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ISSAQUAH GROUND WATER MANAGEMENT PLAN
TASK 5: HYDROGEOLOGICAL REPORT

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ISSAQUAH GROUND WATER MANAGEMENT PLAN
TASK 5: HYDROGEOLOGICAL REPORT

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1.0 INTRODUCTION

Preparation of the Issaquah Ground Water Management Plan (IGWMP) was sponsored by a 50 percent grant from the Department of Ecology (Ecology), with matching funds provided by the major participating local water utilities, Sammamish Plateau Water and Sewer District (SPWSD), and the City of Issaquah (COI). The entire project was directed and administered by Seattle-King County Health Department (SKCHD).

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1.1 Background

This report describes the results of Task 5, Data Collection and Analysis. It presents all available data and information on the area's ground water resources. The report was prepared by a consulting team of Parametrix, Inc., Carr/Associates, Inc., and Pacific Groundwater Group. The participating utilities assisted with data collection, and SKCHD prepared the data base.

Previous reports published as part of this project included the Area Characterization Report (Tasks 2 and 3) in February, 1990 and the Data Collection and Analysis Plan (Task 4) in May, 1990. After review and approval of this report, the final IGWMP will be published (Task 7). The plan will include the area characterization, ground water

management issues, program goals and objectives, alternative ground water management strategies, a recommended program and implementation plan, and a process for periodic evaluation and revision.

During the course of this study, a Ground Water Advisory Committee (GWAC) composed of dedicated volunteer citizens has worked independently to develop strategies to preserve and protect the ground water resources. It is hoped that this report will provide the technical basis to refine these strategies and provide the needed protection.

The results of this study have provided some answers and produced new questions regarding the ground water resources of the Issaquah Creek valley. The needed additional data and analytical gaps are described herein and provide the basis for the proposed ongoing monitoring and supplemental professional analysis. Further monitoring, analysis, and evaluation are not possible under this project.

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1.2 Study Area

As shown in **Figure 2.4**, the 62 square-mile Issaquah Ground Water Management Area (IGWMA) consists of valleys, uplands, and mountains and lies within the natural drainage basins of Issaquah and Tibbetts Creeks. This study area was defined by delineating the surface water drainage basins of these two creeks.

2.0 HYDROLOGIC FINDINGS

This section estimates the quantity of ground water generated annually and describes the movement of ground water through the Issaquah Creek drainage basin. Data collected during this study indicate the total ground water discharge of the basin is about 25 cubic feet per second (cfs) or 16 million gallons per day (mgd). Because of the restriction to ground water flow at the Squak/Tiger Mountain Gap, the discharge to lower Issaquah valley could be about 50 percent of this total.

2.1 Water Budget

A water budget estimates the major components of the hydrologic cycle and indicates the approximate volumes of water that enter and exit a basin's hydrologic system through precipitation, evapotranspiration, runoff, ground water recharge, human consumption, and natural discharge.

This water budget estimates the relative magnitude of recharge, ground water use, and natural discharge in the Issaquah Creek drainage basin. This estimate provides a key component needed for management of the area's ground water resources but should not be used by itself as a tool for accurate, long-term management of ground water resources. The conservative analysis developed here indicates a significant portion of the ground water flow is unused and is discharging from the basin. Based on this analysis,

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considerable additional ground water withdrawals could be made without detectable impacts to the existing system. However, additional information in the form of water level, pumping, and long-term precipitation records is needed to calculate a definitive water budget. Effective ground water management is an interactive process which must continually update and incorporate new water budget data, water resource responses, water quality information, and hydrogeological findings.

2.2 Water Budget Methods, Assumptions, and Results

The water budget is based on the mass-balance principal: water going into the system is equal to the water flowing out of the system, accounting for changes in water storage within the system. This condition is true at all points of the system at all times, based on the principle of the conservation of mass. The amount of ground water in storage changes naturally with the seasons, with dry/wet year cycles, and with pumping for human use. This analysis assumes that long-term (multi-year) changes in the system are zero. The water budget represents an "average" year.

With the assumption that change in storage is zero (equilibrium conditions), the mass balance equation (Freeze and Cherry, 1979) becomes:

Inflow = Outflow + Change in Storage

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The water balance equation can be expressed in greater detail by Equation 1 below:

(1) $P = ET + SF + BF + GT + GD + dS$

where:

P	=	Precipitation
ET	=	Evapotranspiration
SF	=	Storm Runoff
BF	=	Baseflow
GF	=	Ground Water Basin Transfers
GD	=	Ground Water Discharge
dS	=	Change in Storage

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These water balance components are each discussed below.

Precipitation

Precipitation data are available for 18 local monitoring stations within or near the study area and for six regional monitoring stations. The local monitoring stations include four

Department of Natural Resources (DNR) sites, five King County Surface Water Management (SWM) sites, eight sites that were established through the IGWMA program, and King County's Cedar Hills Landfill station. The local monitoring stations are summarized in **Table 2.1**, and locations are shown on **Figure 2.1**. Data for these stations are presented in Appendix A. The regional monitoring stations include SeaTac Airport, Kent, Cedar Lake, Snoqualmie Falls, Sand Point, and Landsburg.

The Cedar Hills station has the longest period of record in the project area (1974 to present). The average annual precipitation at this station is 54.44 inches per year (in/yr). Because precipitation for 1988 was very close to the long-term average conditions (98 percent of normal), this period was selected to assess the distribution of average precipitation within the study area. Precipitation data were available for all local and regional stations during 1988 with the exception of the IGWMA monitoring stations established in 1989. Estimates of 1988 precipitation for IGWMA sites were derived by normalizing 1990 values by the ratio of 1988 to 1990 values available from other sites.

A contouring program (Surfer) was used to generate a precipitation isoheytal map showing lines of equal precipitation for the area. The results of this analysis are presented in **Figure 2.2**, along with the station locations and 1988 precipitation totals.

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Precipitation inflow was calculated by adding the amounts of precipitation in each precipitation interval. Based on this analysis, the total precipitation inflow for 1988 is 244.4 cfs. The adjusted precipitation inflow for a normal year is 249.4 cfs.

Evapotranspiration

Evapotranspiration (water evaporated from soil and transpired through plants) was estimated using the Blaney-Criddle method (USSCS, 1970). This method uses crop, latitude, and temperature to calculate potential evapotranspiration. A simple water balance within the soil based on rainfall and potential evapotranspiration was then used to relate potential to actual evapotranspiration. In this balance, actual evapotranspiration equals potential as long as precipitation is sufficient to keep the soil moist enough to provide plants with water. When the soil is drier, the actual rate is less than the potential rate.

For this analysis, the soil mass balance procedure has been computerized to calculate the actual evapotranspiration rate on a weekly basis. In this analysis, monthly data (rainfall and temperature) are distributed evenly over four "weeks" of the month.

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When precipitation was equal to or greater than potential evapotranspiration:

$$AET = PET$$

When precipitation was less than potential evapotranspiration:

$$AET = PET \quad \text{(when } SM/SMC >= 0.75\text{)}$$

or

$$AET = PET * 1.333 * (SM/SMC) \quad \text{(when } SM/SMC < 0.75\text{)}$$

Where:

AET = Actual evapotranspiration (in/yr)

PET = Potential evapotranspiration (in/yr), calculated by the Blaney-Criddle method

SM = Soil moisture content from the previous week (in)

SMC = Soil moisture holding capacity (in)

This linear function of the ratio of actual water content to soil moisture holding capacity is one of at least five methods used to relate actual to potential evapotranspiration reported in Dunne and Leopold (1978). The soil moisture holding capacity over the

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Why? project area varies and is not accurately known. This analysis assumes a soil moisture holding capacity of six inches. This value represents a loam soil with rooting depths on the order of three feet. based on what

The choice of values for representative "crop factors" is problematical. Much of the project site is vegetated by coniferous trees. The published crop factors for the method include many irrigated crops, but not coniferous trees. Possible values have been proposed by several workers in the field. These values are based on analyses conducted in eastern Washington and do not appear reasonable. Comparison with the literature indicated that crop factors for grass were greater than the proposed conifer crop factor. In order to be more conservative (i.e. tending toward underestimating recharge), the grass crop factor has been used in this analysis.

Based on the above stated methods and assumptions, the average calculated ET rate is 18.8 in/yr. Based on a total basin drainage area of 56.6 square miles, the total ET outflow from the system is 78.3 cfs.

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Storm Runoff and Baseflow

Historical stream flow data are available for 17 gaging stations within or near the study area. The gaging stations include four DNR sites, seven SWM sites, and six USGS sites.

The stream gaging stations are summarized in **Table 2.2**, and station locations are shown on **Figure 2.1**. Data for these stations are presented in Appendix A.

Storm runoff and baseflow quantities were evaluated using the stream gaging data for USGS Station 121216. This station is located near the mouth of Issaquah Creek just upstream from Lake Sammamish. All surface water runoff for the Issaquah Creek basin discharges through this point. The total drainage area above the gage is 56.6 square miles.

A 3-year hydrograph for Station 121216 is presented in **Figure 2.3**. Included on the hydrograph is the baseflow curve which reflects the ground water discharge input to the stream. Storm runoff is the difference between the total stream flow and the baseflow curves.

Average stream flow (total flow) from 1988 through 1990 was 115.2 cfs. Baseflow for this same period was 79 cfs, or about 69 percent of the total average stream flow. The average storm runoff during this period was 36.2 cfs, or about 31 percent of the total.

The average stream flow from 1988 through 1990 (115.2 cfs) was 82 percent of normal conditions (140.7 cfs). Therefore, the storm runoff and baseflow quantities were adjusted to reflect long-term average conditions. Assuming that the ratio of baseflow to total runoff

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remains constant over time, the normalized storm runoff and baseflow quantities are 42.9 cfs and 96.3 cfs, respectively.

Ground Water Basin Transfers

Imports of water to the IGWMA are not thoroughly identified or quantified. USGS stream records indicate that flow from 1.9 square miles of the upper Rock Creek watershed (Cedar River drainage) is diverted into Issaquah Creek. Basin discharge calculations already take this into account; however, Rock Creek's discharge is not separately quantified.

Some public water supply systems on the periphery of the IGWMA are importing relatively small quantities. King County Water District No. 90 serves a residential development near Lake McDonald with water purchased from the Seattle Water Department. The water originates in the Cedar River watershed. Export of ground water from the IGWMA basin is significant. The City of Issaquah, SPWSD, Darigold Dairy, and various small public supply systems use a supply entirely derived from ground water. After use for water supply purposes, most of this water becomes waste water and is pumped out of the IGWMA to Metro's Renton Sewage Treatment Plant. The remaining percentage is lost to consumption as evapotranspiration, runoff, or system leakage. Infiltration and inflow into the sewer systems within the City of Issaquah and SPWSD service areas also represent

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potential export losses. Another export is leachate collected at the Cedar Hills Landfill and sent to Metro's Renton Treatment Plant.

The most significant exports from the basin during 1988 can be summarized as follows in Table 2.1:

Table 2.1

1988 ESTIMATED IGWMA BASIN EXPORTS OF WATER		
Exporter	Form	Quantity (cfs)
City of Issaquah	Waste water	5.0 *
Darigold	Waste water	0.23
SPWSD	Water Supply	1.69
Cedar Hills Landfill	Leachate	0.6
Total		7.5

* Estimated, actual data not available

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Change in Storage

For a long-term water balance assessment, the change in basin storage is assumed to be zero. Analysis of relatively short-term water level trends indicates that water levels within the basin are relatively stable and that changes in storage are not significant relative to the water balance analysis.

Assume

this is too long?

Ground Water Discharge

Ground water discharge consists of the subsurface underflow that exits the Issaquah basin to Lake Sammamish. Ground water discharge from the basin represents the residual or unaccounted for portion of the water balance. The total ground water discharge from the basin (Equation 2), representing the unused or developable portion of the resource, can be calculated from Equation 1 as follows:

(2) $GD = P - ET - SF - BF - GD - dS$

or

$GD = 249.4 - 78.3 - 42.9 - 96.2 - 7.5 - 0$

Based on the above analysis, the calculated ground water discharge from the system (GD) is 24.5 cfs.

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2.3 Ground Water Movement

why?

A water table contour map was constructed using water level data from selected wells and USGS topographic maps. Figure 2.4 shows the general topography of the area and

wells used for constructing the water level contour map. **Figure 2.5** shows ground water levels, indicating how ground water moves from higher elevations toward the lower valleys and lowlands in the IGWMA.

Water levels from wells included in the IGWMA monthly monitoring program were plotted to view seasonal water level trends. **Figure 2.6** shows the monitoring wells included in the monitoring program, and **Figures 2.7A** through **2.7H** show the seasonal changes from these selected wells.

As indicated in **Figures 2.7A** through **2.7H**, high water levels occur during the months of February through May, while low water levels occur from September through December. Water levels fluctuate seasonally as much as 4 to 15 feet. Because high precipitation periods generally occur during the months of November through February, a time lag period of two to four months occurs for ground water recharge. The length of this lag period depends on the depth to ground water and the type of overlying sedimentary material.

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2.4 Ground Water Flow through the Gap

A narrow gap or valley known as the Squak/Tiger Mountain Gap is located in the south central part of the IGWMA between Squak Mountain and Tiger Mountain. In April of 1992, a resource protection well (RP-1) was installed near the Gap as part of this study. The

RP-1

purpose of this well was to determine the extent of ground water resources in this vicinity and the depth to bedrock. An aquifer encountered between depths of 27 to 42 feet yielded a transmissivity of 30,000 gallons per day per foot (gpd/ft), Carr/Associates, 1992. Bedrock was encountered at a depth of 63 feet below ground surface. $\frac{1}{2}$ mi x 63

As shown by the water level contours on Figure 2.5, the Gap appears to act as a restricting ground water conduit limiting, drainage from the southern portion of the IGWMA. To quantify the effect of the Gap on ground water movement, two calculations were performed. First, to determine the amount of ground water discharge available to flow through the Gap, a water balance was calculated for the area south of the Gap. Second, to determine how much water can potentially move through the Gap, its hydrogeological capacity was calculated using Darcy's Law. Results are discussed below.

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Available Discharge (Water Balance)

The ground water discharge from the upper basin (GDu) that is available to move through the Gap can be estimated from the relationship of:

$$GDu = P - ET - (SF + BF)$$

where upper basin values are:

P	=	14 cfs (precipitation)
ET	=	47 cfs (evapotranspiration)
(SF+BF)	=	87 cfs (stream outflow)
GDu	=	14 cfs (ground water discharge)

As shown, the ground water discharge of the basin upstream from the Gap is 14 cfs. This represents about 50 percent of the total discharge from the lower Issaquah Valley drainage basin (24.5 cfs) as calculated in Section 2.2.

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Discharge Capacity (Darcy's Law)

Darcy's Law was used to calculate the amount of possible ground water flow through the Gap, based on permeability (hydraulic conductivity), area, and gradient.

Q = K A dh/dx (Darcy's Law)

where values for the Gap are:

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K	=	400 ft/day (hydraulic conductivity estimated from Well RP-1)
A	=	36,000 sq. ft. (area = 480 ft. wide x 75 ft. deep)

dh/dx	=	0.01 (gradient)
Q	=	(400) (36,000) (0.1)
	=	144,000 ft^3/day
	=	**1.7 cfs** (capacity for ground water discharge)

This calculation indicates that the Gap's ground water discharge capacity is about 1.7 cfs of the 14 cfs of available discharge from the upper basin. These results indicate an order of magnitude difference between the available ground water and the amount that could move through the Gap. Possible explanations for these differences include:

- **Data used to calculate the water balance and hydraulic capacity were inaccurate.** The water balance calculation is as reliable as [or equivalent to] that done for the entire basin. The values used in Darcy's equation are conservative and probably overestimate underflow through the Gap. why not estimate diurnal flow Evapo. trxp.

- **Ground water exits via paths other than the Gap.** Additional investigations, including detailed stream monitoring of Issaquah Creek, are needed to evaluate the contribution of the upper basin to lower Issaquah Creek valley. If upper basin ground water actually flows toward the Cedar River basin, then estimates of the ground water discharge to Lake Sammamish could be reduced by 50 percent.

All this could be more focused — get more core samples to

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- Ground water discharge is forced to the surface at the Gap, flows through the Gap in Issaquah Creek, and reenters the ground downstream. Available data indicate ground water may also exit the Issaquah Creek basin via shallow valleys north and south of Cedar Hills Landfill. Figure 2.8, the depth to bedrock map, indicates possible locations for these ground water conduit valleys. Topographic, water levels, and depth to bedrock data suggest ground water may move to the Cedar River south of Cedar Hills Landfill. South of the landfill, the ground water gradient is very flat and the flow intermittent. Ground water may recharge deeper sediments and flow southwest toward the Cedar River. Further investigation of the valleys north and south of the Cedar Hills Landfill may be warranted to determine the amount of ground water leaving the IGWMA.

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3.0 HYDROSTRATIGRAPHY

This section describes the hydrostratigraphy of the IGWMA. This description includes:

- Characterization of the hydrostratigraphic units
- Cross-sections and explanations depicting the occurrence and extent of each unit
- Discussion of the hydrogeologic significance of each unit

Understanding the hydrostratigraphy is essential to evaluation and successful management of the area's ground water resources.

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3.1 Data Sources

Data for generating hydrostratigraphic cross sections were obtained from copies of Washington Department of Ecology well logs supplied by King County, well logs from Carr/Associates and other consultants' project files, and the IGWMA well log database file. The IGWMA database incorporates data from all these sources and includes files for water levels, well construction data, and lithologic logs. Most of the well logs were originally recorded by the well drillers. This information was entered into the database by SKCHD personnel as part of this project. Selected well logs are included in Appendix B. The locations of wells included in the database are shown in Figure 3.1

Selection process?

On **Figure 3.1**, each well is identified by a number (i.e. 10P02) indicating the section (10), quarter-quarter section (P), and sequential number of well in that quarter-quarter section (02).

3.2 Hydrostratigraphic Units

The lithologics described in the well logs were categorized into three hydrostratigraphic units. These units are described in **Table 3.1** and illustrated in cross-sections as **Figures 3.1** through **3.5**.

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TABLE 3.1

HYDROSTRATIGRAPHIC UNITS		
Unit	**Permeability**	**Description**
Bedrock	Low	Consolidated sedimentary and volcanic sediments including: sandstone, shale (sometimes with coal), andesite, and volcanic tuff. Can provide limited amounts of water to wells.
Aquitard	Low to Moderate	Unconsolidated interglacial sediments of clayey silt; ice contact and marginal deposits of very silty sand and gravel, including till.
Aquifer	Moderate to High	Unconsolidated deltaic and alluvial deposits of sand; sand and gravel; sand, gravel and cobbles. All relatively free of silt and clay.

3.3 Extent and Significance of Hydrostratigraphic Units

To illustrate the extent and significance of these hydrostratigraphic units, four hydrogeologic cross sections were generated from the well logs. The locations of these

four cross sections are illustrated on **Figure 3.1**. Cross section A-A' (**Figures 3.2A, 3.2B,** and **3.2C**) parallels the main stem of Issaquah Creek from Hobart north to Lake Sammamish. Cross section B-B' (**Figure 3.3**) begins in the Cedar Grove Valley, bisects the upland north of the Cedar Grove Valley, and then crosses Issaquah Creek to the foothills of Tiger Mountain. Cross section C-C' (**Figure 3.4**) begins in the Tibbetts Creek valley, crosses the lower Issaquah Valley through the City of Issaquah, climbs up the North Fork of Issaquah Creek through the gravel pit areas, and ends on the south flank of the Sammamish Plateau. Cross section D-D' (**Figures 3.5A and 3.5B**) begins in the Tibbetts Creek Valley, crosses the City of Issaquah, bisects the Lake Tradition Plateau, and follows the East Fork of Issaquah Creek toward the town of Preston.

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Cross Section A-A'

Cross Section A-A' is segmented into north, middle, and south illustrations (**Figures 3.2A, 3.2B,** and **3.2C**, respectively). The section shows dramatic changes in depth to bedrock along the main valley of Issaquah Creek.

Near the southern end of Lake Sammamish where the modern delta of Issaquah Creek is forming, the three northernmost Wells, 21E01, 21J01, and 21Q03, have the lowest ground surface elevations and exhibit flowing-artesian conditions (i.e. water levels above ground surface). Deep drilling at Wells 21Q03 and 28B03 showed the existence of

shallow aquifer zones and a deep silty-sand aquifer, separated by a considerable thickness of silt aquitard. The deepest well in the area is Test Well 28B03 which was bottomed in silt at a depth of 650 feet (590 feet below sea level).

Three aquifer zones of relatively high permeability were encountered by Wells 28A03, 28A06, 27E04, and 27M02. These include a shallow aquifer zone (depth less than 60 feet below ground surface), a middle aquifer zone (depth 80 to 170 feet), and a deep aquifer zone (depth 195 to 220 feet). The two deeper aquifer zones are utilized by production wells of the SPWSD and the City of Issaquah. The deeper sediments logged at Well 34F01, east of Issaquah High School, may be related to these sediments of the lower valley. At Well 27E04, bedrock was encountered at 301 feet, indicating a steep, sharp rise of bedrock at that location. Near IGWMA Monitoring Well RW-1 (10P02) and Well 15E05, located at the Squak/Tiger Mountain Gap, the deeper aquifer zones are truncated, and the shallow zone is relatively thin.

South of the Gap, the bedrock basement deepens and then rises sharply south of Hobart. Aquifers south of the Gap are generally less productive than the permeable deltaic sands and gravels in the lower valley. Lacustrine, silt, and clay aquitards are present both north and south of the Gap and, where present, impede the vertical migration of ground water.

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Cross Section B-B'

In cross section B-B' (**Figure 3.3**), Well 33C02, located in Cedar Grove Valley, shows a shallow sand and gravel aquifer. These sediments are probably related to the sand and gravel deposits mined at the gravel pit, located west of the IGWMA and east of the Cedar River. Well 28B01, located at King County's Cedar Hills Landfill, shows a thick sequence of low to medium permeability, glacial, till-like sediments overlying a sand and gravel aquifer, probably glacial outwash. This aquifer appears to be continuous across most of the Issaquah Creek valley in this area. A second, thinner and deeper sand and gravel aquifer is utilized by a few wells nearer the Issaquah Creek valley. Bedrock is present at shallow depths in wells on the steep flanks of West Tiger Mountain, east of the Issaquah Creek valley.

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Cross Section C-C'

Cross section C-C' is drawn southwest to northeast from Tibbetts Creek up the North Fork of Issaquah Creek. As shown in **Figure 3.4**, a series of deltaic sands and gravels was deposited from the North Fork of Issaquah Creek into ancestral Lake Sammamish. IGWMA Monitoring Well 27D05, installed by SPWSD as VT-1 (27D05), is located near Lakeside Industries' gravel pit and penetrates three distinct aquifer zones. At Well 27D05, a substantial layer of silt separates the middle and deep aquifer zones.

Sandstone bedrock rises steeply on both sides of the valley. The available data suggest two aquifer zones of relatively coarse-grained sediments are present in the North Fork valley. Sandstone bedrock is present near the surface on both sides of the North Fork valley, but no known wells reach bedrock near the center of the valley.

Cross Section D-D'

Cross section D-D' is segmented into two parts which follow an eastward path across the lower Issaquah Creek valley and up the East Fork of Issaquah Creek. As shown in Figures 3.5A and 3.5B, a shallow aquifer appears continuous from the Tibbetts Creek valley east across the lower Issaquah Creek valley. A deeper, more steeply dipping aquifer from deltaic deposits of the East and/or North Fork drainages is present at Wells 27M02 and 34F02. On the east side of the lower Issaquah Creek valley, a large deltaic wedge of sand and gravel forms the Lake Tradition Plateau at an elevation of approximately 480 feet. Lake Tradition apparently is perched on low-permeability sediments within the wedge. Further east, shallow bedrock (shale with some coal seams) is present in Wells 25P01, 25J01, and 32A02. The bedrock provides a limited amount of domestic water to a few wells. Toward Preston, in the eastern parts of the East Fork valley, the more productive wells are completed above bedrock in a thin, fairly permeable sand and gravel aquifer.

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3.4 Data Limitations

In the IGWMA, the quality and quantity of reliable data are extremely varied. Ground water resources of the lower Issaquah valley have been explored extensively and evaluated professionally in several projects. By contrast, very little ground water exploration or professional evaluation have occurred in upstream parts of the IGWMA other than at Cedar Hills Landfill. In the remaining buildable parts of the IGWMA, domestic wells drilled only as deep as necessary have been installed. As a result, little geologic data are available in areas where shallow aquifers are adequate (typically in the valleys), and geologic data are abundant where shallow aquifers are inadequate (typically in the foothills).

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Drillers' and geologists' descriptions of sedimentary units are subjective and produce inconsistencies in descriptions of similar units. For example, soft shale bedrock has been mistakenly identified as "silt" or "clay." The hydrostratigraphic units used in this report easily accommodate some of these potential problems. However, future, more detailed analysis should recognize the differences in nomenclature.

but not core logs

The locations of the majority of wells shown in the cross sections have been verified. However, wells may be mislocated by the incorrect entry of a quarter-quarter section, either by the driller or the person entering a log in the database. More than one third of the wells used in the cross sections have been accurately surveyed to provide locations

1/3 wells verified for locations

large error for gw

and elevations. For other wells, SKCHD personnel entered the estimated elevations and locations with the designated 40-acre quarter-quarter section. Consequently, some locations may not be accurate, and well elevations for non-surveyed wells may be inaccurate.

Cross sections illustrating hydrostratigraphy generally are not impaired by imprecise elevations as long as reasonable values are used. However, evaluation of ground water gradients based on inaccurate elevations is not appropriate. In addition, many of the test wells have different water levels for each zone of completion, and seasonal changes of more than 10 feet are not reflected by water levels measured only once when the well was completed.

Future analysis could benefit from greater detail of wellhead and surface water elevations. These data would help refine the surface/ground water relationships in various parts of the study area.

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4.0 WATER QUALITY RESULTS

Water quality data collected during the course of this study and available from earlier analyses indicate the ground water in the IGWMA basin is generally excellent. With few exceptions, the ground water meets all State of Washington, Department of Health standards for public drinking water supplies. What about 173-200

4.1 Data Sources and Methodology

Most of the water quality data used for this report were gathered as part of the IGWMA program. The water sampling and analysis effort involved three sampling periods in March, June, and December, 1990. Additional information was gathered from sampling data taken in and around the Cedar Hills Landfill site from 1987 through 1991. For this study, water samples were taken from 35 wells and analyzed for inorganic compounds, bacteria, volatile and semi-volatile organic compounds, pesticides, and PCBs. All are listed in Appendix C. Sampling and analytical methodology are described in the Data Collection and Analysis Plan (DCAP).

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4.2 Organic Compound Results

Of the 130 volatile and semi-volatile organic, pesticide, and PCB compounds analyzed, only two, acetone and methylene chloride, showed concentrations which were slightly

above detection limits. Reported concentrations near detection limits are difficult to interpret because such results can be influenced by other sources, such as laboratory or other errors. The analysis for organic contaminants indicated none were present. Data from other sources have shown the presence of hydrocarbon compounds in shallow ground water at some locations in lower Issaquah Creek valley (Geraghty & Miller, March 1991 and 1992; Applied Geotechnology, 1989; Rittenhouse-Zieman & Associates, 1990; EA Engineering, 1990; Kleinfelder, 1991). These contaminants are present as a result of spills and leaks which have occurred at local service stations. To date, no such compounds have been identified in production wells in the lower valley. The real potential for similar, future incidents mandates continued monitoring and analysis for volatile and semi-volatile organic compounds.

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4.3 Inorganic Compound Results

The inorganic analyses showed the presence of ions characteristic to Puget lowland ground water. These include inorganic compounds such as iron and manganese which can occur naturally in local ground water. Such metals are present in the soils and sediments of the basin and can be dissolved by contact with ground water. Key inorganic indicators have been evaluated during this testing period, as shown in **Figures 4.2** through 4.8.

The well site map, **Figure 4.1**, shows the well locations by number and owner in relationship to nearby streams.

The key indicators evaluated here include:

SD4S

Total Dissolved Solids	Sodium
Total Hardness	Nitrate
Calcium	Chloride
Magnesium	Arsenic

These parameters represent some of the important ions and indicators of dissolved constituents. Total dissolved solids, hardness, calcium, and magnesium are indicators of the amount of time ground water has been in contact with the sediments. Sodium also can be an indicator of residence time, salt water intrusion, or contamination by septic effluent. Nitrate and chloride can be indicators of effluent contamination. The toxic metal, arsenic, occurs in some similar settings in the Cascade foothills and merits evaluation in the IGWMA.

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4.4 Water Quality Influences

Water quality can be influenced by a number of factors including location, depth and character of the aquifer, recharge relationships with respect to residence time in the

subsurface, seasonal changes, and the local land use. These influences are analyzed below using the results from all three sampling periods for selected wells, as illustrated in **Figures 4.2** through **4.8**.

Location

no!

Ground water quality can be influenced by location in different drainage basins. In the IGWMA, location apparently has little influence on water quality, as illustrated by comparing analyses of three wells located in different drainages: the Greening well (**Figure 4.4**), located along the main stem of the Issaquah Valley; the Pommer well (**Figure 4.7**), located in the Tibbetts Creek valley; and the Preston Industrial Park well (**Figure 4.8**), located in the East Fork of Issaquah Creek.

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Comparison of the analyses for these wells indicates no significant water quality difference due to location in three different drainages. The water analyses from each of these wells show total dissolved solids, total hardness, calcium, and magnesium all in a comparable range of values for all three locations. Differences in chloride and nitrates at the three locations are believed to be from local influences not directly related to different drainages at different locations.

Ground water quality also can be influenced by the location relative to position in the drainage basin. However, comparison of water quality results from the Greening, Adams,

and Overdale wells located at successive down-stream locations on Issaquah Creek shows no clear significant difference in mineralization, as shown in **Figures 4.2, 4.4** and **4.6**.

Depth and Character of Aquifer

The available results indicate the depth and character of the aquifer directly influence ground water quality in Issaquah Creek basin. Water quality results from the wells completed in bedrock, such as the bedrock Agnew Well (**Figure 4.3**) and the Mitchell Well (**Figure 4.5**), show clear differences in water quality from wells completed in unconsolidated sediments. As shown, the Agnew Well has total dissolved solids with values almost two times higher and sodium values about ten times higher than those of the wells in unconsolidated aquifers. Water quality in the Mitchell Well, illustrated in **Figure 4.5**, shows arsenic values consistently above the Washington Department of Health maximum contaminant level (MCL) of 0.05 mg/L. Elevated concentrations of arsenic are associated with bedrock wells in similar settings of the western Cascade foothills. Thus, the reported arsenic probably occurs naturally. This well, however, is located near Cedar Hills Landfill, where elevated concentrations of various metals have been reported in local ground water.

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Recharge and Residence Time

The higher concentrations of total dissolved solids in the bedrock aquifer described above are apparently related to the residence time of ground water in the subsurface. Similarly, any increase in total dissolved solids or hardness at successive downgradient points in the aquifer could demonstrate the influence of increased residence time. Comparison of water quality based on the depth of wells completed in unconsolidated aquifers shows no clear trend. Either the residence time of the ground water is not revealed by the indicator parameters or the variability of local recharge conditions obscures these potential relationships.

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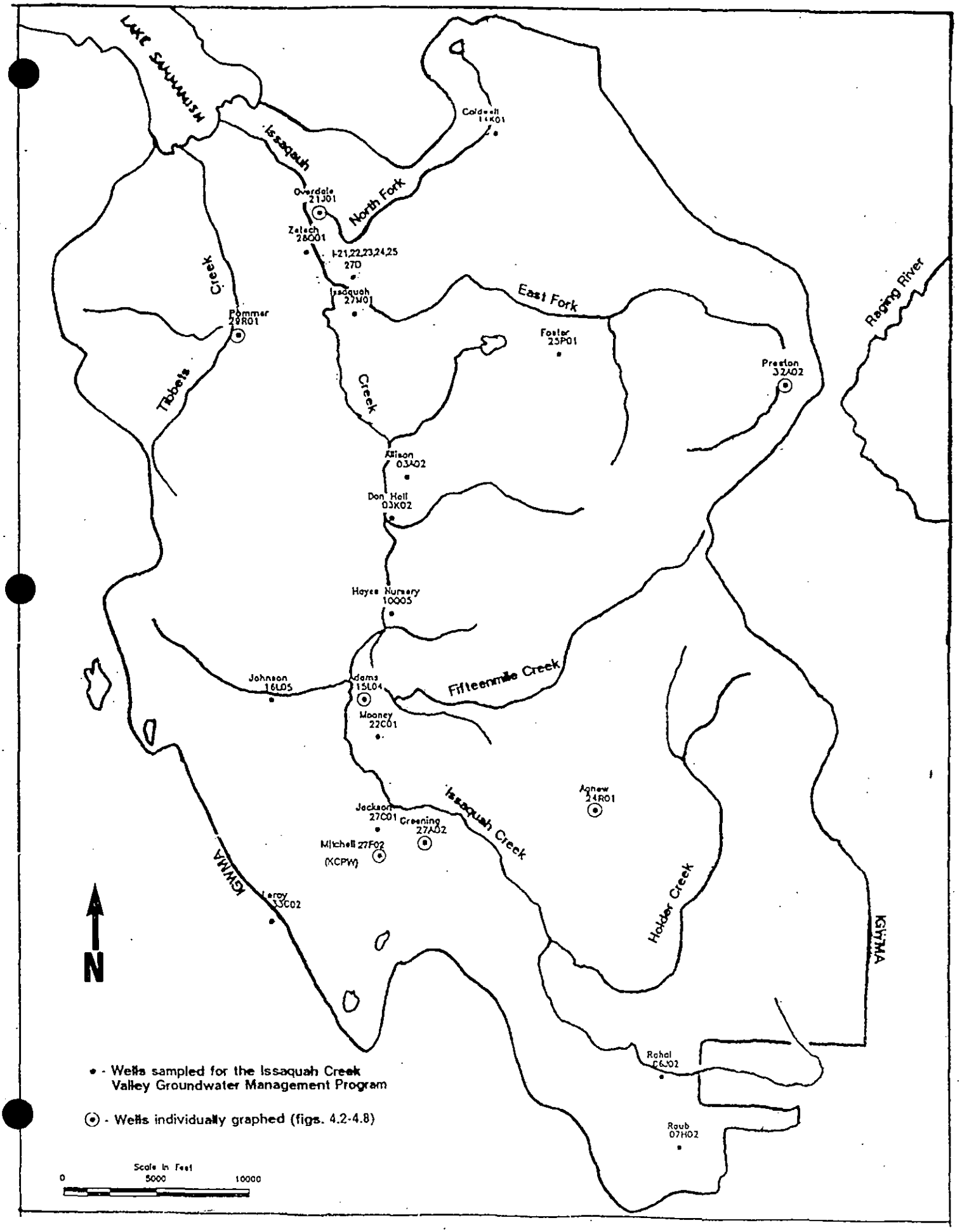
Recharge and Seasonal Changes

Variation of water quality over time also can indicate trends and suggest recharge relationships. The Adams, Greening, and Preston Industrial Park wells all show similar patterns of the highest total dissolved solids values in the June, 1990 sampling. This seasonal change could be related to greater recharge with less mineralized water during the March and December, 1990 samplings. The Overdale and Pommer Wells (**Figures 4.6** and **4.7**) show increased total dissolved solids during each sampling period, suggesting a different pattern of recharge than in the three previously described wells in unconsolidated aquifers.

FIGURE 4.1



LAKE SAMMAMISH
Issaquah
North Fork
Coldwell 14K01
Overdale 21J01
Zetech 28Q01
I-21,22,23,24,25 27D
Issaquah 27M01
East Fork
Raging River
Creek
Pommer 29R01
Tibbets
Foster 25P01
Preston 32A02
Creek
Allison 03A02
Don Hall 03K02
Hayes Nursery 10Q05
Johnson 16L05
Adams 15L04
Fifteenmile Creek
Mooney 22C01
Agnew 24R01
Jackson 27C01
Greening 27A02
Issaquah Creek
Mitchell 27F02 (KCPW)
KGWMA
Leroy 33C02
Holder Creek
KGWMA
N
Rahal C6J02
Raub 07H02
• - Wells sampled for the Issaquah Creek Valley Groundwater Management Program
⊙ - Wells individually graphed (figs. 4.2-4.8)
Scale in Feet
0
5000
10000

Seasonal water level changes often parallel water quality changes. Here, those wells with noticeable changes in water chemistry correlate closely to those with the greatest water level fluctuations, as illustrated in Figures 2.7A through 2.7H.

Land Use Factors

In the IGWMA, local land use can influence water quality. Slightly elevated concentrations of nitrate and chloride in the Greening Well (Figure 4.4) may be related to septic tank effluent or runoff from livestock pens. As shown in Appendix C, similarly elevated concentrations of nitrate appear in several other sampled wells including: Leroy, 23N/6E-33; Jackson, 23N/6E-27C01; Hall, 23N/6E-03K02; Zetec, 24N/6E-28F02; and others.

In each case, elevated values of nitrate were reported in the March and December, 1990 samplings, but not in the June, 1990 sampling. This suggests that winter conditions allow local nitrates to infiltrate the aquifer while summer conditions arrest infiltration.

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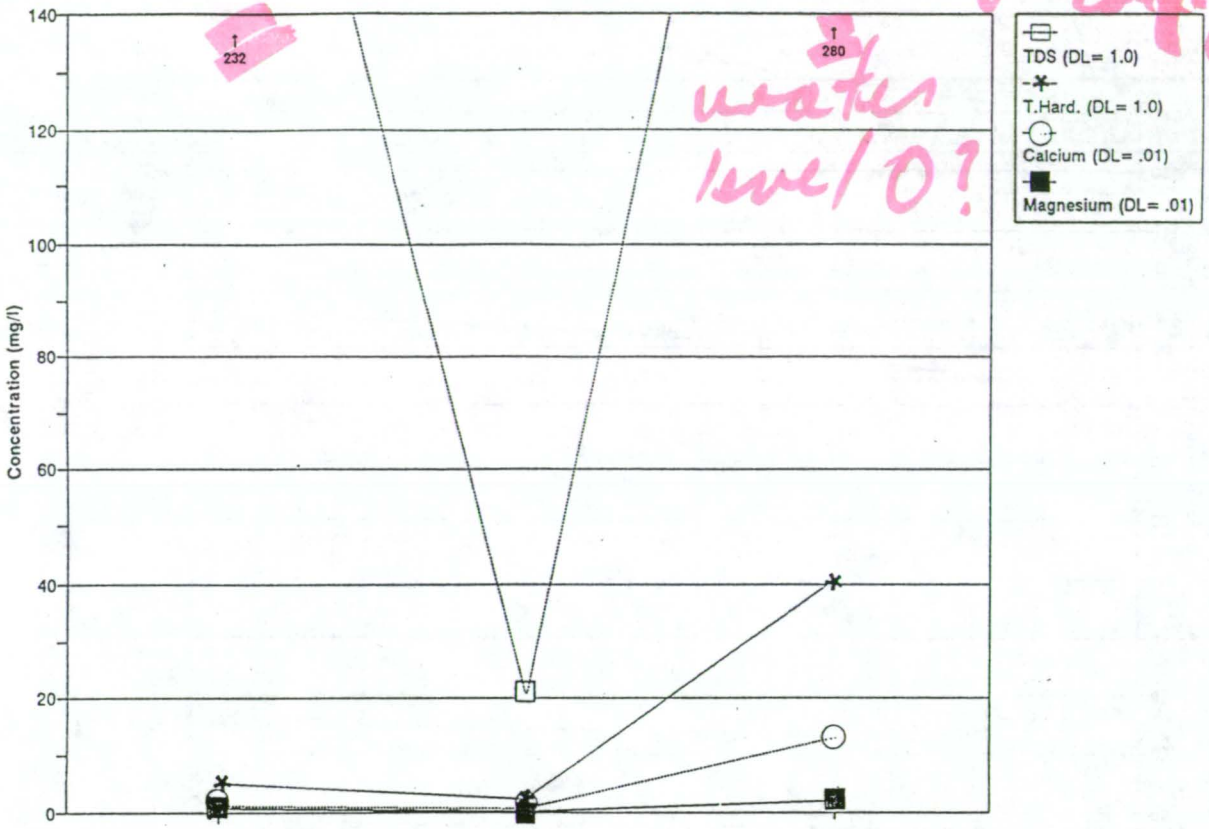
FIGURE 4.3

Agnew Well
23/06E-24R01

core log? OK
config of screen int. 70'

water level 0?



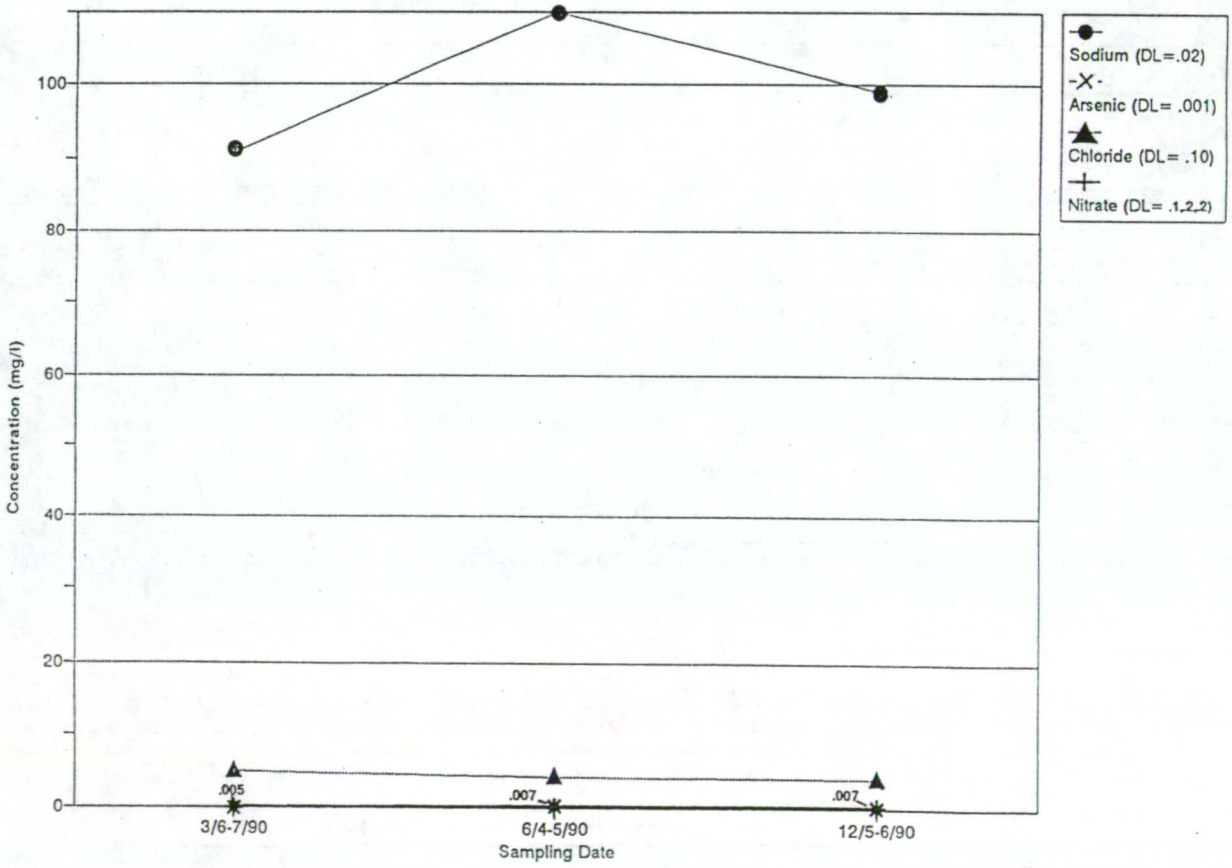
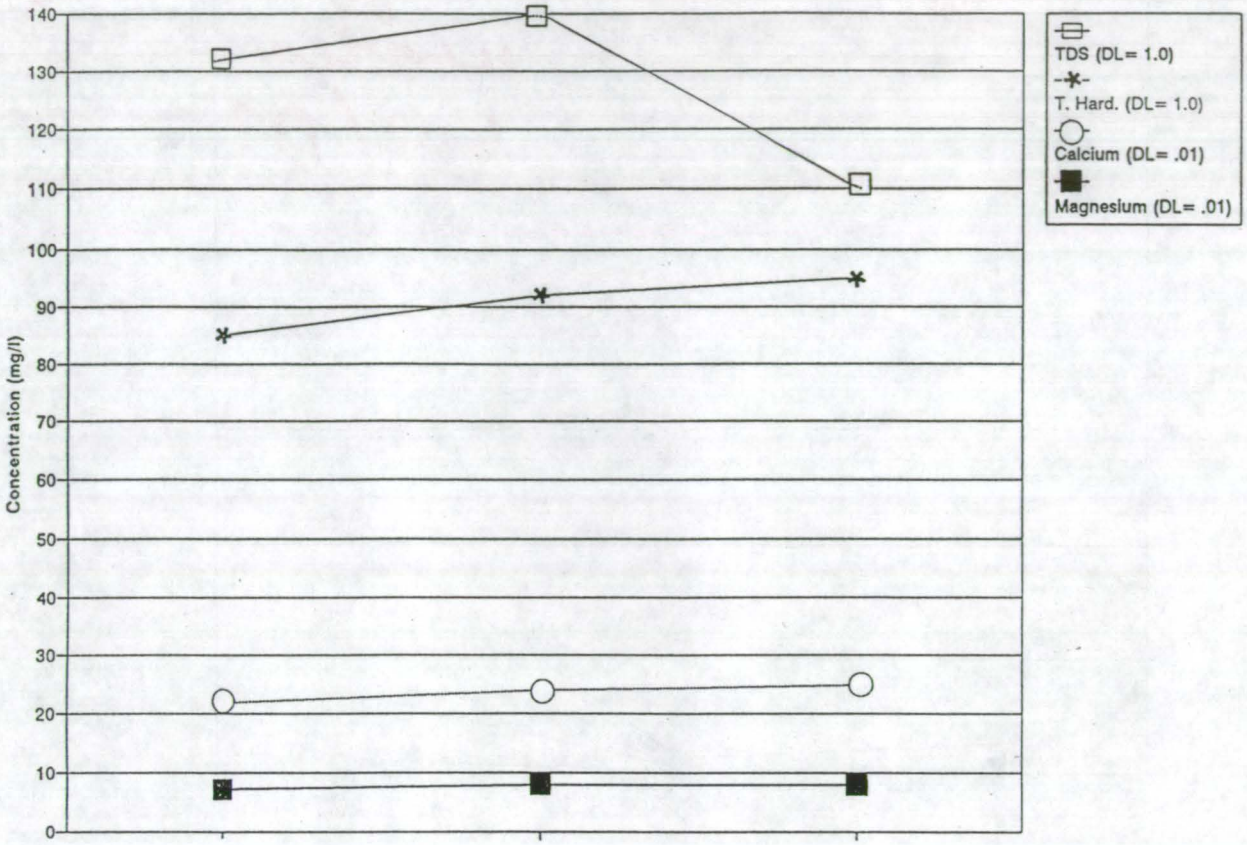


FIGURE 4.2

not in X-sect.

Adams Well
23/06E-15L04



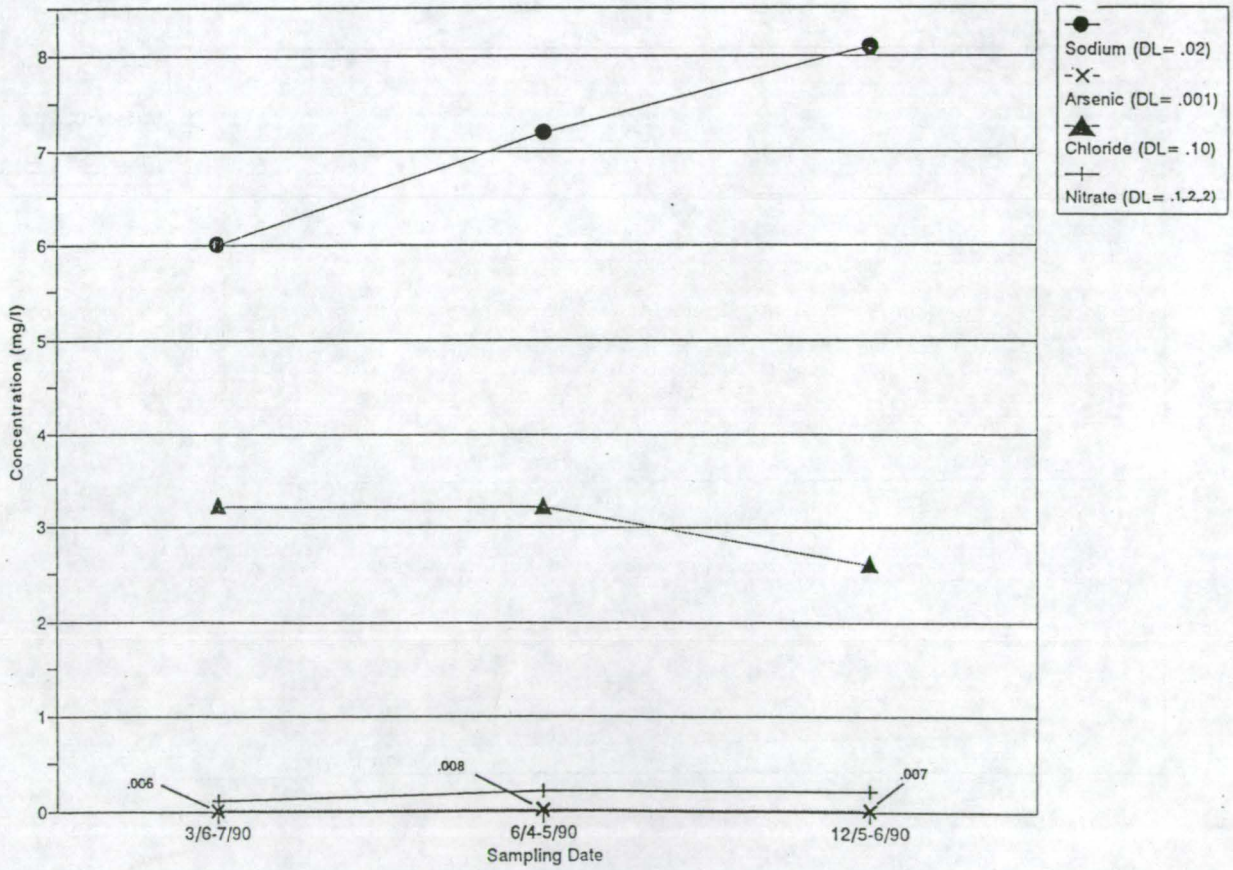
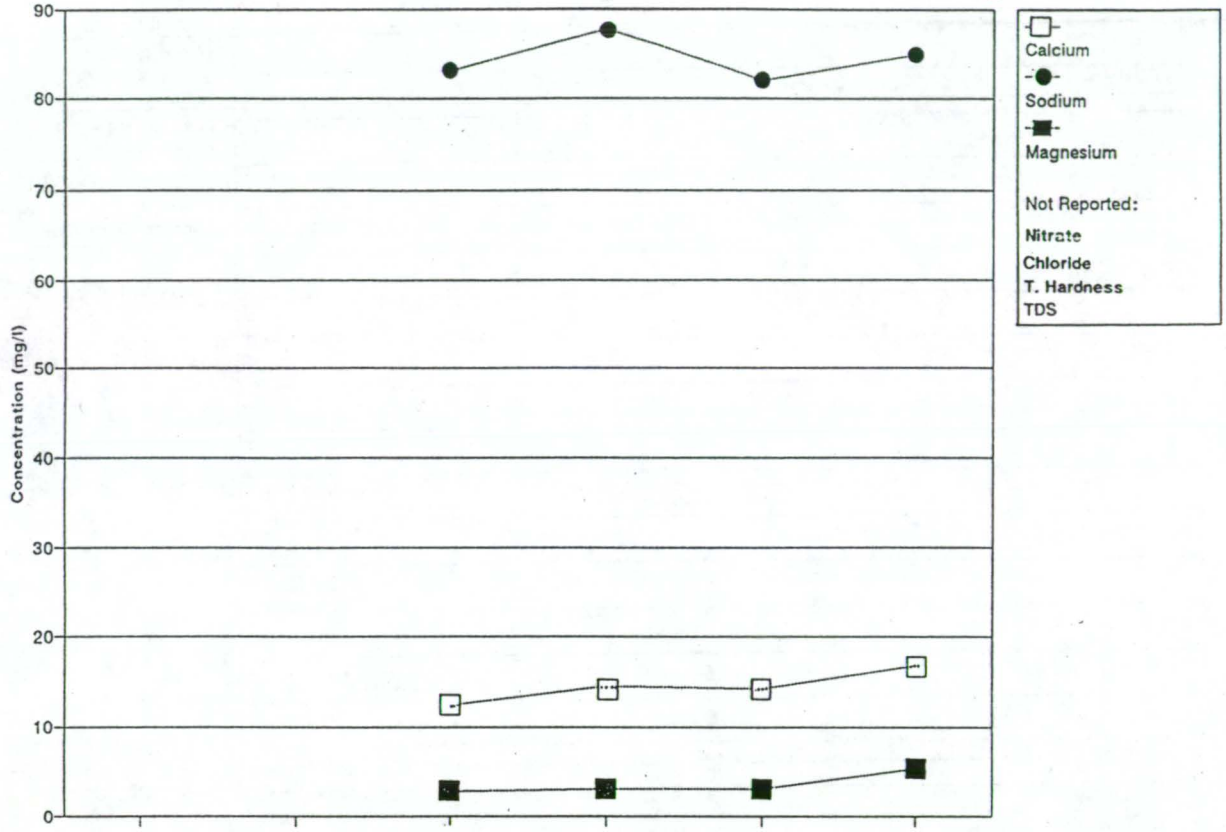


FIGURE 4.5

Mitchell Well
23/06E-27F02
King County Public Works

core log?



