9.4	10.6	9.1
240.0	8.7	9.9	10.3	9.7	8.9	9.8	10.0	9.6	10.3	9.6
255.0	10.1	11.3	11.2	11.2	9.9	10.2	10.3	9.7	12.0	11.2
270.0	11.4	12.7	12.8	14.3	12.0	12.3	11.0	11.8	12.1	15.0
AVG %	7.5	8.5	8.9	8.5	7.3	7.7	8.2	8.0	9.0	8.3
WASTE %	8.8	9.8	10.3	9.6	8.6	9.1	9.7	9.0	10.5	9.5
STRG cm	20.6	23.5	24.6	23.3	20.0	21.1	22.5	21.9	24.7	22.9
AVG STRG	22.51±1.60									

DATE: 09-16-87
 DAY: 1354
 PROBE: 6031 STANDARD COUNTS: 8655

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	1.8	3.6	2.4	3.2	3.0	3.3	3.1	3.3	2.1	2.5
45.0	5.0	6.4	5.8	5.4	5.2	5.3	5.4	6.2	5.0	5.4
60.0	6.2	6.7	6.4	6.4	5.5	6.3	6.3	6.7	6.5	7.7
75.0	7.2	6.9	7.1	7.8	6.7	5.9	6.8	7.5	7.6	7.3
90.0	6.4	7.6	7.7	7.4	7.0	6.3	6.8	7.4	7.8	7.3
105.0	7.1	7.7	8.5	8.2	7.3	6.7	8.2	8.1	8.0	8.6
120.0	7.3	7.7	9.1	8.5	7.6	6.7	8.4	7.5	8.5	8.3
135.0	7.0	8.1	8.8	8.1	6.6	7.3	8.5	8.1	8.3	8.3
150.0	7.2	9.1	9.4	8.7	7.5	7.9	8.8	8.0	9.0	9.7
165.0	8.1	8.8	10.0	9.7	7.4	7.8	8.5	8.3	9.1	9.0
180.0	8.6	8.8	9.3	9.2	7.7	7.8	9.3	8.2	10.5	9.9
195.0	8.8	8.6	9.2	8.7	8.3	8.4	9.4	8.9	10.0	10.2
210.0	8.6	9.0	9.8	9.3	8.7	8.8	10.0	9.5	10.8	9.2
225.0	8.8	9.2	9.9	10.0	9.1	9.4	9.9	9.9	10.2	9.6
240.0	8.7	9.8	9.9	9.5	9.2	9.6	10.0	9.3	10.7	10.1
255.0	9.8	11.1	10.9	11.0	9.4	9.9	10.8	9.3	11.2	11.2
270.0	12.1	12.4	12.5	14.6	11.6	11.9	12.7	12.2	11.8	12.3
AVG %	7.3	8.1	8.4	8.2	7.3	7.3	8.1	7.9	8.5	8.4
WASTE %	8.7	9.1	9.6	9.3	8.6	8.8	9.7	9.2	10.4	9.8
STRG cm	20.0	22.2	23.1	22.6	20.0	20.2	22.4	21.7	23.3	23.1
AVG STRG	21.86±1.33									

DATE: 09-30-87
 DAY: 1368
 PROBE: 6031 STANDARD COUNTS: 8571

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	2.8	3.3	3.2	3.1	2.9	3.8	2.8	3.3	2.4	2.7
45.0	5.5	6.5	5.9	5.2	5.6	6.0	5.3	5.6	5.9	6.1
60.0	6.6	6.9	6.7	6.6	5.9	6.5	6.2	7.2	7.1	6.7
75.0	6.9	7.0	7.3	7.0	6.6	6.8	6.5	7.1	7.1	7.1
90.0	7.0	7.8	7.2	7.1	6.8	6.5	7.2	7.8	7.5	7.2
105.0	8.0	8.2	9.1	7.5	7.2	6.8	8.0	7.8	7.7	7.8
120.0	7.3	8.0	9.0	8.3	6.5	6.6	8.0	8.3	8.4	7.8
135.0	7.4	8.5	8.7	8.2	6.9	7.6	8.1	8.1	8.1	8.2
150.0	8.2	8.8	9.0	8.6	7.3	8.3	8.8	8.2	9.3	9.6
165.0	8.8	9.0	9.4	9.2	7.1	7.7	8.8	8.0	9.9	9.3
180.0	9.1	8.8	10.1	8.6	7.6	8.4	8.6	8.9	9.8	9.0
195.0	9.5	9.5	9.9	8.6	8.4	9.0	9.0	8.8	10.2	9.5
210.0	9.2	9.9	10.2	8.5	8.4	8.8	10.0	9.7	10.6	9.5
225.0	9.1	9.5	10.1	9.0	8.7	8.7	10.5	9.5	10.1	9.0
240.0	8.7	9.7	9.7	9.5	9.2	9.0	9.8	9.8	10.5	9.6
255.0	10.3	11.0	10.4	10.3	9.9	9.8	10.8	9.9	10.9	11.0
270.0	12.4	12.4	11.7	13.2	11.3	12.6	11.7	12.4	12.3	12.0
AVG %	7.8	8.3	8.5	7.8	7.2	7.5	8.0	8.0	8.5	8.1
WASTE %	9.1	9.5	10.0	8.8	8.5	8.8	9.6	9.3	10.2	9.3
STRG cm	21.4	22.8	23.3	21.6	19.8	20.7	22.1	22.0	23.3	22.4
AVG STRG	21.93±1.12									

DATE: 10-20-87
 DAY: 1388
 PROBE: 6031 STANDARD COUNTS: 8634

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	2.8	3.5	2.8	3.0	2.8	3.5	3.1	3.7	2.2	2.9
45.0	5.1	5.8	5.8	5.3	5.4	5.5	5.8	5.7	4.5	6.3
60.0	7.3	6.7	6.7	6.6	6.2	5.6	5.9	6.2	6.7	6.7
75.0	6.8	7.3	6.6	6.5	6.2	6.3	6.5	6.3	7.1	6.9
90.0	6.7	6.9	6.9	7.0	6.8	6.4	7.0	7.5	7.1	7.2
105.0	7.1	7.9	7.7	7.9	6.8	7.1	7.2	7.5	8.1	7.8
120.0	7.1	7.5	8.0	8.1	6.5	6.5	7.6	7.7	7.9	7.6
135.0	6.9	8.1	8.9	7.6	6.8	7.3	8.1	7.7	7.8	8.1
150.0	7.3	8.8	8.4	8.2	6.8	7.9	8.6	7.8	8.5	9.3
165.0	8.6	8.0	8.7	8.4	7.1	7.7	8.6	8.2	8.9	9.8
180.0	8.9	8.8	9.0	9.1	7.0	7.9	8.9	7.5	9.4	8.9
195.0	8.3	9.0	9.0	8.6	7.5	8.6	9.3	8.8	10.0	9.1
210.0	8.5	9.3	9.7	8.9	8.7	9.0	8.9	8.8	9.7	9.1
225.0	8.5	8.9	9.3	9.3	8.7	9.0	9.1	9.6	9.9	9.4
240.0	8.9	9.3	10.0	9.4	8.8	9.7	9.2	8.9	9.7	9.5
255.0	9.9	10.5	10.1	10.8	9.8	10.4	10.1	9.2	11.4	10.8
270.0	13.1	12.1	12.1	14.1	10.2	12.0	12.5	12.3	11.7	12.6
AVG %	7.4	7.9	8.0	7.8	7.0	7.4	7.7	7.6	8.0	8.1
WASTE %	8.6	9.1	9.4	9.1	8.1	8.9	9.1	8.7	9.7	9.2
STRG cm	20.4	21.7	22.0	21.4	19.3	20.4	21.3	20.9	22.2	22.3
AVG STRG	21.18±0.95									

DATE: 11-05-87
 DAY: 1404
 PROBE: 6031 STANDARD COUNTS: 8689

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	2.7	3.5	3.5	3.1	3.6	3.2	3.2	3.6	2.3	2.8
45.0	5.6	6.0	6.0	5.4	5.3	5.1	5.2	5.8	5.1	5.9
60.0	7.0	6.2	6.5	6.3	5.6	5.6	6.1	6.5	6.3	6.5
75.0	6.4	6.2	6.6	6.4	5.8	6.0	6.4	6.0	7.0	6.6
90.0	6.5	6.8	6.4	7.1	6.4	6.0	6.4	6.8	7.1	7.0
105.0	6.6	7.2	8.1	6.9	6.3	6.2	6.6	7.1	7.6	7.3
120.0	7.0	7.6	8.5	8.1	6.3	6.0	7.5	7.5	7.6	6.8
135.0	7.0	7.9	8.5	8.6	6.0	6.9	8.5	8.1	7.7	7.5
150.0	7.6	8.8	8.9	8.4	7.0	7.2	7.9	7.7	8.2	8.4
165.0	8.5	8.6	8.9	8.9	6.9	7.4	8.6	7.9	8.4	8.8
180.0	8.6	8.6	8.8	8.9	6.7	7.1	8.7	7.9	8.9	8.4
195.0	8.3	8.9	9.3	9.0	7.7	7.7	8.8	8.5	9.4	9.1
210.0	8.6	9.3	10.0	9.0	8.5	8.1	9.9	9.2	9.9	9.2
225.0	8.3	8.4	10.3	9.2	8.1	8.7	8.9	9.4	9.7	8.9
240.0	8.4	9.2	9.3	8.9	8.5	9.1	9.2	9.3	9.4	8.9
255.0	9.7	9.3	10.1	10.6	9.5	9.9	9.8	9.4	10.7	10.6
270.0	12.0	12.2	12.3	14.3	10.9	12.1	11.3	12.0	11.6	11.5
AVG %	7.3	7.6	8.1	7.8	6.8	6.9	7.6	7.5	7.8	7.7
WASTE %	8.4	8.9	9.5	9.0	7.9	8.1	9.1	8.9	9.5	8.9
STRG cm	20.0	21.0	22.3	21.5	18.6	19.0	20.9	20.7	21.6	21.1
AVG STRG	20.68±1.15									

DATE: 11-23-87
 DAY: 1422
 PROBE: 6031 STANDARD COUNTS: 8704

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.5	3.4	3.2	2.8	3.7	3.7	3.1	3.4	2.7	3.0
45.0	5.8	5.0	3.4	5.5	5.3	5.1	5.0	5.4	4.9	5.5
60.0	6.2	6.8	5.7	6.2	5.4	5.4	5.8	5.7	6.0	6.0
75.0	6.2	5.8	5.5	6.6	6.3	5.6	5.8	6.5	6.6	6.7
90.0	6.4	6.3	6.0	6.4	6.3	6.1	6.5	6.2	7.1	6.7
105.0	7.1	6.2	6.6	7.0	6.5	6.7	6.8	7.1	7.1	6.8
120.0	6.9	6.6	7.4	7.8	6.2	5.5	7.3	7.3	6.9	7.1
135.0	7.1	6.7	7.2	8.4	5.6	6.8	7.3	7.6	7.9	7.7
150.0	8.5	7.4	7.7	8.6	6.4	7.2	7.9	7.8	7.8	8.5
165.0	8.6	8.3	8.4	8.8	6.9	6.8	8.5	7.2	8.9	8.6
180.0	8.5	8.0	7.6	9.2	6.7	7.3	7.6	7.7	8.3	8.6
195.0	8.8	8.2	8.5	9.0	7.8	7.9	8.0	8.2	9.7	8.4
210.0	8.6	8.4	8.9	9.2	8.2	7.7	8.4	8.7	9.6	8.7
225.0	8.4	8.4	8.4	8.9	8.4	7.9	9.2	8.9	9.5	8.9
240.0	7.9	8.3	8.2	9.3	9.2	8.3	8.8	9.0	9.6	8.8
255.0	9.1	9.3	10.2	10.3	9.7	9.1	9.5	9.8	11.0	9.8
270.0	11.9	12.3	11.5	11.8	12.0	11.0	10.8	11.8	11.2	12.0
AVG %	7.3	7.1	7.1	7.8	6.8	6.7	7.2	7.3	7.7	7.5
WASTE %	8.4	8.3	8.3	9.1	8.1	7.8	8.4	8.5	9.3	8.7
STRG cm	20.2	19.5	19.4	21.3	18.7	18.4	19.9	20.1	21.2	20.6
AVG STRG	19.93±0.98									

DATE: 12-16-87
DAY: 1445
PROBE: 6031 STANDARD COUNTS: 8591

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	4.1	3.8	3.5	3.2	2.7	3.6	3.7	3.8	1.8	2.5
30.0	8.5	8.3	7.9	8.4	8.4	8.3	8.0	8.4	7.4	7.9
45.0	10.1	10.5	9.9	8.9	10.8	8.7	9.2	9.9	10.2	10.2
60.0	9.7	9.1	9.5	8.2	11.1	8.0	8.9	9.6	10.0	10.5
75.0	7.4	7.3	7.5	6.8	8.3	7.4	7.0	8.2	9.1	9.0
90.0	6.5	6.6	6.8	6.4	6.7	6.2	6.6	7.0	8.2	7.1
105.0	6.9	7.0	6.9	6.9	6.9	6.0	6.6	6.3	7.3	7.0
120.0	6.7	7.2	7.8	6.6	6.3	6.1	6.5	6.8	6.9	6.6
135.0	7.6	7.6	7.8	6.7	6.6	6.3	6.9	7.1	7.3	7.2
150.0	7.9	8.0	7.5	7.1	6.6	6.7	8.0	7.6	8.2	8.3
165.0	8.1	8.0	8.5	7.8	6.7	6.5	7.8	7.2	8.7	8.3
180.0	7.9	8.2	8.7	8.3	7.1	7.4	8.8	7.8	9.1	7.8
195.0	7.9	8.0	9.2	8.2	7.7	7.4	8.4	9.1	9.5	7.8
210.0	8.7	8.3	9.0	8.4	8.0	8.3	8.7	8.5	9.8	8.2
225.0	7.7	8.4	9.0	7.9	7.6	8.2	8.5	8.7	9.4	8.2
240.0	7.8	8.8	9.3	8.4	8.7	8.6	8.3	8.9	9.3	8.9
255.0	9.2	10.2	9.6	9.7	9.3	9.8	9.0	9.8	10.5	9.7
270.0	11.8	12.2	11.2	12.5	11.1	11.2	11.1	12.2	11.2	11.8
AVG %	8.0	8.2	8.4	7.8	7.9	7.5	7.9	8.2	8.8	8.3
WASTE %	8.0	8.4	9.0	8.2	7.8	8.0	8.5	8.6	9.4	8.2
STRG cm	22.1	22.7	23.2	21.4	21.8	20.6	21.9	22.5	24.3	22.8
AVG STRG	22.34±1.00									

DATE: 12-30-87
DAY: 1459
PROBE: 6031 STANDARD COUNTS: 8584

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.6	0.0	0.0	0.0	0.0	0.0	0.5	0.7	0.0	0.0
15.0	4.2	3.5	3.9	3.8	2.7	3.6	4.8	4.8	2.4	3.0
30.0	6.4	6.9	7.4	6.9	7.3	7.0	7.1	6.9	6.6	7.0
45.0	8.9	9.2	9.1	8.1	9.1	7.9	8.6	9.1	8.6	8.9
60.0	9.6	9.0	9.8	8.2	10.5	8.5	8.6	9.7	9.9	10.0
75.0	8.9	8.7	8.9	7.9	9.7	8.9	7.8	9.3	9.9	9.1
90.0	7.4	7.4	7.5	6.8	9.7	8.4	7.1	8.0	9.2	8.6
105.0	6.3	6.6	7.6	6.6	8.0	7.1	6.7	7.1	8.4	7.8
120.0	6.5	6.9	7.6	7.4	6.4	6.6	6.8	6.6	7.4	7.8
135.0	6.2	7.2	8.0	7.2	6.3	6.5	7.5	7.7	7.6	7.6
150.0	7.2	7.9	7.8	7.9	6.9	6.9	7.9	7.3	8.7	8.4
165.0	7.9	7.7	8.8	8.3	7.2	7.2	7.9	7.3	8.9	9.0
180.0	8.1	8.3	8.6	8.2	6.2	7.5	8.6	7.3	8.9	8.3
195.0	8.2	8.8	8.4	8.4	7.5	7.7	8.1	8.5	9.0	8.7
210.0	8.5	8.7	9.2	9.4	7.8	8.5	8.1	8.5	10.3	8.4
225.0	8.7	8.9	9.2	9.4	8.2	8.3	8.9	9.2	9.6	8.7
240.0	8.2	9.3	8.9	9.2	8.2	9.2	8.4	8.7	9.8	9.0
255.0	10.0	11.2	9.6	10.6	9.5	9.4	9.3	9.3	10.4	10.6
270.0	13.2	12.4	11.9	13.8	10.5	11.5	11.1	11.5	12.4	13.3
AVG %	7.9	8.3	8.5	8.2	8.0	7.8	8.0	8.2	8.9	8.6
WASTE %	8.3	8.8	8.9	8.9	7.6	8.2	8.4	8.5	9.5	8.6
STRG cm	21.9	22.8	23.4	22.4	22.1	21.6	21.9	22.5	24.6	23.7
AVG STRG	22.69±0.97									

DATE: 01-12-88
 DAY: 1472
 PROBE: 6031 STANDARD COUNTS: 8800

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	4.3	3.9	3.4	3.4	2.5	3.7	3.6	4.7	4.1	1.8
15.0	6.3	5.5	5.5	5.3	4.7	5.5	5.5	6.7	5.7	5.2
30.0	6.3	6.5	6.5	7.0	6.4	6.7	6.3	7.2	7.2	6.3
45.0	7.8	8.6	7.9	7.8	7.4	7.6	7.9	8.6	8.2	8.2
60.0	9.5	9.0	8.4	8.6	8.8	7.5	8.3	9.0	9.9	8.9
75.0	8.3	8.2	8.3	7.8	8.3	8.2	7.9	9.3	9.9	9.0
90.0	7.8	7.6	7.8	7.1	8.8	7.9	7.1	8.4	9.6	8.4
105.0	6.1	6.6	7.6	6.9	8.2	6.7	6.5	6.8	8.4	8.0
120.0	6.0	6.7	7.3	6.6	6.9	6.7	6.4	6.9	7.7	6.9
135.0	5.3	6.6	7.2	6.9	6.5	6.8	6.4	6.9	7.3	6.5
150.0	6.8	7.0	7.5	6.8	6.6	6.6	6.6	7.2	8.2	7.3
165.0	7.6	6.9	7.5	7.6	6.4	7.0	7.5	6.8	8.5	8.0
180.0	6.9	7.7	8.0	8.0	6.5	6.6	7.2	6.8	8.9	7.9
195.0	7.7	7.7	8.5	8.3	6.9	7.6	7.5	7.6	9.1	8.6
210.0	7.4	8.4	8.4	8.0	6.8	7.6	7.7	8.3	8.6	7.9
225.0	7.6	7.7	8.1	8.3	7.5	8.3	7.8	8.4	8.8	8.0
240.0	8.3	8.5	8.0	8.2	8.3	8.3	7.6	8.8	10.1	8.5
255.0	9.3	9.4	9.1	9.6	9.1	9.3	9.0	9.0	10.7	10.1
270.0	11.3	11.4	10.5	12.7	10.9	11.4	10.3	11.2	10.7	11.8
AVG %	7.4	7.7	7.9	7.7	7.5	7.5	7.4	7.9	8.8	8.0
WASTE %	7.6	8.0	8.2	8.2	7.2	7.7	7.6	8.0	9.1	8.2
STRG cm	20.5	21.2	21.7	21.3	20.5	20.5	20.3	21.7	24.3	22.1
AVG STRG	21.40±1.19									

DATE: 01-26-88
 DAY: 1486
 PROBE: 6031 STANDARD COUNTS: 8780

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	2.7	2.5	2.3	2.8	1.9	2.5	2.0	2.5	1.2	0.2
30.0	7.2	7.1	6.7	8.0	6.7	7.6	7.1	7.9	6.6	6.4
45.0	9.3	9.5	9.6	9.1	9.0	8.5	8.2	9.3	8.9	8.7
60.0	10.5	11.0	11.0	9.9	10.3	9.1	9.4	9.5	10.3	9.7
75.0	10.7	9.9	10.0	9.9	10.6	9.9	9.6	10.4	10.7	10.4
90.0	10.5	9.7	11.0	10.1	11.5	9.6	9.9	10.4	10.9	9.8
105.0	9.5	9.4	10.1	9.0	11.0	8.7	9.4	9.6	10.3	10.3
120.0	8.7	8.2	8.8	8.0	10.4	8.3	9.0	8.9	11.0	10.8
135.0	7.6	8.2	8.7	7.0	8.8	8.2	9.0	7.8	9.8	10.5
150.0	7.6	7.7	7.9	7.8	8.2	7.4	8.6	7.7	9.8	9.4
165.0	8.4	7.8	7.8	8.5	7.8	6.5	8.2	7.6	9.4	8.2
180.0	8.2	7.4	7.6	7.5	6.7	6.4	8.1	7.0	9.1	7.5
195.0	7.4	8.2	8.0	7.9	7.1	7.4	7.6	7.8	9.6	7.9
210.0	7.6	8.1	8.1	7.7	6.8	7.3	7.4	8.5	9.5	8.2
225.0	7.3	8.1	7.6	7.5	7.3	7.7	7.8	8.1	8.9	8.2
240.0	8.2	8.4	8.1	8.3	7.9	8.0	8.6	8.8	9.1	8.5
255.0	9.6	10.3	9.0	9.6	8.7	9.3	9.0	9.0	9.7	10.2
270.0	12.3	11.6	10.8	11.9	10.6	11.2	10.8	11.4	10.8	11.8
AVG %	8.6	8.7	8.8	8.5	8.7	8.1	8.6	8.6	9.6	9.0
WASTE %	7.7	8.0	7.9	7.8	7.2	7.4	7.9	8.1	9.2	8.1
STRG cm	23.8	23.9	24.1	23.4	23.9	22.4	23.5	23.8	26.4	24.9
AVG STRG	24.00±1.06									

DATE: 02-10-88
 DAY: 1501
 PROBE: 6031 STANDARD COUNTS: 8750

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)		7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	2.2	1.6	1.5	1.8	1.2	1.5	1.9	2.3	0.5	0.0
30.0	6.4	6.5	6.1	7.0	5.6	6.4	6.4	6.5	5.4	6.0
45.0	7.7	8.1	8.4	8.8	8.3	7.9	7.8	8.1	8.4	8.6
60.0	10.4	9.1	9.6	9.4	8.8	8.4	8.5	8.7	9.2	9.5
75.0	10.0	9.8	10.1	9.2	9.5	9.3	8.8	9.4	9.8	9.4
90.0	9.6	9.6	10.3	9.0	10.8	9.4	9.5	9.5	10.0	9.4
105.0	9.5	9.7	10.8	8.9	10.6	8.3	9.4	9.2	10.4	10.0
120.0	9.2	9.2	10.0	8.7	9.8	8.6	9.4	9.4	9.9	9.9
135.0	8.7	8.8	9.5	7.8	9.2	8.4	8.9	8.9	10.0	10.1
150.0	7.7	8.7	9.2	8.1	8.5	8.2	9.0	8.2	11.0	11.1
165.0	8.3	7.8	8.9	8.5	8.1	7.4	9.3	7.6	9.7	10.5
180.0	7.6	8.3	7.6	7.8	7.7	7.4	8.5	7.3	9.6	9.8
195.0	8.2	7.7	7.7	7.8	7.9	6.7	7.8	8.2	10.0	9.5
210.0	8.5	8.4	8.0	8.1	7.9	7.5	8.6	8.8	9.3	7.6
225.0	8.1	7.6	7.7	8.3	7.8	7.0	8.3	8.4	9.2	7.4
240.0	8.8	8.3	8.6	8.0	8.3	7.8	7.9	8.3	9.0	8.3
255.0	9.4	9.2	8.5	9.7	8.6	9.4	8.5	9.0	10.4	9.8
270.0	12.7	12.1	11.2	12.5	10.7	11.5	11.1	11.7	11.3	12.7
AVG %	8.6	8.5	8.8	8.5	8.6	8.0	8.5	8.5	9.5	9.2
WASTE %	8.2	8.0	7.9	8.0	7.9	7.3	8.2	8.2	9.4	8.5
STRG cm	23.7	23.5	24.2	23.3	23.7	22.1	23.5	23.3	26.0	25.3
AVG STRG	23.86±1.11									

DATE: 02-29-88
 DAY: 1520
 PROBE: 6031 STANDARD COUNTS: 8719

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)		7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.1	0.7	0.5	1.6	0.0	1.1	1.2	1.3	0.0	0.0
30.0	5.5	5.5	5.7	6.4	5.2	5.7	5.9	5.8	4.7	4.6
45.0	7.6	8.7	7.7	8.1	7.0	7.5	8.3	7.6	7.5	7.6
60.0	9.1	9.1	8.8	9.2	8.7	8.2	8.1	8.5	8.7	9.0
75.0	9.3	9.2	9.4	9.2	8.7	9.0	9.2	8.7	9.0	8.5
90.0	9.2	9.2	9.1	9.4	9.9	8.8	9.3	9.0	9.8	9.0
105.0	9.7	9.4	10.7	9.7	9.7	8.6	9.5	8.8	10.1	9.5
120.0	8.6	9.5	10.0	9.3	9.3	8.0	9.4	9.3	10.1	9.3
135.0	8.9	8.7	10.2	8.8	8.7	7.9	9.6	8.4	10.1	9.8
150.0	8.5	8.9	10.1	8.4	9.0	8.6	10.0	8.2	10.2	10.0
165.0	8.6	8.1	9.2	8.5	8.7	8.2	9.5	7.9	10.8	10.6
180.0	8.3	8.3	8.6	8.6	8.8	7.6	9.9	7.9	10.5	10.0
195.0	8.3	8.5	8.3	7.7	9.1	7.5	9.4	8.4	10.6	9.3
210.0	7.5	8.6	8.3	7.8	8.2	8.1	9.8	8.6	10.0	9.1
225.0	8.2	8.3	8.3	7.6	8.5	7.7	8.4	8.3	8.8	8.3
240.0	8.2	8.8	8.3	8.5	8.1	7.9	8.2	8.0	9.1	8.3
255.0	9.3	9.9	9.3	9.2	9.4	9.1	9.2	9.2	11.4	9.9
270.0	12.3	11.4	11.1	12.7	10.3	11.2	11.8	11.9	11.3	11.8
AVG %	8.4	8.7	8.9	8.5	8.6	8.0	9.0	8.3	9.5	8.9
WASTE %	8.1	8.5	8.4	8.0	8.5	7.7	9.1	8.2	9.8	9.0
STRG cm	23.2	23.8	24.4	23.5	23.6	22.1	24.7	22.8	26.0	24.6
AVG STRG	23.87±1.13									

DATE: 03-14-88
 DAY: 1534
 PROBE: 6031 STANDARD COUNTS: 8858

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.4	1.1	1.0	1.4	0.2	0.9	1.8	1.3	0.1	0.0
30.0	5.1	5.6	5.4	5.4	5.5	5.6	5.5	6.2	5.1	4.4
45.0	7.8	8.3	7.8	7.1	6.9	7.0	7.1	8.1	7.7	7.4
60.0	8.6	8.2	8.8	8.2	7.3	7.7	8.7	7.9	8.6	8.0
75.0	8.7	8.9	8.1	9.0	7.6	7.8	8.4	8.4	8.5	8.8
90.0	8.4	8.6	8.8	8.6	8.6	7.8	9.2	8.8	9.2	8.7
105.0	8.4	8.8	10.2	8.7	9.1	7.7	9.4	8.8	9.4	10.4
120.0	8.5	9.0	9.8	8.2	8.9	7.4	9.2	9.4	8.9	9.5
135.0	8.5	9.1	10.2	8.4	7.9	8.2	9.1	9.3	9.6	9.4
150.0	8.3	8.8	9.5	8.3	8.6	8.6	9.0	9.0	10.1	10.5
165.0	8.4	8.2	8.9	9.0	7.9	8.2	9.8	8.5	10.1	10.9
180.0	8.4	8.4	9.3	8.4	8.7	7.9	9.5	7.9	10.1	10.3
195.0	8.1	8.3	8.4	7.6	8.6	7.9	9.2	8.2	9.9	9.9
210.0	8.1	8.2	8.0	7.9	8.4	7.8	9.5	7.6	9.3	9.9
225.0	7.6	8.0	7.6	7.7	8.4	7.4	9.0	8.0	8.8	9.2
240.0	7.9	8.4	7.9	7.5	8.9	7.8	8.2	8.2	8.8	8.9
255.0	8.6	9.3	8.6	9.4	9.1	8.8	8.8	9.1	10.4	10.1
270.0	12.2	11.7	10.2	11.8	11.4	10.6	10.8	11.0	11.2	11.1
AVG %	8.1	8.4	8.6	8.1	8.2	7.7	8.7	8.3	9.0	9.1
WASTE %	8.0	8.3	8.2	7.8	8.6	7.8	9.1	8.0	9.4	9.6
STRG cm	22.3	23.1	23.6	22.2	22.4	21.3	24.0	22.9	24.9	25.2
AVG STRG	23.19±1.23									

DATE: 03-30-88
 DAY: 1550
 PROBE: 6031 STANDARD COUNTS: 9018

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.0	1.4	0.6	1.4	0.4	1.1	1.1	1.7	0.2	0.0
30.0	4.5	5.7	4.9	5.4	5.1	4.8	5.0	5.4	4.5	4.5
45.0	7.0	7.2	7.3	7.0	6.3	6.4	6.6	6.8	6.5	7.5
60.0	8.1	8.3	7.3	7.7	7.0	7.0	7.7	7.7	7.7	7.9
75.0	8.3	8.5	9.0	8.2	7.3	7.7	7.6	8.2	7.8	7.8
90.0	8.1	7.9	8.7	8.5	8.5	7.2	8.0	7.4	8.5	7.9
105.0	8.4	8.9	8.8	8.3	8.1	7.5	8.6	7.9	8.8	8.0
120.0	7.9	8.5	9.3	8.1	7.9	7.1	9.2	7.9	8.8	8.8
135.0	7.8	8.3	10.6	8.0	7.8	7.5	8.5	8.8	9.2	9.5
150.0	7.9	8.8	9.5	8.3	8.0	7.9	8.7	8.4	9.7	10.1
165.0	8.2	8.3	9.9	8.4	7.7	7.8	8.8	7.9	10.0	9.6
180.0	8.2	8.2	8.9	8.1	8.2	8.4	9.6	7.7	9.9	9.3
195.0	8.0	8.0	8.3	7.8	8.9	8.2	9.0	7.8	10.5	9.3
210.0	8.3	7.8	8.1	7.8	8.9	7.3	9.1	8.3	9.8	9.2
225.0	7.2	7.4	7.8	6.9	9.0	7.5	8.9	7.8	8.4	8.2
240.0	7.3	7.8	7.8	7.8	8.3	7.9	8.2	8.7	8.6	8.5
255.0	8.8	9.4	8.1	9.6	9.3	8.3	8.7	8.5	9.8	9.6
270.0	11.3	11.1	10.2	12.5	11.6	10.8	10.3	11.2	10.7	11.1
AVG %	7.7	8.1	8.4	7.9	7.9	7.4	8.3	7.8	8.6	8.5
WASTE %	7.8	7.8	8.2	7.7	8.7	7.9	9.0	8.0	9.4	8.9
STRG cm	21.3	22.2	23.1	21.6	21.8	20.4	22.7	21.5	23.8	23.4
AVG STRG	22.18±1.06									

DATE: 04-14-88
 DAY: 1565
 PROBE: 6031 STANDARD COUNTS: 8963

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.4	0.0	0.1	0.5	0.0	0.5	0.6	1.1	0.0	0.0
30.0	4.4	4.4	4.5	5.5	4.7	4.9	5.0	5.3	4.3	4.4
45.0	7.1	7.6	6.9	6.4	6.3	6.3	6.5	7.2	6.4	7.3
60.0	8.6	8.2	8.0	7.8	7.4	6.8	7.5	7.5	8.2	7.8
75.0	8.4	8.5	8.2	8.3	7.5	7.4	8.1	7.6	8.5	7.7
90.0	8.0	8.4	8.6	8.6	8.0	7.7	8.1	8.1	8.6	7.8
105.0	8.0	8.7	9.2	8.6	8.2	6.8	8.3	7.6	9.0	8.4
120.0	8.0	8.7	9.4	8.3	8.2	7.2	8.5	8.0	8.6	9.1
135.0	8.2	8.9	9.1	7.6	7.9	7.7	8.6	8.7	8.2	8.7
150.0	8.0	8.8	9.4	8.2	8.3	8.0	8.7	8.3	9.9	9.2
165.0	9.4	8.5	9.6	9.1	8.2	7.9	9.1	8.1	9.9	9.3
180.0	9.3	9.0	9.1	8.3	8.1	7.6	9.3	8.2	10.3	9.4
195.0	9.0	7.9	9.6	8.1	8.4	8.2	9.0	9.0	10.5	9.6
210.0	8.6	8.2	8.6	8.5	9.1	8.1	9.4	8.3	9.5	9.6
225.0	7.9	8.2	7.6	7.7	8.7	8.4	9.4	8.5	8.8	9.4
240.0	7.4	7.6	7.9	8.5	9.1	8.6	8.7	8.1	9.6	9.5
255.0	9.1	9.3	8.2	9.7	9.5	8.9	9.2	9.4	10.1	10.1
270.0	11.7	11.4	10.5	12.4	11.0	10.8	11.5	12.2	10.6	11.4
AVG %	8.1	8.2	8.4	8.1	8.0	7.5	8.3	8.0	8.8	8.6
WASTE %	8.4	8.2	8.6	8.2	8.7	8.2	9.1	8.4	9.7	9.5
STRG cm	22.3	22.5	23.0	22.2	22.0	20.8	23.0	22.0	24.2	23.6
AVG STRG	22.55±0.95									

DATE: 04-28-88
 DAY: 1579
 PROBE: 6031 STANDARD COUNTS: 8984

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.4	0.4	0.0	0.4	0.2	0.7	0.7	1.3	0.0	0.0
30.0	4.6	4.8	4.2	5.3	4.0	4.6	4.5	5.1	4.1	4.0
45.0	6.5	7.2	6.8	5.8	6.0	5.9	6.3	6.6	6.7	6.1
60.0	7.7	7.8	7.2	7.1	6.7	6.8	7.1	7.4	7.4	7.7
75.0	8.1	8.0	7.9	8.2	7.0	6.7	7.3	7.2	8.1	7.5
90.0	6.9	8.4	8.4	8.6	8.0	7.3	8.2	7.8	8.4	7.2
105.0	7.3	7.6	8.8	8.5	7.8	6.6	7.6	7.9	8.4	8.1
120.0	7.5	8.3	9.5	8.5	7.7	7.9	8.7	8.4	8.6	7.9
135.0	7.9	8.2	9.1	8.4	7.7	7.3	8.2	8.0	8.9	8.2
150.0	8.4	8.3	8.4	8.6	7.9	8.0	8.6	7.9	9.1	8.4
165.0	8.2	8.8	9.7	9.1	7.6	7.1	9.0	8.5	9.8	8.4
180.0	8.6	8.9	9.2	9.0	7.4	8.3	8.6	8.7	9.4	8.4
195.0	8.0	8.9	8.9	8.7	8.4	8.4	9.1	8.6	10.3	9.0
210.0	8.9	8.2	8.9	8.7	8.7	8.1	9.2	7.8	10.1	9.7
225.0	8.5	7.6	8.3	8.8	8.2	8.7	9.4	8.6	9.6	9.2
240.0	7.7	8.0	7.6	8.9	8.6	8.1	9.3	8.5	8.4	8.7
255.0	8.7	9.5	8.9	9.9	9.6	8.9	9.4	8.7	10.4	10.0
270.0	11.5	11.6	10.6	13.8	10.5	10.5	11.2	11.6	10.7	10.6
AVG %	7.7	8.0	8.2	8.2	7.6	7.4	8.2	7.9	8.6	8.0
WASTE %	8.3	8.3	8.6	8.8	8.3	8.3	9.1	8.4	9.5	9.0
STRG cm	21.3	22.1	22.7	22.7	20.9	20.4	22.4	21.6	23.7	22.1
AVG STRG	21.98±0.97									

DATE: 05-10-88
 DAY: 1591
 PROBE: 6031 STANDARD COUNTS: 8956

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.5	0.0	0.1	0.0	0.0	0.2	1.0	0.0	0.0
30.0	3.9	4.7	4.1	4.7	4.3	4.7	3.8	4.8	4.2	4.1
45.0	6.8	6.9	6.5	6.7	6.2	5.7	6.3	6.4	6.3	6.9
60.0	7.7	7.5	7.1	7.8	6.3	6.3	7.8	7.5	7.4	8.1
75.0	7.8	8.0	8.2	7.7	7.2	6.8	7.9	7.7	8.6	8.2
90.0	7.9	8.3	8.1	7.7	7.6	7.1	7.6	7.9	8.5	7.8
105.0	7.5	8.3	8.9	8.7	8.0	7.5	8.2	8.0	8.4	8.4
120.0	7.4	8.1	9.2	8.2	7.5	6.7	8.2	7.5	8.4	8.5
135.0	7.7	8.2	9.7	8.2	7.1	7.6	8.8	7.8	8.4	9.0
150.0	7.6	8.8	9.3	8.9	7.3	7.8	9.0	8.1	9.4	9.2
165.0	8.5	8.2	9.5	9.2	7.4	7.6	8.6	8.8	9.8	9.6
180.0	8.5	8.4	9.4	8.6	7.7	7.5	8.8	8.1	9.5	9.5
195.0	8.5	8.6	9.3	9.2	8.4	8.2	9.3	9.1	10.2	9.0
210.0	8.6	8.9	9.6	8.9	8.5	7.7	9.4	8.6	9.9	9.3
225.0	8.3	7.8	9.4	8.2	8.8	7.7	8.7	8.4	9.1	8.7
240.0	8.3	8.3	8.6	8.3	9.8	8.9	8.9	8.5	9.7	9.2
255.0	8.9	9.7	9.0	10.3	10.0	8.7	9.0	8.8	10.5	9.9
270.0	11.2	11.1	11.0	13.6	11.0	10.9	11.3	11.9	10.8	10.9
AVG %	7.7	8.0	8.5	8.2	7.6	7.3	8.2	7.9	8.6	8.5
WASTE %	8.4	8.4	9.3	8.6	8.6	8.0	9.0	8.5	9.7	9.1
STRG cm	21.3	22.1	23.4	22.5	21.0	20.0	22.4	21.7	23.8	23.3
AVG STRG	22.16±1.19									

DATE: 05-26-88
 DAY: 1607
 PROBE: 6031 STANDARD COUNTS: 8970

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.1	0.3	0.0	0.2	0.0	0.0	0.4	0.6	0.0	0.0
30.0	4.1	4.7	4.7	4.1	3.9	4.2	4.8	4.8	3.4	3.8
45.0	6.2	6.9	7.3	6.2	5.5	5.6	6.0	6.5	6.1	7.1
60.0	7.4	7.7	7.6	7.4	6.6	6.6	6.9	7.3	7.1	7.9
75.0	7.7	7.1	7.8	7.8	7.1	7.4	7.4	7.9	8.1	10.9
90.0	7.2	7.4	8.0	7.9	7.3	6.9	7.9	7.8	8.2	7.5
105.0	7.1	8.0	8.8	7.4	7.7	6.5	7.5	7.8	8.2	8.1
120.0	7.5	8.0	9.7	8.0	6.8	6.5	8.1	7.8	8.2	8.3
135.0	7.7	8.6	9.6	7.7	7.3	7.9	8.6	8.5	8.2	8.5
150.0	8.3	8.5	9.8	11.7	6.8	7.9	8.3	8.4	8.6	9.6
165.0	8.3	8.5	9.1	8.7	7.6	7.0	8.4	8.6	9.7	9.5
180.0	8.3	8.8	9.4	8.4	7.5	8.2	9.1	8.6	9.7	9.0
195.0	7.9	8.9	9.7	8.0	7.9	8.0	8.9	8.7	10.7	9.3
210.0	8.3	8.6	9.2	8.9	8.7	8.4	9.2	8.8	10.1	9.6
225.0	8.6	8.5	9.0	8.2	8.7	8.4	9.8	8.7	9.9	9.1
240.0	8.2	8.7	8.7	7.9	9.2	9.3	9.3	9.1	9.9	9.5
255.0	9.5	9.4	9.1	9.5	9.0	9.4	9.6	9.7	10.3	10.3
270.0	11.5	11.6	11.5	11.3	10.9	11.2	11.2	11.7	11.0	11.3
AVG %	7.6	8.0	8.6	8.0	7.4	7.4	8.1	8.1	8.5	8.6
WASTE %	8.3	8.7	9.2	8.3	8.4	8.5	9.2	8.8	10.1	9.3
STRG cm	21.0	22.1	23.7	22.0	20.2	20.3	22.3	22.2	23.4	23.7
AVG STRG	22.10±1.28									

DATE: 07-14-88
 DAY: 1656
 PROBE: 6031 STANDARD COUNTS: 8346

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.7	0.9	0.1	1.0	0.8	1.2	1.0	1.2	0.0	0.0
30.0	4.5	5.6	4.9	4.6	4.7	5.2	4.2	5.2	4.1	4.1
45.0	7.0	8.2	7.6	7.2	6.4	7.2	6.8	7.3	6.9	6.6
60.0	8.2	8.6	8.3	8.2	7.3	7.4	8.2	8.5	8.2	7.5
75.0	7.7	8.4	8.6	8.6	8.2	7.2	8.3	9.2	9.0	8.4
90.0	7.7	9.1	8.9	9.1	8.1	7.7	8.6	8.9	8.7	8.1
105.0	8.4	8.9	9.8	9.1	8.9	8.2	8.9	9.5	9.2	8.4
120.0	8.3	9.1	10.0	8.4	8.3	7.7	9.0	9.1	9.4	9.1
135.0	8.4	9.2	9.6	8.7	7.9	7.8	8.9	8.7	8.4	9.0
150.0	8.7	9.2	9.8	9.1	8.2	8.8	9.3	9.0	9.3	9.9
165.0	9.2	9.6	11.0	9.5	8.7	8.5	9.8	9.2	10.6	9.3
180.0	9.5	9.8	10.5	9.5	9.1	8.4	9.8	8.7	10.7	9.5
195.0	9.2	10.3	10.3	9.5	9.9	9.4	9.7	10.2	11.7	9.6
210.0	9.8	10.3	10.7	10.0	9.4	9.3	9.9	10.6	11.0	9.8
225.0	9.8	9.6	10.3	9.5	10.1	9.2	10.2	9.6	10.7	9.2
240.0	9.6	10.0	11.1	9.5	10.2	9.8	10.9	10.0	10.8	9.7
255.0	10.7	11.5	11.0	11.3	10.3	10.3	10.9	10.2	11.7	11.1
270.0	13.5	13.5	12.7	13.9	13.2	12.0	12.7	13.5	12.1	11.8
AVG %	8.5	9.2	9.5	8.9	8.5	8.3	8.9	9.0	9.4	8.7
WASTE %	9.6	10.0	10.6	9.6	9.8	9.2	10.1	9.8	11.0	9.5
STRG cm	23.5	25.3	26.2	24.4	23.4	22.7	24.6	24.8	25.9	23.9
AVG STRG	24.48±1.12									

DATE: 07-27-88
 DAY: 1669
 PROBE: 6031 STANDARD COUNTS: 8281

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	4.0	5.3	4.3	4.9	4.0	5.4	4.0	5.6	3.9	4.4
45.0	7.1	8.4	7.4	7.0	6.2	6.9	6.6	7.0	6.7	7.9
60.0	7.6	8.8	8.4	7.9	7.6	7.5	8.0	8.5	8.5	8.8
75.0	8.2	8.5	8.5	8.9	7.8	8.2	8.4	8.2	8.7	8.8
90.0	7.2	9.0	9.4	8.6	8.5	8.1	8.5	8.7	9.6	8.9
105.0	7.8	9.0	9.5	9.2	8.4	7.5	8.6	9.3	9.5	9.4
120.0	8.5	8.6	10.0	9.4	8.1	7.5	8.8	8.7	9.7	9.0
135.0	8.1	9.8	9.7	9.0	8.4	8.5	9.4	9.1	9.4	8.9
150.0	7.7	9.3	10.3	8.9	8.6	8.8	9.7	9.6	10.1	10.1
165.0	9.6	9.6	10.6	9.6	8.5	8.7	9.5	10.1	11.2	10.4
180.0	9.9	10.0	10.2	10.6	8.5	8.8	9.6	9.8	11.0	10.3
195.0	9.6	10.2	10.2	10.1	9.1	9.5	10.0	10.4	11.4	11.3
210.0	9.2	10.2	10.9	10.2	10.4	9.4	10.0	10.9	11.3	10.7
225.0	9.6	10.3	9.9	9.7	10.3	10.4	10.5	10.8	10.7	10.3
240.0	9.8	10.4	10.5	10.1	10.1	10.9	10.7	10.5	11.1	10.5
255.0	10.8	10.8	10.4	11.5	11.0	11.1	11.0	10.1	12.0	12.4
270.0	13.2	13.5	13.0	14.8	13.0	12.6	12.8	12.9	12.4	13.0
AVG %	8.4	9.3	9.4	9.1	8.5	8.6	9.0	9.2	9.7	9.5
WASTE %	9.6	10.2	10.3	10.1	9.7	9.8	10.2	10.5	11.1	10.6
STRG cm	23.2	25.5	25.8	25.0	23.3	23.6	24.7	25.4	26.6	26.2
AVG STRG	24.92±1.21									

DATE: 08-11-88
 DAY: 1684
 PROBE: 6031 STANDARD COUNTS: 8321

DEPTH (cm)	1	2	% VOL 3	WATER 4	CONTENT 5	(cm/m) 6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.9	4.7	3.9	3.9	4.0	3.8	3.5	5.3	3.4	3.1
45.0	6.7	7.5	7.2	6.7	6.0	5.9	6.7	6.8	7.2	6.3
60.0	7.9	8.7	7.7	6.5	7.3	6.9	7.5	7.9	8.6	7.6
75.0	7.7	9.0	8.4	8.2	6.9	7.9	8.0	8.7	8.2	7.9
90.0	7.3	9.1	8.8	8.0	8.6	7.6	8.4	8.4	9.4	8.2
105.0	7.4	8.7	9.5	8.3	8.5	7.2	8.4	8.9	9.1	7.6
120.0	7.6	9.0	9.6	8.9	7.9	7.2	9.3	9.1	9.7	8.7
135.0	8.0	9.4	9.1	8.6	7.8	8.8	9.0	8.9	9.2	8.4
150.0	8.3	9.1	9.6	8.4	8.2	8.6	9.1	8.9	10.0	9.1
165.0	9.0	9.1	10.6	9.4	8.6	8.1	9.7	8.7	11.1	9.2
180.0	9.0	9.3	10.1	9.1	9.4	8.5	9.9	9.6	10.1	9.2
195.0	9.4	9.9	10.3	9.6	8.9	8.8	9.8	10.0	11.3	9.9
210.0	9.9	10.1	10.4	9.8	9.8	9.0	10.3	10.6	11.6	9.0
225.0	9.0	9.3	10.0	9.9	9.9	9.3	10.3	10.2	11.8	9.8
240.0	9.6	10.5	10.2	9.9	10.6	9.9	10.4	10.6	11.3	9.8
255.0	10.4	11.5	10.7	10.4	10.6	9.6	10.7	10.2	11.9	10.8
270.0	13.2	12.4	12.4	14.3	12.7	11.8	13.4	12.8	12.6	11.9
AVG %	8.2	9.1	9.1	8.5	8.3	8.0	8.8	8.9	9.6	8.4
WASTE %	9.4	9.8	10.2	9.7	9.7	9.1	10.2	10.2	11.2	9.6
STRG cm	22.6	24.9	25.1	23.3	22.9	21.9	24.3	24.6	26.5	23.2
AVG STRG	23.93±1.39									

DATE: 10-04-88
 DAY: 1738
 PROBE: 6031 STANDARD COUNTS: 8370

DEPTH (cm)	1	2	% VOL 3	WATER 4	CONTENT 5	(cm/m) 6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
30.0	3.8	4.0	4.0	4.2	3.9	4.0	3.5	4.7	3.4	2.8
45.0	5.8	4.8	5.2	5.5	5.8	5.6	5.6	6.7	5.9	6.5
60.0	6.9	7.0	6.8	6.5	6.5	6.6	6.7	7.3	7.3	7.5
75.0	7.5	7.6	6.7	6.7	6.3	6.5	7.4	7.7	8.6	7.1
90.0	7.1	7.8	8.0	7.2	7.4	6.7	7.5	7.7	8.8	7.1
105.0	7.3	8.5	8.4	7.7	7.3	7.3	8.1	8.0	8.2	7.5
120.0	7.7	8.2	9.1	7.8	7.9	6.5	8.3	8.8	8.4	7.7
135.0	8.1	8.5	8.6	7.8	7.1	7.5	8.6	8.4	8.1	7.9
150.0	8.0	8.6	9.3	8.3	7.8	8.4	8.6	9.0	9.2	8.9
165.0	8.8	8.4	9.4	8.6	7.7	8.0	8.9	9.1	9.9	9.6
180.0	9.1	8.6	9.8	8.4	8.0	8.2	9.7	8.9	10.0	9.2
195.0	9.5	8.5	9.4	9.4	8.7	9.1	9.3	9.9	10.4	9.3
210.0	9.6	9.8	9.9	10.0	9.3	9.4	9.8	10.2	11.1	9.7
225.0	9.1	9.7	9.7	9.5	9.5	9.2	10.4	10.2	10.5	9.1
240.0	8.9	9.4	9.5	10.5	10.1	9.5	10.1	10.1	11.3	10.0
255.0	10.8	9.7	10.2	11.9	10.5	9.9	11.1	10.1	11.2	11.5
270.0	13.4	10.3	12.3	15.0	12.7	12.3	12.5	12.9	12.4	13.5
AVG %	8.0	8.1	8.4	8.1	7.7	7.6	8.4	8.6	8.9	8.2
WASTE %	9.3	9.2	9.6	9.6	9.1	9.1	9.9	9.9	10.6	9.5
STRG cm	22.0	22.2	23.0	22.3	21.3	21.0	23.0	23.5	24.5	22.6
AVG STRG	22.56±1.03									

DATE: 10-19-88
DAY: 1753
PROBE: 6031 STANDARD COUNTS: 8409

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.4	4.3	3.6	3.9	3.9	3.8	3.4	4.4	3.2	3.0
45.0	5.6	5.8	5.6	5.0	6.1	5.7	5.6	5.9	6.3	5.7
60.0	6.4	7.6	6.6	6.2	5.9	5.8	6.6	6.8	7.4	7.5
75.0	6.9	7.6	7.0	6.7	6.5	5.8	6.5	7.3	7.5	7.0
90.0	6.3	7.0	6.9	7.0	6.9	6.8	7.2	7.8	8.0	6.8
105.0	7.0	8.0	8.0	7.9	7.2	6.6	7.5	7.5	8.7	7.5
120.0	6.7	8.1	8.6	7.0	6.9	6.8	7.9	7.6	8.1	7.9
135.0	7.1	7.9	8.2	7.5	7.0	7.3	8.9	8.1	8.6	7.8
150.0	7.7	8.8	8.6	7.9	7.3	7.7	9.2	8.1	9.3	8.5
165.0	8.4	9.1	8.9	8.2	7.2	7.7	9.3	8.6	10.2	8.4
180.0	8.6	8.5	9.3	9.1	7.2	7.7	8.7	8.9	9.8	8.0
195.0	8.3	8.5	9.3	9.2	8.2	8.0	8.7	9.6	10.3	8.9
210.0	9.0	9.4	9.9	9.3	9.4	8.8	9.3	10.1	11.3	8.7
225.0	8.7	8.9	9.8	9.5	9.8	9.2	9.3	9.9	10.5	8.1
240.0	9.2	9.3	8.8	9.7	9.3	9.5	9.7	9.8	9.8	8.9
255.0	10.2	11.4	10.1	10.9	10.5	9.6	9.6	10.5	11.4	10.2
270.0	12.7	13.1	13.0	14.8	12.5	11.4	11.8	13.2	12.0	12.0
AVG %	7.5	8.1	8.1	7.8	7.5	7.3	8.0	8.2	8.8	7.7
WASTE %	8.8	8.9	9.4	9.4	8.8	8.6	9.1	9.7	10.3	8.5
STRG cm	20.6	22.4	22.2	21.5	20.5	20.1	21.9	22.5	24.1	21.1
AVG STRG	21.70±1.20									

DATE: 10-31-88
DAY: 1765
PROBE: 6031 STANDARD COUNTS: 8397

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.4	4.3	3.6	3.9	3.9	3.8	3.4	4.4	3.3	3.0
45.0	5.6	5.9	5.7	5.0	6.1	5.8	5.6	5.9	6.3	5.7
60.0	6.4	7.6	6.6	6.2	5.9	5.8	6.6	6.9	7.4	7.6
75.0	6.9	7.6	7.1	6.7	6.6	5.8	6.6	7.3	7.5	7.0
90.0	6.3	7.0	6.9	7.1	6.9	6.8	7.2	7.8	8.0	6.8
105.0	7.1	8.0	8.0	7.9	7.2	6.6	7.5	7.5	8.7	7.6
120.0	6.7	8.1	8.6	7.0	6.9	6.8	8.0	7.6	8.2	7.9
135.0	7.2	7.9	8.2	7.5	7.0	7.3	8.9	8.1	8.6	7.8
150.0	7.7	8.8	8.7	7.9	7.3	7.7	9.2	8.1	9.4	8.6
165.0	8.4	9.1	9.0	8.3	7.2	7.7	9.3	8.6	10.3	8.4
180.0	8.6	8.5	9.4	9.1	7.3	7.7	8.7	9.0	9.8	8.0
195.0	8.3	8.5	9.3	9.2	8.3	8.0	8.7	9.6	10.3	9.0
210.0	9.0	9.4	9.9	9.4	9.5	8.9	9.3	10.1	11.4	8.7
225.0	8.7	8.9	9.8	9.5	9.8	9.2	9.3	9.9	10.5	8.1
240.0	9.2	9.3	8.9	9.7	9.3	9.5	9.7	9.8	9.8	9.0
255.0	10.3	11.4	10.1	11.0	10.6	9.7	9.6	10.5	11.4	10.2
270.0	12.7	13.2	13.1	14.9	12.5	11.4	11.8	13.2	12.0	12.0
AVG %	7.5	8.2	8.1	7.8	7.5	7.3	8.0	8.2	8.8	7.7
WASTE %	8.8	8.9	9.5	9.4	8.8	8.7	9.2	9.7	10.3	8.6
STRG cm	20.6	22.5	22.3	21.6	20.6	20.2	22.0	22.6	24.2	21.2
AVG STRG	21.77±1.20									

DATE: 11-18-88
 DAY: 1783
 PROBE: 6031 STANDARD COUNTS: 8423

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	2.6	3.1	2.8	3.2	1.8	2.9	2.9	3.6	2.4	1.1
30.0	5.4	6.3	5.6	6.6	6.0	5.8	5.6	6.6	5.8	5.6
45.0	5.7	6.6	6.0	5.7	5.6	6.2	6.0	5.9	6.5	7.0
60.0	7.5	6.3	6.1	5.8	6.2	6.0	6.6	6.4	6.8	6.6
75.0	7.0	7.3	6.8	7.2	6.1	6.5	7.0	7.4	7.0	6.6
90.0	6.7	7.1	7.3	6.7	6.7	6.4	7.0	7.8	7.6	6.2
105.0	6.7	7.6	7.8	7.2	7.4	6.2	7.1	7.7	7.5	7.4
120.0	7.0	8.1	8.3	7.2	6.6	6.1	7.7	7.8	8.1	7.3
135.0	7.4	7.6	8.6	8.0	6.4	7.4	7.9	7.9	8.0	7.9
150.0	7.5	8.2	8.4	8.2	7.2	7.6	8.5	7.9	8.4	8.5
165.0	8.0	8.4	8.7	8.3	7.3	7.3	8.6	8.1	9.7	8.8
180.0	8.4	8.7	8.6	8.9	7.4	7.5	8.7	8.3	9.6	8.5
195.0	8.7	9.3	9.2	8.9	7.8	8.0	9.2	9.1	9.8	8.9
210.0	8.0	9.2	9.4	8.4	9.2	8.4	9.3	9.9	9.9	8.0
225.0	8.4	8.9	9.7	9.0	9.1	8.7	9.5	9.2	10.0	8.3
240.0	9.0	8.8	9.2	9.0	9.2	9.4	8.8	9.7	11.2	9.1
255.0	9.3	10.7	9.5	11.4	10.3	10.0	9.6	10.0	11.8	10.4
270.0	12.2	12.7	12.1	15.2	12.2	12.2	11.6	12.3	12.2	12.1
AVG %	7.6	8.1	8.1	7.9	7.4	7.3	8.0	8.1	8.6	7.8
WASTE %	8.5	9.0	9.2	8.8	8.5	8.4	9.1	9.2	10.1	8.5
STRG cm	20.8	22.2	22.2	21.8	20.4	20.2	21.9	22.3	23.7	21.5
AVG STRG	21.70±1.05									

DATE: 11-30-88
 DAY: 1795
 PROBE: 6031 STANDARD COUNTS: 8398

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	3.4	3.4	3.7	3.3	3.0	3.5	3.9	4.3	2.5	1.0
30.0	8.0	9.3	8.1	7.9	8.5	8.0	8.0	9.1	8.6	8.3
45.0	8.7	9.3	8.7	7.7	9.6	8.9	8.8	9.8	9.9	10.1
60.0	7.5	8.1	6.9	7.6	7.8	7.0	7.8	7.9	8.9	8.6
75.0	6.8	7.0	6.6	6.6	6.5	6.1	7.0	7.4	7.8	7.0
90.0	6.9	7.2	6.8	6.2	7.0	6.4	6.4	7.4	7.6	7.1
105.0	6.2	7.8	7.2	7.2	7.4	6.4	7.5	7.2	8.2	7.2
120.0	6.9	8.2	7.6	7.6	7.3	6.3	8.3	7.8	8.0	7.0
135.0	6.9	8.2	7.5	7.1	6.7	7.0	8.1	8.3	8.5	7.3
150.0	7.0	8.4	8.6	7.7	7.6	7.1	8.8	8.2	9.0	8.5
165.0	8.2	8.5	8.9	8.4	7.4	7.6	9.2	8.3	10.0	8.6
180.0	8.0	8.8	8.7	9.2	7.8	7.6	8.7	8.4	9.6	8.9
195.0	8.3	8.2	9.2	8.1	8.1	7.9	8.9	9.1	10.1	8.5
210.0	8.3	9.2	9.6	8.8	9.2	8.5	8.9	9.6	10.5	9.1
225.0	8.2	9.1	9.5	9.0	9.2	8.5	9.0	9.6	9.9	8.2
240.0	9.2	9.4	10.1	9.8	9.6	8.6	8.8	10.2	10.1	8.4
255.0	9.6	10.6	10.5	11.3	10.8	10.0	9.7	10.1	11.2	10.3
270.0	12.6	12.9	12.1	14.2	12.6	11.4	11.9	12.2	12.4	11.4
AVG %	7.8	8.6	8.4	8.1	8.2	7.6	8.4	8.7	9.2	8.3
WASTE %	8.4	8.9	9.4	9.0	8.8	8.2	8.9	9.4	10.0	8.6
STRG cm	21.5	23.6	23.1	22.4	22.4	20.9	23.0	23.8	25.4	22.9
AVG STRG	22.91±1.25									

DATE: 12-13-88
 DAY: 1808
 PROBE: 6031 STANDARD COUNTS: 8422

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15.0	3.1	3.0	2.7	3.2	2.7	3.0	3.3	3.8	1.7	1.1
30.0	7.7	7.7	7.4	7.6	7.2	7.5	7.8	8.0	7.2	6.8
45.0	9.4	9.0	8.7	8.8	8.8	9.0	8.7	9.5	9.4	9.5
60.0	8.3	8.9	8.0	7.9	8.5	7.7	8.2	9.1	8.7	9.6
75.0	7.0	7.5	6.8	7.1	8.0	7.2	7.3	7.4	8.6	7.5
90.0	6.8	7.2	6.7	6.9	7.5	6.3	7.3	7.1	7.9	7.0
105.0	6.6	7.2	7.8	7.5	7.3	6.2	7.9	7.9	6.9	6.5
120.0	7.0	7.2	8.2	7.4	6.4	6.2	8.0	8.2	7.5	6.8
135.0	6.6	8.3	7.8	7.2	6.5	6.7	7.8	7.6	8.0	7.1
150.0	7.3	8.3	8.3	7.6	7.5	7.7	8.3	7.9	8.4	7.9
165.0	8.0	8.7	8.3	8.6	6.9	7.6	8.4	7.7	9.0	8.1
180.0	7.9	8.6	9.2	8.2	7.4	7.2	8.8	7.9	9.3	8.1
195.0	7.7	8.4	8.8	8.8	8.3	8.0	8.8	9.1	10.1	7.8
210.0	8.4	9.0	9.2	9.5	8.1	8.8	8.9	9.0	9.8	8.7
225.0	8.6	8.3	9.3	8.8	8.7	8.8	9.0	9.3	9.5	8.1
240.0	8.0	9.8	8.9	9.0	8.9	8.9	8.8	9.3	10.3	8.3
255.0	9.7	10.2	9.6	11.2	10.4	10.2	9.8	9.8	11.5	10.0
270.0	12.6	12.3	11.9	14.1	11.5	11.9	11.9	12.6	11.4	11.3
AVG %	7.8	8.4	8.3	8.3	7.9	7.7	8.4	8.4	8.9	8.0
WASTE %	8.1	8.8	9.1	8.9	8.3	8.3	8.8	8.9	9.8	8.2
STRG cm	21.5	23.1	22.9	22.7	21.7	21.3	23.0	23.2	24.5	22.0
AVG STRG	22.60±0.97									

DATE: 01-05-89
 DAY: 1831
 PROBE: 6031 STANDARD COUNTS: 8432

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.6	0.0	0.5	0.0	0.0	0.1	0.3	1.4	0.0	0.0
15.0	4.7	4.6	4.3	4.3	3.1	5.1	5.2	5.7	3.8	3.3
30.0	8.0	8.3	8.0	7.9	8.8	8.4	8.6	8.9	8.5	8.9
45.0	8.3	9.9	8.7	9.2	9.7	8.8	9.1	9.6	9.7	9.6
60.0	8.9	9.1	8.3	8.8	8.7	8.7	8.5	9.6	9.4	9.7
75.0	8.1	8.2	6.9	6.9	7.5	9.1	8.5	8.6	8.3	8.1
90.0	7.5	8.0	6.8	7.0	8.5	7.7	7.6	8.1	8.0	6.7
105.0	6.8	7.8	7.3	6.6	8.3	6.8	6.9	7.0	7.3	6.9
120.0	6.6	7.2	7.7	7.8	7.0	6.7	7.8	7.8	6.9	6.9
135.0	6.6	7.4	8.3	7.2	6.8	7.1	7.7	7.3	8.0	7.3
150.0	7.2	8.6	8.3	7.9	6.8	7.3	8.2	7.6	8.9	8.0
165.0	7.4	8.0	8.8	8.8	7.1	7.5	8.2	7.7	9.3	7.9
180.0	7.9	8.1	8.9	8.5	6.7	7.9	8.3	8.1	8.8	8.1
195.0	8.0	8.0	9.0	8.0	7.6	8.2	8.7	8.9	10.1	8.0
210.0	8.2	8.4	9.9	8.4	8.0	8.5	8.4	9.2	10.1	7.9
225.0	7.9	8.9	9.1	8.4	8.8	8.6	9.0	9.9	9.7	8.2
240.0	8.6	9.1	9.3	8.5	8.5	9.5	8.5	9.5	10.3	8.9
255.0	9.6	10.0	10.2	10.4	9.7	9.2	8.8	9.4	10.7	10.0
270.0	11.5	12.3	12.7	13.3	11.3	12.3	11.1	12.2	12.0	12.5
AVG %	7.9	8.4	8.5	8.1	8.0	8.1	8.3	8.6	9.0	8.2
WASTE %	8.1	8.5	9.2	8.4	7.9	8.5	8.6	9.1	9.8	8.2
STRG cm	21.6	23.2	23.3	22.4	22.1	22.4	22.8	23.6	24.7	22.6
AVG STRG	22.87±0.88									

DATE: 01-17-89
 DAY: 1843
 PROBE: 6031 STANDARD COUNTS: 8384

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
15.0	3.9	3.9	3.8	3.8	3.1	4.3	4.3	4.8	2.9	2.1
30.0	8.5	8.8	8.7	8.6	8.9	9.3	9.1	9.4	8.9	8.5
45.0	9.8	9.6	9.5	9.9	10.0	9.9	9.8	10.9	11.2	10.7
60.0	10.0	9.6	9.4	8.9	9.3	8.8	10.3	9.8	10.4	10.6
75.0	8.8	8.5	8.3	7.9	8.6	8.8	8.5	8.5	9.1	8.9
90.0	7.1	7.9	7.7	7.3	8.7	8.4	7.4	8.0	8.8	7.6
105.0	7.1	7.9	8.3	6.7	8.3	7.0	7.7	7.9	8.2	6.4
120.0	6.9	7.6	7.8	7.4	7.4	6.9	7.9	7.7	7.5	6.7
135.0	6.5	7.7	8.2	7.1	6.9	6.9	8.7	7.7	8.0	6.8
150.0	7.4	8.0	8.1	7.3	7.3	7.2	8.7	8.0	8.3	8.1
165.0	7.8	8.0	9.2	7.8	6.8	7.2	8.7	8.0	8.8	8.5
180.0	8.0	9.0	8.4	8.0	7.2	7.5	8.7	8.1	9.3	7.9
195.0	8.5	8.5	9.8	7.8	7.6	8.0	8.3	9.1	9.4	8.5
210.0	8.4	8.9	9.3	8.7	8.5	8.1	8.8	9.9	9.8	8.7
225.0	8.0	8.0	10.0	8.2	8.5	8.6	8.8	9.1	10.1	7.8
240.0	9.1	9.1	9.5	9.0	8.4	8.8	8.3	10.2	9.7	9.1
255.0	9.0	9.7	9.6	10.1	9.7	9.3	9.7	10.2	11.0	10.3
270.0	12.3	12.0	11.7	13.1	11.4	11.7	11.9	12.9	12.1	11.4
AVG %	8.2	8.5	8.9	8.2	8.3	8.2	8.7	8.9	9.3	8.4
WASTE %	8.4	8.7	9.4	8.3	8.0	8.2	8.6	9.3	9.6	8.4
STRG cm	22.5	23.5	24.4	22.5	22.7	22.5	24.0	24.6	25.5	23.2
AVG STRG	23.54±1.06									

DATE: 01-30-89
 DAY: 1856
 PROBE: 6031 STANDARD COUNTS: 8436

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	3.1	3.2	3.2	3.8	2.6	3.3	3.4	4.3	2.6	1.2
30.0	7.8	8.2	7.8	7.9	7.3	8.1	8.0	8.8	8.1	7.4
45.0	9.0	10.1	8.5	9.0	9.8	9.1	9.5	9.9	9.9	9.9
60.0	10.3	10.5	9.6	9.7	10.2	9.6	9.8	10.1	10.6	10.2
75.0	9.5	9.0	8.0	8.4	9.7	9.9	9.1	10.0	10.4	9.6
90.0	7.7	8.3	7.6	7.4	9.6	9.1	7.7	8.5	9.7	8.3
105.0	7.2	7.7	7.7	6.7	8.7	8.1	7.2	8.5	8.0	7.5
120.0	6.4	7.8	8.3	7.0	6.7	6.8	7.0	7.7	7.3	6.7
135.0	6.9	7.8	7.6	7.5	7.0	7.1	7.7	7.8	7.5	6.9
150.0	7.4	7.7	8.5	7.4	7.6	7.3	7.9	7.9	8.0	8.2
165.0	7.4	8.4	8.4	8.2	6.6	6.9	8.2	7.7	9.3	7.7
180.0	8.2	8.7	8.0	7.8	6.9	7.3	8.2	8.1	8.5	8.2
195.0	8.1	7.9	8.7	8.3	7.6	7.8	8.9	8.5	9.4	8.2
210.0	7.8	8.6	9.1	7.9	8.1	8.3	8.4	9.1	9.6	8.4
225.0	7.8	8.5	8.5	8.3	7.9	9.0	8.0	9.4	9.6	8.5
240.0	8.2	8.9	9.4	8.8	8.5	9.3	8.1	9.4	9.9	9.0
255.0	8.8	10.3	9.4	9.9	9.3	9.5	9.2	9.6	10.8	10.7
270.0	11.6	12.6	11.9	13.3	11.7	11.7	11.4	12.0	11.2	11.8
AVG %	8.0	8.7	8.4	8.1	8.2	8.3	8.3	8.8	9.2	8.5
WASTE %	8.0	8.5	8.8	8.2	7.8	8.3	8.3	8.9	9.4	8.5
STRG cm	22.1	23.8	23.3	22.4	22.6	22.9	22.9	24.2	25.2	23.3
AVG STRG	23.27±0.94									

DATE: 03-03-89
 DAY: 1888
 PROBE: 6031 STANDARD COUNTS: 8414

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	4.4	3.9	3.9	3.5	3.1	4.6	4.5	4.4	3.0	2.1
30.0	9.1	8.9	8.3	8.9	9.2	9.3	8.6	9.3	8.5	8.5
45.0	10.4	10.9	10.3	9.8	10.2	10.6	10.1	10.8	10.5	10.3
60.0	11.9	11.8	10.8	10.9	12.1	11.6	10.7	10.7	12.0	10.6
75.0	11.1	11.6	11.3	10.8	12.1	11.7	10.6	11.5	12.0	10.9
90.0	10.8	11.5	12.0	11.4	12.9	12.0	11.6	11.6	12.2	11.4
105.0	9.7	10.5	12.6	11.1	14.0	10.5	12.3	11.5	11.9	11.6
120.0	9.7	9.9	12.6	11.6	12.1	9.0	12.2	11.2	11.5	12.7
135.0	8.9	9.8	12.0	10.3	10.8	9.1	13.0	11.1	10.8	12.2
150.0	8.1	9.3	12.1	11.3	8.8	9.0	12.0	11.8	11.7	12.0
165.0	9.0	8.9	11.8	11.7	7.7	7.8	11.2	11.1	11.3	12.8
180.0	9.1	9.2	10.6	11.2	8.0	8.7	11.0	10.9	11.1	11.6
195.0	9.2	9.0	10.7	11.4	8.1	8.5	10.9	10.7	11.5	12.0
210.0	8.4	9.7	9.6	11.1	8.7	9.0	10.1	9.9	11.3	11.3
225.0	9.1	9.5	9.2	10.5	9.0	9.9	9.5	9.4	10.6	11.0
240.0	8.9	10.0	9.2	9.9	9.3	9.7	8.8	9.6	10.5	11.5
255.0	9.8	10.7	10.2	11.1	10.3	10.4	10.1	10.2	11.3	12.9
270.0	12.6	13.2	11.4	14.0	12.6	12.1	12.2	12.4	12.7	13.7
AVG %	9.6	10.1	10.8	10.8	10.2	9.8	10.8	10.7	11.2	11.5
WASTE %	9.0	9.5	9.9	10.8	8.6	9.2	10.1	10.1	11.0	11.5
STRG cm	26.4	27.7	29.8	29.7	28.1	27.0	29.7	29.5	30.7	31.5
AVG STRG	29.02±1.66									

DATE: 03-21-89
 DAY: 1906
 PROBE: 6031 STANDARD COUNTS: 8349

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
15.0	3.9	3.8	4.0	4.2	3.3	3.8	3.9	4.9	3.1	3.0
30.0	8.7	9.3	9.1	9.3	8.7	9.7	9.0	9.3	8.4	9.0
45.0	10.5	11.6	10.6	10.8	11.5	11.4	10.9	10.9	11.1	10.8
60.0	11.7	11.6	11.1	11.2	12.2	10.2	11.3	11.2	11.5	11.8
75.0	12.3	11.5	11.4	11.6	12.6	11.1	11.0	11.1	11.3	11.6
90.0	11.2	12.2	12.6	11.8	12.7	11.6	12.0	10.9	12.7	11.5
105.0	10.6	11.5	12.9	12.0	13.6	11.4	11.6	11.4	12.1	11.8
120.0	10.7	11.3	13.0	11.2	12.4	9.9	11.8	11.8	11.7	12.0
135.0	10.5	10.6	12.6	10.9	12.2	10.1	12.3	11.8	12.1	12.5
150.0	10.3	11.4	13.1	11.0	11.8	9.7	11.5	11.9	12.0	13.0
165.0	10.2	10.0	12.6	11.9	11.1	9.7	11.8	11.1	12.1	12.0
180.0	10.0	10.9	12.5	11.8	10.3	9.2	12.5	12.5	12.0	11.9
195.0	9.4	11.0	11.9	12.2	9.8	8.9	12.4	12.5	12.3	12.7
210.0	9.8	10.4	11.6	12.8	8.6	9.4	11.9	12.6	12.7	12.2
225.0	9.3	9.6	12.1	12.7	9.1	9.1	12.5	12.6	11.7	11.8
240.0	9.1	10.5	11.6	12.6	9.7	9.4	12.1	12.0	12.3	11.7
255.0	10.4	11.6	11.3	13.1	10.6	10.8	12.6	11.6	13.0	13.8
270.0	13.7	13.3	12.1	15.5	12.6	13.2	12.7	13.3	13.0	14.1
AVG %	10.3	10.9	11.9	11.7	11.1	10.1	11.7	11.6	11.8	11.9
WASTE %	9.5	10.5	11.9	12.4	9.5	9.2	12.3	12.4	12.2	12.0
STRG cm	28.3	30.1	32.7	32.1	30.4	27.8	32.2	31.9	32.5	32.7
AVG STRG	31.07±1.83									

DATE: 05-04-89
 DAY: 1950
 PROBE: 6031 STANDARD COUNTS: 8345

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	3.1	2.9	2.5	2.4	1.5	2.8	2.9	3.2	1.7	1.9
30.0	7.7	8.2	6.8	7.9	7.7	8.1	8.3	8.9	7.7	7.6
45.0	9.5	10.3	9.4	9.3	9.1	8.4	9.6	9.4	9.9	9.2
60.0	10.2	10.3	10.0	9.4	9.7	9.2	9.9	9.4	10.5	9.5
75.0	10.4	10.0	10.5	9.5	8.9	9.5	9.4	9.8	10.7	9.7
90.0	9.7	11.1	10.4	10.1	9.6	9.4	9.8	9.2	10.6	9.6
105.0	9.8	9.9	11.0	10.0	10.8	8.8	10.3	9.6	11.1	10.0
120.0	9.2	10.5	11.1	9.3	10.1	8.5	10.4	9.6	10.5	10.7
135.0	9.2	10.3	10.8	9.8	9.1	9.5	10.4	9.6	10.5	10.3
150.0	9.9	10.5	11.3	9.8	9.2	10.1	9.9	10.1	11.3	10.9
165.0	10.2	10.9	11.8	10.9	9.9	10.1	10.9	10.2	11.7	10.4
180.0	10.1	10.9	11.7	9.7	10.4	9.9	10.9	10.9	11.7	10.4
195.0	10.3	10.9	12.0	10.8	10.6	10.3	11.3	12.2	12.2	11.4
210.0	10.6	10.7	12.1	11.6	11.1	10.1	11.1	12.2	12.6	10.9
225.0	11.3	10.7	11.7	11.5	10.5	11.1	12.0	11.9	11.6	11.1
240.0	10.7	11.4	12.6	12.0	11.0	11.0	11.4	12.5	11.9	11.9
255.0	11.7	11.8	12.3	12.8	11.5	11.6	12.2	12.4	12.5	11.9
270.0	13.5	13.8	14.4	15.8	14.0	13.0	13.1	13.7	13.4	13.5
AVG %	10.0	10.5	11.0	10.3	10.0	9.7	10.5	10.5	11.1	10.3
WASTE %	10.6	10.9	12.0	11.1	10.7	10.5	11.4	11.9	12.0	11.1
STRG cm	27.6	28.9	30.2	28.3	27.4	26.8	28.9	28.9	30.5	28.5
AVG STRG	28.59±1.16									

DATE: 05-16-89
 DAY: 1962
 PROBE: 6031 STANDARD COUNTS: 8359

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.2	1.2	1.2	1.3	0.9	1.2	1.6	2.1	0.0	0.0
30.0	6.9	7.3	6.5	6.6	6.3	6.9	6.9	7.0	6.2	6.1
45.0	9.4	9.2	9.1	8.6	8.7	8.7	9.1	9.0	8.9	8.4
60.0	10.4	10.5	10.1	9.5	9.2	8.2	9.6	9.7	10.1	9.9
75.0	10.6	10.1	10.2	10.2	9.5	9.3	8.8	9.5	10.1	8.7
90.0	10.0	9.8	9.9	10.1	10.2	9.3	10.2	9.5	10.3	8.6
105.0	9.4	9.9	10.7	9.5	10.6	8.4	10.2	9.3	10.8	9.4
120.0	9.7	9.4	10.8	9.6	9.7	8.5	10.0	9.8	10.6	9.2
135.0	9.8	10.1	10.6	9.5	9.4	8.7	10.1	9.7	9.9	9.6
150.0	10.2	10.3	11.4	10.3	9.2	9.5	10.3	9.8	11.2	9.9
165.0	10.3	10.4	11.7	10.5	9.3	9.9	10.0	10.1	11.4	10.6
180.0	10.0	10.6	11.4	10.5	9.9	8.8	10.8	10.6	11.6	10.1
195.0	10.2	11.2	11.3	11.4	10.4	9.5	11.4	11.9	11.4	10.5
210.0	10.0	10.9	11.7	10.8	10.6	9.6	11.4	11.6	12.0	10.8
225.0	10.2	10.2	11.4	11.0	10.9	9.9	11.7	12.3	11.7	10.5
240.0	10.8	11.4	11.5	12.0	11.3	10.4	11.4	12.4	12.0	11.4
255.0	11.5	12.4	12.4	12.8	11.6	10.9	11.4	12.7	12.9	12.4
270.0	13.6	13.8	14.2	14.4	13.5	12.9	13.4	14.8	13.7	13.7
AVG %	10.0	10.2	10.7	10.2	9.8	9.2	10.2	10.3	10.7	9.8
WASTE %	10.3	10.8	11.5	11.1	10.6	9.6	11.4	11.8	11.7	10.7
STRG cm	27.4	28.1	29.4	28.0	27.0	25.2	28.1	28.3	29.4	26.9
AVG STRG	27.79±1.25									

DATE: 05-31-89
 DAY: 1977
 PROBE: 6031 STANDARD COUNTS: 8341

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.2	1.2	1.2	1.4	0.9	1.2	1.6	2.1	0.0	0.0
30.0	6.9	7.3	6.6	6.7	6.3	6.9	6.9	7.0	6.2	6.2
45.0	9.4	9.2	9.1	8.7	8.7	8.7	9.2	9.1	8.9	8.4
60.0	10.4	10.6	10.1	9.5	9.3	8.3	9.7	9.8	10.1	9.9
75.0	10.6	10.1	10.2	10.2	9.5	9.4	8.8	9.5	10.1	8.8
90.0	10.0	9.9	9.9	10.1	10.3	9.4	10.2	9.5	10.3	8.7
105.0	9.5	9.9	10.8	9.5	10.6	8.4	10.2	9.3	10.9	9.5
120.0	9.8	9.4	10.9	9.6	9.7	8.5	10.1	9.9	10.6	9.3
135.0	9.9	10.2	10.7	9.6	9.5	8.8	10.2	9.7	9.9	9.7
150.0	10.2	10.3	11.4	10.4	9.3	9.6	10.3	9.8	11.2	9.9
165.0	10.4	10.5	11.7	10.6	9.4	10.0	10.1	10.1	11.5	10.7
180.0	10.0	10.6	11.5	10.5	10.0	8.8	10.8	10.7	11.6	10.2
195.0	10.3	11.2	11.3	11.4	10.4	9.5	11.5	11.9	11.4	10.5
210.0	10.1	10.9	11.8	10.9	10.6	9.6	11.4	11.6	12.1	10.8
225.0	10.3	10.2	11.5	11.0	10.9	10.0	11.8	12.3	11.8	10.5
240.0	10.9	11.5	11.6	12.1	11.3	10.5	11.5	12.5	12.1	11.5
255.0	11.5	12.4	12.5	12.9	11.7	11.0	11.5	12.7	13.0	12.5
270.0	13.6	13.8	14.3	14.5	13.6	13.0	13.4	14.9	13.7	13.8
AVG %	10.0	10.3	10.7	10.2	9.8	9.2	10.3	10.3	10.7	9.8
WASTE %	10.3	10.9	11.5	11.2	10.7	9.7	11.4	11.8	11.8	10.7
STRG cm	27.5	28.3	29.5	28.1	27.1	25.3	28.2	28.5	29.6	27.0
AVG STRG	27.91±1.25									

DATE: 06-13-89
 DAY: 1990
 PROBE: 6031 STANDARD COUNTS: 8349

DEPTH (cm)	1	2	% VOL WATER CONTENT		(cm/m)					
	3	4	5	6	7	8	9	10		
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.2	1.1	0.8	0.4	0.4	0.6	1.0	1.3	0.0	0.0
30.0	5.5	7.4	6.4	6.3	5.2	6.0	6.3	7.0	5.9	5.4
45.0	8.1	10.0	8.7	8.1	7.5	7.5	8.3	8.3	8.4	8.5
60.0	9.5	9.8	9.6	9.2	8.9	8.0	9.6	9.1	10.0	9.3
75.0	10.2	9.7	10.4	10.0	8.9	9.1	9.5	9.6	10.1	8.7
90.0	9.0	10.2	9.8	9.4	9.9	8.8	9.2	8.9	10.0	9.2
105.0	9.1	9.4	10.9	9.8	10.1	8.4	9.3	9.1	10.4	10.0
120.0	9.0	9.9	10.8	9.7	9.2	8.7	10.0	9.6	9.6	8.9
135.0	9.6	9.7	10.7	9.7	9.3	9.1	9.9	9.3	9.9	9.3
150.0	9.1	9.6	11.3	9.6	9.3	9.5	9.8	9.7	10.9	10.4
165.0	9.7	10.0	11.3	10.9	9.3	8.9	9.8	9.2	11.5	9.3
180.0	9.4	10.3	11.1	11.1	9.4	9.5	10.5	10.4	12.2	10.0
195.0	9.6	10.8	10.8	10.6	9.6	10.7	10.9	11.5	11.7	10.2
210.0	10.0	10.8	10.9	10.4	10.8	10.4	10.5	11.6	12.4	10.1
225.0	9.8	10.4	11.1	10.4	11.2	9.8	11.0	11.1	12.3	10.1
240.0	10.3	10.7	11.0	11.1	11.1	11.2	10.4	11.4	12.5	10.7
255.0	11.1	11.9	11.4	12.3	11.3	11.2	11.4	11.8	13.6	12.5
270.0	13.0	13.1	13.7	15.2	12.9	12.6	12.9	14.1	13.1	13.0
AVG %	9.3	10.0	10.4	9.9	9.4	9.2	9.8	9.8	10.7	9.5
WASTE %	9.8	10.6	11.0	10.7	10.4	10.3	10.7	11.2	12.2	10.2
STRG cm	25.7	27.6	28.6	27.3	26.0	25.3	26.9	27.1	29.5	26.2
AVG STRG	27.01±1.31									

DATE: 06-27-89
 DAY: 2004
 PROBE: 6031 STANDARD COUNTS: 8363

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.2	0.0	0.0	0.0	0.0	0.5	0.8	0.0	0.0
30.0	5.2	6.0	5.2	5.4	4.8	5.8	5.2	6.7	4.7	4.5
45.0	7.6	8.3	8.0	7.2	7.6	6.8	8.2	8.7	7.4	8.1
60.0	8.9	9.0	9.7	8.8	7.9	7.6	9.2	9.1	8.4	9.3
75.0	8.8	8.9	9.7	9.0	8.8	8.5	9.5	9.6	9.4	8.8
90.0	8.8	9.5	9.4	9.6	8.5	8.4	9.5	9.6	9.3	8.5
105.0	9.2	10.1	10.6	9.8	9.0	8.7	10.1	9.2	9.7	8.9
120.0	9.3	9.7	10.4	9.1	9.0	8.3	9.7	9.4	9.7	9.6
135.0	9.2	9.9	10.3	9.5	9.0	8.7	9.9	9.6	9.6	8.9
150.0	9.9	9.9	10.9	9.4	8.5	9.4	10.0	9.9	10.1	9.5
165.0	9.7	9.6	11.7	9.8	8.3	8.7	10.1	10.2	10.8	9.8
180.0	9.8	10.1	11.4	10.5	8.8	9.1	9.9	9.9	10.4	9.6
195.0	10.6	9.9	11.2	10.4	10.3	9.8	10.6	10.9	11.4	10.2
210.0	10.3	10.5	11.4	10.1	9.8	10.0	11.2	11.7	11.6	9.6
225.0	10.6	10.7	12.3	10.2	10.3	9.7	12.0	11.7	11.6	10.1
240.0	10.1	11.1	12.0	11.1	11.0	10.6	11.0	12.3	11.7	11.3
255.0	11.4	11.8	12.5	11.8	11.2	11.0	12.0	12.2	12.6	12.1
270.0	12.7	13.2	14.3	14.8	12.9	12.3	13.1	13.7	12.3	13.7
AVG %	9.3	9.7	10.4	9.5	8.9	8.8	9.9	10.0	9.9	9.3
WASTE %	10.3	10.5	11.7	10.5	10.0	9.9	10.9	11.3	11.3	10.1
STRG cm	25.7	26.7	28.7	26.1	24.6	24.3	27.2	27.6	27.2	25.6
AVG STRG	26.36±1.38									

DATE: 07-11-89
 DAY: 2018
 PROBE: 6031 STANDARD COUNTS: 8304

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
30.0	4.2	5.5	4.5	4.7	5.2	5.1	5.2	5.4	4.4	4.1
45.0	6.8	8.3	7.9	6.6	6.8	7.3	7.8	7.6	7.4	7.5
60.0	8.3	9.2	8.6	8.1	8.0	8.0	8.8	8.4	8.6	8.2
75.0	7.6	8.8	9.2	8.6	8.5	8.4	8.8	9.0	9.6	8.2
90.0	8.0	9.2	9.2	8.8	8.9	8.2	9.2	9.5	9.5	8.8
105.0	8.0	9.7	10.0	9.3	9.3	8.0	9.8	8.5	9.4	9.1
120.0	8.7	9.9	10.2	9.7	8.9	8.0	9.9	9.2	9.4	9.1
135.0	8.6	10.1	10.9	9.5	9.1	9.4	9.3	9.0	10.1	9.2
150.0	8.7	9.6	11.0	9.4	8.8	9.6	9.8	9.6	10.4	9.5
165.0	9.5	9.9	11.4	10.1	9.5	9.0	10.4	9.1	10.9	10.3
180.0	10.4	10.8	11.2	10.4	9.6	9.1	10.5	9.8	11.1	10.0
195.0	10.3	10.8	10.8	10.4	10.6	10.2	10.1	10.9	10.9	10.2
210.0	10.0	10.4	11.4	11.0	10.2	10.4	10.7	11.4	11.4	10.7
225.0	10.6	10.0	10.9	10.3	10.4	10.5	11.2	10.5	11.4	9.9
240.0	10.0	11.5	11.0	10.5	11.3	10.2	11.1	11.7	11.1	11.3
255.0	11.2	12.3	11.7	12.0	11.2	11.3	12.0	12.2	12.0	12.0
270.0	13.8	13.9	13.5	14.3	13.1	13.2	13.1	15.0	13.5	12.7
AVG %	8.8	9.8	10.0	9.3	9.1	8.9	9.7	9.5	9.9	9.3
WASTE %	10.2	10.7	11.1	10.5	10.4	10.1	10.7	10.9	11.2	10.4
STRG cm	24.2	26.8	27.5	25.7	25.2	24.5	26.6	26.1	27.1	25.5
AVG STRG	25.93±1.11									

DATE: 07-25-89
 DAY: 2032
 PROBE: 6031 STANDARD COUNTS: 8305

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.7	4.5	5.4	5.0	4.8	5.1	5.0	4.8	4.1	3.9
45.0	6.5	7.7	7.9	6.8	7.6	7.2	7.5	7.7	7.1	7.0
60.0	7.7	8.8	8.3	8.3	8.1	7.8	8.4	8.9	7.7	8.1
75.0	8.3	8.3	9.0	9.1	8.6	8.0	9.3	8.9	8.2	8.3
90.0	7.7	8.8	9.1	8.3	9.3	7.9	9.3	9.6	8.9	8.4
105.0	8.2	9.3	9.2	9.5	9.3	8.3	9.5	9.3	8.9	8.7
120.0	8.3	9.0	10.7	9.6	8.2	8.5	10.0	9.3	8.4	9.0
135.0	8.3	8.6	10.0	9.6	9.2	9.0	9.5	9.2	9.0	9.5
150.0	8.6	9.5	10.5	9.6	9.0	9.4	9.6	10.0	9.5	9.4
165.0	9.1	10.2	10.8	10.6	9.2	9.0	10.1	9.5	9.7	10.1
180.0	9.4	9.5	11.4	9.6	9.3	9.4	10.0	9.9	9.8	9.7
195.0	9.6	10.6	11.3	10.1	10.9	9.5	10.3	11.1	11.0	9.9
210.0	9.1	10.7	11.3	10.9	10.3	9.5	10.8	11.8	11.1	10.0
225.0	10.2	10.7	11.3	10.9	10.6	9.5	11.1	10.8	10.8	10.2
240.0	9.8	10.9	11.5	11.5	11.2	10.6	11.2	11.5	11.9	10.2
255.0	11.3	11.9	12.2	12.6	11.5	10.9	11.3	12.2	12.5	12.0
270.0	12.4	13.3	13.4	15.5	14.0	13.2	13.3	14.4	12.9	12.7
AVG %	8.5	9.3	10.0	9.5	9.2	8.7	9.6	9.6	9.3	9.0
WASTE %	9.6	10.5	11.3	10.6	10.5	9.7	10.7	11.0	10.9	10.0
STRG cm	23.3	25.6	27.5	26.1	25.3	24.0	26.3	26.6	25.5	24.9
AVG STRG	25.52±1.23									

DATE: 08-11-89
 DAY: 2049
 PROBE: 6031 STANDARD COUNTS: 8313

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.7	2.6	1.7	2.6	1.2	1.9	2.4	1.9	1.1	1.2
30.0	4.9	6.5	6.1	6.6	5.4	6.1	6.4	6.2	5.8	5.7
45.0	6.3	7.4	6.8	6.7	7.1	6.7	7.4	7.6	6.7	7.5
60.0	7.2	7.9	8.0	7.1	7.3	7.1	7.9	8.2	7.7	8.0
75.0	7.2	8.4	8.5	7.9	7.7	7.8	8.6	7.9	8.6	7.7
90.0	7.5	8.2	8.0	8.1	9.1	8.0	9.2	8.2	8.2	8.1
105.0	6.9	8.7	8.7	8.3	8.1	8.2	9.0	8.2	8.4	8.2
120.0	7.7	8.3	9.6	8.7	7.9	8.2	9.6	8.8	8.6	8.7
135.0	7.8	8.0	10.1	8.7	7.8	8.7	9.4	8.9	8.8	8.6
150.0	8.9	9.2	10.0	8.3	8.3	9.0	9.2	9.1	9.1	8.6
165.0	8.2	8.4	10.5	9.3	8.9	9.1	9.3	9.1	9.3	8.6
180.0	8.6	8.7	10.3	9.3	8.9	9.9	10.1	9.2	10.1	9.0
195.0	7.7	9.7	10.5	9.3	9.9	9.7	10.3	10.2	9.6	9.7
210.0	8.6	9.6	11.5	9.0	9.9	10.5	9.9	11.1	10.2	9.5
225.0	8.7	9.5	10.7	9.6	10.9	10.2	9.8	11.1	10.6	9.4
240.0	9.8	9.9	11.4	10.0	10.9	10.4	10.3	10.8	11.5	10.5
255.0	10.2	11.5	11.7	11.6	11.1	11.5	11.0	11.6	11.7	11.6
270.0	12.5	13.0	14.1	14.1	12.3	14.0	12.8	13.6	13.1	13.4
AVG %	7.9	8.7	9.5	8.7	8.7	8.8	9.2	9.1	9.1	8.7
WASTE %	8.7	9.5	10.9	9.4	10.1	10.1	10.1	10.5	10.4	9.6
STRG cm	21.7	24.1	26.2	23.8	24.0	24.2	25.3	25.2	24.9	24.0
AVG STRG	24.34±1.20									

DATE: 08-30-89
 DAY: 2068
 PROBE: 6031 STANDARD COUNTS: 8316

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.7	0.6	0.3	0.6	0.4	0.8	0.6	0.0	0.0
30.0	4.3	5.2	5.4	5.0	5.2	5.4	5.2	5.0	5.2	4.5
45.0	5.8	7.0	7.6	6.4	7.6	7.3	7.0	7.2	7.0	6.8
60.0	6.9	7.4	8.1	7.4	7.3	7.5	7.2	7.1	7.9	7.6
75.0	7.0	7.9	8.1	8.0	7.4	7.3	7.8	7.6	8.2	6.8
90.0	6.5	8.4	9.5	8.3	7.8	7.9	8.5	7.4	8.6	7.7
105.0	7.2	8.3	9.5	8.2	8.2	8.1	9.0	8.4	8.6	8.2
120.0	6.7	8.5	9.7	8.3	7.6	8.0	9.0	7.9	8.2	8.1
135.0	7.6	8.2	10.3	7.6	7.6	8.2	8.7	7.7	8.0	7.8
150.0	8.0	8.9	10.2	8.0	7.7	9.0	9.2	7.9	8.5	8.9
165.0	8.0	8.9	10.2	8.7	8.2	8.9	9.8	7.8	9.6	9.0
180.0	8.8	9.3	10.1	8.9	8.3	9.1	9.3	9.1	10.0	8.8
195.0	8.2	9.3	10.9	9.7	9.4	9.8	10.0	10.2	10.0	8.7
210.0	8.1	9.2	10.7	8.9	9.6	10.1	10.0	10.1	10.7	8.8
225.0	8.0	9.2	10.3	9.2	10.2	10.2	10.4	10.8	9.8	8.8
240.0	8.3	10.4	10.7	9.3	10.4	10.5	9.9	10.2	10.3	9.4
255.0	9.7	11.4	10.9	10.5	10.3	11.0	10.6	10.6	11.1	11.6
270.0	12.9	13.5	13.4	13.7	12.2	13.8	12.2	13.7	11.9	12.1
AVG %	7.4	8.6	9.5	8.3	8.3	8.6	8.9	8.4	8.9	8.2
WASTE %	8.3	9.5	10.5	9.2	9.6	9.9	9.9	10.1	10.2	8.9
STRG cm	20.5	23.6	26.2	22.8	22.8	23.8	24.4	23.2	24.4	22.6
AVG STRG	23.43±1.48									

DATE: 09-14-89
 DAY: 2083
 PROBE: 6031 STANDARD COUNTS: 8349

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
30.0	4.1	4.8	4.2	4.6	4.2	4.3	4.7	4.7	4.0	4.5
45.0	6.2	6.8	6.6	6.3	6.3	6.0	6.8	6.5	6.3	6.6
60.0	6.6	6.8	7.2	6.9	6.8	6.1	8.2	7.6	7.4	7.4
75.0	7.5	7.6	7.3	6.8	6.7	6.8	8.5	7.1	7.7	7.2
90.0	7.7	8.0	7.3	7.5	7.3	6.9	9.2	7.7	8.5	7.9
105.0	7.4	8.1	7.8	7.8	7.7	6.8	9.0	7.8	8.2	8.2
120.0	7.5	8.1	8.5	8.1	7.0	6.7	9.6	7.1	7.6	8.1
135.0	7.5	7.7	8.6	8.2	7.6	8.0	9.5	7.7	7.9	8.6
150.0	8.1	8.2	8.3	7.8	8.3	9.1	9.9	7.9	8.9	9.1
165.0	8.3	8.7	8.9	7.9	7.6	8.6	9.8	7.8	9.5	9.4
180.0	8.4	8.1	8.8	8.8	8.0	8.0	10.2	8.5	9.3	9.0
195.0	8.1	8.2	9.0	8.5	8.7	8.9	10.3	9.2	10.5	9.4
210.0	8.8	9.3	9.3	8.9	9.4	9.4	10.5	9.7	9.8	9.7
225.0	8.7	8.5	9.5	9.3	9.8	9.7	10.3	9.5	10.6	8.7
240.0	9.0	9.8	9.4	9.2	10.1	9.6	10.9	10.0	10.3	9.8
255.0	10.0	10.3	10.6	10.7	9.9	10.0	12.1	9.7	10.8	10.9
270.0	12.8	12.2	12.3	13.2	12.1	12.3	13.3	13.0	12.1	13.1
AVG %	7.7	8.1	8.2	8.0	7.8	7.8	9.3	8.0	8.6	8.4
WASTE %	8.6	8.8	9.2	8.9	9.2	9.1	10.4	9.4	10.1	9.3
STRG cm	21.3	22.2	22.6	21.9	21.6	21.5	25.7	22.1	23.6	23.1
AVG STRG	22.57±1.33									

DATE: 10-02-89
 DAY: 2101
 PROBE: 6031 STANDARD COUNTS: 8364

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.6	4.5	4.1	3.9	4.7	4.6	4.3	4.2	3.9	3.6
45.0	5.8	6.4	5.5	6.1	6.0	5.7	6.1	6.0	5.6	6.0
60.0	6.7	7.4	6.9	7.2	6.8	6.5	7.4	6.8	7.2	7.3
75.0	6.2	7.8	7.6	7.1	6.8	6.8	7.5	7.5	8.1	7.2
90.0	5.9	7.7	7.5	7.9	7.7	7.0	8.4	7.5	7.6	7.7
105.0	6.5	8.2	8.1	8.7	7.6	7.4	8.9	7.8	7.9	7.1
120.0	6.9	7.9	8.8	7.9	7.4	7.8	9.1	7.9	7.7	8.0
135.0	6.9	8.1	8.1	8.1	7.4	7.1	8.7	7.5	8.0	8.5
150.0	7.7	8.7	8.5	8.2	7.7	8.7	9.4	7.7	8.8	8.5
165.0	8.4	8.1	9.0	8.9	6.9	9.0	9.4	7.8	9.0	8.3
180.0	7.9	8.3	8.6	9.6	8.0	8.7	9.5	7.9	9.8	8.3
195.0	8.7	8.9	8.7	8.2	8.7	9.2	10.0	9.1	9.4	8.6
210.0	8.5	9.0	9.1	8.5	9.7	9.4	9.6	9.3	9.8	8.5
225.0	8.3	8.5	9.4	8.6	9.6	9.0	10.4	8.8	10.3	8.3
240.0	8.5	9.4	9.9	8.9	10.3	10.1	10.4	9.3	10.1	8.4
255.0	9.8	10.6	9.8	10.0	13.7	9.9	11.6	9.9	11.4	11.0
270.0	12.6	13.1	12.5	13.0	15.0	11.7	13.8	11.9	12.3	11.6
AVG %	7.3	8.1	8.1	8.0	8.1	7.9	8.8	7.8	8.4	7.8
WASTE %	8.4	8.8	9.1	8.8	9.3	9.3	10.0	8.9	9.9	8.4
STRG cm	20.0	22.3	22.3	22.0	22.2	21.8	24.2	21.5	23.1	21.6
AVG STRG	22.10±1.08									

DATE: 10-19-89
 DAY: 2118
 PROBE: 6031 STANDARD COUNTS: 8413

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.1	4.3	4.3	4.1	3.5	3.9	4.1	4.1	3.8	3.1
45.0	5.3	6.0	6.2	5.7	5.6	5.7	5.5	6.0	5.4	6.5
60.0	6.2	7.1	7.0	6.5	6.4	6.6	7.0	6.9	6.8	7.0
75.0	6.1	6.7	6.6	6.4	6.7	7.0	7.4	6.9	7.4	7.2
90.0	6.2	7.0	7.2	6.7	7.5	7.4	8.2	7.0	8.0	7.1
105.0	6.1	7.7	7.8	7.7	7.1	6.5	8.7	7.6	8.4	7.7
120.0	6.5	7.1	8.4	7.6	7.0	7.1	8.7	7.5	7.6	7.4
135.0	6.5	7.5	8.8	7.7	6.8	7.4	8.7	7.8	7.6	7.7
150.0	6.9	7.9	9.4	7.7	7.4	7.4	8.4	7.7	8.9	8.7
165.0	8.0	8.2	9.3	9.0	7.2	8.2	8.9	7.5	8.7	8.3
180.0	7.8	8.8	9.3	8.8	7.8	8.5	9.2	7.5	8.9	8.2
195.0	7.7	8.7	10.0	8.3	8.5	8.5	9.1	8.6	9.3	8.8
210.0	8.0	9.4	9.5	8.9	8.9	9.1	10.0	9.1	9.8	9.0
225.0	7.7	8.3	9.3	8.3	8.9	9.1	9.8	9.3	10.0	8.6
240.0	7.7	9.8	10.0	9.5	9.7	9.6	9.6	9.4	10.1	9.1
255.0	9.5	10.8	11.6	10.6	9.6	9.5	10.6	9.7	11.2	10.8
270.0	11.4	12.5	13.2	13.1	11.5	12.0	12.6	12.4	12.6	13.2
AVG %	6.8	7.8	8.4	7.7	7.4	7.6	8.4	7.7	8.2	7.8
WASTE %	7.8	9.0	9.6	8.8	8.8	9.0	9.5	8.8	9.6	8.7
STRG cm	18.8	21.5	23.2	21.3	20.4	20.9	23.0	21.1	22.7	21.5
AVG STRG	21.44±1.32									

DATE: 11-08-89
 DAY: 2138
 PROBE: 6031 STANDARD COUNTS: 8419

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.3	0.2	0.7	0.7	0.3	0.7	0.6	1.4	0.2	0.0
30.0	4.3	5.2	4.7	4.5	4.9	4.7	4.9	5.5	4.9	4.7
45.0	5.3	6.0	5.9	5.8	5.9	5.9	6.2	6.5	6.0	6.5
60.0	5.9	6.8	6.5	6.6	5.7	6.4	7.1	7.3	7.4	6.9
75.0	6.4	7.0	6.3	6.5	6.0	6.4	7.5	7.4	7.0	7.0
90.0	5.9	7.0	7.0	6.7	6.8	6.9	7.4	7.4	8.2	7.0
105.0	6.3	7.2	8.3	7.4	6.8	6.3	8.0	7.7	7.5	8.0
120.0	6.6	8.1	8.3	7.6	7.4	6.7	8.3	7.7	8.2	7.6
135.0	6.5	8.4	8.7	7.3	6.8	7.4	8.3	7.9	7.9	8.3
150.0	7.7	7.8	8.3	7.6	6.8	7.3	8.6	8.1	8.7	8.7
165.0	7.8	8.4	8.6	8.3	7.0	7.5	9.1	7.3	8.7	8.7
180.0	8.2	8.5	9.0	8.0	7.0	7.6	9.0	7.9	9.0	8.3
195.0	7.4	8.2	9.7	8.7	7.9	8.9	9.3	9.2	9.5	8.7
210.0	8.3	8.5	9.6	8.4	8.1	8.9	9.5	8.9	9.9	8.8
225.0	8.0	8.9	9.3	8.0	8.3	8.9	10.2	9.4	9.7	8.7
240.0	8.5	9.2	10.0	9.1	9.2	9.3	9.7	9.4	9.8	10.0
255.0	9.0	11.5	10.0	10.8	9.5	10.3	10.9	9.4	10.4	11.2
270.0	12.1	12.5	12.3	13.3	11.4	12.0	12.6	12.6	12.2	13.3
AVG %	7.0	7.9	8.1	7.6	7.1	7.5	8.4	7.9	8.3	8.1
WASTE %	8.1	8.7	9.5	8.4	8.1	8.7	9.5	9.0	9.6	8.9
STRG cm	19.3	21.8	22.4	20.9	19.6	20.6	23.0	21.8	22.8	22.2
AVG STRG	21.44±1.31									

DATE: 12-19-89
 DAY: 2179
 PROBE: 6031 STANDARD COUNTS: 8392

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	3.8	2.9	2.8	3.3	2.2	3.0	3.7	3.9	1.5	1.5
30.0	8.1	8.2	8.0	8.1	7.8	8.5	8.6	8.8	8.2	8.4
45.0	10.4	9.3	9.9	8.8	9.6	9.2	9.2	9.8	10.6	10.0
60.0	10.5	9.2	9.4	7.9	9.4	9.8	9.9	9.7	10.8	10.6
75.0	8.4	8.1	8.0	6.8	8.4	9.2	8.4	7.8	8.9	9.3
90.0	7.1	7.4	7.1	6.9	7.9	7.9	7.5	7.2	8.1	7.5
105.0	6.9	7.3	7.2	6.8	8.0	7.6	7.8	6.6	7.6	7.8
120.0	6.8	7.3	8.1	7.2	6.5	6.9	8.7	7.4	7.8	7.2
135.0	7.2	7.7	8.6	7.3	6.5	7.7	8.2	7.6	7.2	7.6
150.0	7.8	7.4	7.9	7.7	7.2	7.8	8.8	7.2	8.5	7.9
165.0	8.8	7.3	9.3	8.1	7.0	7.7	8.9	7.5	8.4	8.5
180.0	8.5	7.7	8.7	7.8	7.2	7.7	9.0	8.4	8.8	8.8
195.0	8.4	8.1	8.9	8.8	8.3	7.6	9.4	8.4	9.0	8.7
210.0	8.1	8.0	10.0	8.7	7.7	8.9	9.0	8.6	9.8	8.6
225.0	8.7	8.3	9.1	8.7	8.5	9.2	9.1	8.5	9.6	8.6
240.0	8.9	9.5	9.7	9.6	9.2	9.6	9.3	9.3	10.0	8.8
255.0	10.4	9.9	10.2	10.9	9.7	9.4	10.9	9.6	10.5	10.6
270.0	12.7	12.3	13.8	14.5	12.2	12.4	12.2	12.9	11.5	11.6
AVG %	8.4	8.2	8.8	8.1	8.1	8.4	8.9	8.3	9.0	8.7
WASTE %	8.5	8.3	9.3	8.8	8.2	8.6	9.2	8.7	9.4	8.7
STRG cm	23.2	22.5	24.1	22.4	22.2	23.2	24.5	22.8	24.7	23.9
AVG STRG	23.36±0.91									

DATE: 01-03-90
 DAY: 2194
 PROBE: 6031 STANDARD COUNTS: 8411

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	3.3	2.7	3.0	3.6	2.6	2.7	3.9	3.4	2.3	2.0
30.0	6.9	7.5	7.5	8.3	7.6	7.9	9.0	8.6	7.7	7.6
45.0	8.8	9.7	9.2	9.6	9.4	9.7	9.7	9.7	9.9	10.3
60.0	8.9	9.3	9.0	9.0	10.0	9.3	10.3	9.6	10.1	10.5
75.0	8.5	8.4	8.5	8.0	9.6	9.2	9.5	8.6	9.9	9.2
90.0	7.4	7.3	7.3	7.4	9.2	8.7	8.1	7.6	7.9	7.8
105.0	6.7	7.6	8.2	7.5	8.0	8.7	8.2	7.1	7.7	7.6
120.0	6.4	6.8	7.9	7.7	6.9	7.9	8.3	7.4	7.3	7.2
135.0	6.2	7.5	8.0	8.1	6.7	7.7	8.8	6.9	7.8	7.7
150.0	6.9	7.6	8.0	7.8	7.3	7.8	8.5	7.6	8.1	8.0
165.0	7.4	8.3	8.9	8.9	7.1	7.7	8.5	7.3	8.5	8.4
180.0	8.4	8.0	8.8	8.3	7.1	7.8	9.0	7.7	8.8	8.0
195.0	8.0	8.4	8.9	8.5	7.6	8.6	8.9	8.5	9.6	8.1
210.0	7.5	8.2	9.5	8.2	8.5	8.9	9.5	8.5	9.7	7.8
225.0	7.7	8.3	9.3	8.4	8.7	9.0	9.9	9.1	9.5	8.3
240.0	7.7	9.3	9.1	8.5	9.2	9.9	9.5	9.5	9.6	8.8
255.0	9.1	10.9	10.6	10.3	9.3	10.2	10.4	10.0	11.0	10.7
270.0	11.7	12.8	12.9	13.6	11.9	12.8	12.3	12.2	11.9	12.1
AVG %	7.7	8.3	8.7	8.4	8.3	8.7	9.1	8.3	8.9	8.5
WASTE %	7.9	8.4	9.1	8.4	8.2	8.8	9.4	8.6	9.4	8.2
STRG cm	21.1	22.9	23.9	23.1	22.8	23.9	25.1	23.0	24.6	23.4
AVG STRG	23.37±1.12									

DATE: 02-21-90
 DAY: 2243
 PROBE: 6031 STANDARD COUNTS: 8405

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
15.0	3.6	4.0	3.2	4.1	2.7	3.3	4.3	4.5	2.6	3.8
30.0	8.0	8.2	8.2	8.4	8.4	8.1	8.4	8.3	7.9	8.3
45.0	9.6	10.0	9.1	9.4	8.7	8.9	9.0	9.7	9.9	10.0
60.0	10.7	10.1	10.2	10.1	10.1	8.7	9.8	10.3	9.6	10.4
75.0	10.8	10.8	10.0	9.8	9.5	10.0	10.4	10.5	10.9	10.2
90.0	9.8	10.2	10.1	10.3	10.7	9.6	9.6	10.3	11.1	10.2
105.0	8.9	9.3	10.0	9.0	10.1	9.0	9.8	9.4	10.1	10.6
120.0	8.1	7.9	8.7	7.6	9.9	8.0	9.3	8.6	9.9	9.7
135.0	6.9	7.0	8.1	7.5	9.2	8.8	8.5	8.0	8.4	8.9
150.0	7.5	7.1	8.0	7.7	8.0	8.6	8.7	7.2	8.2	8.6
165.0	7.4	7.9	9.0	8.8	7.6	7.7	7.8	7.8	8.3	8.1
180.0	7.9	7.7	8.6	8.7	7.4	7.7	8.4	8.1	7.8	8.0
195.0	7.5	8.2	8.9	9.1	7.7	7.1	8.5	9.1	8.9	8.0
210.0	8.2	8.1	9.6	8.7	8.3	8.0	8.4	9.1	9.1	7.8
225.0	7.5	7.9	9.3	8.8	8.4	8.3	8.7	9.3	9.3	7.9
240.0	7.4	8.7	9.4	8.8	8.7	8.6	8.3	9.8	9.7	8.8
255.0	9.4	10.8	9.7	11.1	9.5	9.6	9.5	10.5	10.7	10.1
270.0	12.2	12.2	12.8	15.1	11.9	11.9	11.4	13.5	11.6	11.0
AVG %	8.5	8.7	9.2	9.0	8.9	8.5	8.9	9.1	9.4	9.1
WASTE %	7.7	8.1	9.1	8.8	8.1	7.9	8.5	9.1	8.9	8.1
STRG cm	23.3	24.1	25.3	24.7	24.5	23.5	24.6	25.1	25.7	25.0
AVG STRG	24.59±0.77									

DATE: 03-12-90
 DAY: 2262
 PROBE: 6031 STANDARD COUNTS: 8379

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	2.9	2.3	2.1	3.2	2.5	1.7	3.1	2.7	1.4	1.3
30.0	7.1	7.2	7.4	7.6	7.6	7.4	7.8	7.3	7.2	7.5
45.0	9.1	9.3	8.7	9.1	9.1	8.5	9.1	9.0	9.2	9.7
60.0	10.4	10.5	10.3	9.8	9.8	9.2	10.5	10.0	9.9	9.3
75.0	11.0	10.4	10.1	10.2	9.5	9.6	10.2	10.0	10.7	9.8
90.0	9.8	10.1	10.4	9.9	10.9	9.2	9.8	10.6	10.7	10.0
105.0	10.2	10.3	10.7	9.3	10.5	8.5	10.4	9.6	11.1	10.2
120.0	9.1	8.8	9.6	8.4	9.4	8.3	9.8	8.6	9.9	9.6
135.0	8.3	8.1	8.0	7.9	9.2	8.4	8.6	8.4	9.5	9.3
150.0	7.9	8.0	8.1	7.9	8.0	9.0	8.5	8.0	8.6	8.9
165.0	8.6	8.0	8.0	9.0	7.4	7.8	8.4	7.7	8.7	8.1
180.0	7.6	8.0	8.3	8.2	7.4	8.0	8.4	8.0	8.7	7.7
195.0	7.8	8.0	8.7	9.1	7.8	7.5	7.5	8.6	9.4	8.2
210.0	7.6	8.5	8.6	8.4	7.8	8.1	8.4	8.9	8.8	8.0
225.0	8.4	8.4	8.5	8.7	8.3	8.4	7.9	9.4	8.9	7.8
240.0	8.2	9.2	8.8	8.9	8.0	8.3	8.3	8.9	9.7	7.9
255.0	10.2	10.4	9.5	11.6	9.5	9.6	9.5	10.2	11.1	9.8
270.0	12.3	12.4	12.3	15.4	10.9	11.9	11.9	13.3	11.3	11.0
AVG %	8.8	9.0	9.0	9.0	8.8	8.5	8.9	8.9	9.5	8.9
WASTE %	7.9	8.4	8.6	8.7	7.9	8.1	8.1	8.7	9.1	7.9
STRG cm	24.3	24.6	24.7	24.8	24.1	23.4	24.6	24.6	26.2	24.4
AVG STRG	24.57±0.70									