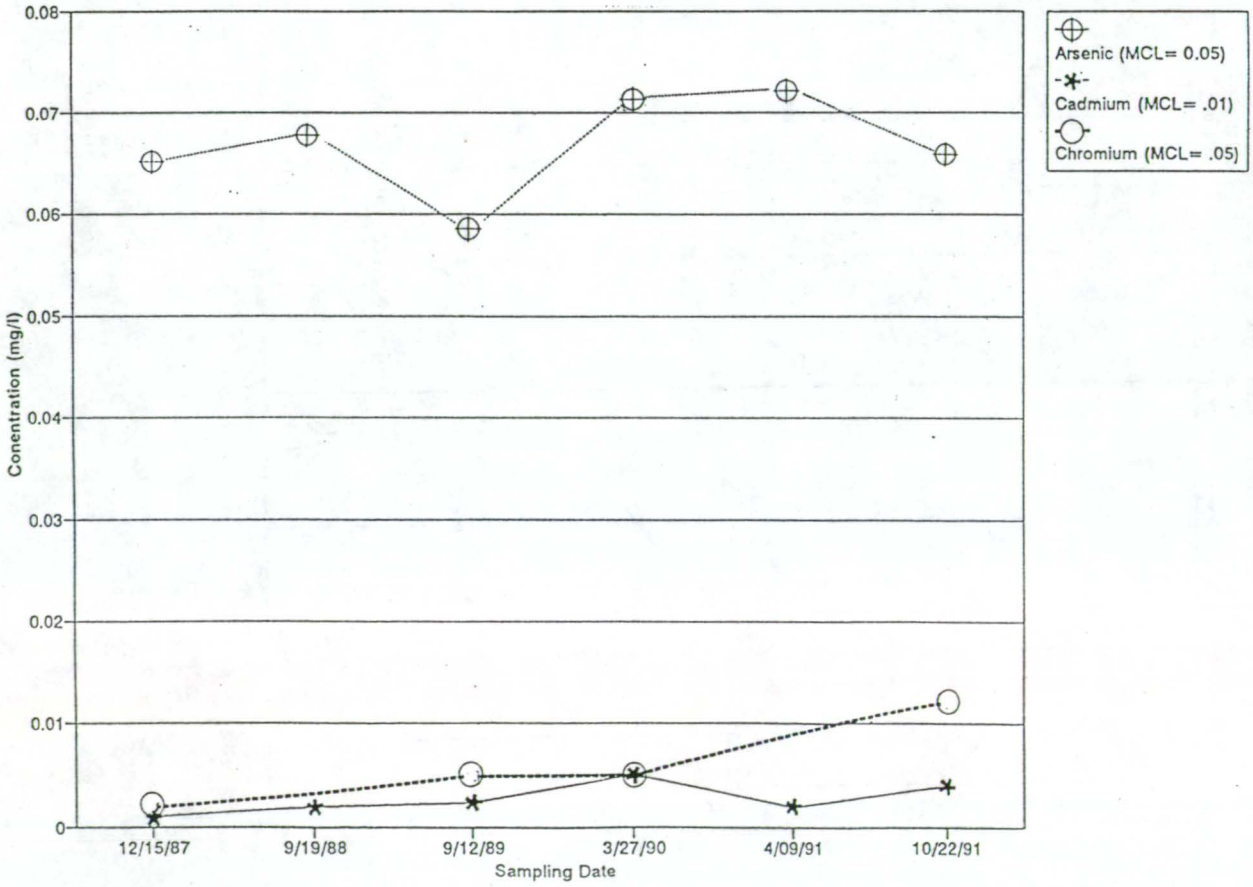
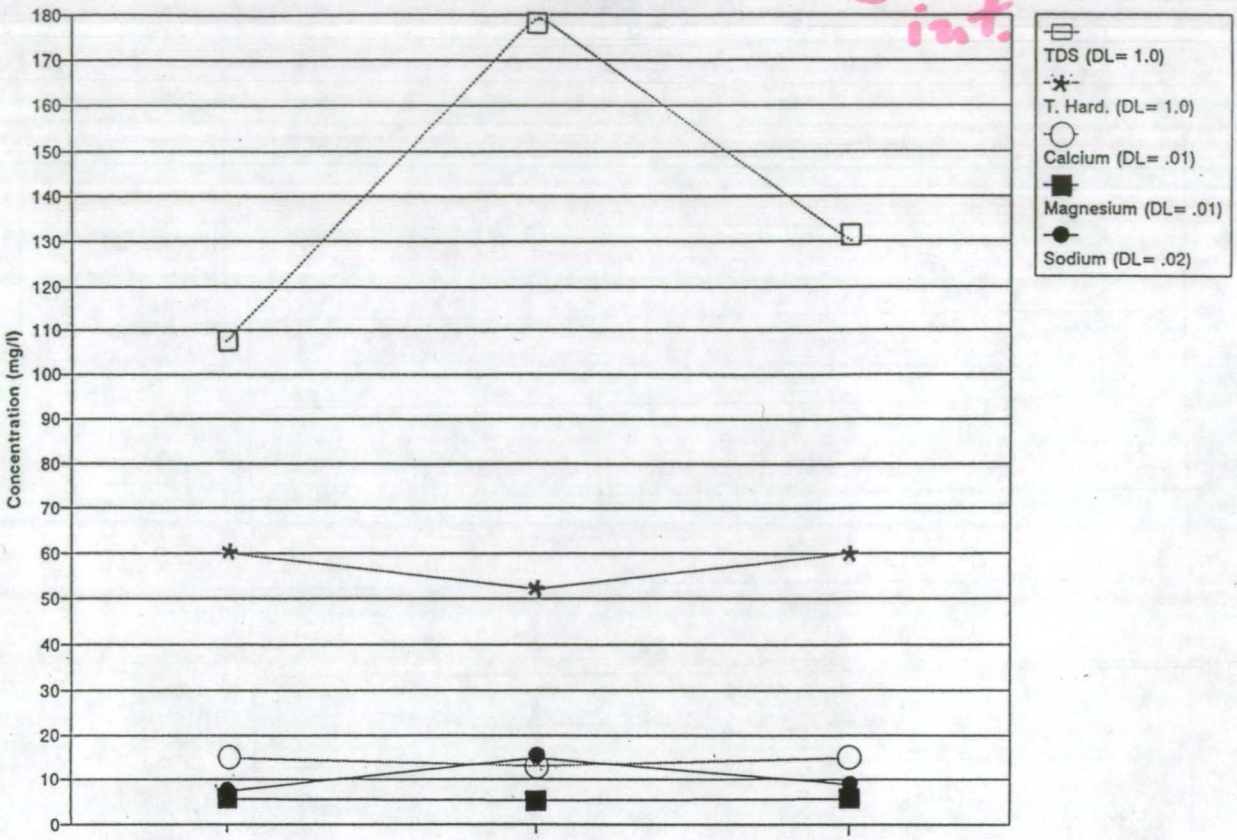


FIGURE 4.4

Greening Well
23/06E-27A02

Screen int.?



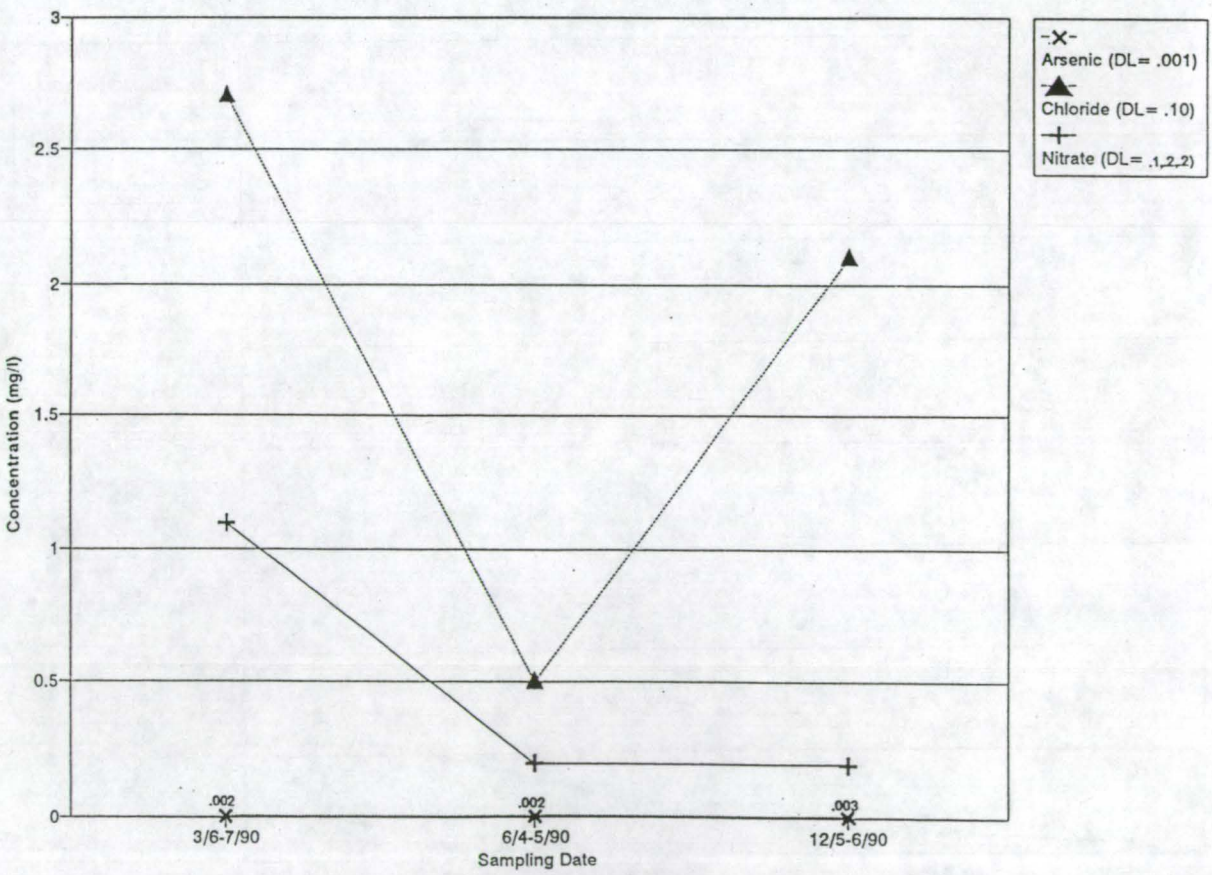
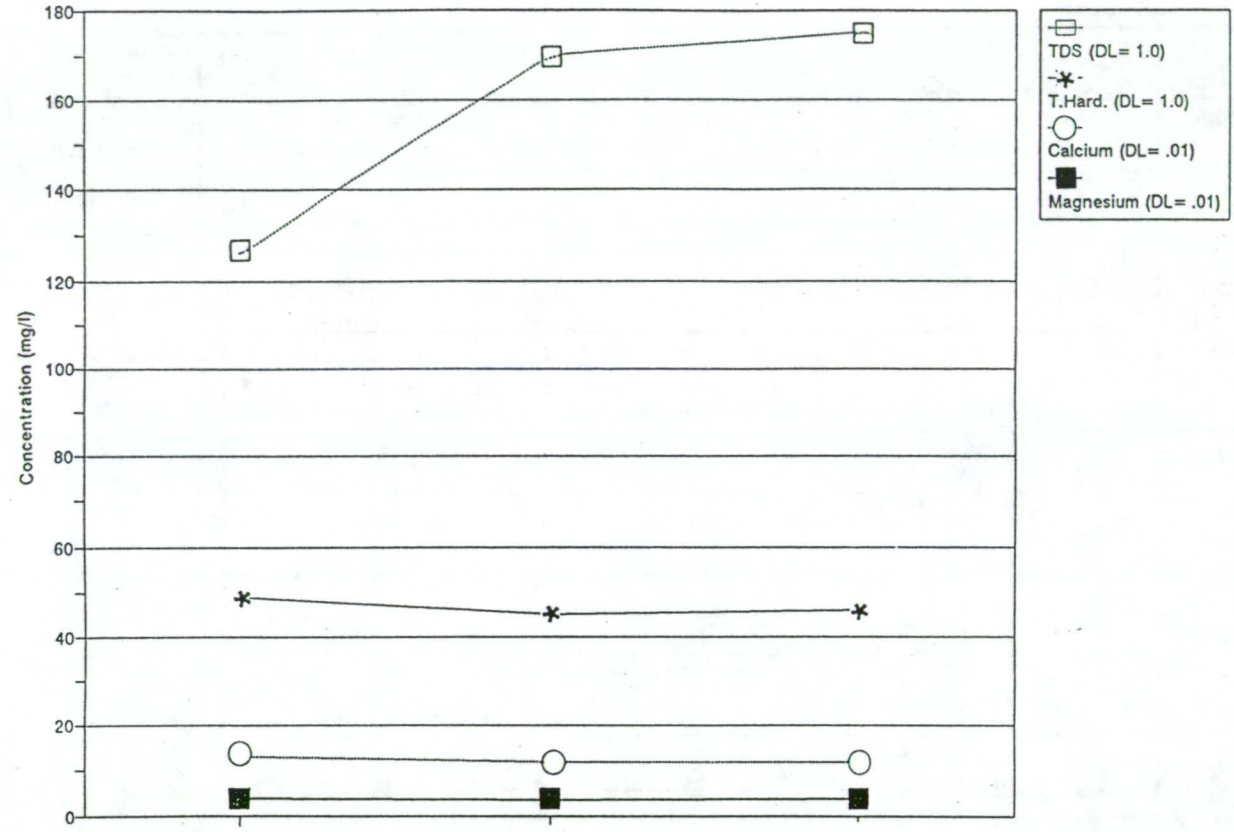


FIGURE 4.7

no x-sect.?

Pommer Well
24/06E-29R01



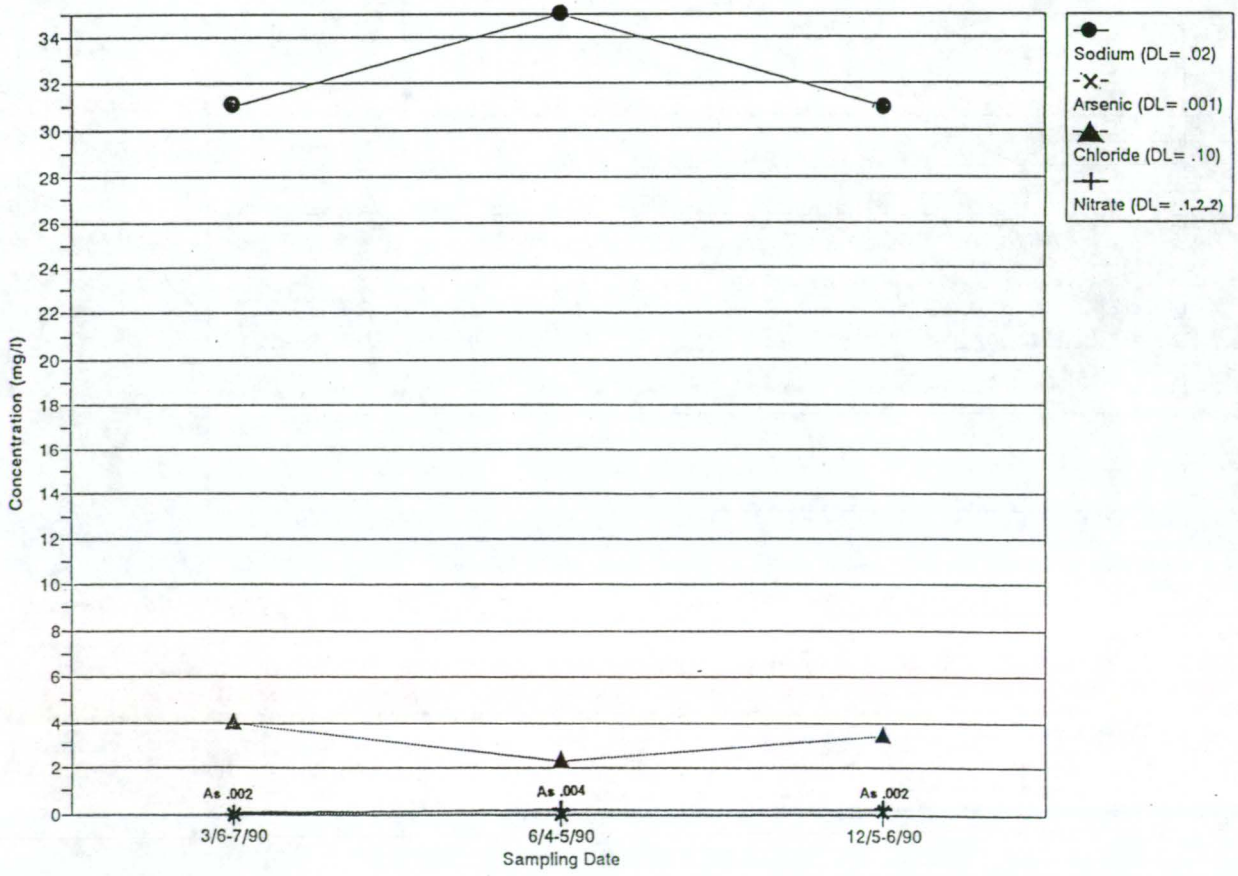
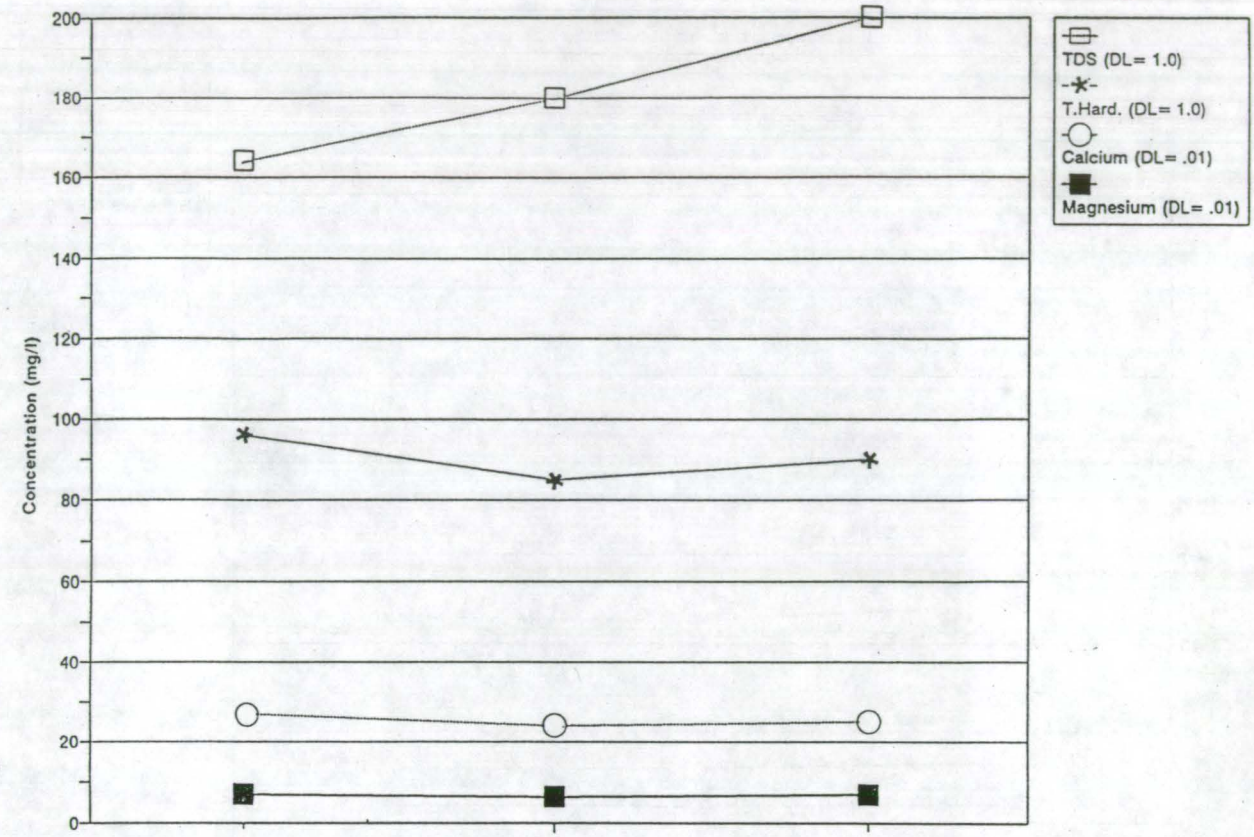


FIGURE 4.6

elev. wrong

Overdale Well
24/6E-21J01



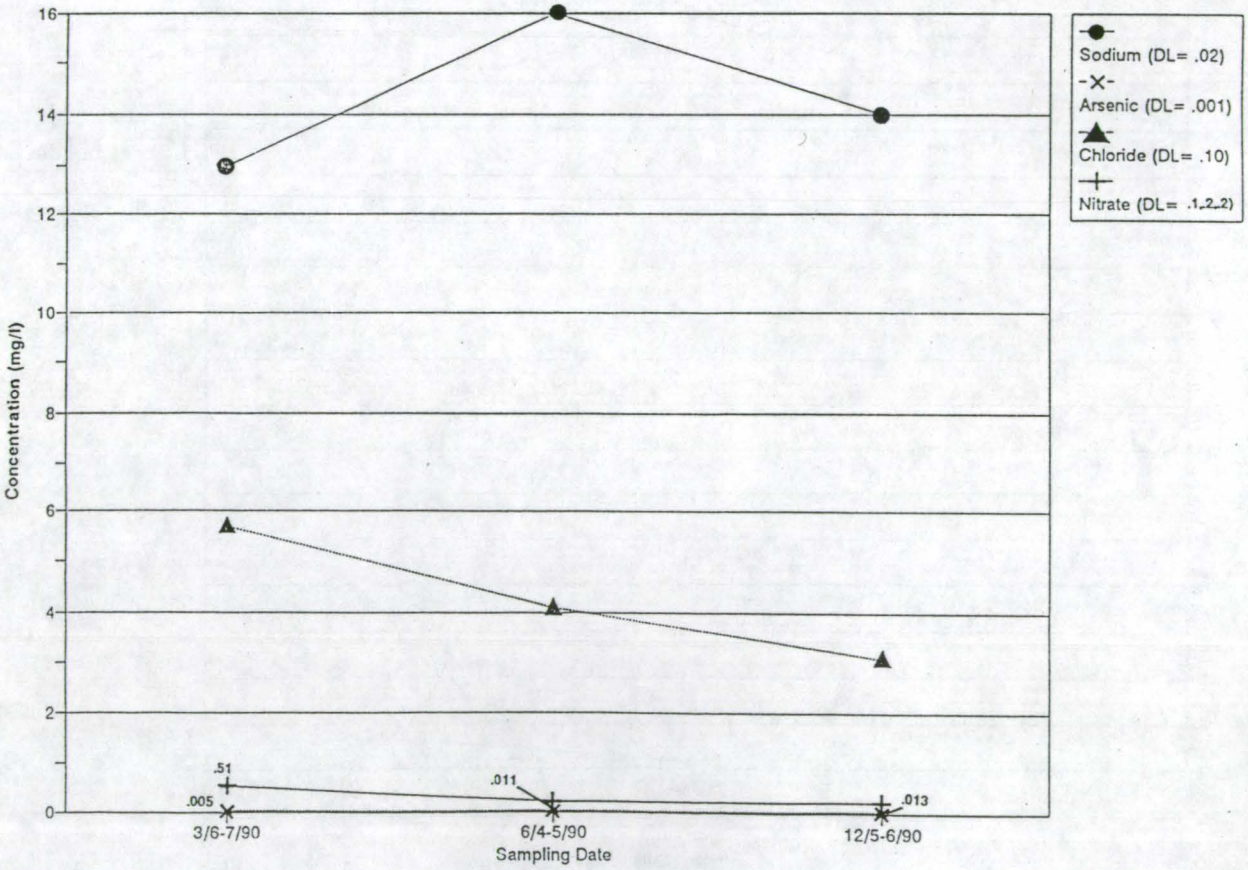
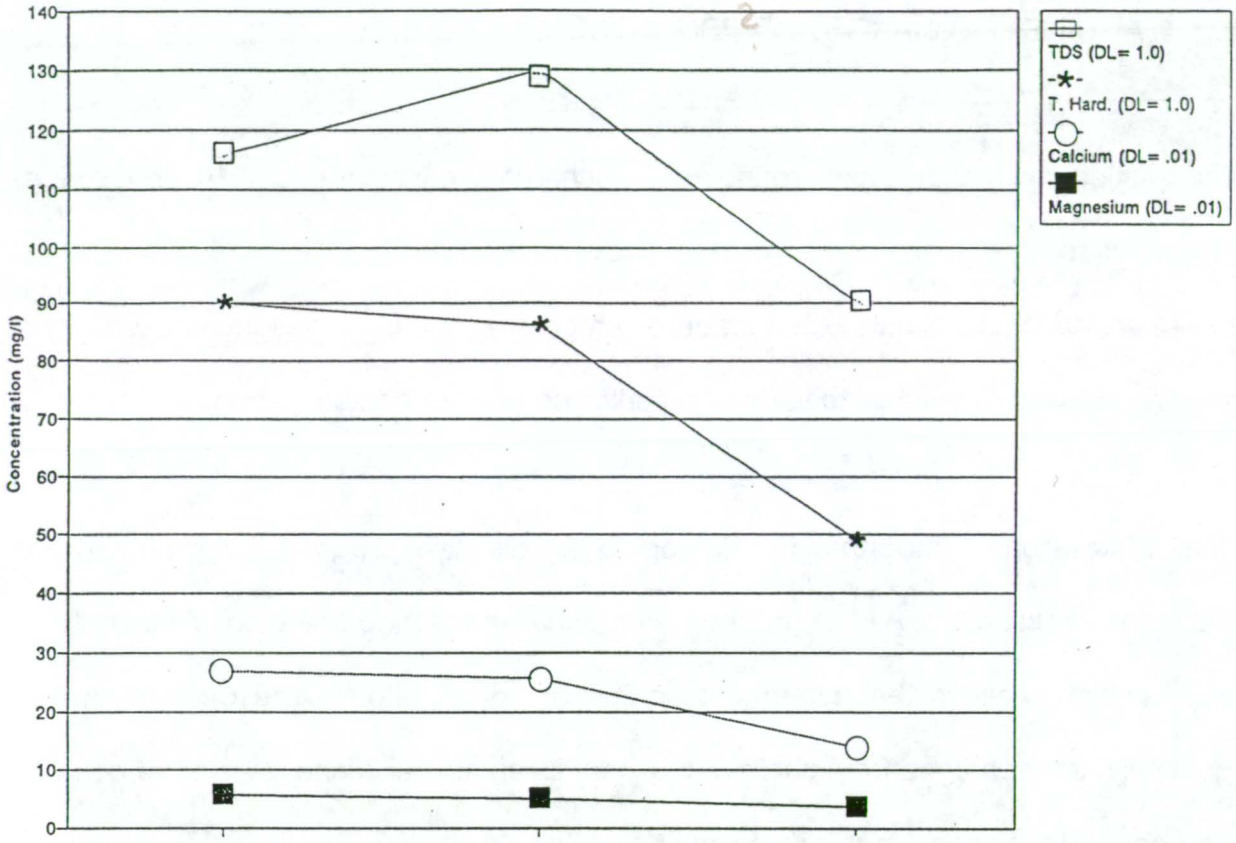
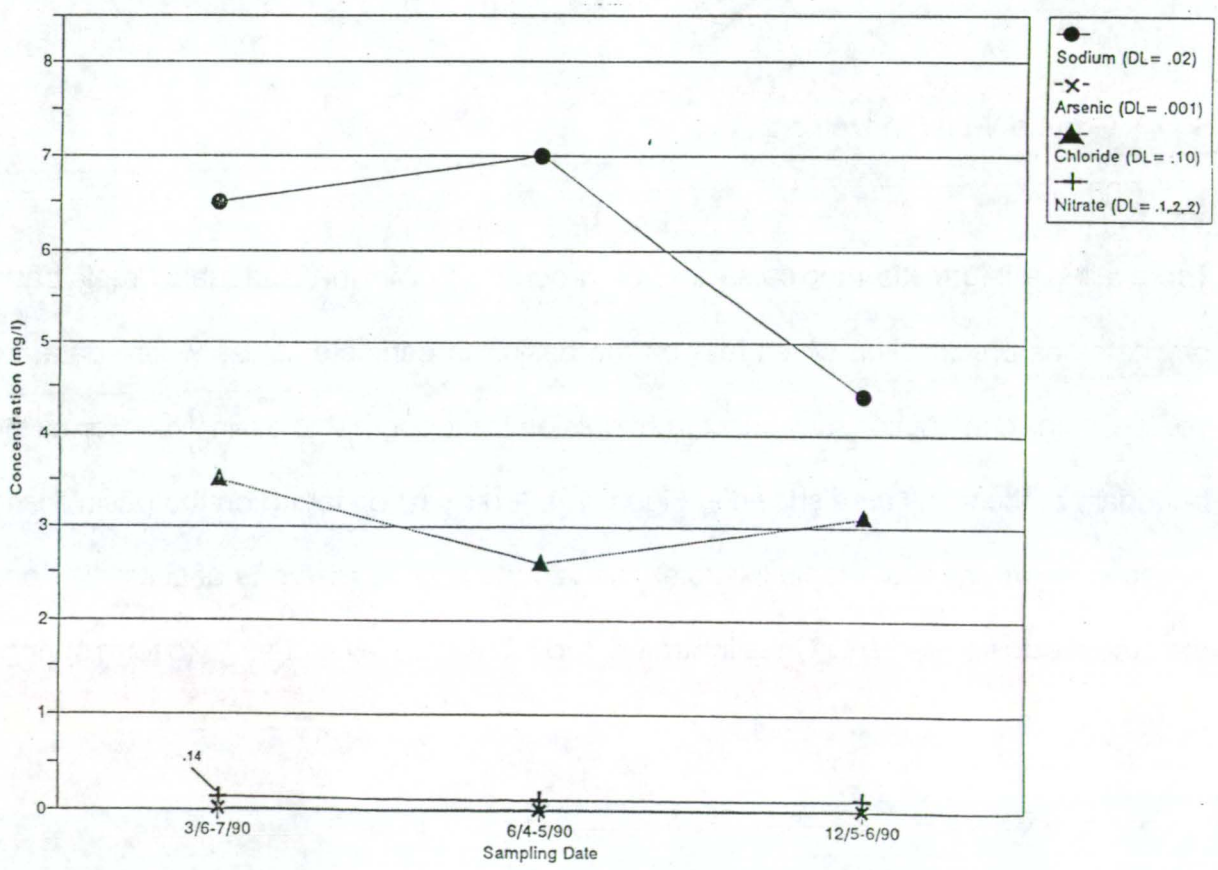


FIGURE 4.8

Preston Industrial Park
24/07E-32A

x-sec?





5.0 AQUIFER RECHARGE AND PROTECTION

This section summarizes how ground water recharge occurs in the IGWMA. It describes ground water movement, compares the relative recharge potential in various parts of the basin, provides an estimate of the amount of recharge, and evaluates the vulnerability of the ground water resource to various potential sources of contamination.

This information is important to developing an effective program for ground water management in the basin. The ground water recharge described here considers only the water which reaches the uppermost aquifer at any location. The deeper aquifers generally are recharged from shallow aquifers. Deep aquifer recharge is more complex and beyond the scope of this investigation.

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5.1 Ground Water Movement

The available information indicates that all ground water in the Issaquah Creek basin originates as precipitation which falls on the basin. In perimeter areas where data are sparse, some contribution may occur from outside the topographic basin which forms the boundary of the study area shown in **Figure 2.4**. Precipitation falling on the basin's land surfaces above the water table infiltrates the vadose zone to the zone of saturation and then moves down-gradient. Once infiltrated, ground water may reemerge to form springs

and streams or enter other surface water bodies. Part of the infiltrated water also may migrate through deeper sediments to underlying aquifers. Ultimately, all the ground water in the basin discharges to Issaquah Creek or exfiltrates directly to Lake Sammamish.

5.2 Recharge Potential

Recharge potential varies from one part of the Issaquah Creek basin aquifer to another. Some areas are characterized by features which allow significant quantities of recharge to occur while other areas have features which limit the amount of recharge.

In this study, the areas of high, moderate, and low recharge potential have been delineated using the method developed in the Vashon/Maury Island Water Resource Study (J.R. Carr/Associates, 1983). This method is similar to that used by EMCON in the draft Redmond Ground Water Management Report (EMCON, 1992). This method recognizes that recharge potential of any area is influenced by these characteristics:

- Permeability of the surficial soils
- Permeability of underlying sediments
- Slope of the surface
- Relationship of ground water levels to surrounding areas
- ~~Land Use~~ ongoing + historic

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Table 5.1 categorizes each type of soil, sediment, slope, and water level relationship present in the basin by recharge potential. Overlaying maps of each of these characteristics produces a derivative map showing areas of high, medium, and low recharge potential.

As shown in the derivative map for the IGWMA, Figure 5.1, areas of low recharge potential occur in steeply sloping, mountainous, till-mantled bedrock areas in the central part of the basin. Areas of moderate recharge potential are located in the glacial drift plains south of the Squak/Tiger Mountain Gap and in wetland areas of the lower valley. Areas of high recharge are present along the valley floor, along permeable talus slopes adjacent to the valley floor, and in areas of coarse-grained deltaic sediments deposited from the valley's tributary to Issaquah Creek.

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5.3 Quantity of Recharge

The area of high potential recharge occupies about 20 percent of the total area of the basin. The areas of moderate and low potential recharge each occupy about 40 percent.

As described in Sections 2 and 3 of this report, only part of the recharge that occurs south of the Squak/Tiger Mountain Gap may enter the lower Issaquah Creek valley. Using a reasonable range of recharge of each area, recharge of the lower valley is

estimated to be between 10,000 and 23,000 acre feet per year (af/yr) or 22 to 51 cfs. These results are comparable to the results of the water budget calculation described in Section 2, although the two calculations represent different approaches and use different variables.

Of this total quantity, about 30 percent is generated from areas of low recharge potential, 5 percent from the areas of moderate recharge potential, and 65 percent from areas of high recharge potential. These facts clearly demonstrate the importance of effective ground water management in the areas of high recharge potential.

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5.4 Aquifer Vulnerability

The manner in which ground water recharge occurs in the Issaquah basin renders the resource vulnerable to reductions in water quantity and to the degradation of water quality. Commercial or other high density land development which covers large areas of high potential recharge with impermeable surfaces could significantly reduce the quantity of recharge. Other types of activities which allow toxic substances to infiltrate to underlying aquifers could seriously impair water quality.

During the period of this study, several spills and related events have occurred in the lower Issaquah Creek valley which have threatened the water quality in some existing

Data?

Ref.

high capacity production wells. The actual impact of these spills has been lessened by rapid remedial response, intense monitoring, and modified withdrawal patterns from the potentially affected wells.

At the present time, the lower Issaquah Creek valley is probably the most vulnerable part of the ground water resource. In this area, high capacity wells have been completed at relatively shallow depths in coarse-grained sediments which are not separated from the surface by impermeable sediments.

5.5 Aquifer Protection

Types of activities which could impair the quality or quantity of the ground water resource are listed in **Table 5.1**, Potential Impacts to Quantity, and **Table 5.2**, Potential Impacts to Quality.

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TABLE 5.1

POTENTIAL IMPACTS TO QUANTITY	
RESIDENTIAL AND COMMERCIAL DEVELOPMENT	
Activity	**Impact**
Using private supply water wells	Increased discharge & translocation of ground water
Using onsite septic tank sewage disposal system effluent	Formation of shallow ground water recharge mounds
Constructing impermeable surfaces (rooftops, pavement, parking lots, drainage systems)	Increased, runoff, decreased infiltration & recharge conduit for contaminants
Excavating cut slopes & fill additions	Altered evaportranspiration, surface drainage, infiltration & recharge, increased discharge for irrigation
Operating & maintaining cemeteries	Altered percolation of ground water, increased discharge for irrigation
PUBLIC INFRASTRUCTURE AND UTILITIES SERVICES	
Excavating utilities & pipelines	Altered percolation of ground water
Installing grounded bed borings for pipelines & structures	Interconnection of surface drainage & aquifer systems
Constructing streets & roads, highway interchanges, parking lots, facilities with impermeable surfaces & rooftops	Increased runoff, decreased infiltration & recharge, increased ponding & flooding with possible erosion downstream from collection points
Controlling vegetation in rights-of-way	Increased runoff, decreased infiltration & recharge
Constructing storm drainages	Increased runoff, decreased infiltration & recharge, possible localized recharge mounds under storm detention storage & along grassed waterways
Constructing sanitary sewers	Translocation of water, increased shallow ground water recharge along leaks, possible ground water infiltration into sewer pipes
Constructing public water supply systems	Translocation of water
Constructing, operating & closing landfills	Altered infiltration, surface drainages & ground water percolation, aquifer interconnections, recharge mounding
Maintaining vegetation along utility corridors & transportation rights-of-ways	Increased discharge for irrigation, translocation of water, varied evaportranspiration, infiltration & recharge
COMMERCIAL AGRICULTURE AND HOBBY FARMS	
High density animal husbandry	Increased surface runoff, decreased infiltration & recharge
Irrigation & stock watering	Translocation of ground & surface water, shallow recharge mounding
Field preparation & crop cultivation	Varied evapotranspiration, increased runoff, decreased infiltration & recharge

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TABLE 5.1 CONTINUED

POTENTIAL IMPACTS TO QUANTITY	
SAND AND GRAVEL MINING	
Activity	Impact
Operations (removal of overburden, sand & gravel, excavation site dewatering)	Decreased physical aquifer capacity, increased discharge of ground water to surface, altered surface drainage, interconnected aquifer systems
Abandonment of operations	Varied local ground water recharge or discharge, translocation of aquifer water, altered surface drainage
TIMBER HARVESTING	
Tree & vegetation removal	Increased runoff, decreased infiltration & recharge, varied disruption of evaportranspiration processes
Access road construction	Increased surface runoff, decreased infiltration & recharge

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TABLE 5.2

POTENTIAL IMPACTS TO QUALITY		
RESIDENTIAL AND COMMERCIAL DEVELOPMENT		
Contaminant Source	**Cause**	**Potential Contaminants**
Septic tank effluent	Improper site selection, design, construction & maintenance	Pathogens, nitrates, chlorides, sodiums, inorganic chemicals, hazardous substances (cleaning compounds, solvents, pesticides, petroleum products, organic chemicals, heavy metals)
Hazardous substance use, storage & disposal (domestic, commercial & industrial)	Improper use, inadequate containment, improper disposal, assimilative capacity of application site exceeded, spills, lack of practical disposal facilities or methods	Hazardous substances (solvents, petroleum products, heavy metals, organic & inorganic chemicals, pesticides)
Pumping induced ground water contamination	Natural and altered aquifer hydrogeochemical conditions, well location and depth, pumping patterns & rates, alteration of recharge area hydrology, overpumping, inadequate well construction or seals	Iron, manganese & hydrogen sulfide, highly mineralized saline or brackish water
Introduction of wastes through wells Improper const. of well Age?	Improper abandonment of wells, use of wells for waste disposal or injection, use of dry wells for surface drainage	Uncontrolled introduction of hazardous substances and pathogens
Mortuary and cemetery operations & maintenance	Inadequate disposal of wastes, improperly located graveyards, overfertilization of grounds	Pathogens, organic chemicals, heavy metals, nitrate
PUBLIC INFRASTRUCTURE AND UTILITIES SERVICES		
Transportation spills of hazardous materials	Improper emergency response and cleanup of accidental releases	Hazardous substances (petroleum products, organic chemicals, solvents, pesticides, concentrated toxins, caustics, heavy metals, radioactive materials, pathogens)
Vegetation control for right-of-way maintenance	Application of herbicides in exceedance of surface assimilative capacity	Pesticides
Provision & transmission of electrical power	Leakage of insulating fluids	Organic chemicals (PCBs)

UST's ??

not only surface assim.

TABLE 5.2 CONTINUED

POTENTIAL IMPACTS TO QUALITY		
PUBLIC INFRASTRUCTURE AND UTILITIES SERVICES CONTINUED		
Contaminant Source	**Cause**	**Potential Contaminants**
Stormwater drainage	Conveyance & infiltration of transportation related wastes deposited on roadways & streets	Petroleum products, organic chemicals (tire rubber), heavy metals (lead)
Landfill leachate	Inadequate or improper siting, design, construction, operation & closure of facilities, uncontrolled acceptance of hazardous substances for disposal	Pathogens, nitrate, iron & manganese, hazardous substances (organic & inorganic chemicals, pesticides, solvents, petroleum products, caustics, heavy metals & radioactive materials)
Pumping induced ground water contamination	Natural & altered aquifer hydrogeochemical conditions, well location & depth, pumping patterns & rates, alteration of recharge area hydrology, overpumping, inadequate well construction or seals	Iron, manganese & hydrogen sulfide, highly mineralized saline or brackish water
Introduction of wastes through wells	Improper abandonment of wells, use of wells for waste disposal or injection, use of dry wells for surface drainage	Uncontrolled introduction of hazardous substances & pathogens
Parks, golf courses and landscaping	Over application of fertilizers & pesticides, leaking fertilizer & pesticide storage containers	Nitrate, pesticides
SAND AND GRAVEL MINING		
Contaminant Source	**Cause**	**Impact**
Open pits in or above aquifers	Improper abandonment and filling with unsuitable wastes	Petroleum products, hazardous wastes, pathogens, iron, metals
Equipment fuel tank leakage	Inadequate containment, vandalism	Petroleum products
Illegal "midnight" dumping in excavated pits	Criminal behavior & moral turpitude, inadequate security for active operations & inadequate closure practices or law enforcement for abandoned sites	Uncontrolled varied wastes - hazardous wastes (sludges, organic & inorganic chemicals) from industrial, agricultural, commercial & domestic sources, pathogens & nitrates from septage, animal carcasses & vermin

only mention of USTs

TABLE 5.2 CONTINUED

POTENTIAL IMPACTS TO QUALITY		
TIMBER HARVESTING		
Contaminant Source	**Cause**	**Potential Contaminants**
Fuel & pesticide storage	Inadequate containment	Petroleum products & pesticides
Control of weeds & pests, fertilization of seedlings	Improper application	Pesticides & nitrates
Removal of timber & vegetation	Stimulated vegetative nutrient release through plant death, combustion & decay	Nitrates
COMMERCIAL AGRICULTURE AND HOBBY FARMS		
Animal feedlots, pens, waste storage	Improper siting, animal density exceeds natural waste assimilative capacity of soils, inadequate waste collection, storage, treatment & disposal, lack of fencing through creeks	Nitrate & pathogens
Nurseries, commercial crops	Leakage from inadequate containers, improper storage practices, over application & inappropriate application of fertilizers & pesticides	Pesticides, nitrates, petroleum products, hazardous substances
Introduction of hazardous substances & wastes through wells	Lack of adequate backwash prevention valves for chemigation & manurigaion, improper abandonment of wells, use of wells for waste disposal or injection, use of dry wells for surface drainage	Nitrate, pesticides, pathogens, hazardous substances

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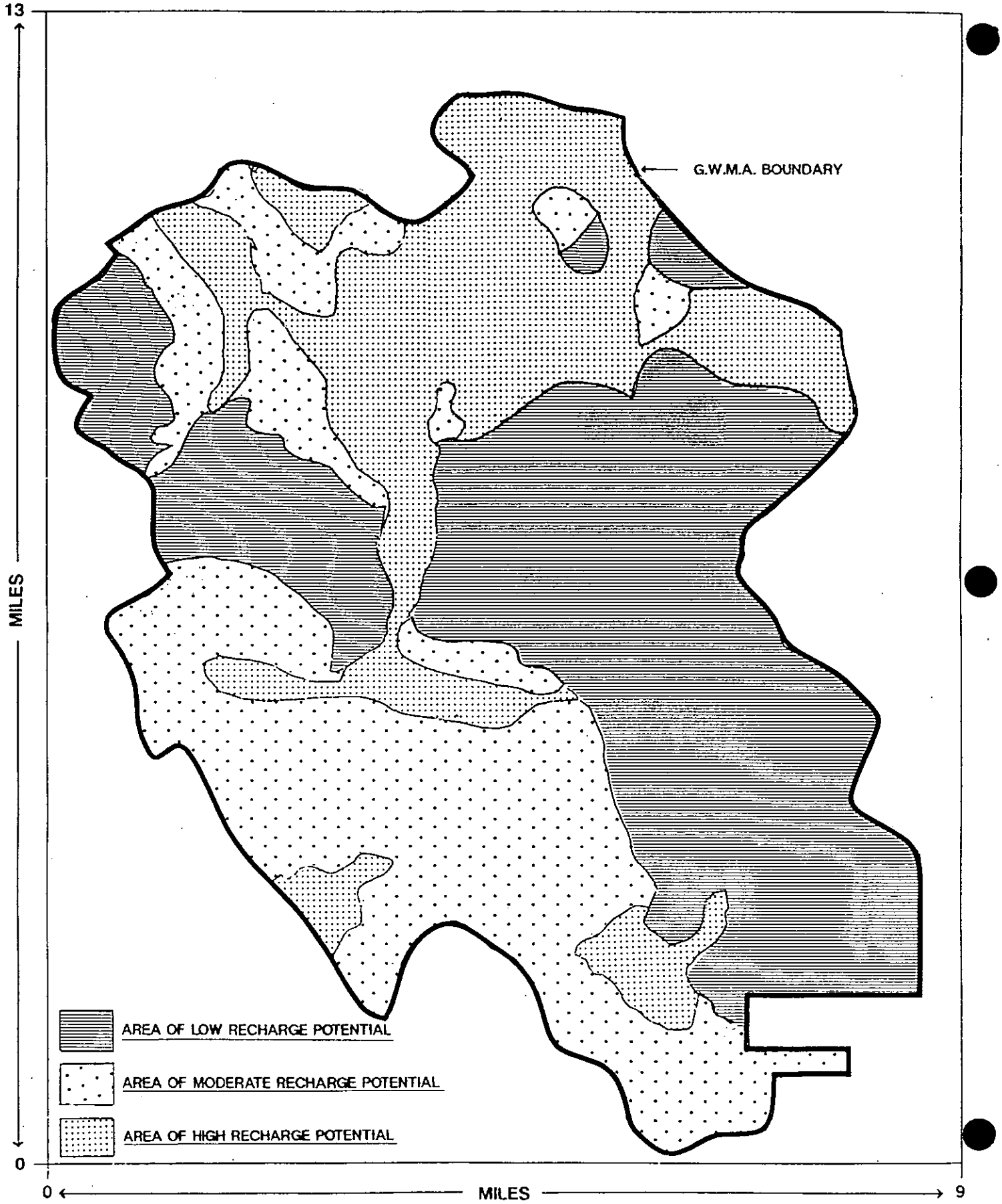
FIGURE 5.1

RECHARGE POTENTIAL MAP



6.0 CONCLUSIONS

The results presented in this report are based on previously existing data and data collected during the course of this study. Current regional planning suggests that ground water resources of the Issaquah valley will remain a primary source of subregional public and private domestic water supplies for the foreseeable future. Maintenance and enhancement of the existing quantity and quality of water will require careful management of the resource. The findings of this project have resulted in the following conclusions:

- The 62 square-mile Issaquah Creek drainage basin produces an estimated ground water discharge of 25 cfs (not including baseflow). The actual discharge may be less than this estimated amount if drainage from the upper basin above the Squak/Tiger Mountain Gap is naturally diverted toward the Cedar River drainage.

- The basin has three distinct hydrostratigraphic units. Local **bedrock** forms a basement aquitard which retards ground water movement from the basin. The bedrock's structural features coupled with its recent glacial erosion have created a highly variable bedrock surface.

  could aid in gap areas.

  The major **aquifers** of the basin are present as deltaic and alluvial sediments and are located adjacent to the valleys. In the lower valley, these aquifers are capable

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of supplying in excess of 1,000 gpm to properly constructed wells. Other parts of the basin with less permeable aquifers allow development of wells capable of producing 5 to 100 gpm.

In most parts of the basin, the major aquifers are separated by discontinuous aquitards of silt and clay and low permeability, glacial sediments.

- Water quality in the basin is generally excellent. Volatile organic compounds have been found in shallow ground water at spill sites in the lower valley. To date no volatile organics have been found in major aquifers or wells. Analyses of inorganic ions show the presence of parameters characteristic to those of Puget Sound area ground waters. At some locations iron, manganese, and other naturally occurring contaminants occur in excess of the secondary maximum contaminant levels. Water quality in the bedrock is typically inferior to water quality in the unconsolidated aquifers. Some seasonal variation in water quality has been noted. Local land use activities appear to influence local water quality and could impair it.

- The basin has areas of low, medium, and high recharge potential. Most of the available ground water originates in areas of high potential recharge. These areas are present along permeable talus slopes of the lower valley and in areas of coarse-grained deltaic sediments in the upper and lower parts of the basin. The

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total ground water recharge in the basin is estimated to be between 21 and 51 cfs (13 to 33 mgd).

Future ground water management of the basin should include a cooperative program to protect the aquifer. The program should include coordinated monitoring efforts with King County Surface Water Management, Washington Department of Natural Resources, Washington Department of Ecology, and Washington Department of Health, particularly its Wellhead Protection Program.

The program should include continued monitoring of precipitation, selected water levels, water quality issues, and stream discharge measurements. Stream discharge monitoring along the Squak/Tiger Mountain Gap is particularly critical to further evaluate the ground water discharge contribution of the upper Issaquah basin.

The management program should include efforts to evaluate the impacts of development on the ground water resources. Ideally a relatively small development could be identified and a ground water monitoring program established to allow evaluation of the long-term effects. Several proposed major developments could have significant impacts on the ground water resources of the basin.

To be effective, the ground water management program should include an education program and protection strategies which are regularly updated with new findings and results of continued monitoring.

DRAFT

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APPENDIX A

SUMMARY OF PRECIPITATION DATA

ISSAQUAH GROUND WATER MANAGEMENT AREA

SUMMARY OF PRECIPITATION DATA OF GWMA MONITORING SITES
TOTAL MONTHLY AND ANNUAL PRECIPITATION
ISSAQUAH GROUNDWATER MANAGEMENT AREA

GAUGE NO.:	8	9	10	11	12	14	15	16
SITE LOCATION:	23N/06E-34P	23N/06E-35G	24N/06E-10N	23N/06E-20K	24N/06E-30D	24N/07E-19L	23N/06E-8J	24N/06E-34Q
ELEVATION (Ft):	525	680	410	610	1325	1450	875	175
SITE NAME:	FRANCIS	SECTION 35	LAUGHING	MAPLE	COUGAR	GRAND	SQUAK MT	ISSAQUAH
DATE	LAKE		JACOBS LK	HILLS	MOUNTAIN	RIDGE	SW SLOPE	
May-89				3.39 <E		3.94 <E	3.90 <E	4.33
Jun-89			1.81	1.71 <E		1.83 <E	2.34	2.01
Jul-89	1.16	0.64	0.91	1.15		0.05	1.23	1.89
Aug-89	0.91	0.64	1.00	2.20	1.41	1.31	1.65	1.72
Sep-89	0.63	0.90	0.37	0.70	0.32	0.57	0.69	0.36
Oct-89	4.62	4.49	4.23	3.96	3.83	5.29	4.34	4.83
Nov-89	7.05	7.50	6.77	7.02	7.60	7.86	7.17	8.77
Dec-89	6.02	6.91	5.78	5.22	5.88	6.25	6.35	6.71
Annual	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jan-90	11.48	10.92	10.47	7.57	11.90	13.03	11.40	12.31
Feb-90	11.43	5.30	4.11	7.10	4.63	5.36	4.31	8.33
Mar-90	4.57	4.14	4.37	4.13	4.62	5.70	4.33	6.23
Apr-90	3.48	3.55	3.18	3.05	3.56	3.48	3.47	3.90
May-90	4.41	4.73	3.58	3.45	3.48	3.21	3.60	3.82
Jun-90	5.15	5.78	4.74	4.50 <E	4.84	4.97	5.50	5.52
Jul-90	1.46	1.11	1.91	1.53 <E	1.18	1.65	1.71	1.69
Aug-90	2.67	2.72	1.65	1.89 <E	1.45	1.61	1.59	1.59
Sep-90	0.55	0.39	0.17	0.25 <E	0.29	0.14	0.20	0.17
Oct-90	8.17	7.82	8.46	6.72 <E	8.12	9.62	9.03	9.37
Nov-90	14.81	13.69	9.69	13.98 <E	10.91	12.89	13.16	14.34
Dec-90	4.91	4.79	4.23	4.83 <E	4.81	5.32	5.29	6.53
Annual	73.08	64.94	56.56	59.01	59.79	66.97	63.59	73.80
Jan-91	5.63	6.35	4.91	4.30 <E	5.95	5.42	5.81	6.23
Feb-91	7.32	6.44	6.26	6.31 <E	6.31	7.06	6.61	6.68
Mar-91	6.95	6.46	5.87	5.67 <E	6.55	5.05	7.23	8.01
Apr-91	7.85	8.26	8.13	7.24 <E	7.67	9.06	7.96	7.95
May-91	3.12	2.28	2.18	2.79 <E	2.46	2.54	3.51	2.81
Jun-91	1.70	1.50	2.73	1.52 <E	1.84	2.60	1.76	1.97
Jul-91	0.50	0.46	0.52	0.38 <E	0.62	0.47	0.50	0.46
Aug-91	2.13	1.97 <E	1.88	2.09 <E	2.36	1.74	2.32	2.30
Sep-91	0.59	0.55 <E	0.01	0.37 <E	0.10	0.50	0.14	0.19
Oct-91	2.48	2.36	2.16	1.84 <E	1.90	2.23 <E	2.18	2.45
Nov-91	7.71	6.14	6.57	6.82	7.07	7.75 <E	8.13	8.51
Dec-91	4.65	4.29 <E	4.76	4.44	5.65	5.89 <E	5.83 <E	6.47
Annual	50.61	47.06	45.98	43.77	48.48	50.30	51.98	54.03

Notes:
[1] All values in inches.
[2] "E" referes to estimate.

SUMMARY OF PRECIPITATION DATA FOR CEDAR HILLS LANDFILL STATION
TOTAL MONTHLY AND ANNUAL PRECIPITATION [1]
ISSAQUAH GWMA PROGRAM

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1974	--	--	--	--	2.95	2.85	2.67	0.50	0.45	1.80	9.55	8.57	N/A
1975	10.11	7.34	5.79	4.76	2.45	2.50	0.75	5.43	0.15	12.08	8.35	11.50	71.21
1976	8.00	5.60	3.66	3.50	2.70	2.60	1.33	5.70	2.85	2.85	2.43	4.75	45.97
1977	3.30	2.90	6.25	1.95	4.94	1.35	1.30	5.50	4.20	4.21	7.27	8.51	51.68
1978	5.09	4.80	4.11	5.83	3.63	1.93	2.44	2.20	8.45	1.65	7.20	4.25	51.58
1979	4.30	8.04	2.35	3.20	2.10	1.40	1.60	1.70	2.15	4.75	2.59	11.90	46.08
1980	5.22	7.70	5.54	4.75	2.75	3.80	2.30	2.20	3.65	2.80	12.90	10.65	64.26
1981	3.85	7.95	3.50	6.65	4.30	5.55	2.45	0.50	4.95	7.85	6.10	9.75	63.4
1982	9.95	11.50	5.75	3.05	1.60	1.47	1.50	1.55	3.29	5.76	8.10	10.09	63.61
1983	10.50	6.69	6.62	2.44	3.05	6.32	5.40	2.42	4.30	3.20	12.00	5.25	68.19
1984	10.74	5.25	5.37	4.00	5.73	4.20	0.00	0.56	1.77	3.99	11.93	6.38	59.92
1985	0.86	6.38	4.24	3.20	2.14	2.68	0.10	1.04	3.11	7.42	4.67	2.00	37.84
1986	9.44	5.12	4.75	2.97	3.53	0.68	1.72	0.59	4.51	4.34	10.30	3.97	51.92
1987	5.68	5.02	7.01	3.86	3.35	0.60	0.89	0.71	1.07	0.40	3.83	8.23	40.65
1988	5.96	2.45	6.61	4.81	4.57	3.97	0.56	0.73	3.18	3.44	12.12	4.77	53.17
1989	5.78	2.68	6.93	4.65	3.6	1.81	1.28	1.3	0.82	5.35	6.83	6.21	47.24
1990	10.1	5.35	5.5	3.15	3.8	4.78	1.62	2.01	0.27	7.13	14.83	5.13	63.67
1991	4.56	6.7	6.02	7.68	2.96	1.61	0.4	2.22	0.39	1.95	6.18	4.41	45.08
Averages	6.67	5.97	5.29	4.14	3.34	2.78	1.57	2.05	2.75	4.50	8.18	7.02	54.44

Notes:

[1] (all values in inches)

SUMMARY OF PRECIPITATION DATA FOR KING COUNTY SWM SITES
TOTAL MONTHLY AND ANNUAL PRECIPITATION
ISSAQUAH GROUND WATER MANAGEMENT PROGRAM

GAGE NO.	73	74	75	72	71
SWM NO.	14U	25V	25Y	46U	67U
DATE					
Oct-87	0.35	0.39	0.46	0.27	0.33
Nov-87	3.35	3.11	3.71	3.51	3.32
Dec-87	8.78	7.96	7.88	9.28	8.15
Annual	N/A	N/A	N/A	N/A	N/A
Jan-88	6.58	5.34	5.79	5.68	6.25
Feb-88	1.8	2.09	2.98	1.47	1.59
Mar-88	8.02	6.26	7.84	6.9	7.25
Apr-88	5.05	4.6	5.46	4.77	4.46
May-88	4.66	4.23	5.91	4.67	4.47
Jun-88	3.15	2.92	3.59	3.48	3.17
Jul-88	1.08	1.27	1.45	1.3	1.18
Aug-88	0.81	0.69	1.48	0.72	0.73
Sep-88	2.6	2.79	3.24	2.96	2.84
Oct-88	1.92	3.23	4.08	4.29	3.9
Nov-88	12.04	10.44	10.75	10.33	11
Dec-88	6.08	4.77	5.46	4.83	5.44
Annual	53.79	48.63	58.03	51.4	52.28
Jan-89	7.77	5.1	7.62	6.96	6.71
Feb-89	3.36	2.96	4.37	3.33	4.07
Mar-89	9.12	7.69	8.83	7.72	8.63
Apr-89	4.28	3.29	4.1	3.58	3.97
May-89	4.2	2.95	3.89	3.47	3.17
Jun-89	2.22	2.23	1.96	1.83	2.28
Jul-89	0.77	0.83	0.89	0.67	0.77
Aug-89	1.24	2	1.09	1.32	1.43
Sep-89	0.51	0.64	0.98	0.58	0.4
Oct-89	4.87	4.18	4.29	4.46	4.46
Nov-89	8.67	6.49	7.84	7.58	7.58
Dec-89	6.46	5.76	6.41	6.06	6.06
Annual	53.47	44.12	52.27	47.56	49.53
Jan-90	14.49	11.1	12.2	13.17	13.17
Feb-90	6.66	4.29	6.01	5.54	5.54
Mar-90	6.75	4.2	5.2	5.1	5.1
Apr-90	3.58	3.74	3.84	3.53	3.53
May-90	3.77	3.12	4.04	3.51	3.51
Jun-90	4.84	4.88	6.12	4.57	4.57
Jul-90	1.4	1.54	2.13	1.6	1.6
Aug-90	1.43	1.64	3.26	1.58	1.58
Sep-90	0.14	0.21	0.41	0.18	0.18
Oct-90	6.07	8.39	8.45	6.19	6.19
Nov-90	13.25	13.71	15.26	12.17	12.17
Dec-90	5.16	4.4	4.68	5.16	5.16
Annual	67.54	61.22	71.6	62.3	62.3
Jan-91	6.3	5.58	6.35	5.34	5.34
Feb-91	33.04	32.8	36.39	31.24	31.24
Mar-91	7.07	6.69	7.04	6.72	6.72
Apr-91	8.41	7.13	7.8	7.89	7.89
May-91	2.32	2.7	2.96	2.28	2.28
Jun-91	1.96	1.27	1.8	2.51	2.51
Jul-91	0.4	0.44	0.6	0.41	0.41
Aug-91	1.78	2.23	2.01	0.91	0.91
Sep-91	0.47	0.54	0.65	0.4	0.4
Annual	N/A	N/A	N/A	N/A	N/A

Notes:
[1] All values in inches.

SUMMARY OF PRECIPITATION DATA FOR DNR SITES
TOTAL MONTHLY AND ANNUAL PRECIPITATION
ISSAQUAH GROUND WATER MANAGEMENT PROGRAM

GAGE NO.	20	19	18	17
DNR NO.	IP 701	SP 201	SP 202	FP 602
DATE				
Dec-86	4.35			
Annual	N/A	N/A	N/A	N/A
Jan-87	9.02			
Feb-87	3.47			
Mar-87	6.98			
Apr-87	3.81			
May-87	2.86			
Jun-87	0.31			0.02
Jul-87	0.73	0.67		0.88
Aug-87	0.68	0.59		1.02
Sep-87	0.75	0.7		1.21
Oct-87	0.4	0.5		0.59
Nov-87	3.14	5.12	5.16	3.93
Dec-87	8.67	12.14	12.98	8.95
Annual	40.82	N/A	N/A	N/A
Jan-88	6.32	8.32	8.19	6.29
Feb-88	1.79	2.72	3.12	2.35
Mar-88	7.8	11.21	12.33	7.46
Apr-88	5.04	7.63	6.28	5.15
May-88	4.56	5.75	6.09	4.91
Jun-88	3.21	3.6	4.71	3.35
Jul-88	1.06	1.59	2.61	1.33
Aug-88	0.82	1.4	2.2	1.53
Sep-88	2.66	3.53	4.71	3.25
Oct-88	4.28	6.55	6.28	4.21
Nov-88	11.48	14.04	12.23	12.26
Dec-88	5.65	7.94	8.3	6.9
Annual	54.67	74.28	77.05	58.99
Jan-89	7.72	10.85	13.08	9.27
Feb-89	3.43	4.32	5.32	4.81
Mar-89	10.04	11.98	12.39	11.17
Apr-89	4.35	4.81	7.41	4.31
May-89	3.87	4.64	5.14	3.99
Jun-89	2.04	2.02	3.01	2.41
Jul-89	0.81	0.92	1.48	1.05
Aug-89	1.24	1.96	1.69	1.5
Sep-89	0.33	0.61	1.44	0.98
Oct-89	4.12	6.2	5.9	5.08
Nov-89	7.7	10.21	11.64	8.38
Dec-89	6.04	8.56	10.41	7.31
Annual	51.69	67.08	78.91	60.26
Jan-90	13.1	16.27	15.17	12.73
Feb-90	5.63	8.01	10.78	6.87
Mar-90	4.93	7.61	8.72	5.48
Apr-90	3.09	3.71	6.48	3.76
May-90	2.91	3.93	4.72	3.54
Jun-90	4.18	5.71	9.13	7.41
Jul-90	0.98	1.66	3.81	2.84
Aug-90	1.2	1.88	3.1	2.52
Sep-90	0.06	0.08	0.56	0.32
Oct-90	8.78	9.19	10.68	9.3
Nov-90	13.46	17.02	23.28	14.64
Dec-90	5.36	5.72	8.29	5.57
Annual	63.68	80.79	104.72	74.98
Jan-91	5.62	6.92	11.69	6.15
Feb-91	5.56	8.41	9.29	7.78
Mar-91	6.64	7.15	10.44	7.9
Apr-91	7.09	9	10.14	8.79
May-91	2.21	2.1	3.59	3.55
Jun-91	1.34	1.7	3.42	2.42
Jul-91	0.25	0.31	0.78	0.61
Aug-91	1.51	2.54	3.97	3.86

Notes:

[1] All values in inches.

APPENDIX B

SUMMARY OF STREAM FLOW DATA

ISSAQUAH GROUND WATER MANAGEMENT AREA

SUMMARY OF STREAM FLOW DATA FOR USGS SITES
AVERAGE MONTHLY AND ANNUAL STREAM FLOW
ISSAQUAH GROUND WATER MANAGEMENT PROGRAM

STATION NUMBER 12121510 EAST FORK ISSAQUAH CR AT MOUTH AT ISSAQUAH WASH

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Average
1975	---	---	---	---	---	40.4	28.1	19.8	8.6	5.34	6.33	5.34	---
1976	22.3	30	92.2	64.1	42.3	35.9	29.2	15.2	11	7.24	8.46	8.84	30.6
1977	8.56	10.5	18.8	18.8	11.5	32.7	16	13.8	13.7	5.52	5.22	7.31	13.5
1978	10.7	34.1	60.5	34.6	32	24.6	38.3	21.1	8.56	5.43	4.16	11.8	23.8
1979	6.77	26.7	39	23.9	60.7	25.2	19.3	8.93	4.55	3.98	2.74	3.39	18.8
1980	5.16	5.93	70	39.5	34.4	41.2	29.2	10.7	8.93	5.37	3.57	4.4	21.5
1981	4.38	39.8	57.5	23.5	47.1	24.8	39.9	20.7	17.3	---	---	---	---

STATION NUMBER 12121000 ISSAQUAH CREEK NEAR ISSAQUAH, WASH.

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Average
1945	---	---	---	---	---	---	---	---	---	19.4	16.1	41	---
1946	34.9	106	131	159	160	126	77.8	36.7	48.5	34.9	18.9	20.2	79.5
1947	33	91.8	205	116	138	70.6	75.4	30.7	37.9	22.2	16	28.7	72.1
1948	103	154	152	156	138	102	93.2	91	69.8	35.9	26.5	33.4	96.2
1949	56.8	109	150	70.5	169	95.5	58.4	42.5	22.4	18.9	15.6	14.8	68.6
1950	26.3	56.2	119	167	158	208	132	52.6	24.9	19	18.2	17.5	83.2
1951	47.4	116	145	171	252	91.5	43.5	39.1	25.1	15.8	14.2	14.5	81.3
1952	33.8	50.5	81.6	64.2	95.2	80.6	44.3	30.5	21.1	15.3	12.4	11.6	45.1
1953	11.8	12.9	17.2	145	119	56.8	61.6	58.4	55.3	25.2	18.5	15	49.7
1954	27.9	98.7	164	157	137	75.7	72.1	33.7	48.5	38	23.3	29.9	75.5
1955	21.4	52.4	74	85.9	109	66.9	113	70.3	43	38.6	26.2	19.9	60.1
1956	67.1	157	211	186	83.9	143	74.4	33	33.9	21.5	17.3	18.7	87.2
1957	55.4	58.5	130	69.5	143	140	69	39.9	29.5	21.5	18.2	14.5	65.8
1958	22.6	39.8	82.6	139	127	55.5	65	28.2	19.7	13.8	11.8	13.5	51.5
1959	18.8	77.7	129	185	90.7	81	92.2	66.7	40.9	26	16.5	39.8	72.0
1960	49.8	140	144	88.9	105	77.3	81.1	80.1	33.5	20.6	19.8	19.5	71.6
1961	32.1	150	77.7	124	216	144	100	85.5	35.1	25.2	17.5	20	85.6
1962	19.8	24.5	87.7	75.5	42.1	76.6	56.2	49.8	32.4	20	20	18.6	43.6
1963	31.5	83.8	121	83.2	105	65.2	96.5	47.1	38.1	29.6	19.7	18.4	61.6
1964	28.3	106	102	210	90.6	97	68	47.7	83.4	30.5	25.6	40.3	77.5

STATION NUMBER 12120600 ISSAQUAH CREEK NEAR HOBART, WASH.

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Average
1987	20.9	122	49.8	61.9	67.3	83	49	31.8	18.1	12.2	9.84	9.22	44.6
1988	8.55	12.6	36.3	44.4	48.7	60.4	71.6	45.1	42.8	16.8	11	11.7	34.2
1989	18.8	91.5	61.8	129	54.8	118	78.7	23.8	18.8	13.5	10.5	9.22	52.4
1990	12.2	46.6	66.4	109	103	61.1	31.9	31.5	69.3	23.3	16.5	11.2	48.5
1991	35	245	125	130	133	106	98.4	38.5	26	15.3	13.1	10.6	81.3

STATION NUMBER 12121720 LAUGHING JACOBS CREEK NEAR ISSAQUAH, WASH.

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Average
1987	1.16	12.1	8.06	11.4	14.1	12.8	3.76	1.4	0.42	0.25	0.17	0.15	5.5
1988	0.17	1.13	4.29	4.61	2.49	5.57	8.64	1.95	3	0.45	0.16	0.46	2.7

Notes:
[5] All values in cubic feet per second (cfs).

SUMMARY OF STREAM FLOW DATA FOR USGS SITES
AVERAGE MONTHLY AND ANNUAL STREAM FLOW
ISSAQUAH GROUND WATER MANAGEMENT PROGRAM

STATION NUMBER 12121600 ISSAQUAH CREEK NR MOUTH, NR ISSAQUAH, WASH.

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Average
1964	51.4	231	219	472	204	212	146	98.6	179	64.6	54.5	82	167.8
1965	68.3	217	342	338	349	116	129	94.7	55.3	35.5	32.1	35.1	151.0
1966	50.2	83.8	123	284	184	204	144	86.2	52.9	56.4	29.1	29.3	110.6
1967	51.4	110	324	420	241	179	160	94.1	47.5	31.2	25	24.9	142.3
1968	44.7	58.8	210	282	275	194	185	74.9	120	40	53.5	64.6	133.5
1969	90.9	166	359	393	265	178	155	112	97.9	53.6	32.8	64.9	164.0
1970	58.2	95.1	199	335	189	150	209	111	50.3	35.9	29.7	38.7	125.1
1971	47.2	113	366	426	241	322	187	106	94.5	63.7	33.7	50.4	170.9
1972	83	193	280	373	432	420	220	107	100	77	40.7	50.3	198.0
1973	36	77.5	318	235	116	130	91	69.8	66	37.8	25.9	30.4	102.8
1974	44.9	223	374	389	319	311	192	129	102	69.5	40.6	27.5	185.1
1975	28.2	92.7	204	406	291	231	152	100	56.2	42.3	48.6	40.2	141.0
1976	151	277	520	381	239	199	159	85.4	61.3	43.2	56.4	46.5	184.9
1977	41.2	60.7	107	115	76.2	165	81.5	78.9	75.3	29.8	35.3	47.8	76.1
1978	61.3	203	367	179	172	137	187	122	56	43.3	35	85.5	137.3
1979	44.2	153	209	121	321	154	111	63.8	35.8	31.6	26.5	28.7	108.3
1980	28.5	24.6	334	204	172	229	154	79.5	80	42.4	25.6	31.5	117.1
1981	29.1	192	323	147	258	127	185	146	139	66	41.2	47.8	141.8
1982	107	121	254	395	546	255	127	67.2	41.2	37.1	29.2	37	168.1
1983	58.8	113	287	384	173	203	118	65	54.9	71.7	39.3	57.3	135.4
1984	42.4	260	174	309	170	184	173	132	103	45.8	37.1	34.9	138.8
1985	38.5	169	203	110	137	107	133	79.2	90.9	31	27	28.1	96.1
1986	74.1	154	133	267	194	135	94.8	115	44.2	33.7	22.3	30.6	108.1
1987	49	280	130	170	206	227	130	68.3	36.8	26.6	20.4	19.1	113.6
1988	19.6	29.7	96.2	115	118	173	177	98	98.5	43.3	24.3	24.2	84.7
1989	46	208	160	278	128	266	236	68.5	48	34.3	26.3	22.1	126.8
1990	34.1	111	195	334	284	182	93.5	81.7	167	58.4	41.4	28.4	134.2
1991	151	440	520	472	546	420	280	146	179	77	45.4	85.5	280.2
Averages	58.2	159.2	261.8	297.6	244.5	207.5	157.5	95.7	83.3	47.2	35.0	42.6	140.8

STATION NUMBER 12121700 TIBBETTS CREEK NEAR ISSAQUAH, WASH.

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Average
1963	---	---	---	---	---	---	---	---	---	---	---	0.26	---
1964	1.12	13.8	13.1	34.1	10.7	13.1	6.77	2.4	6.04	1.19	0.74	1.47	8.7
1965	1.62	9.96	20.4	16.9	17.1	4.88	6.1	3.43	0.95	0.31	0.32	0.26	6.9
1966	0.9	4.36	9.81	19.3	9.9	12	8.28	2.88	0.58	0.65	0.2	0.26	5.8
1967	0.6	5.05	27.2	28.7	11.1	9.11	8.21	3.35	0.86	0.27	0.099	0.13	7.9
1968	0.7	1.33	7.99	14.5	13.8	10.3	8.46	2.15	4.26	0.52	0.57	1.13	5.5
1970	---	---	---	---	---	18.4	9.87	2.68	2.81	1.69	0.4	0.73	---
1971	1.84	8.63	16.1	20.7	34.4	29.2	12.4	4.03	2.7	1.29	0.59	0.75	11.1
1972	0.64	2.34	29.6	14.7	5.85	6.48	4.65	1.84	1.39	---	---	---	---
1973	0.94	13.8	28.8	25.4	15.2	17.9	12.1	---	---	---	---	---	---
1974	0.28	3.28	7.32	23.6	19.1	12.2	9.02	5.6	1.18	0.51	0.79	0.32	6.9
1975	6.32	10.6	31.8	17.8	12.8	8.88	6.94	2.82	1.18	0.58	0.83	0.99	8.5
1976	1.05	2.64	---	---	---	---	---	---	---	---	---	---	---

Notes:

{5} All values in cubic feet per second (cfs).

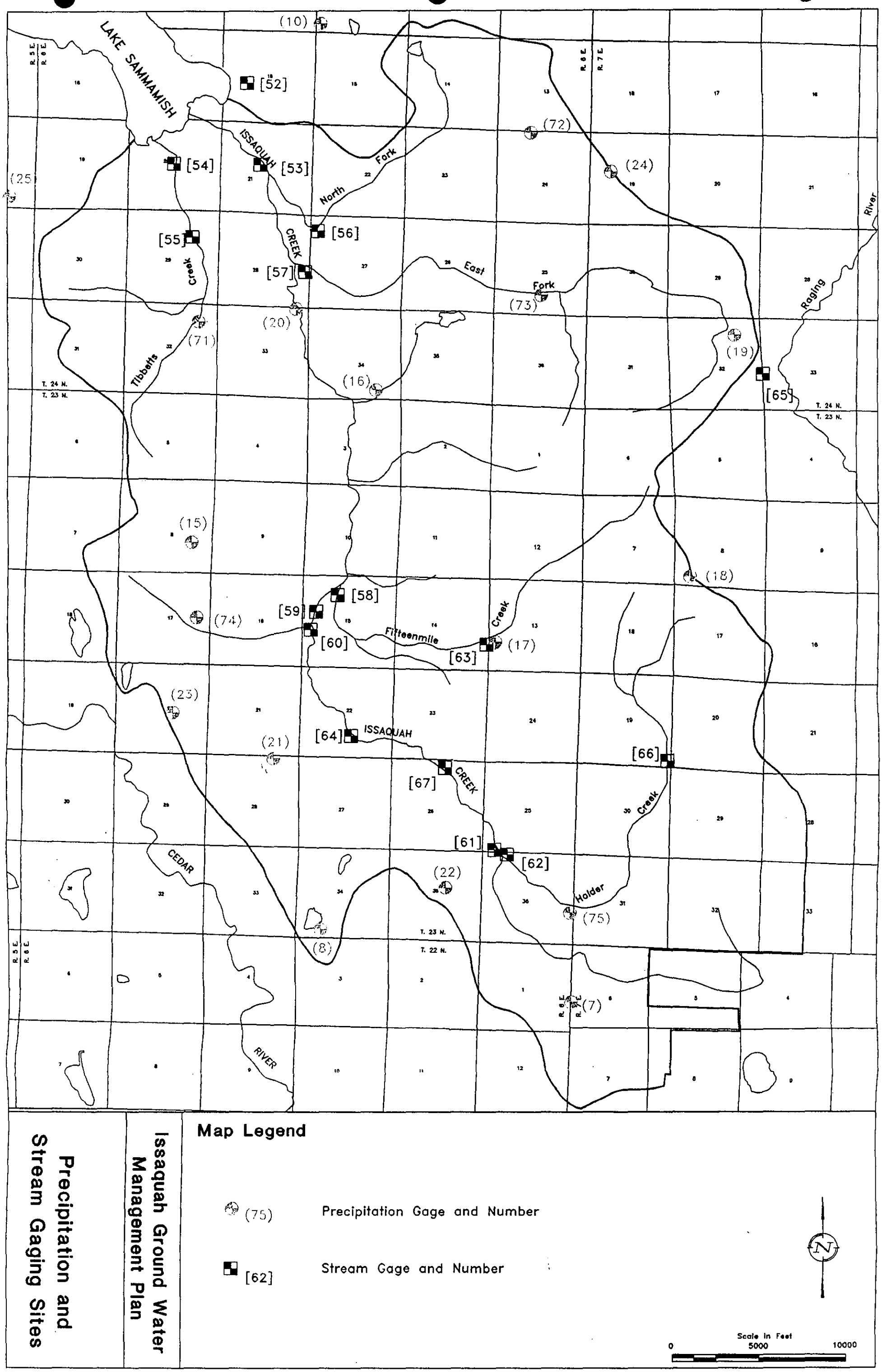
SUMMARY OF STREAM FLOW DATA FOR KING COUNTY SWM SITES
AVERAGE MONTHLY STREAM FLOW
ISSAQUAH GROUND WATER MANAGEMENT PROGRAM

GAGE NO.	57	58	60	62	61	56	54
SWM NO.	14A	25C	25D	25E	25F	46A	67A
DATE							
Oct-87	---	0.43	---	1.20	---	0.65	---
Nov-87	3.41	1.60	0.53	3.15	---	1.46	1.35
Dec-87	---	5.69	4.88	15.93	12.88	5.08	7.75
Annual Average	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jan-88	---	6.98	7.08	11.83	15.98	6.18	---
Feb-88	19.71	7.44	5.99	19.31	18.56	4.15	5.47
Mar-88	28.72	10.59	10.44	26.12	26.16	7.29	13.32
Apr-88	27.30	19.31	13.61	28.68	27.39	8.48	12.43
May-88	16.43	8.57	4.49	18.19	---	4.24	4.13
Jun-88	17.32	8.26	5.53	16.66	---	5.89	5.75
Jul-88	---	2.03	1.15	3.64	---	---	---
Aug-88	---	1.19	0.49	---	3.76	---	---
Sep-88	2.67	---	---	4.33	3.57	0.99	---
Oct-88	6.32	---	0.52	7.67	7.02	2.12	0.81
Nov-88	45.94	18.83	14.89	31.45	39.11	10.85	14.00
Dec-88	30.46	13.08	9.57	23.02	25.42	7.44	12.61
Annual Average	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Jan-89	62.78	28.63	18.84	49.37	48.48	13.84	20.77
Feb-89	17.95	---	---	17.95	24.95	8.15	12.48
Mar-89	40.84	10.82	---	39.42	45.50	11.23	24.94
Apr-89	38.29	21.28	---	36.20	34.32	9.88	14.20
May-89	9.85	3.76	---	10.27	11.56	3.03	2.68
Jun-89	7.16	3.10	1.13	6.94	8.72	1.62	1.01
Jul-89	3.85	1.79	0.63	4.23	5.64	1.57	0.59
Aug-89	3.75	1.24	0.64	2.61	3.63	1.87	---
Sep-89	2.85	0.69	0.50	2.15	---	1.17	---
Oct-89	4.32	3.17	0.69	5.52	7.14	2.70	---
Nov-89	26.01	20.68	5.33	13.33	21.26	6.80	---
Dec-89	26.50	19.32	18.69	33.45	23.81	14.06	---
Annual Average	20.35	N/A	N/A	18.45	N/A	6.33	N/A
Jan-90	68.25	36.57	31.84	93.70	37.51	38.67	---
Feb-90	72.25	29.84	16.22	56.68	39.79	14.10	---
Mar-90	51.29	22.63	10.17	24.71	26.58	13.89	16.33
Apr-90	17.27	8.87	3.72	13.77	15.40	4.91	4.92
May-90	13.77	6.04	2.51	13.27	14.20	3.68	3.78
Jun-90	28.56	15.59	9.47	29.15	26.71	8.58	10.98
Jul-90	6.13	4.64	1.23	9.80	7.75	1.97	0.91
Aug-90	4.51	1.93	0.50	4.91	---	1.26	---
Sep-90	3.89	1.56	0.55	4.13	---	1.49	0.13
Oct-90	10.39	7.47	1.29	16.08	---	4.76	2.90
Nov-90	85.21	52.28	24.19	227.68	56.57	22.29	---
Dec-90	35.60	20.89	11.70	23.61	33.15	6.99	7.64
Annual Average	33.09	17.36	9.45	43.12	N/A	10.22	N/A
Jan-91	43.28	23.12	16.36	35.99	34.33	13.75	17.23
Feb-91	41.56	23.47	17.64	41.79	37.54	8.02	21.97
Mar-91	40.10	20.58	19.34	25.13	34.30	10.44	20.41
Apr-91	55.00	27.16	24.00	27.73	---	26.33	23.42
May-91	13.69	7.48	4.40	12.02	14.87	3.47	3.55
Jun-91	---	---	1.92	---	---	2.79	1.55
Jul-91	2.91	---	0.80	---	---	1.95	0.59
Aug-91	3.03	---	0.45	---	---	1.91	---
Sep-91	3.11	---	0.47	---	---	1.90	---

Notes:
[1] All values in cubic feet per second (cfs).

APPENDIX B

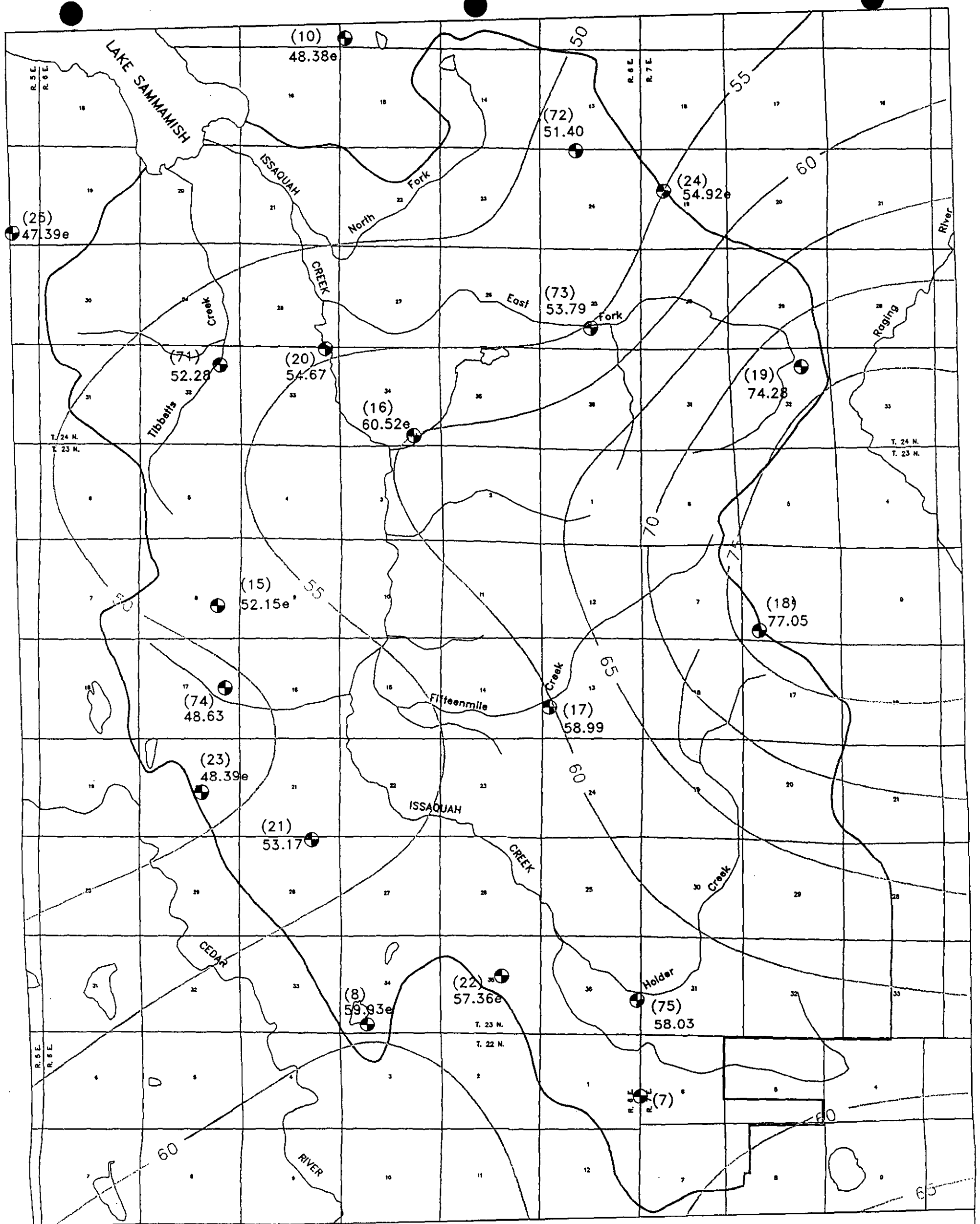
HYDROSTRATIGRAPHY



Issaquah Ground Water Management Plan

Precipitation and Stream Gaging Sites

FIGURE 2.1



Map Legend

(8)
59.93e

Precipitation Gage and Number
and 1988 Annual Precipitation in Inches
("e" indicates that value was estimated
from 1990 data)

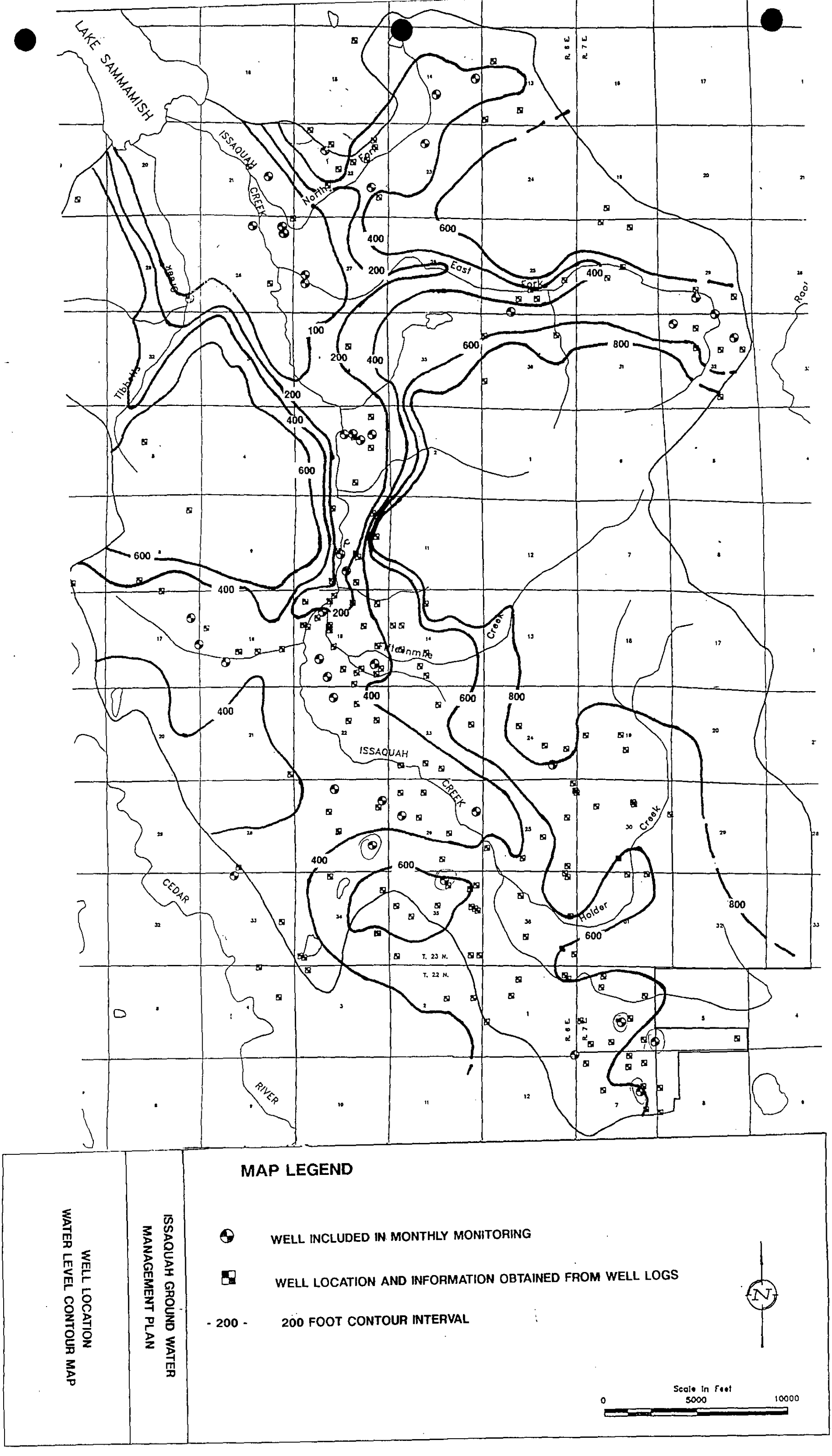
N

Scale In Feet
0 5000 10000

Issaquah Ground Water Management Plan

Precipitation Isohyetals 1988 Data Analysis

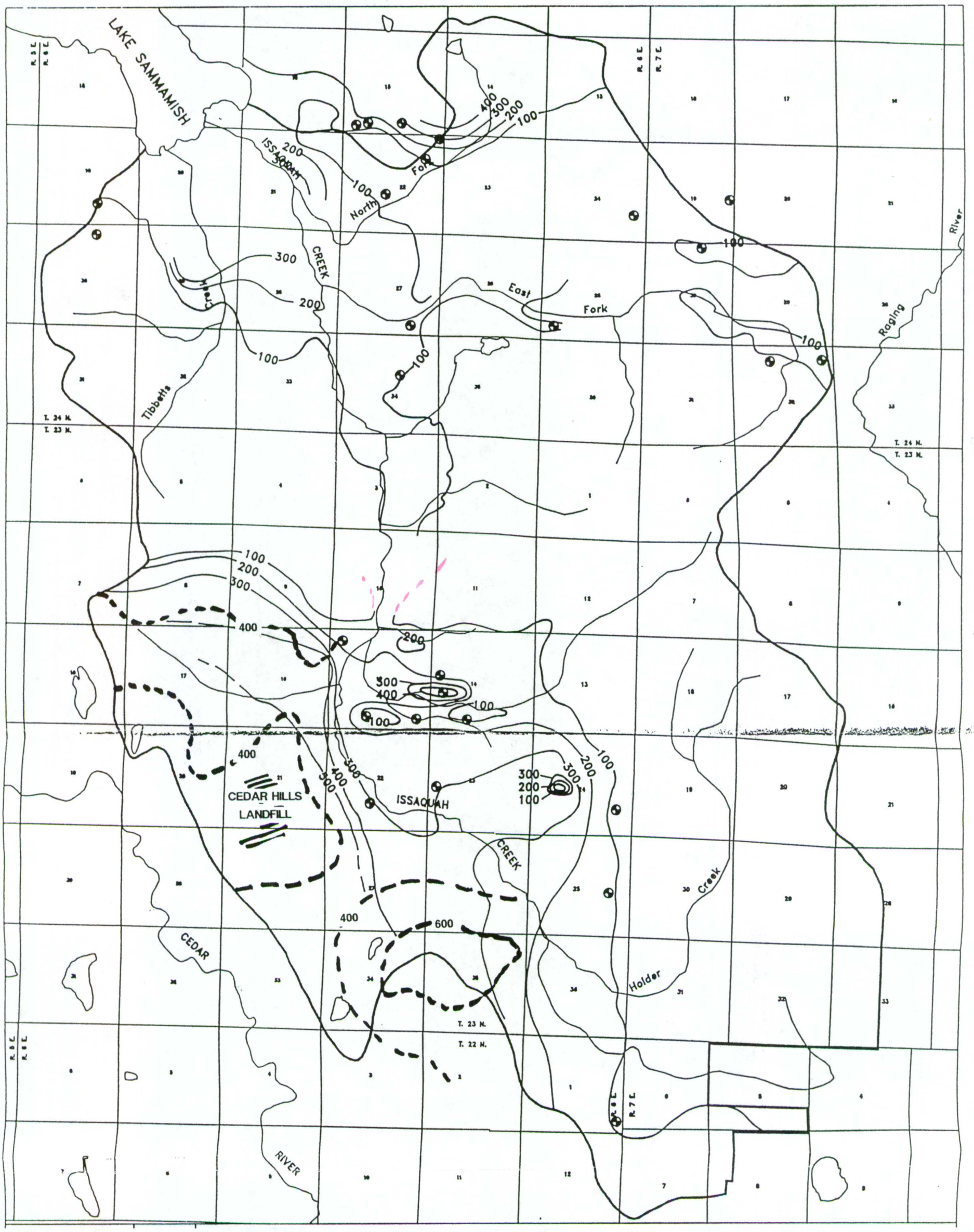
FIGURE 2.2



WELL LOCATION
WATER LEVEL CONTOUR MAP

ISSAQUAH GROUND WATER
MANAGEMENT PLAN

FIGURE 2.5



Note: Data and analysis provided by Mr. Derek Booth, King County.

N

SCALE IN MILES

0 ½ 1

WATER LEVEL CONTOURS

Location of Well That Penetrates Bedrock

100 Depth to Bedrock (Contour Interval 100 Feet)

Depth to Bedrock Contour Map

FIGURE 2.8

SITEID	472538121582501	LOCAL NUM.	22N/06E-01A01
LATITUDE	47d25m38s	LONGITUDE	121d58m25s
ALTITUDE	490.00	CONST. DATE	01/29/1981
WELL DEPTH	109.00	HOLE DEPTH	111.00
WATER LEVEL	61.00	W.L. DATE	01/29/1981
SCREEN INT.	105.00 - 109.00		
DRILLER	EVERGREEN		
WELL OWNER	JOHNSON, FRED		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-70	BROWN SANDY CLAY
3 :	70-80	BROWN COARSE SANDY OPEN HOLE DRLG
4 :	80-100	GRAY TILL COMPACT
5 :	100-109	COARSE TO FINE SAND VERY DIRTY
6 :	109-111	COARSE SAND COMPACT IN CLAY

SITEID	472538121582502	LOCAL NUM.	22N/06E-01A02
LATITUDE	47d25m38s	LONGITUDE	121d58m25s
ALTITUDE	490.00	CONST. DATE	07/02/1978
WELL DEPTH	87.00	HOLE DEPTH	87.00
WATER LEVEL	17.00	W.L. DATE	07/02/1978
DRILLER	NW PUMP		
WELL OWNER	COPE PERRY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-9	BROWN SAND & GRAVEL
2 :	9-59	BROWN SILTY SAND
3 :	59-83	BLUE SILTY SAND SMALL AMT WATER
4 :	83-87	WATER BEARING SAND AND GRAVEL

SITEID	472538121590601	LOCAL NUM.	22N/06E-01C03
LATITUDE	47d25m38s	LONGITUDE	121d59m06s
ALTITUDE	470.00	CONST. DATE	09/00/1986
WELL DEPTH	74.00	HOLE DEPTH	76.00
WATER LEVEL	26.00	W.L. DATE	04/30/1986
SCREEN INT.	69.00 - 74.00		
DRILLER	EVERGREEN		
WELL OWNER	LAWRENCE D		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-30	BROWN SANDY LOAM
2 :	30-70	GRAY GLACIAL TILL
3 :	70-74	W/B FINE SAND DIRTY
4 :	74-	TILL

SITEID	472526121592701	LOCAL NUM.	22N/06E-01E01
LATITUDE	47d25m26s	LONGITUDE	121d59m27s
ALTITUDE	510.00	CONST. DATE	08/14/1979
WELL DEPTH	59.00	HOLE DEPTH	59.00
WATER LEVEL	24.00	W.L. DATE	08/14/1979
DRILLER	NW PUMP		
WELL OWNER	LEWIS, DALE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	TOPSOIL
2 :	4-11	BROWN CEMENTED SAND & GRAVEL
3 :	11-16	BLUE CEMENTED SAND AND GRAVEL
4 :	16-26	BROWN TILL
5 :	26-56	BLUE TILL
6 :	56-69	WATER BEARING SAND AND GRAVEL

SITEID	472526121590701	LOCAL NUM.	22N/06E-01F01
LATITUDE	47d25m26s	LONGITUDE	121d59m07s
ALTITUDE	490.00	CONST. DATE	10/19/1978
WELL DEPTH	60.00	HOLE DEPTH	60.00
WATER LEVEL	6.00	W.L. DATE	10/19/1978
DRILLER	NW PUMP		
WELL OWNER	PUTNAM, LARRY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-5	BROWN SILT
3 :	5-13	BROWN TILL AND BOULDERS
4 :	13-16	BROWN TILL
5 :	16-21	WATER BEARING SAND AND GRAVEL
6 :	21-56	BLUE TILL
7 :	56-60	WATER BEARING SAND AND GRAVEL

SITEID	472526121590702	LOCAL NUM.	22N/06E-01F02
LATITUDE	47d25m26s	LONGITUDE	121d59m07s
ALTITUDE	490.00	CONST. DATE	09/18/1984
WELL DEPTH	82.00	HOLE DEPTH	82.00
WATER LEVEL	19.00	W.L. DATE	00/00/0000
SCREEN INT.	77.00 - 82.00		
DRILLER	B J DRILL CO		
WELL OWNER	SEREX, PAUL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	BROWN DARK TOPSOIL
2 :	1-16	BROWN SANDY CLAY
3 :	16-18	GRAY CLAY GRAVEL SAND
4 :	18-28	GRAY CLAY GRAVEL SAND LOOSE
5 :	28-43	GRAY CLAY LARGE ROCK GRAVEL SAND
6 :	43-56	BROWN CLAY ROCK GRAVEL SAND
7 :	56-66	BROWN GRAY SAND SILT CLAY HEAVING
8 :	66-69	GRAY SAND SILT CLAY HEAVING
9 :	69-73	GRAY SAND CLAY SILT HEAVING
10 :	73-79	GRAY CLAY LAYERS SAND SILT W WATER
11 :	79-82	GRAY SAND SILT CLAY LAYER WATER

SITEID	472529121591201	LOCAL NUM.	22N/06E-01F03
LATITUDE	47d25m29s	LONGITUDE	121d59m12s
ALTITUDE	470.00	CONST. DATE	03/18/1986
WELL DEPTH	36.00	HOLE DEPTH	36.00
WATER LEVEL	4.00	W.L. DATE	03/18/1986

DRILLER JOHNSON
WELL OWNER EVANS, CLAUDE R

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	BROWN SURFACE
2 :	4-8	BROWN CLAY GRAVEL
3 :	8-22	GRAY CLAY GRAVEL
4 :	22-36	GRAY WATER GRAVEL
5 :	36-	GRAY GRAVEL

SITEID	472526121584701	LOCAL NUM.	22N/06E-01G03
LATITUDE	47d25m26s	LONGITUDE	121d58m47s
ALTITUDE	530.00	CONST. DATE	08/23/1980
WELL DEPTH	98.00	HOLE DEPTH	98.00
WATER LEVEL	45.00	W.L. DATE	08/23/1980
SCREEN INT.	93.00 - 98.00		
DRILLER	NW PUMP		
WELL OWNER	STENDER, BERNARD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	TOPSOIL
2 :	1-5	BROWN TILL & COBBLES
3 :	5-13	BROWN TILL
4 :	13-62	BLUE TILL
5 :	62-74	BROWN TILL
6 :	74-85	BROWN SILTY S & G SMALL AMT WATER
7 :	85-98	WATER BEARING SAND AND GRAVEL

SITEID	472436121582801	LOCAL NUM.	22N/06E-12H03
LATITUDE	47d29m36s	LONGITUDE	121d58m28s
ALTITUDE	660.00	CONST. DATE	05/00/1980
WELL DEPTH	205.00	HOLE DEPTH	207.00
WATER LEVEL	187.00	W.L. DATE	05/09/1980
DRILLER	EVERGREEN		
WELL OWNER	ANDERSON		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-14	BROWN TILL COMPACT
3 :	14-120	GRAY TILL COMPACT
4 :	120-180	GRAY CLAY
5 :	180-201	BROWN TILL COMPACT
6 :	201-202	CHOCOLATE BROWN CLAY
7 :	202-205	WATER BEARING SAND & GRAVEL
8 :	205-207	BROWN TILL IN CLAY

SITEID	472424121582801	LOCAL NUM.	22N/06E-12J01
LATITUDE	47d24m24s	LONGITUDE	121d58m28s
ALTITUDE	690.00	CONST. DATE	08/17/1977
WELL DEPTH	146.00	HOLE DEPTH	146.00
WATER LEVEL	135.00	W.L. DATE	08/17/1977
DRILLER	JOHNSON		
WELL OWNER	KARHEUER DALE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-14	BROWN SANDY CLAY
3 :	14-18	BROWN HARDPAN GRAVEL
4 :	18-36	BLUE CLAY
5 :	36-73	BLUE GRAY HARDPAN
6 :	73-100	BLUE CLAY
7 :	100-137	BROWN HARDPAN GRAVEL
8 :	137-146	BROWN HARDPACKED GRAVEL (WATER)

SITEID	472424121582802	LOCAL NUM.	22N/06E-12J02
LATITUDE	47d24m24s	LONGITUDE	121d58m28s
ALTITUDE	690.00	CONST. DATE	06/20/1984
WELL DEPTH	178.00	HOLE DEPTH	178.00
WATER LEVEL	152.00	W.L. DATE	06/20/1984
DRILLER	JOHNSON		
WELL OWNER	KECHEVAR, JOSEPH		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-8	SURFACE
2 :	8-17	BROWN CLAY
3 :	17-98	GRAY HARDPAN ROCKS
4 :	98-117	GRAY CLAY
5 :	117-157	GRAY HARDPAN
6 :	157-171	BROWN HARDPAN
7 :	171-178	BROWN WATER SAND AND GRAVEL

SITEID	472831122021801	LOCAL NUM.	22N/06E-16R01
LATITUDE	47d28m31s	LONGITUDE	122d02m18s
ALTITUDE	500.00	CONST. DATE	07/18/1986
WELL DEPTH	258.00	HOLE DEPTH	258.00
WATER LEVEL	246.67	W.L. DATE	07/18/1986
SCREEN INT.	258.00 - 258.00		
DRILLER	CABLE TOOL		
WELL OWNER	PEEK JAMES		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-6	GRAVEL BROWN DRY LARGE COBBLES
2 :	6-25	CLAY BROWN VERY GRAVELLY
3 :	25-175	GRAVEL, BROWN, DRY
4 :	175-185	SAND, ORANGE, DRY
5 :	185-210	GRAVEL, BROWN, DRY
6 :	210-212	GRAVEL, ORANGE/BROWN DRY
7 :	212-256	GRAVEL, GREEN/BROWN DRY
8 :	256-258	GRAVEL, BROWN WITH WATER
9 :	258-260	GRAVEL, BROWN TIGHT, NO WATER

SITEID	472745121570401	LOCAL NUM.	22N/07E-05N01
LATITUDE	4d72m74s	LONGITUDE	121d57m04s
ALTITUDE	700.00	CONST. DATE	11/14/1974
WELL DEPTH	101.00	HOLE DEPTH	0.00
WATER LEVEL	50.00	W.L. DATE	11/14/1974

SCREEN INT. 101.00 - 0.00
DRILLER JOHNSON
WELL OWNER MC DERMOND CHARLES

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-11	DRY HARDPAN GRAVEL
3 :	11-24	GRAY HARDPAN & BOULDERS
4 :	24-97	BROWN HARDPAN GRAVEL PACKS
5 :	97-98	WATER SEAM

SITEID 472746121570501 LOCAL NUM. 22N/07E-05N02
LATITUDE 4d72m74s LONGITUDE 121d57m05s
ALTITUDE 700.00 CONST. DATE 09/17/1974
WELL DEPTH 96.00 HOLE DEPTH 0.00
WATER LEVEL 66.00 W.L. DATE 09/23/1974
SCREEN INT. 86.00 - 96.00
DRILLER JOHNSON
WELL OWNER CLARK, MAURICE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-14	BROWN HARDPAN ROCK
3 :	14-43	GRAY HARDPAN ROCK
4 :	43-86	BROWN HARDPAN
5 :	86-	SEAM WATER

SITEID 472504121570301 LOCAL NUM. 22N/07E-05N03
LATITUDE 47d25m04s LONGITUDE 121d57m03s
ALTITUDE 760.00 CONST. DATE 11/19/1976
WELL DEPTH 372.00 HOLE DEPTH 372.00
WATER LEVEL 130.00 W.L. DATE 11/24/1976
SCREEN INT. 18.00 - 372.00
DRILLER RICHARDSON
WELL OWNER KILTZ, R.M.

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	FILL & TOPSOIL
2 :	2-12	BOULDERS CLAY & GRAVEL
3 :	12-14	BOULDER
4 :	14-19	WHITE SANDSTONE
5 :	19-26	GREEN SANDSTONE
6 :	26-31	GRAY SANDSTONE
7 :	31-40	GREEN SANDSTONE
8 :	40-82	BROWN SHALE
9 :	82-90	GRAY SANDSTONE
10 :	90-93	GREEN SANDSTONE
11 :	93-137	LIGHT GRAY SANDSTONE
12 :	137-151	GRAY SANDSTONE
13 :	151-163	LIGHT BROWN SHALE AND A LITTLE H2O
14 :	163-168	WHITE SANDSTONE
15 :	168-216	GRAY SANDSTONE
16 :	216-258	WHITE SANDSTONE
17 :	258-284	GRAY SANDSTONE AND WATER
18 :	284-350	LIGHT GRAY SANDSTONE
19 :	350-372	WHITE SOFT SANDSTONE

See 07H02

SITEID 472505121564601 LOCAL NUM. 22N/07E-05P01
LATITUDE 47d25m05s LONGITUDE 121d56m46s
ALTITUDE 760.00 CONST. DATE 06/07/1976
WELL DEPTH 260.00 HOLE DEPTH 263.00
WATER LEVEL 101.00 W.L. DATE 06/07/1976
DRILLER RICHARDSON
WELL OWNER PETERSON, J. E.

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SANDY TOPSOIL
2 :	2-5	CLAY & GRAVEL
3 :	5-22	CLAY AND BOULDERS
4 :	22-23	BOULDER
5 :	23-53	HARDPAN AND BOULDERS
6 :	53-74	BOULDER CLAY AND GRAVEL
7 :	74-80	SOFT GRAY SANDSTONE
8 :	80-176	GREEN SANDSTONE
9 :	176-238	GRAY SANDSTONE
10 :	238-245	GRANITE AND WATER
11 :	245-251	HARD GRAY GRANITE
12 :	251-263	WATER AND GRANITE

SITEID 472505121564602 LOCAL NUM. 22N/07E-05P02
LATITUDE 47d25m05s LONGITUDE 121d56m46s
ALTITUDE 760.00 CONST. DATE 08/31/1977
WELL DEPTH 220.00 HOLE DEPTH 220.00
WATER LEVEL 31.00 W.L. DATE 09/02/1977
DRILLER NW PUMP
WELL OWNER HAND, JIM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-15	BROWN SAND & GRAVEL & COBBLES
3 :	15-61	BROWN TILL
4 :	61-115	BLUE BASALT
5 :	115-220	BLACK BASALT

SITEID 472505121564603 LOCAL NUM. 22N/07E-05P03
LATITUDE 47d25m05s LONGITUDE 121d56m41s
ALTITUDE 760.00 CONST. DATE 11/20/1978
WELL DEPTH 120.00 HOLE DEPTH 120.00
WATER LEVEL 75.00 W.L. DATE 11/20/1978
DRILLER JOHNSON
WELL OWNER SCHNOBERGER, JAMES

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-11	BROWN CLAY SHOCKED GRAVEL
3 :	11-39	GRAY HARDPAN ROCKS
4 :	39-67	BROWN HARDPAN ROCKS
5 :	67-98	BROWN HARDPAN GRAVEL

6 :	98-114	BROWN HARDPACKED GRAVEL
7 :	114-120	BROWN WATER SAND AND GRAVEL

SITEID	472745121562501	LOCAL NUM.	22N/07E-05Q01
LATITUDE	4d72m74s	LONGITUDE	121d56m25s
ALTITUDE	800.00	CONST. DATE	08/05/1974
WELL DEPTH	118.00	HOLE DEPTH	0.00
WATER LEVEL	110.00	W.L. DATE	08/05/1974
DRILLER	RICHARDSON W		
WELL OWNER	NELSON		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-12	GRAVEL & BOULDERS
3 :	12-14	BOULDERS
4 :	14-54	HARDPAN AND BOULDERS
5 :	54-65	CLAY AND SOME GRAVEL
6 :	65-73	CLAY AND GRAVEL
7 :	73-79	BROWN CLAY
8 :	79-91	GREEN CLAY AND SOME GRAVEL
9 :	91-96	SOFT GREEN ROCK
10 :	96-99	HARD GREEN ROCK
11 :	99-115	YELLOW CLAY AND GRAVEL
12 :	115-117	BOULDER
13 :	117-125	GRAVEL WATER

SITEID	472746121562601	LOCAL NUM.	22N/07E-05Q02
LATITUDE	4d72m74s	LONGITUDE	121d56m26s
ALTITUDE	800.00	CONST. DATE	08/12/1974
WELL DEPTH	265.00	HOLE DEPTH	0.00
WATER LEVEL	210.00	W.L. DATE	08/12/1974
DRILLER	RICHARDSON		
WELL OWNER	CAMLEM		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-9	GRAVEL CLAY & BOULDERS
3 :	9-18	CLAY AND GRAVEL
4 :	18-20	BOULDER
5 :	20-43	HARDPAN
6 :	43-45	CLAY AND GRAVEL
7 :	45-52	HARDPAN
8 :	52-65	HARD BLACK ROCK
9 :	65-68	HARDPAN
10 :	68-84	GREEN ROCK
11 :	84-87	LIGHT GREEN ROCK
12 :	87-104	WHITE SANDSTONE
13 :	104-137	LIGHT GRAY SANDSTONE SEEPAGE
14 :	137-157	LIGHT BROWN SANDSTONE
15 :	157-183	LIGHT GRAY SANDSTONE
16 :	183-187	BLACK ROCK
17 :	187-238	MULTI COLORED ROCK
18 :	238-257	LIGHT GREEN HARD ROCK
19 :	257-265	BLACK ROCK WATER

SITEID	472504121560601	LOCAL NUM.	22N/07E-05R01
LATITUDE	47d25m04s	LONGITUDE	121d56m06s
ALTITUDE	940.00	CONST. DATE	09/15/1976
WELL DEPTH	208.00	HOLE DEPTH	208.00
WATER LEVEL	105.00	W.L. DATE	09/15/1976
DRILLER	RICHARDSON		
WELL OWNER	MERRICK DAVID C		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	TOPSOIL & GRAVEL
2 :	1-3	BOULDERS CLAY & GRAVEL
3 :	3-16	CLAY, GRAVEL AND BOULDERS
4 :	16-34	GRAY SOFT ROCK
5 :	34-36	SEEPAGE AND RED ROCK
6 :	36-79	GREEN SANDSTONE
7 :	79-132	GRAY SANDSTONE
8 :	132-141	LIGHT GRAY SANDSTONE
9 :	141-178	BROWN SHALE
10 :	178-185	WATER AND GREEN SANDSTONE
11 :	185-208	WATER AND GRAY SANDSTONE

SITEID	472504121560602	LOCAL NUM.	22N/07E-05R02
LATITUDE	47d25m04s	LONGITUDE	121d56m06s
ALTITUDE	950.00	CONST. DATE	01/09/1987
WELL DEPTH	390.00	HOLE DEPTH	390.00
WATER LEVEL	200.00	W.L. DATE	01/09/1987
SCREEN INT.	240.00 - 385.00		
DRILLER	JOHNSON		
WELL OWNER	BARTHOLOMEW, TIMOTHY E		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-11	TAN SAND & GRAVEL
3 :	11-19	GRAY DECAYED ROCK
4 :	19-150	GRAY ROCK SHALE
5 :	150-155	BROWN ROCK SHALE
6 :	155-260	GRAY ROCK SHALE
7 :	260-270	GREEN ROCK
8 :	270-312	GRAY ROCK
9 :	312-360	BLUE GRAY ROCK WATER SEEPAGE
10 :	360-390	GRAY ROCK DRY

SITEID	472504121560603	LOCAL NUM.	22N/07E-05R03
LATITUDE	47d25m04s	LONGITUDE	121d56m06s
ALTITUDE	920.00	CONST. DATE	02/09/1979
WELL DEPTH	300.00	HOLE DEPTH	300.00
WATER LEVEL	205.00	W.L. DATE	02/09/1979
SCREEN INT.	220.00 - 300.00		
DRILLER	JOHNSON		
WELL OWNER	MCDONALD THOMAS D		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-15	BROWN CLAY ROCKS
3 :	15-48	GRAY HARD SOLID ROCK

4 :	48-93	BROWN ROCK
5 :	93-167	GRAY SOLID ROCK
6 :	167-200	BROWN ROCK
7 :	200-240	GRAY ROCK
8 :	240-300	GRAY WATER ROCK

SITEID	472537121572301	LOCAL NUM.	22N/07E-06A01
LATITUDE	47d25m37s	LONGITUDE	121d57m23s
ALTITUDE	630.00	CONST. DATE	05/29/1985
WELL DEPTH	47.00	HOLE DEPTH	47.00
WATER LEVEL	-3.31	W.L. DATE	06/24/1985
DRILLER	B J DRILL CO		
WELL OWNER	SMITH W BRITT		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	LIGHT BROWN SAND CLAY GRAVEL
2 :	12-18	GRAY SAND CLAY CEMENTED
3 :	18-20	BROWN CLAY SAND LOOSE
4 :	20-48	BROWN SAND (HEAVING) WATER
5 :	48-50	BROWN CLAY SAND

SITEID	472539121575601	LOCAL NUM.	22N/07E-06C01
LATITUDE	47d25m39s	LONGITUDE	121d57m56s
ALTITUDE	560.00	CONST. DATE	02/08/1979
WELL DEPTH	238.00	HOLE DEPTH	238.00
WATER LEVEL	44.50	W.L. DATE	02/08/1978
DRILLER	OELKE		
WELL OWNER	HOLDER, JIM		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-45	FINE TAN SAND W SILT
3 :	45-133	GRAY FINE SILTY SAND
4 :	133-235	BROWN MED SAND
5 :	235-238	BROWN SANDY GRAVEL WATER

SITEID	472539121575602	LOCAL NUM.	22N/07E-06C02
LATITUDE	47d25m39s	LONGITUDE	121d57m56s
ALTITUDE	565.00	CONST. DATE	11/08/1978
WELL DEPTH	60.00	HOLE DEPTH	60.00
WATER LEVEL	29.00	W.L. DATE	11/08/1978
DRILLER	JOHNSON		
WELL OWNER	JOHNSON, DARRELL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-54	BROWN CLAY
3 :	54-60	BROWN WATER SAND AND GRAVEL

SITEID	472539121580901	LOCAL NUM.	22N/07E-06D01
LATITUDE	47d25m39s	LONGITUDE	121d58m09s
ALTITUDE	500.00	CONST. DATE	06/20/1980
WELL DEPTH	250.50	HOLE DEPTH	250.50
WATER LEVEL	48.00	W.L. DATE	06/20/1980
DRILLER	OELKE		
WELL OWNER	SCHABY PAUL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	BROWN SANDY TOPSOIL
2 :	2-20	WET BROWN SILTY CLAY
3 :	20-120	WET BLUE GRAY SILTY CLAY
4 :	120-135	BLUE GRAY SANDY WET CLAY
5 :	135-165	FINE GRAY WET HEAVING SAND
6 :	165-244	FINE BROWN HEAVING SAND
7 :	244-251	BROWN SANDY GRAVEL