DATE: 05-18-90
 DAY: 2329
 PROBE: 6031 STANDARD COUNTS: 8326

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.1	0.4	0.0	0.2	0.0	0.0	0.7	0.6	0.0	0.0
30.0	4.8	5.4	4.7	5.2	5.2	5.5	5.7	5.6	4.3	5.0
45.0	7.4	8.0	6.8	7.2	7.0	7.0	7.2	8.1	7.3	8.2
60.0	8.8	9.2	8.5	8.1	7.6	7.8	8.5	9.5	7.8	9.1
75.0	8.9	9.2	9.2	9.7	8.3	8.3	9.3	9.3	9.7	9.0
90.0	8.5	9.4	9.7	9.5	8.8	8.4	9.7	9.3	9.8	8.8
105.0	9.1	10.0	10.3	10.3	9.2	7.9	10.1	9.9	10.0	9.9
120.0	9.1	10.4	10.3	10.0	8.5	8.0	9.9	9.4	9.6	9.3
135.0	8.6	9.8	10.3	9.2	8.7	9.0	9.9	9.5	10.0	9.9
150.0	9.1	9.2	9.9	8.7	8.7	9.6	9.8	9.0	10.6	10.3
165.0	9.3	8.6	9.6	8.6	8.7	8.8	9.5	8.3	10.1	9.5
180.0	8.1	8.3	8.4	9.0	8.9	9.3	9.0	7.4	9.6	8.9
195.0	8.9	8.4	8.1	8.9	9.3	9.6	8.8	8.7	9.3	8.2
210.0	8.2	8.3	8.3	9.2	8.6	9.0	8.3	9.3	9.4	7.9
225.0	7.9	8.4	9.0	8.8	8.9	8.4	8.0	8.6	9.3	7.4
240.0	8.7	8.9	8.7	8.6	8.3	9.0	8.0	9.2	9.8	8.9
255.0	10.0	10.0	9.5	10.4	9.9	9.5	9.8	10.3	10.4	10.0
270.0	13.1	12.4	12.2	13.0	11.0	12.1	11.6	12.8	11.8	12.1
AVG %	8.5	8.8	8.8	8.8	8.4	8.4	8.8	8.8	9.2	8.8
WASTE %	8.3	8.5	8.5	8.9	8.8	9.1	8.4	8.7	9.5	8.3
STRG cm	23.3	24.3	24.3	24.3	23.2	23.3	24.4	24.3	25.3	24.1
AVG STRG	24.07±0.66									

DATE: 07-20-90
 DAY: 2392
 PROBE: 6031 STANDARD COUNTS: 8326

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	4.3	3.8	3.8	4.3	3.6	4.2	3.7	4.5	3.2	3.8
45.0	7.5	6.7	6.1	6.6	6.6	6.1	6.3	7.3	6.3	6.5
60.0	8.0	7.6	7.9	7.8	7.0	7.2	8.2	8.3	7.3	7.9
75.0	8.4	7.1	7.9	8.5	7.2	7.9	8.9	8.4	8.3	8.4
90.0	7.8	8.2	8.5	8.6	8.0	7.8	9.1	8.4	8.7	8.6
105.0	8.7	8.9	10.1	8.9	8.4	7.3	9.5	8.8	9.5	8.2
120.0	8.3	8.9	10.9	8.8	7.9	7.9	9.8	9.5	9.5	9.4
135.0	8.4	9.6	9.7	8.8	8.2	8.5	9.1	9.0	9.6	9.1
150.0	8.2	9.2	10.0	9.6	8.4	9.1	9.4	9.3	9.6	9.4
165.0	9.4	9.5	9.3	9.8	8.8	8.3	9.3	9.1	10.5	9.1
180.0	9.2	9.0	9.2	8.7	8.6	8.4	9.5	9.1	9.9	9.3
195.0	9.5	9.1	9.0	8.8	9.8	9.1	9.8	9.1	10.1	9.2
210.0	8.4	8.8	9.0	8.8	8.8	9.7	9.8	9.3	9.8	8.8
225.0	8.1	8.3	8.6	8.9	9.5	9.7	8.9	9.3	9.8	8.2
240.0	8.2	9.0	9.6	9.3	9.9	9.5	8.6	10.1	10.3	8.7
255.0	10.0	10.1	10.6	10.6	10.8	9.8	9.3	10.4	11.2	10.4
270.0	12.6	12.0	13.3	14.7	12.9	11.8	12.0	13.7	11.5	11.6
AVG %	8.3	8.4	8.8	8.5	8.2	8.2	8.7	8.7	9.0	8.4
WASTE %	8.7	8.8	9.1	8.9	9.3	9.3	9.3	9.4	10.0	8.8
STRG cm	22.8	23.0	24.1	23.5	22.6	22.4	24.0	24.1	24.7	23.2
AVG STRG	23.45±0.74									

DATE: 10-08-90
 DAY: 2472
 PROBE: 6031 STANDARD COUNTS: 8374

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	4.4	4.8	4.4	4.7	4.3	4.5	4.5	4.4	3.6	6.4
45.0	6.2	6.3	6.8	5.8	5.6	6.6	6.4	6.1	6.3	6.5
60.0	6.9	7.2	7.3	6.9	6.9	7.1	7.0	7.6	7.3	7.6
75.0	7.3	7.2	7.3	6.8	6.3	7.3	7.9	7.3	7.2	7.1
90.0	7.2	7.4	7.9	7.7	7.4	6.9	8.4	7.8	7.9	7.7
105.0	7.3	8.5	8.8	7.7	7.6	8.0	8.3	7.9	8.5	7.9
120.0	6.8	8.6	8.9	8.4	7.3	7.4	8.4	8.2	8.7	7.9
135.0	7.5	8.8	9.4	8.3	7.3	8.2	8.7	8.8	8.8	8.7
150.0	8.1	8.9	9.3	8.4	7.9	8.7	9.1	8.8	9.6	9.5
165.0	8.9	9.2	9.4	9.3	7.5	8.3	9.0	9.0	9.3	9.4
180.0	8.8	9.2	9.6	8.7	8.0	8.4	9.0	8.8	10.4	9.5
195.0	8.6	9.8	10.0	8.9	8.7	8.6	9.2	9.7	10.4	9.6
210.0	8.4	9.2	9.9	8.8	9.0	9.9	9.4	9.8	10.3	9.1
225.0	8.4	9.1	9.0	8.6	8.9	9.9	10.2	9.6	9.9	9.0
240.0	8.8	9.4	9.0	8.8	9.8	10.0	9.5	9.6	10.1	8.8
255.0	10.1	11.0	10.2	10.6	10.1	10.4	9.8	10.8	11.5	10.6
270.0	11.7	13.5	13.3	14.0	11.9	12.7	11.5	13.0	11.7	12.7
AVG %	7.7	8.4	8.6	8.0	7.7	8.1	8.4	8.4	8.7	8.5
WASTE %	8.6	9.3	9.5	8.8	8.9	9.4	9.5	9.5	10.2	9.2
STRG cm	21.3	23.2	23.6	22.1	21.1	22.4	23.2	23.1	24.0	23.3
AVG STRG	22.73±0.97									

DATE: 06-14-91
 DAY: 2721
 PROBE: 6031 STANDARD COUNTS: 8355

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	1.7	1.7	1.7	1.4	0.6	1.1	2.0	2.6	0.6	0.8
30.0	6.8	7.3	6.6	6.9	6.0	6.4	6.5	7.0	6.2	7.2
45.0	8.8	9.4	9.1	9.1	8.4	8.1	9.3	9.1	8.7	9.8
60.0	9.7	9.7	9.7	9.4	8.4	8.6	10.0	9.9	9.4	10.2
75.0	10.3	9.2	9.5	10.0	8.9	9.0	10.5	9.6	10.2	9.7
90.0	9.1	9.9	9.6	9.9	9.6	9.0	9.9	9.4	9.9	9.2
105.0	9.3	9.9	11.0	9.8	10.4	8.2	10.7	10.1	9.9	10.2
120.0	10.0	9.9	10.9	9.9	9.6	8.1	11.1	9.5	10.0	9.4
135.0	9.4	10.1	11.3	9.6	9.1	9.2	10.6	9.6	10.1	10.1
150.0	9.7	10.5	11.3	10.5	9.4	9.0	10.5	9.7	10.8	11.2
165.0	10.4	10.1	11.4	10.9	9.2	9.4	11.0	9.0	11.4	10.6
180.0	9.8	10.5	11.0	11.6	9.9	9.6	10.7	10.4	11.4	10.9
195.0	9.6	10.0	11.3	10.9	10.5	9.5	10.9	11.2	11.5	11.4
210.0	10.2	10.4	10.6	10.9	11.0	10.1	11.5	11.1	11.2	10.8
225.0	9.0	9.8	9.8	11.3	10.5	10.6	10.7	10.1	10.8	10.5
240.0	8.9	10.5	9.9	10.5	10.7	10.9	10.7	10.3	10.5	10.5
255.0	10.5	11.2	10.4	12.0	11.8	11.1	11.1	10.5	11.5	12.1
270.0	13.7	13.6	13.1	15.7	13.4	13.1	12.2	13.5	13.5	13.2
AVG %	9.5	9.9	10.2	10.2	9.6	9.2	10.4	9.8	10.2	10.2
WASTE %	9.5	10.2	10.5	11.0	10.5	10.2	10.9	10.6	11.1	10.8
STRG cm	26.1	27.3	28.1	28.1	26.4	25.3	28.5	26.9	28.1	28.2
AVG STRG	27.30±1.10									

DATE: 10-08-91
 DAY: 2837
 PROBE: 6031 STANDARD COUNTS: 8364

DEPTH (cm)	1	2	3	4	5	6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	3.3	3.9	3.6	3.9	3.6	3.4	4.4	3.9	3.1	3.8
45.0	6.5	6.2	5.5	6.0	6.0	5.8	6.2	6.2	6.0	6.8
60.0	7.3	7.4	6.4	6.8	6.8	6.0	7.1	7.1	6.6	7.6
75.0	7.3	7.0	6.9	7.6	6.3	6.3	8.0	7.5	7.9	7.4
90.0	7.1	7.7	7.3	8.1	7.7	7.2	8.4	7.8	8.4	8.2
105.0	7.8	8.3	8.4	8.2	7.0	6.6	9.4	8.3	8.1	8.7
120.0	8.3	8.7	9.9	8.8	6.8	6.8	10.3	8.5	7.8	8.3
135.0	8.4	8.1	9.6	8.5	6.7	7.7	10.4	8.4	8.6	8.5
150.0	8.9	9.3	9.7	9.0	7.1	8.3	9.8	8.5	9.2	9.8
165.0	9.5	8.9	10.4	9.9	7.6	8.6	9.8	9.1	9.6	9.4
180.0	9.9	8.9	9.7	10.0	7.9	7.9	10.1	9.7	9.6	9.0
195.0	10.2	8.9	10.2	10.3	7.5	9.0	10.2	10.0	10.1	10.1
210.0	9.7	9.4	10.6	10.2	9.0	9.3	10.7	10.4	10.1	9.8
225.0	9.9	9.3	10.2	10.9	9.1	9.8	10.3	10.2	10.0	9.2
240.0	9.3	9.5	10.0	10.3	9.5	10.3	10.5	10.0	10.5	9.9
255.0	10.6	9.8	10.1	11.5	10.3	10.4	10.8	11.2	11.9	10.8
270.0	13.8	12.5	13.2	15.2	12.8	12.0	11.0	12.8	12.5	12.9
AVG %	8.4	8.2	8.7	8.7	7.4	7.7	9.2	8.6	8.6	8.6
WASTE %	9.8	9.2	10.1	10.3	8.6	9.2	10.4	10.1	10.1	9.6
STRG cm	23.1	22.6	23.8	24.1	20.4	21.2	25.2	23.6	23.6	23.6
AVG STRG	23.12±1.39									

DATE: 08-05-92
DAY: 3139
PROBE: 6031 STANDARD COUNTS: 8148

DEPTH (cm)	1	2	% VOL 3	WATER 4	CONTENT 5	(cm/m) 6	7	8	9	10
8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0
15.0	0.1	0.8	0.6	1.3	0.9	0.7	1.2	2.0	0.6	0.0
30.0	5.4	6.4	6.5	7.0	6.9	6.9	6.5	8.0	8.7	6.0
45.0	7.0	6.6	5.9	6.4	6.4	6.2	6.6	6.6	6.4	7.2
60.0	7.5	7.7	7.9	9.7	8.1	8.0	7.6	8.3	8.4	7.9
75.0	6.4	6.5	7.8	8.7	7.7	7.1	6.3	7.4	7.6	6.7
90.0	6.7	6.9	7.7	8.6	8.2	7.2	6.4	7.1	7.1	6.6
105.0	7.3	7.9	8.4	7.6	7.7	6.7	6.7	7.2	8.0	7.3
120.0	7.2	8.2	10.2	9.1	7.3	7.0	6.0	7.8	8.4	6.8
135.0	7.8	8.6	10.1	8.5	8.0	8.2	6.8	7.8	9.0	8.0
150.0	8.8	9.1	10.0	9.4	8.3	8.1	7.6	8.1	10.7	8.8
165.0	9.0	9.1	11.3	10.0	8.4	8.5	8.5	9.0	10.8	8.7
180.0	9.3	9.4	11.5	10.1	9.7	9.1	9.2	8.8	11.0	9.9
195.0	9.7	9.8	11.5	9.3	10.1	10.3	9.7	10.4	12.1	9.8
210.0	9.4	9.9	11.3	10.6	10.0	10.7	10.9	11.0	12.0	10.3
225.0	11.2	10.0	11.8	10.6	10.7	11.9	10.8	11.2	11.8	9.9
240.0	10.7	10.5	11.1	10.5	12.0	11.9	10.9	12.1	11.9	11.0
255.0	11.4	12.0	12.2	12.5	16.4	19.1	11.7	11.8	12.8	26.9
270.0	14.1	13.6	16.3	15.4	13.7	18.5	13.6	15.0	13.6	26.9
AVG %	8.4	8.7	9.7	9.3	9.1	9.2	8.3	8.9	9.8	9.5
WASTE %	10.1	9.9	11.4	10.2	10.5	10.8	10.3	10.7	11.8	10.2
STRG cm	23.2	23.8	26.7	25.6	25.1	25.3	22.7	24.6	27.0	26.1
AVG STRG	25.00±1.43									

APPENDIX C

DRAINAGE DATA

APPENDIX C

DRAINAGE DATA

This appendix lists each date that lysimeter leachate was collected and the volume of solution collected from each lysimeter. The first listing describes drainage in terms of centimeters of liquid (height of water across total cross section of lysimeter). The second listing gives the same information in terms of liters of solution collected, units that are more familiar to chemists.

CUMULATIVE DRAINAGE (cm)

REC #	Date	Day	#1	#2	#3	#4	Lysimeter		#7	#8	#9	#10
							#5	#6				
1	10-26-84	299	0.04	0.04	0.03	0.04	0.00	0.03	0.03	0.03	0.04	0.00
2	11-16-84	320	0.04	0.04	0.03	0.04	0.00	0.03	0.03	0.03	0.04	0.00
3	01-24-85	389	0.04	0.04	0.06	0.05	0.00	0.04	0.03	0.03	0.04	0.00
4	02-13-85	409	0.04	0.04	0.06	0.05	0.00	0.04	0.03	6.63	7.64	0.49
5	03-11-85	435	0.04	0.04	0.06	0.05	0.00	0.04	0.03	11.42	12.22	0.49
6	03-12-85	436	0.04	0.04	0.06	0.05	0.00	0.04	0.03	12.93	12.98	0.49
7	03-29-85	453	0.04	0.65	0.11	0.09	0.00	0.04	0.36	14.12	13.88	0.51
8	04-04-85	459	0.04	0.65	0.11	0.09	0.00	0.04	0.36	14.12	13.88	6.13
9	04-12-85	467	0.04	0.65	0.11	0.09	0.00	0.04	0.36	14.12	13.88	6.56
10	06-20-85	536	1.95	2.86	2.03	2.29	0.00	0.04	2.92	16.25	15.72	6.56
11	07-23-85	569	1.95	2.86	2.03	2.29	0.00	0.04	2.92	16.25	15.72	10.28
12	08-14-85	591	3.01	3.97	3.21	3.33	0.00	0.08	3.96	17.15	16.73	10.28
13	10-24-85	662	3.93	4.88	3.97	4.38	0.02	0.09	4.90	17.84	17.53	12.05
14	01-30-86	760	5.01	5.53	4.91	5.32	0.03	0.53	6.13	19.21	18.06	12.41
15	02-22-86	783	5.01	5.53	4.91	5.32	0.03	0.53	6.13	22.34	22.36	12.41
16	02-28-86	789	6.95	7.07	6.39	7.42	1.15	1.44	7.12	22.87	23.23	12.41
17	03-07-86	796	6.95	7.07	6.39	9.32	3.62	1.44	7.12	22.87	23.23	12.41
18	03-13-86	802	6.95	7.07	6.39	9.32	4.65	4.94	10.93	24.01	23.23	12.41
19	03-21-86	810	9.16	9.43	8.56	10.84	6.10	6.62	12.15	24.47	23.39	14.36
20	03-28-86	817	9.69	9.96	9.13	11.38	6.55	7.19	12.68	25.19	24.03	18.35
21	04-03-86	823	10.03	10.34	9.59	11.79	6.97	7.72	13.21	25.74	24.51	18.35
22	04-10-86	830	10.53	10.76	10.01	12.17	7.35	8.18	13.63	26.16	24.93	18.35
23	04-17-86	837	10.87	11.11	10.39	12.52	7.71	8.60	13.98	26.50	25.31	20.18
24	04-25-86	845	11.24	11.50	10.77	12.69	8.14	9.12	14.33	26.87	25.64	20.42
25	05-01-86	851	11.52	11.78	11.03	12.97	8.47	9.46	14.65	27.16	25.90	20.42
26	05-08-86	858	11.89	12.13	11.30	13.29	8.80	9.86	14.94	27.48	26.18	21.25
27	05-15-86	865	12.26	12.46	11.67	13.65	9.15	10.24	15.28	27.81	26.46	21.25
28	05-22-86	872	12.54	12.74	11.93	13.92	9.43	10.56	15.57	28.08	26.69	21.25
29	05-29-86	879	12.84	13.02	12.27	14.22	9.71	10.84	15.82	28.38	26.95	21.25
30	06-06-86	887	13.20	13.34	12.59	14.52	9.99	11.14	16.17	28.77	27.26	21.25
31	06-09-86	890	13.20	13.34	12.59	14.52	9.99	11.14	16.17	28.77	27.26	22.48
32	06-12-86	893	13.42	13.55	12.78	14.74	10.20	11.39	16.38	29.00	27.46	22.48
33	06-19-86	900	13.67	13.81	13.06	14.99	10.43	11.65	16.63	29.29	27.72	22.80
34	06-26-86	907	13.93	14.09	13.35	15.25	10.67	11.92	16.88	29.58	28.00	23.21
35	07-03-86	914	14.20	14.38	13.64	15.51	10.91	12.18	17.11	29.86	28.29	23.69
36	07-10-86	921	14.42	14.61	13.90	15.74	11.11	12.40	17.30	30.08	28.53	23.69
37	07-17-86	928	14.61	14.82	14.09	15.91	11.27	12.59	17.47	30.30	28.74	23.93
38	07-24-86	935	14.79	15.00	14.26	16.10	11.46	12.77	17.66	30.48	28.91	24.12
39	08-07-86	949	14.89	15.15	14.42	16.25	11.57	12.92	17.80	30.63	29.07	24.12
40	08-13-86	955	15.18	15.43	14.75	16.56	11.86	13.23	18.05	30.92	29.36	24.53
41	08-28-86	970	15.49	15.73	15.05	16.87	12.14	13.52	18.28	31.19	29.64	24.76
42	09-10-86	983	15.76	16.01	15.35	17.16	12.40	13.78	18.49	31.44	29.90	24.95
43	09-25-86	998	16.01	16.27	15.60	17.43	12.65	14.03	18.70	31.67	30.14	25.21
44	10-02-86	1005	16.21	16.46	15.82	17.63	12.82	14.23	18.83	31.86	30.29	25.36
45	10-23-86	1026	16.40	16.64	16.02	17.86	13.03	14.42	18.99	32.04	30.45	25.51
46	11-06-86	1040	16.52	16.80	16.14	17.99	13.16	14.55	19.10	32.18	30.57	25.74
47	11-20-86	1054	16.62	16.92	16.26	18.13	13.28	14.66	19.20	32.30	30.68	25.74
48	12-10-86	1074	16.72	17.06	16.38	18.26	13.41	14.77	19.31	32.42	30.80	25.74
49	12-30-86	1094	16.84	17.18	16.50	18.40	13.52	14.88	19.43	32.54	30.90	26.01
50	01-13-87	1108	16.90	17.26	16.54	18.46	13.57	14.94	19.51	32.61	30.96	26.01
51	01-26-87	1121	16.96	17.33	16.61	18.54	13.63	15.00	19.58	32.67	31.00	26.01
52	02-09-87	1135	17.01	17.39	16.64	18.61	13.67	15.05	19.64	32.72	31.05	26.01
53	03-09-87	1163	17.10	17.51	16.71	18.71	13.90	15.40	19.79	32.83	31.13	26.16
54	03-23-87	1177	17.16	17.69	16.80	18.84	14.30	15.78	19.88	32.99	31.25	26.16
55	04-07-87	1192	17.23	17.93	16.87	19.01	14.70	16.19	19.99	33.18	31.40	26.16
56	04-21-87	1206	17.40	18.17	16.95	19.24	15.09	16.58	20.15	33.35	31.60	26.16
57	04-24-87	1209	17.40	18.17	16.95	19.24	15.09	16.58	20.15	33.35	31.60	26.42
58	05-08-87	1223	17.68	18.48	17.10	19.56	15.53	17.07	20.41	33.60	31.88	26.42
59	05-27-87	1242	18.03	18.86	17.35	20.02	16.09	17.67	20.54	33.76	32.19	26.76
60	06-10-87	1256	18.40	19.23	17.61	20.35	16.53	18.14	21.08	34.31	32.58	26.76
61	06-24-87	1270	18.74	19.58	17.96	20.66	16.91	18.56	21.47	34.68	32.95	27.27
62	07-08-87	1284	19.10	19.92	18.36	21.03	17.31	18.94	21.82	35.01	33.30	27.27
63	07-22-87	1298	19.45	20.26	18.73	21.26	17.66	19.30	22.17	35.36	33.64	27.41
64	08-06-87	1313	19.78	20.59	19.07	21.59	17.97	19.64	22.51	35.69	33.96	27.41
65	08-19-87	1326	20.06	20.85	19.35	21.87	18.26	19.91	22.79	35.97	34.25	27.92

CUMULATIVE DRAINAGE (cm)

REC	Lysimeter											
#	Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
66	09-03-87	1341	20.33	21.13	19.63	22.13	18.53	20.18	23.08	36.26	34.53	30.43
67	09-08-87	1346	20.33	21.13	19.63	22.24	18.53	20.18	23.08	36.26	34.53	30.43
68	09-09-87	1347	20.33	21.13	19.63	22.24	18.53	20.18	23.08	36.26	34.53	30.69
69	09-17-87	1355	20.57	21.40	19.86	22.51	18.82	20.41	23.34	36.49	34.75	30.69
70	10-01-87	1369	20.80	21.66	20.09	22.77	19.09	20.61	23.59	36.70	34.96	30.69
71	10-17-87	1385	21.03	21.92	20.31	23.05	19.37	20.82	23.85	36.91	35.18	30.69
72	10-29-87	1397	21.20	22.11	20.46	23.25	19.55	20.95	24.03	37.06	35.33	30.69
73	11-18-87	1417	21.44	22.39	20.68	23.55	19.83	21.13	24.29	37.28	35.53	30.69
74	11-30-87	1429	21.63	22.57	20.89	23.73	19.98	21.27	24.48	37.46	35.71	30.69
75	12-18-87	1447	21.77	22.71	21.03	23.87	20.08	21.41	24.60	37.59	35.84	30.69
76	01-06-88	1466	21.89	22.83	21.14	24.01	20.18	21.51	24.75	37.73	35.98	30.69
77	01-20-88	1480	21.99	22.91	21.25	24.12	20.25	21.57	24.84	37.81	36.04	30.69
78	02-04-88	1495	22.07	22.97	21.33	24.20	20.31	21.63	24.94	37.89	36.10	30.69
79	02-17-88	1508	22.14	23.02	21.41	24.27	20.36	21.68	25.02	37.96	36.16	31.34
80	03-07-88	1527	22.24	23.10	21.50	24.36	20.43	21.78	25.11	38.04	36.23	31.56
81	03-08-88	1528	22.24	23.10	21.50	24.36	20.43	21.78	25.11	38.04	36.23	31.66
82	03-24-88	1544	22.32	23.16	21.56	24.44	20.51	21.94	25.20	38.10	36.29	31.73
83	04-07-88	1558	22.39	23.23	21.62	24.52	20.61	22.09	25.27	38.17	36.35	31.85
84	04-19-88	1570	22.45	23.32	21.67	24.60	20.73	22.23	25.34	38.25	36.40	31.94
85	05-04-88	1585	22.55	23.44	21.74	24.74	20.90	22.43	25.43	38.37	36.48	31.99
86	05-19-88	1600	22.65	23.58	21.82	24.93	21.09	22.63	25.52	38.50	36.60	32.17
87	06-02-88	1614	22.77	23.75	21.94	25.10	21.28	22.84	25.64	38.65	36.76	32.35
88	06-14-88	1626	22.89	23.90	22.04	25.26	21.45	23.02	25.76	38.81	36.92	32.50
89	06-29-88	1641	23.05	24.08	22.19	25.46	21.67	23.24	25.91	39.00	37.12	32.70
90	07-13-88	1655	23.23	24.27	22.38	25.66	21.88	23.45	26.06	39.21	37.33	32.87
91	07-27-88	1669	23.42	24.47	22.60	25.86	22.09	23.67	26.23	39.42	37.54	33.08
92	08-12-88	1685	23.64	24.69	22.84	26.10	22.35	23.93	26.44	39.66	37.77	33.26
93	08-26-88	1699	23.84	24.87	23.05	26.30	22.57	24.14	26.61	39.86	37.96	33.64
94	09-14-88	1718	24.11	25.12	23.33	26.57	22.84	24.41	26.88	40.13	38.20	33.88
95	10-06-88	1740	24.36	25.37	23.58	26.83	23.11	24.68	27.12	40.41	38.49	34.15
96	10-27-88	1761	24.57	25.59	23.88	27.11	23.33	24.91	27.32	40.63	38.70	34.48
97	11-11-88	1776	24.71	25.72	24.00	27.25	23.46	25.04	27.46	40.77	38.84	34.58
98	12-02-88	1797	24.88	25.87	24.16	27.41	23.61	25.18	27.62	40.93	38.98	34.77
99	12-19-88	1814	24.99	25.98	24.28	27.53	23.72	25.29	27.74	41.06	39.12	34.85
100	01-05-89	1831	25.09	26.06	24.39	27.63	23.81	25.37	27.85	41.16	39.21	35.01
101	01-24-89	1850	25.19	26.15	24.50	27.74	23.90	25.45	27.95	41.27	39.30	35.04
102	03-08-89	1893	25.38	26.31	24.67	27.94	24.06	25.59	28.10	41.44	39.47	35.26
103	03-22-89	1907	25.46	26.37	24.73	28.07	24.14	25.86	28.20	41.51	39.70	35.61
104	04-05-89	1921	25.66	26.85	24.81	28.54	24.87	26.62	28.44	41.74	40.00	36.00
105	04-20-89	1936	26.15	27.46	25.02	29.07	25.66	27.37	28.93	42.28	40.39	36.66
106	05-03-89	1949	26.63	27.96	25.31	29.59	26.24	27.96	29.42	42.75	40.78	37.48
107	05-19-89	1965	27.12	28.47	25.78	30.10	26.81	28.59	29.96	43.28	41.25	37.95
108	05-31-89	1977	27.45	28.83	26.07	30.39	27.19	29.00	30.35	43.65	41.58	38.03
109	06-15-89	1992	27.83	29.22	26.50	30.78	27.53	29.47	30.79	44.12	41.97	38.64
110	06-29-89	2006	28.15	29.56	26.83	31.12	27.87	29.86	31.12	44.47	42.29	39.12
111	07-11-89	2018	28.43	29.87	27.12	31.40	28.22	30.22	31.42	44.80	42.60	39.48
112	07-24-89	2031	28.75	30.17	27.46	31.71	28.58	30.58	31.75	45.14	42.90	39.78
113	08-14-89	2052	29.17	30.62	27.88	32.15	29.04	31.10	32.19	45.58	43.34	40.18
114	08-30-89	2068	29.48	30.93	28.25	32.47	29.40	31.47	32.51	45.94	43.65	40.48
115	09-13-89	2082	29.73	31.18	28.49	32.71	29.68	31.76	32.79	46.21	43.94	40.79
116	09-26-89	2095	29.96	31.39	28.71	32.94	29.90	31.99	32.99	46.47	44.15	41.00
117	11-08-89	2138	30.53	31.95	29.22	33.46	30.48	32.52	33.46	47.01	44.67	41.53
118	12-08-89	2168	30.84	32.25	29.52	33.75	30.76	32.80	33.75	47.32	44.97	41.83
119	01-05-90	2196	31.05	32.45	29.80	34.04	30.97	32.98	33.96	47.54	45.17	42.00
120	02-21-90	2243	31.31	32.71	30.07	34.32	31.21	33.24	34.21	47.80	45.39	42.23
121	03-09-90	2259	31.42	32.83	30.18	34.43	31.28	33.33	34.31	47.90	45.51	42.37
122	04-17-90	2298	31.63	33.01	30.38	34.64	31.41	33.47	34.50	48.11	45.69	42.58
123	05-31-90	2342	31.90	33.28	30.65	34.93	31.59	33.67	34.73	48.36	45.93	42.81
124	06-28-90	2370	32.09	33.47	30.84	35.11	31.73	33.90	34.88	48.55	46.11	42.99
125	10-04-90	2468	32.47	34.31	31.62	35.87	32.73	34.89	35.67	49.36	46.93	43.76
126	04-15-91	2661	33.69	35.32	32.58	36.82	33.56	35.72	36.50	50.43	47.84	44.82
127	06-14-91	2721	33.97	35.80	32.86	37.24	33.87	36.86	36.84	50.83	48.18	45.29
128	09-20-91	2819	34.74	37.18	33.79	38.72	35.84	38.93	37.92	52.06	49.29	46.83
129	12-02-91	2892	35.58	38.15	34.76	39.65	36.81	40.06	38.73	53.03	50.08	46.83
130	04-17-92	3029	37.54	40.28	36.82	41.82	38.86	42.06	40.79	55.24	52.17	46.83

CUMULATIVE DRAINAGE (cm)

REC													
#	Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	
131	08-13-92	3147	40.39	43.20	40.43	45.60	42.62	46.19	44.39	58.96	55.89	46.85	
132	09-18-92	3183	41.15	43.98	41.00	46.27	43.34	46.93	45.16	59.72	56.67	46.94	
133	12-15-92	3271	42.28	45.10	42.31	47.18	44.33	47.73	46.18	60.82	57.73	49.30	
134	03-26-93	3372	48.52	52.56	48.71	55.86	54.27	57.59	53.19	67.63	65.80	49.30	

DAILY DRAINAGE (liters)

REC #	Date	Day	#1	#2	#3	Lysimeter		#6	#7	#8	#9	#10
						#4	#5					
1	10-26-84	299	1.10	1.10	0.90	1.10	0.00	0.90	0.80	0.70	1.10	0.00
2	11-16-84	320	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	01-24-85	389	0.00	0.00	0.70	0.20	0.00	0.10	0.10	0.10	0.00	0.10
4	02-13-85	409	0.00	0.00	0.00	0.00	0.00	0.00	0.00	173.30	199.70	12.80
5	03-11-85	435	0.00	0.00	0.00	0.00	0.00	0.00	0.00	125.90	120.20	0.00
6	03-12-85	436	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.70	19.90	0.00
7	03-29-85	453	0.00	16.10	1.40	1.00	0.00	0.00	8.60	31.30	23.70	0.50
8	04-04-85	459	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	147.60
9	04-12-85	467	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.40
10	06-20-85	536	50.20	57.80	50.20	57.80	0.00	0.00	67.20	55.90	48.30	0.00
11	07-23-85	569	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97.70
12	08-14-85	591	27.70	29.40	31.10	27.50	0.00	1.00	27.40	23.70	26.60	0.00
13	10-24-85	662	24.20	23.70	19.90	27.50	0.50	0.30	24.70	18.00	20.90	46.40
14	01-30-86	760	28.50	17.10	24.70	24.70	0.30	11.50	32.30	36.10	13.90	9.60
15	02-22-86	783	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.00	113.00	0.00
16	02-28-86	789	50.80	40.50	39.00	55.00	29.30	24.00	26.00	14.00	23.00	0.00
17	03-07-86	796	0.00	0.00	0.00	50.00	65.00	0.00	0.00	0.00	0.00	0.00
18	03-13-86	802	0.00	0.00	0.00	0.00	27.00	92.00	100.00	30.00	0.00	0.00
19	03-21-86	810	58.00	62.00	57.00	40.00	38.00	44.00	32.00	12.00	4.00	51.00
20	03-28-86	817	14.00	14.00	15.00	14.00	12.00	15.00	14.00	19.00	17.00	105.00
21	04-03-86	823	9.00	10.00	12.00	11.00	11.00	14.00	14.00	14.50	12.50	0.00
22	04-10-86	830	13.00	11.00	11.00	10.00	10.00	12.00	11.00	11.00	11.00	0.00
23	04-17-86	837	9.00	9.00	10.00	9.00	9.50	11.00	9.00	9.00	10.00	48.00
24	04-25-86	845	9.70	10.50	10.00	4.60	11.20	13.80	9.40	9.70	8.60	6.20
25	05-01-86	851	7.50	7.10	6.70	7.40	8.80	8.80	8.40	7.50	6.90	0.00
26	05-08-86	858	9.50	9.20	7.10	8.40	8.60	10.50	7.50	8.30	7.30	22.00
27	05-15-86	865	9.80	8.70	9.90	9.30	9.20	10.00	9.00	8.70	7.40	0.00
28	05-22-86	872	7.40	7.40	6.90	7.20	7.40	8.40	7.70	7.20	6.20	0.00
29	05-29-86	879	8.00	7.50	8.80	7.80	7.30	7.50	6.50	7.80	6.80	0.00
30	06-06-86	887	9.40	8.20	8.40	8.00	7.40	7.70	9.10	10.40	8.00	0.00
31	06-09-86	890	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	32.20
32	06-12-86	893	5.60	5.50	5.00	5.60	5.50	6.70	5.60	5.90	5.40	0.00
33	06-19-86	900	6.70	7.00	7.40	6.70	6.00	6.90	6.60	7.70	6.80	8.50
34	06-26-86	907	6.90	7.30	7.50	6.80	6.20	6.90	6.40	7.60	7.30	10.60
35	07-03-86	914	7.00	7.60	7.60	6.90	6.40	6.90	6.20	7.40	7.70	12.70
36	07-10-86	921	5.80	6.10	6.90	5.90	5.30	5.80	5.00	5.70	6.20	0.00
37	07-17-86	928	5.00	5.40	4.90	4.60	4.20	5.00	4.50	5.90	5.40	6.20
38	07-24-86	935	4.70	4.80	4.70	4.90	4.80	4.80	5.00	4.70	4.70	5.00
39	08-07-86	949	2.70	3.90	4.10	3.90	3.00	4.00	3.50	3.80	4.00	0.00
40	08-13-86	955	7.50	7.40	8.70	8.20	7.60	8.00	6.60	7.60	7.80	10.90
41	08-28-86	970	8.20	7.90	7.90	8.20	7.40	7.60	6.10	7.30	7.30	6.10
42	09-10-86	983	7.10	7.30	7.80	7.50	6.80	6.90	5.60	6.40	6.70	5.00
43	09-25-86	998	6.60	6.80	6.50	7.20	6.60	6.60	5.30	6.20	6.30	6.60
44	10-02-86	1005	5.10	5.10	5.80	5.10	4.50	5.10	3.50	4.90	4.10	4.10
45	10-23-86	1026	5.20	4.60	5.30	6.10	5.50	5.10	4.10	4.70	4.10	4.00
46	11-06-86	1040	3.10	4.20	3.20	3.40	3.50	3.50	3.10	3.80	3.30	6.00
47	11-20-86	1054	2.60	3.30	3.10	3.60	3.10	2.70	2.50	3.00	2.70	0.00
48	12-10-86	1074	2.50	3.70	3.10	3.60	3.30	3.10	2.90	3.30	3.20	0.00
49	12-30-86	1094	3.20	3.20	3.10	3.60	2.90	2.70	3.20	3.10	2.70	7.10
50	01-13-87	1108	1.60	2.10	1.20	1.70	1.30	1.70	2.00	1.80	1.50	0.00
51	01-26-87	1121	1.50	1.80	1.70	2.10	1.70	1.50	1.80	1.60	1.20	0.00
52	02-09-87	1135	1.30	1.60	1.00	1.70	1.10	1.40	1.70	1.40	1.30	0.00
53	03-09-87	1163	2.40	3.00	1.60	2.70	6.00	9.00	3.90	2.80	1.90	3.80
54	03-23-87	1177	1.60	4.90	2.60	3.30	10.50	10.20	2.30	4.20	3.30	0.00
55	04-07-87	1192	1.80	6.20	1.70	4.60	10.50	10.60	3.10	4.90	4.00	0.00
56	04-21-87	1206	4.60	6.20	2.20	6.10	10.20	10.40	4.10	4.50	5.10	0.00
57	04-24-87	1209	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80
58	05-08-87	1223	7.30	8.20	3.90	8.40	11.60	12.80	6.70	6.50	7.50	0.00
59	05-27-87	1242	9.20	10.10	6.60	11.90	14.60	15.80	3.60	4.20	8.00	9.00
60	06-10-87	1256	9.60	9.60	6.90	8.80	11.60	12.40	14.00	14.60	10.20	0.00
61	06-24-87	1270	9.10	9.10	9.10	8.00	10.00	10.90	10.30	9.60	9.80	13.40
62	07-08-87	1284	9.30	9.10	10.50	9.80	10.50	10.10	9.30	8.60	9.20	0.00
63	07-22-87	1298	9.20	8.90	9.80	6.00	9.10	9.30	9.20	9.30	8.90	3.60
64	08-06-87	1313	8.70	8.70	8.70	8.70	8.30	9.10	9.00	8.70	8.40	0.00

DAILY DRAINAGE (liters)

REC #	Date	Day	Lysimeter									
			#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
65	08-19-87	1326	7.30	6.90	7.50	7.30	7.60	6.90	7.30	7.40	7.60	13.60
66	09-03-87	1341	7.10	7.30	7.20	7.00	7.10	7.20	7.60	7.50	7.30	65.70
67	09-08-87	1346	0.00	0.00	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00
68	09-09-87	1347	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00
69	09-17-87	1355	6.40	7.10	6.30	7.20	7.60	6.00	6.90	6.00	6.00	0.00
70	10-01-87	1369	6.00	6.70	5.80	6.90	7.00	5.40	6.40	5.50	5.50	0.00
71	10-17-87	1385	6.20	7.00	5.90	7.30	7.30	5.30	6.80	5.70	5.70	0.00
72	10-29-87	1397	4.30	4.90	4.00	5.20	4.90	3.40	4.70	3.90	3.80	0.00
73	11-18-87	1417	6.40	7.40	5.70	8.00	7.20	4.70	6.90	5.70	5.50	0.00
74	11-30-87	1429	5.00	4.70	5.60	4.70	4.00	3.90	5.10	4.80	4.60	0.00
75	12-18-87	1447	3.70	3.60	3.60	3.70	2.60	3.50	3.00	3.50	3.50	0.00
76	01-06-88	1466	3.10	3.10	3.00	3.50	2.60	2.60	3.90	3.60	3.50	0.00
77	01-20-88	1480	2.65	2.10	2.85	2.85	2.00	1.80	2.60	2.00	1.70	0.00
78	02-04-88	1495	2.10	1.65	2.15	2.15	1.50	1.40	2.50	2.10	1.65	0.00
79	02-17-88	1508	1.70	1.45	1.90	1.80	1.30	1.35	2.15	1.80	1.60	17.00
80	03-07-88	1527	2.75	1.90	2.35	2.50	1.80	2.65	2.45	2.10	1.75	5.70
81	03-08-88	1528	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.60
82	03-24-88	1544	2.00	1.75	1.70	2.10	2.10	4.10	2.30	1.80	1.65	2.00
83	04-07-88	1558	1.80	1.85	1.55	2.15	2.65	4.15	1.75	1.85	1.40	3.20
84	04-19-88	1570	1.75	2.20	1.35	2.15	3.15	3.70	1.90	2.00	1.50	2.20
85	05-04-88	1585	2.50	3.25	1.90	3.50	4.60	5.00	2.30	3.15	2.10	1.30
86	05-19-88	1600	2.60	3.70	2.10	4.95	4.80	5.40	2.50	3.45	3.10	4.95
87	06-02-88	1614	3.35	4.35	3.05	4.65	5.15	5.45	3.05	3.96	4.05	4.65
88	06-14-88	1626	3.05	4.10	2.55	4.10	4.45	4.75	3.10	4.05	4.20	4.00
89	06-29-88	1641	4.25	4.70	4.10	5.25	5.80	5.70	3.90	5.20	5.30	5.25
90	07-13-88	1655	4.70	4.95	5.00	5.30	5.45	5.75	4.10	5.45	5.65	4.30
91	07-27-88	1669	4.95	5.20	5.75	5.30	5.60	5.75	4.40	5.40	5.50	5.70
92	08-12-88	1685	5.90	5.75	6.30	6.20	6.70	6.60	5.50	6.35	6.00	4.60
93	08-26-88	1699	5.20	4.85	5.35	5.40	5.80	5.65	4.60	5.30	4.90	10.10
94	09-14-88	1718	7.00	6.45	7.35	6.85	7.10	7.10	6.95	7.05	6.30	6.15
95	10-06-88	1740	6.75	6.60	6.70	7.05	7.15	7.20	6.30	7.45	7.80	7.20
96	10-27-88	1761	5.30	5.75	7.80	7.38	5.83	5.80	5.25	5.72	5.35	8.72
97	11-11-88	1776	3.85	3.50	3.30	3.50	3.25	3.50	3.67	3.70	3.60	2.45
98	12-02-88	1797	4.30	3.95	4.20	4.35	3.90	3.60	4.15	4.10	3.90	5.00
99	12-19-88	1814	2.95	2.73	3.10	3.05	2.90	2.95	3.25	3.52	3.50	2.20
100	01-05-89	1831	2.65	2.30	2.85	2.60	2.40	2.15	2.75	2.60	2.55	4.15
101	01-24-89	1850	2.65	2.30	2.85	2.90	2.35	2.05	2.75	2.80	2.20	0.90
102	03-08-89	1893	4.95	4.10	4.50	5.40	4.30	3.75	3.90	4.40	4.55	5.75
103	03-22-89	1907	2.00	1.75	1.60	3.25	2.00	7.00	2.60	2.00	6.00	9.15
104	04-05-89	1921	5.45	12.45	2.10	12.30	19.20	20.00	6.35	5.90	7.90	10.25
105	04-20-89	1936	12.85	16.00	5.55	14.05	20.75	19.85	12.95	14.40	10.35	17.30
106	05-03-89	1949	12.45	13.10	7.60	13.50	15.25	15.40	12.85	12.15	10.25	21.50
107	05-19-89	1965	12.95	13.60	12.45	13.40	15.10	16.50	14.25	14.10	12.20	12.35
108	05-31-89	1977	8.65	9.25	7.45	7.85	9.90	10.85	10.15	9.70	8.60	2.10
109	06-15-89	1992	10.00	10.40	11.30	10.15	8.85	12.40	11.50	12.20	10.40	16.10
110	06-29-89	2006	8.30	8.90	8.75	8.90	9.10	10.10	8.60	9.20	8.30	12.60
111	07-11-89	2018	7.50	8.25	7.50	7.40	9.00	9.60	8.00	8.80	8.20	9.30
112	07-24-89	2031	8.30	7.80	9.00	8.10	9.55	9.35	8.55	8.80	7.90	8.05
113	08-14-89	2052	11.10	11.80	11.10	11.55	12.15	13.60	11.60	11.60	11.50	10.45
114	08-30-89	2068	8.10	8.10	9.55	8.35	9.40	9.70	8.35	9.35	8.10	8.00
115	09-13-89	2082	6.70	6.60	6.30	6.50	7.40	7.70	7.55	7.20	7.75	8.05
116	09-26-89	2095	5.90	5.50	6.00	5.80	5.75	6.00	5.25	6.90	5.45	5.50
117	11-08-89	2138	15.10	14.80	13.25	13.70	15.30	14.00	12.30	14.10	13.65	13.80
118	12-08-89	2168	8.20	7.75	7.85	7.65	7.20	7.45	7.60	8.20	7.90	8.00
119	01-05-90	2196	5.50	5.35	7.50	7.70	5.45	4.70	5.60	5.75	5.15	4.55
120	02-21-90	2243	6.70	6.85	7.10	7.45	6.50	6.80	6.55	6.80	5.90	6.00
121	03-09-90	2259	2.95	3.20	2.90	2.85	1.90	2.20	2.60	2.70	3.10	3.55
122	04-17-90	2298	5.45	4.70	5.10	5.55	3.20	3.80	4.90	5.40	4.75	5.60
123	05-31-90	2342	7.15	7.05	7.10	7.40	4.70	5.10	6.00	6.70	6.20	6.10
124	06-28-90	2370	4.85	4.90	5.00	4.75	3.85	6.10	4.05	4.95	4.90	4.60
125	10-04-90	2468	10.20	22.10	20.60	20.05	26.30	26.20	20.80	21.30	21.50	20.20
126	04-15-91	2661	31.88	26.65	25.05	25.05	21.63	21.65	21.65	28.10	23.90	27.85
127	06-14-91	2721	7.40	12.45	7.50	10.80	8.30	30.00	8.90	10.50	8.80	12.30
128	09-20-91	2819	20.30	36.25	24.30	39.00	51.80	54.30	28.50	32.30	29.20	40.60

DAILY DRAINAGE (liters)

REC #	Date	Day	#1	#2	#3	Lysimeter		#6	#7	#8	#9	#10
						#4	#5					
129	12-02-91	2892	21.95	25.60	25.65	24.45	25.30	29.75	21.25	25.45	20.75	0.00
130	04-17-92	3029	51.55	55.75	54.00	57.00	54.00	52.50	54.00	58.00	55.00	0.00
131	08-13-92	3147	74.80	76.80	94.80	99.20	98.60	108.60	94.80	97.80	97.70	0.50
132	09-18-92	3183	20.00	20.60	15.00	17.70	19.00	19.30	20.00	20.00	20.50	2.30
133	12-15-92	3271	29.60	29.35	34.55	23.85	26.00	21.10	27.00	28.70	27.90	62.00
134	03-26-93	3372	164.00	196.00	168.00	228.00	261.00	259.00	184.00	179.00	212.00	0.00

APPENDIX D

RADIONUCLIDE RELEASE DATA

APPENDIX D

RADIONUCLIDE RELEASE DATA

This appendix contains five listings. The first four represent the measured radionuclide contents of individual drainage samples collected from the ten lysimeters at each sampling. The first two listings comprise the date of sampling, cumulative days since January 1, 1984, and the activity in microcuries per liter for each lysimeter.

The first listing, labeled NOT INTERPOLATED and NOT DECAY CORRECTED, contains as-measured data corrected to the day of sampling, and ignores the effects of decay over the nine years that data have been collected.

The second listing, labeled INTERPOLATED and NOT DECAY CORRECTED, uses a linear averaging scheme to assign a value for activity in drainage collected, but not analyzed, for solutes. This table allows one to estimate a value for the radionuclide content in all drainage, even when some samples were not analyzed to conserve funds. A linear change versus time was assumed between the last drainage that was measured and the next sample analyzed.

The third listing is a cumulative tally of the activity collected since the start of drainage in each lysimeter, allowing for estimates of activity in unanalyzed samples as indicated in the second listing. For any given sampling, the value in the table represents the sum of all activity (in microcuries) collected for the designated lysimeter up to that date. The values represent activity actually collected.

The fourth listing is similar to the third, except that the values are corrected for decay. This table allows one to evaluate the sum of all activity collected from a given lysimeter at a given date relative to the original inventory in the solidified waste at the time of burial. Such a comparison allows one to calculate the percentage of the original inventory that has reached the drains. As time goes forward, each drainage sample activity reflects a larger-than-measured portion of the original inventory; thus, the data in the fourth listing can be compared directly to the starting inventory to evaluate the percentage of activity leached and percentage remaining in the waste form and surrounding sediments.

The fifth listing summarizes the data for each lysimeter by year.

Daily Radionuclide Concentrations ($\mu\text{Ci/L}$)
 NOT Interpolated
 NOT Decay Corrected

REC #	Date	Day	#1	#2	#3	Lysimeter		#8	#9	#10
			^3H	^{60}Co	^{60}Co	^{60}Co	^3H	^{60}Co	^{60}Co	^{60}Co
1	10-26-84	299	0.171	0.000	0.000	0.000	0.070	0.000	0.000	
2	11-16-84	320								
3	01-24-85	389			0.000	0.000	0.140	0.000		0.000
4	02-13-85	409		0.000				0.002	0.001	0.000
5	03-11-85	435								
6	03-12-85	436						0.000	0.002	
7	03-29-85	453		0.000	0.001	0.001	2.890	0.001		0.000
8	04-04-85	459								
9	04-12-85	467								
10	06-20-85	536		0.000	0.004	0.004	3.370	0.002		
11	07-23-85	569								
12	08-14-85	591								
13	10-24-85	662	4.020	0.024	0.000	0.000	4.260	0.020	0.120	
14	01-30-86	760	5.160	0.001	0.087	0.055	4.300	0.044	0.188	0.000
15	02-22-86	783								
16	02-28-86	789								
17	03-07-86	796								
18	03-13-86	802								
19	03-21-86	810								
20	03-28-86	817								
21	04-03-86	823								
22	04-10-86	830								
23	04-17-86	837								
24	04-25-86	845	3.480	0.042	0.089	0.028	2.720	0.052	0.102	0.000
25	05-01-86	851								
26	05-08-86	858								
27	05-15-86	865								
28	05-22-86	872								
29	05-29-86	879								
30	06-06-86	887	2.550	0.059	0.169	0.025	2.570	0.094	0.173	
31	06-09-86	890								0.002
32	06-12-86	893								
33	06-19-86	900								0.000
34	06-26-86	907	2.730	0.052	0.133	0.027	2.440	0.059	0.331	
35	07-03-86	914								0.001
36	07-10-86	921	2.860	0.132	0.195	0.023	2.560	0.120	0.333	
37	07-17-86	928								
38	07-24-86	935	2.790	0.157	0.221	0.047	1.810	0.153	0.203	0.002
39	08-07-86	949								
40	08-13-86	955	2.530	0.160	0.244	0.052	2.390	0.112	0.201	0.001
41	08-28-86	970		0.115	0.208	0.050	1.850	0.122	0.195	0.000
42	09-10-86	983	2.570	0.108	0.214	0.068	2.310	0.145	0.187	0.000
43	09-25-86	998	3.510	0.097	0.249	0.061	3.090	0.116	0.246	0.000
44	10-02-86	1005	3.390	0.092	0.253	0.065	2.740	0.272	0.263	0.001
45	10-23-86	1026	3.380	0.094	0.227	0.075	2.950	0.142	0.233	0.000
46	11-06-86	1040	5.630	0.131	0.227	0.076	5.180	0.127	0.190	0.001
47	11-20-86	1054	2.340	0.082	0.227	0.066	2.230	0.100	0.162	
48	12-10-86	1074	2.430	0.071	0.188	0.074	2.180	0.091	0.177	
49	12-30-86	1094	2.520	0.071	0.174	0.077	2.230	0.107	0.191	0.000
50	01-13-87	1108	2.630	0.072	0.184	0.083	2.230	0.097	0.165	
51	01-26-87	1121	4.590	0.071	0.173	0.082	4.280	0.092	0.176	

Daily Radionuclide Concentrations ($\mu\text{Ci/L}$)
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REC #	Date	Day	#1	#2	#3	Lysimeter		#8	#9	#10
			^3H	^{60}Co	^{60}Co	^{60}Co	^3H	^{60}Co	^{60}Co	^{60}Co
52	02-09-87	1135	5.630	0.061	0.180	0.081	5.410	0.086	0.190	
53	03-09-87	1163	2.760	0.066	0.171	0.077	2.400	0.102	0.215	0.000
54	03-23-87	1177	2.140	0.067	0.165	0.089	2.820	0.106	0.211	
55	04-07-87	1192	2.540	0.055	0.175	0.107	2.810	0.072	0.136	
56	04-21-87	1206	2.280	0.045	0.168	0.120	2.980	0.059	0.123	
57	04-24-87	1209								0.001
58	05-08-87	1223	2.270	0.050	0.173	0.113	4.470	0.067	0.133	
59	05-27-87	1242	3.980	0.046	0.135	0.078	4.470	0.068	0.122	0.001
60	06-10-87	1256	2.560	0.060	0.159	0.110	3.460	0.077	0.170	
61	06-24-87	1270	2.620	0.074	0.163	0.097	3.440	0.089	0.197	0.001
62	07-08-87	1284	2.750	0.087	0.165	0.090	3.870	0.094	0.263	
63	07-22-87	1298	2.820	0.090	0.180	0.085	3.050	0.091	0.225	0.002
64	08-06-87	1313	3.650	0.097	0.166	0.067	3.930	0.086	0.183	
65	08-19-87	1326	3.390	0.085	0.148	0.061	3.770	0.084	0.143	0.001
66	09-03-87	1341	2.910	0.083	0.120	0.047	3.050	0.072	0.119	0.001
67	09-08-87	1346								
68	09-09-87	1347								0.001
69	09-17-87	1355	2.930	0.086	0.124	0.097	2.680	0.086	0.150	
70	10-01-87	1369	3.030	0.085	0.125	0.082	3.080	0.091	0.142	
71	10-17-87	1385	3.180	0.078	0.128	0.079	4.050	0.095	0.154	
72	10-29-87	1397	3.990	0.084	0.121	0.073	3.320	0.087	0.149	
73	11-18-87	1417	3.990	0.094	0.143	0.073	3.630	0.105	0.154	
74	11-30-87	1429	4.050	0.082	0.124	0.073	4.060	0.104	0.158	
75	12-18-87	1447	3.300	0.080	0.118	0.074	4.250	0.087	0.156	
76	01-06-88	1466	3.610	0.074	0.118	0.072	3.510	0.108	0.147	
77	01-20-88	1480	4.570	0.076	0.115	0.071	4.210	0.096	0.147	
78	02-04-88	1495	3.590	0.072	0.136	0.071	3.250	0.091	0.146	
79	02-17-88	1508	3.370	0.073	0.117	0.072	2.960	0.093	0.145	0.002
80	03-07-88	1527	3.730	0.079	0.138	0.074	3.440	0.103	0.163	0.002
81	03-08-88	1528								0.002
82	03-24-88	1544	3.100	0.076	0.130	0.081	3.210	0.098	0.152	0.002
83	04-07-88	1558	3.620	0.065	0.130	0.083	3.280	0.091	0.152	0.002
84	04-19-88	1570	3.440	0.060	0.012	0.095	3.030	0.081	0.136	0.003
85	05-04-88	1585	3.640	0.059	0.122	0.105	3.520	0.079	0.134	0.002
86	05-19-88	1600	3.230	0.059	0.110	0.106	3.620	0.074	0.148	0.000
87	06-02-88	1614	2.860	0.054	0.110	0.109	4.180	0.082	0.174	0.003
88	06-14-88	1626	2.340	0.057	0.127	0.096	3.820	0.088	0.214	0.003
89	06-29-88	1641	2.730	0.061	0.134	0.102	3.640	0.093	0.220	0.003
90	07-13-88	1655	2.320	0.070	0.162	0.095	3.300	0.094	0.233	0.003
91	07-27-88	1669	2.770	0.071	0.174	0.091	3.550	0.095	0.232	0.003
92	08-12-88	1685	2.810	0.077	0.164	0.094	3.160	0.082	0.193	0.003
93	08-26-88	1699	2.910	0.083	0.138	0.090	2.960	0.085	0.155	0.002
94	09-14-88	1718	2.930	0.078	0.123	0.093	3.370	0.074	0.113	0.002
95	10-06-88	1740	2.520	0.077	0.101	0.085	3.020	0.076	0.113	0.003
96	10-27-88	1761	3.190	0.067	0.088	0.081	4.020	0.073	0.117	0.003
97	11-11-88	1776	3.530	0.068	0.085	0.074	3.510	0.079	0.111	0.003
98	12-02-88	1797	3.730	0.069	0.096	0.069	3.620	0.084	0.107	0.002
99	12-19-88	1814	2.650	0.065	0.087	0.066	2.690	0.079	0.110	0.003
100	01-05-89	1831	3.380	0.069	0.086	0.068	3.590	0.072	0.113	0.003
101	01-24-89	1850	4.200	0.063	0.092	0.070	3.600	0.083	0.114	0.003
102	03-08-89	1893	4.090	0.058	0.083	0.062	3.360	0.082	0.105	0.000