SITEID	472533121575801	LOCAL NUM.	22N/07E-06D01
LATITUDE	47d25m33s	LONGITUDE	121d57m58s
ALTITUDE	530.00	CONST. DATE	02/02/1987
WELL DEPTH	72.00	HOLE DEPTH	72.00
WATER LEVEL	30.00	W.L. DATE	02/02/1987
DRILLER	AURDAL D CO		
WELL OWNER	STORAY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	SILTY SAND
2 :	5-25	TILL
3 :	25-60	SAND & GRAVEL
4 :	60-72	WATER BEARING SAND GRAVEL

SITEID	472527121581001	LOCAL NUM.	22N/07E-06E04
LATITUDE	47d25m27s	LONGITUDE	121d58m10s
ALTITUDE	540.00	CONST. DATE	06/07/1988
WELL DEPTH	74.00	HOLE DEPTH	74.00
WATER LEVEL	38.00	W.L. DATE	06/07/1988
SCREEN INT.	70.00 - 74.00		
DRILLER	EVERGREEN		
WELL OWNER	COWAN TED		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-25	BROWN CLAY SANDY COMPACT
3 :	25-60	BROWN SANDY LOAM (COMPACT)
4 :	60-74	FINE PROGRESSIVELY GETTING CLEANER
5 :	74-75	GRAY CLAY WITH GRAVEL
6 :	-	
7 :	-	

SITEID	472755121574001	LOCAL NUM.	22N/07E-06F01
LATITUDE	4d72m75s	LONGITUDE	121d57m40s
ALTITUDE	767.00	CONST. DATE	01/01/1974
WELL DEPTH	125.00	HOLE DEPTH	0.00
WATER LEVEL	55.00	W.L. DATE	01/21/1974
DRILLER	EVERGREEN DR		

WELL OWNER BOEOMAN

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-50	YELLOW CLAY MASTIC
2 :	50-114	GRAY CLAY MASTIC
3 :	114-121	GRAY SAND WITH BINDER
4 :	121-125	WATER BEARING COARSE SAND

SITEID	472527121574001	LOCAL NUM.	22N/07E-06G01
LATITUDE	47d25m27s	LONGITUDE	121d57m40s
ALTITUDE	530.00	CONST. DATE	11/09/1979
WELL DEPTH	120.00	HOLE DEPTH	120.00
WATER LEVEL	90.00	W.L. DATE	11/09/1979
SCREEN INT.	115.00 - 120.00		
DRILLER	CABLE TOOL		
WELL OWNER	TUREK, THOMAS		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-10	BROWN SANDY CLAY
2 :	10-101	BROWN CLAY
3 :	101-120	BROWN WATER BEARING SAND

SITEID	472528121572201	LOCAL NUM.	22N/07E-06H01
LATITUDE	47d25m28s	LONGITUDE	121d57m22s
ALTITUDE	600.00	CONST. DATE	01/09/1981
WELL DEPTH	101.00	HOLE DEPTH	102.00
WATER LEVEL	65.00	W.L. DATE	01/09/1981
SCREEN INT.	96.00 - 101.00		
DRILLER	EVERGREEN		
WELL OWNER	SPEIKER, PETER		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-60	BROWN CLAY
2 :	60-80	BROWN SANDY CLAY
3 :	80-83	CHOC BROWN CLAY
4 :	83-85	LIGHT BROWN SANDY CLAY
5 :	85-95	SANDY
6 :	95-101	PROGRESSIVELY GETTING CLEANER
7 :	101-102	DIRTY SANDY CLAY OPEN HOLE

SITEID	472528121572202	LOCAL NUM.	22N/07E-06H02
LATITUDE	47d25m28s	LONGITUDE	121d57m22s
ALTITUDE	600.00	CONST. DATE	01/20/1981
WELL DEPTH	93.00	HOLE DEPTH	105.00
WATER LEVEL	50.00	W.L. DATE	01/20/1981
SCREEN INT.	89.00 - 93.00		
DRILLER	EVERGREEN		
WELL OWNER	MASSEY, JACK		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	OVERBURDEN
2 :	3-28	BROWN CLAY
3 :	28-40	BROWN SANDY CLAY
4 :	40-70	BROWN COARSE SANDY CLAY
5 :	70-93	TIGHT DIRTY SAND
6 :	93-98	GRAY CLAY WITH GRAVEL
7 :	98-100	GREEN ROCK IN CLAY
8 :	100-105	GREEN ROCK SOLID

SITEID	472528121572203	LOCAL NUM.	22N/07E-06H03
LATITUDE	47d25m28s	LONGITUDE	121d57m22s
ALTITUDE	600.00	CONST. DATE	03/29/1985
WELL DEPTH	123.00	HOLE DEPTH	123.00
WATER LEVEL	61.00	W.L. DATE	03/29/1985
SCREEN INT.	68.00 - 120.00		
DRILLER	JOHNSON		
WELL OWNER	GEORGE RICHARD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-40	BROWN SAND
3 :	40-65	BROWN SAND GRAVEL
4 :	65-70	DARK GRAY SOLID ROCK
5 :	70-80	GRAY ROCK SEEPAGE
6 :	80-100	GRAY ROCK
7 :	100-110	GRAY ROCK SEEPAGE
8 :	110-123	GRAY ROCK

SITEID	472528121572204	LOCAL NUM.	22N/07E-06H04
LATITUDE	47d25m28s	LONGITUDE	121d57m22s
ALTITUDE	600.00	CONST. DATE	04/00/1982
WELL DEPTH	170.00	HOLE DEPTH	170.00
WATER LEVEL	60.00	W.L. DATE	04/19/1982
SCREEN INT.	154.00 - 169.00		
DRILLER	EVERGREEN		
WELL OWNER	KRAUSE WILLIAM		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-50	BROWN COMPACT SANDY CLAY
2 :	50-53	LENSES OF BR S & G IN CLAY COMPACT
3 :	53-63	BROWN SAND & GRAVEL IN CLAY
4 :	63-130	GRAY SAND & GRAVEL IN CLAY
5 :	130-152	CHOCOLATE BROWN SAND GRAVEL & CLAY
6 :	152-170	HARD ROCK

SITEID	472515121572501	LOCAL NUM.	22N/07E-06J02
LATITUDE	47d25m15s	LONGITUDE	121d57m25s
ALTITUDE	610.00	CONST. DATE	11/13/1981
WELL DEPTH	125.00	HOLE DEPTH	125.00
WATER LEVEL	60.00	W.L. DATE	11/13/1981
DRILLER	JOHNSON		
WELL OWNER	HORNBERG TOM		

INT NO.	INTVL(FT)	DESCRIPTION

1 :	0-2	SURFACE
2 :	2-18	BROWN CLAY
3 :	18-75	BROWN SAND
4 :	75-87	BROWN SILTY SAND
5 :	87-97	GRAY SILT
6 :	97-125	GRAY WATER SAND AND GRAVEL

SITEID	472746121573601	LOCAL NUM.	22N/07E-06K02
LATITUDE	4d72m74s	LONGITUDE	121d57m36s
ALTITUDE	549.00	CONST. DATE	01/01/1972
WELL DEPTH	107.00	HOLE DEPTH	0.00
WATER LEVEL	87.00	W.L. DATE	01/01/1972
DRILLER	EVERGREEN DR		
WELL OWNER	BAIRD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-10	TILL COMPACT
2 :	10-60	BROWN SANDY LOAM COMPACT
3 :	60-101	TILL COMPACT W SOME ROCKS
4 :	101-104	SAND & GRAVEL DIRTY TIGHT W WATER
5 :	104-107	SAND & GRAVEL CLEAN W WATER

SITEID	472516121573401	LOCAL NUM.	22N/07E-06K03
LATITUDE	47d25m16s	LONGITUDE	121d57m34s
ALTITUDE	590.00	CONST. DATE	03/18/1980
WELL DEPTH	117.00	HOLE DEPTH	117.00
WATER LEVEL	60.00	W.L. DATE	03/17/1980
DRILLER	JOHNSON		
WELL OWNER	NOVOTNY JOHN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-52	BROWN CLAY
3 :	52-110	BROWN SAND & GRAVEL
4 :	110-117	BROWN WATER SAND AND GRAVEL

SITEID	472516121573402	LOCAL NUM.	22N/07E-06K04
LATITUDE	47d25m16s	LONGITUDE	121d57m34s
ALTITUDE	590.00	CONST. DATE	05/27/1987
WELL DEPTH	140.00	HOLE DEPTH	140.00
WATER LEVEL	30.00	W.L. DATE	05/27/1987
DRILLER	NORTHWEST		
WELL OWNER	BAIN JIM		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-96	BROWN SILTY SAND
3 :	96-115	BL TILL
4 :	115-124	BR TILL
5 :	124-140	W B S G

SITEID	472515121575301	LOCAL NUM.	22N/07E-06L01
LATITUDE	47d25m15s	LONGITUDE	121d57m53s
ALTITUDE	580.00	CONST. DATE	06/00/1982
WELL DEPTH	75.00	HOLE DEPTH	75.00
WATER LEVEL	38.00	W.L. DATE	06/02/1982
SCREEN INT.	72.00 - 75.00		
DRILLER	EVERGREEN		
WELL OWNER	JUSTISS J E		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-15	BROWN SANDY CLAY
2 :	15-38	BROWN SANDY LOAM
3 :	38-40	GRAY CLAY W GRAVEL
4 :	40-45	TIGHT GRAY CLAY & SAND
5 :	45-49	FINE TO COARSE SAND
6 :	49-55	TIGHT GRAY CLAY
7 :	55-72	GRAY CLAY & GRAVEL
8 :	72-75	SAND W WATER

SITEID	472515121575302	LOCAL NUM.	22N/07E-06L02
LATITUDE	47d25m15s	LONGITUDE	121d57m53s
ALTITUDE	580.00	CONST. DATE	12/00/1982
WELL DEPTH	110.00	HOLE DEPTH	110.00
WATER LEVEL	70.00	W.L. DATE	12/00/1982
SCREEN INT.	106.00 - 110.00		
DRILLER	EVERGREEN		
WELL OWNER	RONNING O		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-85	BROWN SANDY CLAY
2 :	85-90	BROWN SANDY CLAY W COARSE SAND
3 :	90-95	BROWN COARSE SAND & GRAVEL W BINDER
4 :	95-110	BROWN FINE SAND
5 :	110-	BROWN SANDY CLAY

SITEID	472504121581401	LOCAL NUM.	22N/07E-06N02
LATITUDE	47d25m04s	LONGITUDE	121d58m14s
ALTITUDE	570.00	CONST. DATE	08/01/1984
WELL DEPTH	215.00	HOLE DEPTH	215.00
WATER LEVEL	130.00	W.L. DATE	00/00/0000
SCREEN INT.	210.00 - 215.00		
DRILLER	MUELLER		
WELL OWNER	RAY CHARLES		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-20	SURFACE W CLAY
2 :	20-70	CLAY
3 :	70-120	BOULDERS & HARDPAN
4 :	120-160	HARDPAN
5 :	160-180	COAL W BAD WATER
6 :	180-210	HARDPAN
7 :	210-215	SAND WATER

SITEID	472503121575001	LOCAL NUM.	22N/07E-06P02
LATITUDE	47d25m03s	LONGITUDE	121d57m50s
ALTITUDE	580.00	CONST. DATE	06/04/1987
WELL DEPTH	107.00	HOLE DEPTH	107.00
WATER LEVEL	52.00	W.L. DATE	06/04/1987
DRILLER	JOHNSON		
WELL OWNER	CARRELL BILL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	BROWN SURFACE
2 :	3-12	TAN SAND GRAVEL CLAY
3 :	12-65	TAN SAND
4 :	65-85	TAN SAND AND GRAVEL
5 :	85-96	TAN SAND GRAVEL CLAY
6 :	96-98	GRAY GRAVEL AND SAND
7 :	98-106	GRAY WATER SAND-GRAVEL
8 :	106-107	GRAY GRAVEL

SITEID	472503121575002	LOCAL NUM.	22N/07E-06P03
LATITUDE	47d25m03s	LONGITUDE	121d57m50s
ALTITUDE	600.00	CONST. DATE	04/06/1978
WELL DEPTH	108.00	HOLE DEPTH	108.00
WATER LEVEL	93.00	W.L. DATE	04/06/1978
DRILLER	JOHNSON		
WELL OWNER	ELLIS WILLIAM		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-22	BROWN CLAY
3 :	22-37	BROWN SAND
4 :	37-48	BROWN SANDY CLAY
5 :	48-72	GRAY HARDPAN
6 :	72-76	GRAY HARDPACKED GRAVEL
7 :	76-96	GRAY CLAY
8 :	96-108	GRAY WATER GRAVEL

SITEID	472504121572301	LOCAL NUM.	22N/07E-06R02
LATITUDE	47d25m04s	LONGITUDE	121d57m23s
ALTITUDE	680.00	CONST. DATE	01/10/1985
WELL DEPTH	114.00	HOLE DEPTH	114.00
WATER LEVEL	84.00	W.L. DATE	01/10/1985
DRILLER	RICHARDSON		
WELL OWNER	DEORIO CONST CO		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-12	CLAY & GRAVEL
3 :	12-29	HARDPAN
4 :	29-57	HARD PACKED GRAY CLAY
5 :	57-89	GRAY STICKY CLAY
6 :	89-93	A LITTLE WATER, GRAVEL AND CLAY
7 :	93-110	GRAVEL AND CLAY
8 :	110-114	WATER AND GRAVEL

SITEID	472504121572302	LOCAL NUM.	22N/07E-06R03
LATITUDE	47d25m04s	LONGITUDE	121d57m23s
ALTITUDE	660.00	CONST. DATE	07/02/1974
WELL DEPTH	90.00	HOLE DEPTH	90.00
WATER LEVEL	64.00	W.L. DATE	09/06/1974
DRILLER	JERRY GAINES		
WELL OWNER	WOLD, ROBERT T.		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-8	TOPSOIL
2 :	8-23	CLAY
3 :	23-55	HARD PAN
4 :	55-81	CLAY
5 :	81-90	CLAY SAND AND WATER
6 :	-	

SITEID	472451121572301	LOCAL NUM.	22N/07E-07A02
LATITUDE	47d24m51s	LONGITUDE	121d57m23s
ALTITUDE	695.00	CONST. DATE	01/05/1978
WELL DEPTH	68.00	HOLE DEPTH	68.00
WATER LEVEL	34.00	W.L. DATE	01/06/1978
DRILLER	JOHNSON		
WELL OWNER	BRESTER, LARRY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	SURFACE
2 :	5-35	GRAY HARDPAN
3 :	35-57	BROWN HARDPAN
4 :	57-62	BROWN SAND
5 :	62-68	GRAY SAND WITH WATER

SITEID	472451121572302	LOCAL NUM.	22N/07E-07A03
LATITUDE	47d24m51s	LONGITUDE	121d57m23s
ALTITUDE	680.00	CONST. DATE	06/06/1978
WELL DEPTH	105.00	HOLE DEPTH	105.00
WATER LEVEL	65.00	W.L. DATE	06/21/1978
DRILLER	JOHNSON		
WELL OWNER	SULLIVAN, DAVID		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-15	BROWN CLAY W GRAVEL
3 :	15-31	GRAY HARDPAN GRAVEL
4 :	31-48	BROWN SANDY CLAY WITH GRAVEL
5 :	48-76	BROWN SAND AND GRAVEL
6 :	76-83	GRAY SANDY CLAY
7 :	83-94	GRAY CLAY
8 :	94-105	GRAY SAND GRAVEL WATER

SITEID	472449121573601	LOCAL NUM.	22N/07E-07B04
LATITUDE	47d24m49s	LONGITUDE	121d57m36s
ALTITUDE	700.00	CONST. DATE	04/01/1985

WELL DEPTH 84.00 HOLE DEPTH 84.00
WATER LEVEL 64.00 W.L. DATE 04/01/1985
SCREEN INT. 79.00 - 84.00
DRILLER MORRIS D CO
WELL OWNER HALE BOB

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SANDY TOPSOIL
2 :	3-20	BROWN SAND
3 :	20-32	BROWN TILL
4 :	32-57	GRAY TILL
5 :	57-74	GRAVEL
6 :	74-84	GRAVEL AND WATER

SITEID 472723121580301 LOCAL NUM. 22N/07E-07C01
LATITUDE 4d72m72s LONGITUDE 121d58m03s
ALTITUDE 600.00 CONST. DATE 05/21/1974
WELL DEPTH 123.00 HOLE DEPTH 0.00
WATER LEVEL 109.00 W.L. DATE / /
DRILLER JOHNSON DRIL
WELL OWNER STRUNK

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-13	SANDY BROWN CLAY SHOCKED WITH GRAVL
2 :	13-115	BROWN HARDPAN
3 :	115-119	WATER SEAM (BROWN GRAVEL)
4 :	119-123	HARD PACKED BROWN GRAVEL

SITEID 472451121581102 LOCAL NUM. 22N/07E-07D04
LATITUDE 47d24m51s LONGITUDE 121d58m11s
ALTITUDE 580.00 CONST. DATE 02/26/1988
WELL DEPTH 98.00 HOLE DEPTH 98.00
WATER LEVEL 52.00 W.L. DATE 02/26/1988
SCREEN INT. 93.00 - 98.00
DRILLER B J DRILL CO
WELL OWNER JACOB TED

INT NO.	INTVL(FT)	DESCRIPTION
1 :	56-61	ROCKS GRAVEL SAND
2 :	61-76	GRAVEL SAND VERY HARD
3 :	76-91	GRAY GRAVEL SAND CLAY HARD
4 :	91-98	GRAVEL SAND WATER (MATERIAL)

SITEID 472451121581101 LOCAL NUM. 22N/07E-07D05
LATITUDE 47d24m51s LONGITUDE 121d58m11s
ALTITUDE 570.00 CONST. DATE 08/04/1982
WELL DEPTH 79.00 HOLE DEPTH 79.00
WATER LEVEL 41.00 W.L. DATE 08/05/1982
DRILLER JOHNSON
WELL OWNER FIRE DISTRICT 43

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-8	BROWN SANDY LOAM
2 :	8-27	GRAY HARDPAN ROCKS
3 :	27-41	BROWN HARDPAN
4 :	41-71	GRAY HARDPAN
5 :	71-79	GRAY WATER SAND & GRAVEL

SITEID 472451121581103 LOCAL NUM. 22N/07E-07D06
LATITUDE 47d24m51s LONGITUDE 121d58m11s
ALTITUDE 580.00 CONST. DATE 11/26/1977
WELL DEPTH 60.00 HOLE DEPTH 62.00
WATER LEVEL 30.00 W.L. DATE 12/16/1977
SCREEN INT. 55.00 - 60.00
DRILLER B J DRILL CO
WELL OWNER MCCULLOCH, JIM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	LIGHT BROWN SAND CLAY SOFT
2 :	2-33	GRAY CLAY GRVL SAND BLDERS CEMENTED
3 :	33-38	TAN CLAY GRAVEL SAND CEMENTED
4 :	38-50	LIGHT BRN CLAY GRAVEL SAND CEMENTED
5 :	50-56	LT BN CLAY LGE GRAVEL SAND TRACEH20
6 :	56-60	RED COLOR WATER GRAVEL SAND
7 :	60-62	BROWN GRAVEL CLAY SEMI HARD NO H20

SITEID 472436121575701 LOCAL NUM. 22N/07E-07F01
LATITUDE 47d24m36s LONGITUDE 121d57m57s
ALTITUDE 600.00 CONST. DATE 04/27/1979
WELL DEPTH 120.00 HOLE DEPTH 120.00
WATER LEVEL 75.00 W.L. DATE 04/30/1979
DRILLER JOHNSON
WELL OWNER MILLER, DAVE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-9	BROWN SANDY LOAM
2 :	9-33	BROWN HARDPAN
3 :	33-46	GRAY CLAY
4 :	46-80	GRAY HARDPAN
5 :	80-90	BROWN HARDPAN
6 :	90-100	BROWN CLAY
7 :	100-120	BROWN WATER GRAVEL

SITEID 472438121573601 LOCAL NUM. 22N/07E-07G02
LATITUDE 47d24m38s LONGITUDE 121d57m36s
ALTITUDE 700.00 CONST. DATE 10/26/1977
WELL DEPTH 126.00 HOLE DEPTH 130.00
WATER LEVEL 80.00 W.L. DATE / /
DRILLER H L WILLIAMS
WELL OWNER NACHATELO, PAUL R.

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	TOPSOIL
2 :	5-40	FLAT GRAY ROCK

3 :	40-55	SANDSTONE
4 :	55-103	GASHED ROCK
5 :	103-105	BLUE CLAY WATER
6 :	105-126	WATER SAND W SOME BLUE CLAY

SITEID	472438121571601	LOCAL NUM.	22N/07E-07H02
LATITUDE	47d24m38s	LONGITUDE	121d57m16s
ALTITUDE	725.00	CONST. DATE	01/14/1985
WELL DEPTH	181.00	HOLE DEPTH	181.00
WATER LEVEL	140.00	W.L. DATE	01/14/1985
DRILLER	JOHNSON		
WELL OWNER	MCKITTRICK BOYD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	SURFACE
2 :	4-26	BROWN HARDPAN ROCKS
3 :	26-89	GRAY HARDPAN ROCKS
4 :	89-168	GRAY CLAY
5 :	168-181	BROWN WATER SAND AND GRAVEL

See 05N03

SITEID	472438121571602	LOCAL NUM.	22N/07E-07H03
LATITUDE	47d24m38s	LONGITUDE	121d57m16s
ALTITUDE	725.00	CONST. DATE	11/04/1979
WELL DEPTH	98.00	HOLE DEPTH	98.00
WATER LEVEL	52.00	W.L. DATE	11/15/1979
DRILLER	JOHNSON		
WELL OWNER	FALK, LOUIS		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-19	BROWN HARDPAN ROCKS
3 :	19-50	GRAY HARDPAN ROCKS
4 :	50-58	GRAY WATER SAND AND GRAVEL
5 :	58-67	GRAY CLAY
6 :	67-88	GRAY HARDPAN
7 :	88-98	GRAY WATER SAND AND GRAVEL

SITEID	472438121572401	LOCAL NUM.	22N/07E-07H04
LATITUDE	47d24m38s	LONGITUDE	121d57m24s
ALTITUDE	725.00	CONST. DATE	12/03/1976
WELL DEPTH	63.00	HOLE DEPTH	63.00
WATER LEVEL	29.00	W.L. DATE	12/06/1976
DRILLER	JOHNSON		
WELL OWNER	MOTLEY, MERVIN D		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-16	BROWN SAND SHOCKED W GRAVEL
3 :	16-27	BROWN HARDPAN
4 :	27-40	GRAY HARDPAN

SITEID	472438121572402	LOCAL NUM.	22N/07E-07H05
LATITUDE	47d24m38s	LONGITUDE	121d57m24s
ALTITUDE	725.00	CONST. DATE	03/04/1980
WELL DEPTH	158.00	HOLE DEPTH	158.00
WATER LEVEL	125.00	W.L. DATE	03/07/1980
DRILLER	JOHNSON		
WELL OWNER	POLAND JOHN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-67	GRAY HARDPAN
3 :	67-150	GRAY CLAY
4 :	150-158	BROWN WATER SAND AND GRAVEL

SITEID	472655121571801	LOCAL NUM.	22N/07E-07J01
LATITUDE	4d72m65s	LONGITUDE	121d57m18s
ALTITUDE	680.00	CONST. DATE	05/16/1974
WELL DEPTH	113.00	HOLE DEPTH	0.00
WATER LEVEL	93.00	W.L. DATE	/ /
DRILLER	JERRS DRILLI		
WELL OWNER	RENNICK		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-48	HARDPAN & ROCK
3 :	48-107	CLAY
4 :	107-113	SAND GRAVEL & WATER

SITEID	472425121572201	LOCAL NUM.	22N/07E-07J05
LATITUDE	47d24m25s	LONGITUDE	121d57m22s
ALTITUDE	730.00	CONST. DATE	01/20/1981
WELL DEPTH	177.00	HOLE DEPTH	177.00
WATER LEVEL	123.00	W.L. DATE	01/20/1981
DRILLER	OLYMPIC WEST		
WELL OWNER	DICKSON C M		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-10	BROWN SAND GRAVEL & CLAY
3 :	10-36	CEMENTED GREY SAND GRAVEL & COBBLES
4 :	36-53	BLUE CLAY
5 :	53-59	BROWN PEAT AND WOOD
6 :	59-103	BLUE CLAY
7 :	103-105	BROWN PEAT
8 :	105-114	BROWN CLAY AND GRAVEL
9 :	114-152	BLUE CLAY
10 :	152-160	BROWN MEDIUM SAND WATER BEARING
11 :	160-178	COARSE GRAVEL WATER BEARING

SITEID	472426121573701	LOCAL NUM.	22N/07E-07K02
LATITUDE	47d24m26s	LONGITUDE	121d57m37s
ALTITUDE	750.00	CONST. DATE	09/00/1982
WELL DEPTH	165.00	HOLE DEPTH	166.00

WATER LEVEL 138.00 W.L. DATE 09/20/1982
SCREEN INT. 161.00 - 165.00
DRILLER EVERGREEN
WELL OWNER SPARKS, R

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-30	GRAY TILL COMPACT
3 :	30-33	BROWN TILL
4 :	33-50	GRAY TILL
5 :	50-136	BROWN TILL
6 :	136-145	BROWN SANDY LOAM
7 :	145-153	BROWN TILL COMPACT
8 :	153-157	BROWN SANDY LOAM
9 :	157-165	BROWN SANDY TIGHT & DIRTY

SITEID 472423121575301 LOCAL NUM. 22N/07E-07L03
LATITUDE 47d24m23s LONGITUDE 121d57m53s
ALTITUDE 700.00 CONST. DATE 08/06/1986
WELL DEPTH 151.00 HOLE DEPTH 151.00
WATER LEVEL 126.00 W.L. DATE 08/19/1986
DRILLER MUELLER
WELL OWNER CRENNA, JIM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-6	SURFACE SOIL
2 :	6-40	HARDPAN
3 :	40-76	GRAVEL
4 :	76-118	HARD PAN
5 :	118-151	GRAVEL

SITEID 472710121570001 LOCAL NUM. 22N/07E-08E01
LATITUDE 4d72m71s LONGITUDE 121d57m00s
ALTITUDE 780.00 CONST. DATE 01/11/1974
WELL DEPTH 103.00 HOLE DEPTH 0.00
WATER LEVEL 27.00 W.L. DATE 01/11/1974
DRILLER JOHNSON DRLG
WELL OWNER ROXSTROM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	LOOSE ROCK & GRAVEL
2 :	2-90	BROWN HARDPAN GRAVEL & BOULDERS
3 :	90-101	HARDPAN BROWN GRAVEL
4 :	101-102	WATER SAND GRAVEL
5 :	102-103	BROWN CLAY SHAFT W GRAVEL

SITEID 472437121571001 LOCAL NUM. 22N/07E-08E02
LATITUDE 47d24m37s LONGITUDE 121d57m10s
ALTITUDE 725.00 CONST. DATE 02/15/1977
WELL DEPTH 76.00 HOLE DEPTH 76.00
WATER LEVEL 28.00 W.L. DATE 02/15/1977
DRILLER JOHNSON
WELL OWNER GRASE, DALE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-62	BROWN HARDPAN
3 :	62-67	BROWN CLAY SHOCKED WITH GRAVEL
4 :	67-75	BROWN WATER SAND AND GRAVEL
5 :	75-76	BROWN SAND CLAY BINDER

SITEID 472649121570001 LOCAL NUM. 22N/07E-08M01
LATITUDE 4d72m64s LONGITUDE 121d57m00s
ALTITUDE 780.00 CONST. DATE 10/01/1972
WELL DEPTH 94.00 HOLE DEPTH 0.00
WATER LEVEL 49.00 W.L. DATE 10/01/1972
DRILLER EVERGREEN DR
WELL OWNER GOODSELL

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-40	TILL COMPACT
2 :	40-70	HARDPAN GRAY
3 :	70-80	BOULDERS & CLAY GRAY
4 :	80-90	TILL COMPACT BROWN
5 :	90-94	STREAKS OF SAND AND GRAVEL

SITEID 472423121571001 LOCAL NUM. 22N/07E-08M02
LATITUDE 47d24m23s LONGITUDE 121d57m10s
ALTITUDE 715.00 CONST. DATE 04/03/1981
WELL DEPTH 55.00 HOLE DEPTH 55.00
WATER LEVEL -2.31 W.L. DATE 04/03/1981
DRILLER JOHNSON
WELL OWNER DUNSON MELVIN & ELVA

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-28	BROWN HARDPAN ROCKS
3 :	28-48	GRY HARDPAN
4 :	48-55	GRAY WATER SAND AND GRAVEL
5 :	55-	GRAY SANDY CLAY

SITEID 472423121570301 LOCAL NUM. 22N/07E-08M03
LATITUDE 47d24m23s LONGITUDE 121d57m03s
ALTITUDE 760.00 CONST. DATE 07/19/1977
WELL DEPTH 182.00 HOLE DEPTH 182.00
WATER LEVEL 150.00 W.L. DATE 07/18/1977
SCREEN INT. 180.00 - 182.00
DRILLER EVERGREEN
WELL OWNER KOHLER ALLEN

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	OVER BURDEN
2 :	3-51	GRAY HARDPAN
3 :	51-52	DIRTY GRAVEL

4 :	52-68	BROWN HARDPAN
5 :	68-80	BROWN COMPACT DIRTY SAND
6 :	80-95	BLUE SILTY CLAY
7 :	95-110	BLUE MASTIC CLAY
8 :	110-168	BLUE SILTY CLAY
9 :	168-173	GRAY TILL
10 :	173-180	GRAY CLAY
11 :	180-182	WATER BEARING SAND AND GRAVEL
12 :	182-	CLAY

SITEID	473011121590101	LOCAL NUM.	23N/06E-01P01
LATITUDE	47d30m11s	LONGITUDE	121d59m01s
ALTITUDE	2200.00	CONST. DATE	10/01/1983
WELL DEPTH	340.00	HOLE DEPTH	340.00
WATER LEVEL	70.00	W.L. DATE	10/01/1983
DRILLER	STATEWIDE		
WELL OWNER	MARTIN JOAN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-10	BROWN DECAYED ROCK SANDSTONE
2 :	10-65	HARD BLUE GRAY SANDSTONE
3 :	65-185	MEDIUM TO HARD GRAY SANDSTONES
4 :	185-280	SOFT GRAY SANDSTONE
5 :	280-315	RED SANDSTONE
6 :	315-325	BROWN SANDSTONE
7 :	325-340	RED SANDSTONE

SITEID	473049122005701	LOCAL NUM.	23N/06E-03A02
LATITUDE	47d30m49s	LONGITUDE	122d00m57s
ALTITUDE	300.00	CONST. DATE	10/05/1983
WELL DEPTH	144.00	HOLE DEPTH	147.00
WATER LEVEL	112.00	W.L. DATE	00/00/0000
SCREEN INT.	139.00 - 144.00		
DRILLER	B J DRILL CO		
WELL OWNER	ALLISON RON		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	DARK BROWN TOPSOIL
2 :	2-9	BROWN CLAY SAND GRAVEL SOFT
3 :	9-34	LIGHT BROWN SAND GRAVEL BOULDERS
4 :	34-46	LIGHT BROWN SAND CLAY AND GRAVEL
5 :	46-57	LIGHT BRN SAND GRAVEL CLAY BOULDERS
6 :	57-83	LIGHT GRAY CLAY SAND GRAVEL ROCK
7 :	83-140	LIGHT GRAY CLAY SAND GRAVEL ROCKS
8 :	140-143	LT GRAY SAND GRAVEL CLAY TRACE H20
9 :	143-144	SAND GRAVEL H20
10 :	144-147	LIGHT GRAY SAND GRAVEL H20

SITEID	473049122011601	LOCAL NUM.	23N/06E-03B03
LATITUDE	47d30m49s	LONGITUDE	122d01m16s
ALTITUDE	150.00	CONST. DATE	11/29/1983
WELL DEPTH	51.00	HOLE DEPTH	51.00
WATER LEVEL	-5.81	W.L. DATE	11/29/1983
SCREEN INT.	46.00 - 51.00		
DRILLER	B J DRILL CO		
WELL OWNER	CHURCH OF CHRIST SCIENTIST		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	DARK BROWN TOPSOIL
2 :	1-5	BROWN CLAY SANDY
3 :	5-16	BROWN CLAY SAND GRAVEL
4 :	16-32	GRAY CLAY SILTY
5 :	32-47	BROWN SAND GRAVEL ROCKS CLAY
6 :	47-50	COARSE SAND GRAVEL ROCKS WATER
7 :	50-51	BROWN SAND GRAVEL ROCKS CLAY

SITEID	473049122011602	LOCAL NUM.	23N/06E-03B04
LATITUDE	47d30m49s	LONGITUDE	122d01m16s
ALTITUDE	150.00	CONST. DATE	01/26/1978
WELL DEPTH	42.00	HOLE DEPTH	49.00
WATER LEVEL	19.00	W.L. DATE	01/26/1978
SCREEN INT.	37.00 - 42.00		
DRILLER	B J DRILL CO		
WELL OWNER	ERICKSON ERIC		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	DARK BROWN TOPSOIL
2 :	5-42	LIGHT BROWN CLAY SAND & GRAVEL
3 :	42-49	DARK GRAY SAND AND GRAVEL WATER

SITEID	473040122011801	LOCAL NUM.	23N/06E-03G02
LATITUDE	47d30m40s	LONGITUDE	122d01m18s
ALTITUDE	170.00	CONST. DATE	02/10/1977
WELL DEPTH	86.00	HOLE DEPTH	86.00
WATER LEVEL	30.00	W.L. DATE	02/10/1977
SCREEN INT.	81.00 - 86.00		
DRILLER	B J DRILL CO		
WELL OWNER	FOOTHILL BAPTIST CHURCH		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-14	BROWN CLAY SOFT
2 :	14-26	BROWN CLAY GRAVEL
3 :	26-38	BROWN CLAY
4 :	38-65	BROWN CLAY GRAVEL
5 :	65-72	GRAY SAND GRAVEL TRACE WATER
6 :	72-86	SAND GRAVEL WATER

SITEID	473040122011802	LOCAL NUM.	23N/06E-03G03
LATITUDE	47d30m40s	LONGITUDE	122d01m18s
ALTITUDE	170.00	CONST. DATE	01/26/1979
WELL DEPTH	83.00	HOLE DEPTH	83.00
WATER LEVEL	40.00	W.L. DATE	01/24/1979
SCREEN INT.	78.00 - 83.00		
DRILLER	BURAAS D CO		
WELL OWNER	SHAPIRO BENNETT		

INT
NO. INTVL(FT) DESCRIPTION

1 :	0-13	BROWN CLAY
2 :	13-27	BROWN HARDPAN
3 :	27-78	BROWN CONGLOMERATED GRAVEL
4 :	78-83	GRAY MEDIUM SAND AND GRAVEL

SITEID	473040122011803	LOCAL NUM.	23N/06E-03G04
LATITUDE	47d30m40s	LONGITUDE	122d01m18s
ALTITUDE	170.00	CONST. DATE	08/27/1977
WELL DEPTH	68.00	HOLE DEPTH	68.00
WATER LEVEL	20.00	W.L. DATE	08/26/1977
DRILLER	JOHNSON		
WELL OWNER	MARBERG LESTER W		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-7	BROWN CLAY
3 :	7-23	BROWN CLAY SHOCKED WITH GRAVEL
4 :	23-63	GRAY BROWN WATER SAND AND GRAVEL
5 :	68-	GRAY SILT
6 :	-	

SITEID	473039122005801	LOCAL NUM.	23N/06E-03H05
LATITUDE	47d30m39s	LONGITUDE	122d00m58s
ALTITUDE	280.00	CONST. DATE	02/02/1983
WELL DEPTH	99.00	HOLE DEPTH	99.00
WATER LEVEL	70.00	W.L. DATE	02/01/1983
SCREEN INT.	93.00 - 99.00		
DRILLER	CABLE TOOL		
WELL OWNER	YOUNG TED		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	CLAY BROWN COBBLES
2 :	2-50	SANDY CLAY BROWN SMALL GRAVEL
3 :	50-78	SAND AND GRAVEL BROWN
4 :	78-99	SAND AND GRAVEL BROWN WATER BEARING
5 :	99-100	S&G BRN SMALL PIECES OF SAND ROCK

SITEID	473027122011701	LOCAL NUM.	23N/06E-03K02
LATITUDE	47d30m27s	LONGITUDE	122d01m17s
ALTITUDE	190.00	CONST. DATE	09/22/1987
WELL DEPTH	58.00	HOLE DEPTH	58.00
WATER LEVEL	33.00	W.L. DATE	09/22/1987
DRILLER	CABLE TOOL		
WELL OWNER	HALL DON		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	GRAVEL BROWN DRY
2 :	2-50	GRAVELLY CLAY BROWN
3 :	50-51	SAND & GRAVEL BROWN A LITTLE H20
4 :	51-58	GRAVELLY CLAY BROWN
5 :	58-	SAND & GRAVEL BROWN WATER

SITEID	473027122011702	LOCAL NUM.	23N/06E-03K03
LATITUDE	47d30m27s	LONGITUDE	122d01m17s
ALTITUDE	190.00	CONST. DATE	09/16/1987
WELL DEPTH	42.00	HOLE DEPTH	42.00
WATER LEVEL	22.50	W.L. DATE	09/16/1987
SCREEN INT.	37.00 - 42.00		
DRILLER	CABLE TOOL		
WELL OWNER	MITCHELL LAVERA		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	GRAVEL BROWN DRY
2 :	1-39	GRAVELLY CLAY BROWN
3 :	39-40	SAND AND GRAVEL BROWN WITH WATER
4 :	40-42	GRAVELLY CLAY BROWN DRY

SITEID	473028122013801	LOCAL NUM.	23N/06E-03L01
LATITUDE	47d30m28s	LONGITUDE	122d01m38s
ALTITUDE	340.00	CONST. DATE	06/16/1980
WELL DEPTH	159.00	HOLE DEPTH	160.00
WATER LEVEL	24.00	W.L. DATE	06/16/1980
SCREEN INT.	142.50 - 159.00		
DRILLER	OELKE D CO		
WELL OWNER	SCHROEDER GORDON		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-11	BROWN DRY SILTY SANDY GRAVEL
2 :	11-25	BRN MOIST SILTY SANDY GRAVEL
3 :	25-57	BRNISH GRAY SILTY C&G MOIST
4 :	57-68	CLEAN BROWN SILTY GRAVEL
5 :	68-98	SILTY SANDY GRAY GRAVEL
6 :	98-160	MED TO FINE BRN SAND SOME GRAVEL

SITEID	473015122013701	LOCAL NUM.	23N/06E-03P03
LATITUDE	47d30m15s	LONGITUDE	122d01m37s
ALTITUDE	200.00	CONST. DATE	06/01/1971
WELL DEPTH	46.00	HOLE DEPTH	47.00
WATER LEVEL	6.00	W.L. DATE	06/01/1971
SCREEN INT.	41.00 - 46.00		
DRILLER	H O MEYER		
WELL OWNER	PETTY DUANE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SOIL
2 :	3-11	GRAVEL
3 :	11-30	SILT AND GRAVEL
4 :	30-35	RUSTY WATER IN GRAVEL
5 :	35-41	TIGHT GRAVEL
6 :	41-46	LARGE FREE GRAVEL
7 :	46-47	DIRTY SAND AND CLAY

SITEID 473015122011701 LOCAL NUM. 23N/06E-03Q02

LATITUDE	47d30m15s	LONGITUDE	122d01m17s
ALTITUDE	210.00	CONST. DATE	04/30/1979
WELL DEPTH	136.00	HOLE DEPTH	136.00
WATER LEVEL	60.00	W.L. DATE	04/27/1979
SCREEN INT.	126.00 - 136.00		
DRILLER	BURAAS D CO		
WELL OWNER	WALES BUD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-20	BROWN CONGLOMERATED SAND & GRAVEL
2 :	20-31	BROWN HARDPAN
3 :	31-37	REDDISH BROWN SAND & CLAY
4 :	37-39	LIGHT BROWN DRY GRAVEL
5 :	39-73	BROWN HARD PAN
6 :	73-86	BROWN SILTY CLAY
7 :	86-116	BROWN SILTY SAND
8 :	116-136	BROWN FINE WASHED SAND

SITEID	473049122025401	LOCAL NUM.	23N/06E-04C01
LATITUDE	47d30m49s	LONGITUDE	122d02m54s
ALTITUDE	860.00	CONST. DATE	05/06/1988
WELL DEPTH	57.50	HOLE DEPTH	57.50
WATER LEVEL	2.00	W.L. DATE	05/06/1988
DRILLER	OELKE D CO		
WELL OWNER	HOGAN MARIE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-16	BROWN TILL W BOULDERS
2 :	16-25	BROWN SILTY SAND GRAVEL WET
3 :	25-35	BROWN SILT
4 :	35-52	GRAY SILTY SANDY GRAY/WATER
5 :	52-52	GRAY SAND/GRAV/WOOD CHIPS/WATER

SITEID	473049122043301	LOCAL NUM.	23N/06E-05D01
LATITUDE	47d30m49s	LONGITUDE	122d04m33s
ALTITUDE	470.00	CONST. DATE	12/20/1978
WELL DEPTH	440.00	HOLE DEPTH	440.00
WATER LEVEL	35.00	W.L. DATE	12/20/1978
DRILLER	NW PUMP		
WELL OWNER	VILLAGE WEST CORPORATION		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	TOPSOIL
2 :	1-27	BROWN SILT
3 :	27-31	BROWN TILL
4 :	31-270	BLUE BASALT
5 :	270-440	BROWN GRAY SAND STONE

SITEID	473039122041001	LOCAL NUM.	23N/06E-05F01
LATITUDE	47d30m39s	LONGITUDE	122d04m10s
ALTITUDE	1200.00	CONST. DATE	01/29/1973
WELL DEPTH	38.00	HOLE DEPTH	44.00
WATER LEVEL	9.00	W.L. DATE	01/29/1973
SCREEN INT.	28.00 - 38.00		
DRILLER	B J DRILL CO		
WELL OWNER	HALE ROSEMARY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	LIGHT BROWN SAND
2 :	4-5	ROCKS GRAVEL CEMENTED
3 :	5-10	DARK BROWN SAND GRAVEL CEMENTED
4 :	10-20	DARK BROWN SAND & MUCK (TRACE H20)
5 :	20-24	DARK BROWN CLAY SAND & MUCK H20
6 :	24-34	REDISH CLAY ROCK GRAVEL SAND HARD
7 :	34-36	BRN & GRAY CLAY SAND GRAVL HARD H20
8 :	36-44	REDISH CLAY SAND GRAVEL

SITEID	473049122044801	LOCAL NUM.	23N/06E-06A01
LATITUDE	47d30m49s	LONGITUDE	122d04m48s
ALTITUDE	640.00	CONST. DATE	12/31/1984
WELL DEPTH	150.00	HOLE DEPTH	150.00
WATER LEVEL	2.00	W.L. DATE	00/00/0000
DRILLER	B J DRILL CO		
WELL OWNER	MCLENAGHAN GARY M		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-7	BROWN SAND GRAVEL ROCK CLAY
2 :	7-49	BLACK SEMI-HARD SHALE
3 :	49-55	GR&BLK SHALE LAYER/HD W SOFTR L/WTR
4 :	55-70	BLACK SEMI HARD SHALE
5 :	70-80	BLACK W/WHITE CHALK LIKE LAYER
6 :	80-105	BLACK HARD TO SEMI HARD SHALE
7 :	105-135	PURPLE BLACK HARD SHALE
8 :	135-150	BLACK SEMI HARD SHALE
9 :	150-195	GRAY SHALE BLACK HARD

SITEID	472922122051001	LOCAL NUM.	23N/06E-07Q02
LATITUDE	47d29m22s	LONGITUDE	122d05m10s
ALTITUDE	350.00	CONST. DATE	04/09/1980
WELL DEPTH	78.00	HOLE DEPTH	78.00
WATER LEVEL	32.00	W.L. DATE	04/09/1980
SCREEN INT.	45.00 - 55.00		
DRILLER	JOHNSON		
WELL OWNER	GRAHAM BRUCE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-22	BROWN HARDPAN
2 :	22-45	GRAY HARDPAN
3 :	45-55	BROWN SAND AND GRAVEL (SEEPAGE)
4 :	55-70	BROWN HARDPAN GRAVEL
5 :	70-78	GRAY FINE SAND

SITEID	473001122033401	LOCAL NUM.	23N/06E-08A01
LATITUDE	47d30m01s	LONGITUDE	122d03m34s
ALTITUDE	340.00	CONST. DATE	11/25/1976
WELL DEPTH	322.00	HOLE DEPTH	322.00

WATER LEVEL 140.00 W.L. DATE 11/25/1976
SCREEN INT. 145.00 - 315.00
DRILLER JOHNSON
WELL OWNER GOODMUNDSON WILLARD

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-11	BROWN CLAY SHOCKED W ROCKS
3 :	11-33	BROWN HARDPAN
4 :	33-52	GRAY HARDPAN
5 :	52-56	GRAY CLAY
6 :	56-98	GRAY DECAYED ROCK
7 :	98-165	BLUE GRY SOFT ROCK
8 :	165-235	BLUE SOLID ROCK
9 :	235-305	LIGHT BROWN HARD ROCK
10 :	305-322	GRAY ROCK

SITEID 473001122033402 LOCAL NUM. 23N/06E-08A02
LATITUDE 47d30m01s LONGITUDE 122d03m34s
ALTITUDE 340.00 CONST. DATE 03/25/1988
WELL DEPTH 188.00 HOLE DEPTH 188.00
WATER LEVEL 90.00 W.L. DATE 03/25/1988
SCREEN INT. 90.00 - 185.00
DRILLER JOHNSON
WELL OWNER HITCHINGS STEVE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-30	BROWN CLAY
3 :	30-45	TAN HARDPAN
4 :	45-80	BROWN CLAY
5 :	80-100	BROWN DECAYED ROCK
6 :	100-120	GRAY SHALE WATER
7 :	120-135	RED SHALE
8 :	135-150	GRAY SHALE WATER
9 :	150-160	RED SHALE
10 :	160-188	GRAY SHALE

SITEID 473002122035401 LOCAL NUM. 23N/06E-08B01
LATITUDE 47d30m02s LONGITUDE 122d03m54s
ALTITUDE 260.00 CONST. DATE 07/05/1984
WELL DEPTH 161.00 HOLE DEPTH 168.00
WATER LEVEL 30.00 W.L. DATE 07/05/1984
SCREEN INT. 130.00 - 157.00
DRILLER JOHNSON
WELL OWNER BARD RON

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-8	BROWN SAND & GRAVEL
3 :	8-15	BROWN DECAYED ROCK
4 :	15-143	LIGHT BROWN SOLID ROCK
5 :	143-157	GRAY SOLID ROCK WATER BEARING
6 :	157-168	GRAY SOLID ROCK

SITEID 473002122041101 LOCAL NUM. 23N/06E-08C01
LATITUDE 47d30m02s LONGITUDE 122d04m11s
ALTITUDE 1220.00 CONST. DATE 08/14/1980
WELL DEPTH 160.00 HOLE DEPTH 160.00
WATER LEVEL 50.00 W.L. DATE 08/13/1980
DRILLER JOHNSON
WELL OWNER GILES DAVID

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	SURFACE
2 :	4-35	BROWN DECAYED ROCK
3 :	35-80	GRAY DECAYED ROCK SEEPAGE
4 :	80-160	GRAY SOLID ROCK

SITEID 473002122041102 LOCAL NUM. 23N/06E-08C02
LATITUDE 47d30m02s LONGITUDE 122d04m11s
ALTITUDE 1220.00 CONST. DATE 11/14/1980
WELL DEPTH 125.00 HOLE DEPTH 125.00
WATER LEVEL 70.00 W.L. DATE 11/13/1980
SCREEN INT. 105.00 - 125.00
DRILLER BERG PUMP
WELL OWNER VIET DAVID

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	BROWN CLAY
2 :	12-17	BROWN CLAY & BOULDERS
3 :	17-118	SANDSTONE
4 :	118-123	BROKEN SAND STONE
5 :	123-125	SOLID SAND STONE

SITEID 472949122033501 LOCAL NUM. 23N/06E-08H01
LATITUDE 47d29m49s LONGITUDE 122d03m35s
ALTITUDE 1040.00 CONST. DATE 07/16/1979
WELL DEPTH 331.00 HOLE DEPTH 340.00
WATER LEVEL 30.00 W.L. DATE 07/16/1989
SCREEN INT. 80.00 - 320.00
DRILLER JOHNSON
WELL OWNER MOODY ALFRED W

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-14	BROWN SANDY CLAY
3 :	14-93	GRAY HARD SOLID ROCK
4 :	93-141	GRAY SOFT ROCK
5 :	191-193	GRAY HARD ROCK
6 :	193-249	BROWN ROCK
7 :	249-340	GRAY ROCK

SITEID 472949122033502 LOCAL NUM. 23N/06E-08H02
LATITUDE 47d29m49s LONGITUDE 122d03m35s
ALTITUDE 1040.00 CONST. DATE 07/30/1984

WELL DEPTH 100.00 HOLE DEPTH 100.00
WATER LEVEL 20.00 W.L. DATE 07/30/1984
SCREEN INT. 40.00 - 80.00
DRILLER JOHNSON
WELL OWNER MCALLISTER DON

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-7	SURFACE
2 :	7-30	BROWN ROCK
3 :	30-62	GRAYROCK SEEPAGE
4 :	62-100	TAN ROCK SEEPAGE

SITEID 472933122033201 LOCAL NUM. 23N/06E-08J01
LATITUDE 47d29m33s LONGITUDE 122d03m32s
ALTITUDE 330.00 CONST. DATE 12/06/1985
WELL DEPTH 180.00 HOLE DEPTH 180.00
WATER LEVEL 65.00 W.L. DATE 12/06/1985
SCREEN INT. 80.00 - 175.00
DRILLER JOHNSON
WELL OWNER WELLS JIM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	SURFACE
2 :	5-10	BROWN DECAYED ROCK
3 :	10-110	TAN SOLID ROCK SEEPAGE
4 :	110-150	TAN SOLID ROCK WATER
5 :	150-180	TAN SOLID ROCK

SITEID 472933122033202 LOCAL NUM. 23N/06E-08J02
LATITUDE 47d29m33s LONGITUDE 122d03m32s
ALTITUDE 330.00 CONST. DATE 05/10/1979
WELL DEPTH 250.00 HOLE DEPTH 250.00
WATER LEVEL 125.00 W.L. DATE 05/10/1979
SCREEN INT. 135.00 - 245.00
DRILLER JOHNSON
WELL OWNER PETERSON DAN

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-16	BROWN SANDY CLAY LOOSE
2 :	16-38	GRAY HARDPAN
3 :	38-61	BROWN SAND
4 :	61-93	GRAY HARDPAN
5 :	93-120	BROWN GRAVEL
6 :	120-132	GRAY DECAYED SOFT ROCK
7 :	132-143	GRAY HARD ROCK
8 :	143-157	BROWN SOFT ROCK
9 :	157-190	GRAY MEDIUM ROCK
10 :	190-208	GRAY SOFT ROCK
11 :	208-250	GRAY HARD ROCK

SITEID 472920122033501 LOCAL NUM. 23N/06E-08R01
LATITUDE 47d29m20s LONGITUDE 122d03m35s
ALTITUDE 660.00 CONST. DATE 10/17/1983
WELL DEPTH 256.00 HOLE DEPTH 256.00
WATER LEVEL 240.00 W.L. DATE 10/06/1983
SCREEN INT. 256.00 - 256.00
DRILLER JOHNSON
WELL OWNER MILLER JOHN, WATER SYSTEM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-11	BROWN LOAM
2 :	11-16	GRAY HARDPAN
3 :	16-35	BROWN HARDPAN
4 :	35-60	BROWN SAND
5 :	60-70	BROWN HARDPAN
6 :	70-84	GRAY HARDPAN
7 :	84-99	BROWN HARDPAN
8 :	99-140	GRAY CLAY
9 :	140-170	GRAY CLAY AND GRAVEL
10 :	170-188	BROWN CLAY
11 :	188-228	BROWN CLAY AND GRAVEL
12 :	228-252	GRAY HARDPAN GRAVEL
13 :	252-256	BROWN SAND AND GRAVEL

SITEID 473001122013601 LOCAL NUM. 23N/06E-10C01
LATITUDE 47d30m01s LONGITUDE 122d01m36s
ALTITUDE 270.00 CONST. DATE 01/18/1979
WELL DEPTH 48.00 HOLE DEPTH 60.00
WATER LEVEL 21.00 W.L. DATE 01/18/1979
SCREEN INT. 44.00 - 48.00
DRILLER BURAAS D CO
WELL OWNER PETTY BLAINE R

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-17	BROWN CLAY
2 :	17-44	BR SILTY SAND W CLAY MIXTURE
3 :	44-48	BROWN WASHED SAND
4 :	48-60	BROWN SAND AND CLAY

SITEID 472948122011601 LOCAL NUM. 23N/06E-10G01
LATITUDE 47d29m48s LONGITUDE 122d01m16s
ALTITUDE 170.00 CONST. DATE 10/23/1986
WELL DEPTH 54.00 HOLE DEPTH 54.00
WATER LEVEL 5.00 W.L. DATE 10/23/1986
SCREEN INT. 47.00 - 54.00
DRILLER B J DRILL CO
WELL OWNER BEETHE, JAMES M.

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	DARK BROWN SOFT TOPSOIL
2 :	2-6	DARK BROWN CLAY SAND ROCKS
3 :	6-13	BROWN CLAY S&G SEMI CEMENTED
4 :	13-24	BROWN CLAY SAND CEMENTED
5 :	24-35	BROWN CLAY SOME SAND
6 :	35-54	GRAY SAND GRAVEL W/LAYER CLAY/WATER

SITEID	472936122011701	LOCAL NUM.	23N/06E-10K02
LATITUDE	47d29m36s	LONGITUDE	122d01m17s
ALTITUDE	170.00	CONST. DATE	04/02/1980
WELL DEPTH	40.00	HOLE DEPTH	40.00
WATER LEVEL	4.00	W.L. DATE	04/02/1980
SCREEN INT.	40.00 - 40.00		
DRILLER	JOHNSON		
WELL OWNER	SINCLETSON, ANTHONY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-8	BROWN CLAY
3 :	8-16	BROWN SAND AND GRAVEL
4 :	16-40	BROWN WATER SAND AND GRAVEL

SITEID	472924122011501	LOCAL NUM.	23N/06E-10Q03
LATITUDE	47d29m24s	LONGITUDE	122d01m15s
ALTITUDE	210.00	CONST. DATE	08/11/1985
WELL DEPTH	58.00	HOLE DEPTH	58.00
WATER LEVEL	50.00	W.L. DATE	08/11/1988
SCREEN INT.	58.00 - 58.00		
DRILLER	OELKE D CO		
WELL OWNER	PALMER, DAN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-20	STICKEY BROWN SILT
2 :	20-30	LOOSE GRAY GRAVEL
3 :	30-35	BROWN TILL
4 :	35-50	BROWN DAMP SAND
5 :	50-58	WET SAND-COARSE GRAVEL/WATER

SITEID	472924122011502	LOCAL NUM.	23N/06E-10Q04
LATITUDE	47d29m24s	LONGITUDE	122d01m15s
ALTITUDE	210.00 ?	CONST. DATE	03/07/1988
WELL DEPTH	200.00	HOLE DEPTH	205.00
WATER LEVEL	0.00	W.L. DATE	/ /
SCREEN INT.	174.00 - 200.00		
DRILLER	B J DRILL CO		
WELL OWNER	BRADLEY BILL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	BROWN TOPSOIL
2 :	3-5	LIGHT BROWN SAND & GRAVEL
3 :	5-10	BROWN GRAVEL CLAY
4 :	10-40	LIGHT BROWN CLAY GRAVEL
5 :	40-76	BROWN RED CLAY GRAVEL SAND LOOSE
6 :	76-100	BROWN SAND GRAVEL STREAKS
7 :	100-111	BROWN SAND CLAY GRAVEL SEMI HARD
8 :	111-115	BROWN SAND CLAY GRAVEL HARD
9 :	115-121	BROWN GRAVEL CLAY SAND HARD
10 :	121-138	BROWN CLAY SAND W TRACE WATER
11 :	138-140	GRAY CLAY SAND W TRACE WATER
12 :	140-145	BROWN RED CLAY SAND W TRACE WATER
13 :	145-151	GRAY CLAY SAND GRAVEL
14 :	151-156	GRAY CLAY SAND GRAVEL
15 :	156-160	BLUE GRAY CLAY SAND
16 :	160-165	GRAY BLUE GRAVEL SAND CEMENTED
17 :	165-175	BROWN SAND GRAVEL HARD
18 :	175-178	BOULDERS DARK IN COLOR
19 :	178-197	LIGHT BROWN GRAVEL SAND CLAY
20 :	197-200	GRAY CLAY GRAVEL SAND HARD
21 :	200-205	GRAVEL W WATER

SITEID	472924122011503	LOCAL NUM.	23N/06E-10Q05
LATITUDE	47d29m24s	LONGITUDE	122d01m15s
ALTITUDE	210.00	CONST. DATE	09/27/1986
WELL DEPTH	68.00	HOLE DEPTH	68.00
WATER LEVEL	17.00	W.L. DATE	08/27/1986
SCREEN INT.	58.00 - 68.00		
DRILLER	BURAAS D CO		
WELL OWNER	HAYES LARRY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	BROWN CLAY
2 :	4-68	BROWN CONGLOMERATED GRAVEL

SITEID	472924122011504	LOCAL NUM.	23N/06E-10Q06
LATITUDE	47d29m24s	LONGITUDE	122d01m15s
ALTITUDE	210.00	CONST. DATE	08/20/1986
WELL DEPTH	152.00	HOLE DEPTH	152.00
WATER LEVEL	80.00	W.L. DATE	08/20/1986
SCREEN INT.	142.00 - 152.00		
DRILLER	BURAAS D CO		
WELL OWNER	HAYES LARRY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-69	BROWN SANDY CLAY
2 :	69-83	BRN SEMI-CONGLOMERATED GVL OCC BLDR
3 :	83-123	GRAY HARD PAN WITH BOULDERS
4 :	123-132	GRAY MEDIUM WASHED SAND
5 :	132-152	GRAY WASHED FINE SAND

SITEID	472924122011505	LOCAL NUM.	23N/06E-10Q07
LATITUDE	47d29m24s	LONGITUDE	122d01m15s
ALTITUDE	210.00	CONST. DATE	06/20/1983
WELL DEPTH	300.00	HOLE DEPTH	300.00
WATER LEVEL	170.00	W.L. DATE	06/30/1983
SCREEN INT.	180.00 - 300.00		
DRILLER	NORTHWEST		
WELL OWNER	GREGG BOB		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	TOPSOIL BROWN DRY
2 :	1-12	SAND & GRAVEL BROWN DRY BOULDERS
3 :	12-57	GLACIAL TILL BROWN DRY
4 :	57-126	SAND AND GRAVEL BROWN DAMP
5 :	126-178	SAND SILTY BROWN DRY OCC GRAY
6 :	178-300	BASALT BLUE DRY

SITEID	472924122011506	LOCAL NUM.	23N/06E-10Q08
LATITUDE	47d29m24s	LONGITUDE	122d01m15s
ALTITUDE	210.00	CONST. DATE	09/22/1980
WELL DEPTH	81.00	HOLE DEPTH	83.00
WATER LEVEL	28.00	W.L. DATE	00/00/0000
SCREEN INT.	63.40 - 76.00		
DRILLER	B J DRILL CO		
WELL OWNER	WALLICK MEL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	DARK BROWN COARSE SAND ROCKS
2 :	2-3	DARK BROWN CLAY COARSE SAND ROCKS
3 :	3-18	BRN SM CL GVL CRSE SA CEM BLDRS 16'
4 :	18-42	BRN C&S GRVL ROCKS CEMENTED V.HARD
5 :	42-63	BRN C SANDY SOME LRGE GRVL TRACEH2O
6 :	63-66	GRAY CLAY GRAVEL STEAK SAND
7 :	66-68	COURSE GRVL SAND WATER
8 :	68-69	BRN CLAY COARSE SAND GRAVEL FINES
9 :	69-73	GRAY CLAY SAND SILT TRACE OF WATER
10 :	73-76	GRAVEL SANDY CLAY SILT GRAVEL WATER
11 :	76-83	GRAY CLAY SAND TRACE OF WATER

SITEID	472908122002001	LOCAL NUM.	23N/06E-14C02
LATITUDE	47d29m08s	LONGITUDE	122d00m20s
ALTITUDE	750.00	CONST. DATE	06/27/1986
WELL DEPTH	126.00	HOLE DEPTH	126.00
WATER LEVEL	105.00	W.L. DATE	06/27/1986
SCREEN INT.	126.00 - 126.00		
DRILLER	JOHNSON		
WELL OWNER	WULFF A S/BAILEY GARY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-12	BROWN SANDY GRAVEL
3 :	12-23	BROWN HARDPAN
4 :	23-46	BROWN CLAY GRAVEL
5 :	46-93	BROWN HARDPAN
6 :	93-120	BROWN CLAY GRAVEL
7 :	120-126	BROWN WATER SAND AND GRAVEL
8 :	126-	BROWN HARDPAN GRAVEL

SITEID	472908122002002	LOCAL NUM.	23N/06E-14C03
LATITUDE	47d29m08s	LONGITUDE	122d00m20s
ALTITUDE	750.00	CONST. DATE	10/28/1985
WELL DEPTH	178.00	HOLE DEPTH	178.00
WATER LEVEL	160.00	W.L. DATE	10/28/1985
SCREEN INT.	178.00 - 178.00		
DRILLER	JOHNSON		
WELL OWNER	MOUGIN PAUL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-9	BROWN SAND & GRAVEL
3 :	9-18	GRAY HARDPAN
4 :	18-30	BROWN HARDPAN
5 :	30-38	GRAY SAND AND GRAVEL
6 :	38-56	BROWN SAND AND GRAVEL
7 :	56-60	BROWN CLAY
8 :	60-100	BROWN SAND AND GRAVEL CLAY
9 :	100-150	BROWN SAND
10 :	150-157	GRAY GRAVEL
11 :	157-173	BROWN SAND AND GRAVEL
12 :	173-176	BROWN CLAY
13 :	176-178	BROWN WATER GRAVEL
14 :	178-	GRAY GRAVEL

SITEID	472908122002003	LOCAL NUM.	23N/06E-14C04
LATITUDE	47d29m08s	LONGITUDE	122d00m20s
ALTITUDE	750.00	CONST. DATE	03/04/1981
WELL DEPTH	190.00	HOLE DEPTH	190.00
WATER LEVEL	175.00	W.L. DATE	03/04/1981
SCREEN INT.	190.00 - 190.00		
DRILLER	JOHNSON		
WELL OWNER	SEDAR CHUCK		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-14	BROWN CLAY GRAVEL
3 :	14-35	BROWN HARDPAN
4 :	35-50	GRAY HARDPAN
5 :	50-60	BROWN HARDPAN
6 :	60-80	BROWN SAND
7 :	80-90	BROWN HARDPAN
8 :	90-120	BROWN SAND AND GRAVEL
9 :	120-163	BROWN GRAVEL
10 :	163-182	BROWN HARDPAN ROCKS
11 :	182-190	BROWN SAND & GRAVEL CLAY WATER SEAM

SITEID	472909122003701	LOCAL NUM.	23N/06E-14D01
LATITUDE	47d29m09s	LONGITUDE	122d00m37s
ALTITUDE	620.00	CONST. DATE	05/10/1979
WELL DEPTH	152.00	HOLE DEPTH	152.00
WATER LEVEL	126.00	W.L. DATE	05/10/1979
SCREEN INT.	152.00 - 152.00		
DRILLER	JOHNSON		
WELL OWNER	SNIDER DON		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-67	BROWN HARDPAN ROCKS
3 :	67-110	BROWN HARDPAN GRAVEL
4 :	110-136	BROWN SAND AND GRAVEL
5 :	136-152	BROWN WATER GRAVEL

SITEID	472909122003702	LOCAL NUM.	23N/06E-14D02
LATITUDE	47d29m09s	LONGITUDE	122d00m37s
ALTITUDE	720.00	CONST. DATE	08/01/1979

WELL DEPTH	200.00	HOLE DEPTH	280.00
WATER LEVEL	0.00	W.L. DATE	/ /
SCREEN INT.	200.00 - 200.00		
DRILLER	JOHNSON		
WELL OWNER	WILBOUR CRAIG		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-45	BROWN HARDPAN
3 :	45-118	BROWN HARDPAN GRAVEL
4 :	118-130	BROWN SAND AND GRAVEL
5 :	130-183	BROWN HARDPACKED GRAVEL
6 :	183-250	GRAY CLAY SHOCKED GRAVEL
7 :	250-280	BROWN SAND

SITEID	472909122003703	LOCAL NUM.	23N/06E-14D03
LATITUDE	47d29m09s	LONGITUDE	122d00m37s
ALTITUDE	620.00	CONST. DATE	08/13/1988
WELL DEPTH	105.00	HOLE DEPTH	105.00
WATER LEVEL	60.00	W.L. DATE	08/13/1988
SCREEN INT.	100.00 - 105.00		
DRILLER	MUELLER		
WELL OWNER	CULP BILL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-16	SURFACE SOIL
2 :	16-30	SAND & ROCKS
3 :	30-38	1 BIG ROCK
4 :	38-99	ROCKS AND MORE ROCKS
5 :	98-105	SAND WATER

SITEID	472856122004001	LOCAL NUM.	23N/06E-14E02
LATITUDE	47d28m56s	LONGITUDE	122d00m40s
ALTITUDE	580.00	CONST. DATE	06/15/1983
WELL DEPTH	286.00	HOLE DEPTH	327.00
WATER LEVEL	0.00	W.L. DATE	00/00/0000
DRILLER	B J DRILL CO		
WELL OWNER	HARRINGTON MIKE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	BROWN TOPSOIL
2 :	2-10	BROWN SAND
3 :	10-15	BROWN SAND GRAVEL CLAY BOULDERS
4 :	15-21	GREEN SAND GRAVEL CLAY CEMENTED
5 :	21-35	GREEN CLAY SAND GRAVEL BOULDERS
6 :	35-57	GREEN SAND GRAVEL CEMENTED
7 :	57-65	BROWN SAND GRAVEL CLAY CEMENTED
8 :	65-77	GREEN SAND GRAVEL CLAY CEMENTED
9 :	77-87	BROWN SAND GRAVEL CLAY CEMENTED
10 :	87-114	GREEN SAND GRAVEL CLAY CEMENTED
11 :	114-116	GREEN CLAY SAND GRAVEL SOFT
12 :	116-118	GREEN CLAY SAND GRAVEL CEMENTED
13 :	118-127	GREEN CLAY
14 :	127-130	GREEN SAND GRAVEL CEMENTED
15 :	130-136	GRAY CLAY W SAND, SOFT
16 :	136-143	GREEN CLAY W SAND SOFT
17 :	143-151	GREEN SAND GRAVEL CLAY CEMENTED
18 :	151-156	GREEN SAND GRAVEL SEMI LOOSE
19 :	156-157	GREEN SAND, GRAVEL CEMENTED
20 :	157-158	GREEN CLAY
21 :	158-166	GREEN CLAY W STRIPS OF SAND
22 :	166-183	GRAY SAND W CLAY SEMI-CEMENTED
23 :	183-194	DARK BROWN CLAY W SAND SOFT
24 :	194-199	GRAY CLAY SAND GRAVEL SOFT
25 :	199-220	GREEN SHALE SOFT
26 :	220-261	GREEN & RED SHALE SOFT
27 :	300-305	GREEN & RED SHALE SOFT STICKY
28 :	305-318	RED & GREEN SHALE SOFT STICKY
29 :		

SITEID	472856122004002	LOCAL NUM.	23N/06E-14E03
LATITUDE	47d28m56s	LONGITUDE	122d00m40s
ALTITUDE	560.00	CONST. DATE	02/12/1982
WELL DEPTH	204.00	HOLE DEPTH	204.00
WATER LEVEL	186.00	W.L. DATE	02/12/1982
SCREEN INT.	204.00 - 204.00		
DRILLER	JOHNSON		
WELL OWNER	PLANQUE KENNETH E		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-38	BROWN HARDPAN
3 :	38-128	GRAY HARDPAN
4 :	128-133	BROWN SANDY CLAY
5 :	133-175	GRAY HARDPAN
6 :	175-196	GRAY CLAY
7 :	196-204	BROWN GRAVEL CLAY

SITEID	472856122004003	LOCAL NUM.	23N/06E-14E04
LATITUDE	47d28m56s	LONGITUDE	122d00m40s
ALTITUDE	570.00	CONST. DATE	05/03/1979
WELL DEPTH	187.00	HOLE DEPTH	187.00
WATER LEVEL	127.00	W.L. DATE	05/03/1979
SCREEN INT.	187.00 - 187.00		
DRILLER	JOHNSON		
WELL OWNER	BOURGEOIS HERMAN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-28	BROWN HARDPAN ROCKS
3 :	28-112	GRAY HARDPAN ROCKS
4 :	112-127	GRY HARDPACKED GRAVEL
5 :	127-177	GRAY LOOSE GRAVEL
6 :	177-187	GRAY WATER GRAVEL

SITEID	472856122004004	LOCAL NUM.	23N/06E-14E05
LATITUDE	47d28m56s	LONGITUDE	122d00m40s
ALTITUDE	570.00	CONST. DATE	11/21/1978
WELL DEPTH	180.00	HOLE DEPTH	180.00
WATER LEVEL	147.00	W.L. DATE	11/21/1978

SCREEN INT. 180.00 - 180.00
DRILLER JOHNSON
WELL OWNER RAHM CARL

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-42	BROWN SAND & GRAVEL
3 :	42-56	GRAY HARDPAN BOULDERS
4 :	56-62	BROWN HARDPAN GRAVEL
5 :	62-124	BROWN LOOSE SAND AND GRAVEL
6 :	124-130	BROWN CLAY WITH GRAVEL
7 :	130-165	GRAY CLAY
8 :	165-180	GRAY WATER GRAVEL

SITEID 472856122004005 LOCAL NUM. 23N/06E-14E06
LATITUDE 47d28m56s LONGITUDE 122d00m40s
ALTITUDE 560.00 CONST. DATE 06/28/1979
WELL DEPTH 205.00 HOLE DEPTH 260.00
WATER LEVEL 120.00 W.L. DATE 06/28/1979
SCREEN INT. 186.00 - 195.00
DRILLER BURAAS D CO
WELL OWNER STRAND RANDY

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-26	BROWN SANDY HARD PAN
2 :	26-38	REDDISH BROWN HARDPAN
3 :	39-45	DARK BROWN GRAVELY HARD PAN
4 :	45-95	LIGHT BROWN CONGLOMERATED GRAVEL
5 :	95-121	LT BRN HARD PAN WITH SOME BOULDERS
6 :	121-151	LT BRN SEMI CONGLOMERATED S & G
7 :	151-157	GRAY CLAY WITH SILTY SAND LAYERS
8 :	157-165	BROWN SANDY SILTY CLAY
9 :	165-173	GRAY CLAY WITH BOULDERS
10 :	173-195	GRAY SILT W OCC SANDY CLAY LAYERS
11 :	195-204	GRAY SAND STONE
12 :	204-260	REDDISH BRN SAND STONE

SITEID 472813122001001 LOCAL NUM. 23N/06E-14F01
LATITUDE 47d28m13s LONGITUDE 122d00m10s
ALTITUDE 440.00 CONST. DATE 01/12/1983
WELL DEPTH 227.00 HOLE DEPTH 227.00
WATER LEVEL 200.00 W.L. DATE 01/12/1983
DRILLER JOHNSON
WELL OWNER FROYEN WALLY

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-60	BROWN HARDPAN
3 :	60-190	GRAY HARDPAN
4 :	190-210	GRYA DECAYED ROCK
5 :	210-227	BROWN LOOSE GRAVEL W WATER

SITEID 472710122003501 LOCAL NUM. 23N/06E-14G01
LATITUDE 47d27m10s LONGITUDE 122d00m35s
ALTITUDE 760.00 CONST. DATE 07/30/1982
WELL DEPTH 105.00 HOLE DEPTH 105.00
WATER LEVEL 60.00 W.L. DATE 07/30/1982
SCREEN INT. 105.00 - 105.00
DRILLER JOHNSON
WELL OWNER PERKINS BOB

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-8	SURFACE LOAM
2 :	8-26	GRAY HARDPAN
3 :	26-64	BROWN HARDPAN
4 :	64-101	GRAY HARDPAN
5 :	101-105	BROWN WATER SAND AND GRAVEL
6 :	105-	BROWN WATER SAND

SITEID 472841122002001 LOCAL NUM. 23N/06E-14L01
LATITUDE 47d28m41s LONGITUDE 122d00m20s
ALTITUDE 570.00 CONST. DATE 10/28/1983
WELL DEPTH 120.00 HOLE DEPTH 120.00
WATER LEVEL 93.00 W.L. DATE 10/28/1983
SCREEN INT. 120.00 - 120.00
DRILLER NW PUMP
WELL OWNER SCHNEIDER HOMES

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SAND & GRAVEL BROWN DRY
2 :	2-54	GLACIAL TILL SILTY COBBLY BRN DRY
3 :	54-102	WATER BEARING SAND AND GRAVEL BRN
4 :	102-112	GLACIAL TILL BROWN WET
5 :	112-120	WATER BEARING SAND AND GRAVEL

SITEID 472841122002002 LOCAL NUM. 23N/06E-14L02
LATITUDE 47d28m41s LONGITUDE 122d00m20s
ALTITUDE 550.00 CONST. DATE 05/31/1979
WELL DEPTH 169.00 HOLE DEPTH 169.00
WATER LEVEL 130.00 W.L. DATE 05/31/1979
SCREEN INT. 169.00 - 169.00
DRILLER JOHNSON
WELL OWNER SCHAFF ANTHONY

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-8	BROWN CLAY
3 :	8-29	BROWN HARDPAN
4 :	29-67	GRAY HARDPAN
5 :	67-131	BROWN HARDPAN GRAVEL
6 :	131-163	BROWN GRAVEL
7 :	163-169	BROWN GRAVEL WATER
8 :	169-	BROWN HARDPAN

SITEID 472841122002003 LOCAL NUM. 23N/06E-14L03
LATITUDE 47d28m41s LONGITUDE 122d00m20s

ALTITUDE	570.00	CONST. DATE	01/23/1979
WELL DEPTH	97.00	HOLE DEPTH	97.00
WATER LEVEL	65.00	W.L. DATE	01/23/1979
SCREEN INT.	97.00 - 97.00		
DRILLER	NW PUMP		
WELL OWNER	BLOSS CARL/SCHNEIDER HOMES		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-85	BROWN TILL
3 :	85-97	WATER BEARING SAND AND GRAVEL

SITEID	472841122002004	LOCAL NUM.	23N/06E-14L04
LATITUDE	47d28m41s	LONGITUDE	122d00m20s
ALTITUDE	550.00	CONST. DATE	06/28/1979
WELL DEPTH	60.00	HOLE DEPTH	60.00
WATER LEVEL	35.00	W.L. DATE	06/28/1979
SCREEN INT.	60.00 - 60.00		
DRILLER	JOHNSON		
WELL OWNER	HAMANN VERN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-12	BROWN CLAY ROCKS
3 :	12-40	BROWN HARDPAN
4 :	40-43	BROWN WATER GRAVEL
5 :	43-52	BROWN HARDPAN
6 :	52-60	BROWN WATER SAND AND GRAVEL

SITEID	472841122002005	LOCAL NUM.	23N/06E-14L05
LATITUDE	47d28m41s	LONGITUDE	122d00m20s
ALTITUDE	570.00	CONST. DATE	04/27/1978
WELL DEPTH	220.00	HOLE DEPTH	220.00
WATER LEVEL	182.00	W.L. DATE	04/27/1978
SCREEN INT.	200.00 - 212.00		
DRILLER	NW PUMP		
WELL OWNER	GIBSON GALE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-220	BROWN TILL

SITEID	472843122004001	LOCAL NUM.	23N/06E-14M01
LATITUDE	47d28m43s	LONGITUDE	122d00m40s
ALTITUDE	450.00	CONST. DATE	04/18/1978
WELL DEPTH	460.00	HOLE DEPTH	460.00
WATER LEVEL	105.00	W.L. DATE	04/18/1979
SCREEN INT.	25.00 - 155.00		
DRILLER	RICHARDSON		
WELL OWNER	BEUSLINCH RONALD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-18	LOOSE SILTY SAND AND GRAVEL
2 :	18-30	SILTY SAND CLAY & SOME GRAVEL
3 :	30-34	SAND GRAVEL & SEEPAGE
4 :	34-55	BROWN CLAY SOME SAND AND GRAVEL
5 :	55-65	GRAY CLAY
6 :	65-85	GLACIAL TILL (DRY)
7 :	85-95	SAND GRAVEL GRAY CLAY AND SEEPAGE
8 :	95-120	GLACIAL TILL (DRY)
9 :	120-135	SAND GRAVEL AND BOULDERS
10 :	135-160	SAND GRAVEL LITTLE CLAY
11 :	160-167	GRAY CLAY SAND AND GRAVEL
12 :	167-172	BROWN CLAY SAND
13 :	172-181	BROWN CLAY AND PEAT
14 :	181-189	BROWN CLAY AND COAL
15 :	189-210	BROWN CLAY AND COAL
16 :	210-214	BROWN CLAY
17 :	214-226	BROWN CLAY SOME GRAVEL
18 :	226-230	GRAY CLAY AND COAL
19 :	230-251	GRAY CLAY SOME SAND
20 :	251-262	GRAY STICKY CLAY SOME SAND
21 :	262-275	GRAY STICKY CLAY, SOME SAND
22 :	275-278	GRAY STICKY CLAY SOME GRAVEL
23 :	278-288	GRAY STICKY CLAY
24 :	288-304	GRAY STICKY CLAY
25 :	304-448	SAND STONE W/ SILT STONE AND GRAVEL
26 :	448-462	HARD GRAY BASALT

SITEID	472832122004001	LOCAL NUM.	23N/06E-14N02
LATITUDE	47d28m32s	LONGITUDE	122d00m40s
ALTITUDE	450.00	CONST. DATE	08/29/1980
WELL DEPTH	66.00	HOLE DEPTH	66.00
WATER LEVEL	15.00	W.L. DATE	08/29/1980
SCREEN INT.	66.00 - 66.00		
DRILLER	JOHNSON		
WELL OWNER	CLAY LARRY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-16	BROWN HARDPAN
3 :	16-22	BROWN WATER GRAVEL
4 :	22-57	GRAY HARDPAN
5 :	57-66	GRAY WATER SAND AND GRAVEL

SITEID	472829122002001	LOCAL NUM.	23N/06E-14P02
LATITUDE	47d28m29s	LONGITUDE	122d00m20s
ALTITUDE	560.00	CONST. DATE	07/21/1988
WELL DEPTH	78.00	HOLE DEPTH	78.00
WATER LEVEL	51.00	W.L. DATE	07/20/1988
SCREEN INT.	78.00 - 78.00		
DRILLER	BURAAS D CO		
WELL OWNER	WASSON RICHARD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	LOAM
2 :	2-12	BROWN SEMI-CONGLOMERATED GRAVEL
3 :	12-23	BROWN HARDPAN W OCC BOULDERS

4 :	23-39	BROWN DRY GRAVEL
5 :	39-45	BROWN FINE SAND & CLAY
6 :	45-51	BROWN DRY SAND & GRAVEL
7 :	51-78	BROWN WASHED SAND & GRAVEL

SITEID	472829122002002	LOCAL NUM.	23N/06E-14P03
LATITUDE	47d28m29s	LONGITUDE	122d00m20s
ALTITUDE	560.00	CONST. DATE	04/23/1976
WELL DEPTH	400.00	HOLE DEPTH	400.00
WATER LEVEL	60.00	W.L. DATE	04/23/1976
SCREEN INT.	200.00 - 400.00		
DRILLER	RICHARDSON		
WELL OWNER	ROGERS JORDAN B.		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL & GRAVEL
2 :	2-7	GRAVEL CLAY & BOULDERS
3 :	7-19	HARDPAN AND BOULDERS
4 :	19-20	SEEPAGE
5 :	20-88	HARDPAN AND BOULDERS
6 :	88-96	BOULDERS AND HARDPAN
7 :	96-142	FRACTURED ROCK
8 :	142-153	WHITE SANDSTONE
9 :	153-180	GRAY SANDSTONE
10 :	180-195	SOFT WHITE SANDSTONE
11 :	195-235	GREEN SOFT SANDSTONE
12 :	235-264	GRAY SANDSTONE
13 :	264-280	BLACK ROCK
14 :	280-301	WHITE SANDSTONE
15 :	301-320	GRAY SANDSTONE
16 :	320-350	HARD SANDSTONE
17 :	350-380	LIGHT GRAY SANDSTONE
18 :	380-400	SANDSTONE & CLAY

SITEID	472829122000001	LOCAL NUM.	23N/06E-14Q01
LATITUDE	47d28m29s	LONGITUDE	122d00m00s
ALTITUDE	630.00	CONST. DATE	07/06/1979
WELL DEPTH	120.00	HOLE DEPTH	120.00
WATER LEVEL	84.00	W.L. DATE	07/06/1979
SCREEN INT.	120.00 - 120.00		
DRILLER	NW PUMP		
WELL OWNER	RICHARDSON DICK		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	TOPSOIL
2 :	1-13	BROWN TILL
3 :	13-57	BROWN SAND AND GRAVEL
4 :	57-118	BROWN TILL
5 :	118-120	WATER BEARING SAND AND GRAVEL

SITEID	472829122000002	LOCAL NUM.	23N/06E-14Q02
LATITUDE	47d28m29s	LONGITUDE	122d00m00s
ALTITUDE	630.00	CONST. DATE	08/15/1988
WELL DEPTH	70.00	HOLE DEPTH	70.00
WATER LEVEL	20.00	W.L. DATE	08/15/1988
SCREEN INT.	70.00 - 70.00		
DRILLER	MORRIS D CO		
WELL OWNER	YOO KATHARINE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-50	BROWN TILL
2 :	50-60	GRAY SANDY LOAM
3 :	60-70	COARSE SAND GRAVEL AND WATER

SITEID	472829122000003	LOCAL NUM.	23N/06E-14Q03
LATITUDE	47d28m29s	LONGITUDE	122d00m00s
ALTITUDE	630.00	CONST. DATE	12/11/1987
WELL DEPTH	107.00	HOLE DEPTH	107.00
WATER LEVEL	8.00	W.L. DATE	12/11/1987
SCREEN INT.	79.00 - 99.00		
DRILLER	EVERGREEN		
WELL OWNER	HAYES J		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-22	BROWN GLACIAL TILL
2 :	22-52	GRAY GLACIAL TILL
3 :	52-107	GRAY SAND TWO-TONE

SITEID	472829122000004	LOCAL NUM.	23N/06E-14Q04
LATITUDE	47d28m29s	LONGITUDE	122d00m00s
ALTITUDE	630.00	CONST. DATE	12/04/1987
WELL DEPTH	480.00	HOLE DEPTH	480.00
WATER LEVEL	100.00	W.L. DATE	12/03/1987
SCREEN INT.	150.00 - 480.00		
DRILLER	MORRIS D CO		
WELL OWNER	YOO KATHERINE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SANDY TOPSOIL
2 :	2-12	BROWN TILL & BOULDERS
3 :	12-55	BROWN TILL SHOT BOULDER AT 46-50FT
4 :	55-100	WHITE SANDSTONE (SOFT)
5 :	100-156	GRAY SANDSTONE FIRM
6 :	156-195	LT BRN SANDSTONE HARD TO SOFT AREAS
7 :	195-250	GRAY SANDSTONE HARD AND SOFT AREAS
8 :	250-320	WHITE SANDSTONE SOFT
9 :	320-400	LIGHT BROWN SANDSTONE
10 :	400-480	GRAY SANDSTONE

SITEID	472829122000005	LOCAL NUM.	23N/06E-14Q05
LATITUDE	47d28m29s	LONGITUDE	122d00m00s
ALTITUDE	630.00	CONST. DATE	06/05/1987
WELL DEPTH	113.00	HOLE DEPTH	113.00
WATER LEVEL	48.00	W.L. DATE	06/05/1987
SCREEN INT.	113.00 - 113.00		
DRILLER	MORRIS D CO		
WELL OWNER	NATHAN ROBERT		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-20	ROCK & GRAVEL
2 :	20-45	GRAVEL
3 :	45-70	BROWN TILL
4 :	70-81	BROWN TILL AND ROCKS
5 :	81-105	GRAVEL (DRY)
6 :	105-113	GRAVEL AND WATER

SITEID	472829122000006	LOCAL NUM.	23N/06E-14Q06
LATITUDE	47d28m29s	LONGITUDE	122d00m00s
ALTITUDE	630.00	CONST. DATE	08/28/1979
WELL DEPTH	100.00	HOLE DEPTH	100.00
WATER LEVEL	65.00	W.L. DATE	08/28/1979
SCREEN INT.	100.00 - 100.00		
DRILLER	NW PUMP		
WELL OWNER	PETITE PAUL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	BROWN SAND & GRAVEL
2 :	2-21	BROWN TILL
3 :	21-27	BROWN SILT
4 :	27-39	BROWN SAND
5 :	39-59	BROWN SAND AND GRAVEL
6 :	59-94	BROWN CLAY OCC. GRAVEL
7 :	94-100	WATER BEARING SAND AND GRAVEL

SITEID	472829122000007	LOCAL NUM.	23N/06E-14Q07
LATITUDE	47d28m29s	LONGITUDE	122d00m00s
ALTITUDE	630.00	CONST. DATE	08/29/1979
WELL DEPTH	100.00	HOLE DEPTH	100.00
WATER LEVEL	58.00	W.L. DATE	08/29/1979
SCREEN INT.	100.00 - 100.00		
DRILLER	NW PUMP		
WELL OWNER	PETITE PAUL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-38	BROWN TILL
3 :	38-51	BLUE TILL
4 :	51-74	BROWN SILT
5 :	74-82	BLUE SILT
6 :	82-93	BROWN SILTY SAND AND GRAVEL
7 :	93-100	WATER BEARING SAND AND GRAVEL

SITEID	472908122010001	LOCAL NUM.	23N/06E-15A01
LATITUDE	47d29m08s	LONGITUDE	122d01m00s
ALTITUDE	440.00	CONST. DATE	07/29/1985
WELL DEPTH	141.00	HOLE DEPTH	141.00
WATER LEVEL	106.00	W.L. DATE	07/29/1985
SCREEN INT.	108.00 - 128.00		
DRILLER	NW PUMP		
WELL OWNER	MCGILL CHICK		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-17	BRN CEMENTED SAND & GRAVEL
3 :	17-37	BROWN SAND AND GRAVEL
4 :	37-77	BROWN SILTY SAND
5 :	77-137	BLUE TILL
6 :	110-130	SMALL AMOUNT OF WATER
7 :	131-141	SILTSTONE

SITEID	472908122010002	LOCAL NUM.	23N/06E-15A02
LATITUDE	47d29m08s	LONGITUDE	122d01m00s
ALTITUDE	440.00	CONST. DATE	10/16/1983
WELL DEPTH	193.00	HOLE DEPTH	194.00
WATER LEVEL	144.00	W.L. DATE	10/18/1983
SCREEN INT.	183.00 - 188.00		
DRILLER	B J DRILL CO		
WELL OWNER	KNEISLEY PHIL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	BROWN TOPSOIL
2 :	2-7	BROWN CLAY SAND GRAVEL ROCKS
3 :	7-12	DK BRN CLAY MORE SAND SMALLER GRVL
4 :	12-18	BROWN CLAY SAND GRAVEL ROCKS
5 :	18-28	BROWN CLAY SAND LARGE GRAVEL ROCKS
6 :	28-40	BROWN CLAY SAND GRAVEL
7 :	40-50	BROWN CLAY SOFTER SAND SMALL GRVL
8 :	50-52	BROWN CLAY SAND GRAVEL HARD
9 :	52-60	BRN CLAY SAND GRAVEL (LGE)STREAKS
10 :	60-64	LT BRN CLAY SAND GRVL W/LOOSE STRKS
11 :	64-65	LARGE ROCKS
12 :	65-98	BROWN CLAY SAND GRAVEL
13 :	98-110	BROWN SAND GRAVEL CLAY ROCKS
14 :	110-122	BROWN CLAY SAND GRAVEL
15 :	122-127	BROWN SAND CLAY
16 :	127-132	BROWN SAND GRAVEL CLAY CEMENTED
17 :	132-158	BRN S&GRVL CEMENTED TRACE OF MOIST
18 :	158-174	BROWN CLAY SILT AND SAND
19 :	174-180	BLK & WHITE COURSE SAND GRAVEL H20
20 :	180-187	GRAY SAND GRAVEL
21 :	187-191	GRAY & BROWN CLAY
22 :	191-194	GRAY SILT GRAVEL
23 :	194-194	GREEN SHALE

SITEID	472908122010003	LOCAL NUM.	23N/06E-15A03
LATITUDE	47d29m08s	LONGITUDE	122d01m00s
ALTITUDE	440.00	CONST. DATE	02/16/1982
WELL DEPTH	136.00	HOLE DEPTH	136.00
WATER LEVEL	18.00	W.L. DATE	02/16/1982
SCREEN INT.	131.00 - 136.00		
DRILLER	B J DRILL CO		
WELL OWNER	HOLLINGSWORTH BILL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	BROWN SAND CLAY GRAVEL ROCKS
2 :	4-18	LIGHT BROWN SAND GRAVEL CLAY

3 :	18-23	LT BRN CLAY GRAVEL SAND ROCKS
4 :	23-26	BRN LT C&G SAND ROCKS BOULDERS
5 :	26-70	LIGHT BROWN CLAY GRAVEL ROCKS
6 :	70-95	DARK BRN CLAY SAND GRAVEL CEMENTED
7 :	95-108	LT BRN GRAY SAND GRAVEL ROCKS
8 :	108-117	LIGHT BROWN CLAY GRAVEL ROCK
9 :	117-118	BOLDERS
10 :	118-127	LT BRN SAND CLAY GRAVEL SEMI-HARD
11 :	127-133	BN CRSE SND CL PEA GRAVEL RED WATER
12 :	133-135	BROWN SAND GRAVEL WATER
13 :	135-136	GRAY CEMENTED SAND GRAVEL CLAY

SITEID	472908122010004	LOCAL NUM.	23N/06E-15A04
LATITUDE	47d29m08s	LONGITUDE	122d01m00s
ALTITUDE	440.00	CONST. DATE	06/21/1979
WELL DEPTH	283.00	HOLE DEPTH	294.00
WATER LEVEL	194.00	W.L. DATE	06/21/1979
SCREEN INT.	273.00 - 283.00		
DRILLER	B J DRILL CO		
WELL OWNER	POTTER BRADLEY/DAVIS		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-10	LIGHT BROWN CLAY SAND GRAVEL ROCKS
2 :	10-26	LIGHT GRAY CLAY GRAVEL
3 :	26-36	GRAY CLAY GRAVEL SAND LOOSE
4 :	36-42	GRAY CLAY GRAVEL SAND HARD
5 :	42-43	BRN CLAY GRAVEL SAND (TRACE WATER)
6 :	43-53	GRAY CLAY GRAVEL SAND CEMENTED
7 :	53-54	GRAY CLAY GRAVEL DRY HARD
8 :	54-79	GRAY CLAY DRY GRAVEL STREAKS HARD
9 :	79-97	GRAY & DARK GRAY CLAY GRAVEL SAND
10 :	97-106	BROWN CLAY GRAVEL CEMENTED
11 :	106-135	LIGHT BRN CLAY GRAVEL SAND
12 :	135-155	BRN CLAY GRAVEL SAND CLAY
13 :	155-176	LIGHT BROWN CLAY GRAVEL SAND
14 :	176-186	GRAY CLAY GRAVEL SAND SEMI-HARD
15 :	186-216	LIGHT GRAY CLAY GRAVEL SAND CEMENT
16 :	216-220	LT GRAY CLAY GRAVEL SAND (TRACEH20)
17 :	220-231	LT GRAY CLAY GRAVEL SAND CEMENTED
18 :	231-233	LT GRAY CLAY STREAKS OF GRAVEL (H20
19 :	233-247	GRAY CLAY GRAVEL SAND CEMENTED
20 :	247-250	GRAY CLAY GRAVEL (TRACE OF WATER)
21 :	250-257	GRAY CLAY GRAVEL FINE SAND HARD
22 :	257-260	GR C W/STRKS OF COBLS LG GVL S H20
23 :	260-273	GRAY CLAY SOME GRAVEL CEMENTED
24 :	273-279	GRAY CL GRVL STREAKS FINE SA TR WTR
25 :	279-287	GR CLAY FINE SAND SILT (TRACE H20)
26 :	287-294	BLUE GRAY CLAY GRAVEL SAND STICKIE

SITEID	472903122013001	LOCAL NUM.	23N/06E-15B01
LATITUDE	47d29m03s	LONGITUDE	122d01m30s
ALTITUDE	260.00	CONST. DATE	05/11/1984
WELL DEPTH	217.00	HOLE DEPTH	217.00
WATER LEVEL	141.00	W.L. DATE	05/11/1984
DRILLER	JOHNSON		
WELL OWNER	BARON RANDALL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-47	BROWN SAND & GRAVEL
3 :	47-95	BROWN SANDY CLAY - GRAVEL
4 :	95-153	BROWN SAND
5 :	153-155	BROWN HARDPAN
6 :	155-180	BROWN SAND
7 :	180-211	GRAY BROWN SAND
8 :	211-217	GRAY BROWN WATER SAND & GRAVEL

SITEID	472909122012001	LOCAL NUM.	23N/06E-15B02
LATITUDE	47d29m09s	LONGITUDE	122d01m20s
ALTITUDE	300.00	CONST. DATE	03/20/1974
WELL DEPTH	170.00	HOLE DEPTH	172.00
WATER LEVEL	150.00	W.L. DATE	03/20/1974
SCREEN INT.	166.00 - 170.00		
DRILLER	EVERGREEN		
WELL OWNER	CURRAN ANITA		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	ROCK & GRAVEL
2 :	12-89	BROWN HARDPAN
3 :	89-98	GRAVEL AND SAND
4 :	98-106	BROWN SAND
5 :	106-155	BROWN HARDPAN
6 :	155-170	BRN S PROGRESSIVELY GETTING CLEAN

SITEID	472909122012002	LOCAL NUM.	23N/06E-15B03
LATITUDE	47d29m09s	LONGITUDE	122d01m20s
ALTITUDE	300.00	CONST. DATE	05/28/1980
WELL DEPTH	191.00	HOLE DEPTH	191.00
WATER LEVEL	95.00	W.L. DATE	05/28/1980
SCREEN INT.	191.00 - 191.00		
DRILLER	NW PUMP		
WELL OWNER	MILLER LARRY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-9	SAND & GRAVEL BROWN
2 :	9-23	SILTY SAND OCC GRAVEL BROWN
3 :	23-28	SILTY SAND AND GRAVEL BROWN
4 :	28-57	SAND FINE BROWN
5 :	57-92	SILTY SAND OCC GRAVEL BROWN
6 :	92-94	SILTY SAND AND GRAVEL BLUE
7 :	94-116	GLACIAL TILL, BLUE
8 :	116-125	SILTY SAND & GRAVEL BLUE
9 :	125-181	GLACIAL TILL BROWN
10 :	181-191	WATER BEARING SAND & GRAVEL BROWN

SITEID	472910122013901	LOCAL NUM.	23N/06E-15C03
LATITUDE	47d29m10s	LONGITUDE	122d01m39s
ALTITUDE	200.00	CONST. DATE	02/10/1978
WELL DEPTH	55.00	HOLE DEPTH	55.00
WATER LEVEL	-0.50	W.L. DATE	00/00/0000
SCREEN INT.	50.00 - 55.00		
DRILLER	H O MEYER		

WELL OWNER HANSON GARY

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL BROWN CLAY
2 :	2-14	BROWN GRAVEL LARGE
3 :	14-40	GRAY SILTY SAND
4 :	40-47	GRAY SAND & GR
5 :	47-55	GRAY S & GR ARTESIAN 60 GPM

SITEID	472910122013902	LOCAL NUM.	23N/06E-15C04
LATITUDE	47d29m10s	LONGITUDE	122d01m39s
ALTITUDE	200.00	CONST. DATE	06/16/1978
WELL DEPTH	53.00	HOLE DEPTH	53.00
WATER LEVEL	8.00	W.L. DATE	06/16/1978
SCREEN INT.	48.00 - 53.00		
DRILLER	B J DRILL CO		
WELL OWNER	CHAMBERS WAYNE/CATERAL BOB		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	DARK BROWN TOPSOIL
2 :	2-10	BROWN SAND GRAVEL & DRY CLAY
3 :	10-18	BROWN CLAY SAND GRAVEL (HARD)
4 :	18-38	LT BRN CLAY SAND GRAVEL (HARD)
5 :	38-42	LT GRAY CLAY SAND SOFT
6 :	42-48	LT BRN CLAY SAND (TRACE WATER)
7 :	48-53	GRAVEL SAND WATER (DIRTY)

SITEID	472910122013903	LOCAL NUM.	23N/06E-15C05
LATITUDE	47d29m10s	LONGITUDE	122d01m39s
ALTITUDE	200.00	CONST. DATE	02/11/1983
WELL DEPTH	40.00	HOLE DEPTH	40.00
WATER LEVEL	3.00	W.L. DATE	02/09/1983
SCREEN INT.	36.00 - 40.00		
DRILLER	CABLE TOOL		
WELL OWNER	WALTS CONSTRUCTION		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	CLAY BROWN LARGE ROCKS
2 :	12-35	TILL BROWN
3 :	35-40	SAND GRAY COARSE WATER
4 :	40-41	CLAY, GRAY, GRAVEL

SITEID	472910122013904	LOCAL NUM.	23N/06E-15C06
LATITUDE	47d29m10s	LONGITUDE	122d01m39s
ALTITUDE	200.00	CONST. DATE	01/08/1979
WELL DEPTH	52.00	HOLE DEPTH	57.00
WATER LEVEL	8.00	W.L. DATE	01/08/1979
SCREEN INT.	47.00 - 52.00		
DRILLER	B J DRILL CO		
WELL OWNER	COX JIM		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	BROWN GRAVEL COARSE SAND CLAY
2 :	4-18	LIGHT BROWN CLAY GRAVEL CEMENTED
3 :	18-47	LIGHT BROWN CLAY SAND GRAVEL
4 :	47-54	GRAY SAND CLAY GRAVEL H20
5 :	54-57	GRAY CLAY GRAVEL SAND WATER

SITEID	472910122015901	LOCAL NUM.	23N/06E-15D01
LATITUDE	47d29m10s	LONGITUDE	122d01m59s
ALTITUDE	360.00	CONST. DATE	11/15/1978
WELL DEPTH	240.00	HOLE DEPTH	240.00
WATER LEVEL	134.00	W.L. DATE	11/15/1978
SCREEN INT.	150.00 - 162.00		
DRILLER	NW PUMP		
WELL OWNER	OXLEY DICK		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	TOPSOIL
2 :	4-86	BROWN CEMENTED SAND & GRAVEL
3 :	86-107	BROWN SANDY SILT
4 :	107-162	BROWN CEMENTED SAND AND GRAVEL
5 :	140-162	SMALL AMOUNT H20
6 :	162-175	BLUE TILL
7 :	175-223	BLUE BASALT
8 :	223-240	GRAY CLAYSTONE & OCC GRAVEL

SITEID	472910122015902	LOCAL NUM.	23N/06E-15D02
LATITUDE	47d29m10s	LONGITUDE	122d01m59s
ALTITUDE	360.00	CONST. DATE	04/07/1977
WELL DEPTH	230.00	HOLE DEPTH	230.00
WATER LEVEL	201.00	W.L. DATE	04/07/1977
SCREEN INT.	230.00 - 230.00		
DRILLER	JOHNSON		
WELL OWNER	JAY WILLIAM W JR		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	SURFACE
2 :	4-19	BROWN CLAY SHOCKED W ROCKS
3 :	19-36	BROWN SAND HARDPAN
4 :	36-70	BROWN CLAY AND GRAVEL
5 :	70-91	BROWN HARDPAN BOULDERS
6 :	91-166	BROWN CLAY AND GRAVEL
7 :	166-178	GRAY HARDPAN GRAVEL
8 :	178-223	BROWN CLAY SAND
9 :	223-228	BROWN SAND AND GRAVEL (WATER)
10 :	228-230	BROWN SAND

SITEID	472910122015903	LOCAL NUM.	23N/06E-15D03
LATITUDE	47d29m10s	LONGITUDE	122d01m59s
ALTITUDE	360.00	CONST. DATE	11/09/1977
WELL DEPTH	120.00	HOLE DEPTH	120.00
WATER LEVEL	96.00	W.L. DATE	11/09/1977
SCREEN INT.	120.00 - 120.00		
DRILLER	JOHNSON		
WELL OWNER	OLELS CLIFF		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-19	BROWN CLAY GRAVEL
3 :	19-43	GRAY HARDPAN
4 :	43-67	BROWN SAND
5 :	67-83	BROWN HARDPAN
6 :	83-100	BROWN SAND
7 :	100-110	BROWN HARDPAN
8 :	110-120	BROWN HARDPAN GRAVEL (WATER)

SITEID	472856122015701	LOCAL NUM.	23N/06E-15E04
LATITUDE	47d28m56s	LONGITUDE	122d01m57s
ALTITUDE	200.00	CONST. DATE	07/15/1988
WELL DEPTH	96.00	HOLE DEPTH	96.00
WATER LEVEL	7.00	W.L. DATE	07/15/1988
SCREEN INT.	27.00 - 95.00		
DRILLER	JOHNSON		
WELL OWNER	GRANT BARBARA		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-6	SURFACE
2 :	6-12	BROWN SAND GRAVEL
3 :	12-27	GRAY HARDPAN
4 :	27-31	GRAY WATER SAND GRAVEL
5 :	31-96	GRAY SHALE SEEPAGE

SITEID	472856122015702	LOCAL NUM.	23N/06E-15E05
LATITUDE	47d28m56s	LONGITUDE	122d01m57s
ALTITUDE	200.00	CONST. DATE	03/31/1988
WELL DEPTH	400.00	HOLE DEPTH	400.00
WATER LEVEL	71.00	W.L. DATE	03/31/1988
SCREEN INT.	400.00 - 400.00		
DRILLER	B J DRILL CO		
WELL OWNER	GRANT BARBARA		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	320-400	BLUE GRAY ROCK VERY HARD

SITEID	472856122015703	LOCAL NUM.	23N/06E-15E06
LATITUDE	47d28m56s	LONGITUDE	122d01m57s
ALTITUDE	200.00	CONST. DATE	06/02/1988
WELL DEPTH	127.00	HOLE DEPTH	130.00
WATER LEVEL	3.00	W.L. DATE	06/02/1988
SCREEN INT.	122.00 - 127.00		
DRILLER	B J DRILL CO		
WELL OWNER	ELLIS GLEN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	TOPSOIL
2 :	5-16	GRAVEL
3 :	16-48	BLUE CLAY
4 :	48-53	FINE BLUE SAND AND CLAY
5 :	53-75	BLUE CLAY
6 :	75-112	SILTY CLAY SOME WATER
7 :	112-130	SILT SAND AND SOME GRAVEL

SITEID	472856122015704	LOCAL NUM.	23N/06E-15E07
LATITUDE	47d28m56s	LONGITUDE	122d01m57s
ALTITUDE	200.00	CONST. DATE	08/20/1977
WELL DEPTH	148.00	HOLE DEPTH	148.00
WATER LEVEL	11.00	W.L. DATE	08/20/1977
SCREEN INT.	138.00 - 148.00		
DRILLER	JOHNSON		
WELL OWNER	SCHRAMM R E		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	SURFACE
2 :	4-22	BROWN CLAY
3 :	22-46	BROWN SILT
4 :	46-136	GRAY SILT
5 :	136-148	COURSE SAND

SITEID	472856122015705	LOCAL NUM.	23N/06E-15E08
LATITUDE	47d28m56s	LONGITUDE	122d01m57s
ALTITUDE	200.00	CONST. DATE	05/09/1987
WELL DEPTH	320.00	HOLE DEPTH	320.00
WATER LEVEL	0.00	W.L. DATE	05/09/1987
SCREEN INT.	65.00 - 320.00		
DRILLER	B J DRILL CO		
WELL OWNER	GRANT HARRY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-13	BROWN SILTY SAND CLAY SOFT
2 :	13-16	BROWN SILTY SA & CL GRAVEL BOULDERS
3 :	16-18	BROWN SILTY SAND SEMI HARD
4 :	18-21	BR SAND CLAY GRAVEL CEMENTED
5 :	21-23	BROWN LOOSE SAND GRAVEL CLAY
6 :	23-25	BROWN LOOSE MEDIUM SAND & CLAY
7 :	25-28	BROWN LOOSE SAND W TRACE WATER
8 :	28-29	BROWN LOOSE SAND CLAY W TRACE WATER
9 :	29-32	BRN CLAY SND MED TO FINE W TR WTR
10 :	32-65	BROWN CLAY SAND CEMENTED
11 :	65-130	BLACK SHALE W CLAY STREAKS HARD
12 :	130-200	BLACK SEMI-HARD SHALE W WHT STREAK
13 :	200-275	BLACK SHALE W ALL COLORS
14 :	275-320	HARD BLACK SHALE

SITEID	472857122013901	LOCAL NUM.	23N/06E-15F04
LATITUDE	47d28m57s	LONGITUDE	122d01m39s
ALTITUDE	225.00	CONST. DATE	02/28/1977
WELL DEPTH	215.00	HOLE DEPTH	215.00
WATER LEVEL	80.00	W.L. DATE	02/28/1977
SCREEN INT.	210.00 - 215.00		
DRILLER	B J DRILL CO		
WELL OWNER	JOHNSON DICK		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-8	TOPSOIL OVERBURDEN SOFT
2 :	8-16	BROWN CLAY SAND GRAVEL CEMENTED
3 :	16-85	BROWN CLAY SANDY SOFT
4 :	85-113	GRAY SAND CLAY SILTY STREAK OF BRN
5 :	113-198	GRAY SILT CLAY SAND HEAVING
6 :	198-215	GRAVEL SAND SOME WATER
7 :	215-	CEMENTED SAND AND GRAVEL

SITEID	472857122011801	LOCAL NUM.	23N/06E-15G02
LATITUDE	47d28m57s	LONGITUDE	122d01m18s
ALTITUDE	300.00	CONST. DATE	06/08/1984
WELL DEPTH	120.00	HOLE DEPTH	120.00
WATER LEVEL	64.00	W.L. DATE	06/18/1984
SCREEN INT.	115.00 - 120.00		
DRILLER	B J DRILL CO		
WELL OWNER	GREENFIELD GERRY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-18	BROWN SANDY FINE CLAY
2 :	18-45	BROWN FINE SAND CLAY
3 :	45-68	BROWN FINE SAND CLAY SMALL GRVL
4 :	68-74	GRAY FINE SAND CLAY SMALL GRVL
5 :	74-100	GRAY FINE SAND GRVL CLAY WATER
6 :	100-110	GRAY MED FINE SAND WATER SILT
7 :	110-120	GRAY MED FINE SAND WATER

SITEID	472857122010101	LOCAL NUM.	23N/06E-15H02
LATITUDE	47d28m57s	LONGITUDE	122d01m01s
ALTITUDE	380.00	CONST. DATE	11/29/1969
WELL DEPTH	207.00	HOLE DEPTH	212.00
WATER LEVEL	20.00	W.L. DATE	11/20/1969
SCREEN INT.	199.00 - 207.00		
DRILLER	B J DRILL CO		
WELL OWNER	CANNEN T L		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-60	BROWN CLAY SAND SOFT
2 :	60-80	SAND CLAY BLUE GRAY SOFT
3 :	80-108	GRAY CLAY SAND (H2O) SOFT
4 :	108-128	GRAY CLAY SAND NO WATER
5 :	128-140	GRAY BLUE CLAY
6 :	140-160	GRAY CLAY STREAK OF SAND GRAVEL H20
7 :	160-170	GRAY CLAY SAND
8 :	170-180	GRAY SAND CLAY W WATER
9 :	180-187	GRAY CLAY SAND GRAVEL HEAVING
10 :	187-200	GRAY CLAY SAND GRAVEL HEAVING
11 :	200-205	SAND LARGE GRAVEL HEAVING
12 :	205-212	SAND GRAVEL HEAVING
13 :	212-	CLAY

SITEID	472845122010001	LOCAL NUM.	23N/06E-15J01
LATITUDE	47d28m45s	LONGITUDE	122d01m00s
ALTITUDE	390.00	CONST. DATE	01/24/1979
WELL DEPTH	120.00	HOLE DEPTH	120.00
WATER LEVEL	89.00	W.L. DATE	01/24/1979
SCREEN INT.	120.00 - 120.00		
DRILLER	NW PUMP		
WELL OWNER	BOWER JOHN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-21	BROWN TILL
3 :	21-112	BROWN SANDY SILT OCC GRAVEL
4 :	112-120	WATER BEARING SAND AND GRAVEL

SITEID	472845122010002	LOCAL NUM.	23N/06E-15J02
LATITUDE	47d28m45s	LONGITUDE	122d01m00s
ALTITUDE	390.00	CONST. DATE	01/18/1979
WELL DEPTH	147.00	HOLE DEPTH	153.00
WATER LEVEL	103.00	W.L. DATE	01/18/1979
SCREEN INT.	142.00 - 147.00		
DRILLER	B J DRILL CO		
WELL OWNER	MCCOWLEY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	DARK BROWN TOPSOIL ROCK GRAVEL
2 :	3-11	LT BRN CLAY GRAVEL LOOSE & HARD
3 :	11-12	LT BRN CLAY GRAVEL BOLDERS
4 :	12-19	LT BRN CLAY GRAVEL BOLDERS LOOSE
5 :	19-39	LT BRN CLAY SAND GRAVEL LOOSE
6 :	39-100	BRN CLAY SAND SOFT
7 :	100-106	GRAY CLAY GRAVEL SAND CEMENTED
8 :	106-108	GRAY CLAY GRAVEL SOFT WATER
9 :	108-123	GRAY CLAY SAND GRAVEL SOFT & HARD
10 :	123-141	GRAY CLAY LARGE GRVL SAND CMTD HARD
11 :	141-144	GRAY CLAY SAND COARSE
12 :	144-146	GRAY CLAY SAND COURSE
13 :	146-148	LARGE GRAVEL COURSE SAND WATER
14 :	148-153	GRAY CLAY SILT SAND W WATER
15 :	153-	WATER SUF. OFF

SITEID	472845122010003	LOCAL NUM.	23N/06E-15J03
LATITUDE	47d29m45s	LONGITUDE	122d01m00s
ALTITUDE	390.00	CONST. DATE	04/23/1977
WELL DEPTH	179.00	HOLE DEPTH	179.00
WATER LEVEL	60.00	W.L. DATE	04/22/1977
SCREEN INT.	179.00 - 179.00		
DRILLER	NW PUMP		
WELL OWNER	GRAUER RALPH		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	TOPSOIL
2 :	4-24	CEMENTED GRAVEL BROWN
3 :	24-115	SAND & CLAY LAYER BROWN
4 :	115-175	TILL BLUE
5 :	155-178	SAND AND GRAVEL DIRTY BLUE

6 : 178-179 SAND AND GRAVEL CLEAN BROWN

SITEID 472845122013601 LOCAL NUM. 23N/06E-15L01
LATITUDE 47d28m45s LONGITUDE 122d01m36s
ALTITUDE 280.00 CONST. DATE 02/25/1983
WELL DEPTH 85.00 HOLE DEPTH 85.00
WATER LEVEL 40.00 W.L. DATE 02/25/1983
SCREEN INT. 80.00 - 85.00
DRILLER MORRIS D CO
WELL OWNER GROSS PETE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SANDY TOPSOIL
2 :	3-25	RED GRAVELLY TILL
3 :	25-80	GRAY SANDY CLAY
4 :	80-85	SAND & WATER

SITEID 472845122013602 LOCAL NUM. 23N/06E-15L02
LATITUDE 47d28m45s LONGITUDE 122d01m36s
ALTITUDE 280.00 CONST. DATE 11/15/1986
WELL DEPTH 68.00 HOLE DEPTH 70.00
WATER LEVEL 27.00 W.L. DATE 11/15/1986
SCREEN INT. 58.00 - 68.00
DRILLER ALPINE WELL
WELL OWNER TERRY PAT

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	SOIL & GRAVEL
2 :	12-56	SILT CLAY BROWN
3 :	56-59	SILT CLAY GRAY
4 :	59-68	FINE SAND
5 :	68-70	SILTY GRAY CLAY

SITEID 472845122013603 LOCAL NUM. 23N/06E-15L03
LATITUDE 47d28m45s LONGITUDE 122d01m36s
ALTITUDE 280.00 CONST. DATE 10/31/1988
WELL DEPTH 102.00 HOLE DEPTH 102.00
WATER LEVEL 61.00 W.L. DATE 10/31/1988
SCREEN INT. 97.00 - 102.00
DRILLER BURAAS D CO
WELL OWNER THOMAS JIM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	LOAM
2 :	1-21	BROWN CLAY
3 :	21-97	GRAY SILTY CLAY
4 :	97-102	GRAY FINE TO MEDIUM SAND

SITEID 472845122013604 LOCAL NUM. 23N/06E-15L04
LATITUDE 47d28m45s LONGITUDE 122d01m36s
ALTITUDE 280.00 CONST. DATE 10/03/1985
WELL DEPTH 88.00 HOLE DEPTH 88.00
WATER LEVEL 50.00 W.L. DATE 10/03/1985
SCREEN INT. 83.00 - 88.00
DRILLER MORRIS D CO
WELL OWNER ADAMS RICHARD

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	TOPSOIL
2 :	1-18	BROWN GRAVELLY TILL
3 :	18-38	BROWN SAND
4 :	38-72	FINE GRAY SAND AND SILT
5 :	72-81	FINE GRAY SAND SILT WATER
6 :	81-88	COARSE SAND AND WATER

SITEID 472845122013605 LOCAL NUM. 23N/06E-15L05
LATITUDE 47d28m45s LONGITUDE 122d01m36s
ALTITUDE 280.00 CONST. DATE 11/30/1985
WELL DEPTH 181.00 HOLE DEPTH 181.00
WATER LEVEL 50.00 W.L. DATE 11/30/1985
SCREEN INT. 176.00 - 181.00
DRILLER MORRIS D CO
WELL OWNER MURDOCH JAMES F

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-18	BROWN GRAVELLY TILL
3 :	18-40	BLUE CLAY
4 :	40-85	SANDY CLAY
5 :	85-92	SAND & WATER

SITEID 472845122013606 LOCAL NUM. 23N/06E-15L06
LATITUDE 47d28m45s LONGITUDE 122d01m36s
ALTITUDE 280.00 CONST. DATE 11/01/1984
WELL DEPTH 90.00 HOLE DEPTH 91.00
WATER LEVEL 33.00 W.L. DATE 11/01/1984
SCREEN INT. 85.00 - 90.00
DRILLER B J DRILL CO
WELL OWNER KIELGASS IKE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-7	DARK BROWN CLAY SAND GRAVEL
2 :	7-18	LIGHT BROWN SAND SMALL GRAVEL
3 :	18-27	LIGHT BROWN CLAY SAND
4 :	27-75	LIGHT BROWN SAND CLAY
5 :	75-80	LIGHT LIGHT GRAVEL BROWN SAND CLAY
6 :	80-83	GRAY CLAY SAND SOME COURSE HEAVING
7 :	83-85	GRAY CLAY SAND COURSE SAND
8 :	85-92	GRAY CLAY COURSE SAND GRAVEL HEAVIN
9 :	90-91	GRAY CLAY SAND FINE OPEN HOLE

SITEID 472844122015801 LOCAL NUM. 23N/06E-15M01
LATITUDE 47d28m44s LONGITUDE 122d01m58s
ALTITUDE 230.00 CONST. DATE 10/25/1977

WELL DEPTH	133.00	HOLE DEPTH	134.00
WATER LEVEL	-25.10	W.L. DATE	10/28/1977
SCREEN INT.	133.00 - 133.00		
DRILLER	B J DRILL CO		
WELL OWNER	FOUR CREEK FARM		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	BROWN CLAY SAND DRY SOFT
2 :	5-13	LT BRN CLAY SAND GRAVEL SEMI-HARD
3 :	13-20	LT BRN CLAY CEMENTED GRAVEL ROCKS
4 :	20-23	LIGHT BROWN CLAY ROCKS HARD
5 :	23-64	GRAY CLAY LOOSE GRAVEL SAND
6 :	64-67	GRAY CLAY LARGE ROCKS GRAVEL
7 :	67-102	LGE ROCKS GRVL SAND STREEK CEMENTED
8 :	102-117	GRAVEL CEMENTED & SEMI LOOSE H20
9 :	117-133	GRAVEL SAND 1/4 DOWN FLOWING 30GPM

SITEID	472831122013701	LOCAL NUM.	23N/06E-15P02
LATITUDE	47d28m31s	LONGITUDE	122d01m37s
ALTITUDE	300.00	CONST. DATE	09/10/1979
WELL DEPTH	98.00	HOLE DEPTH	98.00
WATER LEVEL	56.00	W.L. DATE	09/17/1979
SCREEN INT.	94.00 - 97.00		
DRILLER	BERG PUMP		
WELL OWNER	DUNLAP STEVEN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-18	DIRT & COBBLE
2 :	18-20	BROKEN GRAY BASALT
3 :	20-40	NO INFORMATION ON LOG
4 :	40-43	MOIST BROKEN GRAY BASALT
5 :	43-50	BROKEN GRAY BASALT
6 :	50-52	BROKEN GRAY BASALT
7 :	52-60	2 GPM BROKEN GRAY BASALT
8 :	60-80	BROKEN GRAY BASALT
9 :	80-96	6 GPM BROKEN GRAY BASALT
10 :	96-98	BROKEN GRAY BASALT

SITEID	472831122013702	LOCAL NUM.	23N/06E-15P03
LATITUDE	47d28m31s	LONGITUDE	122d01m37s
ALTITUDE	300.00	CONST. DATE	10/01/1985
WELL DEPTH	185.00	HOLE DEPTH	185.00
WATER LEVEL	70.00	W.L. DATE	10/01/1985
SCREEN INT.	185.00 - 185.00		
DRILLER	JOHNSON		
WELL OWNER	COOK JIM		

screen?