Daily Radionuclide Concentrations ($\mu\text{Ci/L}$)
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REC #	Date	Day	#1	#2	#3	Lysimeter		#8	#9	#10
			^3H	^{60}Co	^{60}Co	^{60}Co	^3H	^{60}Co	^{60}Co	^{60}Co
103	03-22-89	1907	4.320	0.054	0.083	0.093	4.300	0.066	0.101	0.003
104	04-05-89	1921	4.120	0.026	0.057	0.078	3.740	0.060	0.041	0.002
105	04-20-89	1936	3.350	0.019	0.071	0.048	3.880	0.041	0.039	0.002
106	05-03-89	1949	3.120	0.018	0.081	0.040	4.170	0.034	0.048	0.002
107	05-19-89	1965	4.150	0.025	0.075	0.036	4.080	0.029	0.063	0.002
108	05-31-89	1977	4.630	0.033	0.088	0.038	3.880	0.036	0.076	0.003
109	06-15-89	1992	4.320	0.036	0.060	0.038	3.850	0.034	0.084	0.003
110	06-29-89	2006	4.510	0.046	0.078	0.046	3.910	0.039	0.102	0.003
111	07-11-89	2018	4.390	0.041	0.064	0.048	3.810	0.041	0.090	0.002
112	07-24-89	2031	4.190	0.044	0.057	0.058	3.940	0.038	0.095	0.002
113	08-14-89	2052	3.480	0.028	0.029	0.027	3.360	0.022	0.044	0.000
114	08-30-89	2068	3.750	0.030	0.031	0.047	3.170	0.035	0.056	0.002
115	09-13-89	2082	3.710	0.037	0.047	0.046	3.600	0.031	0.044	0.003
116	09-26-89	2095	3.140	0.039	0.048	0.047	3.340	0.030	0.053	0.002
117	11-08-89	2138	2.960	0.032	0.042	0.051	2.980	0.027	0.041	0.004
118	12-08-89	2168	2.800	0.037	0.044	0.045	3.170	0.029	0.047	0.004
119	01-05-90	2196	3.060	0.036	0.051	0.054	2.850	0.036	0.054	0.004
120	02-21-90	2243	2.670	0.037	0.047	0.053	2.780	0.032	0.053	0.005
121	03-09-90	2259	3.320	0.032	0.042	0.051	2.870	0.027	0.041	0.004
122	04-17-90	2298	3.450	0.027	0.046	0.044	2.890	0.038	0.057	0.004
123	05-31-90	2342	3.200	0.029	0.039	0.041	2.520	0.029	0.049	0.005
124	06-28-90	2370	3.220	0.025	0.044	0.042	2.370	0.029	0.048	0.004
125	10-04-90	2468	2.780	0.020	0.038	0.029	2.540	0.016	0.046	0.005
126	04-15-91	2661	2.810	0.025	0.042	0.042	2.770	0.023	0.048	0.003
127	06-14-91	2721	3.760	0.023	0.041	0.048	3.160	0.020	0.047	0.005
128	09-20-91	2819	2.500	0.023	0.022	0.027	2.930	0.011	0.023	0.002
129	12-02-91	2892	2.900	0.019	0.020	0.024	2.770	0.007	0.018	
130	04-17-92	3029	3.060	0.013	0.019	0.021	2.810	0.011	0.020	
131	08-13-92	3147	2.600	0.008	0.012	0.015	2.510	0.005	0.011	0.004
132	09-18-92	3183								
133	12-15-92	3271	1.940	0.008	0.008	0.017	1.890	0.005	0.006	0.009
134	03-26-93	3372								

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REC #	Date	Day	Lysimeter							
			#1 ^3H	#2 ^{60}Co	#3 ^{60}Co	#4 ^{60}Co	#7 ^3H	#8 ^{60}Co	#9 ^{60}Co	#10 ^{60}Co
1	10-26-84	299	0.171	0.000	0.000	0.000	0.070	0.000	0.000	
2	11-16-84	320								
3	01-24-85	389			0.000	0.000	0.140	0.000		0.000
4	02-13-85	409		0.000				0.002	0.001	0.000
5	03-11-85	435						0.000	0.002	
6	03-12-85	436						0.000	0.002	
7	03-29-85	453		0.000	0.001	0.001	2.890	0.001	0.011	0.000
8	04-04-85	459								0.000
9	04-12-85	467								0.000
10	06-20-85	536	2.684	0.000	0.004	0.004	3.370	0.002	0.054	0.000
11	07-23-85	569								0.000
12	08-14-85	591	3.267	0.010	0.002	0.002	3.758	0.010	0.083	
13	10-24-85	662	4.020	0.024	0.000	0.000	4.260	0.020	0.120	0.000
14	01-30-86	760	5.160	0.001	0.087	0.055	4.300	0.044	0.188	0.000
15	02-22-86	783						0.046	0.165	
16	02-28-86	789	4.587	0.015	0.088	0.046	3.761	0.047	0.159	
17	03-07-86	796				0.044				
18	03-13-86	802					3.519	0.048		
19	03-21-86	810	4.172	0.025	0.088	0.039	3.371	0.049	0.137	0.000
20	03-28-86	817	4.033	0.028	0.088	0.037	3.240	0.049	0.130	0.000
21	04-03-86	823	3.915	0.031	0.088	0.035	3.129	0.050	0.124	
22	04-10-86	830	3.776	0.035	0.089	0.033	2.999	0.051	0.117	
23	04-17-86	837	3.638	0.038	0.089	0.031	2.869	0.051	0.110	0.000
24	04-25-86	845	3.480	0.042	0.089	0.028	2.720	0.052	0.102	0.000
25	05-01-86	851	3.347	0.044	0.100	0.028	2.699	0.058	0.112	
26	05-08-86	858	3.192	0.047	0.114	0.027	2.674	0.065	0.124	0.001
27	05-15-86	865	3.037	0.050	0.127	0.027	2.649	0.072	0.136	
28	05-22-86	872	2.882	0.053	0.140	0.026	2.624	0.079	0.148	
29	05-29-86	879	2.727	0.056	0.154	0.026	2.599	0.086	0.159	
30	06-06-86	887	2.550	0.059	0.169	0.025	2.570	0.094	0.173	
31	06-09-86	890								0.002
32	06-12-86	893	2.604	0.057	0.158	0.026	2.531	0.084	0.220	
33	06-19-86	900	2.667	0.054	0.146	0.026	2.486	0.071	0.276	0.000
34	06-26-86	907	2.730	0.052	0.133	0.027	2.440	0.059	0.331	0.001
35	07-03-86	914	2.795	0.092	0.164	0.025	2.500	0.089	0.332	0.001
36	07-10-86	921	2.860	0.132	0.195	0.023	2.560	0.120	0.333	
37	07-17-86	928	2.825	0.144	0.208	0.035	2.185	0.136	0.268	0.002
38	07-24-86	935	2.790	0.157	0.221	0.047	1.810	0.153	0.203	0.002
39	08-07-86	949	2.608	0.159	0.237	0.050	2.216	0.124	0.202	
40	08-13-86	955	2.530	0.160	0.244	0.052	2.390	0.112	0.201	0.001
41	08-28-86	970	2.551	0.115	0.208	0.050	1.850	0.122	0.195	0.000
42	09-10-86	983	2.570	0.108	0.214	0.068	2.310	0.145	0.187	0.000
43	09-25-86	998	3.510	0.097	0.249	0.061	3.090	0.116	0.246	0.000
44	10-02-86	1005	3.390	0.092	0.253	0.065	2.740	0.272	0.263	0.001
45	10-23-86	1026	3.380	0.094	0.227	0.075	2.950	0.142	0.233	0.000
46	11-06-86	1040	5.630	0.131	0.227	0.076	5.180	0.127	0.190	0.001
47	11-20-86	1054	2.340	0.082	0.227	0.066	2.230	0.100	0.162	
48	12-10-86	1074	2.430	0.071	0.188	0.074	2.180	0.091	0.177	
49	12-30-86	1094	2.520	0.071	0.174	0.077	2.230	0.107	0.191	0.000
50	01-13-87	1108	2.630	0.072	0.184	0.083	2.230	0.097	0.165	
51	01-26-87	1121	4.590	0.071	0.173	0.082	4.280	0.092	0.176	

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REC #	Date	Day	Lysimeter							
			#1 ^3H	#2 ^{60}Co	#3 ^{60}Co	#4 ^{60}Co	#7 ^3H	#8 ^{60}Co	#9 ^{60}Co	#10 ^{60}Co
52	02-09-87	1135	5.630	0.061	0.180	0.081	5.410	0.086	0.190	
53	03-09-87	1163	2.760	0.066	0.171	0.077	2.400	0.102	0.215	0.000
54	03-23-87	1177	2.140	0.067	0.165	0.089	2.820	0.106	0.211	
55	04-07-87	1192	2.540	0.055	0.175	0.107	2.810	0.072	0.136	
56	04-21-87	1206	2.280	0.045	0.168	0.120	2.980	0.059	0.123	
57	04-24-87	1209								0.001
58	05-08-87	1223	2.270	0.050	0.173	0.113	4.470	0.067	0.133	
59	05-27-87	1242	3.980	0.046	0.135	0.078	4.470	0.068	0.122	0.001
60	06-10-87	1256	2.560	0.060	0.159	0.110	3.460	0.077	0.170	
61	06-24-87	1270	2.620	0.074	0.163	0.097	3.440	0.089	0.197	0.001
62	07-08-87	1284	2.750	0.087	0.165	0.090	3.870	0.094	0.263	
63	07-22-87	1298	2.820	0.090	0.180	0.085	3.050	0.091	0.225	0.002
64	08-06-87	1313	3.650	0.097	0.166	0.067	3.930	0.086	0.183	
65	08-19-87	1326	3.390	0.085	0.148	0.061	3.770	0.084	0.143	0.001
66	09-03-87	1341	2.910	0.083	0.120	0.047	3.050	0.072	0.119	0.001
67	09-08-87	1346				0.065				
68	09-09-87	1347								0.001
69	09-17-87	1355	2.930	0.086	0.124	0.097	2.680	0.086	0.150	
70	10-01-87	1369	3.030	0.085	0.125	0.082	3.080	0.091	0.142	
71	10-17-87	1385	3.180	0.078	0.128	0.079	4.050	0.095	0.154	
72	10-29-87	1397	3.990	0.084	0.121	0.073	3.320	0.087	0.149	
73	11-18-87	1417	3.990	0.094	0.143	0.073	3.630	0.105	0.154	
74	11-30-87	1429	4.050	0.082	0.124	0.073	4.060	0.104	0.158	
75	12-18-87	1447	3.300	0.080	0.118	0.074	4.250	0.087	0.156	
76	01-06-88	1466	3.610	0.074	0.118	0.072	3.510	0.108	0.147	
77	01-20-88	1480	4.570	0.076	0.115	0.071	4.210	0.096	0.147	
78	02-04-88	1495	3.590	0.072	0.136	0.071	3.250	0.091	0.146	
79	02-17-88	1508	3.370	0.073	0.117	0.072	2.960	0.093	0.145	0.002
80	03-07-88	1527	3.730	0.079	0.138	0.074	3.440	0.103	0.163	0.002
81	03-08-88	1528								0.002
82	03-24-88	1544	3.100	0.076	0.130	0.081	3.210	0.098	0.152	0.002
83	04-07-88	1558	3.620	0.065	0.130	0.083	3.280	0.091	0.152	0.002
84	04-19-88	1570	3.440	0.060	0.012	0.095	3.030	0.081	0.136	0.003
85	05-04-88	1585	3.640	0.059	0.122	0.105	3.520	0.079	0.134	0.002
86	05-19-88	1600	3.230	0.059	0.110	0.106	3.620	0.074	0.148	0.000
87	06-02-88	1614	2.860	0.054	0.110	0.109	4.180	0.082	0.174	0.003
88	06-14-88	1626	2.340	0.057	0.127	0.096	3.820	0.088	0.214	0.003
89	06-29-88	1641	2.730	0.061	0.134	0.102	3.640	0.093	0.220	0.003
90	07-13-88	1655	2.320	0.070	0.162	0.095	3.300	0.094	0.233	0.003
91	07-27-88	1669	2.770	0.071	0.174	0.091	3.550	0.095	0.232	0.003
92	08-12-88	1685	2.810	0.077	0.164	0.094	3.160	0.082	0.193	0.003
93	08-26-88	1699	2.910	0.083	0.138	0.090	2.960	0.085	0.155	0.002
94	09-14-88	1718	2.930	0.078	0.123	0.093	3.370	0.074	0.113	0.002
95	10-06-88	1740	2.520	0.077	0.101	0.085	3.020	0.076	0.113	0.003
96	10-27-88	1761	3.190	0.067	0.088	0.081	4.020	0.073	0.117	0.003
97	11-11-88	1776	3.530	0.068	0.085	0.074	3.510	0.079	0.111	0.003
98	12-02-88	1797	3.730	0.069	0.096	0.069	3.620	0.084	0.107	0.002
99	12-19-88	1814	2.650	0.065	0.087	0.066	2.690	0.079	0.110	0.003
100	01-05-89	1831	3.380	0.069	0.086	0.068	3.590	0.072	0.113	0.003
101	01-24-89	1850	4.200	0.063	0.092	0.070	3.600	0.083	0.114	0.003
102	03-08-89	1893	4.090	0.058	0.083	0.062	3.360	0.082	0.105	0.000

Daily Radionuclide Concentrations ($\mu\text{Ci/L}$)
Interpolated
NOT Decay Corrected

REC #	Date	Day	#1	#2	#3	Lysimeter		#8	#9	#10
			^3H	^{60}Co	^{60}Co	^{60}Co	^3H	^{60}Co	^{60}Co	^{60}Co
103	03-22-89	1907	4.320	0.054	0.083	0.093	4.300	0.066	0.101	0.003
104	04-05-89	1921	4.120	0.026	0.057	0.078	3.740	0.060	0.041	0.002
105	04-20-89	1936	3.350	0.019	0.071	0.048	3.880	0.041	0.039	0.002
106	05-03-89	1949	3.120	0.018	0.081	0.040	4.170	0.034	0.048	0.002
107	05-19-89	1965	4.150	0.025	0.075	0.036	4.080	0.029	0.063	0.002
108	05-31-89	1977	4.630	0.033	0.088	0.038	3.880	0.036	0.076	0.003
109	06-15-89	1992	4.320	0.036	0.060	0.038	3.850	0.034	0.084	0.003
110	06-29-89	2006	4.510	0.046	0.078	0.046	3.910	0.039	0.102	0.003
111	07-11-89	2018	4.390	0.041	0.064	0.048	3.810	0.041	0.090	0.002
112	07-24-89	2031	4.190	0.044	0.057	0.058	3.940	0.038	0.095	0.002
113	08-14-89	2052	3.480	0.028	0.029	0.027	3.360	0.022	0.044	0.000
114	08-30-89	2068	3.750	0.030	0.031	0.047	3.170	0.035	0.056	0.002
115	09-13-89	2082	3.710	0.037	0.047	0.046	3.600	0.031	0.044	0.003
116	09-26-89	2095	3.140	0.039	0.048	0.047	3.340	0.030	0.053	0.002
117	11-08-89	2138	2.960	0.032	0.042	0.051	2.980	0.027	0.041	0.004
118	12-08-89	2168	2.800	0.037	0.044	0.045	3.170	0.029	0.047	0.004
119	01-05-90	2196	3.060	0.036	0.051	0.054	2.850	0.036	0.054	0.004
120	02-21-90	2243	2.670	0.037	0.047	0.053	2.780	0.032	0.053	0.005
121	03-09-90	2259	3.320	0.032	0.042	0.051	2.870	0.027	0.041	0.004
122	04-17-90	2298	3.450	0.027	0.046	0.044	2.890	0.038	0.057	0.004
123	05-31-90	2342	3.200	0.029	0.039	0.041	2.520	0.029	0.049	0.005
124	06-28-90	2370	3.220	0.025	0.044	0.042	2.370	0.029	0.048	0.004
125	10-04-90	2468	2.780	0.020	0.038	0.029	2.540	0.016	0.046	0.005
126	04-15-91	2661	2.810	0.025	0.042	0.042	2.770	0.023	0.048	0.003
127	06-14-91	2721	3.760	0.023	0.041	0.048	3.160	0.020	0.047	0.005
128	09-20-91	2819	2.500	0.023	0.022	0.027	2.930	0.011	0.023	0.002
129	12-02-91	2892	2.900	0.019	0.020	0.024	2.770	0.007	0.018	
130	04-17-92	3029	3.060	0.013	0.019	0.021	2.810	0.011	0.020	
131	08-13-92	3147	2.600	0.008	0.012	0.015	2.510	0.005	0.011	0.004
132	09-18-92	3183	2.408	0.008	0.011	0.016	2.330	0.005	0.010	0.005
133	12-15-92	3271	1.940	0.008	0.008	0.017	1.890	0.005	0.006	0.009
134	03-26-93	3372	1.940	0.008	0.008	0.017	1.890	0.005	0.006	

Cumulative Radionuclide Release (μCi)
Used Interpolated Concentrations
NOT Decay Corrected

REC #	Date	Day	Lysimeter							
			#1 ^3H	#2 ^{60}Co	#3 ^{60}Co	#4 ^{60}Co	#7 ^3H	#8 ^{60}Co	#9 ^{60}Co	#10 ^{60}Co
1	10-26-84	299	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
2	11-16-84	320	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3	01-24-85	389	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4	02-13-85	409	0.2	0.0	0.0	0.0	0.1	0.3	0.2	0.0
5	03-11-85	435	0.2	0.0	0.0	0.0	0.1	0.4	0.4	0.0
6	03-12-85	436	0.2	0.0	0.0	0.0	0.1	0.4	0.5	0.0
7	03-29-85	453	0.2	0.0	0.0	0.0	24.9	0.4	0.7	0.0
8	04-04-85	459	0.2	0.0	0.0	0.0	24.9	0.4	0.7	0.0
9	04-12-85	467	0.2	0.0	0.0	0.0	24.9	0.4	0.7	0.0
10	06-20-85	536	134.9	0.0	0.2	0.2	251.4	0.5	3.4	0.0
11	07-23-85	569	134.9	0.0	0.2	0.2	251.4	0.5	3.4	0.0
12	08-14-85	591	225.4	0.3	0.3	0.3	354.4	0.7	5.6	0.0
13	10-24-85	662	322.7	0.9	0.3	0.3	459.6	1.1	8.1	0.0
14	01-30-86	760	469.8	0.9	2.4	1.7	598.5	2.7	10.7	0.0
15	02-22-86	783	469.8	0.9	2.4	1.7	598.5	6.5	29.3	0.0
16	02-28-86	789	702.8	1.5	5.8	4.2	696.3	7.1	32.9	0.0
17	03-07-86	796	702.8	1.5	5.8	6.3	696.3	7.1	32.9	0.0
18	03-13-86	802	702.8	1.5	5.8	6.3	1048.2	8.6	32.9	0.0
19	03-21-86	810	944.7	3.1	10.9	7.9	1156.1	9.1	33.5	0.0
20	03-28-86	817	1001.2	3.5	12.2	8.4	1201.4	10.1	35.7	0.0
21	04-03-86	823	1036.4	3.8	13.3	8.8	1245.2	10.8	37.3	0.0
22	04-10-86	830	1085.5	4.2	14.2	9.1	1278.2	11.4	38.5	0.0
23	04-17-86	837	1118.3	4.5	15.1	9.4	1304.0	11.8	39.7	0.0
24	04-25-86	845	1152.0	4.9	16.0	9.5	1329.6	12.3	40.5	0.0
25	05-01-86	851	1177.1	5.3	16.7	9.8	1352.3	12.8	41.3	0.0
26	05-08-86	858	1207.5	5.7	17.5	10.0	1372.3	13.3	42.2	0.0
27	05-15-86	865	1237.2	6.1	18.7	10.2	1396.2	13.9	43.2	0.0
28	05-22-86	872	1258.6	6.5	19.7	10.4	1416.4	14.5	44.1	0.0
29	05-29-86	879	1280.4	6.9	21.1	10.6	1433.2	15.2	45.2	0.0
30	06-06-86	887	1304.3	7.4	22.5	10.8	1456.6	16.1	46.6	0.0
31	06-09-86	890	1304.3	7.4	22.5	10.8	1456.6	16.1	46.6	0.1
32	06-12-86	893	1318.9	7.7	23.3	11.0	1470.8	16.6	47.8	0.1
33	06-19-86	900	1336.8	8.1	24.4	11.1	1487.2	17.2	49.7	0.1
34	06-26-86	907	1355.6	8.5	25.4	11.3	1502.8	17.6	52.1	0.1
35	07-03-86	914	1375.2	9.2	26.6	11.5	1518.3	18.3	54.6	0.1
36	07-10-86	921	1391.8	10.0	27.9	11.6	1531.1	19.0	56.7	0.1
37	07-17-86	928	1405.9	10.8	29.0	11.8	1541.0	19.8	58.1	0.1
38	07-24-86	935	1419.0	11.5	30.0	12.0	1550.0	20.5	59.1	0.1
39	08-07-86	949	1426.1	12.1	31.0	12.2	1557.8	21.0	59.9	0.1
40	08-13-86	955	1445.0	13.3	33.1	12.6	1573.5	21.8	61.5	0.1
41	08-28-86	970	1466.0	14.2	34.7	13.0	1584.8	22.7	62.9	0.1
42	09-10-86	983	1484.2	15.0	36.4	13.6	1597.8	23.6	64.1	0.1
43	09-25-86	998	1507.4	15.7	38.0	14.0	1614.1	24.4	65.7	0.1
44	10-02-86	1005	1524.7	16.2	39.5	14.3	1623.7	25.7	66.8	0.1
45	10-23-86	1026	1542.2	16.6	40.7	14.8	1635.8	26.4	67.7	0.1
46	11-06-86	1040	1559.7	17.1	41.4	15.0	1651.9	26.9	68.4	0.1
47	11-20-86	1054	1565.8	17.4	42.1	15.3	1657.5	27.2	68.8	0.1
48	12-10-86	1074	1571.9	17.7	42.7	15.5	1663.8	27.5	69.4	0.1
49	12-30-86	1094	1579.9	17.9	43.3	15.8	1670.9	27.8	69.9	0.1
50	01-13-87	1108	1584.1	18.1	43.5	16.0	1675.4	28.0	70.1	0.1
51	01-26-87	1121	1591.0	18.2	43.8	16.1	1683.1	28.1	70.3	0.1

Cumulative Radionuclide Release (μCi)
Used Interpolated Concentrations
NOT Decay Corrected

REC #	Date	Day	Lysimeter							
			#1 ^3H	#2 ^{60}Co	#3 ^{60}Co	#4 ^{60}Co	#7 ^3H	#8 ^{60}Co	#9 ^{60}Co	#10 ^{60}Co
52	02-09-87	1135	1598.3	18.3	43.9	16.3	1692.3	28.2	70.6	0.1
53	03-09-87	1163	1605.0	18.5	44.2	16.5	1701.6	28.5	71.0	0.1
54	03-23-87	1177	1608.4	18.8	44.6	16.8	1708.1	29.0	71.7	0.1
55	04-07-87	1192	1612.9	19.1	44.9	17.3	1716.8	29.3	72.2	0.1
56	04-21-87	1206	1623.4	19.4	45.3	18.0	1729.1	29.6	72.9	0.1
57	04-24-87	1209	1623.4	19.4	45.3	18.0	1729.1	29.6	72.9	0.1
58	05-08-87	1223	1640.0	19.8	46.0	19.0	1759.0	30.0	73.9	0.1
59	05-27-87	1242	1676.6	20.3	46.9	19.9	1775.1	30.3	74.8	0.2
60	06-10-87	1256	1701.2	20.9	48.0	20.8	1823.5	31.4	76.6	0.2
61	06-24-87	1270	1725.0	21.5	49.5	21.6	1859.0	32.3	78.5	0.2
62	07-08-87	1284	1750.6	22.3	51.2	22.5	1895.0	33.1	80.9	0.2
63	07-22-87	1298	1776.6	23.1	53.0	23.0	1923.0	33.9	82.9	0.2
64	08-06-87	1313	1808.3	24.0	54.4	23.6	1958.4	34.7	84.5	0.2
65	08-19-87	1326	1833.1	24.6	55.5	24.0	1985.9	35.3	85.5	0.2
66	09-03-87	1341	1853.7	25.2	56.4	24.4	2009.1	35.8	86.4	0.3
67	09-08-87	1346	1853.7	25.2	56.4	24.5	2009.1	35.8	86.4	0.3
68	09-09-87	1347	1853.7	25.2	56.4	24.5	2009.1	35.8	86.4	0.3
69	09-17-87	1355	1872.5	25.8	57.2	25.2	2027.6	36.4	87.3	0.3
70	10-01-87	1369	1890.7	26.4	57.9	25.8	2047.3	36.9	88.1	0.3
71	10-17-87	1385	1910.4	26.9	58.6	26.4	2074.8	37.4	89.0	0.3
72	10-29-87	1397	1927.5	27.3	59.1	26.8	2090.4	37.7	89.5	0.3
73	11-18-87	1417	1953.1	28.0	59.9	27.4	2115.5	38.3	90.4	0.3
74	11-30-87	1429	1973.3	28.4	60.6	27.7	2136.2	38.8	91.1	0.3
75	12-18-87	1447	1985.5	28.7	61.1	28.0	2148.9	39.1	91.7	0.3
76	01-06-88	1466	1996.7	28.9	61.4	28.2	2162.6	39.5	92.2	0.3
77	01-20-88	1480	2008.8	29.1	61.7	28.4	2173.6	39.7	92.4	0.3
78	02-04-88	1495	2016.4	29.2	62.0	28.6	2181.7	39.9	92.7	0.3
79	02-17-88	1508	2022.1	29.3	62.3	28.7	2188.1	40.1	92.9	0.3
80	03-07-88	1527	2032.4	29.4	62.6	28.9	2196.5	40.3	93.2	0.3
81	03-08-88	1528	2032.4	29.4	62.6	28.9	2196.5	40.3	93.2	0.3
82	03-24-88	1544	2038.6	29.6	62.8	29.1	2203.9	40.5	93.4	0.3
83	04-07-88	1558	2045.1	29.7	63.0	29.2	2209.6	40.6	93.6	0.3
84	04-19-88	1570	2051.1	29.8	63.0	29.4	2215.4	40.8	93.8	0.3
85	05-04-88	1585	2060.2	30.0	63.2	29.8	2223.5	41.0	94.1	0.3
86	05-19-88	1600	2068.6	30.2	63.5	30.3	2232.5	41.3	94.6	0.3
87	06-02-88	1614	2078.2	30.5	63.8	30.8	2245.3	41.6	95.3	0.3
88	06-14-88	1626	2085.3	30.7	64.1	31.2	2257.1	42.0	96.2	0.4
89	06-29-88	1641	2096.9	31.0	64.7	31.8	2271.3	42.5	97.4	0.4
90	07-13-88	1655	2107.8	31.3	65.5	32.3	2284.8	43.0	98.7	0.4
91	07-27-88	1669	2121.5	31.7	66.5	32.8	2300.5	43.5	100.0	0.4
92	08-12-88	1685	2138.1	32.2	67.5	33.3	2317.8	44.0	101.1	0.4
93	08-26-88	1699	2153.2	32.6	68.3	33.8	2331.5	44.5	101.9	0.4
94	09-14-88	1718	2173.7	33.1	69.2	34.5	2354.9	45.0	102.6	0.4
95	10-06-88	1740	2190.8	33.6	69.9	35.1	2373.9	45.6	103.5	0.5
96	10-27-88	1761	2207.7	34.0	70.5	35.7	2395.0	46.0	104.1	0.5
97	11-11-88	1776	2221.2	34.2	70.8	35.9	2407.9	46.3	104.5	0.5
98	12-02-88	1797	2237.3	34.5	71.2	36.2	2422.9	46.6	104.9	0.5
99	12-19-88	1814	2245.1	34.6	71.5	36.4	2431.7	46.9	105.3	0.5
100	01-05-89	1831	2254.1	34.8	71.7	36.6	2441.5	47.1	105.6	0.5
101	01-24-89	1850	2265.2	34.9	72.0	36.8	2451.4	47.3	105.8	0.5
102	03-08-89	1893	2285.4	35.2	72.4	37.1	2464.5	47.7	106.3	0.5

Cumulative Radionuclide Release (μCi)
 Used Interpolated Concentrations
 NOT Decay Corrected

REC #	Date	Day	Lysimeter							
			#1 ^3H	#2 ^{60}Co	#3 ^{60}Co	#4 ^{60}Co	#7 ^3H	#8 ^{60}Co	#9 ^{60}Co	#10 ^{60}Co
103	03-22-89	1907	2294.1	35.3	72.5	37.4	2475.7	47.8	106.9	0.6
104	04-05-89	1921	2316.5	35.6	72.6	38.4	2499.5	48.2	107.2	0.6
105	04-20-89	1936	2359.6	35.9	73.0	39.1	2549.7	48.7	107.6	0.6
106	05-03-89	1949	2398.4	36.1	73.6	39.6	2603.3	49.2	108.1	0.7
107	05-19-89	1965	2452.2	36.5	74.6	40.1	2661.4	49.6	108.9	0.7
108	05-31-89	1977	2492.2	36.8	75.2	40.4	2700.8	49.9	109.6	0.7
109	06-15-89	1992	2535.4	37.2	75.9	40.8	2745.1	50.3	110.4	0.7
110	06-29-89	2006	2572.8	37.6	76.6	41.2	2778.7	50.7	111.3	0.8
111	07-11-89	2018	2605.8	37.9	77.1	41.5	2809.2	51.0	112.0	0.8
112	07-24-89	2031	2640.6	38.3	77.6	42.0	2842.9	51.4	112.8	0.8
113	08-14-89	2052	2679.2	38.6	77.9	42.3	2881.9	51.6	113.3	0.8
114	08-30-89	2068	2709.6	38.8	78.2	42.7	2908.3	52.0	113.7	0.8
115	09-13-89	2082	2734.4	39.1	78.5	43.0	2935.5	52.2	114.1	0.9
116	09-26-89	2095	2752.9	39.3	78.8	43.3	2953.1	52.4	114.4	0.9
117	11-08-89	2138	2797.6	39.8	79.3	44.0	2989.7	52.8	114.9	0.9
118	12-08-89	2168	2820.6	40.0	79.7	44.3	3013.8	53.0	115.3	0.9
119	01-05-90	2196	2837.4	40.2	80.1	44.7	3029.8	53.2	115.6	1.0
120	02-21-90	2243	2855.3	40.5	80.4	45.1	3048.0	53.4	115.9	1.0
121	03-09-90	2259	2865.1	40.6	80.5	45.3	3055.4	53.5	116.0	1.0
122	04-17-90	2298	2883.9	40.7	80.8	45.5	3069.6	53.7	116.3	1.0
123	05-31-90	2342	2906.8	40.9	81.0	45.8	3084.7	53.9	116.6	1.1
124	06-28-90	2370	2922.4	41.0	81.2	46.0	3094.3	54.1	116.8	1.1
125	10-04-90	2468	2950.8	41.5	82.0	46.6	3147.1	54.4	117.8	1.2
126	04-15-91	2661	3040.3	42.2	83.1	47.7	3207.1	55.0	118.9	1.3
127	06-14-91	2721	3068.2	42.4	83.4	48.2	3235.2	55.3	119.4	1.3
128	09-20-91	2819	3118.9	43.3	83.9	49.2	3318.7	55.6	120.0	1.4
129	12-02-91	2892	3182.6	43.8	84.4	49.8	3377.6	55.8	120.4	1.4
130	04-17-92	3029	3340.3	44.5	85.5	51.0	3529.3	56.4	121.5	1.4
131	08-13-92	3147	3534.8	45.1	86.6	52.5	3767.3	56.9	122.6	1.4
132	09-18-92	3183	3582.9	45.3	86.8	52.8	3813.9	57.0	122.8	1.4
133	12-15-92	3271	3640.4	45.5	87.0	53.2	3864.9	57.2	122.9	2.0
134	03-26-93	3372	3958.5	47.1	88.4	57.1	4212.7	58.1	124.2	2.0

Cumulative Radionuclide Release (μCi)
 Used Interpolated Concentrations
 Decay Corrected

REC #	Date	Day	Lysimeter							
			#1 ^3H	#2 ^{60}Co	#3 ^{60}Co	#4 ^{60}Co	#7 ^3H	#8 ^{60}Co	#9 ^{60}Co	#10 ^{60}Co
1	10-26-84	299	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
2	11-16-84	320	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
3	01-24-85	389	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4	02-13-85	409	0.2	0.0	0.0	0.0	0.1	0.4	0.2	0.0
5	03-11-85	435	0.2	0.0	0.0	0.0	0.1	0.4	0.5	0.0
6	03-12-85	436	0.2	0.0	0.0	0.0	0.1	0.4	0.6	0.0
7	03-29-85	453	0.2	0.0	0.0	0.0	27.9	0.5	0.9	0.0
8	04-04-85	459	0.2	0.0	0.0	0.0	27.9	0.5	0.9	0.0
9	04-12-85	467	0.2	0.0	0.0	0.0	27.9	0.5	0.9	0.0
10	06-20-85	536	152.7	0.0	0.3	0.3	284.2	0.6	4.2	0.0
11	07-23-85	569	152.7	0.0	0.3	0.3	284.2	0.6	4.2	0.0
12	08-14-85	591	256.1	0.4	0.3	0.4	401.8	0.9	7.0	0.0
13	10-24-85	662	368.4	1.1	0.3	0.4	523.3	1.4	10.3	0.0
14	01-30-86	760	540.7	1.2	3.3	2.2	686.1	3.5	13.9	0.0
15	02-22-86	783	540.7	1.2	3.3	2.2	686.1	8.7	39.4	0.0
16	02-28-86	789	815.1	2.0	8.0	5.7	801.2	9.7	44.4	0.0
17	03-07-86	796	815.1	2.0	8.0	8.7	801.2	9.7	44.4	0.0
18	03-13-86	802	815.1	2.0	8.0	8.7	1216.3	11.6	44.4	0.0
19	03-21-86	810	1100.8	4.2	14.9	10.9	1343.7	12.5	45.2	0.0
20	03-28-86	817	1167.6	4.7	16.8	11.6	1397.4	13.8	48.3	0.0
21	04-03-86	823	1209.3	5.2	18.3	12.1	1449.2	14.8	50.4	0.0
22	04-10-86	830	1267.5	5.7	19.6	12.6	1488.3	15.5	52.2	0.0
23	04-17-86	837	1306.3	6.2	20.9	13.0	1518.9	16.2	53.8	0.0
24	04-25-86	845	1346.4	6.8	22.1	13.1	1549.3	16.9	55.0	0.0
25	05-01-86	851	1376.2	7.2	23.1	13.4	1576.2	17.5	56.1	0.0
26	05-08-86	858	1412.3	7.9	24.2	13.7	1600.1	18.3	57.4	0.0
27	05-15-86	865	1447.8	8.5	26.0	14.1	1628.5	19.2	58.8	0.0
28	05-22-86	872	1473.2	9.0	27.4	14.4	1652.6	20.0	60.1	0.0
29	05-29-86	879	1499.3	9.6	29.3	14.6	1672.8	20.9	61.6	0.0
30	06-06-86	887	1527.9	10.3	31.3	14.9	1700.7	22.3	63.6	0.0
31	06-09-86	890	1527.9	10.3	31.3	14.9	1700.7	22.3	63.6	0.1
32	06-12-86	893	1545.4	10.8	32.4	15.1	1717.7	23.0	65.3	0.1
33	06-19-86	900	1566.8	11.3	34.0	15.4	1737.3	23.8	68.0	0.1
34	06-26-86	907	1589.4	11.9	35.4	15.6	1756.0	24.5	71.5	0.1
35	07-03-86	914	1612.8	12.9	37.2	15.9	1774.6	25.4	75.1	0.1
36	07-10-86	921	1632.8	14.0	39.1	16.1	1790.0	26.4	78.1	0.1
37	07-17-86	928	1649.8	15.2	40.6	16.3	1801.9	27.6	80.2	0.2
38	07-24-86	935	1665.6	16.2	42.1	16.7	1812.8	28.6	81.6	0.2
39	08-07-86	949	1674.1	17.2	43.5	16.9	1822.1	29.3	82.8	0.2
40	08-13-86	955	1697.0	18.9	46.6	17.6	1841.2	30.5	85.1	0.2
41	08-28-86	970	1722.3	20.2	49.1	18.2	1854.8	31.9	87.1	0.2
42	09-10-86	983	1744.4	21.4	51.5	18.9	1870.5	33.2	89.0	0.2
43	09-25-86	998	1772.6	22.4	53.9	19.6	1890.4	34.3	91.3	0.2
44	10-02-86	1005	1793.7	23.1	56.1	20.1	1902.1	36.3	92.9	0.2
45	10-23-86	1026	1815.1	23.7	57.9	20.8	1916.9	37.3	94.3	0.2
46	11-06-86	1040	1836.5	24.5	59.0	21.1	1936.5	38.0	95.3	0.2
47	11-20-86	1054	1844.0	25.0	60.1	21.5	1943.4	38.5	95.9	0.2
48	12-10-86	1074	1851.4	25.4	60.9	21.9	1951.2	38.9	96.8	0.2
49	12-30-86	1094	1861.4	25.7	61.8	22.3	1960.0	39.4	97.6	0.2
50	01-13-87	1108	1866.6	25.9	62.1	22.6	1965.5	39.7	98.0	0.2
51	01-26-87	1121	1875.1	26.1	62.6	22.8	1975.0	39.9	98.3	0.2

Cumulative Radionuclide Release (μCi)
 Used Interpolated Concentrations
 Decay Corrected

REC #	Date	Day	#1 ^3H	#2 ^{60}Co	#3 ^{60}Co	Lysimeter #4 ^{60}Co		#7 ^3H	#8 ^{60}Co	#9 ^{60}Co	#10 ^{60}Co
52	02-09-87	1135	1884.2	26.3	62.9	23.0	1986.5	40.1	98.7	0.2	
53	03-09-87	1163	1892.5	26.6	63.3	23.4	1998.1	40.6	99.3	0.2	
54	03-23-87	1177	1896.8	27.1	64.0	23.8	2006.2	41.3	100.4	0.2	
55	04-07-87	1192	1902.5	27.7	64.4	24.6	2017.2	41.8	101.3	0.2	
56	04-21-87	1206	1915.7	28.1	65.0	25.8	2032.5	42.3	102.3	0.2	
57	04-24-87	1209	1915.7	28.1	65.0	25.8	2032.5	42.3	102.3	0.2	
58	05-08-87	1223	1936.5	28.8	66.1	27.3	2070.2	43.0	103.9	0.2	
59	05-27-87	1242	1982.8	29.5	67.6	28.8	2090.5	43.4	105.5	0.2	
60	06-10-87	1256	2013.9	30.5	69.3	30.4	2151.8	45.3	108.3	0.2	
61	06-24-87	1270	2044.1	31.6	71.8	31.7	2196.8	46.7	111.5	0.2	
62	07-08-87	1284	2076.6	32.9	74.6	33.1	2242.5	48.0	115.4	0.2	
63	07-22-87	1298	2109.7	34.2	77.5	33.9	2278.3	49.4	118.8	0.3	
64	08-06-87	1313	2150.2	35.6	79.9	34.9	2323.4	50.6	121.3	0.3	
65	08-19-87	1326	2181.9	36.6	81.8	35.7	2358.6	51.7	123.1	0.3	
66	09-03-87	1341	2208.4	37.6	83.2	36.2	2388.4	52.6	124.6	0.4	
67	09-08-87	1346	2208.4	37.6	83.2	36.5	2388.4	52.6	124.6	0.4	
68	09-09-87	1347	2208.4	37.6	83.2	36.5	2388.4	52.6	124.6	0.4	
69	09-17-87	1355	2232.5	38.6	84.6	37.7	2412.1	53.5	126.1	0.4	
70	10-01-87	1369	2255.9	39.6	85.8	38.6	2437.5	54.3	127.4	0.4	
71	10-17-87	1385	2281.3	40.5	87.1	39.6	2473.1	55.2	128.9	0.4	
72	10-29-87	1397	2303.5	41.2	87.9	40.3	2493.3	55.8	129.9	0.4	
73	11-18-87	1417	2336.7	42.4	89.3	41.3	2525.8	56.8	131.4	0.4	
74	11-30-87	1429	2363.0	43.1	90.5	41.9	2552.7	57.7	132.6	0.4	
75	12-18-87	1447	2378.9	43.6	91.3	42.4	2569.3	58.2	133.6	0.4	
76	01-06-88	1466	2393.5	44.0	91.9	42.8	2587.2	58.9	134.5	0.4	
77	01-20-88	1480	2409.4	44.3	92.5	43.2	2601.6	59.3	134.9	0.4	
78	02-04-88	1495	2419.3	44.5	93.0	43.4	2612.2	59.6	135.3	0.4	
79	02-17-88	1508	2426.8	44.7	93.4	43.7	2620.6	59.9	135.8	0.5	
80	03-07-88	1527	2440.4	45.0	94.0	44.0	2631.7	60.3	136.3	0.5	
81	03-08-88	1528	2440.4	45.0	94.0	44.0	2631.7	60.3	136.3	0.5	
82	03-24-88	1544	2448.6	45.2	94.4	44.3	2641.5	60.6	136.7	0.5	
83	04-07-88	1558	2457.2	45.4	94.7	44.6	2649.1	60.9	137.1	0.5	
84	04-19-88	1570	2465.2	45.7	94.7	45.0	2656.8	61.2	137.5	0.5	
85	05-04-88	1585	2477.4	46.0	95.2	45.7	2667.5	61.7	138.0	0.5	
86	05-19-88	1600	2488.6	46.4	95.6	46.6	2679.6	62.1	138.8	0.5	
87	06-02-88	1614	2501.4	46.9	96.2	47.6	2696.7	62.8	140.1	0.6	
88	06-14-88	1626	2510.9	47.3	96.8	48.3	2712.5	63.4	141.8	0.6	
89	06-29-88	1641	2526.5	47.8	97.9	49.3	2731.6	64.3	144.0	0.6	
90	07-13-88	1655	2541.2	48.5	99.4	50.3	2749.8	65.3	146.5	0.6	
91	07-27-88	1669	2559.7	49.2	101.3	51.2	2770.9	66.3	148.9	0.7	
92	08-12-88	1685	2582.1	50.0	103.2	52.3	2794.4	67.2	151.1	0.7	
93	08-26-88	1699	2602.6	50.8	104.6	53.2	2812.9	68.1	152.5	0.7	
94	09-14-88	1718	2630.5	51.8	106.4	54.4	2844.7	69.1	153.9	0.7	
95	10-06-88	1740	2653.7	52.8	107.7	55.6	2870.7	70.2	155.6	0.8	
96	10-27-88	1761	2676.9	53.5	109.0	56.8	2899.5	71.0	156.8	0.8	
97	11-11-88	1776	2695.5	54.0	109.6	57.3	2917.2	71.6	157.6	0.9	
98	12-02-88	1797	2717.6	54.5	110.4	57.9	2937.9	72.3	158.4	0.9	
99	12-19-88	1814	2728.4	54.9	110.9	58.3	2950.0	72.8	159.2	0.9	
100	01-05-89	1831	2740.8	55.2	111.4	58.6	2963.6	73.2	159.8	0.9	
101	01-24-89	1850	2756.2	55.5	111.9	59.0	2977.4	73.7	160.3	0.9	
102	03-08-89	1893	2784.5	56.0	112.7	59.7	2995.7	74.4	161.3	0.9	

Cumulative Radionuclide Release (μCi)
 Used Interpolated Concentrations
 Decay Corrected

REC #	Date	Day	Lysimeter							
			#1 ^3H	#2 ^{60}Co	#3 ^{60}Co	#4 ^{60}Co	#7 ^3H	#8 ^{60}Co	#9 ^{60}Co	#10 ^{60}Co
103	03-22-89	1907	2796.6	56.2	113.0	60.3	3011.3	74.7	162.5	1.0
104	04-05-89	1921	2828.1	56.8	113.2	62.3	3044.6	75.4	163.2	1.0
105	04-20-89	1936	2888.6	57.5	114.0	63.7	3115.3	76.7	164.0	1.1
106	05-03-89	1949	2943.3	58.0	115.3	64.9	3190.8	77.5	165.1	1.2
107	05-19-89	1965	3019.3	58.7	117.3	65.9	3272.9	78.4	166.7	1.2
108	05-31-89	1977	3075.9	59.3	118.7	66.5	3328.7	79.1	168.1	1.2
109	06-15-89	1992	3137.2	60.1	120.1	67.3	3391.5	80.0	169.9	1.3
110	06-29-89	2006	3190.4	61.0	121.6	68.2	3439.3	80.8	171.7	1.4
111	07-11-89	2018	3237.3	61.7	122.6	69.0	3482.7	81.6	173.3	1.5
112	07-24-89	2031	3286.9	62.5	123.7	70.0	3530.7	82.3	174.9	1.5
113	08-14-89	2052	3342.2	63.2	124.4	70.6	3586.5	82.8	176.0	1.5
114	08-30-89	2068	3385.8	63.7	125.1	71.5	3624.5	83.5	177.0	1.5
115	09-13-89	2082	3421.6	64.2	125.7	72.2	3663.6	84.0	177.8	1.6
116	09-26-89	2095	3448.3	64.7	126.3	72.8	3688.9	84.5	178.4	1.6
117	11-08-89	2138	3513.1	65.8	127.6	74.3	3742.1	85.3	179.6	1.7
118	12-08-89	2168	3546.6	66.4	128.4	75.1	3777.2	85.9	180.5	1.8
119	01-05-90	2196	3571.2	66.9	129.2	76.0	3800.5	86.4	181.1	1.9
120	02-21-90	2243	3597.6	67.5	130.0	77.0	3827.4	86.9	181.9	1.9
121	03-09-90	2259	3612.1	67.7	130.3	77.3	3838.4	87.0	182.1	2.0
122	04-17-90	2298	3640.1	68.0	130.9	77.9	3859.5	87.5	182.8	2.0
123	05-31-90	2342	3674.3	68.5	131.5	78.6	3882.1	88.0	183.5	2.1
124	06-28-90	2370	3697.8	68.8	132.1	79.1	3896.6	88.3	184.1	2.1
125	10-04-90	2468	3741.1	69.9	134.0	80.6	3977.2	89.2	186.6	2.4
126	04-15-91	2661	3882.0	71.7	136.9	83.4	4071.6	91.0	189.7	2.6
127	06-14-91	2721	3926.2	72.5	137.7	84.8	4116.2	91.5	190.8	2.8
128	09-20-91	2819	4008.0	74.9	139.3	87.9	4250.9	92.6	192.8	3.0
129	12-02-91	2892	4111.8	76.3	140.8	89.6	4346.9	93.1	193.9	3.0
130	04-17-92	3029	4374.5	78.6	143.9	93.3	4599.6	95.0	197.2	3.0
131	08-13-92	3147	4704.4	80.5	147.6	98.1	5003.2	96.6	200.7	3.0
132	09-18-92	3183	4786.6	81.1	148.1	99.0	5082.7	97.0	201.3	3.1
133	12-15-92	3271	4885.9	81.9	149.1	100.3	5170.9	97.4	201.9	5.0
134	03-26-93	3372	5444.7	87.4	153.8	113.9	5781.7	100.6	206.4	5.0

SUMMARY OF RADIONUCLIDE RELEASE DATA

Yearly Releases of Radionuclides

Year	Lysimeter							
	#1	#2	#3	#4	#7	#8	#9	#10
	³ H	⁶⁰ Co	⁶⁰ Co	⁶⁰ Co	³ H	⁶⁰ Co	⁶⁰ Co	⁶⁰ Co
'84 To '85 Total	322.709	0.877	0.272	0.294	459.593	1.093	8.066	0.0000
% Inv	6.206	0.001	0.000	0.000	7.790	0.001	0.005	0.0000
μCi/cm	82.139	0.180	0.069	0.067	93.729	0.061	0.460	0.0000
'85 To '86 Total	1143.253	13.366	34.469	12.754	1125.235	21.628	54.831	0.1263
% Inv	21.986	0.014	0.024	0.011	19.072	0.023	0.034	0.0001
μCi/cm	98.881	1.231	3.109	1.021	84.112	1.619	4.526	0.0099
'86 To '87 Total	387.761	10.936	21.636	11.325	424.260	13.117	23.517	0.1258
% Inv	7.457	0.012	0.015	0.010	7.191	0.014	0.014	0.0001
μCi/cm	80.201	2.024	4.732	2.153	88.376	2.591	4.815	0.0222
'87 To '88 Total	299.509	7.382	11.893	9.454	322.362	8.627	15.455	0.1829
% Inv	5.760	0.008	0.008	0.008	5.464	0.009	0.009	0.0001
μCi/cm	85.190	1.974	3.477	2.267	91.246	2.394	4.503	0.0568
'88 To '89 Total	556.322	6.268	9.924	8.890	576.889	7.500	11.854	0.3925
% Inv	10.699	0.007	0.007	0.008	9.778	0.008	0.007	0.0003
μCi/cm	98.704	1.035	1.908	1.443	97.937	1.235	2.083	0.0574
'89 To '90 Total	241.207	2.663	3.838	3.899	238.803	2.430	4.077	0.3571
% Inv	4.639	0.003	0.003	0.003	4.048	0.003	0.003	0.0003
μCi/cm	80.507	0.788	1.137	1.146	75.394	0.709	1.242	0.1091
'90 To '91 Total	231.798	2.273	2.407	3.210	230.462	1.390	2.606	0.2263
% Inv	4.458	0.002	0.002	0.003	3.906	0.001	0.002	0.0002
μCi/cm	74.685	0.591	0.766	0.849	75.388	0.379	0.828	0.0736
'91 To '92 Total	457.815	1.739	2.603	3.366	487.318	1.370	2.538	0.5903
% Inv	8.804	0.002	0.002	0.003	8.260	0.001	0.002	0.0004
μCi/cm	68.347	0.250	0.345	0.447	65.376	0.176	0.331	0.2393

Statistics on Yearly Releases

		Lysimeter							
		#1	#2	#3	#4	#7	#8	#9	#10
		³ H	⁶⁰ Co	⁶⁰ Co	⁶⁰ Co	³ H	⁶⁰ Co	⁶⁰ Co	⁶⁰ Co
Total μCi	Mean	454.65	6.25	12.06	7.12	482.51	7.97	17.20	0.20
	Std Dev	322.93	4.68	12.24	4.66	309.43	7.47	18.06	0.14
	CV %	71.03	74.86	101.43	65.46	64.13	93.76	104.98	68.28
% Inventory	Mean	8.74	0.01	0.01	0.01	8.18	0.01	0.01	0.00
	Std Dev	6.21	0.00	0.01	0.00	5.24	0.01	0.01	0.00
	CV %	71.03	74.86	101.43	65.46	64.13	93.76	104.98	68.28
μCi/cm	Mean	85.76	1.12	2.17	1.28	86.60	1.28	2.64	0.05
	Std Dev	9.44	0.69	1.67	0.76	8.77	0.97	1.92	0.04
	CV %	11.00	61.56	76.78	59.80	10.13	75.90	72.72	82.23

APPENDIX E

LEACHATE CHEMISTRY DATA

APPENDIX E

LEACHATE CHEMISTRY DATA

This appendix contains three listings of chemical information on the drainage solutions collected from each lysimeter. The first listing gives cation-anion balance reported in two ways. The first calculation shows the percentage difference in cations and anions using the equation

$$\% = 100 \frac{[\Sigma \text{ cations (meq/l)} - \Sigma \text{ anions (meq/L)}]}{1/2 [\Sigma \text{ cations} + \Sigma \text{ anions}]}$$

The second calculation shows the excess [positive (+) values] or deficiency [negative (-) values] in cations when compared to anions in units of milliequivalents per liter. The cation-anion balance is a quality check on the analytical measurements. Ideally, there should be no imbalance. However, an imbalance of $\pm 10\%$ is not uncommon for complicated solutions like waste form leachate. In general, the data fall within this tolerance range 83% of the time.

The second listing is the actual chemical analyses in milligrams per liter for each constituent measured for each sampling period for which chemical analyses were performed.

Based on the individual chemical analyses and volumes of drainage collected, the final listing shows the calculated mass (in grams) of each measured constituent that has been collected. Because chemical measurements were performed less frequently than drainage is collected, an interpolation scheme, as described in Appendix D, was used to assign concentration values for samples not actually measured. For later years, when the lysimeters were drained less frequently, no interpolation has been necessary. Corrections were necessary only for early years when drainage was collected monthly (or even more frequently) but chemical analyses were performed only quarterly.

For some constituents, notably radionuclides (Appendix D), the cumulative mass collected in drainage can be assumed to be mass leached from waste forms, because precipitation (rain and snow) and the soil in the lysimeters add only minor amounts. For other constituents, such as calcium, magnesium, and nitrate, the solidification agents and soil also contribute to the available inventory. Because the exact compositions of the solidification agents and soil were not measured, for many chemicals it is not possible to calculate precise percentages of the waste form's initial inventory that have leached, as was done for radionuclides in Appendix D.

DAILY MEASUREMENTS

Cation - Anion Balance (%)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-23-84	296	3.8	18.0	8.0	28.1	26.0	2.3	9.6	2.9	10.6	19.5
03-29-85	453	6.2	15.4	7.0	-23.8	26.0	5.0	9.6	6.4	9.0	19.5
06-20-85	536	7.7	11.8	16.0	10.3	26.0	6.7	13.0	11.0	7.1	14.3
04-25-86	845	37.2	3.9	-2.5	7.1	26.0	16.5	9.0	-3.4	-4.8	6.2
07-24-86	935	-0.0	4.8	2.7	8.1	2.2	1.6	-13.8	-22.7	-2.1	0.2
11-06-86	1040	3.2	3.3	-0.6	4.8	1.5	-3.0	0.9	-2.9	-0.2	-3.6
02-09-87	1135	2.2	-2.4	0.2	6.0	-0.5	-10.0	-3.3	1.7	-1.6	-4.4
05-27-87	1242	-2.7	25.1	-9.1	4.1	1.2	-1.0	0.3	0.3	-1.1	-5.1
08-19-87	1326	2.0	1.1	-0.5	3.5	3.8	-5.5	-11.3	12.4	13.1	4.4
11-30-87	1429	-0.8	-0.0	0.7	2.0	-0.1	-2.6	-3.9	2.7	2.7	-0.3
03-07-88	1527	2.5	-3.4	-2.6	0.9	1.4	4.0	-0.6	-7.2	-3.5	-2.6
06-02-88	1614	1.2	0.2	4.3	5.2	2.0	4.5	2.7	2.4	3.7	4.8
10-27-88	1761	3.7	1.1	0.7	-0.9	0.5	3.8	1.9	-2.4	-0.5	-1.4
01-24-89	1850	4.5	-1.4	0.8	4.5	2.2	3.7	9.5	0.5	1.3	7.6
04-26-89	1942	1.4	0.8	0.8	1.2	-5.4	0.4	22.3	-0.2	4.3	2.8
07-24-89	2031	2.1	2.6	1.9	3.0	-0.8	3.0	2.0	-0.8	-1.6	-3.8
11-08-89	2138	2.7	0.1	-0.4	-0.2	4.3	4.7	3.8	1.6	1.6	2.9
02-21-90	2243	-2.0	6.9	1.4	4.1	-13.5	-6.0	1.4	2.2	1.7	0.7
05-31-90	2342	10.4	-0.7	-0.3	-1.0	8.5	-0.1	3.8	-1.3	-2.2	-0.8
12-02-91	2892	-11.7	-4.6	-4.5	-4.4	-15.3	-4.0	-13.5	0.9	0.2	3.3
04-17-92	3029	53.4	-0.7	-0.7	-2.1	23.1	17.6	-19.3	3.3	1.9	3.8
08-13-92	3147	-21.2	3.0	5.3	3.5	-8.0	-5.3	-17.5	4.6	5.1	4.2
12-15-92	3271	-16.8	-1.0	3.0	4.1	-0.7	6.9	-13.0	-1.2	0.7	0.9

Cation - Anion Balance (meq/L)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-23-84	296	0.7	3.8	1.3	10.3	2.1	0.4	2.3	0.7	2.6	1.1
03-29-85	453	1.0	2.1	0.7	-14.4	2.1	0.8	1.7	0.9	1.0	1.1
06-20-85	536	1.2	1.6	1.7	2.8	2.1	1.0	2.0	1.5	1.0	1.1
04-25-86	845	3.4	2.2	-2.2	3.2	2.1	1.8	0.8	-2.0	-4.3	0.9
07-24-86	935	-0.0	8.6	6.7	5.2	0.2	0.2	-1.4	-42.7	-5.8	0.0
11-06-86	1040	0.4	6.7	-1.9	8.9	0.2	-0.4	0.1	-7.1	-0.6	-0.6
02-09-87	1135	0.4	-5.8	0.7	14.6	-0.1	-2.0	-0.4	4.6	-5.2	-0.9
05-27-87	1242	-0.3	65.6	-27.6	11.1	0.1	-0.1	0.0	0.9	-3.5	-1.3
08-19-87	1326	0.3	3.1	-2.6	8.8	0.5	-0.8	-1.2	45.2	48.6	1.2
11-30-87	1429	-0.1	-0.1	2.4	6.3	-0.0	-0.4	-0.5	9.9	9.1	-0.1
03-07-88	1527	0.4	-11.3	-11.0	2.6	0.2	0.6	-0.1	-26.6	-12.9	-0.8
06-02-88	1614	0.2	0.6	15.1	21.0	0.3	0.6	0.3	8.7	18.8	1.5
10-27-88	1761	0.5	3.3	3.2	-3.8	0.1	0.5	0.2	-9.9	-1.7	-0.5
01-24-89	1850	0.8	-4.8	3.5	15.4	0.4	0.6	1.2	2.0	5.1	3.0
04-26-89	1942	0.2	1.3	2.7	3.2	-0.5	0.0	1.7	-0.5	6.8	0.8
07-24-89	2031	0.2	7.4	8.5	8.0	-0.1	0.3	0.2	-3.0	-8.5	-1.2
11-08-89	2138	0.3	0.4	-1.5	-0.8	0.6	0.6	0.4	5.0	5.4	1.0
02-21-90	2243	-0.3	19.1	4.5	13.0	-2.4	-0.9	0.2	6.6	5.6	0.3
05-31-90	2342	1.3	-1.9	-0.8	-3.2	1.5	-0.0	0.4	-3.9	-7.2	-0.3
12-02-91	2892	-1.2	-14.0	-19.2	-11.2	-2.1	-0.5	-1.5	2.7	0.7	2.5
04-17-92	3029	14.0	-1.6	-2.8	-4.7	1.9	1.4	-2.2	7.0	6.3	3.2
08-13-92	3147	-2.4	8.8	17.4	6.7	-0.8	-0.5	-1.8	11.7	15.3	3.8
12-15-92	3271	-1.9	-2.7	8.7	7.6	-0.1	0.7	-1.4	-2.8	2.4	0.9

DAILY MEASUREMENTS

Barium (mg/L)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Date	Day										
10-23-84	296	0.12	0.13	0.11	0.18	0.05	0.15	0.13	0.13	0.12	0.04
03-29-85	453	0.19	0.25	0.26	0.35	0.05	0.12	0.32	0.25	0.24	0.04
06-20-85	536	0.23	0.24	0.23	0.31	0.05	0.11	0.26	0.26	0.26	0.05
04-25-86	845	0.06	0.15	0.17	0.14	0.05	0.06	0.05	0.18	0.22	0.08
07-24-86	935	0.06	0.52	0.20	0.22	0.06	0.07	0.05	0.41	0.26	0.09
11-06-86	1040	0.08	0.05	0.14	0.19	0.07	0.09	0.08	0.06	0.21	0.11
02-09-87	1135	0.12	0.19	0.10	0.38	0.08	0.12	0.07	0.21	0.18	0.13
05-27-87	1242	0.08	0.07	0.14	0.12	0.06	0.06	0.07	0.14	0.13	0.16
08-19-87	1326	0.09	0.07	0.05	0.28	0.08	0.09	0.04	0.12	0.07	0.16
11-30-87	1429	0.09	0.19	0.07	0.32	0.10	0.10	0.07	0.18	0.08	0.19
03-07-88	1527	0.11	0.18	0.08	0.28	0.11	0.11	0.08	0.10	0.05	0.20
06-02-88	1614	0.13	0.11	0.07	0.21	0.08	0.08	0.08	0.04	0.02	0.22
10-27-88	1761	0.09	0.11	0.02	0.24	0.09	0.09	0.07	0.03	0.02	0.24
01-24-89	1850	0.12	0.11	0.02	0.27	0.10	0.10	0.08	0.02	0.01	0.24
04-26-89	1942	0.07	0.01	0.02	0.19	0.05	0.05	0.06	0.02	0.01	0.17
07-24-89	2031	0.05	0.00	0.00	0.22	0.07	0.07	0.06	0.00	0.00	0.19
11-08-89	2138	0.06	0.00	0.00	0.28	0.09	0.07	0.06	0.00	0.00	0.22
02-21-90	2243	0.07	0.02	0.00	0.41	0.10	0.08	0.64	0.04	0.00	0.24
05-31-90	2342	0.07	0.00	0.00	0.36	0.10	0.00	0.07	0.00	0.00	0.26
12-02-91	2892	0.16	0.00	0.00	0.24	0.06	0.07	0.08	0.00	0.00	0.26
04-17-92	3029	0.16	0.00	0.00	0.24	0.06	0.07	0.08	0.00	0.00	0.26
08-13-92	3147	0.16	0.00	0.00	0.24	0.06	0.07	0.08	0.00	0.00	0.26
12-15-92	3271	0.16	0.00	0.00	0.24	0.06	0.07	0.08	0.00	0.00	0.26

Calcium (mg/L)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Date	Day										
10-23-84	296	54.7	47.1	51.8	62.0	59.1	90.0	96.1	76.0	142.0	41.0
03-29-85	453	83.0	41.0	44.0	148.0	59.1	85.5	81.0	92.0	70.0	41.0
06-20-85	536	98.0	94.0	74.0	190.0	59.1	83.1	102.0	94.0	92.0	50.4
04-25-86	845	74.9	263.0	350.0	183.0	59.1	74.2	56.7	252.0	272.0	85.3
07-24-86	935	70.0	610.0	640.0	320.0	66.0	85.0	51.0	48.0	34.0	97.0
11-06-86	1040	66.3	510.0	520.0	585.0	69.4	81.9	69.4	424.0	445.0	104.0
02-09-87	1135	84.1	622.0	579.0	829.0	88.5	98.2	65.9	513.0	511.0	120.5
05-27-87	1242	69.0	450.0	590.0	320.0	58.1	64.4	56.8	310.0	330.0	139.0
08-19-87	1326	67.7	465.0	254.0	343.0	77.1	83.4	54.8	312.0	215.0	178.0
11-30-87	1429	69.6	530.0	323.0	398.0	88.1	78.9	53.1	364.0	309.0	162.0
03-07-88	1527	69.8	590.0	364.0	551.0	95.5	82.5	56.8	339.0	261.0	172.0
06-02-88	1614	78.2	374.0	337.0	571.0	72.4	73.4	58.7	157.0	104.0	196.0
10-27-88	1761	51.3	304.0	110.0	459.0	73.5	77.2	46.8	116.0	88.5	200.0
01-24-89	1850	79.6	336.0	115.0	573.0	89.8	88.2	60.7	105.0	55.0	249.0
04-26-89	1942	56.7	95.0	107.0	328.0	50.9	49.0	46.7	115.0	57.0	163.0
07-24-89	2031	48.3	68.2	37.7	241.0	59.0	62.1	45.7	46.7	32.0	163.0
11-08-89	2138	47.0	74.0	46.0	267.0	71.0	68.0	46.0	39.7	37.5	189.0
02-21-90	2243	55.8	72.0	46.0	396.0	75.8	69.3	47.7	46.0	32.0	229.0
05-31-90	2342	58.2	80.2	54.8	456.0	89.8	75.2	52.6	48.3	33.7	234.0
12-02-91	2892	44.2	47.2	36.9	301.0	58.5	55.8	45.2	35.2	27.1	124.6
04-17-92	3029	49.4	30.9	23.6	314.0	50.6	46.4	49.9	26.2	24.8	97.4
08-13-92	3147	47.4	26.1	21.8	235.0	48.3	51.4	44.0	29.3	20.5	73.9
12-15-92	3271	45.5	27.7	26.2	185.0	47.0	53.2	45.0	23.5	19.3	319.0

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Barium Released (g)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
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DAILY MEASUREMENTS

Potassium (mg/L)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-23-84	296	10.4	78.7	32.9	286.0	6.4	5.1	46.0	5.2	6.5	3.8
03-29-85	453	10.4	78.7	32.9	286.0	6.4	5.1	46.0	5.2	6.5	3.8
06-20-85	536	10.4	6.9	6.6	10.3	6.4	5.1	9.7	7.4	8.2	3.8
04-25-86	845	7.3	7.4	10.0	10.0	6.4	5.1	6.4	7.4	15.0	4.0
07-24-86	935	0.0	17.0	24.0	7.0	0.0	0.0	0.0	24.0	52.0	0.0
11-06-86	1040	29.0	43.0	67.0	52.0	19.0	17.0	21.0	56.0	58.0	11.0
02-09-87	1135	33.1	45.1	74.4	52.7	6.0	24.2	7.0	54.0	65.0	11.5
05-27-87	1242	19.0	61.0	54.0	46.0	12.0	9.0	19.0	60.0	46.0	12.0
08-19-87	1326	30.0	63.0	105.0	69.0	25.0	6.7	3.0	69.0	100.0	11.0
11-30-87	1429	33.0	66.0	90.0	73.0	26.0	26.0	26.0	85.0	83.0	22.0
03-07-88	1527	34.0	50.0	69.0	52.0	23.0	28.0	26.0	60.0	61.0	21.0
06-02-88	1614	45.0	52.0	93.0	75.0	21.0	17.0	28.0	80.0	170.0	23.0
10-27-88	1761	43.3	66.7	104.0	87.0	28.7	24.8	33.0	101.0	94.1	36.0
01-24-89	1850	46.0	66.0	91.0	75.0	29.0	31.0	34.0	90.0	87.0	31.0
04-26-89	1942	26.6	20.0	82.0	42.0	10.5	9.5	20.1	54.0	40.0	20.0
07-24-89	2031	20.3	38.0	92.0	53.0	19.2	15.4	21.7	127.0	225.0	24.8
11-08-89	2138	25.6	46.0	91.0	69.0	28.2	18.1	28.7	128.0	130.0	28.4
02-21-90	2243	28.0	51.0	75.0	73.0	33.0	22.0	26.0	100.0	94.0	32.0
05-31-90	2342	36.9	53.6	77.8	77.1	45.2	28.3	30.2	98.3	93.7	35.5
12-02-91	2892	0.0	0.0	0.0	0.0	17.6	15.7	0.0	81.0	105.0	45.4
04-17-92	3029	20.0	53.7	53.7	53.7	16.0	12.0	0.0	0.0	75.5	47.9
08-13-92	3147	0.0	100.0	100.0	100.0	8.0	8.0	0.0	80.0	50.0	50.0
12-15-92	3271	0.0	0.0	0.0	0.0	14.0	14.0	0.0	0.0	60.0	18.0

Magnesium (mg/L)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-23-84	296	11.0	9.9	7.7	18.6	14.2	20.7	16.2	16.0	19.6	10.4
03-29-85	453	18.3	11.5	11.3	44.9	14.2	20.0	15.7	21.4	16.4	10.4
06-20-85	536	22.2	20.8	16.3	42.8	14.2	19.6	24.0	21.1	20.3	12.5
04-25-86	845	18.5	70.7	94.0	45.0	14.2	18.2	13.2	72.0	96.5	20.3
07-24-86	935	16.0	180.0	220.0	73.0	15.0	20.0	11.0	210.0	200.0	22.0
11-06-86	1040	14.5	188.0	260.0	174.0	16.3	17.0	21.0	56.0	58.0	11.0
02-09-87	1135	19.2	229.0	286.0	265.0	19.9	23.0	14.1	227.0	237.0	21.3
05-27-87	1242	17.2	195.0	168.0	126.0	14.1	16.0	13.0	134.0	144.0	33.0
08-19-87	1326	14.3	141.0	118.0	86.4	16.1	18.1	11.3	147.0	95.1	36.7
11-30-87	1429	15.0	177.0	129.0	105.0	19.3	17.8	11.1	183.0	123.0	34.6
03-07-88	1527	17.1	204.0	160.0	140.0	22.0	19.8	12.2	188.0	141.0	42.7
06-02-88	1614	17.4	120.0	136.0	134.0	15.8	16.6	11.9	126.0	92.0	42.0
10-27-88	1761	11.4	104.0	59.0	97.2	15.6	17.2	9.3	83.3	49.0	41.3
01-24-89	1850	16.2	142.0	91.4	140.0	17.6	17.6	10.9	119.0	76.6	51.0
04-26-89	1942	13.8	23.0	83.7	77.0	12.0	12.0	10.5	60.0	36.0	37.4
07-24-89	2031	11.5	43.8	25.3	63.2	13.1	15.0	10.3	27.1	14.3	36.4
11-08-89	2138	10.5	41.7	25.2	67.0	15.8	15.6	9.8	18.4	11.2	40.1
02-21-90	2243	12.6	56.0	33.0	95.0	17.2	15.6	10.2	32.0	20.0	44.8
05-31-90	2342	12.7	50.6	34.1	107.0	19.9	16.3	10.8	30.3	18.6	47.7
12-02-91	2892	10.2	29.3	24.6	63.6	12.0	12.7	9.8	10.3	9.6	36.3
04-17-92	3029	12.4	13.0	14.0	49.0	12.0	11.0	12.4	9.3	10.3	33.4
08-13-92	3147	10.0	10.4	8.4	33.8	11.2	12.1	9.1	6.0	8.0	31.0
12-15-92	3271	11.1	9.9	0.0	34.5	10.7	12.0	10.0	3.1	4.4	73.3

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Barium Released (g)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Date	Day										

DAILY MEASUREMENTS

Sodium (mg/L)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Date	Day										
10-23-84	296	127	168	106	266	20	71	130	153	110	11
03-29-85	453	64	64	32	105	20	56	66	22	18	11
06-20-85	536	31	25	22	34	20	48	30	21	22	15
04-25-86	845	17	241	405	261	20	19	18	207	486	32
07-24-86	935	22	1100	1700	290	25	24	23	1200	2600	37
11-06-86	1040	36	1470	2650	1220	31	30	38	2100	2290	45
02-09-87	1135	45	1500	3010	1500	34	36	34	2050	2530	45
05-27-87	1242	21	2830	2130	2570	22	17	27	2910	3030	45
08-19-87	1326	34	2500	5370	2450	31	18	21	4030	4330	55
11-30-87	1429	40	2470	3660	2980	38	36	35	3550	3330	63
03-07-88	1527	45	2580	4040	2550	37	36	38	3150	3510	71
06-02-88	1614	56	2460	3550	3940	27	25	38	3780	5700	62
10-27-88	1761	44	3060	5160	3900	35	32	36	4190	4020	79
01-24-89	1850	76	3300	4770	3130	35	40	43	4040	4220	93
04-26-89	1942	27	1680	3590	2600	20	18	24	2560	1720	64
07-24-89	2031	24	3180	5060	2740	27	23	26	4010	5680	67
11-08-89	2138	34	2890	4400	3900	35	28	35	3400	3840	85
02-21-90	2243	39	3180	3660	3140	37	35	35	3360	3620	100
05-31-90	2342	45	2800	3300	2800	46	43	40	3200	3600	100
12-02-91	2892	37	3200	4610	2320	32	30	42	3240	4140	653
04-17-92	3029	369	2600	4300	2050	28	27	26	2500	3800	791
08-13-92	3147	31	3330	3900	1860	25	24	28	2950	3530	910
12-15-92	3271	35	3000	3400	1940	32	36	41	2530	3680	614

Strontium (mg/L)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Date	Day										
10-23-84	296	0.32	0.29	0.39	0.42	0.27	0.52	0.60	0.56	0.71	0.14
03-29-85	453	0.41	0.23	0.31	0.83	0.27	0.46	0.40	0.34	0.30	0.14
06-20-85	536	0.46	0.42	0.33	0.88	0.27	0.43	0.45	0.40	0.40	0.20
04-25-86	845	0.32	1.03	1.43	0.78	0.27	0.32	0.25	1.00	1.25	0.40
07-24-86	935	0.30	2.60	2.80	1.40	0.30	0.40	0.20	2.20	1.90	0.40
11-06-86	1040	0.30	2.40	2.67	2.78	0.33	0.36	0.31	1.96	2.09	0.47
02-09-87	1135	0.38	2.90	2.61	3.91	0.40	0.42	0.28	2.26	2.35	0.57
05-27-87	1242	0.32	2.40	1.82	2.56	0.37	0.38	0.25	1.72	1.58	0.67
08-19-87	1326	0.28	2.00	1.20	1.50	0.35	0.35	0.23	1.30	0.98	0.76
11-30-87	1429	0.31	2.47	1.50	1.83	0.42	0.36	0.24	1.66	1.39	0.74
03-07-88	1527	0.35	2.70	1.61	2.34	0.47	0.90	0.27	1.57	1.57	0.88
06-02-88	1614	0.38	1.70	1.50	2.30	0.34	0.31	0.27	0.80	0.55	0.89
10-27-88	1761	0.26	1.55	0.56	1.93	0.36	0.35	0.23	0.65	0.48	0.93
01-24-89	1850	0.35	1.60	0.62	2.20	0.39	0.35	0.24	0.61	0.34	0.99
04-26-89	1942	0.26	0.34	0.61	1.36	0.23	0.21	0.21	0.59	0.29	0.71
07-24-89	2031	0.21	0.32	0.21	1.06	0.27	0.28	0.21	0.23	0.17	0.71
11-08-89	2138	0.22	0.35	0.23	1.20	0.34	0.28	0.21	0.19	0.21	0.81
02-21-90	2243	0.26	0.44	0.26	1.76	0.36	0.31	0.22	0.26	0.18	0.92
05-31-90	2342	0.27	0.45	0.28	1.90	0.41	0.34	0.24	0.25	0.19	0.10
12-02-91	2892	0.24	0.28	0.22	1.30	0.27	0.27	0.22	0.18	0.16	0.34
04-17-92	3029	0.24	0.21	0.18	1.10	0.26	0.27	0.23	0.16	0.15	0.40
08-13-92	3147	0.24	0.16	0.14	0.93	0.24	0.26	0.23	0.15	0.14	0.45
12-15-92	3271	0.21	0.10	0.10	0.75	0.23	0.26	0.20	0.07	0.08	1.36

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Barium Released (g)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
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DAILY MEASUREMENTS

Fluoride (mg/L)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-23-84	296	9.20	12.10	14.30	25.40	0.00	0.50	17.20	13.10	24.50	0.50
03-29-85	453	3.51	0.50	0.40	4.10	0.00	0.38	0.50	0.60	0.60	0.50
06-20-85	536	0.50	0.60	0.50	0.50	0.00	0.31	0.50	0.50	0.70	0.41
04-25-86	845	0.11	0.14	0.11	0.11	0.00	0.07	0.11	0.11	0.16	0.09
07-24-86	935	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11-06-86	1040	0.00	0.00	0.00	0.00	0.40	0.40	0.70	0.00	0.00	0.60
02-09-87	1135	0.60	5.80	11.00	2.40	0.00	0.00	0.00	7.10	8.90	0.32
05-27-87	1242	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08-19-87	1326	0.60	9.00	17.00	8.00	0.00	0.00	0.80	10.00	11.00	0.80
11-30-87	1429	0.55	0.40	0.39	0.32	0.38	0.46	0.67	0.34	0.27	0.44
03-07-88	1527	0.48	0.38	0.39	0.31	0.44	0.44	0.59	0.35	0.24	0.44
06-02-88	1614	0.48	0.39	0.39	0.28	0.42	0.43	0.58	0.04	2.16	0.39
10-27-88	1761	0.54	0.36	0.39	0.31	0.46	0.46	0.67	0.39	0.34	0.43
01-24-89	1850	0.49	0.29	0.34	0.28	0.43	0.40	0.51	0.33	0.27	0.38
04-26-89	1942	0.52	0.56	0.40	0.35	0.53	0.48	0.66	0.52	0.85	0.40
07-24-89	2031	0.60	9.60	14.00	8.60	0.50	0.60	0.90	11.50	16.50	1.00
11-08-89	2138	0.60	0.45	0.80	0.36	0.46	0.49	0.74	0.94	0.91	0.43
02-21-90	2243	1.00	8.00	8.20	2.40	0.80	1.10	0.50	8.90	8.60	1.00
05-31-90	2342	0.57	0.41	0.84	0.32	0.50	0.46	0.61	0.70	0.78	0.39
12-02-91	2892	0.57	0.41	0.84	0.32	0.50	0.46	0.61	0.70	0.78	0.39
04-17-92	3029	0.57	0.41	0.84	0.32	0.50	0.46	0.61	0.70	0.78	0.39
08-13-92	3147	0.57	0.41	0.84	0.32	0.50	0.46	0.61	0.70	0.78	0.39
12-15-92	3271	0.57	0.41	0.84	0.32	0.50	0.46	0.61	0.70	0.78	0.39

Chloride (mg/L)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-23-84	296	4.00	2.50	5.00	5.50	3.10	5.80	5.70	3.70	6.90	1.50
03-29-85	453	5.70	7.80	5.80	72.00	3.10	5.63	6.80	7.50	8.00	1.50
06-20-85	536	6.60	9.50	5.40	49.00	3.10	5.54	5.00	6.80	9.00	2.64
04-25-86	845	4.10	20.00	30.00	17.00	3.10	5.20	3.10	18.00	23.00	6.90
07-24-86	935	3.60	47.00	63.00	24.00	4.00	5.30	3.10	52.00	59.00	7.00
11-06-86	1040	3.40	44.00	76.00	53.00	5.20	5.60	6.10	49.00	58.00	9.50
02-09-87	1135	4.30	46.00	78.00	69.00	5.90	5.50	3.70	47.00	65.00	12.09
05-27-87	1242	3.10	35.00	66.00	70.00	3.20	4.10	3.00	42.00	53.00	15.00
08-19-87	1326	2.60	47.00	79.00	59.00	4.00	4.00	2.20	48.00	52.00	15.00
11-30-87	1429	2.50	51.00	65.00	60.00	5.00	3.00	2.00	5.50	5.60	14.00
03-07-88	1527	2.70	49.00	74.00	53.00	5.70	5.20	2.10	55.00	67.00	18.00
06-02-88	1614	3.90	45.00	58.00	59.00	3.70	3.20	2.00	47.00	69.00	17.00
10-27-88	1761	2.26	52.00	77.00	67.00	4.19	3.71	2.74	52.00	58.00	18.00
01-24-89	1850	4.50	53.00	70.00	58.00	5.00	3.60	2.10	50.00	60.00	20.00
04-26-89	1942	2.40	26.00	58.00	51.00	3.00	2.50	3.10	38.00	26.00	15.00
07-24-89	2031	2.20	34.20	47.90	33.00	3.20	2.90	2.00	37.30	55.70	12.70
11-08-89	2138	2.00	43.00	66.00	54.00	3.80	2.50	1.70	41.00	54.00	15.90
02-21-90	2243	4.10	43.00	57.00	45.00	5.10	4.20	2.00	39.00	50.00	20.00
05-31-90	2342	2.20	43.00	57.00	37.00	3.30	2.00	1.50	42.00	49.00	19.00
12-02-91	2892	5.40	50.00	72.00	36.00	2.80	2.30	3.40	40.00	59.00	20.91
04-17-92	3029	3.80	124.00	362.00	86.00	6.40	3.92	3.00	41.60	77.00	21.39
08-13-92	3147	2.50	40.00	61.00	18.20	2.24	2.00	2.00	28.00	41.50	21.80
12-15-92	3271	40.00	162.00	43.00	20.00	3.40	2.00	30.00	25.00	40.00	21.00

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Barium Released (g)
Date Day #1 #2 #3 #4 #5 #6 #7 #8 #9 #10

DAILY MEASUREMENTS

Nitrite (mg/L)
Date Day #1 #2 #3 #4 #5 #6 #7 #8 #9 #10

10-23-84	296	0.00	0.00	0.00	0.00	0.00	27.10	0.00	0.00	0.00	0.00
03-29-85	453	0.20	0.00	0.00	3.00	0.00	19.35	21.00	0.00	0.00	0.00
06-20-85	536	0.30	0.00	0.00	6.00	0.00	15.25	1.10	1.50	2.40	0.00
04-25-86	845	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07-24-86	935	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11-06-86	1040	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02-09-87	1135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
05-27-87	1242	0.00	0.00	12.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08-19-87	1326	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11-30-87	1429	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
03-07-88	1527	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
06-02-88	1614	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10-27-88	1761	0.00	0.00	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00
01-24-89	1850	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04-26-89	1942	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
07-24-89	2031	0.00	3.60	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00
11-08-89	2138	0.00	4.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02-21-90	2243	1.50	0.00	2.40	2.30	1.50	1.30	0.00	3.30	2.30	1.40
05-31-90	2342	0.00	0.00	0.00	0.00	5.20	0.00	0.00	0.00	0.00	0.00
12-02-91	2892	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
04-17-92	3029	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
08-13-92	3147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12-15-92	3271	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Nitrate (mg/L)
Date Day #1 #2 #3 #4 #5 #6 #7 #8 #9 #10

10-23-84	296	0.0	0.0	0.0	0.6	15.0	52.3	0.0	0.0	0.3	28.0
03-29-85	453	160.9	136.0	109.0	108.0	15.0	44.5	181.0	88.0	112.0	28.0
06-20-85	536	246.0	179.0	101.0	104.0	15.0	40.4	184.0	57.0	71.0	23.2
04-25-86	845	32.0	23.0	22.0	14.0	15.0	25.0	19.0	14.0	11.0	5.4
07-24-86	935	210.0	80.0	23.0	71.0	150.0	190.0	110.0	0.0	0.0	23.0
11-06-86	1040	190.0	93.0	48.0	54.0	180.0	210.0	170.0	69.0	78.0	1.9
02-09-87	1135	240.0	160.0	130.0	105.0	223.0	360.0	160.0	126.0	160.0	20.8
05-27-87	1242	230.0	130.0	58.0	72.0	120.0	140.0	150.0	82.0	104.7	42.0
08-19-87	1326	185.0	94.0	49.9	37.0	176.0	157.0	131.0	47.5	61.3	40.2
11-30-87	1429	218.0	127.0	40.0	46.0	240.0	190.0	136.0	5.1	8.0	17.0
03-07-88	1527	201.0	140.0	110.0	120.0	236.3	207.5	134.6	14.0	15.0	65.0
06-02-88	1614	219.0	110.0	80.0	120.0	180.0	166.0	138.0	40.9	48.7	70.5
10-27-88	1761	171.0	113.0	71.3	120.0	193.0	179.0	126.0	86.4	105.6	43.0
01-24-89	1850	280.0	150.0	66.0	120.0	240.0	220.0	120.0	114.0	140.0	90.0
04-26-89	1942	191.0	112.0	78.0	89.0	99.0	88.0	121.0	91.0	66.0	84.0
07-24-89	2031	129.0	52.3	1.4	21.4	119.0	117.0	121.0	2.8	0.0	79.3
11-08-89	2138	147.0	99.0	0.0	4.0	197.0	149.0	124.0	0.0	0.0	57.0
02-21-90	2243	161.0	129.0	47.0	72.0	204.0	181.0	108.0	73.0	111.0	102.0
05-31-90	2342	137.0	154.0	96.0	85.0	178.0	141.0	107.0	106.0	192.0	100.0
12-02-91	2892	154.0	165.0	0.0	41.0	133.0	107.0	144.0	0.0	0.0	100.0
04-17-92	3029	200.0	57.1	54.5	52.1	2.4	2.9	139.0	28.2	20.5	100.0
08-13-92	3147	144.0	66.0	27.9	27.8	87.3	87.3	110.0	3.1	10.5	100.0
12-15-92	3271	150.0	118.0	0.0	67.0	103.0	94.0	120.0	38.0	0.0	100.0

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Barium Released (g)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
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DAILY MEASUREMENTS

Ortho-Phosphate (mg/L)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-23-84	296	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
03-29-85	453	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
06-20-85	536	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
04-25-86	845	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07-24-86	935	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-06-86	1040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
02-09-87	1135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05-27-87	1242	0.0	0.0	0.0	12.0	0.0	0.0	0.0	11.0	12.0	0.0
08-19-87	1326	0.0	0.0	0.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0
11-30-87	1429	0.0	0.0	7.0	32.0	0.0	0.0	0.0	0.6	0.8	0.0
03-07-88	1527	0.0	0.0	40.0	30.0	0.0	0.0	0.0	0.0	0.0	0.0
06-02-88	1614	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-27-88	1761	0.0	0.0	60.0	50.0	0.0	0.0	0.0	40.0	40.0	0.0
01-24-89	1850	0.0	15.0	40.0	30.0	0.0	0.0	0.0	35.0	50.0	0.0
04-26-89	1942	0.0	23.0	35.0	36.0	0.0	0.0	0.0	26.0	38.0	0.0
07-24-89	2031	27.9	61.0	143.0	38.2	1.2	0.9	0.0	97.0	152.0	3.5
11-08-89	2138	1.9	34.0	93.0	111.0	0.7	0.6	0.5	88.0	110.0	0.0
02-21-90	2243	0.0	41.0	77.0	31.0	0.0	0.0	0.0	66.0	110.0	0.0
05-31-90	2342	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-02-91	2892	0.0	24.0	50.0	0.0	0.0	0.0	0.0	40.0	0.0	9.6
04-17-92	3029	0.0	44.4	59.3	36.3	0.0	0.0	0.0	33.3	47.9	12.0
08-13-92	3147	0.0	75.0	70.0	25.0	0.0	0.0	0.0	102.0	58.9	14.1
12-15-92	3271	0.0	71.0	131.0	19.0	0.0	0.0	0.0	106.0	159.0	14.1

Phosphate (mg/L)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-23-84	296	0.2	0.2	0.1	0.2	0.0	0.2	0.2	0.2	0.1	0.1
03-29-85	453	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.1
06-20-85	536	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
04-25-86	845	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	2.0	0.0
07-24-86	935	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	7.0	0.0
11-06-86	1040	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.4	0.0
02-09-87	1135	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	5.6
05-27-87	1242	0.0	0.0	7.0	7.0	0.0	0.0	0.0	9.0	8.0	12.0
08-19-87	1326	0.0	1.3	13.0	17.0	0.0	0.0	0.0	5.9	12.0	0.0
11-30-87	1429	0.3	3.9	6.4	24.0	0.3	0.3	0.3	6.0	7.0	0.3
03-07-88	1527	0.2	2.7	5.8	15.0	0.3	0.2	0.2	5.7	8.8	0.2
06-02-88	1614	0.2	3.4	5.7	35.0	0.2	0.3	0.2	15.4	37.7	0.3
10-27-88	1761	0.2	4.2	21.6	35.9	0.3	0.3	0.3	15.0	19.3	0.4
01-24-89	1850	0.2	3.7	14.2	20.7	0.3	0.3	0.2	15.2	23.4	0.2
04-26-89	1942	0.0	9.5	16.5	16.2	0.0	0.0	0.0	12.4	15.0	0.0
07-24-89	2031	0.0	16.0	62.0	26.0	0.5	0.3	0.2	38.0	96.0	0.2
11-08-89	2138	0.0	13.0	40.0	45.0	0.0	0.0	0.0	32.0	47.0	0.0
02-21-90	2243	0.2	14.0	26.0	23.0	0.3	0.3	0.2	23.0	37.0	0.3
05-31-90	2342	0.0	11.5	20.3	17.8	0.3	0.0	0.0	21.4	36.0	0.3
12-02-91	2892	0.0	0.0	44.4	8.4	0.0	0.0	0.0	0.0	0.0	4.9
04-17-92	3029	0.0	31.0	64.0	19.0	0.0	0.0	0.0	0.0	0.0	6.0
08-13-92	3147	0.0	40.4	46.0	16.0	0.0	0.0	0.0	40.0	0.0	7.0
12-15-92	3271	0.0	40.4	46.0	16.0	0.0	0.0	0.0	39.4	66.5	7.0

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Barium Released (g)	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
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DAILY MEASUREMENTS

Sulfate (mg/L)	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	
10-23-84	296	60	45	111	91	29	69	216	181	261	20
03-29-85	453	83	81	74	447	29	59	132	195	95	20
06-20-85	536	95	90	70	326	29	54	90	187	171	50
04-25-86	845	39	1100	1900	750	29	34	36	1100	1800	160
07-24-86	935	38	3750	5300	1060	36	39	35	5100	6000	210
11-06-86	1040	40	4400	7600	3900	46	42	55	5600	5600	260
02-09-87	1135	47	5400	8400	5100	60	60	40	5800	7200	316
05-27-87	1242	46	4280	7430	5460	29	33	44	6560	7000	380
08-19-87	1326	42	6100	10800	5000	36	33	40	6500	6300	431
11-30-87	1429	40	6590	8060	6330	50	36	37	7700	6900	439
03-07-88	1527	41	7620	9790	6220	56	40	39	8680	8370	550
06-02-88	1614	74	5950	7410	8230	37	30	36	7230	10100	490
10-27-88	1761	34	6580	9140	8730	40	34	31	8190	6950	600
01-24-89	1850	60	7500	9200	7000	47	40	35	8000	7300	630
04-26-89	1942	32	2900	6900	5700	23	20	22	5000	2500	430
07-24-89	2031	36	4695	7060	5310	35	28	32	6090	7800	478
11-08-89	2138	24	4780	7000	7950	45	27	31	4940	5000	532
02-21-90	2243	38	4790	5870	6300	61	63	32	5260	5025	670
05-31-90	2342	25	5000	5400	6600	46	30	27	5200	5300	708
12-02-91	2892	24	5180	6830	5470	29	22	34	4070	5260	976
04-17-92	3029	35	3500	5600	4700	23	18	49	2960	4850	1043
08-13-92	3147	26	3490	3840	3590	21	18	27	2590	3450	1100
12-15-92	3271	27	3040	3300	3450	23	17	26	2090	3120	2000

Boron (mg/L)	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	
10-23-84	296	0.12	0.20	0.21	0.42	17.30	0.06	0.15	0.18	0.11	0.00
03-29-85	453	0.04	0.00	0.00	0.00	17.30	7.05	0.00	0.00	0.00	0.00
06-20-85	536	0.00	0.00	0.00	0.00	17.30	10.74	0.00	0.00	0.00	0.02
04-25-86	845	0.12	0.04	0.04	0.10	17.30	24.50	0.27	0.04	0.04	0.09
07-24-86	935	0.20	0.00	0.00	0.10	18.00	36.00	0.50	0.00	0.00	0.00
11-06-86	1040	0.13	0.00	0.00	0.26	17.40	31.30	0.48	0.00	0.00	0.13
02-09-87	1135	0.14	0.00	0.00	0.24	16.60	16.00	0.40	0.00	0.00	0.09
05-27-87	1242	0.12	0.00	0.60	0.00	24.00	65.90	0.84	0.00	0.00	0.05
08-19-87	1326	0.29	0.07	0.08	0.85	21.90	61.50	1.20	0.10	0.09	0.08
11-30-87	1429	0.41	0.14	0.00	0.90	23.70	42.70	0.99	0.10	0.00	0.06
03-07-88	1527	0.36	0.06	0.07	0.64	23.40	46.30	0.72	0.08	0.08	0.10
06-02-88	1614	0.23	0.06	0.08	1.24	19.20	56.90	0.88	0.09	0.12	0.05
10-27-88	1761	0.47	0.07	0.11	1.37	27.40	43.10	1.40	0.10	0.09	0.06
01-24-89	1850	0.59	0.07	0.07	0.89	24.10	19.20	0.83	0.12	0.11	0.05
04-26-89	1942	1.30	0.04	0.05	0.75	22.80	41.20	1.00	0.05	0.04	0.08
07-24-89	2031	1.32	0.00	0.00	1.00	21.70	56.80	2.06	0.00	0.16	0.08
11-08-89	2138	0.88	0.00	0.00	1.79	27.20	57.20	2.00	0.00	0.00	0.06
02-21-90	2243	0.87	0.12	1.10	29.50	24.90	0.90	0.22	0.12	0.12	0.05
05-31-90	2342	1.50	0.00	0.00	0.80	31.60	21.00	1.40	0.00	0.00	0.00
12-02-91	2892	1.20	0.00	0.00	0.00	30.70	26.20	3.30	0.00	0.74	0.29
04-17-92	3029	0.07	0.56	0.00	0.56	42.50	32.90	2.82	0.76	1.33	0.36
08-13-92	3147	1.20	1.04	0.00	1.04	26.10	22.70	2.40	1.41	1.83	0.42
12-15-92	3271	0.96	1.54	0.00	0.00	0.00	0.00	2.90	2.10	1.20	0.29

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Barium Released (g)
Date Day #1 #2 #3 #4 #5 #6 #7 #8 #9 #10

DAILY MEASUREMENTS

Alkalinity (mg/L)		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Date	Day										
10-23-84	296	344	351	209	490	105	297	256	333	206	70
03-29-85	453	152	80	60	1200	105	257	70	40	40	70
06-20-85	536	50	50	60	100	105	236	80	50	70	86
04-25-86	845	69	178	227	243	105	158	146	302	446	147
07-24-86	935	75	215	275	285	105	135	165	375	555	165
11-06-86	1040	120	247	256	269	122	163	158	330	452	160
02-09-87	1135	161	276	239	254	138	189	152	290	359	156
05-27-87	1242	92	271	327	538	129	129	106	690	754	152
08-19-87	1326	129	581	1558	765	147	202	139	1050	1272	165
11-30-87	1429	148	457	743	857	162	205	157	938	938	224
03-07-88	1527	157	424	575	714	167	152	157	724	724	176
06-02-88	1614	175	450	594	675	128	128	143	1098	1470	158
10-27-88	1761	125	725	1925	875	150	150	125	1625	1875	225
01-24-89	1850	150	900	1175	575	140	163	138	988	1575	163
04-26-89	1942	90	750	980	525	150	125	25	800	975	150
07-24-89	2031	90	1860	3140	750	150	140	95	2650	4500	210
11-08-89	2138	105	1495	2400	975	113	138	113	2125	2875	188
02-21-90	2243	145	1195	1700	850	263	163	138	1625	2279	188
05-31-90	2342	138	1213	1713	850	188	238	163	1863	2550	213
12-02-91	2892	138	2300	3750	800	250	188	163	2850	3650	665
04-17-92	3029	100	1920	2980	600	125	138	175	2025	2975	778
08-13-92	3147	200	3100	3500	700	175	175	175	3100	3400	875
12-15-92	3271	124	3084	3305	689	139	146	148	3281	4400	185

pH		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Date	Day										
10-23-84	296	8.34	8.25	8.05	8.12	8.05	7.64	8.19	7.73	7.93	8.24
03-29-85	453	8.29	8.30	8.14	8.26	8.05	7.75	8.08	7.78	8.01	8.24
06-20-85	536	8.27	8.34	8.33	8.39	8.05	7.81	8.46	8.37	8.32	8.23
04-25-86	845	8.29	8.20	8.05	8.06	8.05	8.04	8.07	8.00	8.26	8.18
07-24-86	935	8.23	8.18	8.13	8.03	8.11	8.02	8.15	8.13	8.43	8.16
11-06-86	1040	8.52	8.47	8.32	8.07	8.20	8.18	8.22	8.46	8.48	8.33
02-09-87	1135	8.62	8.60	8.35	8.13	8.03	8.26	8.32	8.52	8.50	8.21
05-27-87	1242	8.28	8.58	8.21	8.16	8.11	7.96	8.13	8.81	8.77	8.08
08-19-87	1326	8.85	8.33	9.24	8.60	8.28	8.31	8.44	9.10	9.06	8.09
11-30-87	1429	8.54	8.48	8.53	8.25	8.38	8.37	8.42	8.67	8.40	8.53
03-07-88	1527	7.32	8.76	8.70	8.29	8.32	8.36	8.41	8.78	8.77	8.07
06-02-88	1614	8.54	8.88	8.86	8.21	8.36	8.41	8.53	9.67	8.54	8.43
10-27-88	1761	8.29	8.69	9.00	8.16	8.18	8.18	8.24	8.91	8.98	8.41
01-24-89	1850	7.63	8.95	9.03	8.30	8.12	8.82	8.45	9.34	9.28	8.19
04-26-89	1942	7.49	8.64	8.67	8.12	7.57	7.77	8.00	8.47	8.21	8.10
07-24-89	2031	8.19	9.12	7.67	8.27	8.24	8.19	8.02	8.96	9.26	8.04
11-08-89	2138	8.28	8.97	9.03	8.34	8.24	8.18	8.24	9.03	9.08	8.20
02-21-90	2243	8.48	9.12	8.34	7.86	7.99	8.89	8.19	9.15	9.30	8.34
05-31-90	2342	8.53	9.12	9.19	8.31	8.39	8.40	8.48	9.20	9.31	8.11
12-02-91	2892	8.40	9.33	9.41	8.32	8.22	8.20	8.20	9.35	9.40	8.94
04-17-92	3029	8.03	9.25	9.46	8.43	8.37	8.39	8.41	9.44	9.56	9.15
08-13-92	3147	8.33	9.51	9.58	9.00	8.54	8.65	8.50	9.43	9.47	9.33
12-15-92	3271	8.03	9.53	9.49	8.96	8.37	8.58	8.47	9.44	9.53	7.98

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Barium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10

DAILY MEASUREMENTS

Redox (mv)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-23-84	296	121	-57	-185	-208	333	69	148	97	185	335
03-29-85	453	210	296	343	393	333	144	339	322	352	335
06-20-85	536	257	282	293	293	333	184	290	299	303	343
04-25-86	845	249	270	290	315	333	332	337	366	282	373
07-24-86	935	296	302	281	311	314	319	317	296	271	313
11-06-86	1040	382	378	375	387	382	386	379	389	401	382
02-09-87	1135	321	313	330	328	354	341	345	341	339	394
05-27-87	1242	398	389	327	398	394	374	399	386	365	407
08-19-87	1326	384	349	324	386	386	384	396	386	368	396
11-30-87	1429	341	330	339	348	362	360	370	357	343	364
03-07-88	1527	362	296	279	365	356	363	332	325	274	323
06-02-88	1614	316	276	337	338	348	341	349	342	278	356
10-27-88	1761	314	251	294	321	354	343	331	326	329	347
01-24-89	1850	383	366	362	363	367	379	359	353	345	380
04-26-89	1942	274	201	205	267	305	312	319	286	288	322
07-24-89	2031	242	183	242	298	316	341	339	314	263	332
11-08-89	2138	336	308	287	318	329	343	335	308	310	350
02-21-90	2243	313	339	317	378	366	364	360	356	339	345
05-31-90	2342	287	234	227	240	251	259	254	221	219	245
12-02-91	2892	222	216	227	261	237	248	255	238	243	272
04-17-92	3029	327	287	276	305	296	303	306	296	271	279
08-13-92	3147	227	232	270	274	281	275	285	278	284	285
12-15-92	3271	291	277	246	258	267	273	274	244	243	280

Organic Carbon (mg/L)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-23-84	296	124	242	131	343	6	15	187	182	212	8
03-29-85	453	49	15	9	18	6	13	13	8	9	8
06-20-85	536	10	9	9	1	6	11	10	8	10	7
04-25-86	845	7	33	53	195	6	6	10	33	74	5
07-24-86	935	7	102	116	304	7	8	9	139	255	6
11-06-86	1040	7	83	125	835	7	8	13	102	116	7
02-09-87	1135	12	75	108	935	12	9	12	83	118	7
05-27-87	1242	7	58	104	697	7	8	8	141	190	6
08-19-87	1326	2	23	83	137	2	2	2	42	67	2
11-30-87	1429	9	109	136	790	6	7	8	128	150	10
03-07-88	1527	10	99	146	809	7	7	13	133	135	8
06-02-88	1614	10	94	130	1365	7	8	8	220	1004	14
10-27-88	1761	9	116	304	953	7	7	9	219	249	23
01-24-89	1850	9	143	216	1153	9	5	7	194	225	31
04-26-89	1942	13	59	180	740	6	7	7	130	110	26
07-24-89	2031	13	120	483	876	7	2	1	409	930	23
11-08-89	2138	23	120	311	1403	8	6	7	245	758	50
02-21-90	2243	15	208	326	1295	20	24	9	193	280	61
05-31-90	2342	7	130	270	1050	17	6	7	190	250	80
12-02-91	2892	2	183	329	616	12	11	25	214	327	86
04-17-92	3029	14	206	544	635	6	5	10	280	555	88
08-13-92	3147	33	329	1202	603	10	10	13	340	430	89
12-15-92	3271	11	170	243	590	5	4	13	144	229	153

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Barium Released (g)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
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DAILY MEASUREMENTS

Inorganic Carbon (mg/L)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-23-84	296	105	119	65	164	29	81	95	102	99	27
03-29-85	453	56	45	27	40	29	65	29	16	16	27
06-20-85	536	30	27	31	46	29	57	35	26	25	28
04-25-86	845	16	27	33	46	29	25	18	3	54	33
07-24-86	935	20	60	82	178	28	33	26	101	151	42
11-06-86	1040	37	77	89	414	31	34	31	92	102	48
02-09-87	1135	146	70	75	508	35	38	141	75	87	40
05-27-87	1242	20	72	88	324	33	30	262	153	194	32
08-19-87	1326	6	32	65	74	6	7	5	49	57	7
11-30-87	1429	40	130	178	497	31	35	30	242	223	46
03-07-88	1527	39	115	170	393	33	35	61	176	165	40
06-02-88	1614	42	153	177	824	27	28	35	326	507	41
10-27-88	1761	35	208	464	536	33	33	32	418	462	49
01-24-89	1850	37	151	282	97	27	37	35	28	364	37
04-26-89	1942	22	201	271	77	26	23	26	214	267	32
07-24-89	2031	19	468	782	142	34	28	26	686	1158	41
11-08-89	2138	15	402	689	182	31	35	30	635	361	49
02-21-90	2243	36	275	399	115	31	41	37	365	495	53
05-31-90	2342	32	276	385	130	41	44	38	420	540	70
12-02-91	2892	32	276	385	130	41	44	38	420	540	70
04-17-92	3029	32	276	385	130	41	44	38	420	540	70
08-13-92	3147	32	276	385	130	41	44	38	420	540	70
12-15-92	3271	32	276	385	130	41	44	38	420	540	70

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Barium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11-16-84	320	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-24-85	389	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02-13-85	409	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.00
03-11-85	435	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.07	0.00
03-12-85	436	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.07	0.00
03-29-85	453	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.00
04-04-85	459	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.01
04-12-85	467	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.08	0.01
06-20-85	536	0.01	0.02	0.01	0.02	0.00	0.00	0.02	0.10	0.09	0.01
07-23-85	569	0.01	0.02	0.01	0.02	0.00	0.00	0.02	0.10	0.09	0.01
08-14-85	591	0.02	0.02	0.02	0.03	0.00	0.00	0.03	0.10	0.10	0.01
10-24-85	662	0.02	0.03	0.02	0.03	0.00	0.00	0.03	0.11	0.10	0.01
01-30-86	760	0.02	0.03	0.03	0.04	0.00	0.00	0.03	0.12	0.11	0.02
02-22-86	783	0.02	0.03	0.03	0.04	0.00	0.00	0.03	0.13	0.13	0.02
02-28-86	789	0.03	0.04	0.03	0.05	0.00	0.00	0.04	0.14	0.14	0.02
03-07-86	796	0.03	0.04	0.03	0.06	0.00	0.00	0.04	0.14	0.14	0.02
03-13-86	802	0.03	0.04	0.03	0.06	0.01	0.01	0.04	0.14	0.14	0.02
03-21-86	810	0.03	0.05	0.04	0.06	0.01	0.01	0.05	0.14	0.14	0.02
03-28-86	817	0.03	0.05	0.05	0.06	0.01	0.01	0.05	0.15	0.14	0.03
04-03-86	823	0.04	0.05	0.05	0.07	0.01	0.01	0.05	0.15	0.14	0.03
04-10-86	830	0.04	0.05	0.05	0.07	0.01	0.01	0.05	0.15	0.15	0.03
04-17-86	837	0.04	0.06	0.05	0.07	0.01	0.02	0.05	0.15	0.15	0.03
04-25-86	845	0.04	0.06	0.05	0.07	0.01	0.02	0.05	0.15	0.15	0.03
05-01-86	851	0.04	0.06	0.06	0.07	0.01	0.02	0.05	0.16	0.15	0.03
05-08-86	858	0.04	0.06	0.06	0.07	0.01	0.02	0.05	0.16	0.15	0.03
05-15-86	865	0.04	0.06	0.06	0.07	0.01	0.02	0.05	0.16	0.16	0.03
05-22-86	872	0.04	0.06	0.06	0.07	0.01	0.02	0.05	0.16	0.16	0.03
05-29-86	879	0.04	0.07	0.06	0.08	0.01	0.02	0.05	0.16	0.16	0.03
06-06-86	887	0.04	0.07	0.06	0.08	0.01	0.02	0.05	0.17	0.16	0.03
06-09-86	890	0.04	0.07	0.06	0.08	0.01	0.02	0.05	0.17	0.16	0.04
06-12-86	893	0.04	0.07	0.06	0.08	0.01	0.02	0.05	0.17	0.16	0.04
06-19-86	900	0.04	0.07	0.07	0.08	0.01	0.02	0.05	0.17	0.16	0.04
06-26-86	907	0.04	0.08	0.07	0.08	0.01	0.02	0.05	0.17	0.17	0.04
07-03-86	914	0.04	0.08	0.07	0.08	0.01	0.02	0.05	0.18	0.17	0.04
07-10-86	921	0.04	0.08	0.07	0.08	0.01	0.02	0.05	0.18	0.17	0.04
07-17-86	928	0.04	0.09	0.07	0.08	0.02	0.02	0.05	0.18	0.17	0.04
07-24-86	935	0.04	0.09	0.07	0.08	0.02	0.02	0.05	0.18	0.17	0.04
08-07-86	949	0.04	0.09	0.07	0.09	0.02	0.02	0.05	0.18	0.17	0.04
08-13-86	955	0.04	0.09	0.07	0.09	0.02	0.02	0.06	0.19	0.18	0.04
08-28-86	970	0.04	0.10	0.08	0.09	0.02	0.02	0.06	0.19	0.18	0.04
09-10-86	983	0.04	0.10	0.08	0.09	0.02	0.02	0.06	0.19	0.18	0.04
09-25-86	998	0.04	0.10	0.08	0.09	0.02	0.02	0.06	0.19	0.18	0.04
10-02-86	1005	0.05	0.10	0.08	0.09	0.02	0.03	0.06	0.19	0.18	0.04
10-23-86	1026	0.05	0.10	0.08	0.09	0.02	0.03	0.06	0.19	0.18	0.04
11-06-86	1040	0.05	0.10	0.08	0.10	0.02	0.03	0.06	0.19	0.18	0.04
11-20-86	1054	0.05	0.10	0.08	0.10	0.02	0.03	0.06	0.19	0.18	0.04
12-10-86	1074	0.05	0.10	0.08	0.10	0.02	0.03	0.06	0.19	0.18	0.04
12-30-86	1094	0.05	0.10	0.08	0.10	0.02	0.03	0.06	0.19	0.18	0.05
01-13-87	1108	0.05	0.10	0.08	0.10	0.02	0.03	0.06	0.19	0.18	0.05
01-26-87	1121	0.05	0.10	0.08	0.10	0.02	0.03	0.06	0.19	0.18	0.05
02-09-87	1135	0.05	0.10	0.08	0.10	0.02	0.03	0.06	0.20	0.18	0.05
03-09-87	1163	0.05	0.10	0.08	0.10	0.02	0.03	0.06	0.20	0.19	0.05
03-23-87	1177	0.05	0.10	0.08	0.10	0.02	0.03	0.06	0.20	0.19	0.05
04-07-87	1192	0.05	0.11	0.08	0.10	0.02	0.03	0.06	0.20	0.19	0.05

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Barium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	0.05	0.11	0.08	0.10	0.02	0.03	0.06	0.20	0.19	0.05
04-24-87	1209	0.05	0.11	0.08	0.10	0.02	0.03	0.06	0.20	0.19	0.05
05-08-87	1223	0.05	0.11	0.08	0.11	0.02	0.03	0.06	0.20	0.19	0.05
05-27-87	1242	0.05	0.11	0.08	0.11	0.02	0.03	0.06	0.20	0.19	0.05
06-10-87	1256	0.05	0.11	0.09	0.11	0.02	0.03	0.06	0.20	0.19	0.05
06-24-87	1270	0.05	0.11	0.09	0.11	0.03	0.03	0.06	0.20	0.19	0.05
07-08-87	1284	0.05	0.11	0.09	0.11	0.03	0.04	0.06	0.20	0.19	0.05
07-22-87	1298	0.05	0.11	0.09	0.11	0.03	0.04	0.06	0.21	0.19	0.05
08-06-87	1313	0.05	0.11	0.09	0.11	0.03	0.04	0.06	0.21	0.19	0.05
08-19-87	1326	0.05	0.11	0.09	0.12	0.03	0.04	0.06	0.21	0.19	0.05
09-03-87	1341	0.05	0.11	0.09	0.12	0.03	0.04	0.06	0.21	0.19	0.06
09-08-87	1346	0.05	0.11	0.09	0.12	0.03	0.04	0.06	0.21	0.19	0.06
09-09-87	1347	0.05	0.11	0.09	0.12	0.03	0.04	0.06	0.21	0.19	0.07
09-17-87	1355	0.06	0.11	0.09	0.12	0.03	0.04	0.06	0.21	0.20	0.07
10-01-87	1369	0.06	0.11	0.09	0.12	0.03	0.04	0.06	0.21	0.20	0.07
10-17-87	1385	0.06	0.11	0.09	0.13	0.03	0.04	0.06	0.21	0.20	0.07
10-29-87	1397	0.06	0.12	0.09	0.13	0.03	0.04	0.06	0.21	0.20	0.07
11-18-87	1417	0.06	0.12	0.09	0.13	0.03	0.04	0.07	0.21	0.20	0.07
11-30-87	1429	0.06	0.12	0.09	0.13	0.03	0.04	0.07	0.21	0.20	0.07
12-18-87	1447	0.06	0.12	0.09	0.13	0.03	0.04	0.07	0.21	0.20	0.07
01-06-88	1466	0.06	0.12	0.09	0.13	0.03	0.04	0.07	0.21	0.20	0.07
01-20-88	1480	0.06	0.12	0.09	0.13	0.03	0.04	0.07	0.21	0.20	0.07
02-04-88	1495	0.06	0.12	0.09	0.14	0.03	0.04	0.07	0.21	0.20	0.07
02-17-88	1508	0.06	0.12	0.09	0.14	0.03	0.04	0.07	0.22	0.20	0.07
03-07-88	1527	0.06	0.12	0.09	0.14	0.03	0.04	0.07	0.22	0.20	0.07
03-08-88	1528	0.06	0.12	0.09	0.14	0.03	0.04	0.07	0.22	0.20	0.07
03-24-88	1544	0.06	0.12	0.09	0.14	0.03	0.04	0.07	0.22	0.20	0.07
04-07-88	1558	0.06	0.12	0.09	0.14	0.03	0.04	0.07	0.22	0.20	0.07
04-19-88	1570	0.06	0.12	0.09	0.14	0.03	0.04	0.07	0.22	0.20	0.07
05-04-88	1585	0.06	0.12	0.09	0.14	0.03	0.04	0.07	0.22	0.20	0.07
05-19-88	1600	0.06	0.12	0.09	0.14	0.03	0.04	0.07	0.22	0.20	0.07
06-02-88	1614	0.06	0.12	0.09	0.14	0.04	0.04	0.07	0.22	0.20	0.07
06-14-88	1626	0.06	0.12	0.09	0.14	0.04	0.05	0.07	0.22	0.20	0.08
06-29-88	1641	0.06	0.12	0.09	0.14	0.04	0.05	0.07	0.22	0.20	0.08
07-13-88	1655	0.06	0.12	0.09	0.14	0.04	0.05	0.07	0.22	0.20	0.08
07-27-88	1669	0.06	0.12	0.09	0.15	0.04	0.05	0.07	0.22	0.20	0.08
08-12-88	1685	0.06	0.12	0.09	0.15	0.04	0.05	0.07	0.22	0.20	0.08
08-26-88	1699	0.06	0.13	0.09	0.15	0.04	0.05	0.07	0.22	0.20	0.08
09-14-88	1718	0.07	0.13	0.10	0.15	0.04	0.05	0.07	0.22	0.20	0.08
10-06-88	1740	0.07	0.13	0.10	0.15	0.04	0.05	0.07	0.22	0.20	0.09
10-27-88	1761	0.07	0.13	0.10	0.15	0.04	0.05	0.07	0.22	0.20	0.09
11-11-88	1776	0.07	0.13	0.10	0.15	0.04	0.05	0.07	0.22	0.20	0.09
12-02-88	1797	0.07	0.13	0.10	0.16	0.04	0.05	0.07	0.22	0.20	0.09
12-19-88	1814	0.07	0.13	0.10	0.16	0.04	0.05	0.07	0.22	0.20	0.09
01-05-89	1831	0.07	0.13	0.10	0.16	0.04	0.05	0.07	0.22	0.20	0.09
01-24-89	1850	0.07	0.13	0.10	0.16	0.04	0.05	0.07	0.22	0.20	0.09
03-08-89	1893	0.07	0.13	0.10	0.16	0.04	0.05	0.07	0.22	0.20	0.09
03-22-89	1907	0.07	0.13	0.10	0.16	0.04	0.05	0.07	0.22	0.20	0.09
04-05-89	1921	0.07	0.13	0.10	0.16	0.04	0.05	0.07	0.22	0.20	0.10
04-20-89	1936	0.07	0.13	0.10	0.16	0.04	0.05	0.07	0.22	0.20	0.10
05-03-89	1949	0.07	0.13	0.10	0.17	0.04	0.05	0.07	0.22	0.20	0.10
05-19-89	1965	0.07	0.13	0.10	0.17	0.05	0.06	0.08	0.22	0.20	0.10
05-31-89	1977	0.07	0.13	0.10	0.17	0.05	0.06	0.08	0.22	0.20	0.10
06-15-89	1992	0.07	0.13	0.10	0.17	0.05	0.06	0.08	0.22	0.20	0.11
06-29-89	2006	0.07	0.13	0.10	0.18	0.05	0.06	0.08	0.22	0.20	0.11

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Barium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	0.07	0.13	0.10	0.18	0.05	0.06	0.08	0.22	0.20	0.11
07-24-89	2031	0.07	0.13	0.10	0.18	0.05	0.06	0.08	0.22	0.20	0.11
08-14-89	2052	0.07	0.13	0.10	0.18	0.05	0.06	0.08	0.22	0.20	0.12
08-30-89	2068	0.08	0.13	0.10	0.18	0.05	0.06	0.08	0.22	0.20	0.12
09-13-89	2082	0.08	0.13	0.10	0.19	0.05	0.06	0.08	0.22	0.20	0.12
09-26-89	2095	0.08	0.13	0.10	0.19	0.05	0.06	0.08	0.22	0.20	0.12
11-08-89	2138	0.08	0.13	0.10	0.19	0.05	0.06	0.08	0.22	0.20	0.12
12-08-89	2168	0.08	0.13	0.10	0.19	0.05	0.06	0.08	0.22	0.20	0.12
01-05-90	2196	0.08	0.13	0.10	0.20	0.05	0.06	0.09	0.22	0.20	0.13
02-21-90	2243	0.08	0.13	0.10	0.20	0.05	0.06	0.09	0.22	0.20	0.13
03-09-90	2259	0.08	0.13	0.10	0.20	0.05	0.06	0.09	0.22	0.20	0.13
04-17-90	2298	0.08	0.13	0.10	0.20	0.05	0.06	0.09	0.22	0.20	0.13
05-31-90	2342	0.08	0.13	0.10	0.20	0.06	0.06	0.09	0.22	0.20	0.13
06-28-90	2370	0.08	0.13	0.10	0.21	0.06	0.06	0.09	0.22	0.20	0.13
10-04-90	2468	0.08	0.13	0.10	0.21	0.06	0.06	0.09	0.22	0.20	0.14
04-15-91	2661	0.08	0.13	0.10	0.22	0.06	0.07	0.10	0.22	0.20	0.14
06-14-91	2721	0.09	0.13	0.10	0.22	0.06	0.07	0.10	0.22	0.20	0.15
09-20-91	2819	0.09	0.13	0.10	0.23	0.06	0.07	0.10	0.22	0.20	0.16
12-02-91	2892	0.09	0.13	0.10	0.24	0.07	0.07	0.10	0.22	0.20	0.16
04-17-92	3029	0.10	0.13	0.10	0.25	0.07	0.08	0.11	0.22	0.20	0.16
08-13-92	3147	0.11	0.13	0.10	0.28	0.07	0.08	0.11	0.22	0.20	0.16
09-18-92	3183	0.12	0.13	0.10	0.28	0.08	0.08	0.11	0.22	0.20	0.16
12-15-92	3271	0.12	0.13	0.10	0.29	0.08	0.09	0.12	0.22	0.20	0.18