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	BROWN SURFACE
2 :	4-12	TAN SANDY SOIL
3 :	12-93	BLUE GRAY CLAY
4 :	93-97	GRAY SANDY CLAY
5 :	97-117	GRAY CLAY
6 :	117-173	GRAY SILTY CLAY
7 :	173-176	GRAY CLAY
8 :	176-179	BROWN SANDY SILT
9 :	179-185	BROWN WATER SAND AND GRAVEL

SITEID	472831122011701	LOCAL NUM.	23N/06E-15Q02
LATITUDE	47d28m31s	LONGITUDE	122d01m17s
ALTITUDE	360.00	CONST. DATE	11/02/1982
WELL DEPTH	99.00	HOLE DEPTH	101.00
WATER LEVEL	61.00	W.L. DATE	00/00/0000
SCREEN INT.	94.00 - 99.00		
DRILLER	B J DRILL CO		
WELL OWNER	KELLAR DONALD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	DARK BROWN TOPSOIL ROCKS
2 :	2-7	DARK BROWN SAND CLAY
3 :	7-15	MED BROWN SANDY CLAY
4 :	15-18	MED BROWN SANDY CLAY SOFT
5 :	18-35	LIGHT BROWN CLAY SANDY SILT STREAKS
6 :	35-40	GRAY CLAY SILTY SAND SOFT
7 :	40-46	DARK GRAY CLAY SILTY SAND
8 :	46-96	GRAY SAND CLAY SILT STREAKS
9 :	96-99	GRAY SANDY CLAY TRACE OF WATER
10 :	99-101	GRAY SAND FINE WATER

SITEID	472831122011702	LOCAL NUM.	23N/06E-15Q03
LATITUDE	47d28m31s	LONGITUDE	122d01m17s
ALTITUDE	360.00	CONST. DATE	05/07/1977
WELL DEPTH	179.00	HOLE DEPTH	180.00
WATER LEVEL	85.00	W.L. DATE	05/07/1977
SCREEN INT.	175.00 - 179.00		
DRILLER	EVERGREEN		
WELL OWNER	RISDON IVAN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-22	BROWN SANDY CLAY
3 :	22-172	GRAY SANDY CLAY
4 :	172-179	FINE SAND DIRTY
5 :	179-	GETTING INTO MORE MASTIC CLAY

SITEID	472831122011703	LOCAL NUM.	23N/06E-15Q04
LATITUDE	47d28m31s	LONGITUDE	122d01m17s
ALTITUDE	360.00	CONST. DATE	01/18/1983
WELL DEPTH	145.00	HOLE DEPTH	147.00
WATER LEVEL	78.00	W.L. DATE	01/18/1983
SCREEN INT.	147.00 - 147.00		
DRILLER	JOHNSON		
WELL OWNER	CAMPORAH MIKE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-18	BROWN HARDPAN
3 :	18-68	BROWN SAND

4 :	68-80	GRAY CLAY
5 :	80-107	BROWN SILTY SAND
6 :	107-137	GRAY HARDPAN
7 :	137-147	GRAY WATER SAND AND GRAVEL

SITEID	472830122010101	LOCAL NUM.	23N/06E-15R02
LATITUDE	47d28m30s	LONGITUDE	122d01m01s
ALTITUDE	400.00	CONST. DATE	05/04/1981
WELL DEPTH	165.00	HOLE DEPTH	165.00
WATER LEVEL	85.00	W.L. DATE	05/04/1981
SCREEN INT.	150.00 - 155.00		
DRILLER	B J DRILL CO		
WELL OWNER	LOVE STEVE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	112-117	BROWN SILT
2 :	117-143	BROWN CLAY SAND GRAVEL CEMENTED
3 :	143-156	BROWN SAND GRAVEL WATER
4 :	156-159	BROWN CLAY SAND GRAVEL CEMENTED
5 :	159-160	BROWN CLAY
6 :	160-165	BROWN CLAY SAND GRAVEL CEMENTED

SITEID	472830122010102	LOCAL NUM.	23N/06E-15R03
LATITUDE	47d28m30s	LONGITUDE	122d01m01s
ALTITUDE	400.00	CONST. DATE	06/29/1973
WELL DEPTH	108.00	HOLE DEPTH	108.00
WATER LEVEL	101.00	W.L. DATE	06/29/1973
SCREEN INT.	103.00 - 108.00		
DRILLER	WESTRN WATER		
WELL OWNER	JEPSKY NORM		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-24	SAND & LARGE GRAVEL
2 :	24-77	SILTY SAND & GRAVEL
3 :	77-98	TILL BLUE GRAY LARGE
4 :	98-112	SAND & GRAVEL
5 :	112-118	SILTY BLUE CLAY

SITEID	472830122010104	LOCAL NUM.	23N/06E-15R05
LATITUDE	47d28m30s	LONGITUDE	122d01m01s
ALTITUDE	400.00	CONST. DATE	04/19/1985
WELL DEPTH	207.00	HOLE DEPTH	207.00
WATER LEVEL	82.00	W.L. DATE	04/19/1985
SCREEN INT.	202.00 - 207.00		
DRILLER	B J DRILL CO		
WELL OWNER	BRUSKLAND ARNE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-107	TAN CLAY W SMALL GRAVEL
2 :	107-124	GRAY CLAY W SMALL GRAVEL
3 :	124-144	GRAY CLAY AND SAND
4 :	144-156	GRAY CLAY WITH SMALL GRAVEL
5 :	156-180	GRAY CLAY SAND SMALL GRAVEL
6 :	180-201	TAN CLAY SAND
7 :	201-207	TAN SAND/SMALL GRAVEL

SITEID	472830122010105	LOCAL NUM.	23N/06E-15R06
LATITUDE	47d28m30s	LONGITUDE	122d01m01s
ALTITUDE	400.00	CONST. DATE	04/24/1978
WELL DEPTH	40.00	HOLE DEPTH	40.00
WATER LEVEL	10.00	W.L. DATE	04/24/1978
SCREEN INT.	35.00 - 40.00		
DRILLER	NW PUMP		
WELL OWNER	BENJAMIN ROGER		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-17	BROWN TILL
3 :	17-33	BLUE SILT
4 :	33-40	WATER BEARING SAND & OCC GRAVEL
5 :	-	

SITEID	472830122010106	LOCAL NUM.	23N/06E-15R07
LATITUDE	47d28m30s	LONGITUDE	122d01m01s
ALTITUDE	400.00	CONST. DATE	11/08/1977
WELL DEPTH	300.00	HOLE DEPTH	300.00
WATER LEVEL	30.00	W.L. DATE	11/08/1977
SCREEN INT.	300.00 - 300.00		
DRILLER	NW PUMP		
WELL OWNER	BRIDE PAUL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-17	BROWN TILL
3 :	17-76	BROWN SILTY SAND
4 :	76-81	BLUE SILT
5 :	81-128	BLUE TILL
6 :	128-134	BLUE BASALT
7 :	134-260	GRAY SHALE
8 :	260-300	GRAY SANDSTONE

SITEID	472830122010107	LOCAL NUM.	23N/06E-15R08
LATITUDE	47d28m30s	LONGITUDE	122d01m01s
ALTITUDE	400.00	CONST. DATE	01/31/1980
WELL DEPTH	143.00	HOLE DEPTH	152.00
WATER LEVEL	69.00	W.L. DATE	01/31/1980
SCREEN INT.	138.00 - 143.00		
DRILLER	B J DRILL CO		
WELL OWNER	KEIR L C/VIDOS JOE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	DARK BROWN TOPSOIL SOFT
2 :	3-10	LIGHT BROWN CLAY SHARP GRAVEL
3 :	10-18	BROWN CLAY GRAVEL SAND (TRACE H20)
4 :	18-40	BROWN CLAY SAND GRAVEL SOME LAYERS
5 :	40-45	GRAYISH CLAY FINE SAND SILT SOFT

6 :	45-63	BROWN CLAY FINE SAND STREAK OF GRVL
7 :	63-77	GRAY CLAY GRAVEL SAND SOFT
8 :	77-82	BLUE CLAY SAND LARGE GRAVEL
9 :	82-105	BLUEISH CLAY GRAVL SAND SEMI HARD
10 :	105-124	BROWN SAND CLAY HEAVING (WATER)
11 :	124-128	BROWN CLAY SAND LARGE GRAVEL (H2O)
12 :	128-137	BROWN GRAVEL COURSE CLAY SAND
13 :	137-145	BROWN GRAVEL SAND CLAY WATER
14 :	145-150	GRAY CLAY GRAVEL SAND WATER
15 :	150-152	GRAY CLAY GRAVEL SAND CEMENTED

SITEID	472858122025801	LOCAL NUM.	23N/06E-16F02
LATITUDE	47d28m58s	LONGITUDE	122d02m58s
ALTITUDE	390.00	CONST. DATE	02/05/1985
WELL DEPTH	108.00	HOLE DEPTH	108.00
WATER LEVEL	73.50	W.L. DATE	00/00/0000
DRILLER	B J DRILL CO		
WELL OWNER	MARRIT KERRI		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	BROWN TOPSOIL
2 :	4-16	LIGHT BROWN SAND GRAVEL ROCK CLAY
3 :	16-36	GREENISH BROWN CLAY SAND GRAVEL
4 :	36-52	BROWN SAND GRAVEL ROCKS CEMENTED
5 :	52-54	BROWN CLAY SAND GRAVEL BOULDERS .
6 :	54-65	GRAY CLAY SAND GRAVEL ROCKS
7 :	65-68	BROWN CLAY
8 :	68-78	BROWN CLAY GRAVEL SAND CEMENTED
9 :	78-92	GRAY SAND GRAVEL CLAY CEMENTED
10 :	92-97	BROWN SAND GRAVEL ROCKS
11 :	97-99	GRAY SAND CLAY
12 :	99-108	HEAVING SAND GRAVEL

SITEID	472858122025802	LOCAL NUM.	23N/06E-16F03
LATITUDE	47d28m58s	LONGITUDE	122d02m58s
ALTITUDE	390.00	CONST. DATE	05/23/1979
WELL DEPTH	132.00	HOLE DEPTH	132.00
WATER LEVEL	102.00	W.L. DATE	05/23/1979
SCREEN INT.	132.00 - 132.00		
DRILLER	JOHNSON		
WELL OWNER	BERG GERALD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-8	BROWN SANDY LOAM
2 :	8-46	BROWN GRAVEL
3 :	49-90	BROWN HARDPAN
4 :	90-124	GRAY HARDPAN
5 :	124-132	GRAY WATER SAND AND GRAVEL

SITEID	472857122031701	LOCAL NUM.	23N/06E-16G01
LATITUDE	47d28m57s	LONGITUDE	122d03m17s
ALTITUDE	370.00	CONST. DATE	07/16/1980
WELL DEPTH	200.00	HOLE DEPTH	201.00
WATER LEVEL	186.00	W.L. DATE	07/16/1980
SCREEN INT.	200.00 - 200.00		
DRILLER	EVERGREEN		
WELL OWNER	JENNINGS DAN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-194	GRAY COMPACT TILL
2 :	194-199	LIGHT BROWN TILL
3 :	199-200	WATER BEARING SAND AND GRAVEL
4 :	200-201	LIGHT BROWN TILL

SITEID	472858122021901	LOCAL NUM.	23N/06E-16H01
LATITUDE	47d28m58s	LONGITUDE	122d02m19s
ALTITUDE	580.00	CONST. DATE	08/21/1979
WELL DEPTH	368.00	HOLE DEPTH	580.00
WATER LEVEL	0.00	W.L. DATE	00/00/0000
DRILLER	BERG PUMP		
WELL OWNER	KELLER DICK		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	LOAM & GRAVEL
2 :	2-14	GRAVEL & SAND
3 :	140-280	GRAVEL AND SAND
4 :	280-478	GRAVEL AND SAND
5 :	478-484	CLAY AND SAND
6 :	484-580	GRAVEL AND SAND

SITEID	472844122021801	LOCAL NUM.	23N/06E-16J02
LATITUDE	47d28m44s	LONGITUDE	122d02m18s
ALTITUDE	340.00	CONST. DATE	10/06/1988
WELL DEPTH	63.00	HOLE DEPTH	65.00
WATER LEVEL	37.00	W.L. DATE	10/05/1989
SCREEN INT.	48.00 - 53.00		
DRILLER	B J DRILL CO		
WELL OWNER	JENKINS RICHARD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-20	TOPSOIL & SAND
2 :	20-22	CLEAN SAND SOME WATER
3 :	22-47	CLAY SAND AND GRAVEL NO WATER
4 :	47-55	SAND AND GRAVEL WATER RUST COLOR
5 :	55-60	SAND NO WATER
6 :	60-65	GRAY SANDY CLAY

SITEID	472844122021802	LOCAL NUM.	23N/06E-16J03
LATITUDE	47d28m44s	LONGITUDE	122d02m18s
ALTITUDE	340.00	CONST. DATE	01/16/1978
WELL DEPTH	80.00	HOLE DEPTH	80.00
WATER LEVEL	41.00	W.L. DATE	01/16/1978
SCREEN INT.	80.00 - 80.00		
DRILLER	NW PUMP		
WELL OWNER	GRAVES TOM		

INT
NO. INTVL(FT) DESCRIPTION

1 :	0-2	TOPSOIL
2 :	2-77	BROWN TILL
3 :	77-80	WATER BEARING SAND AND GRAVEL

SITEID	472843122023801	LOCAL NUM.	23N/06E-16K01
LATITUDE	97d28m03s	LONGITUDE	122d02m38s
ALTITUDE	300.00	CONST. DATE	03/03/1988
WELL DEPTH	176.75	HOLE DEPTH	176.75
WATER LEVEL	59.00	W.L. DATE	03/03/1988
SCREEN INT.	171.00 - 176.00		
DRILLER	RICHARDSON		
WELL OWNER	BAYLEY RAY E		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-6	SANDY LOAM
2 :	6-20	CLAY GRAVEL COBBLES
3 :	20-22	SAND SEEPAGE
4 :	22-47	DRY SAND AND GRAVEL
5 :	47-58	SAND GRAVEL SILT WATER
6 :	58-59	CLAY AND GRAVEL
7 :	59-67	SAND GRAVEL WATER
8 :	67-73	GRAY SILTY CLAY
9 :	73-77	SILTY FINE SAND WATER
10 :	77-92	SILTY SAND FEW SMALL GRAVELS WATER
11 :	92-100	SAND GRAVELS WATER
12 :	100-115	STICKY SILTY SAND
13 :	115-120	FINE HEAVING SAND
14 :	120-132	SAND GRAVEL WATER SILTS
15 :	132-134	SILTY CLAY
16 :	134-140	SILTS WATER
17 :	140-147	SILTS SAND GRAVEL WATER
18 :	147-168	FINE SAND SILTS WATER
19 :	168-177	GRAVEL SAND SILTS WATER

SITEID	472843122023802	LOCAL NUM.	23N/06E-16K02
LATITUDE	47d28m43s	LONGITUDE	122d02m38s
ALTITUDE	300.00	CONST. DATE	03/11/1988
WELL DEPTH	37.00	HOLE DEPTH	37.00
WATER LEVEL	4.00	W.L. DATE	03/11/1988
SCREEN INT.	37.00 - 37.00		
DRILLER	RICHARDSON		
WELL OWNER	FARMER JAMES		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	TOPSOIL
2 :	1-6	SANDY LOAM
3 :	6-10	CLAY GRAVEL COBBLES BOULDERS
4 :	10-15	LOOSE GRAVEL COBBLES BOULDERS
5 :	15-26	GRAY CLAY FEW GRAVELS
6 :	26-29	SANDY BROWN CLAY SEEPAGE
7 :	29-37	LOOSE SAND GRAVEL

SITEID	472843122023803	LOCAL NUM.	23N/06E-16K03
LATITUDE	47d28m43s	LONGITUDE	122d02m38s
ALTITUDE	300.00	CONST. DATE	03/01/1988
WELL DEPTH	68.00	HOLE DEPTH	68.00
WATER LEVEL	36.00	W.L. DATE	03/01/1988
SCREEN INT.	68.00 - 68.00		
DRILLER	RICHARDSON		
WELL OWNER	FARMER MICHAEL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	SANDY LOAM GRAVELS
2 :	1-4	SANDY LOAM
3 :	4-20	CLAY, COBBLES, BOULDERS, SAND
4 :	20-33	BROWN SANDY CLAY, GRAVELS
5 :	33-40	BROWN SANDY, CLAY
6 :	40-58	BROWN SANDY CLAY, SEEPAGE
7 :	58-62	BROWN SANDY CLAY, WATER, GRAVELS
8 :	62-68	LOOSE COARSE GRAVELS, SAND, WATER

SITEID	472843122023804	LOCAL NUM.	23N/06E-16K04
LATITUDE	47d28m43s	LONGITUDE	122d02m38s
ALTITUDE	300.00	CONST. DATE	03/04/1988
WELL DEPTH	102.00	HOLE DEPTH	104.00
WATER LEVEL	89.00	W.L. DATE	03/04/1988
SCREEN INT.	97.00 - 102.00		
DRILLER	MORRIS D CO		
WELL OWNER	LYONS JERRY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	GRAVEL & ROCKS
2 :	12-96	BROWN & GRAVELLY TILL
3 :	96-102	COURSE SAND GRAVEL AND WATER
4 :	102-104	SANDY CLAY (WATER SHUT OFF)

SITEID	472843122025701	LOCAL NUM.	23N/06E-16L04
LATITUDE	47d28m43s	LONGITUDE	122d02m57s
ALTITUDE	330.00	CONST. DATE	08/07/1984
WELL DEPTH	161.00	HOLE DEPTH	161.00
WATER LEVEL	55.00	W.L. DATE	08/07/1984
SCREEN INT.	161.00 - 161.00		
DRILLER	JOHNSON		
WELL OWNER	JOHNSTON NOAH		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-21	BROWN SILTY CLAY
3 :	21-45	BROWN GRAVEL AND CLAY
4 :	45-55	GRAY CLAY
5 :	55-65	BROWN SAND AND GRAVEL
6 :	65-70	BROWN SILTY CLAY
7 :	70-97	GRAY SILTY SAND AND GRAVEL
8 :	97-106	GRAY SILT
9 :	106-125	GRAY SILTY CLAY
10 :	125-147	GRAY SAND AND GRAVEL
11 :	147-151	GRAY CLAY
12 :	151-161	GRAY WATER SAND GRAVEL

SITEID	472843122025702	LOCAL NUM.	23N/06E-16L05
LATITUDE	47d28m43s	LONGITUDE	122d02m57s
ALTITUDE	330.00	CONST. DATE	12/31/1976
WELL DEPTH	64.00	HOLE DEPTH	64.00
WATER LEVEL	35.00	W.L. DATE	00/00/0000
SCREEN INT.	59.00 - 64.00		
DRILLER	H O MEYER		
WELL OWNER	JOHNSON NOAH		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-14	LARGE COBBLES
2 :	14-45	COMPACT GRAVEL & SAND
3 :	45-49	BROWN DRY GRAVEL
4 :	49-64	SAND AND GRAVEL WATER BAIL & DRIVE
5 :	60-64	BULK OF WTR IN SAND CRSE & SOME GR

SITEID	472832122031601	LOCAL NUM.	23N/06E-16N01
LATITUDE	47d28m32s	LONGITUDE	122d03m16s
ALTITUDE	360.00	CONST. DATE	04/11/1983
WELL DEPTH	343.00	HOLE DEPTH	343.00
WATER LEVEL	0.00	W.L. DATE	/ /
SCREEN INT.	343.00 - 343.00		
DRILLER	HAYES WELL		
WELL OWNER	GETTY OIL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-42	CLEAN BRN GRVL W LITTLE WATER @40'
2 :	42-54	BROWN GRAVEL SAND & CLAY
3 :	54-62	BROWN SAND, GRAVEL AND CLAY
4 :	62-75	BROWN GRAVEL SAND AND CLAY
5 :	75-93	GRAY CLAY AND WOOD
6 :	93-96	GRAY CLAY
7 :	96-97	GRAY SAND AND WATER
8 :	97-110	GRAY GRAVEL AND DRY SAND
9 :	110-112	GRAY SAND, GRAVEL AND WATER
10 :	112-123	GRAY GRAVEL, SAND, AND WATER
11 :	123-130	GRAY CLAY AND GRAVEL
12 :	130-134	GRAY SAND AND WOOD,LITTLE BIT CLAY
13 :	134-137	GRAY CLAY AND WOOD
14 :	137-144	FINE GRAY SILTY SAND & SEEPAGE
15 :	144-145	GRAY CLAY
16 :	145-156	GRAY CLAY & WOOD
17 :	156-194	GRAY SAND WOOD & WATER
18 :	194-207	GRAY GRAVEL SAND & WATER
19 :	207-219	GRAY CLAY & WOOD
20 :	219-222	GRAY GRAVEL & WATER
21 :	222-224	GRAY CLAY & WOOD
22 :	224-294	GRAY GRAVEL AND WATER
23 :	294-297	GRAY SAND AND WATER
24 :	297-312	GRAY GRAVEL, SAND, AND WATER
25 :	312-343	GRAY SAND, GRAVEL, AND WATER

SITEID	472909122043101	LOCAL NUM.	23N/06E-17D01
LATITUDE	47d29m09s	LONGITUDE	122d04m31s
ALTITUDE	330.00	CONST. DATE	08/13/1976
WELL DEPTH	105.00	HOLE DEPTH	107.00
WATER LEVEL	60.00	W.L. DATE	08/12/1976
SCREEN INT.	101.00 - 105.00		
DRILLER	EVERGREEN		
WELL OWNER	STEPHENSON ED		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-8	BROWN CEMENTED GRAVEL
2 :	8-16	GRAY HARDPAN
3 :	16-36	BRN S & G WITH BINDER
4 :	36-73	GRAY HARDPAN
5 :	73-91	GRAY CLAY WITH SAND AND GRAVEL
6 :	91-97	STREAKS OF SAND BITS OF WOOD
7 :	97-101	GRAY CLAY
8 :	101-105	GRAY SAND
9 :	105-107	GRAY CLAY

SITEID	472909122043102	LOCAL NUM.	23N/06E-17D02
LATITUDE	47d29m09s	LONGITUDE	122d04m31s
ALTITUDE	330.00	CONST. DATE	12/28/1982
WELL DEPTH	149.00	HOLE DEPTH	149.00
WATER LEVEL	62.00	W.L. DATE	12/28/1982
SCREEN INT.	139.00 - 149.00		
DRILLER	CABLE TOOL		
WELL OWNER	DOGWOOD DEVELOPMENT		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-6	CLAY BROWN
2 :	6-14	TILL BROWN GRAVELLY
3 :	14-18	SAND & GRAVEL (WATER)
4 :	18-20	SAND, BRN SAME AS ABOVE,BUT COARSER
5 :	20-21	SAND, GRAY, COARSE
6 :	21-26	CLAY, GRAY
7 :	26-50	CLAY & GRAVEL, GRAY
8 :	50-75	CLAY GRAY SANDY-SMALL PIECES COAL
9 :	75-90	CLAY, GRAY, STICKY
10 :	90-100	CLAY, GRAY SILTY WITH SM AMT OF H20
11 :	100-105	CLAY, GRAY/BROWN
12 :	105-135	CLAY, GRAY WITH LARGE ROCKS
13 :	135-140	S GRAY W/LAYERS OF GRAY CLAY H20
14 :	140-150	SAND, GRAY, COARSE, WATER BEARING

SITEID	472856122041101	LOCAL NUM.	23N/06E-17F01
LATITUDE	47d28m56s	LONGITUDE	122d04m11s
ALTITUDE	340.00	CONST. DATE	04/30/1987
WELL DEPTH	127.00	HOLE DEPTH	131.00
WATER LEVEL	55.00	W.L. DATE	05/28/1987
SCREEN INT.	122.00 - 127.00		
DRILLER	MORRIS D CO		
WELL OWNER	PAYNE TONI		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SANDY TOPSOIL
2 :	2-25	SAND BROWN
3 :	25-32	GRAY TILL

4 :	32-60	BROWN SANDY TILL
5 :	60-90	GRAY SANDY TILL SOME WATER
6 :	90-105	BROWN SANDY TILL (DRY)
7 :	105-127	SAND GRAVEL AND WATER
8 :	127-131	CLAY

SITEID	472856122041102	LOCAL NUM.	23N/06E-17F02
LATITUDE	47d28m56s	LONGITUDE	122d04m11s
ALTITUDE	340.00	CONST. DATE	05/16/1988
WELL DEPTH	48.00	HOLE DEPTH	48.00
WATER LEVEL	15.00	W.L. DATE	05/16/1988
SCREEN INT.	48.00 - 48.00		
DRILLER	MORRIS D CO		
WELL OWNER	RIVERA JOE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	GRAVEL & ROOTS
2 :	2-25	BROWN SANDY LOAM
3 :	25-42	GRAVELLY TILL SOME WATER
4 :	42-48	GRAVELLY TILL OPEN HOLE DRILLINGH20

SITEID	472857122035401	LOCAL NUM.	23N/06E-17G01
LATITUDE	47d28m57s	LONGITUDE	122d03m54s
ALTITUDE	340.00	CONST. DATE	10/28/1982
WELL DEPTH	60.00	HOLE DEPTH	62.00
WATER LEVEL	19.00	W.L. DATE	00/00/0000
SCREEN INT.	52.00 - 57.00		
DRILLER	B J DRILL CO		
WELL OWNER	VERSCHAEVE HECTOR		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	DARK BROWN TOPSOIL
2 :	2-10	LIGHT BROWN CLAY SAND GRAVEL
3 :	10-20	BROWN SAND CLAY GRAVEL CEMENTED
4 :	20-21	GRAVEL SAND CLAY LOOSE TR H20
5 :	21-24	BROWN CLAY SAND AND GRAVEL LOOSE
6 :	24-39	BROWN CLAY GR. & SAND LOOSE
7 :	39-40	BROWN CLAY SAND GRAVEL TRACE H20
8 :	40-60	BROWN CLAY GRAVEL AND SAND H20
9 :	60-62	BROWN CLAY GRAVEL CEMENTED

SITEID	472855122033601	LOCAL NUM.	23N/06E-17H04
LATITUDE	47d28m55s	LONGITUDE	122d03m36s
ALTITUDE	360.00	CONST. DATE	07/14/1983
WELL DEPTH	228.00	HOLE DEPTH	229.00
WATER LEVEL	97.00	W.L. DATE	06/16/1983
SCREEN INT.	223.00 - 228.00		
DRILLER	B J DRILL CO		
WELL OWNER	PETERS JOHN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-18	CLAY & SAND
3 :	18-26	HARDPAN
4 :	26-43	DRY SAND & GRAVEL
5 :	43-52	SANDY LOAM
6 :	52-62	DRY GRAVEL & TILL
7 :	62-73	YELLOW HARDPAN & TILL W SOME WATER
8 :	73-81	BLUE CLAY
9 :	81-86	GRAVEL & SAND
10 :	86-90	BROWN TILL & GRAVEL
11 :	90-96	GRAY TILL & LARGE GRAVEL
12 :	96-108	GRAY TILL & COBBLES
13 :	108-124	BLDER AT 108 & 112 SAND LIKE BDRK
14 :	124-156	VERY TOUGH TILL
15 :	156-178	HEAVING SAND CLAY
16 :	178-185	GRAY CLAY SILT SAND HEAVING
17 :	185-191	GRAY CLAY SAND SILT
18 :	191-213	BROWN CLAY SAND COARSE GRAVEL
19 :	213-228	GRAY SAND GRAVEL W WATER

SITEID	472910122045401	LOCAL NUM.	23N/06E-18A02
LATITUDE	47d29m10s	LONGITUDE	122d04m54s
ALTITUDE	370.00	CONST. DATE	05/22/1986
WELL DEPTH	68.00	HOLE DEPTH	68.00
WATER LEVEL	31.00	W.L. DATE	05/21/1986
SCREEN INT.	58.00 - 68.00		
DRILLER	BURAAS D CO		
WELL OWNER	STARR, RONALD E		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	BROWN SANDY CLAY
2 :	3-14	BROWN HARD PAN W BOULDERS
3 :	14-52	GRAY HARD PAN
4 :	52-58	GRAY SANDY CLAY
5 :	58-68	GRAY WASHED SAND
6 :	68-	BLUE CLAY

SITEID	472752122035401	LOCAL NUM.	23N/06E-20K02
LATITUDE	47d27m52s	LONGITUDE	122d03m54s
ALTITUDE	600.00	CONST. DATE	08/10/1987
WELL DEPTH	400.00	HOLE DEPTH	525.00
WATER LEVEL	135.00	W.L. DATE	08/10/1987
SCREEN INT.	218.00 - 242.00		
DRILLER	JOHNSON		
WELL OWNER	BISHOP DONALD JR		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-9	BROWN SAND GRAVEL
2 :	9-32	TAN SAND GRAVEL
3 :	32-57	TAN GRAVEL SAND CLAY
4 :	57-67	GRAY GRAVEL SAND CLAY
5 :	67-75	BROWN SAND
6 :	75-135	BROWN SAND GRAVEL
7 :	135-176	BROWN SAND
8 :	176-215	GRAY SILTY CLAY
9 :	215-248	GRAY SILTY SAND
10 :	248-300	GRAY CLAY
11 :	300-380	GRAY SILTY CLAY
12 :	380-440	GRAY CLAY

13 :	440-460	GRAY SILT
14 :	460-518	GRAY CLAY
15 :	518-540	GRAY SILTY SAND HEAVING

SITEID	472741122035101	LOCAL NUM.	23N/06E-20Q01
LATITUDE	47d27m41s	LONGITUDE	122d03m51s
ALTITUDE	580.00	CONST. DATE	01/11/1985
WELL DEPTH	47.00	HOLE DEPTH	50.00
WATER LEVEL	-8.31	W.L. DATE	19/85/0111
DRILLER	B J DRILL CO		
WELL OWNER	ROWE BRUCE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	BROWN CLAY
2 :	12-21	GRY CLAY
3 :	21-27	GRY CLAY SAND GRVL CEMENTED
4 :	27-43	BRN SAND GRVL ROCKS CLAY CEMENTED
5 :	43-47	COARSE SAND GRAV ROCKS WATER

SITEID	472754122021801	LOCAL NUM.	23N/06E-21J01
LATITUDE	47d27m54s	LONGITUDE	122d02m18s
ALTITUDE	580.00	CONST. DATE	10/05/1973
WELL DEPTH	160.00	HOLE DEPTH	160.00
WATER LEVEL	141.00	W.L. DATE	10/10/1973
SCREEN INT.	153.00 - 158.00		
DRILLER	B J DRILL CO		
WELL OWNER	STANLEY RON CO.		

Fig 4.6

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	BROWN CLAY SAND GRAVEL SOFT
2 :	12-16	BROWN HARDPAN CEMENTED
3 :	16-19	LIGHT BROWN HP CEMENTED HARD
4 :	19-20	BOULDERS
5 :	20-29	HARDPAN CEMENTED BOULDERS
6 :	29-38	LIGHT BROWN HP SAND GRAV LOOSE
7 :	38-55	REDISH BROWN HP SAND GRAV SOFT
8 :	55-81	LIGHT BROWN HP CEMENTED HARD
9 :	81-98	GRAY CLAY GRAV SAND HARD
10 :	98-120	LIGHT BROWN SAND GRAV CLAY
11 :	120-151	LIGHT BR HP CEMENTED
12 :	151-160	LG ROCKS GRAV SAND WATER

SITEID	472815122010101	LOCAL NUM.	23N/06E-22A03
LATITUDE	47d28m15s	LONGITUDE	122d01m01s
ALTITUDE	500.00	CONST. DATE	06/08/1981
WELL DEPTH	100.00	HOLE DEPTH	120.00
WATER LEVEL	60.00	W.L. DATE	06/08/1981
SCREEN INT.	90.00 - 100.00		
DRILLER	STATEWIDE		
WELL OWNER	MACK GRETCHEN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-57	GRAVEL HARDPAN BOULDERS
3 :	57-90	BLUE SILTY SAND
4 :	90-100	BLUE FINE SAND
5 :	100-120	BLUE SILTY SAND

SITEID	472814122011701	LOCAL NUM.	23N/06E-22B04
LATITUDE	47d28m14s	LONGITUDE	122d01m17s
ALTITUDE	330.00	CONST. DATE	09/12/1980
WELL DEPTH	151.00	HOLE DEPTH	152.00
WATER LEVEL	57.00	W.L. DATE	09/12/1980
SCREEN INT.	146.00 - 151.00		
DRILLER	B J DRILL CO		
WELL OWNER	CEDAR GROVE WATER DIST.		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	ROCK FILL BROWN
2 :	4-15	BROWN CLAY SANDY MATERIAL SOFT
3 :	15-20	BLUE SILTY CLAY CEMENTED
4 :	20-100	BLUE SILTY SAND CLAY SOFT
5 :	100-110	BLUE SAND CLAY TRACE OF WATER
6 :	110-120	BLUE SAND CLAY ROCKS TRACE WATER
7 :	120-130	BLUE SAND LAYER CLAY ROCK WATER
8 :	130-140	BLUE SAND CLAY COURSE
9 :	140-147	GRAY CLAY SAND GRAV NO WATER
10 :	147-152	GRAV SAND WATER

SITEID	472814122011702	LOCAL NUM.	23N/06E-22B05
LATITUDE	47d28m14s	LONGITUDE	122d01m17s
ALTITUDE	330.00	CONST. DATE	01/10/1981
WELL DEPTH	137.00	HOLE DEPTH	137.00
WATER LEVEL	66.00	W.L. DATE	01/10/1981
SCREEN INT.	132.00 - 137.00		
DRILLER	BURAAS D CO		
WELL OWNER	KACIR MARY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	BROWN LOAM
2 :	2-27	BROWN SANDY CLAY
3 :	27-45	BLUE CLAY WITH SILT LAYERS
4 :	45-57	GRAY GRAV HARD PAN
5 :	57-69	BROWN SEMI CONGLOMERATED GRAV
6 :	69-82	GRAY GRAVEL CLAY
7 :	82-88	GRAY SEMI CONGLOM GRAV
8 :	88-96	BROWN PIT RUN GRAV
9 :	96-137	BROWN WASHED SAND

SITEID	472816122025401	LOCAL NUM.	23N/06E-22C01
LATITUDE	47d28m16s	LONGITUDE	122d02m54s
ALTITUDE	300.00	CONST. DATE	12/27/1978
WELL DEPTH	192.00	HOLE DEPTH	192.00
WATER LEVEL	49.00	W.L. DATE	12/27/1978
SCREEN INT.	187.00 - 192.00		
DRILLER	B J DRILL CO		
WELL OWNER	MOONEY RICHARD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	DARK BROWN TOPSOIL
2 :	3-5	BROWN CLAY SAND & GRAVEL
3 :	5-54	BROWN CLAY SAND SOFT
4 :	54-68	GRAY CLAY SAND SOFT
5 :	68-98	SOFT GRAY CLAY SAND GRAVEL
6 :	98-129	GRAY CLAY SAND SILT
7 :	129-149	GRAY CLAY SAND SILT W SOME GRAVEL
8 :	149-159	GRAY CLAY SAND SILT W WATER
9 :	159-189	GRAY CLAY SAND SILT HEAVING
10 :	189-191	GRAY CLAY SAND SILT GRAVEL W WATER
11 :	191-192	GRAY CLAY SAND SILT

SITEID	472816122025402	LOCAL NUM.	23N/06E-22C02
LATITUDE	47d28m16s	LONGITUDE	122d02m54s
ALTITUDE	300.00	CONST. DATE	07/21/1978
WELL DEPTH	185.00	HOLE DEPTH	185.00
WATER LEVEL	72.00	W.L. DATE	07/21/1978
SCREEN INT.	185.00 - 185.00		
DRILLER	B J DRILL CO		
WELL OWNER	PICKERING DEVON		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	LIGHT BROWN SAND CLAY
2 :	3-20	BROWN CLAY SAND SOME GRAVEL
3 :	20-38	BROWN CLAY SAND DRY SOFT
4 :	38-128	GRAY CLAY GRAVEL SAND SOFT
5 :	128-148	GRAY CLAY GRAVEL SAND CEMENTED
6 :	148-160	GRAY CLAY GRAVEL SAND HEAVING
7 :	160-184	HEAVING SAND GRAVEL GRAY CLAY
8 :	184-185	LARGE GRAVEL ROCKS W WATER

SITEID	472807122014201	LOCAL NUM.	23N/06E-22F02
LATITUDE	47d28m07s	LONGITUDE	122d01m42s
ALTITUDE	300.00	CONST. DATE	07/28/1978
WELL DEPTH	147.00	HOLE DEPTH	147.00
WATER LEVEL	28.00	W.L. DATE	07/28/1978
SCREEN INT.	142.00 - 147.00		
DRILLER	B J DRILL CO		
WELL OWNER	MAAK BOB		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-18	LIGHT BROWN CLAY SAND SOFT
2 :	18-32	BROWN CLAY SOFT
3 :	32-100	GRAY CLAY SAND SOFT
4 :	100-138	GRAY CLAY STREAK SAND & GRAVEL
5 :	138-141	GRAY CLAY GRAV HEAVING
6 :	141-147	SAND GRAVEL WATER

SITEID	472804122011801	LOCAL NUM.	23N/06E-22G02
LATITUDE	47d28m04s	LONGITUDE	122d01m18s
ALTITUDE	320.00	CONST. DATE	10/05/1981
WELL DEPTH	168.00	HOLE DEPTH	172.00
WATER LEVEL	59.00	W.L. DATE	10/05/1981
SCREEN INT.	157.00 - 168.00		
DRILLER	B J DRILL CO		
WELL OWNER	LINDQUIST NEIL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	DARK BROWN TOPSOIL
2 :	2-16	BROWN CLAY SAND SOFT
3 :	16-28	GR CLAY SILT
4 :	28-58	BLUE CLAY SILT
5 :	58-68	GR CLAY SILT TRACE WATER
6 :	68-78	GR CLAY SILT SAND TRACE WATER
7 :	78-112	GR CLAY SILT SAND SILT WATER
8 :	112-113	GR CLAY LAYERS GRAV ROCKS
9 :	113-133	BR SILT CLAY SEMI-HARD
10 :	133-138	BR CLAY SAND SILT
11 :	138-144	BR CLAY SAND GRAV WATER
12 :	144-161	GR SAND SILT FINE GRAV
13 :	161-162	BOULDERS GRAV SILT
14 :	162-166	GRAY SAND GRAVEL CLAY WATER
15 :	166-169	GRAY SAND GRAVEL W HARD STREAKS
16 :	169-172	GRAY SAND GRAVEL LAYERS WATER SILT
17 :	172-	GRAY CLAY

SITEID	472805122010101	LOCAL NUM.	23N/06E-22H01
LATITUDE	47d28m05s	LONGITUDE	122d01m01s
ALTITUDE	370.00	CONST. DATE	03/11/1986
WELL DEPTH	88.00	HOLE DEPTH	88.00
WATER LEVEL	45.00	W.L. DATE	03/11/1986
DRILLER	OELKE D CO		
WELL OWNER	HAYES NICK		

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INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	BRN SOIL
2 :	3-7	BROWN SAND GRAVEL
3 :	7-10	WET GRAY SAND
4 :	10-36	MOIST SILTY SAND GRAV
5 :	36-55	COARSE GRAY SILT W WATER
6 :	55-60	GR SILT W/GRAY
7 :	60-63	BLUE GREEN CLAY
8 :	63-75	WET SILTY GRAY SAND
9 :	75-85	GRAY SILTY SAND SOME GRAVEL
10 :	85-88	SMALL BLACK GRAVEL W WATER

SITEID	472751122013801	LOCAL NUM.	23N/06E-22L01
LATITUDE	47d27m51s	LONGITUDE	122d01m30s
ALTITUDE	310.00	CONST. DATE	12/13/1977
WELL DEPTH	179.00	HOLE DEPTH	179.00
WATER LEVEL	74.00	W.L. DATE	12/00/1977
SCREEN INT.	174.00 - 179.00		
DRILLER	B J DRILL CO		
WELL OWNER	GARRISON JOHN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	DARK BROWN TOPSOIL

2 :	4-29	LIGHT BROWN CLAY SAND
3 :	29-84	GRAY CLAY
4 :	84-92	GRAY SILT GRAVEL HEAVING WATER
5 :	92-93	GRAY CLAY
6 :	93-101	GRAY SAND CLAY GRAVEL HEAVING
7 :	101-135	GRAY CLAY SOME SMALL GRAVEL
8 :	135-148	BLACK FINE SAND SILT WATER HEAVING
9 :	148-165	GRAY SAND CLAY HEAVING WATER
10 :	165-179	SAND CLAY GRAVEL WATER

SITEID	472750122015801	LOCAL NUM.	23N/06E-22M01
LATITUDE	47d27m50s	LONGITUDE	122d01m58s
ALTITUDE	420.00	CONST. DATE	10/05/1973
WELL DEPTH	160.00	HOLE DEPTH	160.00
WATER LEVEL	141.00	W.L. DATE	10/17/1973
SCREEN INT.	153.00 - 158.00		
DRILLER	B J DRILL CO		
WELL OWNER	STANLEY RON CO.		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	SOFT BROWN CLAY SAND GRAVEL
2 :	12-16	BROWN HARDPAN CEMENTED
3 :	16-19	LIGHT BROWN HARDPAN CEMENTED
4 :	19-20	BOULDERS
5 :	20-29	LIGHT BRN HARDPAN CEMENTED BOULDERS
6 :	29-38	LIGHT BRN HARDPAN SAND GRAVEL LOOSE
7 :	38-55	RED BRN HARDPAN SAND GRAVEL SOFT
8 :	55-81	LIGHT BROWN HARDPAN CEMENTED
9 :	81-98	HARD GRAY CLAY GRAVEL SAND
10 :	98-120	LIGHT BROWN SAND GRAVEL CLAY
11 :	120-151	LIGHT BROWN HARDPAN
12 :	151-160	LARGE ROCKS GRAVEL SAND W WATER

SITEID	472739122015801	LOCAL NUM.	23N/06E-22N01
LATITUDE	47d27m39s	LONGITUDE	122d01m58s
ALTITUDE	510.00	CONST. DATE	06/16/1976
WELL DEPTH	400.00	HOLE DEPTH	405.00
WATER LEVEL	327.00	W.L. DATE	00/00/0000
DRILLER	RICHARDSON		
WELL OWNER	MILLER DICK W		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	TOPSOIL & GRAVEL
2 :	1-5	CLAY & GRAVEL
3 :	5-58	HARDPAN & BOULDERS
4 :	58-80	GRAVEL, CLAY & SOME SEAPAGE
5 :	80-154	HARDPAN & BOULDER
6 :	154-187	CLAY, GRAVEL & BOULDERS
7 :	187-204	SAND & CLAY
8 :	204-227	SAND & DRY GRAVEL
9 :	227-238	YELLOW HARDPAN
10 :	238-312	CLAY & GRAVEL
11 :	312-338	HARDPAN & BOULDERS
12 :	338-340	A LITTLE WATER, CLAY & GRAVEL
13 :	340-368	YELLOW HARDPAN
14 :	368-370	A LITTLE WATER & GRAY HARDPAN
15 :	370-378	GRAY HARDPAN
16 :	378-405	YELLOW HARDPAN & BOULDERS

SITEID	472807121594901	LOCAL NUM.	23N/06E-23H01
LATITUDE	47d28m07s	LONGITUDE	121d59m49s
ALTITUDE	870.00	CONST. DATE	12/21/1976
WELL DEPTH	268.00	HOLE DEPTH	268.00
WATER LEVEL	150.00	W.L. DATE	12/21/1976
DRILLER	H O MEYER		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	FILL
2 :	3-8	DARK SAND TILL
3 :	8-26	LIGHT BROWN TILL
4 :	26-42	LIGHT BROWN TILL
5 :	42-67	BROWN DRY GRAVEL
6 :	67-90	BROWN DRY GRAVEL
7 :	90-115	DENSE DRY BROWN GRAVEL
8 :	115-127	DENSE DRY BROWN GRAVEL
9 :	127-130	LIGHT BROWN TILL
10 :	130-138	BLUE CLAY
11 :	138-149	BROWN SAND & SILT
12 :	149-202	DRY BROWN GRAVEL
13 :	202-209	BLUE SILTY CLAY
14 :	209-228	BROWN SANDY SILT
15 :	228-256	DENSE SAND & GRAVEL TILL
16 :	256-260	BROWN SANDY SILT
17 :	260-265	SAND & GRAVEL

SITEID	472802121594301	LOCAL NUM.	23N/06E-23H02
LATITUDE	47d28m02s	LONGITUDE	121d59m43s
ALTITUDE	850.00	CONST. DATE	04/05/1985
WELL DEPTH	244.00	HOLE DEPTH	250.00
WATER LEVEL	212.00	W.L. DATE	04/05/1985
SCREEN INT.	225.00 - 244.00		
DRILLER	JOHNSON		
WELL OWNER	MIRRORMOUNT SERVICES		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	SURFACE
2 :	5-53	GRAY HARDPAN
3 :	53-121	BROWN HARDPAN
4 :	121-190	BROWN HARDPACKED GRAVEL
5 :	190-215	BROWN HARDPAN
6 :	215-220	GRAY WATER SAND & GRAVEL
7 :	220-228	GRAY HARDPACKED GRAVEL
8 :	228-230	GRAY HARDPAN
9 :	230-233	BROWN SAND-SEEPAGE
10 :	233-236	BROWN SAND & GRAVEL
11 :	236-245	BROWN WATER SAND & GRAVEL
12 :	245-250	GRAY SILTY CLAY

SITEID	472802121594302	LOCAL NUM.	23N/06E-23H03
LATITUDE	47d28m02s	LONGITUDE	121d59m43s
ALTITUDE	850.00	CONST. DATE	05/10/1978
WELL DEPTH	227.00	HOLE DEPTH	227.00

WATER LEVEL 203.00 W.L. DATE 04/25/1978
SCREEN INT. 211.00 - 226.00
DRILLER JOHNSON
WELL OWNER MIRRORMOUNT SERVICES

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-60	GRAY HARDPAN
3 :	60-115	BROWN HARDPAN
4 :	115-188	BROWN HARDPAN GRAVEL
5 :	188-227	GRAY WATER GRAVEL

SITEID 472802121594303 LOCAL NUM. 23N/06E-23H04
LATITUDE 47d28m02s LONGITUDE 121d59m43s
ALTITUDE 850.00 CONST. DATE 09/09/1987
WELL DEPTH 461.00 HOLE DEPTH 461.00
WATER LEVEL 214.00 W.L. DATE 09/09/1987
SCREEN INT. 285.00 - 320.00
DRILLER NORTHWEST
WELL OWNER MIRRORMOUNT SERVICES

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-14	BLACK CEMENTED SAND & GRAVEL
2 :	14-43	BLACK TILL
3 :	43-233	BROWN CEMENTED SAND & GRAVEL
4 :	233-244	SAND & GRAVEL W WATER
5 :	244-267	BLACK SILTY SAND
6 :	267-325	BROWN SAND & GRAVEL W WATER
7 :	325-383	BL.SLT&SLTY SND W/LEN WBS&OCC GRAVL
8 :	383-406	SAND & GRAVEL W WATER
9 :	406-438	BLACK TILL
10 :	438-457	SAND & GRAVEL W WATER
11 :	457-461	BLACK TILL

SITEID 472750121594401 LOCAL NUM. 23N/06E-23J01
LATITUDE 47d27m50s LONGITUDE 121d59m44s
ALTITUDE 800.00 CONST. DATE 02/13/1986
WELL DEPTH 275.00 HOLE DEPTH 275.00
WATER LEVEL 0.00 W.L. DATE 02/18/1986
DRILLER JOHNSON
WELL OWNER CROSLEY DARRELL

INT NO.	INTVL(FT)	DESCRIPTION
1 :	126-155	TAN CLAY
2 :	155-185	TAN CLAY & GRAVEL
3 :	185-204	GRAY SAND
4 :	204-213	BROWN SAND
5 :	213-218	GRAY CLAY
6 :	218-232	GRAY SAND
7 :	232-240	BROWN CLAY
8 :	240-265	BROWN SILT
9 :	265-272	GRAY SAND
10 :	272-275	GRAY WATER SAND AND GRAVEL

SITEID 472739122004201 LOCAL NUM. 23N/06E-23N02
LATITUDE 47d27m39s LONGITUDE 122d00m42s
ALTITUDE 280.00 CONST. DATE 01/10/1977
WELL DEPTH 150.00 HOLE DEPTH 150.00
WATER LEVEL -1.00 W.L. DATE 01/10/1977
SCREEN INT. 144.00 - 150.00
DRILLER B J DRILL CO
WELL OWNER GALE, LEON

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-19	LIGHT BROWN SAND CLAY DRY
2 :	19-30	GRAY CLAY SAND SOFT DRY
3 :	30-35	BLUE CLAY SAND SOFT
4 :	35-43	GRAY CLAY W/SAND & GRAVEL TRACE H20
5 :	43-49	GRAY LAYER CLAY SAND NO H20
6 :	49-80	GRAY CLAY SAND GRAVEL H20
7 :	80-85	GRAY SILT HEAVING 20'
8 :	85-105	GRAY CLAY NO WATER
9 :	105-135	GRAY SILT SAND SIMI-HARD
10 :	135-144	GRAY SILT SAND HEAVING
11 :	144-150	SAND GRAVEL WATER

SITEID 472740122002101 LOCAL NUM. 23N/06E-23P01
LATITUDE 47d27m40s LONGITUDE 122d00m21s
ALTITUDE 390.00 CONST. DATE 04/13/1988
WELL DEPTH 75.00 HOLE DEPTH 116.00
WATER LEVEL 3.00 W.L. DATE 04/13/1988
SCREEN INT. 22.00 - 35.00
DRILLER JOHNSON
WELL OWNER GERARD, JIM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-18	BROWN CLAY
2 :	18-35	GRAY SAND & GRAVEL W WATER
3 :	35-47	GRAY CLAY
4 :	47-64	GRAY SAND
5 :	64-83	GRAY SAND-FINE SOME GRAVEL
6 :	83-100	GRAY GRAVEL CLAY
7 :	100-112	GRAY CLAY
8 :	112-116	GRAY SILT

SITEID 472815121582501 LOCAL NUM. 23N/06E-24A01
LATITUDE 47d28m15s LONGITUDE 121d58m25s
ALTITUDE 1280.00 CONST. DATE 08/12/1986
WELL DEPTH 400.00 HOLE DEPTH 400.00
WATER LEVEL 40.00 W.L. DATE 08/12/1986
SCREEN INT. 400.00 - 400.00
DRILLER NW PUMP
WELL OWNER HORNSBY, KEVIN

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-15	BROWN CEMENTED SAND & GRAVEL
3 :	15-26	BROWN FRACTURED SANDSTONE