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Calcium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.2	0.0
11-16-84	320	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.2	0.0
01-24-85	389	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.0
02-13-85	409	0.1	0.1	0.1	0.1	0.0	0.1	0.1	15.2	18.2	0.5
03-11-85	435	0.1	0.1	0.1	0.1	0.0	0.1	0.1	26.6	27.6	0.5
03-12-85	436	0.1	0.1	0.1	0.1	0.0	0.1	0.1	30.2	29.1	0.5
03-29-85	453	0.1	0.7	0.1	0.2	0.0	0.1	0.8	33.0	30.8	0.5
04-04-85	459	0.1	0.7	0.1	0.2	0.0	0.1	0.8	33.0	30.8	6.7
04-12-85	467	0.1	0.7	0.1	0.2	0.0	0.1	0.8	33.0	30.8	7.2
06-20-85	536	5.0	6.1	3.9	11.2	0.0	0.1	7.6	38.3	35.2	7.2
07-23-85	569	5.0	6.1	3.9	11.2	0.0	0.1	7.6	38.3	35.2	12.5
08-14-85	591	7.6	9.8	7.7	16.4	0.0	0.2	10.2	41.2	38.5	12.5
10-24-85	662	9.7	13.7	11.4	21.6	0.0	0.2	12.3	44.0	42.0	15.5
01-30-86	760	12.0	17.4	18.2	26.1	0.0	1.1	14.5	51.6	45.1	16.2
02-22-86	783	12.0	17.4	18.2	26.1	0.0	1.1	14.5	69.6	71.7	16.2
02-28-86	789	16.1	26.8	29.9	36.3	1.8	2.9	16.2	72.8	77.2	16.2
03-07-86	796	16.1	26.8	29.9	45.5	5.6	2.9	16.2	72.8	77.2	16.2
03-13-86	802	16.1	26.8	29.9	45.5	7.2	9.8	22.5	79.7	77.2	16.2
03-21-86	810	20.6	41.9	48.0	52.8	9.5	13.1	24.5	82.5	78.2	20.3
03-28-86	817	21.6	45.4	52.9	55.4	10.2	14.3	25.3	87.0	82.6	29.0
04-03-86	823	22.3	47.9	56.9	57.4	10.8	15.3	26.2	90.5	85.8	29.0
04-10-86	830	23.3	50.7	60.6	59.2	11.4	16.2	26.8	93.2	88.7	29.0
04-17-86	837	24.0	53.0	64.0	60.9	12.0	17.0	27.3	95.4	91.4	33.0
04-25-86	845	24.7	55.8	67.5	61.7	12.6	18.1	27.9	97.8	93.7	33.6
05-01-86	851	25.3	57.8	70.0	63.2	13.2	18.7	28.3	99.6	95.5	33.6
05-08-86	858	26.0	60.7	72.8	64.9	13.7	19.5	28.8	101.5	97.2	35.5
05-15-86	865	26.7	63.6	76.9	66.8	14.2	20.3	29.3	103.3	98.9	35.5
05-22-86	872	27.2	66.3	79.9	68.5	14.7	20.9	29.7	104.7	100.1	35.5
05-29-86	879	27.8	69.3	83.9	70.3	15.1	21.5	30.0	106.0	101.3	35.5
06-06-86	887	28.5	72.8	88.0	72.3	15.6	22.1	30.5	107.6	102.6	35.5
06-09-86	890	28.5	72.8	88.0	72.3	15.6	22.1	30.5	107.6	102.6	38.4
06-12-86	893	28.9	75.2	90.5	73.7	15.9	22.7	30.8	108.5	103.4	38.4
06-19-86	900	29.4	78.6	94.4	75.5	16.3	23.2	31.2	109.5	104.3	39.2
06-26-86	907	29.9	82.2	98.5	77.4	16.7	23.8	31.5	110.3	105.1	40.2
07-03-86	914	30.4	86.3	102.9	79.4	17.1	24.4	31.8	111.0	105.7	41.4
07-10-86	921	30.8	89.7	107.0	81.1	17.5	24.8	32.1	111.5	106.2	41.4
07-17-86	928	31.2	92.8	110.0	82.5	17.8	25.3	32.3	111.9	106.5	42.0
07-24-86	935	31.5	95.7	113.0	84.1	18.1	25.7	32.6	112.1	106.6	42.5
08-07-86	949	31.7	98.1	115.6	85.5	18.3	26.0	32.8	112.5	107.0	42.5
08-13-86	955	32.2	102.4	121.0	88.5	18.8	26.7	33.1	113.4	107.9	43.5
08-28-86	970	32.8	107.0	125.7	91.9	19.3	27.3	33.5	114.6	109.1	44.1
09-10-86	983	33.2	111.1	130.3	95.2	19.7	27.9	33.8	116.0	110.6	44.6
09-25-86	998	33.7	114.8	134.0	98.6	20.2	28.4	34.1	117.7	112.4	45.3
10-02-86	1005	34.0	117.6	137.2	101.2	20.5	28.9	34.4	119.2	113.6	45.7
10-23-86	1026	34.4	120.0	140.0	104.5	20.9	29.3	34.6	121.0	115.2	46.1
11-06-86	1040	34.6	122.2	141.7	106.5	21.1	29.6	34.9	122.6	116.7	46.8
11-20-86	1054	34.8	123.9	143.4	108.8	21.3	29.8	35.0	123.9	117.9	46.8
12-10-86	1074	34.9	125.9	145.0	111.2	21.6	30.1	35.2	125.4	119.4	46.8
12-30-86	1094	35.2	127.8	146.7	113.8	21.8	30.3	35.4	126.9	120.7	47.6
01-13-87	1108	35.3	129.0	147.4	115.1	21.9	30.5	35.6	127.7	121.5	47.6
01-26-87	1121	35.4	130.1	148.4	116.7	22.1	30.6	35.7	128.5	122.1	47.6
02-09-87	1135	35.5	131.1	149.0	118.1	22.2	30.8	35.8	129.2	122.7	47.6
03-09-87	1163	35.7	132.8	149.9	120.0	22.7	31.6	36.1	130.5	123.6	48.0
03-23-87	1177	35.9	135.5	151.4	122.1	23.5	32.4	36.2	132.4	125.1	48.0
04-07-87	1192	36.0	138.8	152.4	124.7	24.2	33.3	36.4	134.3	126.7	48.0

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Calcium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	36.3	142.0	153.7	127.7	24.9	34.1	36.6	136.0	128.7	48.0
04-24-87	1209	36.3	142.0	153.7	127.7	24.9	34.1	36.6	136.0	128.7	48.9
05-08-87	1223	36.9	145.9	156.0	131.1	25.6	35.0	37.0	138.3	131.4	48.9
05-27-87	1242	37.5	150.5	159.9	134.9	26.5	36.0	37.2	139.6	134.1	50.2
06-10-87	1256	38.2	154.8	163.6	137.8	27.2	36.8	38.0	144.1	137.2	50.2
06-24-87	1270	38.8	159.0	167.9	140.4	27.9	37.6	38.6	147.1	140.1	52.2
07-08-87	1284	39.4	163.1	172.4	143.6	28.6	38.3	39.1	149.8	142.6	52.2
07-22-87	1298	40.0	167.2	175.9	145.6	29.2	39.1	39.6	152.7	144.9	52.8
08-06-87	1313	40.6	171.2	178.6	148.6	29.8	39.8	40.1	155.4	146.8	52.8
08-19-87	1326	41.1	174.4	180.5	151.1	30.4	40.4	40.5	157.7	148.4	55.2
09-03-87	1341	41.6	177.9	182.4	153.6	31.0	41.0	40.9	160.1	150.1	66.8
09-08-87	1346	41.6	177.9	182.4	154.5	31.0	41.0	40.9	160.1	150.1	66.8
09-09-87	1347	41.6	177.9	182.4	154.5	31.0	41.0	40.9	160.1	150.1	68.0
09-17-87	1355	42.1	181.3	184.1	157.1	31.6	41.5	41.3	162.1	151.6	68.0
10-01-87	1369	42.5	184.6	185.8	159.6	32.1	41.9	41.7	163.9	153.0	68.0
10-17-87	1385	42.9	188.1	187.5	162.4	32.8	42.3	42.0	165.8	154.5	68.0
10-29-87	1397	43.2	190.6	188.7	164.3	33.2	42.6	42.3	167.2	155.6	68.0
11-18-87	1417	43.6	194.5	190.5	167.5	33.8	43.0	42.6	169.2	157.2	68.0
11-30-87	1429	44.0	197.0	192.3	169.3	34.1	43.3	42.9	171.0	158.6	68.0
12-18-87	1447	44.2	199.0	193.5	170.9	34.4	43.6	43.1	172.2	159.7	68.0
01-06-88	1466	44.5	200.7	194.5	172.5	34.6	43.8	43.3	173.5	160.7	68.0
01-20-88	1480	44.6	201.8	195.5	173.9	34.8	43.9	43.4	174.2	161.2	68.0
02-04-88	1495	44.8	202.8	196.3	175.0	34.9	44.0	43.6	174.9	161.6	68.0
02-17-88	1508	44.9	203.6	196.9	175.9	35.1	44.1	43.7	175.6	162.1	70.9
03-07-88	1527	45.1	204.7	197.8	177.3	35.2	44.3	43.8	176.3	162.5	71.9
03-08-88	1528	45.1	204.7	197.8	177.3	35.2	44.3	43.8	176.3	162.5	72.3
03-24-88	1544	45.2	205.7	198.4	178.4	35.4	44.7	44.0	176.8	162.9	72.7
04-07-88	1558	45.4	206.7	198.9	179.6	35.7	45.0	44.1	177.3	163.2	73.3
04-19-88	1570	45.5	207.7	199.4	180.8	35.9	45.3	44.2	177.8	163.5	73.7
05-04-88	1585	45.7	209.2	200.1	182.8	36.3	45.7	44.3	178.5	163.8	73.9
05-19-88	1600	45.9	210.7	200.8	185.6	36.7	46.1	44.5	179.2	164.2	74.9
06-02-88	1614	46.1	212.3	201.8	188.3	37.0	46.5	44.6	179.8	164.6	75.8
06-14-88	1626	46.4	213.8	202.6	190.6	37.4	46.8	44.8	180.4	165.0	76.6
06-29-88	1641	46.7	215.5	203.8	193.5	37.8	47.3	45.0	181.2	165.6	77.6
07-13-88	1655	47.0	217.3	205.2	196.3	38.2	47.7	45.3	182.0	166.1	78.4
07-27-88	1669	47.4	219.1	206.7	199.1	38.6	48.1	45.5	182.7	166.7	79.6
08-12-88	1685	47.7	221.0	208.1	202.3	39.1	48.6	45.8	183.6	167.3	80.5
08-26-88	1699	48.1	222.6	209.2	205.1	39.5	49.0	46.0	184.3	167.7	82.5
09-14-88	1718	48.5	224.7	210.5	208.4	40.0	49.6	46.4	185.2	168.3	83.7
10-06-88	1740	48.9	226.8	211.4	211.8	40.5	50.1	46.7	186.1	169.0	85.1
10-27-88	1761	49.1	228.6	212.3	215.2	41.0	50.6	46.9	186.8	169.5	86.9
11-11-88	1776	49.3	229.6	212.7	216.9	41.2	50.9	47.1	187.2	169.8	87.4
12-02-88	1797	49.6	230.9	213.1	219.0	41.5	51.1	47.3	187.7	170.1	88.5
12-19-88	1814	49.8	231.8	213.5	220.7	41.8	51.4	47.5	188.1	170.3	89.0
01-05-89	1831	50.0	232.5	213.8	222.1	42.0	51.6	47.7	188.3	170.5	90.0
01-24-89	1850	50.2	233.3	214.1	223.7	42.2	51.8	47.8	188.6	170.6	90.2
03-08-89	1893	50.6	234.2	214.6	226.2	42.5	52.0	48.0	189.1	170.9	91.4
03-22-89	1907	50.7	234.5	214.8	227.6	42.6	52.5	48.2	189.3	171.2	93.2
04-05-89	1921	51.0	236.4	215.0	232.3	43.8	53.6	48.5	190.0	171.6	95.1
04-20-89	1936	51.8	238.2	215.6	237.1	44.9	54.7	49.1	191.6	172.2	98.0
05-03-89	1949	52.5	239.4	216.4	241.5	45.7	55.4	49.7	193.0	172.8	101.5
05-19-89	1965	53.2	240.6	217.5	245.6	46.5	56.3	50.4	194.3	173.4	103.5
05-31-89	1977	53.6	241.4	218.1	247.9	47.0	56.9	50.8	195.2	173.8	103.8
06-15-89	1992	54.2	242.2	218.9	250.7	47.5	57.6	51.4	196.1	174.3	106.5
06-29-89	2006	54.6	242.9	219.4	253.1	48.0	58.2	51.8	196.7	174.6	108.5

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Calcium Released (g)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	55.0	243.5	219.7	255.0	48.5	58.7	52.1	197.2	174.9	110.0
07-24-89	2031	55.4	244.0	220.1	256.9	49.1	59.3	52.5	197.7	175.1	111.4
08-14-89	2052	55.9	244.8	220.5	259.7	49.8	60.2	53.1	198.2	175.5	113.1
08-30-89	2068	56.3	245.4	220.9	261.8	50.4	60.8	53.4	198.6	175.8	114.5
09-13-89	2082	56.6	245.9	221.2	263.5	50.9	61.3	53.8	198.9	176.1	115.9
09-26-89	2095	56.9	246.3	221.4	265.0	51.3	61.7	54.0	199.2	176.2	116.9
11-08-89	2138	57.6	247.4	222.0	268.6	52.4	62.7	54.6	199.8	176.8	119.5
12-08-89	2168	58.0	247.9	222.4	271.0	52.9	63.2	54.9	200.1	177.0	121.1
01-05-90	2196	58.3	248.3	222.7	273.6	53.3	63.5	55.2	200.3	177.2	122.1
02-21-90	2243	58.7	248.8	223.1	276.5	53.8	64.0	55.5	200.7	177.4	123.4
03-09-90	2259	58.8	249.0	223.2	277.7	53.9	64.1	55.6	200.8	177.5	124.2
04-17-90	2298	59.1	249.4	223.5	280.0	54.2	64.4	55.9	201.0	177.7	125.5
05-31-90	2342	59.5	250.0	223.9	283.4	54.6	64.8	56.2	201.4	177.9	127.0
06-28-90	2370	59.8	250.4	224.1	285.5	55.0	65.2	56.4	201.6	178.0	128.0
10-04-90	2468	60.4	252.0	225.2	294.0	57.1	67.1	57.5	202.6	178.7	132.2
04-15-91	2661	62.0	253.6	226.3	303.2	58.7	68.5	58.5	203.7	179.4	137.0
06-14-91	2721	62.3	254.3	226.6	306.9	59.3	70.3	58.9	204.1	179.7	138.9
09-20-91	2819	63.3	256.2	227.6	319.5	62.5	73.5	60.3	205.3	180.5	144.6
12-02-91	2892	64.2	257.4	228.5	326.8	64.0	75.1	61.2	206.2	181.1	144.6
04-17-92	3029	66.8	259.1	229.8	344.7	66.7	77.6	63.9	207.7	182.4	144.6
08-13-92	3147	70.3	261.1	231.8	368.0	71.5	83.2	68.1	210.6	184.4	144.6
09-18-92	3183	71.3	261.7	232.2	371.9	72.4	84.2	69.0	211.1	184.9	145.0
12-15-92	3271	72.6	262.5	233.1	376.3	73.6	85.3	70.2	211.8	185.4	164.7

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Potassium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0.01	0.09	0.03	0.31	0.00	0.00	0.04	0.00	0.01	0.00
11-16-84	320	0.01	0.09	0.03	0.31	0.00	0.00	0.04	0.00	0.01	0.00
01-24-85	389	0.01	0.09	0.05	0.37	0.00	0.01	0.04	0.00	0.01	0.00
02-13-85	409	0.01	0.09	0.05	0.37	0.00	0.01	0.04	0.91	1.31	0.05
03-11-85	435	0.01	0.09	0.05	0.37	0.00	0.01	0.04	1.56	2.09	0.05
03-12-85	436	0.01	0.09	0.05	0.37	0.00	0.01	0.04	1.77	2.22	0.05
03-29-85	453	0.01	1.35	0.10	0.66	0.00	0.01	0.44	1.93	2.37	0.05
04-04-85	459	0.01	1.35	0.10	0.66	0.00	0.01	0.44	1.93	2.37	0.61
04-12-85	467	0.01	1.35	0.10	0.66	0.00	0.01	0.44	1.93	2.37	0.66
06-20-85	536	0.53	1.75	0.43	1.25	0.00	0.01	1.09	2.34	2.77	0.66
07-23-85	569	0.53	1.75	0.43	1.25	0.00	0.01	1.09	2.34	2.77	1.03
08-14-85	591	0.81	1.96	0.65	1.53	0.00	0.01	1.34	2.52	3.02	1.03
10-24-85	662	1.03	2.13	0.81	1.81	0.00	0.01	1.54	2.65	3.25	1.21
01-30-86	760	1.26	2.25	1.04	2.06	0.01	0.07	1.78	2.92	3.43	1.25
02-22-86	783	1.26	2.25	1.04	2.06	0.01	0.07	1.78	3.53	4.97	1.25
02-28-86	789	1.66	2.55	1.40	2.62	0.19	0.19	1.96	3.63	5.29	1.25
03-07-86	796	1.66	2.55	1.40	3.12	0.61	0.19	1.96	3.63	5.29	1.25
03-13-86	802	1.66	2.55	1.40	3.12	0.78	0.66	2.65	3.85	5.29	1.25
03-21-86	810	2.10	3.00	1.95	3.52	1.02	0.89	2.87	3.94	5.34	1.46
03-28-86	817	2.21	3.10	2.10	3.66	1.10	0.96	2.96	4.08	5.59	1.87
04-03-86	823	2.28	3.18	2.21	3.77	1.17	1.03	3.05	4.19	5.77	1.87
04-10-86	830	2.37	3.26	2.32	3.87	1.24	1.10	3.12	4.27	5.93	1.87
04-17-86	837	2.44	3.33	2.42	3.96	1.30	1.15	3.18	4.34	6.08	2.07
04-25-86	845	2.51	3.40	2.52	4.01	1.37	1.22	3.24	4.41	6.21	2.09
05-01-86	851	2.56	3.46	2.59	4.08	1.42	1.26	3.29	4.47	6.33	2.09
05-08-86	858	2.62	3.54	2.68	4.16	1.47	1.31	3.33	4.55	6.48	2.17
05-15-86	865	2.68	3.62	2.81	4.25	1.51	1.35	3.38	4.65	6.65	2.17
05-22-86	872	2.71	3.70	2.91	4.31	1.55	1.38	3.41	4.74	6.81	2.17
05-29-86	879	2.75	3.78	3.04	4.38	1.58	1.40	3.44	4.84	7.01	2.17
06-06-86	887	2.79	3.88	3.18	4.45	1.60	1.42	3.47	5.00	7.26	2.17
06-09-86	890	2.79	3.88	3.18	4.45	1.60	1.42	3.47	5.00	7.26	2.23
06-12-86	893	2.81	3.95	3.27	4.50	1.62	1.44	3.49	5.10	7.45	2.23
06-19-86	900	2.83	4.04	3.41	4.55	1.63	1.45	3.50	5.23	7.71	2.24
06-26-86	907	2.84	4.14	3.55	4.61	1.64	1.46	3.52	5.38	8.00	2.26
07-03-86	914	2.85	4.26	3.71	4.66	1.65	1.47	3.53	5.53	8.34	2.27
07-10-86	921	2.86	4.35	3.86	4.70	1.66	1.48	3.53	5.65	8.62	2.27
07-17-86	928	2.86	4.44	3.97	4.74	1.66	1.48	3.53	5.78	8.89	2.27
07-24-86	935	2.86	4.52	4.09	4.77	1.66	1.48	3.53	5.89	9.13	2.27
08-07-86	949	2.87	4.60	4.21	4.82	1.67	1.49	3.54	6.00	9.35	2.27
08-13-86	955	2.91	4.76	4.49	4.95	1.70	1.51	3.57	6.23	9.76	2.29
08-28-86	970	2.99	4.97	4.79	5.13	1.74	1.56	3.61	6.48	10.15	2.32
09-10-86	983	3.09	5.18	5.13	5.34	1.80	1.61	3.67	6.73	10.52	2.34
09-25-86	998	3.20	5.40	5.45	5.58	1.88	1.68	3.73	7.00	10.87	2.38
10-02-86	1005	3.30	5.57	5.76	5.77	1.94	1.74	3.78	7.22	11.10	2.41
10-23-86	1026	3.43	5.76	6.08	6.05	2.03	1.81	3.86	7.46	11.34	2.45
11-06-86	1040	3.52	5.94	6.30	6.23	2.09	1.87	3.92	7.68	11.53	2.52
11-20-86	1054	3.60	6.08	6.51	6.42	2.15	1.92	3.97	7.84	11.69	2.52
12-10-86	1074	3.68	6.24	6.73	6.60	2.19	1.98	4.01	8.03	11.88	2.52
12-30-86	1094	3.78	6.38	6.95	6.79	2.23	2.04	4.06	8.20	12.05	2.60
01-13-87	1108	3.83	6.48	7.03	6.88	2.24	2.07	4.08	8.29	12.14	2.60
01-26-87	1121	3.88	6.56	7.16	6.99	2.25	2.11	4.09	8.38	12.22	2.60
02-09-87	1135	3.92	6.63	7.23	7.08	2.26	2.14	4.11	8.46	12.30	2.60
03-09-87	1163	3.99	6.78	7.34	7.22	2.30	2.33	4.15	8.61	12.42	2.64
03-23-87	1177	4.03	7.03	7.52	7.38	2.39	2.51	4.17	8.85	12.61	2.64
04-07-87	1192	4.08	7.36	7.62	7.61	2.49	2.68	4.21	9.13	12.83	2.64

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Potassium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	4.19	7.71	7.76	7.90	2.59	2.83	4.28	9.39	13.09	2.64
04-24-87	1209	4.19	7.71	7.76	7.90	2.59	2.83	4.28	9.39	13.09	2.72
05-08-87	1223	4.35	8.18	7.98	8.30	2.72	2.98	4.39	9.77	13.46	2.72
05-27-87	1242	4.52	8.80	8.34	8.85	2.89	3.12	4.46	10.03	13.83	2.83
06-10-87	1256	4.72	9.39	8.77	9.29	3.06	3.23	4.69	10.92	14.39	2.83
06-24-87	1270	4.93	9.95	9.42	9.72	3.22	3.32	4.83	11.53	15.02	2.99
07-08-87	1284	5.15	10.51	10.25	10.28	3.41	3.40	4.93	12.08	15.69	2.99
07-22-87	1298	5.40	11.07	11.11	10.65	3.60	3.47	5.01	12.70	16.42	3.03
08-06-87	1313	5.64	11.61	11.96	11.22	3.79	3.53	5.06	13.28	17.19	3.03
08-19-87	1326	5.86	12.05	12.75	11.72	3.98	3.58	5.08	13.80	17.95	3.18
09-03-87	1341	6.08	12.51	13.49	12.21	4.16	3.65	5.13	14.33	18.66	4.01
09-08-87	1346	6.08	12.51	13.49	12.40	4.16	3.65	5.13	14.33	18.66	4.01
09-09-87	1347	6.08	12.51	13.49	12.40	4.16	3.65	5.13	14.33	18.66	4.10
09-17-87	1355	6.28	12.96	14.12	12.90	4.35	3.72	5.19	14.77	19.23	4.10
10-01-87	1369	6.46	13.39	14.69	13.39	4.53	3.80	5.27	15.19	19.75	4.10
10-17-87	1385	6.66	13.85	15.26	13.91	4.72	3.89	5.38	15.63	20.26	4.10
10-29-87	1397	6.80	14.17	15.64	14.28	4.84	3.96	5.47	15.95	20.60	4.10
11-18-87	1417	7.01	14.65	16.16	14.86	5.03	4.07	5.63	16.42	21.06	4.10
11-30-87	1429	7.17	14.96	16.67	15.21	5.13	4.17	5.76	16.83	21.44	4.10
12-18-87	1447	7.29	15.19	16.98	15.46	5.20	4.27	5.84	17.11	21.72	4.10
01-06-88	1466	7.40	15.37	17.22	15.69	5.27	4.33	5.94	17.38	21.98	4.10
01-20-88	1480	7.49	15.50	17.45	15.87	5.31	4.38	6.01	17.52	22.10	4.10
02-04-88	1495	7.56	15.59	17.61	15.99	5.35	4.42	6.08	17.67	22.22	4.10
02-17-88	1508	7.61	15.66	17.75	16.09	5.38	4.46	6.13	17.78	22.32	4.46
03-07-88	1527	7.71	15.76	17.91	16.22	5.42	4.53	6.19	17.91	22.43	4.58
03-08-88	1528	7.71	15.76	17.91	16.22	5.42	4.53	6.19	17.91	22.43	4.63
03-24-88	1544	7.78	15.85	18.04	16.34	5.47	4.64	6.26	18.03	22.56	4.68
04-07-88	1558	7.85	15.94	18.16	16.47	5.53	4.74	6.30	18.15	22.70	4.75
04-19-88	1570	7.92	16.05	18.27	16.61	5.60	4.82	6.35	18.29	22.88	4.79
05-04-88	1585	8.02	16.22	18.43	16.84	5.70	4.93	6.42	18.52	23.16	4.82
05-19-88	1600	8.13	16.41	18.62	17.20	5.80	5.03	6.49	18.79	23.63	4.93
06-02-88	1614	8.28	16.64	18.90	17.54	5.91	5.12	6.57	19.10	24.32	5.04
06-14-88	1626	8.42	16.86	19.14	17.86	6.00	5.20	6.66	19.43	25.01	5.14
06-29-88	1641	8.61	17.11	19.53	18.26	6.13	5.31	6.77	19.87	25.83	5.27
07-13-88	1655	8.82	17.39	20.01	18.68	6.26	5.42	6.89	20.34	26.67	5.39
07-27-88	1669	9.04	17.69	20.57	19.10	6.39	5.53	7.02	20.81	27.45	5.54
08-12-88	1685	9.30	18.03	21.19	19.60	6.56	5.67	7.19	21.38	28.25	5.68
08-26-88	1699	9.53	18.32	21.72	20.04	6.71	5.79	7.33	21.87	28.87	5.99
09-14-88	1718	9.84	18.73	22.46	20.61	6.90	5.95	7.55	22.54	29.60	6.19
10-06-88	1740	10.13	19.15	23.15	21.21	7.09	6.12	7.76	23.27	30.42	6.43
10-27-88	1761	10.36	19.54	23.96	21.86	7.26	6.27	7.93	23.85	30.92	6.75
11-11-88	1776	10.53	19.77	24.29	22.15	7.35	6.36	8.05	24.22	31.26	6.83
12-02-88	1797	10.72	20.03	24.71	22.51	7.47	6.46	8.19	24.61	31.61	7.00
12-19-88	1814	10.85	20.21	25.01	22.75	7.55	6.54	8.30	24.95	31.93	7.07
01-05-89	1831	10.97	20.36	25.27	22.96	7.62	6.60	8.39	25.19	32.16	7.21
01-24-89	1850	11.09	20.52	25.53	23.17	7.69	6.67	8.49	25.44	32.35	7.23
03-08-89	1893	11.28	20.70	25.92	23.50	7.77	6.75	8.59	25.76	32.64	7.38
03-22-89	1907	11.34	20.76	26.06	23.67	7.81	6.87	8.66	25.89	32.99	7.60
04-05-89	1921	11.51	21.14	26.24	24.28	8.09	7.16	8.81	26.26	33.39	7.84
04-20-89	1936	11.87	21.51	26.70	24.90	8.34	7.37	9.08	27.07	33.84	8.19
05-03-89	1949	12.20	21.79	27.32	25.48	8.51	7.53	9.34	27.80	34.40	8.63
05-19-89	1965	12.52	22.13	28.38	26.08	8.70	7.71	9.63	28.83	35.47	8.89
05-31-89	1977	12.73	22.38	29.02	26.45	8.84	7.84	9.84	29.63	36.44	8.94
06-15-89	1992	12.96	22.69	30.01	26.93	8.97	8.00	10.08	30.79	37.93	9.31
06-29-89	2006	13.14	22.98	30.79	27.38	9.13	8.13	10.27	31.77	39.37	9.60

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Potassium Released (g)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	13.30	23.28	31.47	27.76	9.29	8.27	10.44	32.79	40.99	9.83
07-24-89	2031	13.47	23.57	32.30	28.19	9.47	8.42	10.62	33.91	42.77	10.03
08-14-89	2052	13.71	24.04	33.31	28.84	9.72	8.63	10.89	35.38	45.14	10.29
08-30-89	2068	13.89	24.37	34.19	29.33	9.93	8.79	11.09	36.57	46.70	10.50
09-13-89	2082	14.04	24.64	34.77	29.72	10.11	8.92	11.28	37.49	48.09	10.71
09-26-89	2095	14.18	24.88	35.31	30.08	10.25	9.02	11.42	38.37	49.01	10.86
11-08-89	2138	14.56	25.56	36.52	31.03	10.68	9.28	11.77	40.18	50.78	11.25
12-08-89	2168	14.78	25.93	37.20	31.56	10.89	9.42	11.98	41.16	51.73	11.49
01-05-90	2196	14.93	26.19	37.82	32.11	11.06	9.52	12.13	41.81	52.30	11.63
02-21-90	2243	15.12	26.54	38.35	32.66	11.28	9.67	12.30	42.49	52.85	11.82
03-09-90	2259	15.20	26.70	38.57	32.87	11.34	9.72	12.37	42.76	53.14	11.94
04-17-90	2298	15.38	26.95	38.96	33.28	11.47	9.81	12.51	43.29	53.59	12.13
05-31-90	2342	15.65	27.33	39.51	33.86	11.68	9.96	12.69	43.95	54.17	12.34
06-28-90	2370	15.82	27.58	39.88	34.20	11.85	10.13	12.81	44.43	54.63	12.51
10-04-90	2468	16.11	28.49	41.11	35.39	12.87	10.79	13.29	46.44	56.70	13.27
04-15-91	2661	16.60	29.09	41.93	36.21	13.50	11.25	13.57	48.92	59.10	14.42
06-14-91	2721	16.68	29.30	42.11	36.46	13.72	11.83	13.65	49.83	59.99	14.94
09-20-91	2819	16.78	29.56	42.37	36.86	14.82	12.78	13.77	52.52	63.01	16.73
12-02-91	2892	16.78	29.56	42.37	36.86	15.27	13.25	13.77	54.58	65.19	16.73
04-17-92	3029	17.81	32.55	45.27	39.93	16.13	13.88	13.77	54.58	69.34	16.73
08-13-92	3147	17.81	40.23	54.75	49.85	16.92	14.74	13.77	62.41	74.23	16.75
09-18-92	3183	17.81	41.69	55.81	51.10	17.11	14.93	13.77	63.54	75.31	16.85
12-15-92	3271	17.81	41.69	55.81	51.10	17.47	15.23	13.77	63.54	76.98	17.96

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Magnesium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0.01	0.01	0.01	0.02	0.00	0.02	0.01	0.01	0.02	0.00
11-16-84	320	0.01	0.01	0.01	0.02	0.00	0.02	0.01	0.01	0.02	0.00
01-24-85	389	0.01	0.01	0.01	0.03	0.00	0.02	0.01	0.01	0.02	0.00
02-13-85	409	0.01	0.01	0.01	0.03	0.00	0.02	0.01	3.46	3.48	0.13
03-11-85	435	0.01	0.01	0.01	0.03	0.00	0.02	0.01	6.08	5.49	0.13
03-12-85	436	0.01	0.01	0.01	0.03	0.00	0.02	0.01	6.90	5.82	0.13
03-29-85	453	0.01	0.20	0.03	0.07	0.00	0.02	0.15	7.57	6.21	0.14
04-04-85	459	0.01	0.20	0.03	0.07	0.00	0.02	0.15	7.57	6.21	1.70
04-12-85	467	0.01	0.20	0.03	0.07	0.00	0.02	0.15	7.57	6.21	1.82
06-20-85	536	1.13	1.40	0.85	2.55	0.00	0.02	1.76	8.75	7.19	1.82
07-23-85	569	1.13	1.40	0.85	2.55	0.00	0.02	1.76	8.75	7.19	3.12
08-14-85	591	1.72	2.27	1.79	3.73	0.00	0.04	2.37	9.47	8.09	3.12
10-24-85	662	2.22	3.25	2.74	4.94	0.01	0.05	2.85	10.22	9.17	3.85
01-30-86	760	2.78	4.22	4.53	6.03	0.01	0.26	3.37	12.31	10.22	4.02
02-22-86	783	2.78	4.22	4.53	6.03	0.01	0.26	3.37	17.38	19.39	4.02
02-28-86	789	3.75	6.72	7.65	8.49	0.43	0.70	3.77	18.26	21.30	4.02
03-07-86	796	3.75	6.72	7.65	10.72	1.35	0.70	3.77	18.26	21.30	4.02
03-13-86	802	3.75	6.72	7.65	10.72	1.73	2.39	5.24	20.21	21.30	4.02
03-21-86	810	4.85	10.75	12.51	12.51	2.27	3.20	5.70	21.00	21.65	5.01
03-28-86	817	5.12	11.68	13.81	13.14	2.44	3.48	5.90	22.28	23.17	7.07
04-03-86	823	5.28	12.35	14.87	13.63	2.60	3.73	6.09	23.27	24.31	7.07
04-10-86	830	5.53	13.10	15.87	14.08	2.74	3.95	6.24	24.04	25.33	7.07
04-17-86	837	5.69	13.72	16.79	14.48	2.88	4.15	6.37	24.67	26.28	8.04
04-25-86	845	5.87	14.47	17.73	14.69	3.04	4.40	6.49	25.37	27.11	8.16
05-01-86	851	6.01	15.02	18.41	15.04	3.16	4.57	6.60	25.98	27.82	8.16
05-08-86	858	6.18	15.82	19.21	15.45	3.28	4.76	6.70	26.74	28.63	8.61
05-15-86	865	6.36	16.64	20.42	15.92	3.42	4.95	6.81	27.64	29.52	8.61
05-22-86	872	6.49	17.41	21.33	16.31	3.52	5.10	6.91	28.45	30.31	8.61
05-29-86	879	6.63	18.25	22.57	16.74	3.63	5.24	6.99	29.42	31.23	8.61
06-06-86	887	6.79	19.25	23.85	17.21	3.74	5.39	7.10	30.84	32.39	8.61
06-09-86	890	6.79	19.25	23.85	17.21	3.74	5.39	7.10	30.84	32.39	9.29
06-12-86	893	6.89	19.96	24.66	17.54	3.82	5.52	7.17	31.70	33.21	9.29
06-19-86	900	7.00	20.92	25.93	17.96	3.91	5.65	7.24	32.90	34.29	9.48
06-26-86	907	7.12	21.98	27.28	18.40	4.00	5.79	7.32	34.17	35.52	9.70
07-03-86	914	7.24	23.16	28.73	18.85	4.09	5.92	7.39	35.49	36.87	9.98
07-10-86	921	7.33	24.15	30.11	19.26	4.17	6.04	7.45	36.56	38.01	9.98
07-17-86	928	7.41	25.08	31.14	19.59	4.23	6.14	7.50	37.74	39.05	10.11
07-24-86	935	7.49	25.94	32.18	19.94	4.31	6.23	7.55	38.73	39.99	10.22
08-07-86	949	7.53	26.65	33.10	20.28	4.35	6.31	7.60	39.45	40.71	10.22
08-13-86	955	7.65	27.99	35.08	21.04	4.47	6.47	7.68	40.82	42.06	10.44
08-28-86	970	7.77	29.43	36.93	21.91	4.58	6.61	7.77	41.98	43.18	10.55
09-10-86	983	7.88	30.78	38.78	22.80	4.69	6.74	7.86	42.87	44.08	10.64
09-25-86	998	7.98	32.03	40.37	23.77	4.79	6.86	7.95	43.60	44.81	10.74
10-02-86	1005	8.06	32.98	41.80	24.48	4.86	6.95	8.01	44.13	45.24	10.80
10-23-86	1026	8.14	33.84	43.15	25.46	4.95	7.04	8.09	44.49	45.55	10.85
11-06-86	1040	8.18	34.63	43.98	26.05	5.01	7.10	8.15	44.70	45.74	10.91
11-20-86	1054	8.22	35.27	44.80	26.73	5.06	7.15	8.20	44.94	45.97	10.91
12-10-86	1074	8.26	36.02	45.63	27.47	5.12	7.21	8.26	45.33	46.36	10.91
12-30-86	1094	8.32	36.69	46.49	28.28	5.17	7.26	8.31	45.80	46.79	11.03
01-13-87	1108	8.34	37.15	46.82	28.69	5.20	7.30	8.34	46.13	47.07	11.03
01-26-87	1121	8.37	37.55	47.30	29.22	5.23	7.33	8.37	46.45	47.33	11.03
02-09-87	1135	8.40	37.92	47.59	29.67	5.25	7.36	8.39	46.77	47.63	11.03
03-09-87	1163	8.44	38.58	47.99	30.29	5.36	7.55	8.45	47.33	48.04	11.13
03-23-87	1177	8.47	39.63	48.62	30.98	5.55	7.76	8.48	48.13	48.70	11.13
04-07-87	1192	8.50	40.94	49.00	31.86	5.72	7.96	8.52	49.00	49.45	11.13

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Magnesium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	8.59	42.22	49.45	32.91	5.89	8.16	8.58	49.75	50.34	11.13
04-24-87	1209	8.59	42.22	49.45	32.91	5.89	8.16	8.58	49.75	50.34	11.33
05-08-87	1223	8.71	43.87	50.19	34.18	6.06	8.38	8.66	50.73	51.55	11.33
05-27-87	1242	8.87	45.84	51.30	35.68	6.27	8.63	8.71	51.29	52.70	11.62
06-10-87	1256	9.03	47.63	52.40	36.73	6.44	8.83	8.89	53.28	54.08	11.62
06-24-87	1270	9.18	49.24	53.78	37.63	6.58	9.01	9.02	54.60	55.34	12.08
07-08-87	1284	9.33	50.76	55.28	38.67	6.74	9.19	9.13	55.81	56.44	12.08
07-22-87	1298	9.47	52.18	56.60	39.27	6.88	9.35	9.24	57.14	57.43	12.21
08-06-87	1313	9.60	53.48	57.69	40.08	7.01	9.51	9.34	58.40	58.29	12.21
08-19-87	1326	9.70	54.45	58.58	40.71	7.14	9.63	9.43	59.49	59.01	12.71
09-03-87	1341	9.80	55.52	59.44	41.33	7.25	9.76	9.51	60.63	59.74	15.10
09-08-87	1346	9.80	55.52	59.44	41.57	7.25	9.76	9.51	60.63	59.74	15.10
09-09-87	1347	9.80	55.52	59.44	41.57	7.25	9.76	9.51	60.63	59.74	15.35
09-17-87	1355	9.90	56.59	60.20	42.23	7.38	9.87	9.59	61.57	60.35	15.35
10-01-87	1369	9.98	57.64	60.91	42.88	7.50	9.97	9.66	62.46	60.94	15.35
10-17-87	1385	10.07	58.77	61.65	43.59	7.64	10.06	9.74	63.42	61.57	15.35
10-29-87	1397	10.14	59.58	62.15	44.11	7.73	10.13	9.79	64.09	62.01	15.35
11-18-87	1417	10.23	60.86	62.88	44.93	7.86	10.21	9.87	65.11	62.67	15.35
11-30-87	1429	10.31	61.69	63.60	45.42	7.94	10.28	9.92	65.99	63.23	15.35
12-18-87	1447	10.37	62.35	64.09	45.84	7.99	10.34	9.96	66.63	63.68	15.35
01-06-88	1466	10.41	62.93	64.51	46.25	8.04	10.39	10.00	67.30	64.13	15.35
01-20-88	1480	10.46	63.33	64.92	46.60	8.08	10.42	10.03	67.67	64.36	15.35
02-04-88	1495	10.49	63.65	65.24	46.88	8.12	10.45	10.06	68.06	64.58	15.35
02-17-88	1508	10.52	63.94	65.54	47.12	8.14	10.48	10.09	68.40	64.80	16.05
03-07-88	1527	10.57	64.33	65.91	47.47	8.18	10.53	10.12	68.79	65.04	16.30
03-08-88	1528	10.57	64.33	65.91	47.47	8.18	10.53	10.12	68.79	65.04	16.41
03-24-88	1544	10.60	64.66	66.18	47.76	8.23	10.61	10.15	69.11	65.26	16.49
04-07-88	1558	10.63	64.98	66.41	48.05	8.28	10.69	10.17	69.41	65.43	16.63
04-19-88	1570	10.66	65.34	66.61	48.35	8.34	10.75	10.19	69.73	65.61	16.72
05-04-88	1585	10.71	65.82	66.88	48.82	8.42	10.84	10.22	70.19	65.84	16.78
05-19-88	1600	10.75	66.31	67.18	49.49	8.50	10.93	10.25	70.66	66.15	16.99
06-02-88	1614	10.81	66.83	67.59	50.12	8.58	11.02	10.28	71.16	66.52	17.18
06-14-88	1626	10.86	67.32	67.92	50.65	8.65	11.10	10.32	71.65	66.89	17.35
06-29-88	1641	10.93	67.87	68.42	51.32	8.75	11.20	10.36	72.27	67.34	17.57
07-13-88	1655	11.00	68.44	69.00	51.98	8.83	11.30	10.41	72.89	67.79	17.75
07-27-88	1669	11.08	69.03	69.61	52.61	8.92	11.39	10.46	73.49	68.21	17.99
08-12-88	1685	11.16	69.68	70.23	53.33	9.02	11.50	10.52	74.15	68.63	18.18
08-26-88	1699	11.24	70.22	70.72	53.94	9.12	11.60	10.56	74.69	68.96	18.60
09-14-88	1718	11.33	70.92	71.32	54.68	9.23	11.72	10.63	75.37	69.35	18.85
10-06-88	1740	11.41	71.62	71.79	55.41	9.34	11.84	10.70	76.03	69.78	19.15
10-27-88	1761	11.47	72.22	72.25	56.12	9.43	11.94	10.74	76.51	70.04	19.51
11-11-88	1776	11.52	72.60	72.46	56.49	9.48	12.00	10.78	76.84	70.24	19.62
12-02-88	1797	11.58	73.07	72.77	56.99	9.55	12.07	10.82	77.24	70.47	19.84
12-19-88	1814	11.62	73.42	73.01	57.36	9.59	12.12	10.85	77.61	70.70	19.95
01-05-89	1831	11.66	73.73	73.25	57.70	9.63	12.16	10.88	77.90	70.88	20.15
01-24-89	1850	11.70	74.05	73.51	58.11	9.68	12.19	10.91	78.23	71.05	20.20
03-08-89	1893	11.78	74.41	73.91	58.70	9.74	12.25	10.95	78.63	71.31	20.45
03-22-89	1907	11.81	74.53	74.05	59.03	9.77	12.35	10.98	78.80	71.62	20.84
04-05-89	1921	11.88	75.15	74.22	60.16	10.02	12.61	11.05	79.23	71.98	21.26
04-20-89	1936	12.06	75.64	74.69	61.29	10.28	12.86	11.19	80.15	72.38	21.92
05-03-89	1949	12.23	75.97	75.29	62.32	10.46	13.05	11.32	80.85	72.73	22.72
05-19-89	1965	12.40	76.35	76.15	63.30	10.65	13.26	11.47	81.58	73.10	23.18
05-31-89	1977	12.52	76.64	76.60	63.87	10.77	13.40	11.58	82.03	73.34	23.26
06-15-89	1992	12.64	77.00	77.18	64.57	10.89	13.57	11.69	82.54	73.58	23.85
06-29-89	2006	12.74	77.34	77.54	65.17	11.00	13.71	11.78	82.87	73.75	24.31

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Magnesium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	12.83	77.68	77.79	65.65	11.12	13.85	11.87	83.15	73.90	24.65
07-24-89	2031	12.93	78.02	78.02	66.16	11.24	13.99	11.95	83.39	74.01	24.95
08-14-89	2052	13.05	78.53	78.30	66.90	11.41	14.20	12.07	83.69	74.17	25.33
08-30-89	2068	13.14	78.88	78.54	67.44	11.54	14.35	12.16	83.91	74.27	25.64
09-13-89	2082	13.21	79.16	78.70	67.86	11.65	14.46	12.23	84.08	74.37	25.94
09-26-89	2095	13.28	79.40	78.85	68.24	11.73	14.56	12.29	84.23	74.44	26.16
11-08-89	2138	13.44	80.01	79.19	69.16	11.97	14.77	12.41	84.49	74.59	26.71
12-08-89	2168	13.53	80.37	79.40	69.73	12.09	14.89	12.48	84.67	74.70	27.04
01-05-90	2196	13.59	80.63	79.62	70.37	12.18	14.96	12.54	84.82	74.78	27.23
02-21-90	2243	13.68	81.02	79.86	71.07	12.29	15.07	12.60	85.04	74.90	27.50
03-09-90	2259	13.71	81.19	79.95	71.35	12.33	15.10	12.63	85.12	74.96	27.66
04-17-90	2298	13.78	81.44	80.13	71.91	12.39	15.16	12.68	85.29	75.06	27.92
05-31-90	2342	13.87	81.80	80.37	72.71	12.48	15.25	12.75	85.49	75.17	28.21
06-28-90	2370	13.94	82.04	80.54	73.20	12.55	15.35	12.79	85.64	75.26	28.43
10-04-90	2468	14.06	83.05	81.19	75.15	13.03	15.75	13.01	86.19	75.61	29.34
04-15-91	2661	14.42	84.07	81.91	77.20	13.36	16.06	13.23	86.71	75.93	30.49
06-14-91	2721	14.50	84.52	82.12	78.03	13.48	16.47	13.32	86.89	76.04	30.98
09-20-91	2819	14.71	85.68	82.75	80.74	14.16	17.19	13.61	87.30	76.36	32.51
12-02-91	2892	14.94	86.43	83.38	82.29	14.46	17.57	13.81	87.57	76.56	32.51
04-17-92	3029	15.58	87.16	84.13	85.09	15.11	18.14	14.48	88.11	77.12	32.51
08-13-92	3147	16.32	87.96	84.93	88.44	16.21	19.46	15.35	88.69	77.91	32.53
09-18-92	3183	16.53	88.17	85.02	89.04	16.42	19.69	15.53	88.80	78.05	32.63
12-15-92	3271	16.86	88.46	85.02	89.86	16.70	19.94	15.80	88.88	78.17	37.17

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Sodium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0	0	0	0	0	0	0	0	0	0
11-16-84	320	0	0	0	0	0	0	0	0	0	0
01-24-85	389	0	0	0	0	0	0	0	0	0	0
02-13-85	409	0	0	0	0	0	0	0	10	9	0
03-11-85	435	0	0	0	0	0	0	0	15	12	0
03-12-85	436	0	0	0	0	0	0	0	16	13	0
03-29-85	453	0	1	0	0	0	0	1	17	13	0
04-04-85	459	0	1	0	0	0	0	1	17	13	2
04-12-85	467	0	1	0	0	0	0	1	17	13	2
06-20-85	536	2	3	1	2	0	0	3	18	14	2
07-23-85	569	2	3	1	2	0	0	3	18	14	4
08-14-85	591	2	5	4	4	0	0	3	20	17	4
10-24-85	662	3	7	8	8	0	0	4	21	22	5
01-30-86	760	4	10	15	13	0	0	5	27	27	5
02-22-86	783	4	10	15	13	0	0	5	41	71	5
02-28-86	789	5	18	28	25	1	1	5	43	80	5
03-07-86	796	5	18	28	36	2	1	5	43	80	5
03-13-86	802	5	18	28	36	2	3	7	49	80	5
03-21-86	810	6	32	49	46	3	4	8	51	82	6
03-28-86	817	6	35	54	49	3	4	8	55	89	10
04-03-86	823	6	37	59	52	4	5	8	57	95	10
04-10-86	830	6	40	63	54	4	5	9	60	100	10
04-17-86	837	7	42	67	56	4	5	9	61	105	11
04-25-86	845	7	44	71	58	4	5	9	63	109	11
05-01-86	851	7	47	74	60	4	6	9	65	113	11
05-08-86	858	7	50	79	62	5	6	9	68	119	12
05-15-86	865	7	54	85	64	5	6	9	72	126	12
05-22-86	872	7	57	91	66	5	6	10	76	133	12
05-29-86	879	8	62	99	68	5	6	10	80	142	12
06-06-86	887	8	67	107	71	5	7	10	87	154	12
06-09-86	890	8	67	107	71	5	7	10	87	154	13
06-12-86	893	8	71	113	72	5	7	10	92	162	13
06-19-86	900	8	76	122	74	6	7	10	98	175	14
06-26-86	907	8	82	131	76	6	7	10	105	189	14
07-03-86	914	8	89	142	78	6	7	10	112	205	14
07-10-86	921	8	95	152	80	6	7	10	118	219	14
07-17-86	928	8	100	160	81	6	7	11	124	232	15
07-24-86	935	9	106	168	82	6	8	11	130	244	15
08-07-86	949	9	110	176	84	6	8	11	135	255	15
08-13-86	955	9	119	192	88	7	8	11	145	274	15
08-28-86	970	9	129	208	93	7	8	11	156	293	15
09-10-86	983	9	138	225	98	7	8	11	167	309	16
09-25-86	998	9	147	239	104	7	8	11	177	324	16
10-02-86	1005	10	154	253	109	7	9	12	186	334	16
10-23-86	1026	10	160	266	115	7	9	12	196	344	16
11-06-86	1040	10	166	275	120	7	9	12	204	351	17
11-20-86	1054	10	171	283	124	8	9	12	210	358	17
12-10-86	1074	10	177	292	129	8	9	12	217	365	17
12-30-86	1094	10	182	301	134	8	9	12	223	372	17
01-13-87	1108	10	185	304	136	8	9	12	227	375	17
01-26-87	1121	10	187	309	139	8	9	12	230	378	17
02-09-87	1135	10	190	312	142	8	9	12	233	382	17
03-09-87	1163	10	195	316	147	8	10	12	239	387	17
03-23-87	1177	11	205	323	153	8	10	13	249	396	17
04-07-87	1192	11	219	328	163	9	10	13	262	407	17

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Sodium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	11	234	333	176	9	10	13	273	422	17
04-24-87	1209	11	234	333	176	9	10	13	273	422	17
05-08-87	1223	11	255	342	196	9	11	13	291	444	17
05-27-87	1242	11	284	356	227	10	11	13	304	468	18
06-10-87	1256	11	310	374	249	10	11	13	349	501	18
06-24-87	1270	12	335	404	269	10	11	14	380	535	18
07-08-87	1284	12	359	443	294	10	11	14	410	569	18
07-22-87	1298	12	382	485	309	11	12	14	444	603	19
08-06-87	1313	12	405	527	330	11	12	14	478	638	19
08-19-87	1326	13	422	568	348	11	12	14	508	671	19
09-03-87	1341	13	440	605	366	11	12	15	537	702	23
09-08-87	1346	13	440	605	373	11	12	15	537	702	23
09-09-87	1347	13	440	605	373	11	12	15	537	702	23
09-17-87	1355	13	458	635	391	12	12	15	561	726	23
10-01-87	1369	13	474	662	410	12	12	15	582	747	23
10-17-87	1385	14	492	688	430	12	12	15	603	769	23
10-29-87	1397	14	504	705	445	12	13	15	618	783	23
11-18-87	1417	14	522	727	468	13	13	16	638	802	23
11-30-87	1429	14	534	748	482	13	13	16	655	817	23
12-18-87	1447	14	543	761	493	13	13	16	667	829	23
01-06-88	1466	14	551	772	503	13	13	16	680	841	23
01-20-88	1480	15	556	783	510	13	13	16	686	846	23
02-04-88	1495	15	560	792	516	13	13	16	693	852	23
02-17-88	1508	15	564	799	521	13	13	16	699	858	25
03-07-88	1527	15	569	809	527	13	13	16	706	864	25
03-08-88	1528	15	569	809	527	13	13	16	706	864	25
03-24-88	1544	15	573	816	533	13	13	16	711	870	25
04-07-88	1558	15	578	822	540	13	14	16	718	876	26
04-19-88	1570	15	583	827	547	13	14	17	725	883	26
05-04-88	1585	15	592	834	559	14	14	17	736	894	26
05-19-88	1600	15	601	841	577	14	14	17	749	910	26
06-02-88	1614	16	611	852	596	14	14	17	764	933	26
06-14-88	1626	16	622	862	612	14	14	17	779	957	27
06-29-88	1641	16	634	877	632	14	14	17	799	985	27
07-13-88	1655	16	647	897	653	14	15	17	820	1015	27
07-27-88	1669	16	661	921	674	14	15	17	841	1043	28
08-12-88	1685	17	677	948	698	15	15	18	867	1072	28
08-26-88	1699	17	690	972	720	15	15	18	888	1095	29
09-14-88	1718	17	709	1007	746	15	15	18	917	1124	29
10-06-88	1740	18	728	1040	774	15	15	18	947	1157	30
10-27-88	1761	18	746	1080	803	15	16	18	971	1178	30
11-11-88	1776	18	757	1097	816	16	16	19	987	1193	31
12-02-88	1797	18	769	1118	831	16	16	19	1004	1209	31
12-19-88	1814	19	778	1133	842	16	16	19	1018	1223	31
01-05-89	1831	19	786	1147	850	16	16	19	1029	1234	32
01-24-89	1850	19	793	1161	860	16	16	19	1040	1243	32
03-08-89	1893	19	804	1180	875	16	16	19	1055	1257	32
03-22-89	1907	19	808	1186	884	16	16	19	1061	1273	33
04-05-89	1921	19	833	1194	918	17	17	20	1078	1291	34
04-20-89	1936	20	862	1215	955	17	17	20	1117	1311	35
05-03-89	1949	20	885	1243	990	17	18	20	1149	1332	36
05-19-89	1965	21	913	1292	1025	18	18	20	1190	1365	37
05-31-89	1977	21	934	1323	1046	18	18	21	1221	1393	37
06-15-89	1992	21	961	1373	1073	18	18	21	1262	1434	38
06-29-89	2006	21	985	1414	1097	18	19	21	1295	1472	39

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Sodium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	21	1010	1450	1117	19	19	21	1328	1514	40
07-24-89	2031	22	1034	1496	1140	19	19	22	1364	1559	40
08-14-89	2052	22	1071	1550	1174	19	19	22	1409	1620	41
08-30-89	2068	22	1096	1597	1200	19	20	22	1444	1661	41
09-13-89	2082	22	1116	1626	1222	20	20	22	1471	1698	42
09-26-89	2095	22	1133	1654	1241	20	20	23	1496	1723	42
11-08-89	2138	23	1176	1713	1295	20	20	23	1544	1776	44
12-08-89	2168	23	1199	1746	1323	21	21	23	1572	1805	44
01-05-90	2196	23	1215	1776	1350	21	21	24	1591	1825	45
02-21-90	2243	24	1237	1802	1373	21	21	24	1614	1846	45
03-09-90	2259	24	1247	1812	1382	21	21	24	1623	1857	46
04-17-90	2298	24	1261	1830	1398	21	21	24	1641	1874	46
05-31-90	2342	24	1280	1853	1419	21	21	24	1662	1897	47
06-28-90	2370	25	1294	1870	1432	22	22	24	1678	1914	47
10-04-90	2468	25	1358	1944	1486	23	23	25	1747	1994	52
04-15-91	2661	26	1439	2046	1549	24	24	26	1837	2088	64
06-14-91	2721	27	1477	2077	1576	24	25	27	1871	2123	70
09-20-91	2819	27	1591	2185	1669	26	26	28	1976	2242	93
12-02-91	2892	28	1673	2303	1726	26	27	29	2058	2328	93
04-17-92	3029	47	1818	2536	1843	28	29	30	2203	2537	93
08-13-92	3147	50	2074	2905	2027	30	31	33	2492	2881	94
09-18-92	3183	50	2140	2962	2061	31	32	33	2548	2955	96
12-15-92	3271	51	2229	3079	2107	32	32	34	2621	3057	134

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Strontium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11-16-84	320	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-24-85	389	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02-13-85	409	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.08	0.00
03-11-85	435	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.13	0.00
03-12-85	436	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13	0.00
03-29-85	453	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.00
04-04-85	459	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.02
04-12-85	467	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.14	0.02
06-20-85	536	0.02	0.03	0.02	0.05	0.00	0.00	0.03	0.16	0.16	0.02
07-23-85	569	0.02	0.03	0.02	0.05	0.00	0.00	0.03	0.16	0.16	0.05
08-14-85	591	0.04	0.04	0.03	0.08	0.00	0.00	0.05	0.18	0.17	0.05
10-24-85	662	0.05	0.06	0.05	0.10	0.00	0.00	0.05	0.19	0.19	0.06
01-30-86	760	0.06	0.07	0.08	0.12	0.00	0.01	0.06	0.22	0.20	0.06
02-22-86	783	0.06	0.07	0.08	0.12	0.00	0.01	0.06	0.29	0.32	0.06
02-28-86	789	0.07	0.11	0.13	0.16	0.01	0.01	0.07	0.30	0.35	0.06
03-07-86	796	0.07	0.11	0.13	0.20	0.03	0.01	0.07	0.30	0.35	0.06
03-13-86	802	0.07	0.11	0.13	0.20	0.03	0.04	0.10	0.33	0.35	0.06
03-21-86	810	0.09	0.17	0.20	0.23	0.04	0.06	0.11	0.34	0.35	0.08
03-28-86	817	0.10	0.18	0.22	0.25	0.05	0.06	0.11	0.36	0.37	0.12
04-03-86	823	0.10	0.19	0.24	0.25	0.05	0.07	0.12	0.37	0.39	0.12
04-10-86	830	0.10	0.21	0.25	0.26	0.05	0.07	0.12	0.38	0.40	0.12
04-17-86	837	0.11	0.21	0.27	0.27	0.05	0.08	0.12	0.39	0.42	0.14
04-25-86	845	0.11	0.23	0.28	0.27	0.06	0.08	0.12	0.40	0.43	0.14
05-01-86	851	0.11	0.23	0.29	0.28	0.06	0.08	0.13	0.41	0.43	0.14
05-08-86	858	0.12	0.25	0.30	0.29	0.06	0.09	0.13	0.42	0.44	0.15
05-15-86	865	0.12	0.26	0.32	0.29	0.07	0.09	0.13	0.43	0.46	0.15
05-22-86	872	0.12	0.27	0.33	0.30	0.07	0.09	0.13	0.44	0.46	0.15
05-29-86	879	0.12	0.28	0.35	0.31	0.07	0.10	0.13	0.45	0.47	0.15
06-06-86	887	0.13	0.30	0.37	0.32	0.07	0.10	0.13	0.47	0.49	0.15
06-09-86	890	0.13	0.30	0.37	0.32	0.07	0.10	0.13	0.47	0.49	0.16
06-12-86	893	0.13	0.31	0.38	0.32	0.07	0.10	0.14	0.48	0.50	0.16
06-19-86	900	0.13	0.32	0.39	0.33	0.07	0.10	0.14	0.49	0.51	0.17
06-26-86	907	0.13	0.33	0.41	0.34	0.08	0.11	0.14	0.50	0.52	0.17
07-03-86	914	0.13	0.35	0.43	0.35	0.08	0.11	0.14	0.52	0.53	0.18
07-10-86	921	0.14	0.37	0.45	0.36	0.08	0.11	0.14	0.53	0.54	0.18
07-17-86	928	0.14	0.38	0.46	0.36	0.08	0.11	0.14	0.54	0.55	0.18
07-24-86	935	0.14	0.39	0.47	0.37	0.08	0.11	0.14	0.55	0.56	0.18
08-07-86	949	0.14	0.40	0.49	0.38	0.08	0.12	0.14	0.56	0.57	0.18
08-13-86	955	0.14	0.42	0.51	0.39	0.09	0.12	0.15	0.58	0.59	0.19
08-28-86	970	0.14	0.44	0.53	0.40	0.09	0.12	0.15	0.59	0.60	0.19
09-10-86	983	0.15	0.46	0.55	0.42	0.09	0.12	0.15	0.61	0.61	0.19
09-25-86	998	0.15	0.48	0.57	0.44	0.09	0.13	0.15	0.62	0.63	0.19
10-02-86	1005	0.15	0.49	0.59	0.45	0.09	0.13	0.15	0.63	0.63	0.20
10-23-86	1026	0.15	0.50	0.60	0.46	0.10	0.13	0.15	0.64	0.64	0.20
11-06-86	1040	0.15	0.51	0.61	0.47	0.10	0.13	0.15	0.65	0.65	0.20
11-20-86	1054	0.15	0.52	0.62	0.48	0.10	0.13	0.15	0.65	0.65	0.20
12-10-86	1074	0.15	0.53	0.63	0.50	0.10	0.13	0.15	0.66	0.66	0.20
12-30-86	1094	0.16	0.54	0.63	0.51	0.10	0.14	0.16	0.67	0.67	0.20
01-13-87	1108	0.16	0.54	0.64	0.51	0.10	0.14	0.16	0.67	0.67	0.20
01-26-87	1121	0.16	0.55	0.64	0.52	0.10	0.14	0.16	0.67	0.67	0.20
02-09-87	1135	0.16	0.55	0.64	0.53	0.10	0.14	0.16	0.68	0.68	0.20
03-09-87	1163	0.16	0.56	0.65	0.54	0.10	0.14	0.16	0.68	0.68	0.21
03-23-87	1177	0.16	0.57	0.65	0.55	0.11	0.15	0.16	0.69	0.69	0.21
04-07-87	1192	0.16	0.59	0.66	0.56	0.11	0.15	0.16	0.70	0.70	0.21

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Strontium Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	0.16	0.61	0.66	0.58	0.12	0.15	0.16	0.71	0.71	0.21
04-24-87	1209	0.16	0.61	0.66	0.58	0.12	0.15	0.16	0.71	0.71	0.21
05-08-87	1223	0.16	0.63	0.67	0.61	0.12	0.16	0.16	0.72	0.72	0.21
05-27-87	1242	0.17	0.65	0.68	0.64	0.13	0.16	0.16	0.73	0.73	0.22
06-10-87	1256	0.17	0.67	0.69	0.66	0.13	0.17	0.17	0.75	0.75	0.22
06-24-87	1270	0.17	0.69	0.71	0.67	0.13	0.17	0.17	0.77	0.76	0.23
07-08-87	1284	0.18	0.71	0.72	0.69	0.14	0.18	0.17	0.78	0.77	0.23
07-22-87	1298	0.18	0.73	0.74	0.71	0.14	0.18	0.17	0.79	0.78	0.23
08-06-87	1313	0.18	0.75	0.75	0.72	0.14	0.18	0.18	0.81	0.79	0.23
08-19-87	1326	0.18	0.76	0.76	0.73	0.15	0.19	0.18	0.82	0.80	0.24
09-03-87	1341	0.18	0.78	0.77	0.74	0.15	0.19	0.18	0.83	0.81	0.29
09-08-87	1346	0.18	0.78	0.77	0.75	0.15	0.19	0.18	0.83	0.81	0.29
09-09-87	1347	0.18	0.78	0.77	0.75	0.15	0.19	0.18	0.83	0.81	0.29
09-17-87	1355	0.19	0.79	0.77	0.76	0.15	0.19	0.18	0.83	0.81	0.29
10-01-87	1369	0.19	0.81	0.78	0.77	0.15	0.19	0.18	0.84	0.82	0.29
10-17-87	1385	0.19	0.82	0.79	0.78	0.16	0.19	0.18	0.85	0.83	0.29
10-29-87	1397	0.19	0.84	0.80	0.79	0.16	0.20	0.18	0.86	0.83	0.29
11-18-87	1417	0.19	0.85	0.80	0.80	0.16	0.20	0.19	0.87	0.84	0.29
11-30-87	1429	0.19	0.87	0.81	0.81	0.16	0.20	0.19	0.87	0.84	0.29
12-18-87	1447	0.20	0.87	0.82	0.82	0.16	0.20	0.19	0.88	0.85	0.29
01-06-88	1466	0.20	0.88	0.82	0.83	0.17	0.20	0.19	0.89	0.85	0.29
01-20-88	1480	0.20	0.89	0.83	0.83	0.17	0.20	0.19	0.89	0.86	0.29
02-04-88	1495	0.20	0.89	0.83	0.84	0.17	0.20	0.19	0.89	0.86	0.29
02-17-88	1508	0.20	0.90	0.83	0.84	0.17	0.20	0.19	0.89	0.86	0.31
03-07-88	1527	0.20	0.90	0.84	0.85	0.17	0.21	0.19	0.90	0.86	0.31
03-08-88	1528	0.20	0.90	0.84	0.85	0.17	0.21	0.19	0.90	0.86	0.32
03-24-88	1544	0.20	0.91	0.84	0.85	0.17	0.21	0.19	0.90	0.87	0.32
04-07-88	1558	0.20	0.91	0.84	0.86	0.17	0.21	0.19	0.90	0.87	0.32
04-19-88	1570	0.20	0.91	0.85	0.86	0.17	0.22	0.19	0.91	0.87	0.32
05-04-88	1585	0.20	0.92	0.85	0.87	0.17	0.22	0.19	0.91	0.87	0.32
05-19-88	1600	0.20	0.93	0.85	0.88	0.18	0.22	0.19	0.91	0.87	0.33
06-02-88	1614	0.21	0.94	0.86	0.89	0.18	0.22	0.20	0.91	0.88	0.33
06-14-88	1626	0.21	0.94	0.86	0.90	0.18	0.22	0.20	0.92	0.88	0.34
06-29-88	1641	0.21	0.95	0.86	0.91	0.18	0.23	0.20	0.92	0.88	0.34
07-13-88	1655	0.21	0.96	0.87	0.93	0.18	0.23	0.20	0.93	0.88	0.34
07-27-88	1669	0.21	0.97	0.88	0.94	0.19	0.23	0.20	0.93	0.89	0.35
08-12-88	1685	0.21	0.98	0.88	0.95	0.19	0.23	0.20	0.93	0.89	0.35
08-26-88	1699	0.21	0.98	0.89	0.96	0.19	0.23	0.20	0.94	0.89	0.36
09-14-88	1718	0.22	0.99	0.90	0.98	0.19	0.24	0.20	0.94	0.90	0.37
10-06-88	1740	0.22	1.00	0.90	0.99	0.19	0.24	0.21	0.95	0.90	0.38
10-27-88	1761	0.22	1.01	0.90	1.00	0.20	0.24	0.21	0.95	0.90	0.38
11-11-88	1776	0.22	1.02	0.91	1.01	0.20	0.24	0.21	0.95	0.90	0.39
12-02-88	1797	0.22	1.03	0.91	1.02	0.20	0.24	0.21	0.96	0.91	0.39
12-19-88	1814	0.22	1.03	0.91	1.03	0.20	0.24	0.21	0.96	0.91	0.39
01-05-89	1831	0.22	1.03	0.91	1.03	0.20	0.24	0.21	0.96	0.91	0.40
01-24-89	1850	0.23	1.04	0.91	1.04	0.20	0.25	0.21	0.96	0.91	0.40
03-08-89	1893	0.23	1.04	0.92	1.05	0.20	0.25	0.21	0.97	0.91	0.40
03-22-89	1907	0.23	1.04	0.92	1.05	0.20	0.25	0.21	0.97	0.91	0.41
04-05-89	1921	0.23	1.05	0.92	1.07	0.21	0.25	0.21	0.97	0.91	0.42
04-20-89	1936	0.23	1.06	0.92	1.09	0.21	0.26	0.22	0.98	0.92	0.43
05-03-89	1949	0.24	1.06	0.93	1.11	0.22	0.26	0.22	0.99	0.92	0.45
05-19-89	1965	0.24	1.07	0.93	1.13	0.22	0.26	0.22	0.99	0.92	0.45
05-31-89	1977	0.24	1.07	0.94	1.14	0.22	0.27	0.22	1.00	0.93	0.46
06-15-89	1992	0.24	1.07	0.94	1.15	0.23	0.27	0.23	1.00	0.93	0.47
06-29-89	2006	0.24	1.08	0.94	1.16	0.23	0.27	0.23	1.00	0.93	0.48

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Strontium Released (g)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	0.25	1.08	0.95	1.17	0.23	0.28	0.23	1.01	0.93	0.48
07-24-89	2031	0.25	1.08	0.95	1.18	0.23	0.28	0.23	1.01	0.93	0.49
08-14-89	2052	0.25	1.08	0.95	1.19	0.24	0.28	0.23	1.01	0.93	0.50
08-30-89	2068	0.25	1.09	0.95	1.20	0.24	0.28	0.24	1.01	0.94	0.50
09-13-89	2082	0.25	1.09	0.95	1.20	0.24	0.29	0.24	1.02	0.94	0.51
09-26-89	2095	0.26	1.09	0.95	1.21	0.24	0.29	0.24	1.02	0.94	0.51
11-08-89	2138	0.26	1.10	0.96	1.23	0.25	0.29	0.24	1.02	0.94	0.52
12-08-89	2168	0.26	1.10	0.96	1.24	0.25	0.29	0.24	1.02	0.94	0.53
01-05-90	2196	0.26	1.10	0.96	1.25	0.25	0.30	0.24	1.02	0.94	0.53
02-21-90	2243	0.26	1.10	0.96	1.26	0.26	0.30	0.25	1.02	0.95	0.54
03-09-90	2259	0.26	1.11	0.96	1.27	0.26	0.30	0.25	1.03	0.95	0.54
04-17-90	2298	0.27	1.11	0.97	1.28	0.26	0.30	0.25	1.03	0.95	0.55
05-31-90	2342	0.27	1.11	0.97	1.29	0.26	0.30	0.25	1.03	0.95	0.55
06-28-90	2370	0.27	1.11	0.97	1.30	0.26	0.30	0.25	1.03	0.95	0.55
10-04-90	2468	0.27	1.12	0.97	1.34	0.27	0.31	0.25	1.03	0.95	0.55
04-15-91	2661	0.28	1.13	0.98	1.38	0.28	0.32	0.26	1.04	0.96	0.56
06-14-91	2721	0.28	1.14	0.98	1.39	0.28	0.33	0.26	1.04	0.96	0.56
09-20-91	2819	0.29	1.15	0.99	1.45	0.30	0.34	0.27	1.05	0.96	0.57
12-02-91	2892	0.29	1.15	0.99	1.48	0.30	0.35	0.27	1.05	0.97	0.57
04-17-92	3029	0.30	1.17	1.00	1.54	0.32	0.36	0.28	1.06	0.97	0.57
08-13-92	3147	0.32	1.18	1.02	1.63	0.34	0.39	0.31	1.08	0.99	0.57
09-18-92	3183	0.33	1.18	1.02	1.65	0.34	0.40	0.31	1.08	0.99	0.57
12-15-92	3271	0.33	1.18	1.02	1.67	0.35	0.40	0.32	1.08	0.99	0.66

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Floride Released (g)

Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0.01	0.01	0.01	0.03	0.00	0.00	0.01	0.01	0.03	0.00
11-16-84	320	0.01	0.01	0.01	0.03	0.00	0.00	0.01	0.01	0.03	0.00
01-24-85	389	0.01	0.01	0.02	0.03	0.00	0.00	0.01	0.01	0.03	0.00
02-13-85	409	0.01	0.01	0.02	0.03	0.00	0.00	0.01	0.72	1.48	0.01
03-11-85	435	0.01	0.01	0.02	0.03	0.00	0.00	0.01	0.98	1.89	0.01
03-12-85	436	0.01	0.01	0.02	0.03	0.00	0.00	0.01	1.05	1.95	0.01
03-29-85	453	0.01	0.02	0.02	0.03	0.00	0.00	0.02	1.07	1.96	0.01
04-04-85	459	0.01	0.02	0.02	0.03	0.00	0.00	0.02	1.07	1.96	0.08
04-12-85	467	0.01	0.02	0.02	0.03	0.00	0.00	0.02	1.07	1.96	0.09
06-20-85	536	0.04	0.06	0.04	0.06	0.00	0.00	0.05	1.10	2.00	0.09
07-23-85	569	0.04	0.06	0.04	0.06	0.00	0.00	0.05	1.10	2.00	0.12
08-14-85	591	0.05	0.07	0.06	0.07	0.00	0.00	0.06	1.11	2.01	0.12
10-24-85	662	0.06	0.08	0.06	0.08	0.00	0.00	0.07	1.12	2.02	0.14
01-30-86	760	0.06	0.09	0.07	0.09	0.00	0.00	0.08	1.13	2.03	0.14
02-22-86	783	0.06	0.09	0.07	0.09	0.00	0.00	0.08	1.14	2.06	0.14
02-28-86	789	0.07	0.09	0.08	0.10	0.00	0.01	0.08	1.14	2.06	0.14
03-07-86	796	0.07	0.09	0.08	0.11	0.00	0.01	0.08	1.14	2.06	0.14
03-13-86	802	0.07	0.09	0.08	0.11	0.00	0.01	0.10	1.15	2.06	0.14
03-21-86	810	0.08	0.11	0.08	0.11	0.00	0.02	0.11	1.15	2.06	0.14
03-28-86	817	0.08	0.11	0.09	0.12	0.00	0.02	0.11	1.15	2.07	0.16
04-03-86	823	0.08	0.11	0.09	0.12	0.00	0.02	0.11	1.16	2.07	0.16
04-10-86	830	0.08	0.11	0.09	0.12	0.00	0.02	0.11	1.16	2.07	0.16
04-17-86	837	0.09	0.11	0.09	0.12	0.00	0.02	0.11	1.16	2.07	0.16
04-25-86	845	0.09	0.11	0.09	0.12	0.00	0.02	0.11	1.16	2.08	0.16
05-01-86	851	0.09	0.12	0.09	0.12	0.00	0.03	0.11	1.16	2.08	0.16
05-08-86	858	0.09	0.12	0.09	0.12	0.00	0.03	0.12	1.16	2.08	0.16
05-15-86	865	0.09	0.12	0.09	0.12	0.00	0.03	0.12	1.16	2.08	0.16
05-22-86	872	0.09	0.12	0.09	0.12	0.00	0.03	0.12	1.16	2.08	0.16
05-29-86	879	0.09	0.12	0.10	0.12	0.00	0.03	0.12	1.16	2.08	0.16
06-06-86	887	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.16
06-09-86	890	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.17
06-12-86	893	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.17
06-19-86	900	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.17
06-26-86	907	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.17
07-03-86	914	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.17
07-10-86	921	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.17
07-17-86	928	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.17
07-24-86	935	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.17
08-07-86	949	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.17
08-13-86	955	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.17
08-28-86	970	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.17
09-10-86	983	0.09	0.12	0.10	0.13	0.00	0.03	0.12	1.16	2.08	0.17
09-25-86	998	0.09	0.12	0.10	0.13	0.00	0.03	0.13	1.16	2.08	0.17
10-02-86	1005	0.09	0.12	0.10	0.13	0.01	0.03	0.13	1.16	2.08	0.17
10-23-86	1026	0.09	0.12	0.10	0.13	0.01	0.04	0.13	1.16	2.08	0.18
11-06-86	1040	0.09	0.12	0.10	0.13	0.01	0.04	0.13	1.16	2.08	0.18
11-20-86	1054	0.09	0.12	0.10	0.13	0.01	0.04	0.13	1.17	2.09	0.18
12-10-86	1074	0.09	0.13	0.11	0.13	0.01	0.04	0.13	1.18	2.10	0.18
12-30-86	1094	0.09	0.14	0.13	0.14	0.01	0.04	0.14	1.19	2.11	0.18
01-13-87	1108	0.10	0.15	0.14	0.14	0.01	0.04	0.14	1.20	2.12	0.18
01-26-87	1121	0.10	0.16	0.16	0.14	0.01	0.04	0.14	1.21	2.13	0.18
02-09-87	1135	0.10	0.17	0.17	0.15	0.01	0.04	0.14	1.22	2.14	0.18
03-09-87	1163	0.10	0.18	0.18	0.15	0.01	0.04	0.14	1.23	2.15	0.18
03-23-87	1177	0.10	0.20	0.20	0.16	0.01	0.04	0.14	1.25	2.17	0.18
04-07-87	1192	0.10	0.22	0.21	0.16	0.01	0.04	0.14	1.27	2.19	0.18

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Floride Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	0.10	0.23	0.22	0.17	0.01	0.04	0.14	1.28	2.20	0.18
04-24-87	1209	0.10	0.23	0.22	0.17	0.01	0.04	0.14	1.28	2.20	0.18
05-08-87	1223	0.10	0.24	0.22	0.17	0.01	0.04	0.14	1.28	2.21	0.18
05-27-87	1242	0.10	0.24	0.22	0.17	0.01	0.04	0.14	1.28	2.21	0.18
06-10-87	1256	0.10	0.25	0.24	0.18	0.01	0.04	0.14	1.31	2.23	0.18
06-24-87	1270	0.10	0.28	0.30	0.20	0.01	0.04	0.14	1.34	2.27	0.19
07-08-87	1284	0.11	0.32	0.39	0.24	0.01	0.04	0.14	1.38	2.32	0.19
07-22-87	1298	0.11	0.37	0.50	0.27	0.01	0.04	0.15	1.45	2.38	0.19
08-06-87	1313	0.11	0.44	0.62	0.33	0.01	0.04	0.16	1.52	2.46	0.19
08-19-87	1326	0.12	0.50	0.75	0.39	0.01	0.04	0.16	1.59	2.55	0.20
09-03-87	1341	0.12	0.56	0.85	0.44	0.01	0.04	0.17	1.66	2.61	0.25
09-08-87	1346	0.12	0.56	0.85	0.46	0.01	0.04	0.17	1.66	2.61	0.25
09-09-87	1347	0.12	0.56	0.85	0.46	0.01	0.04	0.17	1.66	2.61	0.26
09-17-87	1355	0.13	0.60	0.93	0.50	0.01	0.04	0.17	1.70	2.66	0.26
10-01-87	1369	0.13	0.64	0.99	0.53	0.01	0.04	0.18	1.73	2.70	0.26
10-17-87	1385	0.13	0.67	1.03	0.56	0.02	0.04	0.18	1.76	2.73	0.26
10-29-87	1397	0.14	0.68	1.06	0.57	0.02	0.04	0.19	1.77	2.74	0.26
11-18-87	1417	0.14	0.69	1.07	0.58	0.02	0.05	0.19	1.78	2.75	0.26
11-30-87	1429	0.14	0.70	1.07	0.58	0.02	0.05	0.19	1.78	2.75	0.26
12-18-87	1447	0.14	0.70	1.07	0.59	0.02	0.05	0.20	1.78	2.75	0.26
01-06-88	1466	0.15	0.70	1.07	0.59	0.02	0.05	0.20	1.79	2.75	0.26
01-20-88	1480	0.15	0.70	1.08	0.59	0.02	0.05	0.20	1.79	2.75	0.26
02-04-88	1495	0.15	0.70	1.08	0.59	0.02	0.05	0.20	1.79	2.75	0.26
02-17-88	1508	0.15	0.70	1.08	0.59	0.02	0.05	0.20	1.79	2.75	0.26
03-07-88	1527	0.15	0.70	1.08	0.59	0.03	0.05	0.20	1.79	2.75	0.26
03-08-88	1528	0.15	0.70	1.08	0.59	0.03	0.05	0.20	1.79	2.75	0.27
03-24-88	1544	0.15	0.70	1.08	0.59	0.03	0.06	0.21	1.79	2.75	0.27
04-07-88	1558	0.15	0.70	1.08	0.59	0.03	0.06	0.21	1.79	2.76	0.27
04-19-88	1570	0.15	0.70	1.08	0.59	0.03	0.06	0.21	1.79	2.76	0.27
05-04-88	1585	0.15	0.70	1.08	0.59	0.03	0.06	0.21	1.79	2.76	0.27
05-19-88	1600	0.16	0.71	1.08	0.59	0.03	0.06	0.21	1.79	2.77	0.27
06-02-88	1614	0.16	0.71	1.08	0.60	0.04	0.07	0.21	1.79	2.77	0.27
06-14-88	1626	0.16	0.71	1.08	0.60	0.04	0.07	0.21	1.79	2.78	0.28
06-29-88	1641	0.16	0.71	1.09	0.60	0.04	0.07	0.22	1.79	2.79	0.28
07-13-88	1655	0.16	0.71	1.09	0.60	0.04	0.07	0.22	1.79	2.80	0.28
07-27-88	1669	0.17	0.71	1.09	0.60	0.04	0.08	0.22	1.79	2.81	0.28
08-12-88	1685	0.17	0.72	1.09	0.60	0.05	0.08	0.22	1.79	2.82	0.28
08-26-88	1699	0.17	0.72	1.09	0.60	0.05	0.08	0.23	1.80	2.82	0.29
09-14-88	1718	0.17	0.72	1.10	0.61	0.05	0.08	0.23	1.80	2.83	0.29
10-06-88	1740	0.18	0.72	1.10	0.61	0.06	0.09	0.24	1.80	2.83	0.29
10-27-88	1761	0.18	0.73	1.10	0.61	0.06	0.09	0.24	1.80	2.84	0.30
11-11-88	1776	0.18	0.73	1.10	0.61	0.06	0.09	0.24	1.80	2.84	0.30
12-02-88	1797	0.19	0.73	1.11	0.61	0.06	0.09	0.24	1.81	2.84	0.30
12-19-88	1814	0.19	0.73	1.11	0.61	0.06	0.09	0.25	1.81	2.84	0.30
01-05-89	1831	0.19	0.73	1.11	0.61	0.06	0.10	0.25	1.81	2.84	0.30
01-24-89	1850	0.19	0.73	1.11	0.62	0.07	0.10	0.25	1.81	2.84	0.30
03-08-89	1893	0.19	0.73	1.11	0.62	0.07	0.10	0.25	1.81	2.84	0.30
03-22-89	1907	0.19	0.73	1.11	0.62	0.07	0.10	0.25	1.81	2.85	0.31
04-05-89	1921	0.20	0.74	1.11	0.62	0.08	0.11	0.26	1.81	2.85	0.31
04-20-89	1936	0.20	0.75	1.11	0.63	0.09	0.12	0.27	1.82	2.86	0.32
05-03-89	1949	0.21	0.76	1.12	0.64	0.10	0.13	0.27	1.84	2.88	0.33
05-19-89	1965	0.22	0.80	1.17	0.67	0.11	0.14	0.28	1.89	2.94	0.34
05-31-89	1977	0.22	0.84	1.22	0.70	0.11	0.14	0.29	1.93	3.00	0.34
06-15-89	1992	0.23	0.90	1.31	0.75	0.11	0.15	0.30	2.01	3.10	0.35
06-29-89	2006	0.23	0.96	1.40	0.81	0.12	0.15	0.31	2.09	3.20	0.36

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Floride Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	0.24	1.03	1.49	0.86	0.12	0.16	0.32	2.18	3.32	0.37
07-24-89	2031	0.24	1.11	1.61	0.93	0.13	0.17	0.32	2.28	3.45	0.38
08-14-89	2052	0.25	1.20	1.74	1.01	0.13	0.17	0.33	2.39	3.60	0.39
08-30-89	2068	0.25	1.25	1.83	1.06	0.14	0.18	0.34	2.46	3.69	0.39
09-13-89	2082	0.26	1.29	1.88	1.09	0.14	0.18	0.35	2.51	3.76	0.40
09-26-89	2095	0.26	1.31	1.91	1.11	0.15	0.19	0.35	2.54	3.80	0.40
11-08-89	2138	0.27	1.31	1.92	1.12	0.15	0.19	0.36	2.56	3.82	0.41
12-08-89	2168	0.27	1.34	1.95	1.13	0.16	0.20	0.36	2.58	3.84	0.41
01-05-90	2196	0.28	1.36	1.98	1.14	0.16	0.20	0.37	2.62	3.87	0.42
02-21-90	2243	0.29	1.41	2.04	1.15	0.17	0.21	0.37	2.68	3.92	0.42
03-09-90	2259	0.29	1.44	2.06	1.16	0.17	0.21	0.37	2.70	3.94	0.42
04-17-90	2298	0.29	1.45	2.08	1.17	0.17	0.21	0.38	2.72	3.96	0.43
05-31-90	2342	0.30	1.46	2.09	1.17	0.17	0.22	0.38	2.72	3.97	0.43
06-28-90	2370	0.30	1.46	2.09	1.17	0.17	0.22	0.38	2.73	3.97	0.43
10-04-90	2468	0.31	1.47	2.11	1.18	0.19	0.23	0.39	2.74	3.99	0.44
04-15-91	2661	0.32	1.48	2.13	1.19	0.20	0.24	0.41	2.76	4.00	0.45
06-14-91	2721	0.33	1.48	2.14	1.19	0.20	0.26	0.41	2.77	4.01	0.46
09-20-91	2819	0.34	1.50	2.16	1.20	0.23	0.28	0.43	2.79	4.03	0.47
12-02-91	2892	0.35	1.51	2.18	1.21	0.24	0.29	0.44	2.81	4.05	0.47
04-17-92	3029	0.38	1.53	2.23	1.23	0.27	0.32	0.48	2.85	4.09	0.47
08-13-92	3147	0.42	1.56	2.31	1.26	0.32	0.37	0.53	2.92	4.17	0.47
09-18-92	3183	0.44	1.57	2.32	1.27	0.33	0.38	0.55	2.93	4.19	0.47
12-15-92	3271	0.45	1.58	2.35	1.27	0.34	0.39	0.56	2.95	4.21	0.50

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Chloride Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00
11-16-84	320	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00
01-24-85	389	0.00	0.00	0.01	0.02	0.00	0.01	0.01	0.00	0.01	0.00
02-13-85	409	0.00	0.00	0.01	0.02	0.00	0.01	0.01	1.12	1.54	0.02
03-11-85	435	0.00	0.00	0.01	0.02	0.00	0.01	0.01	2.01	2.49	0.02
03-12-85	436	0.00	0.00	0.01	0.02	0.00	0.01	0.01	2.29	2.65	0.02
03-29-85	453	0.00	0.13	0.02	0.09	0.00	0.01	0.06	2.52	2.84	0.02
04-04-85	459	0.00	0.13	0.02	0.09	0.00	0.01	0.06	2.52	2.84	0.25
04-12-85	467	0.00	0.13	0.02	0.09	0.00	0.01	0.06	2.52	2.84	0.27
06-20-85	536	0.34	0.68	0.29	2.92	0.00	0.01	0.40	2.90	3.27	0.27
07-23-85	569	0.34	0.68	0.29	2.92	0.00	0.01	0.40	2.90	3.27	0.58
08-14-85	591	0.51	1.01	0.59	4.11	0.00	0.01	0.53	3.11	3.58	0.58
10-24-85	662	0.64	1.34	0.90	5.10	0.00	0.01	0.63	3.32	3.88	0.78
01-30-86	760	0.78	1.63	1.47	5.74	0.00	0.07	0.75	3.86	4.15	0.83
02-22-86	783	0.78	1.63	1.47	5.74	0.00	0.07	0.75	5.15	6.43	0.83
02-28-86	789	1.01	2.36	2.47	6.99	0.09	0.20	0.84	5.37	6.90	0.83
03-07-86	796	1.01	2.36	2.47	8.10	0.29	0.20	0.84	5.37	6.90	0.83
03-13-86	802	1.01	2.36	2.47	8.10	0.38	0.68	1.17	5.86	6.90	0.83
03-21-86	810	1.26	3.53	4.02	8.92	0.50	0.91	1.28	6.07	6.99	1.16
03-28-86	817	1.32	3.80	4.44	9.20	0.53	0.99	1.33	6.39	7.36	1.85
04-03-86	823	1.36	3.99	4.78	9.41	0.57	1.06	1.37	6.64	7.63	1.85
04-10-86	830	1.42	4.20	5.09	9.60	0.60	1.13	1.41	6.83	7.88	1.85
04-17-86	837	1.45	4.38	5.39	9.76	0.63	1.18	1.44	6.99	8.10	2.17
04-25-86	845	1.49	4.59	5.69	9.83	0.66	1.26	1.46	7.16	8.30	2.21
05-01-86	851	1.52	4.75	5.90	9.96	0.69	1.30	1.49	7.32	8.48	2.21
05-08-86	858	1.56	4.97	6.15	10.12	0.72	1.36	1.51	7.51	8.68	2.37
05-15-86	865	1.60	5.19	6.52	10.29	0.75	1.41	1.54	7.73	8.91	2.37
05-22-86	872	1.63	5.40	6.79	10.43	0.77	1.45	1.57	7.93	9.12	2.37
05-29-86	879	1.66	5.63	7.17	10.58	0.80	1.49	1.59	8.17	9.37	2.37
06-06-86	887	1.70	5.89	7.55	10.74	0.82	1.53	1.61	8.52	9.69	2.37
06-09-86	890	1.70	5.89	7.55	10.74	0.82	1.53	1.61	8.52	9.69	2.59
06-12-86	893	1.72	6.08	7.79	10.86	0.84	1.57	1.63	8.74	9.92	2.59
06-19-86	900	1.75	6.34	8.16	11.00	0.87	1.60	1.65	9.04	10.22	2.65
06-26-86	907	1.77	6.62	8.55	11.15	0.89	1.64	1.67	9.35	10.57	2.72
07-03-86	914	1.80	6.93	8.97	11.30	0.91	1.68	1.69	9.68	10.96	2.81
07-10-86	921	1.82	7.19	9.37	11.44	0.93	1.71	1.71	9.94	11.29	2.81
07-17-86	928	1.84	7.43	9.67	11.55	0.95	1.73	1.72	10.23	11.60	2.85
07-24-86	935	1.85	7.66	9.97	11.66	0.97	1.76	1.74	10.48	11.87	2.89
08-07-86	949	1.86	7.84	10.23	11.77	0.98	1.78	1.75	10.67	12.11	2.89
08-13-86	955	1.89	8.18	10.80	12.01	1.01	1.82	1.77	11.06	12.57	2.97
08-28-86	970	1.92	8.55	11.33	12.29	1.05	1.86	1.80	11.44	13.00	3.02
09-10-86	983	1.94	8.88	11.87	12.57	1.08	1.90	1.82	11.76	13.39	3.06
09-25-86	998	1.97	9.19	12.33	12.87	1.11	1.94	1.85	12.07	13.76	3.12
10-02-86	1005	1.99	9.42	12.75	13.09	1.13	1.97	1.87	12.32	14.00	3.15
10-23-86	1026	2.00	9.62	13.14	13.39	1.16	2.00	1.89	12.55	14.23	3.19
11-06-86	1040	2.01	9.81	13.38	13.57	1.18	2.01	1.91	12.74	14.43	3.25
11-20-86	1054	2.02	9.95	13.62	13.77	1.19	2.03	1.92	12.88	14.59	3.25
12-10-86	1074	2.03	10.12	13.86	13.98	1.21	2.05	1.94	13.04	14.78	3.25
12-30-86	1094	2.04	10.26	14.10	14.20	1.23	2.06	1.95	13.19	14.95	3.32
01-13-87	1108	2.05	10.36	14.19	14.31	1.23	2.07	1.96	13.28	15.04	3.32
01-26-87	1121	2.06	10.44	14.32	14.45	1.24	2.08	1.97	13.35	15.12	3.32
02-09-87	1135	2.06	10.51	14.40	14.57	1.25	2.09	1.98	13.42	15.20	3.32
03-09-87	1163	2.07	10.64	14.52	14.76	1.28	2.13	1.99	13.54	15.32	3.37
03-23-87	1177	2.08	10.85	14.71	14.99	1.33	2.18	2.00	13.73	15.52	3.37
04-07-87	1192	2.09	11.10	14.83	15.31	1.38	2.23	2.01	13.95	15.75	3.37

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Chloride Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	2.10	11.34	14.99	15.73	1.42	2.28	2.02	14.15	16.04	3.37
04-24-87	1209	2.10	11.34	14.99	15.73	1.42	2.28	2.02	14.15	16.04	3.47
05-08-87	1223	2.13	11.64	15.25	16.32	1.46	2.34	2.04	14.43	16.46	3.47
05-27-87	1242	2.15	11.99	15.69	17.15	1.51	2.40	2.05	14.60	16.88	3.60
06-10-87	1256	2.18	12.35	16.16	17.75	1.55	2.45	2.09	15.23	17.42	3.60
06-24-87	1270	2.21	12.70	16.80	18.28	1.58	2.50	2.12	15.65	17.94	3.80
07-08-87	1284	2.24	13.08	17.56	18.91	1.62	2.54	2.14	16.04	18.42	3.80
07-22-87	1298	2.26	13.46	18.29	19.29	1.66	2.58	2.17	16.47	18.88	3.86
08-06-87	1313	2.29	13.85	18.96	19.82	1.69	2.61	2.19	16.88	19.32	3.86
08-19-87	1326	2.30	14.18	19.55	20.25	1.72	2.64	2.20	17.23	19.72	4.06
09-03-87	1341	2.32	14.52	20.11	20.66	1.75	2.67	2.22	17.55	20.05	5.04
09-08-87	1346	2.32	14.52	20.11	20.82	1.75	2.67	2.22	17.55	20.05	5.04
09-09-87	1347	2.32	14.52	20.11	20.82	1.75	2.67	2.22	17.55	20.05	5.14
09-17-87	1355	2.34	14.86	20.58	21.25	1.78	2.69	2.24	17.76	20.28	5.14
10-01-87	1369	2.35	15.19	21.00	21.66	1.81	2.71	2.25	17.93	20.46	5.14
10-17-87	1385	2.37	15.54	21.42	22.09	1.85	2.73	2.26	18.06	20.61	5.14
10-29-87	1397	2.38	15.78	21.70	22.40	1.87	2.74	2.27	18.14	20.68	5.14
11-18-87	1417	2.40	16.15	22.08	22.88	1.90	2.75	2.29	18.20	20.74	5.14
11-30-87	1429	2.41	16.39	22.44	23.16	1.92	2.77	2.30	18.22	20.77	5.14
12-18-87	1447	2.42	16.58	22.68	23.38	1.94	2.78	2.30	18.27	20.83	5.14
01-06-88	1466	2.43	16.73	22.89	23.58	1.95	2.79	2.31	18.36	20.93	5.14
01-20-88	1480	2.43	16.84	23.09	23.74	1.96	2.79	2.32	18.42	20.99	5.14
02-04-88	1495	2.44	16.92	23.24	23.86	1.97	2.80	2.32	18.50	21.07	5.14
02-17-88	1508	2.44	16.99	23.38	23.96	1.98	2.81	2.33	18.59	21.16	5.43
03-07-88	1527	2.45	17.08	23.55	24.09	1.99	2.82	2.33	18.70	21.28	5.54
03-08-88	1528	2.45	17.08	23.55	24.09	1.99	2.82	2.33	18.70	21.28	5.58
03-24-88	1544	2.46	17.17	23.67	24.21	2.00	2.84	2.34	18.80	21.39	5.62
04-07-88	1558	2.46	17.26	23.78	24.32	2.01	2.86	2.34	18.89	21.48	5.68
04-19-88	1570	2.47	17.36	23.87	24.44	2.03	2.87	2.34	19.00	21.58	5.71
05-04-88	1585	2.48	17.51	23.99	24.64	2.05	2.89	2.35	19.15	21.73	5.74
05-19-88	1600	2.49	17.68	24.11	24.93	2.07	2.91	2.35	19.32	21.94	5.82
06-02-88	1614	2.50	17.87	24.29	25.21	2.08	2.93	2.36	19.51	22.22	5.90
06-14-88	1626	2.51	18.06	24.44	25.45	2.10	2.95	2.37	19.70	22.51	5.97
06-29-88	1641	2.53	18.28	24.69	25.77	2.12	2.96	2.37	19.95	22.86	6.06
07-13-88	1655	2.54	18.51	25.01	26.09	2.14	2.98	2.38	20.21	23.23	6.13
07-27-88	1669	2.56	18.76	25.39	26.42	2.17	3.00	2.39	20.47	23.59	6.23
08-12-88	1685	2.58	19.04	25.81	26.81	2.19	3.03	2.41	20.79	23.97	6.31
08-26-88	1699	2.59	19.27	26.18	27.15	2.22	3.05	2.42	21.05	24.28	6.49
09-14-88	1718	2.61	19.60	26.70	27.60	2.24	3.07	2.44	21.41	24.66	6.60
10-06-88	1740	2.63	19.93	27.20	28.06	2.27	3.10	2.45	21.79	25.13	6.73
10-27-88	1761	2.64	20.23	27.80	28.56	2.30	3.12	2.47	22.09	25.44	6.88
11-11-88	1776	2.65	20.42	28.05	28.78	2.31	3.13	2.48	22.28	25.65	6.93
12-02-88	1797	2.66	20.62	28.36	29.06	2.33	3.15	2.49	22.49	25.88	7.02
12-19-88	1814	2.68	20.77	28.59	29.25	2.34	3.16	2.49	22.67	26.09	7.07
01-05-89	1831	2.69	20.89	28.79	29.40	2.35	3.16	2.50	22.80	26.24	7.15
01-24-89	1850	2.70	21.01	28.99	29.57	2.37	3.17	2.51	22.94	26.37	7.17
03-08-89	1893	2.72	21.17	29.28	29.87	2.38	3.18	2.52	23.14	26.57	7.27
03-22-89	1907	2.72	21.24	29.38	30.04	2.39	3.20	2.52	23.22	26.80	7.42
04-05-89	1921	2.74	21.64	29.51	30.69	2.46	3.26	2.54	23.46	27.07	7.59
04-20-89	1936	2.77	22.08	29.84	31.41	2.52	3.31	2.58	24.02	27.36	7.85
05-03-89	1949	2.80	22.43	30.27	32.08	2.57	3.35	2.62	24.48	27.65	8.17
05-19-89	1965	2.83	22.81	30.96	32.70	2.61	3.39	2.66	25.01	28.06	8.35
05-31-89	1977	2.85	23.08	31.36	33.05	2.65	3.42	2.69	25.38	28.39	8.38
06-15-89	1992	2.87	23.40	31.95	33.46	2.67	3.45	2.71	25.84	28.83	8.60
06-29-89	2006	2.89	23.69	32.40	33.80	2.70	3.48	2.73	26.18	29.23	8.77

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Chloride Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	2.91	23.96	32.77	34.06	2.73	3.51	2.75	26.51	29.65	8.89
07-24-89	2031	2.93	24.23	33.20	34.33	2.76	3.54	2.77	26.84	30.09	8.99
08-14-89	2052	2.95	24.65	33.77	34.76	2.80	3.57	2.79	27.28	30.72	9.13
08-30-89	2068	2.97	24.95	34.29	35.10	2.83	3.60	2.81	27.64	31.17	9.24
09-13-89	2082	2.98	25.20	34.64	35.38	2.86	3.62	2.82	27.92	31.59	9.35
09-26-89	2095	2.99	25.42	35.00	35.64	2.88	3.64	2.83	28.20	31.89	9.44
11-08-89	2138	3.02	26.06	35.87	36.38	2.94	3.67	2.85	28.77	32.63	9.65
12-08-89	2168	3.05	26.39	36.37	36.77	2.97	3.70	2.87	29.11	33.05	9.79
01-05-90	2196	3.06	26.62	36.83	37.15	2.99	3.71	2.88	29.34	33.31	9.87
02-21-90	2243	3.09	26.92	37.23	37.49	3.03	3.74	2.89	29.60	33.61	9.99
03-09-90	2259	3.10	27.05	37.40	37.61	3.03	3.75	2.89	29.71	33.76	10.06
04-17-90	2298	3.12	27.26	37.69	37.84	3.05	3.76	2.90	29.93	34.00	10.17
05-31-90	2342	3.13	27.56	38.09	38.11	3.06	3.77	2.91	30.21	34.30	10.29
06-28-90	2370	3.15	27.77	38.38	38.29	3.08	3.78	2.92	30.42	34.54	10.38
10-04-90	2468	3.18	28.76	39.63	39.02	3.16	3.84	2.96	31.30	35.65	10.77
04-15-91	2661	3.30	30.01	41.27	39.94	3.22	3.88	3.01	32.45	36.96	11.33
06-14-91	2721	3.34	30.61	41.78	40.33	3.25	3.95	3.04	32.87	37.45	11.58
09-20-91	2819	3.44	32.39	43.48	41.74	3.40	4.07	3.13	34.18	39.13	12.42
12-02-91	2892	3.56	33.67	45.32	42.62	3.47	4.14	3.20	35.19	40.36	12.42
04-17-92	3029	3.75	40.58	64.87	47.52	3.81	4.35	3.36	37.61	44.59	12.42
08-13-92	3147	3.94	43.65	70.66	49.32	4.03	4.56	3.55	40.34	48.65	12.43
09-18-92	3183	4.21	45.20	71.49	49.66	4.08	4.60	3.76	40.89	49.49	12.48
12-15-92	3271	5.39	49.96	72.98	50.13	4.17	4.64	4.57	41.60	50.60	13.78

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Nitrite Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
11-16-84	320	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
01-24-85	389	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
02-13-85	409	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
03-11-85	435	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
03-12-85	436	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
03-29-85	453	0.00	0.00	0.00	0.00	0.00	0.03	0.18	0.00	0.00	0.00
04-04-85	459	0.00	0.00	0.00	0.00	0.00	0.03	0.18	0.00	0.00	0.00
04-12-85	467	0.00	0.00	0.00	0.00	0.00	0.03	0.18	0.00	0.00	0.00
06-20-85	536	0.02	0.00	0.00	0.35	0.00	0.03	0.26	0.08	0.12	0.00
07-23-85	569	0.02	0.00	0.00	0.35	0.00	0.03	0.26	0.08	0.12	0.00
08-14-85	591	0.02	0.00	0.00	0.49	0.00	0.04	0.28	0.11	0.17	0.00
10-24-85	662	0.03	0.00	0.00	0.58	0.00	0.04	0.30	0.13	0.20	0.00
01-30-86	760	0.03	0.00	0.00	0.62	0.00	0.09	0.31	0.14	0.21	0.00
02-22-86	783	0.03	0.00	0.00	0.62	0.00	0.09	0.31	0.17	0.26	0.00
02-28-86	789	0.03	0.00	0.00	0.68	0.00	0.16	0.31	0.17	0.27	0.00
03-07-86	796	0.03	0.00	0.00	0.73	0.00	0.16	0.31	0.17	0.27	0.00
03-13-86	802	0.03	0.00	0.00	0.73	0.00	0.35	0.33	0.18	0.27	0.00
03-21-86	810	0.03	0.00	0.00	0.76	0.00	0.43	0.33	0.18	0.27	0.00
03-28-86	817	0.03	0.00	0.00	0.77	0.00	0.45	0.33	0.18	0.28	0.00
04-03-86	823	0.03	0.00	0.00	0.77	0.00	0.46	0.33	0.18	0.28	0.00
04-10-86	830	0.03	0.00	0.00	0.77	0.00	0.47	0.33	0.19	0.28	0.00
04-17-86	837	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
04-25-86	845	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
05-01-86	851	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
05-08-86	858	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
05-15-86	865	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
05-22-86	872	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
05-29-86	879	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
06-06-86	887	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
06-09-86	890	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
06-12-86	893	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
06-19-86	900	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
06-26-86	907	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
07-03-86	914	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
07-10-86	921	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
07-17-86	928	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
07-24-86	935	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
08-07-86	949	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
08-13-86	955	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
08-28-86	970	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
09-10-86	983	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
09-25-86	998	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
10-02-86	1005	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
10-23-86	1026	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
11-06-86	1040	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
11-20-86	1054	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
12-10-86	1074	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
12-30-86	1094	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
01-13-87	1108	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
01-26-87	1121	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
02-09-87	1135	0.03	0.00	0.00	0.78	0.00	0.48	0.33	0.19	0.28	0.00
03-09-87	1163	0.03	0.00	0.01	0.78	0.00	0.48	0.33	0.19	0.28	0.00
03-23-87	1177	0.03	0.00	0.02	0.78	0.00	0.48	0.33	0.19	0.28	0.00
04-07-87	1192	0.03	0.00	0.03	0.78	0.00	0.48	0.33	0.19	0.28	0.00

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Nitrite Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	0.03	0.00	0.05	0.78	0.00	0.48	0.33	0.19	0.28	0.00
04-24-87	1209	0.03	0.00	0.05	0.78	0.00	0.48	0.33	0.19	0.28	0.00
05-08-87	1223	0.03	0.00	0.08	0.78	0.00	0.48	0.33	0.19	0.28	0.00
05-27-87	1242	0.03	0.00	0.16	0.78	0.00	0.48	0.33	0.19	0.28	0.00
06-10-87	1256	0.03	0.00	0.23	0.78	0.00	0.48	0.33	0.19	0.28	0.00
06-24-87	1270	0.03	0.00	0.31	0.78	0.00	0.48	0.33	0.19	0.28	0.00
07-08-87	1284	0.03	0.00	0.37	0.78	0.00	0.48	0.33	0.19	0.28	0.00
07-22-87	1298	0.03	0.00	0.41	0.78	0.00	0.48	0.33	0.19	0.28	0.00
08-06-87	1313	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
08-19-87	1326	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
09-03-87	1341	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
09-08-87	1346	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
09-09-87	1347	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
09-17-87	1355	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
10-01-87	1369	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
10-17-87	1385	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
10-29-87	1397	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
11-18-87	1417	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
11-30-87	1429	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
12-18-87	1447	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
01-06-88	1466	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
01-20-88	1480	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
02-04-88	1495	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
02-17-88	1508	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
03-07-88	1527	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
03-08-88	1528	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
03-24-88	1544	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
04-07-88	1558	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
04-19-88	1570	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
05-04-88	1585	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
05-19-88	1600	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
06-02-88	1614	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
06-14-88	1626	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
06-29-88	1641	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
07-13-88	1655	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
07-27-88	1669	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
08-12-88	1685	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
08-26-88	1699	0.03	0.00	0.42	0.78	0.00	0.48	0.33	0.19	0.28	0.00
09-14-88	1718	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
10-06-88	1740	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
10-27-88	1761	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
11-11-88	1776	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
12-02-88	1797	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
12-19-88	1814	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
01-05-89	1831	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
01-24-89	1850	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
03-08-89	1893	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
03-22-89	1907	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
04-05-89	1921	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
04-20-89	1936	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
05-03-89	1949	0.03	0.00	0.42	0.78	0.01	0.48	0.33	0.19	0.28	0.00
05-19-89	1965	0.03	0.02	0.42	0.78	0.02	0.48	0.33	0.19	0.28	0.00
05-31-89	1977	0.03	0.03	0.42	0.78	0.02	0.48	0.33	0.19	0.28	0.00
06-15-89	1992	0.03	0.05	0.42	0.78	0.02	0.48	0.33	0.19	0.28	0.00
06-29-89	2006	0.03	0.07	0.42	0.78	0.02	0.48	0.33	0.19	0.28	0.00

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Nitrite Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	0.03	0.10	0.42	0.78	0.02	0.48	0.33	0.19	0.28	0.00
07-24-89	2031	0.03	0.13	0.42	0.78	0.02	0.48	0.33	0.19	0.28	0.00
08-14-89	2052	0.03	0.17	0.42	0.78	0.02	0.48	0.33	0.19	0.28	0.00
08-30-89	2068	0.03	0.20	0.42	0.78	0.03	0.48	0.33	0.19	0.28	0.00
09-13-89	2082	0.03	0.23	0.42	0.78	0.03	0.48	0.33	0.19	0.28	0.00
09-26-89	2095	0.03	0.25	0.42	0.78	0.03	0.48	0.33	0.19	0.28	0.00
11-08-89	2138	0.03	0.31	0.42	0.78	0.03	0.48	0.33	0.19	0.28	0.00
12-08-89	2168	0.04	0.33	0.43	0.78	0.03	0.48	0.33	0.19	0.29	0.00
01-05-90	2196	0.04	0.34	0.44	0.79	0.03	0.48	0.33	0.20	0.29	0.01
02-21-90	2243	0.05	0.34	0.46	0.81	0.04	0.49	0.33	0.23	0.31	0.02
03-09-90	2259	0.06	0.34	0.46	0.81	0.05	0.49	0.33	0.23	0.31	0.02
04-17-90	2298	0.06	0.34	0.47	0.82	0.06	0.50	0.33	0.24	0.32	0.02
05-31-90	2342	0.06	0.34	0.47	0.82	0.08	0.50	0.33	0.24	0.32	0.02
06-28-90	2370	0.06	0.34	0.47	0.82	0.10	0.50	0.33	0.24	0.32	0.02
10-04-90	2468	0.06	0.34	0.47	0.82	0.21	0.50	0.33	0.24	0.32	0.02
04-15-91	2661	0.06	0.34	0.47	0.82	0.26	0.50	0.33	0.24	0.32	0.02
06-14-91	2721	0.06	0.34	0.47	0.82	0.27	0.50	0.33	0.24	0.32	0.02
09-20-91	2819	0.06	0.34	0.47	0.82	0.30	0.50	0.33	0.24	0.32	0.02
12-02-91	2892	0.06	0.34	0.47	0.82	0.30	0.50	0.33	0.24	0.32	0.02
04-17-92	3029	0.06	0.34	0.47	0.82	0.30	0.50	0.33	0.24	0.32	0.02
08-13-92	3147	0.06	0.34	0.47	0.82	0.30	0.50	0.33	0.24	0.32	0.02
09-18-92	3183	0.06	0.34	0.47	0.82	0.30	0.50	0.33	0.24	0.32	0.02
12-15-92	3271	0.06	0.34	0.47	0.82	0.30	0.50	0.33	0.24	0.32	0.02

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Nitrate Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-16-84	320	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01-24-85	389	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
02-13-85	409	0.0	0.0	0.0	0.0	0.0	0.1	0.0	11.0	16.1	0.4
03-11-85	435	0.0	0.0	0.0	0.0	0.0	0.1	0.0	20.8	28.0	0.4
03-12-85	436	0.0	0.0	0.0	0.0	0.0	0.1	0.0	23.9	30.0	0.4
03-29-85	453	0.0	2.2	0.2	0.1	0.0	0.1	1.6	26.7	32.7	0.4
04-04-85	459	0.0	2.2	0.2	0.1	0.0	0.1	1.6	26.7	32.7	4.5
04-12-85	467	0.0	2.2	0.2	0.1	0.0	0.1	1.6	26.7	32.7	4.8
06-20-85	536	12.4	12.5	5.3	6.1	0.0	0.1	13.9	29.8	36.1	4.8
07-23-85	569	12.4	12.5	5.3	6.1	0.0	0.1	13.9	29.8	36.1	6.8
08-14-85	591	18.1	17.0	8.0	8.6	0.0	0.1	18.2	31.0	37.7	6.8
10-24-85	662	22.0	19.7	9.3	10.4	0.0	0.1	21.1	31.7	38.7	7.6
01-30-86	760	24.5	20.8	10.4	11.4	0.0	0.4	23.1	32.7	39.1	7.7
02-22-86	783	24.5	20.8	10.4	11.4	0.0	0.4	23.1	34.5	41.7	7.7
02-28-86	789	28.1	22.9	11.8	13.0	0.5	1.1	24.4	34.8	42.2	7.7
03-07-86	796	28.1	22.9	11.8	14.4	1.4	1.1	24.4	34.8	42.2	7.7
03-13-86	802	28.1	22.9	11.8	14.4	1.8	3.6	28.6	35.4	42.2	7.7
03-21-86	810	31.4	25.4	13.6	15.4	2.4	4.8	29.8	35.6	42.2	8.1
03-28-86	817	32.1	26.0	14.0	15.7	2.6	5.2	30.3	36.0	42.5	8.8
04-03-86	823	32.5	26.3	14.4	15.9	2.7	5.5	30.7	36.2	42.7	8.8
04-10-86	830	33.1	26.6	14.7	16.1	2.9	5.8	31.0	36.4	42.9	8.8
04-17-86	837	33.4	26.9	14.9	16.3	3.0	6.1	31.2	36.5	43.0	9.1
04-25-86	845	33.7	27.1	15.1	16.3	3.2	6.5	31.4	36.7	43.1	9.1
05-01-86	851	34.1	27.3	15.3	16.5	3.4	6.8	31.6	36.8	43.2	9.1
05-08-86	858	34.6	27.6	15.4	16.7	3.7	7.3	31.9	36.9	43.2	9.3
05-15-86	865	35.3	27.9	15.6	16.9	4.1	7.9	32.2	37.0	43.3	9.3
05-22-86	872	36.0	28.2	15.8	17.1	4.5	8.5	32.6	37.0	43.3	9.3
05-29-86	879	36.7	28.5	16.0	17.4	5.0	9.2	32.9	37.1	43.4	9.3
06-06-86	887	37.8	29.0	16.2	17.7	5.6	10.0	33.5	37.2	43.4	9.3
06-09-86	890	37.8	29.0	16.2	17.7	5.6	10.0	33.5	37.2	43.4	9.7
06-12-86	893	38.5	29.2	16.3	18.0	6.1	10.7	33.8	37.2	43.5	9.7
06-19-86	900	39.5	29.7	16.5	18.3	6.7	11.6	34.3	37.3	43.5	9.9
06-26-86	907	40.6	30.1	16.6	18.7	7.3	12.6	34.9	37.3	43.5	10.1
07-03-86	914	41.7	30.6	16.8	19.1	8.1	13.6	35.4	37.3	43.5	10.3
07-10-86	921	42.8	31.0	17.0	19.4	8.8	14.6	35.9	37.3	43.5	10.3
07-17-86	928	43.8	31.5	17.1	19.7	9.4	15.4	36.4	37.3	43.6	10.4
07-24-86	935	44.8	31.8	17.2	20.1	10.1	16.4	36.9	37.3	43.6	10.6
08-07-86	949	45.3	32.2	17.3	20.4	10.5	17.1	37.3	37.4	43.6	10.6
08-13-86	955	46.9	32.8	17.5	20.9	11.7	18.7	38.1	37.5	43.7	10.8
08-28-86	970	48.5	33.4	17.8	21.4	12.9	20.2	38.9	37.7	43.9	10.9
09-10-86	983	50.0	34.1	18.0	21.9	14.0	21.6	39.7	37.9	44.1	10.9
09-25-86	998	51.3	34.7	18.3	22.4	15.1	22.9	40.5	38.1	44.4	11.0
10-02-86	1005	52.3	35.1	18.5	22.7	15.9	23.9	41.0	38.3	44.6	11.0
10-23-86	1026	53.3	35.5	18.8	23.0	16.9	25.0	41.6	38.6	44.9	11.1
11-06-86	1040	53.9	35.9	18.9	23.2	17.5	25.7	42.2	38.9	45.2	11.1
11-20-86	1054	54.4	36.3	19.1	23.4	18.1	26.3	42.6	39.1	45.4	11.1
12-10-86	1074	54.9	36.7	19.3	23.7	18.7	27.2	43.1	39.4	45.8	11.1
12-30-86	1094	55.6	37.1	19.6	24.0	19.3	28.0	43.6	39.7	46.1	11.2
01-13-87	1108	55.9	37.4	19.8	24.1	19.6	28.5	43.9	39.9	46.3	11.2
01-26-87	1121	56.3	37.7	20.0	24.3	20.0	29.0	44.2	40.1	46.5	11.2
02-09-87	1135	56.6	37.9	20.1	24.5	20.2	29.5	44.5	40.3	46.7	11.2
03-09-87	1163	57.2	38.4	20.3	24.8	21.4	32.2	45.1	40.6	47.0	11.3
03-23-87	1177	57.6	39.1	20.5	25.1	23.3	35.0	45.5	41.1	47.4	11.3
04-07-87	1192	58.0	40.0	20.7	25.5	25.1	37.6	45.9	41.6	48.0	11.3