4 :	26-36	GRAY TO WHITE FRACTURED SANDSTONE
5 :	36-400	LIGHT GRAY TO DARK GRAY SANDSTONE

SITEID	472815121584301	LOCAL NUM.	23N/06E-24B01
LATITUDE	47d28m15s	LONGITUDE	121d58m43s
ALTITUDE	1180.00	CONST. DATE	06/08/1983
WELL DEPTH	90.00	HOLE DEPTH	90.00
WATER LEVEL	73.00	W.L. DATE	06/08/1983
SCREEN INT.	90.00 - 90.00		
DRILLER	NW PUMP		
WELL OWNER	MANLEY, IVAN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL BROWN DRY
2 :	2-11	SAND & GRAVEL BROWN DRY
3 :	11-49	GLACIAL TILL, BROWN, DAMP
4 :	49-57	GLACIAL TILL, BLUE, DRY
5 :	57-71	SILTY SAND, OCC. GRAVEL, BLUE, DRY
6 :	71-90	WATER BEARING SAND AND GRAVEL

SITEID	472815121584302	LOCAL NUM.	23N/06E-24B02
LATITUDE	47d28m15s	LONGITUDE	121d58m43s
ALTITUDE	1180.00	CONST. DATE	09/05/1980
WELL DEPTH	71.00	HOLE DEPTH	71.00
WATER LEVEL	19.00	W.L. DATE	05/04/1980
SCREEN INT.	61.00 - 71.00		
DRILLER	B J DRILL CO		
WELL OWNER	PETERSON, PETE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	BROWN TOP SOILD & ROCKS
2 :	12-18	BROWN CLAY GRAVEL
3 :	18-30	BROWN CLAY GRAVEL SAND TRACE H20
4 :	30-35	BROWN CLAY GRAVEL SAND TRACE H20
5 :	35-40	BROWN DRY GRAVEL ROCKS
6 :	40-50	BROWN DRY GRAVEL SAND ROCKS
7 :	50-60	BROWN DRY GRAVEL & ROCKS WATER
8 :	60-71	GRAVEL SAND WATER

SITEID	472815121584303	LOCAL NUM.	23N/06E-24B03
LATITUDE	47d28m15s	LONGITUDE	121d58m43s
ALTITUDE	1180.00	CONST. DATE	07/17/1981
WELL DEPTH	80.00	HOLE DEPTH	80.00
WATER LEVEL	55.00	W.L. DATE	07/17/1981
SCREEN INT.	57.00 - 63.00		
DRILLER	NW PUMP		
WELL OWNER	STARK DAN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-31	TILL BROWN DRY W BOULDERS
2 :	31-58	TILL BLUE DRY
3 :	58-63	WATER BEARING SAND & GRAVEL
4 :	63-80	TILL, BROWN, DAMP

SITEID	472815121584304	LOCAL NUM.	23N/06E-24B04
LATITUDE	47d28m15s	LONGITUDE	121d58m43s
ALTITUDE	1180.00	CONST. DATE	07/19/1979
WELL DEPTH	108.00	HOLE DEPTH	108.00
WATER LEVEL	85.00	W.L. DATE	07/19/1979
SCREEN INT.	108.00 - 108.00		
DRILLER	NW PUMP		
WELL OWNER	SMITH STAN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	TOPSOIL
2 :	4-49	BROWN CEMENTED SAND & GRAVEL
3 :	49-75	BLUE SILTY SAND
4 :	75-87	BROWN SILTY SAND & GRAVEL
5 :	87-100	BLUE SILTY SAND & GRAVEL
6 :	100-103	
7 :	103-108	WATER BEARING SAND & GRAVEL

SITEID	472818121590901	LOCAL NUM.	23N/06E-24C01
LATITUDE	47d28m18s	LONGITUDE	121d59m09s
ALTITUDE	920.00	CONST. DATE	12/28/1987
WELL DEPTH	307.00	HOLE DEPTH	310.00
WATER LEVEL	282.00	W.L. DATE	12/28/1987
SCREEN INT.	302.00 - 307.00		
DRILLER	B J DRILL CO		
WELL OWNER	HAPKE DONALD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-6	SANDY CLAY LOAM-ONE LG BOULDER @4'
2 :	6-36	TAN CLAY & GRAVEL
3 :	36-40	GREY & GRAVEL
4 :	40-60	TAN CLAY & GRAVEL
5 :	60-136	TAN C & G LAYERED,VERY LITTLE CLAY
6 :	136-170	TAN CLAY & GRAVEL
7 :	170-179	BROWN CLAY & GRAVEL
8 :	179-180	RED CLAY & GRAVEL
9 :	180-190	BROWN CLAY & GRAVEL
10 :	190-297	TAN CLAY & GRAVEL SOME WATER
11 :	297-307	WATER BEARING GRAVEL
12 :	307-310	TAN DRY GRAVEL SAND

SITEID	472818121590902	LOCAL NUM.	23N/06E-24C02
LATITUDE	47d28m18s	LONGITUDE	121d59m09s
ALTITUDE	930.00	CONST. DATE	07/21/1980
WELL DEPTH	318.00	HOLE DEPTH	318.00
WATER LEVEL	276.00	W.L. DATE	07/21/1980
SCREEN INT.	318.00 - 318.00		
DRILLER	JOHNSON		
WELL OWNER	AHRENS, Red J		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE

2 :	3-105	GRAY HARDPAN GRAVEL
3 :	105-180	BROWN HARDPAN GRAVEL
4 :	180-220	GRAY LOOSE GRAVEL
5 :	220-310	GRAY HARDPAN GRAVEL
6 :	310-318	GRAY GRAVEL AND WATER
7 :	318-	GRAY HARDPAN

SITEID	472818121590903	LOCAL NUM.	23N/06E-24C03
LATITUDE	47d28m18s	LONGITUDE	121d59m09s
ALTITUDE	920.00	CONST. DATE	07/26/1965
WELL DEPTH	299.00	HOLE DEPTH	299.00
WATER LEVEL	0.00	W.L. DATE	/ /
SCREEN INT.	290.00 - 299.00		
DRILLER	B J DRILL CO		
WELL OWNER	THOMAS E L		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	BROWN TOPSOIL
2 :	2-60	BROWN SAND GRAVEL CEMENTED
3 :	60-210	LIGHT BROWN CLAY SAND ROCK GRAVEL
4 :	210-299	SAND & GRAVEL HEAVING WATER

SITEID	472815121592001	LOCAL NUM.	23N/06E-24D03
LATITUDE	47d28m15s	LONGITUDE	121d59m20s
ALTITUDE	850.00	CONST. DATE	10/25/1983
WELL DEPTH	193.00	HOLE DEPTH	195.00
WATER LEVEL	70.00	W.L. DATE	10/24/1983
SCREEN INT.	188.00 - 193.00		
DRILLER	B J DRILL CO		
WELL OWNER	BEAN JACK		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	TOPSOIL
2 :	1-39	BROWN SANDY CLAY GRAVEL
3 :	39-45	BROWN SAND CLAY GRAVEL ROCKS
4 :	45-60	BROWN SAND CLAY GRAVEL CEMENTED
5 :	60-70	LT BROWN GRAY CLAY GRAVEL COBBLES
6 :	70-80	LIGHT BROWN GRAVEL ROCKS CLAY
7 :	80-90	LT BROWN LAYERS SAND GRAVEL C.
8 :	90-105	BROWN GRAVEL SAND ROCKS CLAY
9 :	105-120	LT BROWN CLAY GRAVEL SAND CLAY
10 :	120-130	LT GRAY GRAVEL ROCK SAND CLAY
11 :	130-187	LIGHT BROWN SAND GRAVEL CLAY
12 :	187-193	SAND GRAVEL WATER
13 :	193-195	SILTY SAND SMALL HEAVE

SITEID	472801121590401	LOCAL NUM.	23N/06E-24F03
LATITUDE	47d28m01s	LONGITUDE	121d59m04s
ALTITUDE	910.00	CONST. DATE	08/27/1982
WELL DEPTH	300.00	HOLE DEPTH	300.00
WATER LEVEL	73.00	W.L. DATE	08/27/1982
SCREEN INT.	55.00 - 100.00		
DRILLER	NORTHWEST		
WELL OWNER	CULP BILL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	200-219	CLAY,SILTY,OCC.GRAVEL,BROWN DRY
2 :	219-226	CLAY BLUE DRY
3 :	226-263	CLAY,SILTY,BROWN,OCC.GRAVEL,DRY
4 :	263-300	CLAY,BLUE,OCC.GRAVEL,DRY

SITEID	472801121590402	LOCAL NUM.	23N/06E-24F04
LATITUDE	47d28m01s	LONGITUDE	121d59m04s
ALTITUDE	910.00	CONST. DATE	03/29/1987
WELL DEPTH	72.00	HOLE DEPTH	72.00
WATER LEVEL	39.00	W.L. DATE	03/27/1987
SCREEN INT.	63.00 - 68.00		
DRILLER	B J DRILL CO		
WELL OWNER	MALONE, ROBIN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-18	LIGHT BROWN CLAY GRAVEL BOULDERS
2 :	18-62	LIGHT TAN CLAY & GRAVEL
3 :	62-68	BROWN CLAY & GRAVEL
4 :	68-72	LIGHT TAN CLAY & GRAVEL

SITEID	472749121582701	LOCAL NUM.	23N/06E-24J02
LATITUDE	47d27m49s	LONGITUDE	121d58m27s
ALTITUDE	1320.00	CONST. DATE	01/06/1983
WELL DEPTH	200.00	HOLE DEPTH	200.00
WATER LEVEL	0.00	W.L. DATE	00/00/0000
SCREEN INT.	35.00 - 40.00		
DRILLER	NW PUMP		
WELL OWNER	CLARK LARRY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL BROWN DRY
2 :	2-21	GLACIAL TILL BROWN DRY
3 :	21-30	GLACIAL TILL, BLUE, DAMP
4 :	30-61	GLACIAL TILL, BROWN, DAMP
5 :	61-70	GLACIAL, TILL, BLUE, DRY
6 :	70-137	SANDSTONE, WHITE, DRY
7 :	137-152	SANDSTONE, GRAY, DRY
8 :	152-200	SANDSTONE, WHITE, DRY

SITEID	472749121584302	LOCAL NUM.	23N/06E-24K02
LATITUDE	47d27m49s	LONGITUDE	121d58m43s
ALTITUDE	950.00	CONST. DATE	05/01/1985
WELL DEPTH	500.00	HOLE DEPTH	500.00
WATER LEVEL	10.00	W.L. DATE	02/29/1985
SCREEN INT.	18.00 - 22.00		
DRILLER	JOHNSON		
WELL OWNER	HOLLICKY JOHN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE

2 :	3-17	BROWN TILL
3 :	17-20	BROWN GRAVEL W SEEPAGE
4 :	20-200	GRAY SANDSTONE
5 :	200-500	HARD GRAY SHALE

SITEID	472749121584301	LOCAL NUM.	23N/06E-24K01
LATITUDE	47d27m49s	LONGITUDE	121d58m43s
ALTITUDE	950.00	CONST. DATE	11/22/1973
WELL DEPTH	320.00	HOLE DEPTH	322.00
WATER LEVEL	165.00	W.L. DATE	11/24/1975
SCREEN INT.	302.00 - 320.00		
DRILLER	JOHNSON		
WELL OWNER	STRANACK MARK		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-18	BROWN CLAYISH ROCK
2 :	18-36	GRAY SOFT ROCK
3 :	36-55	BROWN ROCK
4 :	55-87	HARD GRAY ROCK
5 :	87-150	GRAY SOFT ROCK
6 :	150-240	BROWN SOFT ROCK
7 :	240-302	GRAY SANDSTONE
8 :	302-322	GRAY SANDSTONE W WATER
9 :		

SITEID	472737121592401	LOCAL NUM.	23N/06E-24N01
LATITUDE	47d27m37s	LONGITUDE	121d59m24s
ALTITUDE	620.00	CONST. DATE	03/19/1987
WELL DEPTH	200.00	HOLE DEPTH	200.00
WATER LEVEL	0.00	W.L. DATE	03/19/1987
SCREEN INT.	172.00 - 200.00		
DRILLER	NW PUMP		
WELL OWNER	MIRRORMONT SERVICES		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	TOPSOIL
2 :	4-15	BROWN SILTY SAND
3 :	15-30	BROWN SILTY SAND AND GRAVEL
4 :	30-74	BROWN CEMENTED SAND AND GRAVEL
5 :	74-93	BLUE SILT
6 :	93-109	WATER BEARING S & G 15-30 GPM
7 :	109-116	BLUE SILT
8 :	116-122	WATER BEARING S & G 40-50GPM SWL60'
9 :	122-155	BLUE SILTY SAND & GRAVEL
10 :	155-167	WATER BEARING SAND & GRAVEL
11 :	167-171	BLUE TILL
12 :	171-200	WHITE TO GRAY SANDSTONE

SITEID	472737121592402	LOCAL NUM.	23N/06E-24N02
LATITUDE	47d27m37s	LONGITUDE	121d59m24s
ALTITUDE	620.00	CONST. DATE	08/22/1986
WELL DEPTH	247.00	HOLE DEPTH	249.00
WATER LEVEL	207.00	W.L. DATE	08/22/1986
SCREEN INT.	232.00 - 247.00		
DRILLER	NW PUMP		
WELL OWNER	MIRRORMONT SERVICES		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-26	BROWN TILL
3 :	26-42	BLUE TILL
4 :	42-222	BROWN CEMENTED SAND AND GRAVEL
5 :	222-248	WATER BEARING SAND AND GRAVEL
6 :	248-249	BLUE SILTY SAND

SITEID	472736121582701	LOCAL NUM.	23N/06E-24R01
LATITUDE	47d27m36s	LONGITUDE	121d58m27s
ALTITUDE	1130.00	CONST. DATE	12/17/1986
WELL DEPTH	271.00	HOLE DEPTH	271.00
WATER LEVEL	0.00	W.L. DATE	/ /
SCREEN INT.	200.00 - 269.00		
DRILLER	JOHNSON		
WELL OWNER	AGNEW, RANDY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-11	BROWN GRAVEL ROCKS
3 :	11-60	GRAY DECAYED SOLID ROCK
4 :	60-260	GRAY ROCK
5 :	260-265	LIGHT GREEN ROCK - WATER
6 :	265-271	GREEN ROCK

SITEID	472712121592301	LOCAL NUM.	23N/06E-25E01
LATITUDE	47d27m12s	LONGITUDE	121d59m23s
ALTITUDE	440.00	CONST. DATE	06/09/1983
WELL DEPTH	93.00	HOLE DEPTH	95.00
WATER LEVEL	45.00	W.L. DATE	06/09/1983
SCREEN INT.	88.00 - 93.00		
DRILLER	EVERGREEN		
WELL OWNER	PINKLEY JOHN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-25	BROWN COMPACT TILL
2 :	25-80	BROWN SAND & GRAVEL W BINDER
3 :	80-87	BROWN VERY DIRTY SAND
4 :	87-93	FINE SAND
5 :	93-95	COMPACT TILL

SITEID	472709121582501	LOCAL NUM.	23N/06E-25H01
LATITUDE	47d27m09s	LONGITUDE	121d58m25s
ALTITUDE	750.00	CONST. DATE	01/28/1987
WELL DEPTH	69.00	HOLE DEPTH	69.00
WATER LEVEL	-1.50	W.L. DATE	01/28/1987
SCREEN INT.	69.00 - 69.00		
DRILLER	JOHNSON		
WELL OWNER	SEWELL J.H.		

INT

NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-8	BROWN HARDPAN
3 :	8-54	GRAY HARDPAN CLAY
4 :	54-69	GRAY WATER SAND AND GRAVEL
5 :	69-	GRAY CLAY GRAVEL

SITEID	472658121582501	LOCAL NUM.	23N/06E-25J03
LATITUDE	47d26m58s	LONGITUDE	121d58m25s
ALTITUDE	640.00	CONST. DATE	09/04/1981
WELL DEPTH	80.00	HOLE DEPTH	80.00
WATER LEVEL	16.00	W.L. DATE	09/04/1981
SCREEN INT.	80.00 - 80.00		
DRILLER	NW PUMP		
WELL OWNER	MERRILL JIM		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL BROWN DAMP
2 :	3-14	SILTY SAND W OCC GRAVEL BLUE DAMP
3 :	14-32	GLACIAL TILL, BLUE DAMP
4 :	32-39	CLAY BLUE DRY
5 :	39-54	GLACIAL TILL BLUE WET
6 :	54-78	SAND SILTY OCC GRAVEL BLUE DAMP
7 :	78-80	WATER BEARING SAND AND GRAVEL

SITEID	472657121582501	LOCAL NUM.	23N/06E-25J04
LATITUDE	47d26m57s	LONGITUDE	121d58m25s
ALTITUDE	640.00	CONST. DATE	07/21/1983
WELL DEPTH	60.00	HOLE DEPTH	60.00
WATER LEVEL	47.00	W.L. DATE	07/21/1983
SCREEN INT.	60.00 - 60.00		
DRILLER	JOHNSON		
WELL OWNER	RAFA MARY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-25	BROWN HARDPAN BOULDERS
3 :	25-56	BROWN SAND AND GRAVEL
4 :	56-60	BROWN WATER SAND AND GRAVEL

SITEID	472653121582301	LOCAL NUM.	23N/06E-25J05
LATITUDE	47d26m52s	LONGITUDE	121d58m45s
ALTITUDE	600.00	CONST. DATE	10/11/1983
WELL DEPTH	74.00	HOLE DEPTH	74.00
WATER LEVEL	0.00	W.L. DATE	10/11/1983
DRILLER	JOHNSON		
WELL OWNER	CRAWFORD P B		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	BROWN SAND & GRAVEL SILT
2 :	12-60	GRAY SILT GRAVEL
3 :	60-74	TAN WATER SAND & GRAVEL

SITEID	472658121584501	LOCAL NUM.	23N/06E-25K03
LATITUDE	47d26m58s	LONGITUDE	121d58m45s
ALTITUDE	560.00	CONST. DATE	02/10/1978
WELL DEPTH	50.00	HOLE DEPTH	50.00
WATER LEVEL	25.00	W.L. DATE	02/10/1978
SCREEN INT.	50.00 - 50.00		
DRILLER	JOHNSON		
WELL OWNER	FARNAN STEVE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-40	BROWN HARDPAN GRAVEL
3 :	40-50	SAND AND GRAVEL WITH WATER

SITEID	472658121584502	LOCAL NUM.	23N/06E-25K04
LATITUDE	47d26m58s	LONGITUDE	121d58m45s
ALTITUDE	580.00	CONST. DATE	11/12/1976
WELL DEPTH	220.00	HOLE DEPTH	220.00
WATER LEVEL	0.00	W.L. DATE	00/00/0000
SCREEN INT.	81.00 - 81.00		
DRILLER	JOHNSON		
WELL OWNER	THIBODEAUX/JOHNCOX		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-38	BROWN SAND
3 :	38-43	BROWN SAND AND GRAVEL
4 :	43-54	BROWN HARDPAN
5 :	54-67	BLUE CLAY
6 :	67-160	GRAY DECAYED SANDSTONE
7 :	160-220	GRAY BROWN SANDSTONE

SITEID	472658121590101	LOCAL NUM.	23N/06E-25L01
LATITUDE	47d26m58s	LONGITUDE	121d59m01s
ALTITUDE	520.00	CONST. DATE	07/26/1983
WELL DEPTH	132.00	HOLE DEPTH	132.00
WATER LEVEL	65.00	W.L. DATE	07/26/1983
SCREEN INT.	132.00 - 132.00		
DRILLER	NW PUMP		
WELL OWNER	WILSON DEAN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-8	SAND BROWN DRY
2 :	8-21	GLACIAL TILL BROWN DRY
3 :	21-80	SAND, BROWN, DRY
4 :	80-120	SAND, OCC. GRAVEL, BROWN
5 :	120-132	WATER BEARING SAND & GRAVEL

SITEID	472658121590102	LOCAL NUM.	23N/06E-25L02
LATITUDE	47d26m58s	LONGITUDE	121d59m01s

ALTITUDE	520.00	CONST. DATE	12/06/1979
WELL DEPTH	242.00	HOLE DEPTH	243.00
WATER LEVEL	119.00	W.L. DATE	12/06/1979
SCREEN INT.	237.00 - 242.00		
DRILLER	B J DRILL CO		
WELL OWNER	THORESEN DUANE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	BROWN CLAY SAND LARGE ROCKS
2 :	2-9	BROWN SAND CLAY GRAVEL
3 :	9-12	BROWN CLAY SAND SHARP GRAVEL
4 :	12-18	LT BROWN CLAY SAND LARGE GRAVEL
5 :	18-26	BROWN CLAY DRY SAND & GRAVEL LOOSE
6 :	26-46	BROWN SAND CLAY GRAVEL LOOSE
7 :	46-58	LT GRAY SAND GRAVEL STREAK SOFTNED
8 :	58-68	GRAY SAND GRAVEL HARD & LOOSE
9 :	68-73	LIGHT GRAY CLAY SAND GRAVEL
10 :	73-81	GRAY CLAY SAND GRAVEL LOOSE
11 :	81-93	LIGHT GRAY CLAY SAND SHARP GRAVEL
12 :	93-137	LIGHT BROWN CLAY GRAVEL SAND
13 :	137-138	LIGHT BROWN CLAY S & G BOLDERS
14 :	138-146	LIGHT BROWN CLAY GRAVEL LOOSE
15 :	146-149	LIGHT BROWN CLAY SAND & GRAVEL
16 :	149-176	GRAY CLAY SAND GRAVEL CEMENTED
17 :	176-179	GRAY CLAY SAND GRAVEL LOOSE
18 :	179-183	GRAY CLAY LGE GRAVEL SAND SEMI HARD
19 :	183-192	GRAY CLAY GRAVEL S CEMENTD BOULDER
20 :	192-194	BROWN CLAY SMALL GRAVEL SAND LOOSE
21 :	194-203	GRAY CLAY LARGE ROCKS GRAVEL SAND
22 :	203-204	GRAY CLAY GRAVEL SAND TRACE WATER
23 :	204-216	GRAY CL GRVL SA LOOSE WTR FOLLOWING
24 :	216-225	GRAY CL STREAKS SA GRVL TRACE WTR
25 :	225-232	GRAY CLAY SNAD GRAVEL ROCKS BLDRS
26 :	232-241	GRAY CLAY GRAVEL SAND ROCKS BLDRS
27 :	241-243	BROWN GRAVEL SAND CLAY ROCKS WATER

SITEID	472658121590201	LOCAL NUM.	23N/06E-25L03
LATITUDE	47d26m58s	LONGITUDE	121d59m02s
ALTITUDE	520.00	CONST. DATE	11/28/1983
WELL DEPTH	157.00	HOLE DEPTH	157.00
WATER LEVEL	114.00	W.L. DATE	11/25/1983
SCREEN INT.	152.00 - 157.00		
DRILLER	BURAAS D CO		
WELL OWNER	THORESEN DUANE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	BROWN LOAM
2 :	2-9	BROWN SANDY CLAY
3 :	9-84	BROWN DRY SAND
4 :	84-122	BROWN DRY SAND WITH GRAVEL
5 :	122-157	BRN WASHED MED TO COURSE S WITH G

SITEID	472659121590201	LOCAL NUM.	23N/06E-25L04
LATITUDE	47d26m59s	LONGITUDE	121d59m02s
ALTITUDE	500.00	CONST. DATE	11/15/1983
WELL DEPTH	247.00	HOLE DEPTH	247.00
WATER LEVEL	122.00	W.L. DATE	11/11/1983
SCREEN INT.	237.00 - 247.00		
DRILLER	BURAAS D CO		
WELL OWNER	WALLIS ALAN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	BROWN SANDY LOAM
2 :	2-14	BROWN SANDY CLAY
3 :	14-16	BROWN DRY GRAVEL
4 :	16-24	BROWN DRY SAND
5 :	24-36	BROWN DRY GRAVEL
6 :	36-90	BROWN DRY SAND AND GRAVEL
7 :	90-136	BROWN DRY GRAVEL
8 :	136-142	BROWN SILTY SAND W SOME CLAY MIXTUR
9 :	142-154	BROWN DRY GRAVEL WITH SAND
10 :	154-231	GRAY DENSE GRAVEL WITH SILT LAYERS
11 :	231-236	GRAY SILT
12 :	236-239	GRAY TILL WITH BOULDERS
13 :	239-247	GRAY FINE WASHED SAND

SITEID	472646121590201	LOCAL NUM.	23N/06E-25P02
LATITUDE	47d26m46s	LONGITUDE	121d59m02s
ALTITUDE	440.00	CONST. DATE	04/11/1979
WELL DEPTH	100.00	HOLE DEPTH	100.00
WATER LEVEL	6.00	W.L. DATE	04/17/1979
SCREEN INT.	95.00 - 100.00		
DRILLER	RICHARDSON		
WELL OWNER	NACHTMAN WAYNE C		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-7	CLAY & GRAVEL
3 :	7-16	GRAVEL, CLAY & SAND
4 :	16-58	SAND CLAY AND GRAVEL
5 :	58-61	SEEPAGE & SAND
6 :	61-91	SAND
7 :	91-95	SAND & SEEPAGE
8 :	95-100	SAND GRAVEL AND WATER

SITEID	472644121585801	LOCAL NUM.	23N/06E-25P03
LATITUDE	47d26m44s	LONGITUDE	121d58m58s
ALTITUDE	460.00	CONST. DATE	07/12/1978
WELL DEPTH	115.00	HOLE DEPTH	115.00
WATER LEVEL	32.00	W.L. DATE	07/12/1978
SCREEN INT.	115.00 - 115.00		
DRILLER	JOHNSON		
WELL OWNER	PETERSON JOHN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-8	BROWN HARDPAN
2 :	8-16	BROWN SAND & GRAVEL
3 :	16-23	GRAY CLAY
4 :	23-54	GRAY SAND
5 :	54-96	BROWN SILTY SAND
6 :	96-107	BROWN SILT
7 :	107-115	BROWN WATER GRAVEL

SITEID	472645121582701	LOCAL NUM.	23N/06E-25R02
LATITUDE	47d26m45s	LONGITUDE	121d58m27s
ALTITUDE	1140.00	CONST. DATE	07/07/1983
WELL DEPTH	250.00	HOLE DEPTH	250.00
WATER LEVEL	38.00	W.L. DATE	07/07/1983
SCREEN INT.	210.00 - 245.00		
DRILLER	JOHNSON		
WELL OWNER	ALLMERDINGER HARRY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-55	GRAY HARDPAN
3 :	55-75	GRAY CLAY
4 :	75-85	GRAY HARDPAN
5 :	85-235	GRAY SOLID ROCK
6 :	235-250	GRAY WATER ROCK

SITEID	472645121582702	LOCAL NUM.	23N/06E-25R03
LATITUDE	47d26m45s	LONGITUDE	121d58m27s
ALTITUDE	1140.00	CONST. DATE	10/21/1983
WELL DEPTH	140.00	HOLE DEPTH	142.00
WATER LEVEL	107.00	W.L. DATE	10/21/1983
SCREEN INT.	129.00 - 140.00		
DRILLER	RICHARDSON		
WELL OWNER	BILLINGTON INVESTMENTS		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SANDY TOPSOIL
2 :	3-23	SAND
3 :	23-25	SAND AND SOME GRAVEL
4 :	25-85	PACKED SAND
5 :	85-110	SAND AND GRAVEL
6 :	110-116	GRAVEL & SEAPAGE
7 :	116-130	GRAVEL SAND & A LITTLE WATER
8 :	130-140	WATER GRAVEL & SAND
9 :	140-142	GRAVEL & CLAY

SITEID	472724122000301	LOCAL NUM.	23N/06E-26B02
LATITUDE	47d27m24s	LONGITUDE	122d00m03s
ALTITUDE	300.00	CONST. DATE	11/17/1987
WELL DEPTH	360.00	HOLE DEPTH	360.00
WATER LEVEL	-0.50	W.L. DATE	11/17/1987
SCREEN INT.	300.00 - 360.00		
DRILLER	NW PUMP		
WELL OWNER	KNACK FRED		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-19	BROWN SILTY SAND & GRAVEL
3 :	19-145	BLUE SILTY S W/LAYERS OF BLUE SILT
4 :	145-260	BLUE SILT
5 :	260-342	BLUE CLAY
6 :	342-360	BLUE CEMENTED S&G MAKING WATER

SITEID	472724122002301	LOCAL NUM.	23N/06E-26C02
LATITUDE	47d27m24s	LONGITUDE	122d00m23s
ALTITUDE	310.00	CONST. DATE	07/12/1978
WELL DEPTH	48.00	HOLE DEPTH	68.00
WATER LEVEL	9.00	W.L. DATE	07/12/1978
SCREEN INT.	48.00 - 48.00		
DRILLER	JOHNSON		
WELL OWNER	IVERSON CON		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	SURFACE
2 :	4-16	BROWN CLAY
3 :	16-21	GRAY GRAVEL
4 :	21-24	GRAY CLAY
5 :	24-45	BROWN SILT
6 :	45-48	BROWN SAND GRAVEL W WATER
7 :	48-62	BROWN SAND
8 :	62-68	WATER GRAVEL

SITEID	472724122002303	LOCAL NUM.	23N/06E-26C04
LATITUDE	47d27m24s	LONGITUDE	122d00m23s
ALTITUDE	340.00	CONST. DATE	07/25/1985
WELL DEPTH	152.00	HOLE DEPTH	152.00
WATER LEVEL	55.00	W.L. DATE	07/26/1985
SCREEN INT.	152.00 - 152.00		
DRILLER	JOHNSON		
WELL OWNER	REININGER RICHARD JR		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-12	BROWN SAND
3 :	12-50	BROWN SANDY CLAY
4 :	50-130	GRAY CLAY
5 :	130-145	GRAY SANDY SILT
6 :	145-152	GRAY WATER SAND AND GRAVEL

SITEID	472724122002304	LOCAL NUM.	23N/06E-26C05
LATITUDE	47d27m24s	LONGITUDE	122d00m23s
ALTITUDE	310.00	CONST. DATE	04/08/1983
WELL DEPTH	90.00	HOLE DEPTH	90.00
WATER LEVEL	12.00	W.L. DATE	04/08/1983
SCREEN INT.	85.00 - 90.00		
DRILLER	B J DRILL CO		
WELL OWNER	HIRSHBERG WILLIAM		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	BROWN SAND
2 :	12-15	BROWN CLAY
3 :	15-20	BROWN SAND CLAY
4 :	20-35	GRAY SILTY CLAY
5 :	35-52	GRAY SILTY CLAY WITH GRAVEL

6 :	52-58	GREEN SILTY CLAY WITH GRAVEL
7 :	58-74	GREEN CLAY W LAYERS OF BROWN SAND
8 :	74-80	COARSE SAND GRAVEL W WATER

SITEID	472724122004201	LOCAL NUM.	23N/06E-26D01
LATITUDE	47d27m24s	LONGITUDE	122d00m42s
ALTITUDE	320.00	CONST. DATE	02/17/1977
WELL DEPTH	120.00	HOLE DEPTH	120.00
WATER LEVEL	90.00	W.L. DATE	02/17/1977
SCREEN INT.	100.00 - 112.00		
DRILLER	NW PUMP		
WELL OWNER	BAER HARVEY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-19	BROWN CEMENTED SAND & GRAVEL
3 :	19-44	BROWN SAND AND GRAVEL
4 :	44-72	BROWN CEMENTED SAND AND GRAVEL
5 :	72-100	BLUE SILTY SAND AND GRAVEL
6 :	100-112	WATER BEARING SAND AND GRAVEL
7 :	112-120	BLUE GLACIAL TILL

SITEID	472711122004201	LOCAL NUM.	23N/06E-26E03
LATITUDE	47d27m11s	LONGITUDE	122d00m42s
ALTITUDE	460.00	CONST. DATE	05/05/1978
WELL DEPTH	96.00	HOLE DEPTH	101.00
WATER LEVEL	60.00	W.L. DATE	05/00/1978
SCREEN INT.	85.00 - 96.00		
DRILLER	B J DRILL CO		
WELL OWNER	CEITON INC		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	DARK BROWN SAND GRAVEL TOP SOIL
2 :	2-3	LARGE BOLDERS CEMENTED
3 :	3-6	BROWN CLAY SAND GRAVEL CEMENTED
4 :	6-18	LIGHT BROWN CLAY SAND GRAVEL SOFT
5 :	18-20	LIGHT BROWN CLAY BOULDERS
6 :	20-83	LT BRN CLAY GRAVEL SAND SEMI SOFT
7 :	83-101	LT BRN CLAY SAND W WATER

SITEID	472711122004202	LOCAL NUM.	23N/06E-26E04
LATITUDE	47d27m11s	LONGITUDE	122d00m42s
ALTITUDE	460.00	CONST. DATE	11/03/1977
WELL DEPTH	85.00	HOLE DEPTH	88.00
WATER LEVEL	35.00	W.L. DATE	11/03/1977
SCREEN INT.	80.00 - 85.00		
DRILLER	B J DRILL CO		
WELL OWNER	HAWKINS ROCKY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-7	DARK BROWN TOP SOIL
2 :	7-14	LIGHT GRAY CLAY SND & GRVL CEMENTED
3 :	14-18	LIGHT GRAY CLAY S & G CEMENTED
4 :	20-29	LIGHT GRAY CLAY S & G CEMENTED
5 :	29-32	LG ROCKS & BOULDERS CEMENTED
6 :	32-59	BROWN SAND & CLAY SOFT
7 :	59-77	RUSTY BROWN SAND & CLAY
8 :	77-80	BROWN SAND & CLAY SOFT H20
9 :	80-82	SMALL SAND AND GRAVEL H20
10 :	82-86	LARGE & SM SAND & GRAVEL W WATER

SITEID	472710122002201	LOCAL NUM.	23N/06E-26F02
LATITUDE	47d27m10s	LONGITUDE	122d00m22s
ALTITUDE	330.00	CONST. DATE	11/25/1979
WELL DEPTH	530.00	HOLE DEPTH	530.00
WATER LEVEL	212.00	W.L. DATE	00/00/0000
SCREEN INT.	528.00 - 528.00		
DRILLER	BERG PUMP		
WELL OWNER	CONNOR RAY		

SCREEN ?

Hey?! this is totally missing anything >80'

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-20	SAND & LOAM
2 :	20-30	SAND & LOAM
3 :	30-35	BROWN CLAY
4 :	35-52	SAND & LOAM
5 :	52-60	GRAVEL
6 :	60-65	FINE SAND
7 :	65-80	GRAVEL

SITEID	472710122002202	LOCAL NUM.	23N/06E-26F03
LATITUDE	47d27m10s	LONGITUDE	122d00m22s
ALTITUDE	330.00	CONST. DATE	09/30/1988
WELL DEPTH	81.00	HOLE DEPTH	81.00
WATER LEVEL	20.00	W.L. DATE	09/30/1988
DRILLER	MORRIS D CO		
WELL OWNER	OZIEL INC		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-40	BROWN SANDY CLAY
2 :	40-45	BROWN SAND
3 :	45-81	BROWN SAND AND WATER

SITEID	472712121594401	LOCAL NUM.	23N/06E-26H02
LATITUDE	47d27m12s	LONGITUDE	121d59m44s
ALTITUDE	380.00	CONST. DATE	05/14/1981
WELL DEPTH	180.00	HOLE DEPTH	240.00
WATER LEVEL	70.00	W.L. DATE	05/14/1981
SCREEN INT.	174.00 - 180.00		
DRILLER	JOHNSON		
WELL OWNER	MT VIEW WATER ASSOC		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-38	BROWN SANDY CLAY
3 :	38-140	BROWN SAND
4 :	140-163	GRAY CLAY

5 :	163-185	GRAY WATER SAND AND GRAVEL
6 :	185-229	GRAY HARDPAN
7 :	229-240	GRAY SILT

SITEID	472701122000201	LOCAL NUM.	23N/06E-26K01
LATITUDE	47d27m01s	LONGITUDE	122d00m02s
ALTITUDE	400.00	CONST. DATE	01/13/1988
WELL DEPTH	108.00	HOLE DEPTH	108.00
WATER LEVEL	75.00	W.L. DATE	01/12/1988
SCREEN INT.	103.00 - 108.00		
DRILLER	BURAAS D CO		
WELL OWNER	CHRISTIAN ROBERT		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-75	BROWN DRY SAND
2 :	75-108	BROWN MED TO COARSE WASHED SAND

SITEID	472701122000202	LOCAL NUM.	23N/06E-26K02
LATITUDE	47d27m01s	LONGITUDE	122d00m02s
ALTITUDE	400.00	CONST. DATE	12/14/1984
WELL DEPTH	66.00	HOLE DEPTH	66.00
WATER LEVEL	17.00	W.L. DATE	12/14/1984
SCREEN INT.	56.00 - 66.00		
DRILLER	BURAAS D CO		
WELL OWNER	HAWKINS GINGER		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-52	BROWN SANDY CLAY
2 :	52-66	BROWN WASHED MED TO COARSE SAND

SITEID	472724122002302	LOCAL NUM.	23N/06E-26L03
LATITUDE	47d27m24s	LONGITUDE	122d00m23s
ALTITUDE	310.00	CONST. DATE	09/07/1978
WELL DEPTH	105.00	HOLE DEPTH	108.00
WATER LEVEL	2.00	W.L. DATE	09/07/1978
SCREEN INT.	100.00 - 105.00		
DRILLER	B J DRILL CO		
WELL OWNER	CAMPBELL JACK		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-9	BROWN CLAY SILTY
2 :	9-77	BLUE CLAY
3 :	77-96	BLUE CLAY SILTY HEAVING WATER
4 :	96-102	BLUE CLAY SAND GRAVEL WATER
5 :	102-108	SAND GRAVEL WATER

SITEID	472646122000801	LOCAL NUM.	23N/06E-26Q01
LATITUDE	47d26m46s	LONGITUDE	122d00m08s
ALTITUDE	610.00	CONST. DATE	03/24/1977
WELL DEPTH	140.00	HOLE DEPTH	220.00
WATER LEVEL	85.00	W.L. DATE	03/24/1977

screen?

SCREEN INT.	56.00 - 105.00		
DRILLER	JOHNSON		
WELL OWNER	MILLER JEROME I		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	SURFACE
2 :	1-4	BROWN CLAY SHOCKED W ROCKS
3 :	4-15	BROWN CLAY
4 :	15-17	BROWN WATER GRAVEL
5 :	17-27	GRAY HARDPAN
6 :	27-48	BROWN HARDPAN
7 :	48-110	BROWN HARDPAN GRAVEL
8 :	110-129	BROWN HARDPAN
9 :	129-180	BLUE CLAY
10 :	180-195	BROWN SAND
11 :	195-220	BLUE CLAY

SITEID	472720122005701	LOCAL NUM.	23N/06E-27A01
LATITUDE	47d27m20s	LONGITUDE	122d00m57s
ALTITUDE	400.00	CONST. DATE	10/19/1983
WELL DEPTH	75.00	HOLE DEPTH	140.00
WATER LEVEL	48.00	W.L. DATE	10/19/1983
DRILLER	JOHNSON		
WELL OWNER	GREENING JACKIE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	SURFACE LOAM
2 :	4-23	BROWN CLAY
3 :	23-34	BROWN SAND
4 :	34-38	BROWN HARDPAN
5 :	38-60	GRAY HARDPAN - ROCK
6 :	60-76	BROWN SAND & GRAVEL - SEEPAGE
7 :	76-140	GRAY CLAY

SITEID	472720122011202	LOCAL NUM.	23N/06E-27A02
LATITUDE	47d27m20s	LONGITUDE	122d01m12s
ALTITUDE	400.00	CONST. DATE	10/24/1983
WELL DEPTH	117.00	HOLE DEPTH	117.00
WATER LEVEL	70.00	W.L. DATE	10/24/1983
DRILLER	JOHNSON		

screen?

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-30	BROWN CLAY
2 :	30-78	BROWN SAND
3 :	78-95	BROWN SAND - CLAY BINDER
4 :	95-110	BROWN FINE HEAVING SAND
5 :	110-117	BROWN WATER SAND & GRAVEL

SITEID	472729122014101	LOCAL NUM.	23N/06E-27C01
LATITUDE	47d27m29s	LONGITUDE	122d01m41s
ALTITUDE	440.00	CONST. DATE	10/26/1976
WELL DEPTH	93.00	HOLE DEPTH	93.00
WATER LEVEL	34.00	W.L. DATE	10/26/1976

SCREEN INT. 93.00 - 93.00
DRILLER JOHNSON
WELL OWNER JACKSON GARY

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	SURFACE
2 :	1-15	BROWN CLAY SHOCKED W GRAVEL
3 :	15-60	BLUE CLAY
4 :	60-90	BLUE SILT AND SAND
5 :	90-93	GRAY GRAVEL AND SAND

SITEID 472725122015901 LOCAL NUM. 23N/06E-27D01
LATITUDE 47d27m25s LONGITUDE 122d01m59s
ALTITUDE 540.00 CONST. DATE 02/21/1979
WELL DEPTH 52.00 HOLE DEPTH 52.00
WATER LEVEL 37.00 W.L. DATE 02/21/1979
SCREEN INT. 52.00 - 52.00
DRILLER JOHNSON
WELL OWNER CONNER JOHN

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-48	BROWN HARDPAN GRAVEL
2 :	48-52	BROWN WATER GRAVEL

SITEID 472711122020001 LOCAL NUM. 23N/06E-27E01
LATITUDE 47d27m11s LONGITUDE 122d02m00s
ALTITUDE 510.00 CONST. DATE 05/18/1979
WELL DEPTH 53.00 HOLE DEPTH 53.00
WATER LEVEL 39.00 W.L. DATE 05/18/1979
SCREEN INT. 53.00 - 53.00
DRILLER JOHNSON
WELL OWNER CONNER JOHN

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	BROWN HARDPAN
2 :	12-48	BROWN HARDPAN GRAVEL
3 :	48-53	BROWN GRAVEL WATER
4 :	53-	GRAY SILTY SAND

SITEID 472720122020301 LOCAL NUM. 23N/06E-27E04
LATITUDE 47d27m20s LONGITUDE 122d02m03s
ALTITUDE 430.00 CONST. DATE 02/20/1989
WELL DEPTH 65.00 HOLE DEPTH 65.00
WATER LEVEL 36.00 W.L. DATE 02/20/1979
DRILLER JOHNSON
WELL OWNER CONNOR JOHN

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-8	TOPSOIL
2 :	8-46	BROWN HARDPAN GRAVEL
3 :	46-50	BROWN WATER GRAVEL
4 :	50-65	GRAY SA & GRVL SHOCKED CL W WATER

SITEID 472713122014101 LOCAL NUM. 23N/06E-27F01
LATITUDE 47d27m13s LONGITUDE 122d01m41s
ALTITUDE 360.00 CONST. DATE 11/29/1979
WELL DEPTH 500.00 HOLE DEPTH 500.00
WATER LEVEL 0.00 W.L. DATE / /
SCREEN INT. 500.00 - 500.00
DRILLER JOHNSON
WELL OWNER PROCTOR BEVERLY

screen

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	GRAY HARDPAN
2 :	12-20	BROWN HARDPAN
3 :	20-45	GRAY SAND
4 :	45-78	BROWN SAND
5 :	78-125	GRAY SANDY CLAY
6 :	125-500	GRAY HEAVING SILT OCC. CLAY STREAKS

SITEID 472712122012101 LOCAL NUM. 23N/06E-27G01
LATITUDE 47d27m12s LONGITUDE 122d01m21s
ALTITUDE 410.00 CONST. DATE 10/14/1983
WELL DEPTH 86.00 HOLE DEPTH 86.00
WATER LEVEL 40.00 W.L. DATE 10/14/1983
SCREEN INT. 86.00 - 86.00
DRILLER JOHNSON
WELL OWNER SHAEFER TIM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-15	BROWN SANDY CLAY
2 :	15-22	BROWN HARDPAN
3 :	22-25	BROWN SAND & GRAVEL W WATER
4 :	25-49	BROWN SANDY CLAY
5 :	49-51	BROWN SAND & GRAVEL
6 :	51-60	GRAY CLAY
7 :	60-78	BROWN HARDPAN
8 :	78-86	BROWN SAND & GRAVEL W WATER

SITEID 472712122010201 LOCAL NUM. 23N/06E-27H02
LATITUDE 47d27m12s LONGITUDE 122d01m02s
ALTITUDE 270.00 CONST. DATE 08/04/1987
WELL DEPTH 218.00 HOLE DEPTH 230.00
WATER LEVEL 178.33 W.L. DATE 00/00/0000
SCREEN INT. 213.00 - 218.00
DRILLER B J DRILL CO
WELL OWNER SCHAEFER CHARLES

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	BROWN SANDY CLAY GRAVEL
2 :	5-12	BROWN CEMENTED SAND CLAY GRAVEL
3 :	12-17	BROWN CEMENTED S & C GRAVEL & BLDRS
4 :	17-35	BROWN CEMENTED SAND AND GRAVEL
5 :	35-70	BROWN CEMENTED S & G BOULDERS

6 :	70-80	BROWN SAND CLAY GRAVEL
7 :	80-85	BROWN CLAY SAND GRAVEL
8 :	85-90	BLUE CLAY SAND SOME SMALL GRAVEL
9 :	90-120	BROWN S & G CLAY W/CEMENTED LAYERS
10 :	120-135	BROWN CEMENTED SAND & GRAVEL
11 :	135-142	BLUE CLAY SILT & SAND SM SHARP GRVL
12 :	142-145	BLUE CLAY
13 :	145-170	BRN CEMENTED S & G W/LOSE LAYERS
14 :	170-187	BRN S&G LOSE W/HARDLAYERS TRACE H20
15 :	187-190	BLUISH CLAY SMALL GRVL COMPACT
16 :	190-215	BLUE GRAY CL SILT SOME SA TRCE WTR
17 :	215-219	DIRTY GRAY BRN S & G WTR THIN L CL
18 :	219-230	GRAY COMPACT CLAY SILT SOME SAND

SITEID	472712122010202	LOCAL NUM.	23N/06E-27H03
LATITUDE	47d27m12s	LONGITUDE	122d01m02s
ALTITUDE	270.00	CONST. DATE	09/22/1988
WELL DEPTH	61.00	HOLE DEPTH	61.00
WATER LEVEL	43.60	W.L. DATE	09/15/1988
SCREEN INT.	56.00 - 61.00		
DRILLER	B J DRILL CO		
WELL OWNER	STEWARD-O'MEARA, GAIL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	DARK BROWN SAND CLAY
2 :	3-8	BROWN SAND GRAVEL 1/2 SIZE
3 :	8-12	BRN CLAY GRAVEL SAND HARD STREAKS
4 :	12-18	BROWN STREAKS SAND GRAVEL CLAY
5 :	18-20	GRAY CLAY SAND & GRAVEL SEMI HARD
6 :	20-40	BROWN CLAY GRAVEL CEMENTED
7 :	40-53	BROWN CLAY GRAVEL SAND STREAKS
8 :	53-58	GRAVEL SAND (WATER)
9 :	58-61	GRAVEL SAND (WATER)

SITEID	472658122015901	LOCAL NUM.	23N/06E-27M02
LATITUDE	47d26m58s	LONGITUDE	122d01m59s
ALTITUDE	430.00	CONST. DATE	01/24/1974
WELL DEPTH	61.00	HOLE DEPTH	61.00
WATER LEVEL	35.00	W.L. DATE	00/00/0000
SCREEN INT.	51.00 - 61.00		
DRILLER	JOHNSON		
WELL OWNER	SLOAN BILL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-38	SANDY BROWN CLAY
3 :	38-51	BLUE GRAY CLAY SHOCKED W/GRAVEL
4 :	51-54	WATER SAND
5 :	54-61	HARDPAN

SITEID	472725122023801	LOCAL NUM.	23N/06E-28B03
LATITUDE	47d27m25s	LONGITUDE	122d02m38s
ALTITUDE	580.00	CONST. DATE	05/11/1966
WELL DEPTH	347.00	HOLE DEPTH	347.00
WATER LEVEL	314.00	W.L. DATE	00/00/1966

1 screen

SCREEN INT.	337.00 - 347.00
DRILLER	H O MEYER
WELL OWNER	KING COUNTY

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-273	HARDPAN TILL
2 :	273-295	DIRTY SAND & GRAVEL
3 :	295-315	DIRTY SAND AND SILT
4 :	315-321	HARDPAN-GRAVEL GRAY
5 :	321-337	SANDY GRAVEL-WATER BEARING
6 :	337-347	SAND & GRAVEL ORGANIC SILT

SITEID	472605122021801	LOCAL NUM.	23N/06E-33J04
LATITUDE	47d26m05s	LONGITUDE	122d02m18s
ALTITUDE	510.00	CONST. DATE	07/05/1978
WELL DEPTH	164.00	HOLE DEPTH	164.00
WATER LEVEL	135.00	W.L. DATE	07/05/1978
SCREEN INT.	159.00 - 164.00		
DRILLER	RICHARDSON		
WELL OWNER	BARKDOLL JONATHEN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL & GRAVEL
2 :	2-38	HARDPAN
3 :	38-42	SEAPAGE, CLAY AND GRAVEL
4 :	42-56	CLAY HARDPAN AND BOULDERS
5 :	56-72	CLAY AND GRAVEL
6 :	72-81	GRAY HARDPAN
7 :	81-95	BROWN CLAY AND GRAVEL
8 :	95-140	SAND
9 :	140-143	A LITTLE WATER AND FINE SAND
10 :	143-157	SANDY CLAY
11 :	157-164	WATER, FINE SAND AND GRAVEL

SITEID	472605122021802	LOCAL NUM.	23N/06E-33J05
LATITUDE	47d26m05s	LONGITUDE	122d02m18s
ALTITUDE	510.00	CONST. DATE	10/17/1977
WELL DEPTH	160.00	HOLE DEPTH	160.00
WATER LEVEL	130.00	W.L. DATE	10/18/1977
DRILLER	NW PUMP		
WELL OWNER	BARKDOLL, JOHN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-8	BROWN TILL
3 :	8-36	BLUE TILL & COBBLES
4 :	36-43	BROWN TILL
5 :	43-50	BLUE TILL
6 :	50-97	BROWN TILL
7 :	97-137	BROWN SAND
8 :	137-155	BLUE SILTY SAND
9 :	155-160	WATER BEARING SAND & GRAVEL

SITEID	472631122010101	LOCAL NUM.	23N/06E-34A01
LATITUDE	47d26m31s	LONGITUDE	122d01m01s
ALTITUDE	620.00	CONST. DATE	06/03/1983
WELL DEPTH	260.00	HOLE DEPTH	300.00
WATER LEVEL	78.00	W.L. DATE	06/03/1983
SCREEN INT.	92.00 - 102.00		
DRILLER	RICHARDSON		
WELL OWNER	BAUER RANDY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-18	SURFACE SEAL
2 :	18-34	HARDPAN
3 :	34-41	DRY SAND AND GRAVEL
4 :	41-47	HARDPAN
5 :	47-49	BOULDER (HAD TO SHOOT)
6 :	49-52	LOOSE HARDPAN
7 :	52-81	FRACTURED ROCK
8 :	81-101	SILTY SAND AND GRAVEL
9 :	101-131	SILTY BROWN HEAVING SAND
10 :	131-153	FINE GRAY HEAVING SAND
11 :	153-178	SANDY GRAY CLAY
12 :	178-231	FINE GRAY SAND LAYERS OF GRAY CLAY
13 :	231-300	DRY GRAY CLAY

SITEID	472631122000301	LOCAL NUM.	23N/06E-35B01
LATITUDE	47d26m31s	LONGITUDE	122d00m03s
ALTITUDE	670.00	CONST. DATE	05/25/1988
WELL DEPTH	120.00	HOLE DEPTH	120.00
WATER LEVEL	80.00	W.L. DATE	05/25/1988
SCREEN INT.	85.00 - 90.00		
DRILLER	NW PUMP		
WELL OWNER	BROWN DAVE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	1-38	BROWN CEMENTED SAND & GRAVEL
2 :	38-53	BLAACK GLACIAL TILL
3 :	53-91	BR CEMENTED SAND AND GRAVEL
4 :	91-120	BR SAND AND GRAVEL

SITEID	472631122000302	LOCAL NUM.	23N/06E-35B03
LATITUDE	47d26m31s	LONGITUDE	122d00m03s
ALTITUDE	660.00	CONST. DATE	03/29/1987
WELL DEPTH	145.00	HOLE DEPTH	145.00
WATER LEVEL	103.00	W.L. DATE	03/29/1987
DRILLER	MORRIS D CO		
WELL OWNER	THOMPSON DAVID		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	TOPSOIL
2 :	4-40	BROWN TILL & ROCKS
3 :	40-105	BROWN SANDY TILL-SMALL AMT H20
4 :	105-145	FINE BROWN SAND AND WATER

SITEID	472631122000303	LOCAL NUM.	23N/06E-35B04
LATITUDE	47d26m31s	LONGITUDE	122d00m03s
ALTITUDE	660.00	CONST. DATE	02/20/1987
WELL DEPTH	440.00	HOLE DEPTH	440.00
WATER LEVEL	175.00	W.L. DATE	02/20/1987
SCREEN INT.	422.00 - 440.00		
DRILLER	EVERGREEN		
WELL OWNER	MILLER, LEONARD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-56	BROWN GLACIAL TILL
2 :	56-78	GRAY GLACIAL TILL
3 :	78-110	BROWN GLACIAL TILL
4 :	110-123	BROWN CLAY
5 :	123-128	GRAY SANDY CLAY
6 :	128-133	BROWN CLAY
7 :	133-145	GRAY CLAY
8 :	145-147	FINE SAND AND GRAVEL
9 :	147-164	GRAY CLAY
10 :	164-167	FINE SAND
11 :	167-192	BROWN TILL
12 :	192-230	BROWN SANDY CLAY
13 :	230-260	BROWN FINE SANDY CLAY
14 :	260-295	GRAY FINE SANDY CLAY
15 :	295-310	GRAY CLAY
16 :	310-350	GRAY SANDY CLAY
17 :	350-360	GRAY CLAY
18 :	360-377	GRAY BRITTLE CLAY
19 :	377-400	GRAY FINE SANDY CLAY
20 :	400-403	GRAY BRITTLE CLAY
21 :	403-420	GRAY CLAY
22 :	420-440	GRAY CLAY LENSES OF SAND

SITEID	472631122000304	LOCAL NUM.	23N/06E-35B05
LATITUDE	47d26m31s	LONGITUDE	122d00m03s
ALTITUDE	660.00	CONST. DATE	01/00/1986
WELL DEPTH	321.00	HOLE DEPTH	347.00
WATER LEVEL	0.00	W.L. DATE	/ /
DRILLER	EVERGREEN		
WELL OWNER	MILLER, LEONARD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-59	BROWN COMPACT TILL
3 :	59-74	GRAY TILL
4 :	74-124	BROWN TILL
5 :	124-126	STRK FINE SILTY SAND
6 :	126-155	GRAY TILL
7 :	155-175	BROWN TILL
8 :	175-240	BROWN SANDY CLAY
9 :	240-255	BROWN SANDY CLAY FINER
10 :	255-280	GRAY SANDY CLAY
11 :	280-347	GRAY SANDY SILTY

SITEID	472636122000101	LOCAL NUM.	23N/06E-35B06
LATITUDE	47d26m36s	LONGITUDE	122d00m01s
ALTITUDE	680.00	CONST. DATE	07/21/1983

WELL DEPTH	320.00	HOLE DEPTH	360.00
WATER LEVEL	0.00	W.L. DATE	/ /
SCREEN INT.	18.00 - 75.00		
DRILLER	JOHNSON		
WELL OWNER	BROWN DAVE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-16	BROWN HARDPAN
3 :	16-25	GRAY GRAVEL WATER SEEPAGE
4 :	25-60	GRAY HARDPAN
5 :	60-75	GRAY SAND GRAVEL SEEPAGE
6 :	75-80	BROWN SILTY SAND
7 :	80-200	BROWN HARDPAN
8 :	200-230	BROWN SAND
9 :	230-280	GRAY SAND
10 :	280-360	GRAY SILT

SITEID	472632122002101	LOCAL NUM.	23N/06E-35C02
LATITUDE	47d26m32s	LONGITUDE	122d00m21s
ALTITUDE	700.00	CONST. DATE	07/10/1985
WELL DEPTH	110.00	HOLE DEPTH	110.00
WATER LEVEL	83.00	W.L. DATE	07/11/1985
DRILLER	RICHARDSON		
WELL OWNER	FOX JOE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL & GRAVEL
2 :	2-7	GRAVEL & BOULDERS
3 :	7-42	HARDPAN AND BOULDERS
4 :	42-66	HARDPAN
5 :	66-71	DIRTY SAND
6 :	71-86	PACKED SAND GRAVEL
7 :	86-98	GRAVEL AND CLAY
8 :	98-110	WATER, GRAVEL AND CLAY