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Nitrate Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	59.1	40.9	20.9	26.0	26.6	39.8	46.6	42.0	48.6	11.3
04-24-87	1209	59.1	40.9	20.9	26.0	26.6	39.8	46.6	42.0	48.6	11.5
05-08-87	1223	60.7	42.0	21.1	26.6	28.2	42.1	47.6	42.6	49.4	11.5
05-27-87	1242	62.9	43.3	21.5	27.5	30.0	44.3	48.1	42.9	50.3	11.9
06-10-87	1256	65.0	44.5	21.9	28.1	31.5	46.1	50.2	44.0	51.3	11.9
06-24-87	1270	67.0	45.6	22.4	28.6	32.9	47.7	51.7	44.7	52.2	12.4
07-08-87	1284	68.9	46.6	23.0	29.1	34.4	49.2	53.0	45.3	52.9	12.4
07-22-87	1298	70.7	47.5	23.5	29.4	35.9	50.6	54.2	45.8	53.6	12.6
08-06-87	1313	72.4	48.4	24.0	29.8	37.3	52.0	55.4	46.3	54.2	12.6
08-19-87	1326	73.7	49.0	24.3	30.0	38.6	53.1	56.4	46.6	54.6	13.1
09-03-87	1341	75.1	49.8	24.7	30.3	39.9	54.2	57.4	46.9	55.0	15.5
09-08-87	1346	75.1	49.8	24.7	30.4	39.9	54.2	57.4	46.9	55.0	15.5
09-09-87	1347	75.1	49.8	24.7	30.4	39.9	54.2	57.4	46.9	55.0	15.8
09-17-87	1355	76.3	50.5	25.0	30.7	41.4	55.2	58.3	47.2	55.3	15.8
10-01-87	1369	77.5	51.2	25.2	31.0	42.8	56.2	59.2	47.3	55.5	15.8
10-17-87	1385	78.8	52.0	25.5	31.3	44.4	57.1	60.1	47.4	55.7	15.8
10-29-87	1397	79.7	52.6	25.7	31.5	45.4	57.7	60.7	47.5	55.8	15.8
11-18-87	1417	81.1	53.5	25.9	31.9	47.1	58.6	61.6	47.6	55.9	15.8
11-30-87	1429	82.1	54.1	26.1	32.1	48.1	59.3	62.3	47.6	55.9	15.8
12-18-87	1447	82.9	54.6	26.3	32.3	48.7	60.0	62.7	47.6	55.9	15.8
01-06-88	1466	83.6	55.0	26.5	32.5	49.3	60.5	63.3	47.7	56.0	15.8
01-20-88	1480	84.2	55.2	26.7	32.8	49.8	60.9	63.6	47.7	56.0	15.8
02-04-88	1495	84.6	55.5	26.9	33.0	50.1	61.1	64.0	47.7	56.0	15.8
02-17-88	1508	84.9	55.7	27.1	33.2	50.4	61.4	64.2	47.7	56.0	16.7
03-07-88	1527	85.5	55.9	27.4	33.5	50.9	62.0	64.6	47.8	56.1	17.1
03-08-88	1528	85.5	55.9	27.4	33.5	50.9	62.0	64.6	47.8	56.1	17.3
03-24-88	1544	85.9	56.2	27.5	33.7	51.3	62.8	64.9	47.8	56.1	17.4
04-07-88	1558	86.3	56.4	27.7	34.0	51.9	63.6	65.1	47.8	56.1	17.6
04-19-88	1570	86.6	56.7	27.8	34.3	52.6	64.3	65.4	47.9	56.2	17.8
05-04-88	1585	87.2	57.1	28.0	34.7	53.5	65.2	65.7	48.0	56.3	17.9
05-19-88	1600	87.7	57.5	28.2	35.3	54.4	66.1	66.0	48.1	56.4	18.2
06-02-88	1614	88.5	58.0	28.4	35.8	55.3	67.0	66.5	48.3	56.6	18.5
06-14-88	1626	89.1	58.4	28.6	36.3	56.1	67.8	66.9	48.5	56.8	18.8
06-29-88	1641	90.0	58.9	28.9	36.9	57.2	68.8	67.4	48.7	57.1	19.2
07-13-88	1655	91.0	59.5	29.3	37.6	58.2	69.7	68.0	49.0	57.5	19.4
07-27-88	1669	92.0	60.1	29.8	38.2	59.2	70.7	68.6	49.3	57.9	19.8
08-12-88	1685	93.1	60.7	30.2	39.0	60.5	71.9	69.3	49.7	58.3	20.0
08-26-88	1699	94.1	61.3	30.7	39.6	61.6	72.8	69.9	50.1	58.7	20.6
09-14-88	1718	95.4	62.0	31.2	40.4	62.9	74.1	70.8	50.6	59.3	20.9
10-06-88	1740	96.6	62.7	31.7	41.3	64.3	75.4	71.6	51.2	60.0	21.2
10-27-88	1761	97.5	63.4	32.2	42.2	65.4	76.4	72.3	51.7	60.6	21.6
11-11-88	1776	98.3	63.8	32.5	42.6	66.0	77.1	72.7	52.0	61.0	21.7
12-02-88	1797	99.2	64.3	32.8	43.1	66.9	77.8	73.2	52.4	61.5	22.0
12-19-88	1814	99.9	64.7	33.0	43.5	67.5	78.4	73.6	52.8	61.9	22.2
01-05-89	1831	100.6	65.0	33.2	43.8	68.1	78.8	74.0	53.1	62.3	22.5
01-24-89	1850	101.3	65.3	33.3	44.1	68.6	79.3	74.3	53.4	62.6	22.6
03-08-89	1893	102.5	65.9	33.7	44.7	69.4	79.9	74.8	53.8	63.0	23.1
03-22-89	1907	102.9	66.1	33.8	45.0	69.7	80.8	75.1	54.0	63.6	23.9
04-05-89	1921	104.1	67.6	33.9	46.2	72.2	83.2	75.8	54.6	64.3	24.8
04-20-89	1936	106.6	69.4	34.4	47.5	74.4	85.1	77.4	55.9	65.0	26.2
05-03-89	1949	108.9	70.8	34.9	48.6	76.0	86.5	79.0	57.0	65.6	28.0
05-19-89	1965	111.2	72.2	35.6	49.6	77.6	88.1	80.7	57.9	66.2	29.1
05-31-89	1977	112.6	73.0	36.0	50.1	78.6	89.2	81.9	58.5	66.6	29.2
06-15-89	1992	114.2	73.8	36.4	50.6	79.6	90.4	83.3	59.0	66.9	30.5
06-29-89	2006	115.4	74.4	36.6	50.9	80.6	91.5	84.3	59.2	67.0	31.6

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Nitrate Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	116.4	74.9	36.7	51.2	81.7	92.6	85.3	59.4	67.1	32.3
07-24-89	2031	117.5	75.3	36.7	51.4	82.8	93.7	86.3	59.4	67.1	32.9
08-14-89	2052	119.0	76.0	36.7	51.6	84.4	95.4	87.8	59.4	67.1	33.7
08-30-89	2068	120.1	76.6	36.7	51.7	85.8	96.6	88.8	59.4	67.1	34.3
09-13-89	2082	121.0	77.1	36.7	51.8	87.0	97.7	89.7	59.4	67.1	34.8
09-26-89	2095	121.8	77.5	36.7	51.8	87.9	98.5	90.3	59.4	67.1	35.2
11-08-89	2138	124.0	79.0	36.7	51.9	90.9	100.6	91.9	59.4	67.1	36.0
12-08-89	2168	125.3	79.8	36.8	52.1	92.4	101.7	92.8	59.6	67.3	36.6
01-05-90	2196	126.1	80.4	37.0	52.4	93.5	102.5	93.4	59.8	67.7	36.9
02-21-90	2243	127.2	81.3	37.4	52.9	94.8	103.8	94.1	60.3	68.3	37.5
03-09-90	2259	127.7	81.8	37.5	53.1	95.2	104.1	94.4	60.6	68.7	37.9
04-17-90	2298	128.5	82.4	37.9	53.6	95.8	104.7	94.9	61.0	69.4	38.5
05-31-90	2342	129.5	83.5	38.6	54.2	96.6	105.5	95.6	61.8	70.6	39.1
06-28-90	2370	130.1	84.3	39.0	54.6	97.3	106.3	96.0	62.3	71.5	39.5
10-04-90	2468	131.6	87.7	40.6	56.1	101.7	109.8	98.4	64.0	74.7	41.6
04-15-91	2661	136.3	92.0	41.6	57.6	105.0	112.4	101.2	65.2	76.6	44.3
06-14-91	2721	137.4	94.0	41.8	58.2	106.2	116.0	102.4	65.6	77.2	45.6
09-20-91	2819	140.4	99.9	42.1	60.0	113.4	122.0	106.3	66.0	77.9	49.6
12-02-91	2892	143.8	104.2	42.1	61.0	116.8	125.2	109.4	66.0	77.9	49.6
04-17-92	3029	154.1	107.3	45.1	64.0	116.9	125.3	116.9	67.7	79.0	49.6
08-13-92	3147	164.9	112.4	47.7	66.7	125.5	134.8	127.3	68.0	80.1	49.7
09-18-92	3183	167.8	114.1	48.0	67.4	127.2	136.5	129.6	68.3	80.2	49.9
12-15-92	3271	172.2	117.6	48.0	69.0	129.9	138.5	132.8	69.3	80.2	56.1

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Ortho-Phosphate Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11-16-84	320	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-24-85	389	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02-13-85	409	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00
03-11-85	435	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00
03-12-85	436	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00
03-29-85	453	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00
04-04-85	459	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00
04-12-85	467	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00
06-20-85	536	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00
07-23-85	569	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.00	0.00
08-14-85	591	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00
10-24-85	662	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00
01-30-86	760	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00
02-22-86	783	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
02-28-86	789	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
03-07-86	796	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
03-13-86	802	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
03-21-86	810	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
03-28-86	817	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
04-03-86	823	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
04-10-86	830	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
04-17-86	837	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
04-25-86	845	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
05-01-86	851	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
05-08-86	858	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
05-15-86	865	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
05-22-86	872	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
05-29-86	879	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
06-06-86	887	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
06-09-86	890	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
06-12-86	893	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
06-19-86	900	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
06-26-86	907	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
07-03-86	914	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
07-10-86	921	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
07-17-86	928	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
07-24-86	935	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
08-07-86	949	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
08-13-86	955	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
08-28-86	970	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
09-10-86	983	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
09-25-86	998	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
10-02-86	1005	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
10-23-86	1026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
11-06-86	1040	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
11-20-86	1054	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
12-10-86	1074	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
12-30-86	1094	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
01-13-87	1108	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
01-26-87	1121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
02-09-87	1135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.00
03-09-87	1163	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.28	0.01	0.00
03-23-87	1177	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.30	0.02	0.00
04-07-87	1192	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.33	0.05	0.00

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Ortho-Phosphate Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.36	0.09	0.00
04-24-87	1209	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.36	0.09	0.00
05-08-87	1223	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.42	0.16	0.00
05-27-87	1242	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.47	0.26	0.00
06-10-87	1256	0.00	0.00	0.00	0.45	0.00	0.00	0.00	0.60	0.36	0.00
06-24-87	1270	0.00	0.00	0.00	0.59	0.00	0.00	0.00	0.67	0.44	0.00
07-08-87	1284	0.00	0.00	0.00	0.77	0.00	0.00	0.00	0.72	0.49	0.00
07-22-87	1298	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.75	0.53	0.00
08-06-87	1313	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.77	0.54	0.00
08-19-87	1326	0.00	0.00	0.00	1.30	0.00	0.00	0.00	0.77	0.54	0.00
09-03-87	1341	0.00	0.00	0.01	1.49	0.00	0.00	0.00	0.77	0.55	0.00
09-08-87	1346	0.00	0.00	0.01	1.56	0.00	0.00	0.00	0.77	0.55	0.00
09-09-87	1347	0.00	0.00	0.01	1.56	0.00	0.00	0.00	0.77	0.55	0.00
09-17-87	1355	0.00	0.00	0.02	1.76	0.00	0.00	0.00	0.77	0.55	0.00
10-01-87	1369	0.00	0.00	0.04	1.96	0.00	0.00	0.00	0.77	0.55	0.00
10-17-87	1385	0.00	0.00	0.06	2.17	0.00	0.00	0.00	0.77	0.55	0.00
10-29-87	1397	0.00	0.00	0.08	2.33	0.00	0.00	0.00	0.77	0.55	0.00
11-18-87	1417	0.00	0.00	0.11	2.58	0.00	0.00	0.00	0.78	0.56	0.00
11-30-87	1429	0.00	0.00	0.15	2.73	0.00	0.00	0.00	0.78	0.56	0.00
12-18-87	1447	0.00	0.00	0.20	2.85	0.00	0.00	0.00	0.78	0.56	0.00
01-06-88	1466	0.00	0.00	0.26	2.95	0.00	0.00	0.00	0.78	0.56	0.00
01-20-88	1480	0.00	0.00	0.33	3.04	0.00	0.00	0.00	0.78	0.57	0.00
02-04-88	1495	0.00	0.00	0.39	3.11	0.00	0.00	0.00	0.78	0.57	0.00
02-17-88	1508	0.00	0.00	0.46	3.16	0.00	0.00	0.00	0.78	0.57	0.00
03-07-88	1527	0.00	0.00	0.55	3.24	0.00	0.00	0.00	0.78	0.57	0.00
03-08-88	1528	0.00	0.00	0.55	3.24	0.00	0.00	0.00	0.78	0.57	0.00
03-24-88	1544	0.00	0.00	0.60	3.29	0.00	0.00	0.00	0.78	0.57	0.00
04-07-88	1558	0.00	0.00	0.64	3.33	0.00	0.00	0.00	0.78	0.57	0.00
04-19-88	1570	0.00	0.00	0.67	3.36	0.00	0.00	0.00	0.78	0.57	0.00
05-04-88	1585	0.00	0.00	0.70	3.40	0.00	0.00	0.00	0.78	0.57	0.00
05-19-88	1600	0.00	0.00	0.71	3.42	0.00	0.00	0.00	0.78	0.57	0.00
06-02-88	1614	0.00	0.00	0.71	3.42	0.00	0.00	0.00	0.78	0.57	0.00
06-14-88	1626	0.00	0.00	0.72	3.44	0.00	0.00	0.00	0.80	0.58	0.00
06-29-88	1641	0.00	0.00	0.77	3.49	0.00	0.00	0.00	0.84	0.62	0.00
07-13-88	1655	0.00	0.00	0.85	3.56	0.00	0.00	0.00	0.90	0.68	0.00
07-27-88	1669	0.00	0.00	0.98	3.66	0.00	0.00	0.00	0.98	0.76	0.00
08-12-88	1685	0.00	0.00	1.16	3.81	0.00	0.00	0.00	1.10	0.88	0.00
08-26-88	1699	0.00	0.00	1.35	3.97	0.00	0.00	0.00	1.22	0.99	0.00
09-14-88	1718	0.00	0.00	1.66	4.21	0.00	0.00	0.00	1.42	1.17	0.00
10-06-88	1740	0.00	0.00	2.01	4.51	0.00	0.00	0.00	1.68	1.44	0.00
10-27-88	1761	0.00	0.00	2.47	4.88	0.00	0.00	0.00	1.91	1.65	0.00
11-11-88	1776	0.00	0.01	2.66	5.04	0.00	0.00	0.00	2.05	1.80	0.00
12-02-88	1797	0.00	0.03	2.88	5.22	0.00	0.00	0.00	2.21	1.97	0.00
12-19-88	1814	0.00	0.06	3.03	5.34	0.00	0.00	0.00	2.34	2.14	0.00
01-05-89	1831	0.00	0.08	3.15	5.43	0.00	0.00	0.00	2.43	2.26	0.00
01-24-89	1850	0.00	0.12	3.27	5.52	0.00	0.00	0.00	2.53	2.37	0.00
03-08-89	1893	0.00	0.20	3.44	5.69	0.00	0.00	0.00	2.66	2.57	0.00
03-22-89	1907	0.00	0.23	3.50	5.80	0.00	0.00	0.00	2.72	2.83	0.00
04-05-89	1921	0.00	0.49	3.57	6.23	0.00	0.00	0.00	2.89	3.15	0.00
04-20-89	1936	0.00	0.85	3.77	6.73	0.00	0.00	0.00	3.27	3.55	0.00
05-03-89	1949	0.03	1.19	4.10	7.22	0.00	0.00	0.00	3.66	4.03	0.01
05-19-89	1965	0.12	1.64	4.88	7.71	0.01	0.00	0.00	4.28	4.85	0.02
05-31-89	1977	0.22	1.99	5.46	8.00	0.01	0.01	0.00	4.80	5.57	0.02
06-15-89	1992	0.37	2.45	6.54	8.38	0.02	0.02	0.00	5.61	6.63	0.05
06-29-89	2006	0.54	2.90	7.53	8.71	0.02	0.02	0.00	6.32	7.62	0.08

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Ortho-Phosphate Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	0.72	3.36	8.48	8.99	0.03	0.03	0.00	7.08	8.73	0.11
07-24-89	2031	0.95	3.83	9.77	9.30	0.05	0.04	0.00	7.93	9.93	0.14
08-14-89	2052	1.20	4.49	11.25	9.91	0.06	0.05	0.00	9.04	11.59	0.17
08-30-89	2068	1.36	4.91	12.45	10.44	0.07	0.06	0.00	9.92	12.70	0.19
09-13-89	2082	1.46	5.23	13.20	10.91	0.08	0.06	0.00	10.58	13.72	0.20
09-26-89	2095	1.53	5.47	13.87	11.38	0.08	0.07	0.01	11.21	14.41	0.21
11-08-89	2138	1.56	5.98	15.11	12.90	0.09	0.08	0.01	12.46	15.92	0.21
12-08-89	2168	1.57	6.26	15.80	13.58	0.09	0.08	0.01	13.13	16.78	0.21
01-05-90	2196	1.58	6.46	16.43	14.09	0.10	0.08	0.02	13.56	17.35	0.21
02-21-90	2243	1.58	6.74	16.98	14.32	0.10	0.08	0.02	14.01	18.00	0.21
03-09-90	2259	1.58	6.85	17.17	14.40	0.10	0.08	0.02	14.16	18.29	0.21
04-17-90	2298	1.58	6.94	17.34	14.47	0.10	0.08	0.02	14.32	18.52	0.21
05-31-90	2342	1.58	6.94	17.34	14.47	0.10	0.08	0.02	14.32	18.52	0.21
06-28-90	2370	1.58	6.94	17.35	14.47	0.10	0.08	0.02	14.33	18.52	0.21
10-04-90	2468	1.58	7.06	17.59	14.47	0.10	0.08	0.02	14.52	18.52	0.26
04-15-91	2661	1.58	7.43	18.32	14.47	0.10	0.08	0.02	15.18	18.52	0.41
06-14-91	2721	1.58	7.64	18.57	14.47	0.10	0.08	0.02	15.47	18.52	0.49
09-20-91	2819	1.58	8.39	19.63	14.47	0.10	0.08	0.02	16.59	18.52	0.83
12-02-91	2892	1.58	9.01	20.91	14.47	0.10	0.08	0.02	17.60	18.52	0.83
04-17-92	3029	1.58	11.48	24.11	16.54	0.10	0.08	0.02	19.54	21.15	0.83
08-13-92	3147	1.58	17.24	30.75	19.02	0.10	0.08	0.02	29.51	26.91	0.84
09-18-92	3183	1.58	18.77	32.06	19.44	0.10	0.08	0.02	31.57	28.71	0.87
12-15-92	3271	1.58	20.85	36.59	19.89	0.10	0.08	0.02	34.62	33.15	1.75

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Phosphate Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11-16-84	320	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-24-85	389	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02-13-85	409	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.00
03-11-85	435	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.01	0.00
03-12-85	436	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.00
03-29-85	453	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.00
04-04-85	459	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.02
04-12-85	467	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.02
06-20-85	536	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.02
07-23-85	569	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.01	0.02
08-14-85	591	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.02	0.02
10-24-85	662	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.10	0.03	0.03
01-30-86	760	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.10	0.05	0.03
02-22-86	783	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.10	0.23	0.03
02-28-86	789	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.10	0.27	0.03
03-07-86	796	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.10	0.27	0.03
03-13-86	802	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.10	0.27	0.03
03-21-86	810	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.10	0.28	0.03
03-28-86	817	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.10	0.31	0.03
04-03-86	823	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.10	0.33	0.03
04-10-86	830	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.10	0.35	0.03
04-17-86	837	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.10	0.37	0.03
04-25-86	845	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.10	0.39	0.03
05-01-86	851	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.10	0.41	0.03
05-08-86	858	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.11	0.43	0.03
05-15-86	865	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.11	0.45	0.03
05-22-86	872	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.11	0.47	0.03
05-29-86	879	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.11	0.50	0.03
06-06-86	887	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.12	0.53	0.03
06-09-86	890	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.12	0.53	0.03
06-12-86	893	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.12	0.56	0.03
06-19-86	900	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.13	0.59	0.03
06-26-86	907	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.13	0.63	0.03
07-03-86	914	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.14	0.68	0.03
07-10-86	921	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.14	0.72	0.03
07-17-86	928	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.15	0.75	0.03
07-24-86	935	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.15	0.78	0.03
08-07-86	949	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.16	0.81	0.03
08-13-86	955	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.16	0.86	0.03
08-28-86	970	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.17	0.89	0.03
09-10-86	983	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.17	0.92	0.03
09-25-86	998	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.17	0.95	0.03
10-02-86	1005	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.17	0.96	0.03
10-23-86	1026	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.17	0.97	0.03
11-06-86	1040	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.17	0.97	0.03
11-20-86	1054	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.17	0.98	0.03
12-10-86	1074	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.17	0.98	0.03
12-30-86	1094	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.17	0.98	0.05
01-13-87	1108	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.17	0.98	0.05
01-26-87	1121	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.17	0.98	0.05
02-09-87	1135	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.17	0.98	0.05
03-09-87	1163	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.18	0.99	0.08
03-23-87	1177	0.00	0.00	0.01	0.18	0.00	0.00	0.00	0.20	1.00	0.08
04-07-87	1192	0.00	0.00	0.02	0.20	0.00	0.00	0.00	0.22	1.01	0.08

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Phosphate Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	0.00	0.00	0.03	0.23	0.00	0.00	0.00	0.25	1.04	0.08
04-24-87	1209	0.00	0.00	0.03	0.23	0.00	0.00	0.00	0.25	1.04	0.15
05-08-87	1223	0.00	0.00	0.05	0.29	0.00	0.00	0.00	0.29	1.09	0.15
05-27-87	1242	0.00	0.00	0.10	0.37	0.00	0.00	0.00	0.33	1.15	0.25
06-10-87	1256	0.00	0.00	0.15	0.45	0.00	0.00	0.00	0.46	1.24	0.25
06-24-87	1270	0.00	0.01	0.23	0.53	0.00	0.00	0.00	0.53	1.33	0.36
07-08-87	1284	0.00	0.01	0.34	0.65	0.00	0.00	0.00	0.60	1.42	0.36
07-22-87	1298	0.00	0.02	0.45	0.73	0.00	0.00	0.00	0.66	1.52	0.38
08-06-87	1313	0.00	0.03	0.55	0.86	0.00	0.00	0.00	0.72	1.62	0.38
08-19-87	1326	0.00	0.04	0.65	0.99	0.00	0.00	0.00	0.76	1.71	0.38
09-03-87	1341	0.00	0.05	0.73	1.11	0.00	0.00	0.00	0.80	1.79	0.38
09-08-87	1346	0.00	0.05	0.73	1.16	0.00	0.00	0.00	0.80	1.79	0.38
09-09-87	1347	0.00	0.05	0.73	1.16	0.00	0.00	0.00	0.80	1.79	0.38
09-17-87	1355	0.00	0.07	0.80	1.30	0.00	0.00	0.00	0.84	1.85	0.38
10-01-87	1369	0.00	0.08	0.86	1.44	0.00	0.01	0.00	0.87	1.91	0.38
10-17-87	1385	0.00	0.10	0.92	1.59	0.00	0.01	0.00	0.91	1.96	0.38
10-29-87	1397	0.00	0.12	0.95	1.70	0.00	0.01	0.00	0.93	1.99	0.38
11-18-87	1417	0.00	0.14	0.99	1.89	0.01	0.01	0.01	0.96	2.03	0.38
11-30-87	1429	0.01	0.16	1.03	2.00	0.01	0.01	0.01	0.99	2.07	0.38
12-18-87	1447	0.01	0.17	1.05	2.08	0.01	0.01	0.01	1.01	2.09	0.38
01-06-88	1466	0.01	0.18	1.07	2.16	0.01	0.01	0.01	1.03	2.12	0.38
01-20-88	1480	0.01	0.19	1.09	2.21	0.01	0.01	0.01	1.05	2.13	0.38
02-04-88	1495	0.01	0.20	1.10	2.25	0.01	0.01	0.01	1.06	2.15	0.38
02-17-88	1508	0.01	0.20	1.11	2.28	0.01	0.01	0.01	1.07	2.16	0.38
03-07-88	1527	0.01	0.21	1.13	2.32	0.01	0.01	0.01	1.08	2.17	0.38
03-08-88	1528	0.01	0.21	1.13	2.32	0.01	0.01	0.01	1.08	2.17	0.39
03-24-88	1544	0.01	0.21	1.14	2.36	0.01	0.01	0.01	1.09	2.20	0.39
04-07-88	1558	0.01	0.22	1.14	2.40	0.01	0.02	0.01	1.11	2.22	0.39
04-19-88	1570	0.01	0.22	1.15	2.46	0.01	0.02	0.01	1.13	2.26	0.39
05-04-88	1585	0.01	0.23	1.16	2.56	0.01	0.02	0.01	1.17	2.32	0.39
05-19-88	1600	0.01	0.25	1.17	2.71	0.01	0.02	0.01	1.22	2.42	0.39
06-02-88	1614	0.01	0.26	1.19	2.88	0.01	0.02	0.01	1.28	2.57	0.39
06-14-88	1626	0.01	0.27	1.21	3.02	0.02	0.02	0.01	1.34	2.73	0.39
06-29-88	1641	0.01	0.29	1.25	3.21	0.02	0.02	0.02	1.42	2.91	0.39
07-13-88	1655	0.01	0.31	1.30	3.39	0.02	0.03	0.02	1.50	3.09	0.39
07-27-88	1669	0.02	0.33	1.36	3.58	0.02	0.03	0.02	1.59	3.26	0.40
08-12-88	1685	0.02	0.35	1.45	3.80	0.02	0.03	0.02	1.68	3.43	0.40
08-26-88	1699	0.02	0.37	1.53	3.99	0.02	0.03	0.02	1.76	3.57	0.40
09-14-88	1718	0.02	0.39	1.65	4.24	0.02	0.03	0.02	1.87	3.72	0.40
10-06-88	1740	0.02	0.42	1.78	4.49	0.03	0.04	0.02	1.98	3.89	0.41
10-27-88	1761	0.02	0.45	1.95	4.75	0.03	0.04	0.03	2.07	4.00	0.41
11-11-88	1776	0.02	0.46	2.02	4.87	0.03	0.04	0.03	2.12	4.07	0.41
12-02-88	1797	0.02	0.48	2.09	5.00	0.03	0.04	0.03	2.19	4.15	0.41
12-19-88	1814	0.02	0.49	2.15	5.08	0.03	0.04	0.03	2.24	4.23	0.41
01-05-89	1831	0.02	0.50	2.19	5.14	0.03	0.04	0.03	2.28	4.28	0.41
01-24-89	1850	0.02	0.50	2.23	5.20	0.03	0.04	0.03	2.32	4.33	0.42
03-08-89	1893	0.03	0.53	2.30	5.30	0.03	0.04	0.03	2.38	4.42	0.42
03-22-89	1907	0.03	0.54	2.33	5.36	0.03	0.05	0.03	2.41	4.53	0.42
04-05-89	1921	0.03	0.64	2.36	5.57	0.03	0.05	0.03	2.49	4.67	0.42
04-20-89	1936	0.03	0.79	2.45	5.80	0.03	0.05	0.03	2.67	4.83	0.42
05-03-89	1949	0.03	0.92	2.60	6.03	0.04	0.05	0.03	2.84	5.05	0.42
05-19-89	1965	0.03	1.07	2.96	6.29	0.04	0.05	0.03	3.11	5.48	0.42
05-31-89	1977	0.03	1.19	3.21	6.44	0.04	0.05	0.03	3.33	5.89	0.42
06-15-89	1992	0.03	1.32	3.69	6.66	0.04	0.05	0.03	3.66	6.52	0.42
06-29-89	2006	0.03	1.45	4.12	6.87	0.05	0.05	0.04	3.94	7.12	0.42

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Phosphate Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	0.03	1.57	4.53	7.05	0.05	0.06	0.04	4.24	7.81	0.42
07-24-89	2031	0.03	1.70	5.09	7.26	0.05	0.06	0.04	4.58	8.57	0.43
08-14-89	2052	0.03	1.88	5.73	7.61	0.06	0.06	0.04	5.00	9.57	0.43
08-30-89	2068	0.03	2.00	6.25	7.88	0.06	0.06	0.04	5.34	10.21	0.43
09-13-89	2082	0.03	2.10	6.58	8.11	0.06	0.07	0.04	5.59	10.77	0.43
09-26-89	2095	0.03	2.17	6.87	8.32	0.06	0.07	0.04	5.83	11.13	0.43
11-08-89	2138	0.03	2.37	7.40	8.94	0.06	0.07	0.04	6.28	11.77	0.43
12-08-89	2168	0.03	2.47	7.68	9.23	0.06	0.07	0.04	6.52	12.12	0.43
01-05-90	2196	0.03	2.54	7.92	9.49	0.07	0.07	0.05	6.68	12.34	0.43
02-21-90	2243	0.03	2.64	8.11	9.66	0.07	0.07	0.05	6.83	12.56	0.43
03-09-90	2259	0.03	2.68	8.18	9.72	0.07	0.07	0.05	6.89	12.67	0.43
04-17-90	2298	0.03	2.74	8.30	9.83	0.07	0.07	0.05	7.01	12.84	0.44
05-31-90	2342	0.03	2.82	8.44	9.97	0.07	0.07	0.05	7.16	13.07	0.44
06-28-90	2370	0.03	2.88	8.55	10.05	0.07	0.07	0.05	7.26	13.23	0.44
10-04-90	2468	0.03	3.07	9.08	10.36	0.08	0.07	0.05	7.61	13.83	0.47
04-15-91	2661	0.03	3.20	9.94	10.67	0.08	0.07	0.05	7.86	14.19	0.55
06-14-91	2721	0.03	3.24	10.22	10.79	0.08	0.07	0.05	7.93	14.29	0.59
09-20-91	2819	0.03	3.30	11.22	11.17	0.08	0.07	0.05	8.02	14.43	0.77
12-02-91	2892	0.03	3.30	12.36	11.37	0.08	0.07	0.05	8.02	14.43	0.77
04-17-92	3029	0.03	5.03	15.81	12.46	0.08	0.07	0.05	8.02	14.43	0.77
08-13-92	3147	0.03	8.13	20.17	14.04	0.08	0.07	0.05	11.94	14.43	0.77
09-18-92	3183	0.03	8.96	20.86	14.33	0.08	0.07	0.05	12.73	14.83	0.79
12-15-92	3271	0.03	10.15	22.45	14.71	0.08	0.07	0.05	13.86	16.68	1.22

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Sulfate Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0	0	0	0	0	0	0	0	0	0
11-16-84	320	0	0	0	0	0	0	0	0	0	0
01-24-85	389	0	0	0	0	0	0	0	0	0	0
02-13-85	409	0	0	0	0	0	0	0	33	29	0
03-11-85	435	0	0	0	0	0	0	0	58	42	0
03-12-85	436	0	0	0	0	0	0	0	65	45	0
03-29-85	453	0	1	0	1	0	0	1	71	47	0
04-04-85	459	0	1	0	1	0	0	1	71	47	4
04-12-85	467	0	1	0	1	0	0	1	71	47	4
06-20-85	536	5	7	4	19	0	0	7	82	55	4
07-23-85	569	5	7	4	19	0	0	7	82	55	10
08-14-85	591	7	14	16	30	0	0	10	90	67	10
10-24-85	662	9	26	32	44	0	0	11	100	85	14
01-30-86	760	10	40	67	60	0	1	13	131	104	15
02-22-86	783	10	40	67	60	0	1	13	206	270	15
02-28-86	789	13	78	128	97	1	1	14	219	305	15
03-07-86	796	13	78	128	131	3	1	14	219	305	15
03-13-86	802	13	78	128	131	4	5	18	248	305	15
03-21-86	810	16	139	224	159	5	6	20	260	311	23
03-28-86	817	16	153	250	169	5	7	20	280	339	39
04-03-86	823	17	163	272	177	5	7	21	295	360	39
04-10-86	830	17	175	292	184	6	8	21	306	379	39
04-17-86	837	18	184	310	191	6	8	22	316	397	46
04-25-86	845	18	196	329	194	6	9	22	327	412	47
05-01-86	851	18	205	343	200	6	9	22	337	427	47
05-08-86	858	19	219	360	207	7	9	23	351	444	51
05-15-86	865	19	233	387	214	7	10	23	368	464	51
05-22-86	872	19	247	407	220	7	10	23	385	483	51
05-29-86	879	20	263	435	227	7	10	23	405	506	51
06-06-86	887	20	282	464	234	8	11	24	436	536	51
06-09-86	890	20	282	464	234	8	11	24	436	536	57
06-12-86	893	20	296	483	239	8	11	24	455	558	57
06-19-86	900	20	315	512	246	8	11	24	482	588	59
06-26-86	907	21	336	544	252	8	11	24	511	622	61
07-03-86	914	21	360	578	259	9	12	25	542	661	63
07-10-86	921	21	381	611	265	9	12	25	568	694	63
07-17-86	928	21	400	636	270	9	12	25	596	725	64
07-24-86	935	21	418	661	275	9	12	25	620	753	65
08-07-86	949	22	433	684	281	9	12	25	640	777	65
08-13-86	955	22	461	734	294	9	13	26	679	823	68
08-28-86	970	22	493	782	310	10	13	26	718	866	69
09-10-86	983	22	522	831	328	10	13	26	752	905	70
09-25-86	998	23	550	875	348	10	14	26	785	941	72
10-02-86	1005	23	572	914	363	10	14	26	812	964	73
10-23-86	1026	23	592	953	384	11	14	27	838	988	74
11-06-86	1040	23	610	977	398	11	14	27	859	1006	76
11-20-86	1054	23	625	1001	412	11	14	27	876	1022	76
12-10-86	1074	23	643	1026	428	11	14	27	895	1042	76
12-30-86	1094	24	659	1050	444	11	15	27	912	1059	78
01-13-87	1108	24	669	1060	453	11	15	27	923	1069	78
01-26-87	1121	24	679	1074	463	12	15	27	932	1078	78
02-09-87	1135	24	687	1083	472	12	15	27	940	1087	78
03-09-87	1163	24	703	1096	486	12	15	28	957	1101	79
03-23-87	1177	24	727	1117	503	12	16	28	983	1124	79
04-07-87	1192	24	757	1130	527	13	16	28	1013	1152	79

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Sulfate Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	24	786	1147	560	13	17	28	1041	1188	79
04-24-87	1209	24	786	1147	560	13	17	28	1041	1188	81
05-08-87	1223	25	822	1177	605	14	17	28	1083	1241	81
05-27-87	1242	25	866	1226	670	14	18	28	1111	1297	85
06-10-87	1256	26	910	1281	717	14	18	29	1206	1367	85
06-24-87	1270	26	954	1359	760	15	18	30	1269	1434	90
07-08-87	1284	26	1001	1454	811	15	19	30	1325	1495	90
07-22-87	1298	27	1050	1549	842	15	19	30	1386	1553	92
08-06-87	1313	27	1101	1639	886	16	19	31	1442	1607	92
08-19-87	1326	27	1143	1720	923	16	20	31	1491	1655	97
09-03-87	1341	28	1188	1795	959	16	20	31	1541	1701	126
09-08-87	1346	28	1188	1795	973	16	20	31	1541	1701	126
09-09-87	1347	28	1188	1795	973	16	20	31	1541	1701	129
09-17-87	1355	28	1232	1858	1012	17	20	32	1582	1740	129
10-01-87	1369	28	1274	1914	1050	17	20	32	1620	1776	129
10-17-87	1385	28	1319	1968	1092	17	20	32	1661	1814	129
10-29-87	1397	29	1351	2004	1123	17	21	32	1690	1840	129
11-18-87	1417	29	1399	2052	1172	18	21	32	1733	1877	129
11-30-87	1429	29	1430	2097	1202	18	21	33	1770	1909	129
12-18-87	1447	29	1454	2127	1226	18	21	33	1797	1934	129
01-06-88	1466	29	1476	2153	1248	18	21	33	1826	1960	129
01-20-88	1480	29	1491	2179	1265	18	21	33	1843	1973	129
02-04-88	1495	30	1503	2198	1279	18	21	33	1860	1986	129
02-17-88	1508	30	1514	2216	1290	18	21	33	1876	1999	138
03-07-88	1527	30	1528	2239	1306	19	21	33	1894	2014	141
03-08-88	1528	30	1528	2239	1306	19	21	33	1894	2014	142
03-24-88	1544	30	1541	2255	1320	19	22	33	1909	2028	143
04-07-88	1558	30	1554	2269	1334	19	22	33	1924	2041	145
04-19-88	1570	30	1569	2281	1350	19	22	34	1940	2055	146
05-04-88	1585	30	1590	2296	1376	19	22	34	1964	2075	147
05-19-88	1600	30	1613	2313	1416	19	22	34	1990	2105	149
06-02-88	1614	31	1639	2335	1454	20	22	34	2019	2146	152
06-14-88	1626	31	1664	2355	1488	20	22	34	2048	2187	154
06-29-88	1641	31	1692	2386	1531	20	23	34	2087	2238	156
07-13-88	1655	31	1722	2426	1576	20	23	34	2128	2290	159
07-27-88	1669	32	1755	2472	1620	20	23	34	2169	2339	162
08-12-88	1685	32	1791	2524	1673	21	23	35	2218	2390	164
08-26-88	1699	32	1821	2569	1719	21	23	35	2259	2431	170
09-14-88	1718	33	1862	2632	1778	21	24	35	2315	2481	173
10-06-88	1740	33	1905	2692	1839	21	24	35	2375	2538	177
10-27-88	1761	33	1943	2763	1903	22	24	35	2421	2575	183
11-11-88	1776	33	1967	2794	1933	22	24	35	2452	2601	184
12-02-88	1797	33	1994	2832	1968	22	24	36	2485	2628	187
12-19-88	1814	34	2014	2860	1991	22	24	36	2513	2653	189
01-05-89	1831	34	2030	2887	2010	22	25	36	2534	2672	191
01-24-89	1850	34	2048	2913	2031	22	25	36	2557	2688	192
03-08-89	1893	34	2070	2949	2065	22	25	36	2586	2711	195
03-22-89	1907	34	2078	2962	2085	22	25	36	2598	2737	199
04-05-89	1921	34	2127	2977	2159	23	25	36	2631	2765	204
04-20-89	1936	35	2178	3017	2240	24	26	36	2706	2794	212
05-03-89	1949	35	2218	3069	2317	24	26	37	2768	2824	221
05-19-89	1965	36	2264	3156	2392	24	26	37	2843	2871	227
05-31-89	1977	36	2297	3207	2435	25	27	37	2895	2911	228
06-15-89	1992	36	2338	3286	2491	25	27	38	2964	2968	235
06-29-89	2006	37	2375	3348	2539	25	27	38	3017	3020	241

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Sulfate Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	37	2412	3401	2579	25	28	38	3069	3078	245
07-24-89	2031	37	2448	3464	2622	26	28	38	3123	3139	249
08-14-89	2052	37	2504	3542	2689	26	28	39	3191	3223	254
08-30-89	2068	38	2542	3610	2741	27	28	39	3244	3278	258
09-13-89	2082	38	2573	3654	2784	27	29	39	3284	3328	262
09-26-89	2095	38	2599	3696	2824	27	29	39	3321	3362	265
11-08-89	2138	38	2670	3789	2933	28	29	40	3391	3430	272
12-08-89	2168	39	2707	3841	2990	28	29	40	3432	3469	277
01-05-90	2196	39	2733	3889	3044	28	30	40	3461	3495	280
02-21-90	2243	39	2766	3931	3091	29	30	40	3497	3525	284
03-09-90	2259	39	2781	3947	3109	29	30	41	3511	3541	286
04-17-90	2298	39	2804	3976	3145	29	30	41	3540	3565	290
05-31-90	2342	40	2839	4014	3194	29	31	41	3574	3598	294
06-28-90	2370	40	2864	4042	3225	29	31	41	3600	3624	298
10-04-90	2468	40	2975	4160	3352	31	32	42	3705	3738	313
04-15-91	2661	41	3111	4316	3501	31	32	42	3833	3864	337
06-14-91	2721	41	3175	4364	3564	32	33	43	3879	3910	348
09-20-91	2819	41	3362	4525	3783	33	34	43	4016	4064	386
12-02-91	2892	42	3495	4700	3917	34	35	44	4119	4173	386
04-17-92	3029	44	3690	5003	4185	35	36	47	4291	4440	386
08-13-92	3147	46	3958	5367	4541	37	38	49	4544	4777	387
09-18-92	3183	46	4027	5422	4604	38	38	50	4593	4846	390
12-15-92	3271	47	4116	5536	4686	38	38	51	4653	4933	514

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Boron Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
10-26-84	299	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11-16-84	320	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-24-85	389	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02-13-85	409	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
03-11-85	435	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
03-12-85	436	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
03-29-85	453	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
04-04-85	459	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
04-12-85	467	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
06-20-85	536	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
07-23-85	569	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
08-14-85	591	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00
10-24-85	662	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.01	0.01	0.01
01-30-86	760	0.00	0.00	0.00	0.00	0.01	0.26	0.01	0.01	0.01	0.01
02-22-86	783	0.00	0.00	0.00	0.00	0.01	0.26	0.01	0.02	0.01	0.01
02-28-86	789	0.01	0.00	0.00	0.01	0.52	0.79	0.02	0.02	0.01	0.01
03-07-86	796	0.01	0.00	0.00	0.01	1.65	0.79	0.02	0.02	0.01	0.01
03-13-86	802	0.01	0.00	0.00	0.01	2.11	2.86	0.04	0.02	0.01	0.01
03-21-86	810	0.02	0.00	0.00	0.02	2.77	3.87	0.05	0.02	0.01	0.01
03-28-86	817	0.02	0.01	0.01	0.02	2.98	4.22	0.05	0.02	0.01	0.02
04-03-86	823	0.02	0.01	0.01	0.02	3.17	4.55	0.05	0.02	0.01	0.02
04-10-86	830	0.02	0.01	0.01	0.02	3.34	4.84	0.06	0.02	0.01	0.02
04-17-86	837	0.02	0.01	0.01	0.02	3.50	5.10	0.06	0.02	0.02	0.02
04-25-86	845	0.02	0.01	0.01	0.02	3.70	5.44	0.06	0.02	0.02	0.02
05-01-86	851	0.02	0.01	0.01	0.02	3.85	5.66	0.06	0.02	0.02	0.02
05-08-86	858	0.02	0.01	0.01	0.02	4.00	5.94	0.07	0.02	0.02	0.03
05-15-86	865	0.03	0.01	0.01	0.02	4.16	6.21	0.07	0.02	0.02	0.03
05-22-86	872	0.03	0.01	0.01	0.02	4.29	6.44	0.07	0.02	0.02	0.03
05-29-86	879	0.03	0.01	0.01	0.02	4.42	6.66	0.07	0.02	0.02	0.03
06-06-86	887	0.03	0.01	0.01	0.03	4.55	6.89	0.08	0.02	0.02	0.03
06-09-86	890	0.03	0.01	0.01	0.03	4.55	6.89	0.08	0.02	0.02	0.03
06-12-86	893	0.03	0.01	0.01	0.03	4.65	7.09	0.08	0.02	0.02	0.03
06-19-86	900	0.03	0.01	0.01	0.03	4.75	7.31	0.08	0.02	0.02	0.03
06-26-86	907	0.03	0.01	0.01	0.03	4.86	7.54	0.09	0.02	0.02	0.03
07-03-86	914	0.03	0.01	0.01	0.03	4.98	7.77	0.09	0.02	0.02	0.03
07-10-86	921	0.03	0.01	0.01	0.03	5.07	7.96	0.09	0.02	0.02	0.03
07-17-86	928	0.04	0.01	0.01	0.03	5.15	8.14	0.09	0.02	0.02	0.03
07-24-86	935	0.04	0.01	0.01	0.03	5.23	8.31	0.10	0.02	0.02	0.03
08-07-86	949	0.04	0.01	0.01	0.03	5.29	8.45	0.10	0.02	0.02	0.03
08-13-86	955	0.04	0.01	0.01	0.03	5.42	8.73	0.10	0.02	0.02	0.03
08-28-86	970	0.04	0.01	0.01	0.03	5.56	9.00	0.10	0.02	0.02	0.03
09-10-86	983	0.04	0.01	0.01	0.03	5.68	9.23	0.11	0.02	0.02	0.03
09-25-86	998	0.04	0.01	0.01	0.04	5.79	9.45	0.11	0.02	0.02	0.03
10-02-86	1005	0.04	0.01	0.01	0.04	5.87	9.62	0.11	0.02	0.02	0.03
10-23-86	1026	0.04	0.01	0.01	0.04	5.97	9.78	0.11	0.02	0.02	0.03
11-06-86	1040	0.04	0.01	0.01	0.04	6.03	9.89	0.11	0.02	0.02	0.03
11-20-86	1054	0.04	0.01	0.01	0.04	6.08	9.97	0.11	0.02	0.02	0.03
12-10-86	1074	0.04	0.01	0.01	0.04	6.14	10.05	0.12	0.02	0.02	0.03
12-30-86	1094	0.05	0.01	0.01	0.04	6.19	10.11	0.12	0.02	0.02	0.03
01-13-87	1108	0.05	0.01	0.01	0.04	6.21	10.14	0.12	0.02	0.02	0.03
01-26-87	1121	0.05	0.01	0.01	0.04	6.24	10.17	0.12	0.02	0.02	0.03
02-09-87	1135	0.05	0.01	0.01	0.04	6.26	10.19	0.12	0.02	0.02	0.03
03-09-87	1163	0.05	0.01	0.01	0.04	6.37	10.45	0.12	0.02	0.02	0.03
03-23-87	1177	0.05	0.01	0.01	0.04	6.57	10.82	0.12	0.02	0.02	0.03
04-07-87	1192	0.05	0.01	0.01	0.04	6.79	11.27	0.13	0.02	0.02	0.03

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Boron Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
04-21-87	1206	0.05	0.01	0.01	0.04	7.01	11.78	0.13	0.02	0.02	0.03
04-24-87	1209	0.05	0.01	0.01	0.04	7.01	11.78	0.13	0.02	0.02	0.03
05-08-87	1223	0.05	0.01	0.01	0.04	7.27	12.51	0.13	0.02	0.02	0.03
05-27-87	1242	0.05	0.01	0.02	0.04	7.62	13.55	0.14	0.02	0.02	0.03
06-10-87	1256	0.05	0.01	0.02	0.05	7.90	14.36	0.15	0.02	0.02	0.03
06-24-87	1270	0.05	0.01	0.02	0.05	8.13	15.06	0.16	0.02	0.02	0.03
07-08-87	1284	0.05	0.01	0.03	0.05	8.37	15.70	0.17	0.02	0.02	0.03
07-22-87	1298	0.06	0.01	0.03	0.06	8.58	16.29	0.18	0.02	0.02	0.03
08-06-87	1313	0.06	0.01	0.03	0.06	8.76	16.86	0.19	0.02	0.02	0.03
08-19-87	1326	0.06	0.01	0.03	0.07	8.93	17.28	0.20	0.03	0.02	0.03
09-03-87	1341	0.06	0.01	0.03	0.07	9.08	17.70	0.21	0.03	0.02	0.04
09-08-87	1346	0.06	0.01	0.03	0.08	9.08	17.70	0.21	0.03	0.02	0.04
09-09-87	1347	0.06	0.01	0.03	0.08	9.08	17.70	0.21	0.03	0.02	0.04
09-17-87	1355	0.06	0.01	0.03	0.08	9.25	18.04	0.21	0.03	0.02	0.04
10-01-87	1369	0.07	0.01	0.03	0.09	9.41	18.33	0.22	0.03	0.02	0.04
10-17-87	1385	0.07	0.01	0.03	0.10	9.58	18.60	0.23	0.03	0.02	0.04
10-29-87	1397	0.07	0.01	0.03	0.10	9.69	18.76	0.23	0.03	0.02	0.04
11-18-87	1417	0.07	0.02	0.03	0.11	9.86	18.97	0.24	0.03	0.02	0.04
11-30-87	1429	0.08	0.02	0.03	0.11	9.96	19.14	0.25	0.03	0.02	0.04
12-18-87	1447	0.08	0.02	0.03	0.11	10.02	19.29	0.25	0.03	0.02	0.04
01-06-88	1466	0.08	0.02	0.03	0.12	10.08	19.41	0.25	0.03	0.02	0.04
01-20-88	1480	0.08	0.02	0.03	0.12	10.13	19.49	0.25	0.03	0.02	0.04
02-04-88	1495	0.08	0.02	0.03	0.12	10.16	19.55	0.26	0.03	0.02	0.04
02-17-88	1508	0.08	0.02	0.03	0.12	10.19	19.61	0.26	0.03	0.02	0.04
03-07-88	1527	0.08	0.02	0.03	0.12	10.24	19.74	0.26	0.03	0.02	0.04
03-08-88	1528	0.08	0.02	0.03	0.12	10.24	19.74	0.26	0.03	0.02	0.04
03-24-88	1544	0.08	0.02	0.03	0.13	10.28	19.93	0.26	0.03	0.02	0.04
04-07-88	1558	0.08	0.02	0.03	0.13	10.34	20.14	0.26	0.03	0.02	0.04
04-19-88	1570	0.08	0.02	0.03	0.13	10.41	20.33	0.26	0.03	0.02	0.04
05-04-88	1585	0.08	0.02	0.03	0.13	10.50	20.60	0.27	0.03	0.02	0.04
05-19-88	1600	0.08	0.02	0.04	0.14	10.60	20.90	0.27	0.03	0.02	0.04
06-02-88	1614	0.09	0.02	0.04	0.14	10.70	21.21	0.27	0.03	0.02	0.04
06-14-88	1626	0.09	0.02	0.04	0.15	10.79	21.47	0.27	0.03	0.02	0.04
06-29-88	1641	0.09	0.02	0.04	0.16	10.91	21.78	0.28	0.03	0.02	0.04
07-13-88	1655	0.09	0.02	0.04	0.16	11.02	22.09	0.28	0.03	0.03	0.04
07-27-88	1669	0.09	0.02	0.04	0.17	11.15	22.38	0.29	0.03	0.03	0.04
08-12-88	1685	0.09	0.02	0.04	0.18	11.30	22.72	0.29	0.03	0.03	0.05
08-26-88	1699	0.09	0.02	0.04	0.19	11.44	22.99	0.30	0.04	0.03	0.05
09-14-88	1718	0.10	0.02	0.04	0.19	11.62	23.33	0.31	0.04	0.03	0.05
10-06-88	1740	0.10	0.02	0.04	0.20	11.81	23.65	0.31	0.04	0.03	0.05
10-27-88	1761	0.10	0.02	0.04	0.21	11.97	23.90	0.32	0.04	0.03	0.05
11-11-88	1776	0.10	0.02	0.04	0.22	12.05	24.04	0.33	0.04	0.03	0.05
12-02-88	1797	0.11	0.02	0.04	0.22	12.15	24.16	0.33	0.04	0.03	0.05
12-19-88	1814	0.11	0.02	0.04	0.23	12.23	24.24	0.34	0.04	0.03	0.05
01-05-89	1831	0.11	0.02	0.04	0.23	12.29	24.30	0.34	0.04	0.03	0.05
01-24-89	1850	0.11	0.02	0.04	0.23	12.34	24.34	0.34	0.04	0.03	0.05
03-08-89	1893	0.12	0.02	0.04	0.24	12.45	24.45	0.34	0.04	0.03	0.05
03-22-89	1907	0.12	0.02	0.04	0.24	12.49	24.68	0.35	0.04	0.03	0.05
04-05-89	1921	0.12	0.02	0.04	0.25	12.94	25.40	0.35	0.04	0.03	0.05
04-20-89	1936	0.14	0.02	0.04	0.26	13.41	26.19	0.37	0.04	0.03	0.05
05-03-89	1949	0.16	0.02	0.04	0.27	13.76	26.84	0.38	0.04	0.03	0.05
05-19-89	1965	0.17	0.02	0.04	0.28	14.10	27.59	0.40	0.04	0.03	0.05
05-31-89	1977	0.18	0.03	0.04	0.29	14.32	28.10	0.41	0.04	0.03	0.05
06-15-89	1992	0.20	0.03	0.04	0.30	14.51	28.72	0.43	0.04	0.04	0.05
06-29-89	2006	0.21	0.03	0.04	0.30	14.71	29.25	0.45	0.04	0.04	0.06

CUMULATIVE RELEASE OF NON-RADIOACTIVE ELEMENTS

Cumulative Boron Released (g)											
Date	Day	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
07-11-89	2018	0.22	0.03	0.04	0.31	14.91	29.77	0.46	0.04	0.04	0.06
07-24-89	2031	0.23	0.03	0.04	0.32	15.12	30.31	0.48	0.04	0.04	0.06
08-14-89	2052	0.24	0.03	0.04	0.33	15.40	31.08	0.50	0.04	0.04	0.06
08-30-89	2068	0.25	0.03	0.04	0.34	15.62	31.63	0.52	0.04	0.04	0.06
09-13-89	2082	0.26	0.03	0.04	0.35	15.80	32.07	0.53	0.04	0.04	0.06
09-26-89	2095	0.27	0.03	0.04	0.36	15.94	32.41	0.54	0.04	0.04	0.06
11-08-89	2138	0.28	0.03	0.04	0.39	16.36	33.21	0.57	0.04	0.04	0.06
12-08-89	2168	0.29	0.03	0.05	0.46	16.55	33.52	0.58	0.04	0.04	0.06
01-05-90	2196	0.29	0.03	0.05	0.59	16.69	33.64	0.59	0.04	0.04	0.06
02-21-90	2243	0.30	0.03	0.06	0.81	16.85	33.65	0.59	0.04	0.04	0.06
03-09-90	2259	0.30	0.03	0.06	0.88	16.90	33.66	0.59	0.04	0.04	0.06
04-17-90	2298	0.31	0.03	0.06	0.96	16.99	33.70	0.59	0.04	0.04	0.06
05-31-90	2342	0.32	0.03	0.06	0.96	17.14	33.81	0.60	0.04	0.04	0.06
06-28-90	2370	0.32	0.03	0.06	0.97	17.26	33.94	0.61	0.04	0.04	0.06
10-04-90	2468	0.34	0.03	0.06	0.98	18.09	34.52	0.65	0.04	0.05	0.06
04-15-91	2661	0.38	0.03	0.06	0.99	18.76	35.04	0.70	0.04	0.06	0.07
06-14-91	2721	0.39	0.03	0.06	0.99	19.02	35.78	0.72	0.04	0.06	0.07
09-20-91	2819	0.42	0.03	0.06	0.99	20.61	37.16	0.81	0.04	0.08	0.08
12-02-91	2892	0.44	0.03	0.06	0.99	21.39	37.94	0.88	0.04	0.10	0.08
04-17-92	3029	0.45	0.06	0.06	1.03	23.69	39.67	1.03	0.09	0.17	0.08
08-13-92	3147	0.54	0.14	0.06	1.13	26.26	42.14	1.26	0.23	0.35	0.08
09-18-92	3183	0.56	0.16	0.06	1.14	26.61	42.45	1.31	0.26	0.38	0.08
12-15-92	3271	0.59	0.21	0.06	1.14	26.61	42.45	1.39	0.32	0.42	0.10

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