SITEID	472619122000301	LOCAL NUM.	23N/06E-35G03
LATITUDE	47d26m19s	LONGITUDE	122d00m03s
ALTITUDE	670.00	CONST. DATE	09/03/1986
WELL DEPTH	246.00	HOLE DEPTH	246.00
WATER LEVEL	235.00	W.L. DATE	09/10/1986
DRILLER	JOHNSON		
WELL OWNER	LEROUX, SCOTT		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-6	SURFACE
2 :	6-20	BROWN SAND GRAVEL
3 :	20-72	GRAY HARDPAN
4 :	72-76	BROWN SAND
5 :	76-78	BROWN SAND AND GRAVEL
6 :	78-110	GRAY CLAY
7 :	110-140	BROWN HARDPAN
8 :	140-158	GRAY HARDPAN
9 :	158-238	BROWN SAND AND GRAVEL
10 :	238-246	BROWN WATER SAND AND GRAVEL

SITEID	472552121594501	LOCAL NUM.	23N/06E-35R05
LATITUDE	47d25m52s	LONGITUDE	121d59m45s
ALTITUDE	650.00	CONST. DATE	03/24/1987
WELL DEPTH	219.00	HOLE DEPTH	219.00
WATER LEVEL	175.00	W.L. DATE	03/24/1987
SCREEN INT.	210.00 - 219.00		
DRILLER	JOHNSON		
WELL OWNER	WARNER, LANCE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	BROWN TOPSOIL
2 :	3-22	GRAY HARDPAN
3 :	22-37	BROWN HARDPAN
4 :	37-180	GRAY HARDPAN
5 :	180-185	BROWN GRAVEL
6 :	185-200	GRAY CLAY
7 :	200-212	GRAY SILTY SAND-WATER
8 :	212-219	GRAY SAND-WATER
9 :	219-	BROWN HARDPACKED GRAVEL

SITEID	472619121592401	LOCAL NUM.	23N/06E-36E01
LATITUDE	47d26m19s	LONGITUDE	121d59m24s
ALTITUDE	420.00	CONST. DATE	09/09/1980
WELL DEPTH	94.00	HOLE DEPTH	94.00
WATER LEVEL	70.00	W.L. DATE	09/09/1980
DRILLER	JOHNSON		
WELL OWNER	ROBINSON DANIEL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-47	BROWN HARDPAN ROCKS
3 :	47-63	GRY HARDPAN
4 :	63-83	GRAY CLAY
5 :	83-94	BROWN WATER SAND AND GRAVEL

SITEID	472605121590601	LOCAL NUM.	23N/06E-36L02
LATITUDE	47d26m05s	LONGITUDE	121d59m06s
ALTITUDE	450.00	CONST. DATE	05/26/1979
WELL DEPTH	165.00	HOLE DEPTH	185.00
WATER LEVEL	35.00	W.L. DATE	00/00/0000
SCREEN INT.	160.00 - 165.00		
DRILLER	MUELLER		
WELL OWNER	STOWE, ROGER		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-25	SURFACE SOIL
2 :	25-160	SILTY SAND
3 :	160-165	GRAVEL
4 :	165-185	SILT

24/6
24/7

SITEID 472552121592701 LOCAL NUM. 23N/06E-36N02
LATITUDE 47d25m52s LONGITUDE 121d59m27s
ALTITUDE 500.00 CONST. DATE 05/22/1979
WELL DEPTH 89.00 HOLE DEPTH 89.00
WATER LEVEL 22.00 W.L. DATE 05/22/1979
DRILLER NW PUMP
WELL OWNER OSTER, DENNIS

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-11	BROWN SAND
2 :	11-42	BROWN SILT
3 :	42-63	BLUE CLAY
4 :	63-85	BLUE SILTY SAND W OCC GRAVEL
5 :	85-89	BLUE SAND & GRAVEL W WATER

SITEID 472552121584701 LOCAL NUM. 23N/06E-36Q01
LATITUDE 47d25m52s LONGITUDE 121d58m47s
ALTITUDE 510.00 CONST. DATE 10/14/1977
WELL DEPTH 50.00 HOLE DEPTH 51.00
WATER LEVEL 24.00 W.L. DATE 10/04/1977
SCREEN INT. 46.00 - 50.00
DRILLER EVERGREEN
WELL OWNER PETERSON, CARL

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	OVER BURDEN
2 :	3-21	BROWN SANDY LOAM
3 :	21-24	GRAY HARDPAN
4 :	24-27	CHOCOLATE BROWN LOAM
5 :	27-40	GRAY CLAY W GRAVEL
6 :	40-44	DIRTY COARSE SAND
7 :	44-50	COARSE SAND
8 :	50-52	DIRTY TIGHT SAND

SITEID 472552121582801 LOCAL NUM. 23N/06E-36R04
LATITUDE 47d25m52s LONGITUDE 121d58m28s
ALTITUDE 520.00 CONST. DATE 11/10/1986
WELL DEPTH 70.00 HOLE DEPTH 75.00
WATER LEVEL 0.00 W.L. DATE / /
SCREEN INT. 35.00 - 45.00
DRILLER B J DRILL CO
WELL OWNER ABERNATHY, HAROLD

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	DARK TOPSOIL
2 :	2-20	BROWN CLAY SOFT
3 :	20-35	GRAY CLAY COLORED SILTY SAND
4 :	35-44	GRAY SILTY SAND FINE TO MED H20
5 :	44-54	GRAY SILTY SAND H20
6 :	54-75	GRAY CLAY NO WATER

SITEID 472722121574601 LOCAL NUM. 23N/07E-30C02
LATITUDE 47d27m22s LONGITUDE 121d57m46s
CONST. DATE 04/16/1979
HOLE DEPTH 200.00
W.L. DATE 05/07/1979

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-14	OVERBURDEN & BIG ROCKS
2 :	14-18	ROCKS SAND & CLAY
3 :	18-65	SILT AND CLAY
4 :	65-85	SILT, CLAY AND GRAVEL
5 :	85-100	HEAVING SAND AND GRAVEL
6 :	100-120	SAND SILT AND CLAY
7 :	120-140	HEAVING SAND
8 :	140-150	HEAVING SAND AND CLAY
9 :	150-173	HEAVY SAND AND CLAY
10 :	175-180	GRAY CLAY
11 :	180-195	CLAY AND BIG ROCKS
12 :	195-200	ROCK

SITEID 473418121592101 LOCAL NUM. 24N/06E-13D01
LATITUDE 47d34m18s LONGITUDE 121d59m21s
ALTITUDE 460.00 CONST. DATE 05/04/1984
WELL DEPTH 77.00 HOLE DEPTH 78.00
WATER LEVEL 9.00 W.L. DATE 05/15/1984
SCREEN INT. 72.00 - 77.00
DRILLER B J DRILL CO
WELL OWNER MAESNER, BILL

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-28	BROWN SAND GRAVEL ROCKS CLAY
2 :	28-31	BROWN SAND GRAVEL ROCKS TRACE WATER
3 :	31-36	GRAY SAND GRAVEL ROCKS CLAY H20
4 :	36-38	GRAY CLAY
5 :	38-40	GRAY CLAY
6 :	40-49	GRAY SAND SILT CLAY WATER
7 :	49-51	GRAY CLAY
8 :	51-61	GRAY SILT SAND TRACE CLAY
9 :	61-64	BROWN AND GRAY CLAY
10 :	64-66	COURSE SAND GRAVEL ROCKS (WATER)
11 :	66-72	BROWN AND GRAY CLAY
12 :	72-78	COURSE SAND GRAVEL ROCK HEAVING H20

SITEID 473406121592101 LOCAL NUM. 24N/06E-13E01
LATITUDE 47d34m06s LONGITUDE 121d59m21s
ALTITUDE 490.00 CONST. DATE 03/06/1974
WELL DEPTH 73.00 HOLE DEPTH 73.00
WATER LEVEL 47.00 W.L. DATE 03/06/1974
DRILLER MEYER
WELL OWNER MILLER, JACK

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL ROOTS
2 :	2-8	HARDPAN BROWN
3 :	8-10	LARGE BOULDERS

4 :	13-46	BROWN TILL
5 :	46-	BROWN TILL AND SAND
6 :	46-64	BROWN SAND AND GRAVEL
7 :	64-72	BROWN SAND
8 :	72-73	BLUE CLAY

SITEID	473406121592102	LOCAL NUM.	24N/06E-13E02
LATITUDE	47d34m06s	LONGITUDE	121d59m21s
ALTITUDE	490.00	CONST. DATE	11/20/1973
WELL DEPTH	155.00	HOLE DEPTH	158.00
WATER LEVEL	143.00	W.L. DATE	11/20/1973
SCREEN INT.	150.00 - 155.00		
DRILLER	B J DRILL CO		
WELL OWNER	LIVINGSTONE DUNCAN C		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-14	BROWN SANDY CLAY LOOSE
2 :	14-22	BROWN GRAVEL SAND CEMENTED
3 :	22-28	CEMENTED GRAVEL BOULDERS
4 :	28-91	LIGHT BROWN GRAVEL LOOSE
5 :	91-98	LIGHT BROWN W/RED CLAY LOOSE
6 :	98-103	LIGHT BROWN GRAVEL SAND CLAY LARGE
7 :	103-120	DARK GRAY SAND GRAVEL CLAY TRACEH20
8 :	120-153	LIGHT BROWN SAND GRAVEL TRACE H20
9 :	153-158	GRAVEL SAND (WATER)

SITEID	473353121592201	LOCAL NUM.	24N/06E-13M01
LATITUDE	47d33m53s	LONGITUDE	121d59m22s
ALTITUDE	440.00	CONST. DATE	11/20/1974
WELL DEPTH	70.00	HOLE DEPTH	70.00
WATER LEVEL	45.00	W.L. DATE	11/20/1974
SCREEN INT.	60.00 - 70.00		
DRILLER	JOHNSON		
WELL OWNER	SEATE RAY H		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-21	BROWN HARDPAN
3 :	21-36	GRAY HARDPAN GRAVEL
4 :	36-56	BROWN HARDPAN
5 :	56-69	HARDPAN GRAVEL
6 :	69-70	BLUE CLAY
7 :	-	

SITEID	473335121592801	LOCAL NUM.	24N/06E-13N01
LATITUDE	47d33m35s	LONGITUDE	121d59m28s
ALTITUDE	520.00	CONST. DATE	02/19/1987
WELL DEPTH	98.00	HOLE DEPTH	100.00
WATER LEVEL	20.00	W.L. DATE	02/23/1987
SCREEN INT.	40.00 - 95.00		
DRILLER	JOHNSON		
WELL OWNER	GREENBURG AL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-10	BROWN SAND & GRAVEL
3 :	10-14	SOLID ROCK GRAY
4 :	14-18	COAL
5 :	18-100	GRAY SOLID ROCK (WATER AT 89')

SITEID	473343121592701	LOCAL NUM.	24N/06E-13N02
LATITUDE	47d33m43s	LONGITUDE	121d59m27s
ALTITUDE	440.00	CONST. DATE	09/27/1987
WELL DEPTH	90.00	HOLE DEPTH	90.00
WATER LEVEL	30.00	W.L. DATE	09/27/1987
DRILLER	B J DRILL CO		
WELL OWNER	FOOTE STEVE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-6	REDDISH BROWN CLAY & ROCKS
2 :	6-40	DARK BROWN SOFT PEAT LIKE SHALE
3 :	40-65	DARK BROWN SHALE AND COAL
4 :	65-73	SAME MATERIAL LIGHTER COLOR
5 :	73-80	WHITE SAND STONE WATER
6 :	80-90	WHITE SANDSTONE

SITEID	473408121594801	LOCAL NUM.	24N/06E-14H01
LATITUDE	4d73m40s	LONGITUDE	121d59m48s
ALTITUDE	465.00	CONST. DATE	09/07/1967
WELL DEPTH	116.00	HOLE DEPTH	117.00
WATER LEVEL	92.00	W.L. DATE	09/02/1967
SCREEN INT.	111.00 - 116.00		
DRILLER	H.O.MEYER DR		
WELL OWNER	POTTER FRANKLIN C		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	BROWN SAND & GRAVEL
2 :	5-30	BROWN SANDY HARDPAN
3 :	30-38	BROWN GRAVELLY HARDPAN
4 :	38-61	BROWN GRAVELLY HARDPAN
5 :	61-99	BROWN HARDPAN
6 :	99-103	CHUNKS BROWN SILT W WATER
7 :	103-116	SAND AND SOME GRAVEL W/BEARING
8 :	116-117	GRAY, CLAY AND HARDPAN

SITEID	473404121593901	LOCAL NUM.	24N/06E-14H02
LATITUDE	47d34m04s	LONGITUDE	121d59m39s
ALTITUDE	500.00	CONST. DATE	12/05/1969
WELL DEPTH	124.00	HOLE DEPTH	124.00
WATER LEVEL	0.00	W.L. DATE	/ /
SCREEN INT.	119.00 - 124.00		
DRILLER	H O MEYER		
WELL OWNER	LUNDINE/LUNDINE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-11	GRAVEL LOOSE SMALL SAND

2 :	11-60	HARDPAN
3 :	60-70	HARDPAN YELLOW
4 :	70-88	SANDY CLAY
5 :	88-96	HARDPAN
6 :	96-101	DRY SAND
7 :	101-107	TIGHT GRAVEL
8 :	107-110	LOOSE GRAVEL W TRACE WATER
9 :	110-124	SAND COARSE & GRAVEL W WATER

SITEID	473404121593902	LOCAL NUM.	24N/06E-14H03
LATITUDE	47d34m04s	LONGITUDE	121d59m39s
ALTITUDE	500.00	CONST. DATE	02/15/1977
WELL DEPTH	154.00	HOLE DEPTH	154.00
WATER LEVEL	95.00	W.L. DATE	00/00/0000
SCREEN INT.	150.00 - 154.00		
DRILLER	H O MEYER		
WELL OWNER	AHO JEANNE W		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	BROWN SAND & TOPSOIL
2 :	4-12	BOULDER & COARSE GRAVEL
3 :	12-23	BROWN TILL
4 :	23-48	LIGHT BROWN TILL
5 :	48-53	LARGE GRAVEL & TILL BOULDERS
6 :	53-55	BROWN TILL
7 :	55-83	BROWN SAND AND GRAVEL SOME H20@83
8 :	83-109	BROWN SAND AND GRAVEL AND TILL
9 :	109-135	GRAY CLAY AND SILT
10 :	135-150	SAND AND HARD CLAY LAYERS SOME H20
11 :	150-154	COURSE GRAVEL & SAND W WATER

SITEID	473352122000001	LOCAL NUM.	24N/06E-14K01
LATITUDE	47d33m52s	LONGITUDE	122d00m00s
ALTITUDE	450.00	CONST. DATE	03/31/1984
WELL DEPTH	94.00	HOLE DEPTH	94.00
WATER LEVEL	61.00	W.L. DATE	03/31/1984
SCREEN INT.	84.00 - 94.00		
DRILLER	STATEWIDE		
WELL OWNER	CALDWELL, LAUREITA		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-14	BROWN SANDY GRAVEL
2 :	14-59	BROWN TILL
3 :	59-78	BROWN SILTY SAND
4 :	78-94	BROWN MED COURSE SAND(OCC GRAVEL)

SITEID	473305122003301	LOCAL NUM.	24N/06E-14N01
LATITUDE	4d73m30s	LONGITUDE	122d00m33s
ALTITUDE	434.00	CONST. DATE	12/13/1971
WELL DEPTH	198.00	HOLE DEPTH	0.00
WATER LEVEL	110.00	W.L. DATE	12/13/1971
DRILLER	H O MEYER		
WELL OWNER	TURGEON		

INT

NO.	INTVL(FT)	DESCRIPTION
1 :	0-20	SAND & GRAVEL & LARGE BOULDERS
2 :	20-28	LARGE BOULDERS SAND & GRAVEL
3 :	28-60	GRAY CLAY AND SAND
4 :	60-126	GRAY CLAY AND SILT
5 :	126-128	PEAT MOSS
6 :	128-130	GRAY CLAY AND SILT
7 :	130-150	GRAY HARDPAN
8 :	150-165	GRAY HARDPAN
9 :	165-170	GRAY HARDPAN AND L OF MUD AND SAND
10 :	170-175	SAND LENSES
11 :	175-190	PEAT MUD AND SAND
12 :	190-210	SAND STONE
13 :	210-225	SANDSTONE GRAY
14 :	225-233	BROWN SLUDGE AND BLK
15 :	233-245	BROWN STICKY SANDSTONE
16 :	245-258	BROWN STICKY SANDSTONE
17 :	258-300	GRAY SANDSTONE
18 :	300-396	GRAY SANDSTONE
19 :	396-420	GRAY SANDSTONE

SITEID	473340122003801	LOCAL NUM.	24N/06E-14N02
LATITUDE	47d33m40s	LONGITUDE	122d00m38s
ALTITUDE	450.00	CONST. DATE	01/24/1976
WELL DEPTH	146.00	HOLE DEPTH	146.00
WATER LEVEL	117.00	W.L. DATE	00/00/0000
SCREEN INT.	146.00 - 146.00		
DRILLER	H O MEYER		
WELL OWNER	LEAF GEORGE/PAT		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SANDY LOAM
2 :	2-25	BROWN SAND & GRAVEL
3 :	25-29	BLUE CLAY
4 :	29-40	BROWN DRY SAND AND GRAVEL
5 :	40-45	BROWN DRY SAND AND GRAVEL
6 :	55-59	BROWN SILTY SAND AND GRAVEL
7 :	59-81	GRAY SILTY SAND WITH CLAY
8 :	81-85	DRY SAND AND GRAVEL
9 :	85-98	BRN SAND AND GRAVEL
10 :	98-114	BROWN GRAY SILTY SAND & CLAY
11 :	114-134	GRAY SAND AND CLAY
12 :	134-142	GRAY SILTY CLAY AND SAND
13 :	142-146	GRAVEL AND WATER

SITEID	473340122002601	LOCAL NUM.	24N/06E-14P01
LATITUDE	4d73m34s	LONGITUDE	122d00m26s
ALTITUDE	434.00	CONST. DATE	/ /
WELL DEPTH	118.00	HOLE DEPTH	0.00
WATER LEVEL	70.00	W.L. DATE	/ /
DRILLER	H O MEYER DR		
WELL OWNER	MILLS		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE SOIL
2 :	2-30	HARDPAN & GRAVEL

3 :	30-35	SOME BROWN CLAY
4 :	35-42	HARDPAN & SAND
5 :	42-50	SOME GRAVEL IN HARDPAN
6 :	50-70	SANDY LOAM
7 :	70-84	HARDPAN
8 :	84-92	SAND AND SOME GRAVEL
9 :	92-112	SAND AND GRAVEL TRACE OF WATER
10 :	112-118	ALL WATER BEARING SAND & GRAVEL

SITEID	473339121594001	LOCAL NUM.	24N/06E-14R01
LATITUDE	47d33m39s	LONGITUDE	121d59m40s
ALTITUDE	420.00	CONST. DATE	08/27/1986
WELL DEPTH	63.00	HOLE DEPTH	63.00
WATER LEVEL	9.00	W.L. DATE	05/28/1986
SCREEN INT.	58.00 - 63.00		
DRILLER	STOICAN		
WELL OWNER	NELSON NEIL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	BROWN SILTY TOPSOIL
2 :	4-29	BROWN CLAY & GRAVEL
3 :	29-32	GRAY SAND WATER 2GPM
4 :	32-56	GRAY BROWN CLAY
5 :	56-63	GRAY SAND AND GRAVEL WATER 30GPM

SITEID	473418122011501	LOCAL NUM.	24N/06E-15B03
LATITUDE	47d34m18s	LONGITUDE	122d01m15s
ALTITUDE	410.00	CONST. DATE	04/12/1981
WELL DEPTH	100.00	HOLE DEPTH	100.00
WATER LEVEL	8.00	W.L. DATE	04/22/1981
SCREEN INT.	60.00 - 75.00		
DRILLER	B J DRILL CO		
WELL OWNER	SANTA MECK		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	BROWN TOPSOIL
2 :	1-14	BROWN CLAY GR SA SE SOFT W WATER
3 :	14-34	BROWN SAND GRAVEL CLAY CEMENTED
4 :	34-44	GRAY CLAY SAND GRAVEL CEMENTED
5 :	44-52	STREAKS CLAY CEMENTED
6 :	52-60	COURSE GRAVEL SAND WATER
7 :	60-62	GRAY CLAY WITH GRAVEL
8 :	62-66	SAND GRAVEL H20 SE CEMENTED
9 :	66-78	SAND GRAVEL H20 LOOSE
10 :	78-79	BROWNISH GRAY SAND CLAY TRACE H20
11 :	79-82	GRAY SILT
12 :	82-100	GRAY SILT LAYERS CLAY STREAKS

SITEID	473312122044301	LOCAL NUM.	24N/06E-19H01
LATITUDE	4d73m31s	LONGITUDE	122d04m43s
ALTITUDE	218.00	CONST. DATE	05/11/1973
WELL DEPTH	300.00	HOLE DEPTH	300.00
WATER LEVEL	173.00	W.L. DATE	05/08/1973
DRILLER	B&J DRILLING		
WELL OWNER	RITTLER PETER		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-20	YELLOW CLAY SAND
2 :	20-28	REDISH BROWN CLAY SAND
3 :	28-50	GRAY CLAY
4 :	50-62	BLUE GRAY CLAY (STINKS)
5 :	62-70	GRAY CLAY W/BROWN CLAY STREAKS
6 :	70-80	DARK BROWN CLAY SAND (WATER)
7 :	80-85	LIGHT BROWN DRY SAND
8 :	85-123	LIGHT BROWN LAYERS OF CLAY SAND
9 :	123-139	BLUE GRAY CLAY SAND (TRACE WATER)
10 :	139-200	GRAY LAYER CLAY (TRACES OF WATER)
11 :	200-216	GRAY HEAVING SAND CLAY (WATER)
12 :	216-261	GRAY LAYER CLAY W/STREAKS OF SAND
13 :	261-287	GRAY CLAY SAND (HEAVING)
14 :	287-300	GRAY LAYER CLAY SAND STREAKS (WATER

SITEID	473325122022101	LOCAL NUM.	24N/06E-21A01
LATITUDE	4d73m32s	LONGITUDE	122d02m21s
ALTITUDE	310.00	CONST. DATE	12/06/1973
WELL DEPTH	120.00	HOLE DEPTH	0.00
WATER LEVEL	33.00	W.L. DATE	12/06/1973
DRILLER	B & J DRILLI		
WELL OWNER	MACDONALD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-8	DARK BROWN MUCKIE MUD
2 :	8-33	BROWN SAND CLAY STONE OR SHELL
3 :	33-34	WATER
4 :	34-120	GRAY SAND STONE (WATER)

SITEID	473326122025201	LOCAL NUM.	24N/06E-21C01
LATITUDE	47d33m26s	LONGITUDE	122d02m52s
ALTITUDE	50.00	CONST. DATE	05/02/1977
WELL DEPTH	200.00	HOLE DEPTH	200.00
WATER LEVEL	130.00	W.L. DATE	05/02/1977
SCREEN INT.	200.00 - 200.00		
DRILLER	RICHARDSON		
WELL OWNER	ANDERSON DANIEL T		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	BROWN SILT SAND CLAY
2 :	3-6	GRAY SAND
3 :	6-8	BROWN SILTY CLAY
4 :	8-11	GRAY SILTY SAND
5 :	11-13	BROWN SILTY SAND
6 :	13-18	GRAY SILTY SAND
7 :	18-119	GRAY SILT STONE
8 :	119-121	BOULDER AND ROCK
9 :	121-200	SILT STONE

SITEID	473258122022101	LOCAL NUM.	24N/06E-21J01
LATITUDE	4d73m25s	LONGITUDE	122d02m21s

ALTITUDE	93.00	CONST. DATE	/ /
WELL DEPTH	150.00	HOLE DEPTH	0.00
WATER LEVEL	0.00	W.L. DATE	/ /
DRILLER	H MEYER		
WELL OWNER	PETES		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-11	SOFT CLAY & PEAT SURFACE
3 :	11-35	SAND GRAVEL & CLAY
4 :	35-70	HARDPAN
5 :	70-100	DIRTY SAND & GRAVEL W WATER
6 :	100-120	FINE SAND & SOME SML GRVL W WTR
7 :	120-140	CLEAN SAND & SMALL GRAVEL
8 :	140-150	HARDPAN NO WATER

SITEID	473318122010401	LOCAL NUM.	24N/06E-22A01
LATITUDE	4d73m31s	LONGITUDE	122d01m04s
ALTITUDE	434.00	CONST. DATE	10/15/1973
WELL DEPTH	107.00	HOLE DEPTH	0.00
WATER LEVEL	66.00	W.L. DATE	/ /
DRILLER	JOHNSON DRIL		
WELL OWNER	BOTHEL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-16	LOOSE GRAVEL BROWN
2 :	16-38	BROWN HARDPAN ROCKS
3 :	38-60	GRAY SANDY CLAY, SOFT
4 :	60-81	GRAY CLAY SOFT
5 :	81-87	WATER SAND AND GRAVEL GRAY
6 :	87-89	GRAY CLAY GRAVEL
7 :	89-155	GRAY SANDSTONE, HARD

SITEID	473324122010001	LOCAL NUM.	24N/06E-22A02
LATITUDE	47d33m24s	LONGITUDE	122d01m00s
ALTITUDE	440.00	CONST. DATE	03/12/1964
WELL DEPTH	85.00	HOLE DEPTH	85.00
WATER LEVEL	54.00	W.L. DATE	08/15/1964
SCREEN INT.	80.00 - 85.00		
DRILLER	H O MEYER		
WELL OWNER	PRESCOTT BRUCE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	COBBLES & HARDPAN
2 :	4-25	HARDPAN
3 :	25-35	SAND & GRAVEL
4 :	35-42	HARDPAN
5 :	42-45	LAYER BROWN CLAY
6 :	45-56	HARDPAN
7 :	56-62	SAND & GRAVEL
8 :	62-71	HARDPAN AND TRACE OF WATER
9 :	71-85	WATER BEARING SAND & GRAVEL

SITEID	473324122010002	LOCAL NUM.	24N/06E-22A03
LATITUDE	47d33m24s	LONGITUDE	122d01m00s
ALTITUDE	440.00	CONST. DATE	01/15/1979
WELL DEPTH	225.00	HOLE DEPTH	225.00
WATER LEVEL	70.00	W.L. DATE	01/12/1979
DRILLER	BURAAS D CO		
WELL OWNER	BATHEL BERNIE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-7	DRY BROWN LOOSE GRAVEL
2 :	7-18	BROWN CONGLOMERATED GRAVEL
3 :	18-53	GRAY HARDPAN
4 :	53-67	GRAY SILTY SAND WITH CLAY
5 :	67-80	GRAY CLAY
6 :	80-88	GRAY SAND AND GRAVEL
7 :	88-225	GRAY SANDSTONE

SITEID	473320122005901	LOCAL NUM.	24N/06E-22A04
LATITUDE	47d33m20s	LONGITUDE	122d00m59s
ALTITUDE	440.00	CONST. DATE	04/12/1977
WELL DEPTH	143.00	HOLE DEPTH	143.00
WATER LEVEL	129.00	W.L. DATE	04/12/1977
DRILLER	JOHNSON		
WELL OWNER	TAYLOR W E		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-19	BROWN CLAY SHOCKED W ROCKS
3 :	19-34	BROWN HARDPAN
4 :	34-67	GRAY CLAY - GRAVEL
5 :	67-130	GRAY CLAY
6 :	130-133	GRAY SILT
7 :	133-139	GRAY WATER SAND & GRAVEL
8 :	139-143	GRAY HARDPAN GRAVEL

SITEID	473303122013501	LOCAL NUM.	24N/06E-22D01
LATITUDE	4d73m30s	LONGITUDE	122d01m35s
ALTITUDE	403.00	CONST. DATE	12/27/1972
WELL DEPTH	220.00	HOLE DEPTH	0.00
WATER LEVEL	15.00	W.L. DATE	/ /
DRILLER	H D MEYER		
WELL OWNER	LEITCH		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-15	RED TILL
3 :	15-18	RED TILL
4 :	18-70	SANDSTONE
5 :	70-145	SANDSTONE BROWN & GRAY
6 :	145-205	SANDSTONE BROWN & GRAY
7 :	205-220	HARD WHITE SANDSTONE

SITEID 473308122012901 LOCAL NUM. 24N/06E-22F01

LATITUDE 47d33m08s LONGITUDE 122d01m29s
ALTITUDE 480.00 CONST. DATE 03/01/1985
WELL DEPTH 35.00 HOLE DEPTH 40.00
WATER LEVEL 40.00 W.L. DATE 03/01/1985
DRILLER JOHNSON
WELL OWNER TARGET DON

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-12	BROWN CLAY
3 :	12-18	GRAY HARDPAN
4 :	18-35	GRAY WATER GRAVEL
5 :	35-40	GRAY SANDSTONE

SITEID 473316122011601 LOCAL NUM. 24N/06E-22G01
LATITUDE 47d33m16s LONGITUDE 122d01m16s
ALTITUDE 410.00 CONST. DATE 08/07/1975
WELL DEPTH 67.00 HOLE DEPTH 67.00
WATER LEVEL 37.00 W.L. DATE 08/01/1975
SCREEN INT. 67.00 - 67.00
DRILLER JERRY GAINES
WELL OWNER GUTSCHMIDT ROY A

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-18	SURFACE
2 :	18-30	HARDPAN
3 :	30-58	HARDPAN & CLAY
4 :	58-67	SAND GRAVEL W WATER

SITEID 473312122011701 LOCAL NUM. 24N/06E-22G02
LATITUDE 47d33m12s LONGITUDE 122d01m17s
ALTITUDE 410.00 CONST. DATE 03/20/1978
WELL DEPTH 83.00 HOLE DEPTH 83.00
WATER LEVEL 20.00 W.L. DATE 03/20/1978
SCREEN INT. 33.00 - 83.00
DRILLER B J DRILL CO
WELL OWNER GUTSCHMIDT ROY

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	YELLOW BROWN CLAY GRAVEL ROCKS
2 :	2-8	GRAY CLAY GRAVEL SAND SOFT
3 :	8-15	GRAY CLAY
4 :	15-17	GRAY CLAY GRAVEL
5 :	17-19	GRAY CLAY SMALL GRAVEL TRACE WATER
6 :	19-30	LIGHT BROWN CLAY SAND STONE
7 :	30-83	GRAY SHELL STREAKS SAND STONE TRH20

SITEID 473312122011702 LOCAL NUM. 24N/06E-22G03
LATITUDE 47d33m12s LONGITUDE 122d01m17s
ALTITUDE 410.00 CONST. DATE 06/19/1980
WELL DEPTH 479.00 HOLE DEPTH 480.00
WATER LEVEL 0.00 W.L. DATE / /
SCREEN INT. 479.00 - 479.00
DRILLER B J DRILL CO
WELL OWNER GUTSCHMIDT ROY

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-18	BROWN SAND CLAY
2 :	18-22	BROWN CLAY SAND
3 :	22-60	GRAY CLAY
4 :	60-75	GRAY CLAY W/STREAKS OF DRY SAND
5 :	75-80	BROWN SAND STONE
6 :	80-92	BROWN CLAY WITH STREAK OF GRAVEL
7 :	92-100	CLAY AND SHELL STONE
8 :	100-125	CLAY & SHELL STONE LAYERS
9 :	125-130	CLAY LAYERS (TRACE OF WATER)
10 :	130-205	ALL COLORS SHALE
11 :	205-210	CLAY LAYERS W/SHALE (OVER NIGHT)
12 :	210-235	DIRTY SHALE LAYER CLAY
13 :	335-340	BROWN SAND STONE (PIPE STOPPED)
14 :	340-470	ALL COLOR SHALE SOFT
15 :	470-	REAL SOFT CAN'T DRILL FARTHER

SITEID 473313122010601 LOCAL NUM. 24N/06E-22H01
LATITUDE 4d73m31s LONGITUDE 122d01m06s
ALTITUDE 378.00 CONST. DATE 03/15/1976
WELL DEPTH 86.00 HOLE DEPTH 86.00
WATER LEVEL 40.00 W.L. DATE 03/15/1976
SCREEN INT. 81.00 - 86.00
DRILLER NW PUMP
WELL OWNER DRAZICK JOE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-24	SAND & GRAVEL BROWN
2 :	24-45	SAND & GRAVEL CEMENTED BROWN
3 :	45-70	SAND AND GRAVEL CEMENTED BLUE
4 :	70-80	SILT BLUE
5 :	80-86	SAND AND GRAVEL WATER BEARING

SITEID 473301122005601 LOCAL NUM. 24N/06E-22J01
LATITUDE 47d33m01s LONGITUDE 122d00m56s
ALTITUDE 380.00 CONST. DATE 10/21/1981
WELL DEPTH 78.00 HOLE DEPTH 78.00
WATER LEVEL 54.00 W.L. DATE 10/21/1981
SCREEN INT. 78.00 - 78.00
DRILLER NW PUMP
WELL OWNER DEAN JAMES

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TILL BROWN DAMP
2 :	3-16	SILTY SAND & GRAVEL BLUE DRY
3 :	16-44	SAND, OCC. GRAVEL, BROWN, WET
4 :	44-55	SILTY SAND, BLUE, DAMP
5 :	55-74	SAND AND GRAVEL, BROWN WET
6 :	74-78	WATER BEARING SAND AND GRAVEL

SITEID 473301122005602 LOCAL NUM. 24N/06E-22J02
LATITUDE 47d33m01s LONGITUDE 122d00m56s
ALTITUDE 380.00 CONST. DATE 10/21/1977
WELL DEPTH 97.00 HOLE DEPTH 97.00
WATER LEVEL 81.00 W.L. DATE 10/21/1977
SCREEN INT. 97.00 - 97.00
DRILLER NW PUMP
WELL OWNER DEAN JAMES

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-10	BROWN SAND & GRAVEL
3 :	10-26	BROWN SAND
4 :	26-42	BLUE TILL
5 :	42-81	BLUE SILTY SAND
6 :	81-96	BLUE TILL
7 :	96-97	WATER BEARING SAND AND GRAVEL

SITEID 473300122011601 LOCAL NUM. 24N/06E-22K01
LATITUDE 47d33m00s LONGITUDE 122d01m16s
ALTITUDE 340.00 CONST. DATE 02/03/1982
WELL DEPTH 90.00 HOLE DEPTH 90.00
WATER LEVEL 5.00 W.L. DATE 00/00/0000
SCREEN INT. 0.50 - 80.00
DRILLER JOHNSON
WELL OWNER BALL MEL

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-9	BROWN HARDPAN
3 :	9-16	GRAY DECAYED ROCK
4 :	16-25	DARK ROCK COAL SEAMS
5 :	25-60	GRAY ROCK
6 :	60-90	DARK ROCK COAL SEEPAGE
7 :	90-	COAL

SITEID 473301122013501 LOCAL NUM. 24N/06E-22L02
LATITUDE 47d33m01s LONGITUDE 122d01m35s
ALTITUDE 420.00 CONST. DATE 06/20/1977
WELL DEPTH 204.00 HOLE DEPTH 204.00
WATER LEVEL 75.00 W.L. DATE 06/20/1977
SCREEN INT. 56.00 - 204.00
DRILLER EVERGREEN
WELL OWNER BERNERT LARRY

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-15	BOULDERS IN OVERBURDEN
2 :	15-22	BROWN COMPACT TILL
3 :	22-35	LIGHT BROWN TILL BINDER
4 :	35-54	GRAY SAND & GRAVEL IN CLAY
5 :	54-56	DECOMPOSED SANDSTONE
6 :	56-115	DARK GRAY SANDSTONE
7 :	115-120	BLACK SANDSTONE
8 :	120-145	DARK GRAY SANDSTONE
9 :	145-193	LIGHT GRAY SANDSTONE
10 :	193-196	FRACTURED SANDSTONE
11 :	196-204	LIGHT GRAY SANDSTONE

SITEID 473252122005601 LOCAL NUM. 24N/06E-22R01
LATITUDE 47d32m52s LONGITUDE 122d00m56s
ALTITUDE 460.00 CONST. DATE 01/10/1977
WELL DEPTH 60.00 HOLE DEPTH 60.00
WATER LEVEL 40.00 W.L. DATE 01/10/1977
SCREEN INT. 60.00 - 60.00
DRILLER JOHNSON
WELL OWNER CUNNINGHAM, MIKE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-15	BROWN CLAY SHOCKED W ROCKS
3 :	15-24	BLUE CLAY
4 :	24-28	BROWN SAND AND GRAVEL
5 :	28-53	BROWN HARDPAN
6 :	53-59	BROWN WATER SAND AND GRAVEL
7 :	59-60	BLUE CLAY

SITEID 473225121583101 LOCAL NUM. 24N/06E-25H01
LATITUDE 47d32m25s LONGITUDE 121d58m31s
ALTITUDE 1200.00 CONST. DATE 12/22/1980
WELL DEPTH 80.00 HOLE DEPTH 80.00
WATER LEVEL 23.00 W.L. DATE 12/22/1980
DRILLER JOHNSON
WELL OWNER JENSON MAXINE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-40	BROWN CLAY
3 :	40-50	GRAY HARDPAN - GRAVEL
4 :	50-80	GRAY SOLID ROCK

SITEID 473205121582401 LOCAL NUM. 24N/06E-25J01
LATITUDE 47d32m05s LONGITUDE 121d58m24s
ALTITUDE 440.00 CONST. DATE 01/19/1981
WELL DEPTH 130.00 HOLE DEPTH 130.00
WATER LEVEL 64.00 W.L. DATE 01/19/1981
SCREEN INT. 67.00 - 128.00
DRILLER B J DRILL CO
WELL OWNER BARNES, JAMES

INT NO.	INTVL(FT)	DESCRIPTION
1 :	67-69	BLACK SOFT SHELL ROCK SOFT
2 :	69-92	BLACK ROCK FRACTURED VERY HARD
3 :	92-101	REDDISH SHELL SOFT TRACE WATER
4 :	101-130	PURPLE & RED SHELL STONE

SITEID 473153121590101 LOCAL NUM. 24N/06E-25P01

LATITUDE 47d31m53s LONGITUDE 121d59m01s
ALTITUDE 440.00 CONST. DATE 09/08/1981
WELL DEPTH 136.00 HOLE DEPTH 136.00
WATER LEVEL 115.00 W.L. DATE 09/08/1981
SCREEN INT. 32.00 - 136.00
DRILLER B J DRILL CO
WELL OWNER FOSTER, HERB

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	BROWN TOPSOIL CLAY
2 :	5-16	BROWN CLAY SAND GRAVEL BOULDERS
3 :	16-28	BROWN CLAY SAND GRAVEL CEMENTED
4 :	28-33	BROWN SILT
5 :	33-35	GRAY SHALE SOFT
6 :	35-70	BROWN SHALE HARD
7 :	70-76	BLUE SHALE SEMI-HARD
8 :	76-98	BROWN SHALE HARD
9 :	98-108	BROWN SHALE SOFT
10 :	108-115	BROWN SHALE SEMI-HARD
11 :	115-117	BROWN SHALE HARD
12 :	117-120	GRAY SHALE SEMI HARD
13 :	120-136	BROWN SHALE HARD
14 :	136-	WATER BROWN BROKEN SHALE

SITEID 473156122000101 LOCAL NUM. 24N/06E-26Q01
LATITUDE 47d31m56s LONGITUDE 122d00m01s
ALTITUDE 490.00 CONST. DATE 05/02/1978
WELL DEPTH 42.00 HOLE DEPTH 42.00
WATER LEVEL 23.00 W.L. DATE 00/00/0000
SCREEN INT. 37.00 - 42.00
DRILLER B J DRILL CO
WELL OWNER BUSHEY WILLIS

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	LIGHT BROWN SAND GRAVEL LOOSE
2 :	3-11	LIGHT BROWN SAND GRAVEL W BOLDERS
3 :	11-12	LIGHT BROWN SAND GRAVEL CEMENTED
4 :	12-14	(LARGE BOULDERS) CEMENTED
5 :	14-16	LIGHT BROWN GRAVEL ROCKS CEMENTED
6 :	16-20	LIGHT BROWN SAND GRAVEL LOOSE
7 :	20-28	LIGHT BROWN GRAVEL CLAY CEMENTED
8 :	28-42	GRAVEL SAND WATER

SITEID 473236122014901 LOCAL NUM. 24N/06E-27D01
LATITUDE 4d73m23s LONGITUDE 122d01m49s
ALTITUDE 93.00 CONST. DATE / /
WELL DEPTH 58.50 HOLE DEPTH 0.00
WATER LEVEL 16.30 W.L. DATE 05/04/1951
DRILLER
WELL OWNER LAKESIDE GRAVEL

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-11	SAND & GRAVEL
2 :	11-20	HARDPAN
3 :	20-22	COARSE GRAVEL SOME WATER
4 :	22-41	HARDPAN
5 :	41-48	COARSE GRAVEL W WATER
6 :	48-59	EGG SIZE GRAVEL W WATER

SITEID 473235122020001 LOCAL NUM. 24N/06E-27D03
LATITUDE 47d32m35s LONGITUDE 122d02m00s
ALTITUDE 50.00 CONST. DATE 07/00/1952
WELL DEPTH 42.00 HOLE DEPTH 42.00
WATER LEVEL 21.00 W.L. DATE 00/00/0000
DRILLER ROBINSON & R
WELL OWNER LAKESIDE GRAVEL

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-16	SAND & GRAVEL
2 :	16-30	SAND BROWN CLAY & GRAVEL
3 :	30-42	GRAVEL COARSE CLEAN BROWN

SITEID 473233122015401 LOCAL NUM. 24N/06E-27D04
LATITUDE 47d32m33s LONGITUDE 122d01m54s
ALTITUDE 50.00 CONST. DATE 05/11/1977
WELL DEPTH 52.00 HOLE DEPTH 52.00
WATER LEVEL 24.00 W.L. DATE 05/11/1977
SCREEN INT. 48.00 - 52.00
DRILLER RICHARDSON
WELL OWNER ROBINSON AND NOBEL INC.

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-11	SILT SAND & GRAVEL
2 :	11-14	BOULDER
3 :	14-52	SILT SAND GRAVEL

SITEID 473222122015701 LOCAL NUM. 24N/06E-27E01
LATITUDE 47d32m22s LONGITUDE 122d01m57s
ALTITUDE 50.00 CONST. DATE 11/11/1975
WELL DEPTH 93.00 HOLE DEPTH 93.00
WATER LEVEL 2.00 W.L. DATE 11/11/1975
SCREEN INT. 88.00 - 93.00
DRILLER H O MEYER
WELL OWNER EVERGREEN MOBILE COMPANY

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	FILL PEA GRAVEL
2 :	2-14	FILL OF MOSTLY CLAY & SEDIMENT
3 :	14-43	GRAY CLAY
4 :	43-46	PEAT
5 :	46-78	GRAY CLAY SOME GRAVEL
6 :	78-89	GRAVEL AND SAND DENSE
7 :	89-93	FREE GRAVEL AND SAND

SITEID 473205122014101 LOCAL NUM. 24N/06E-27M01
LATITUDE 4d73m20s LONGITUDE 122d01m41s

ALTITUDE	93.00	CONST. DATE	07/12/1967
WELL DEPTH	107.00	HOLE DEPTH	0.00
WATER LEVEL	24.00	W.L. DATE	/ R/
DRILLER	H O MEYER		
WELL OWNER	ISSAQUAH CITY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-7	TOPSOIL BROWN SANDY SILTY
2 :	7-28	SAND GRAY CEMENTED & BOULDERS
3 :	28-36	GRAVEL, BROWN, (WATER)
4 :	36-48	GRAVEL, TIGHT
5 :	48-72	GRAVEL, SMALL-COURSE,(WATER)
6 :	72-79	SAND, BROWN, GRAVEL & SILT
7 :	79-106	SAND, BROWN, GRAVEL BOULERS TO 10"
8 :	106-107	CLAY BLUE

SITEID	473206122014201	LOCAL NUM.	24N/06E-27M02
LATITUDE	4d73m20s	LONGITUDE	122d01m42s
ALTITUDE	93.00	CONST. DATE	06/20/1969
WELL DEPTH	97.00	HOLE DEPTH	0.00
WATER LEVEL	26.00	W.L. DATE	06/26/1969
DRILLER	NORTHWEST PU		
WELL OWNER	ISSAQUAH		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-6	TOPSOIL BROWN SANDY
2 :	6-22	SAND & GRAVEL W BOULDER BROWN CMT
3 :	22-28	SAND & GRAVEL HARD PACKED
4 :	28-80	SAND & GRAVEL HARD PACKED W WATER
5 :	80-97	SAND & GRAVEL CLEAN W WATER
6 :	97-98	SILT BROWN
7 :	98-109	CLAY BLUE
8 :	109-126	SAND, BLUE, SILTY
9 :	126-129	SAND & GRAVEL, BLUE CEMENT
10 :	129-139	SAND & GRAVEL, BROWN CEMENT
11 :	139-141	SAND & GRAVEL, CLEAN W WATER
12 :	141-153	CLAY, BLUE
13 :	153-158	SAND & GRAVEL, CEMENTED
14 :	158-172	SAND & GRAVEL, SILTY
15 :	172-200	SAND & GRAVEL, CEMENTED

SITEID	473238122022001	LOCAL NUM.	24N/06E-28A01
LATITUDE	4d73m23s	LONGITUDE	122d02m20s
ALTITUDE	70.00	CONST. DATE	12/01/1975
WELL DEPTH	57.00	HOLE DEPTH	57.00
WATER LEVEL	1.50	W.L. DATE	12/01/1975
SCREEN INT.	47.00 - 57.00		
DRILLER	JOHNSON		
WELL OWNER	SELENU DAVE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	SURFACE
2 :	2-7	LOOSE GRAVEL
3 :	7-21	BROWN HARDPAN GRAVEL
4 :	21-48	GRAY HARDPAN
5 :	48-57	WATER GRAVEL

SITEID	473234122021501	LOCAL NUM.	24N/06E-28A02
LATITUDE	47d32m34s	LONGITUDE	122d02m15s
ALTITUDE	55.00	CONST. DATE	09/05/1980
WELL DEPTH	143.00	HOLE DEPTH	143.00
WATER LEVEL	103.00	W.L. DATE	09/05/1980
SCREEN INT.	133.00 - 143.00		
DRILLER	BURAAS D CO		
WELL OWNER	BUCOVE MICHAEL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	BROWN LOAM
2 :	5-20	BROWN HARDPAN
3 :	20-38	BROWN DRY GRAVEL
4 :	38-55	BROWN GRAVELY TILL
5 :	55-59	BROWN DRY GRAVEL
6 :	59-75	BROWN CONGLOMERATED GRAVEL
7 :	75-90	BROWN CONGLOMERATED SAND & GRAVEL
8 :	90-128	BROWN CONGLOMERATED SAND
9 :	128-135	GRAY FINE SAND
10 :	135-143	GRAY FINE TO MEDIUM WASHED SAND

SITEID	473234122021502	LOCAL NUM.	24N/06E-28A03
LATITUDE	47d32m34s	LONGITUDE	122d02m15s
ALTITUDE	55.00	CONST. DATE	03/18/1984
WELL DEPTH	151.00	HOLE DEPTH	151.00
WATER LEVEL	6.17	W.L. DATE	03/17/1984
SCREEN INT.	82.00 - 146.90		
DRILLER	H O MEYER		
WELL OWNER	KING CO WATER DIST 82		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-6	FILL WOOD CLAY GRAVEL SILT
2 :	6-17	GRAVEL SAND CLAY SILT
3 :	17-20	GRAVEL,BROWN SAND
4 :	20-24	BROWN CLAY,SAND
5 :	24-65	BROWN SAND, GRAVEL, CLAY, SILT
6 :	65-69	BROWN SAND, CLAY, SILT
7 :	69-85	BROWN SAND, GRAVEL, CLAY, SILT
8 :	85-90	BRN SAND GRAVL CLAY SILT H20 BEARG
9 :	90-130	GRAVEL COBBLES BRN SAND CLAY SILT
10 :	130-133	BROWN SAND GRAVEL
11 :	133-136	BROWN SAND, GRAVEL, LAYERS CLAY
12 :	136-148	SAND GRAVEL CLAY SILT WATER BEARING
13 :	148-151	BROWN CLAY SAND SOME GRAVEL

SITEID	473228122022901	LOCAL NUM.	24N/06E-28A04
LATITUDE	47d32m28s	LONGITUDE	122d02m29s
ALTITUDE	80.00	CONST. DATE	12/24/1975
WELL DEPTH	0.00	HOLE DEPTH	0.00
WATER LEVEL	0.00	W.L. DATE	/ /
DRILLER	MEYER		
WELL OWNER	COTTERALL ROBERT		

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INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-8	CLAY
2 :	8-28	LAOM SILT BROWN
3 :	28-46	GRAY CLAY
4 :	46-53	GRAY SAND & GRAVEL

SITEID	473236122023101	LOCAL NUM.	24N/06E-28B03
LATITUDE	47d32m36s	LONGITUDE	122d02m31s
ALTITUDE	50.00	CONST. DATE	01/20/1986
WELL DEPTH	450.00	HOLE DEPTH	650.00
WATER LEVEL	7.00	W.L. DATE	03/08/1985
SCREEN INT.	330.00 - 450.00		
DRILLER	RICHARDSON		
WELL OWNER	CITY OF ISSAQUAH		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-14	BROWN SILT W SOME GRAVEL
2 :	14-35	GRAVEL GREEN SILT & CLAY
3 :	35-75	GRAY SILT FINE SAND & OCC GRAVEL
4 :	75-125	SAND & GRAVEL W SOME SILTY ZONES
5 :	125-135	GRAY VERY FINE TO MEDIUM SAND
6 :	135-155	GRAY SILT & CLAY
7 :	155-170	GRAY SANDY SILT & CLAY
8 :	170-200	GRAY SILT
9 :	200-240	GRAY SILT SAND & CLAY
10 :	240-270	GRY ALT THIN SILT/CL & THIN SN & GR
11 :	270-405	GRAY FINE SAND W SOME SILTY ZONES
12 :	405-419	GRAY FINE SAND W SILT & CLAY MATRIX
13 :	419-450	GRAY SAND & SILT WITH SOME GRAVEL
14 :	450-630	GRAY CLAY & SILT
15 :	630-640	DARK GRAVEL & SAND CLAY MATRIX
16 :	640-650	GRAY SILTY CLAY

SITEID	473223122031101	LOCAL NUM.	24N/06E-28E01
LATITUDE	47d32m23s	LONGITUDE	122d03m11s
ALTITUDE	200.00	CONST. DATE	10/00/1954
WELL DEPTH	197.00	HOLE DEPTH	197.00
WATER LEVEL	125.00	W.L. DATE	00/00/0000
SCREEN INT.	187.00 - 197.00		
DRILLER	H O MEYER		
WELL OWNER	PICKERING BROS		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-16	MUCK & CLAY
2 :	16-40	HARDPAN & BOULDERS
3 :	40-80	HARDPAN
4 :	80-120	CLAY & SILT
5 :	120-177	SILT & S W CL STRKS SOME WTR @ 140
6 :	177-197	DIRTY SAND & CLAY W WATER

SITEID	473215122024901	LOCAL NUM.	24N/06E-28F01
LATITUDE	47d32m15s	LONGITUDE	122d02m49s
ALTITUDE	80.00	CONST. DATE	10/15/1982
WELL DEPTH	78.00	HOLE DEPTH	78.00
WATER LEVEL	-2.00	W.L. DATE	10/15/1982
DRILLER	BURAAS D CO		
WELL OWNER	ZETEC INC		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	BROWN SANDY LOAM
2 :	1-6	BROWN CLAY
3 :	6-32	BLUE CLAY W SILT LAYERS
4 :	32-45	GRAY SAND & GRAVEL
5 :	45-47	GRAY CLAY W PEAT LAYERS
6 :	47-68	GRYA SILTY SAND
7 :	68-78	BROWN SAND & GRAVEL

SITEID	473211122020801	LOCAL NUM.	24N/06E-28J01
LATITUDE	4d73m20s	LONGITUDE	122d02m26s
ALTITUDE	217.00	CONST. DATE	03/07/1949
WELL DEPTH	54.00	HOLE DEPTH	0.00
WATER LEVEL	8.50	W.L. DATE	/ R/
DRILLER	FAIRBANKS ?		
WELL OWNER	~~ISSAGUAH~~		

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INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-8	HARDPAN & ROCKS
3 :	8-16	YELLOW HARDPAN
4 :	16-25	YELLOW HARDPAN W LARGE ROCKS
5 :	25-31	GRAVEL W WATER
6 :	31-32	YELLOW CLAY HARDPAN GRAVEL
7 :	32-42	PEA GRAVEL & SAND W WATER
8 :	42-45	EGG SIZE GRAVEL BRN SAND BASALT WTR
9 :	45-54	EGG SIZE GRAVEL BRN SAND BASALT

SITEID	473241122032601	LOCAL NUM.	24N/06E-29A01
LATITUDE	47d32m41s	LONGITUDE	122d03m26s
ALTITUDE	50.00	CONST. DATE	01/02/1963
WELL DEPTH	264.00	HOLE DEPTH	264.00
WATER LEVEL	-2.00	W.L. DATE	09/19/1962
SCREEN INT.	40.00 - 50.00		
DRILLER	H O MEYER		
WELL OWNER	ROWLEY, GEORGE W.		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-5	BROWN TOPSOIL
2 :	5-21	BROWN & BLUE CLAY
3 :	21-28	GRAVEL SAND & WATER
4 :	28-75	BROWN PEAT SILT & WOOD
5 :	75-100	BROWN GRAVEL FINE SAND SILT & CLAY
6 :	100-140	BLUE SILTY CLAY SATURATED W WATER
7 :	140-180	SILT & CLAY
8 :	180-236	SILT & CLAY SATURATED W WATER
9 :	236-242	CEMENTED GRAVEL
10 :	242-254	CEMENTED GRAVEL
11 :	254-264	MED FINE SAND ALL W/B

SITEID 473233122040001 LOCAL NUM. 24N/06E-29B01
LATITUDE 4d73m23s LONGITUDE 122d04m00s
ALTITUDE 186.00 CONST. DATE / /
WELL DEPTH 328.00 HOLE DEPTH 0.00
WATER LEVEL 0.00 W.L. DATE / /
DRILLER B & V DRLG
WELL OWNER NIKKO

INT NO.	INTVL(FT).	DESCRIPTION
1 :	0-25	GRAVEL & BOULDERS
2 :	25-305	SAND
3 :	305-328	GRAVEL

SITEID 473221122033701 LOCAL NUM. 24N/06E-29H01
LATITUDE 47d32m21s LONGITUDE 122d03m37s
ALTITUDE 80.00 CONST. DATE 06/29/1982
WELL DEPTH 54.00 HOLE DEPTH 54.00
WATER LEVEL 6.00 W.L. DATE 00/00/0000
SCREEN INT. 49.00 - 54.00
DRILLER B J DRILL CO
WELL OWNER KELLY, JOHN

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-6	BROWN TOPSOIL
2 :	6-17	BLUE SILTY CLAY
3 :	17-20	GREEN CLAY W/ROCKS
4 :	20-27	GREEN SAND, GRAVEL, CEMENTED
5 :	27-35	BLUE SILTY CLAY
6 :	35-41	SAND, GRAVEL ROCK CEMENTED
7 :	41-43	BLUE CLAY, SAND, GRAVEL, CEMENTED
8 :	43-53	SAND, GRAVEL, ROCK, WATER
9 :	53-54	BROWN SAND, GRAVEL, CEMENTED

SITEID 473208122033101 LOCAL NUM. 24N/06E-29J02
LATITUDE 47d32m08s LONGITUDE 122d03m31s
ALTITUDE 90.00 CONST. DATE 07/17/1982
WELL DEPTH 42.00 HOLE DEPTH 41.00
WATER LEVEL 18.00 W.L. DATE 07/17/1982
SCREEN INT. 20.00 - 30.00
DRILLER B J DRILL CO
WELL OWNER WARNER, GARY C.

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	BROWN TOPSOIL
2 :	2-19	BROWN CLAY SAND GRAVEL
3 :	19-31	BLUE SAND, GRAVEL, CEMENTED/STRKH20
4 :	31-34	GREEN CEMENTED SAND, GRAVEL
5 :	34-42	GREEN CLAY, SAND, GRAVEL, SOFT

SITEID 473158122033301 LOCAL NUM. 24N/06E-29R01
LATITUDE 47d31m58s LONGITUDE 122d03m33s
ALTITUDE 140.00 CONST. DATE 07/09/1980
WELL DEPTH 127.00 HOLE DEPTH 127.00
WATER LEVEL 15.00 W.L. DATE 07/09/1980
SCREEN INT. 117.00 - 127.00
DRILLER BURAAS D CO
WELL OWNER POMMER, JAMES

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	BROWN SAND
2 :	4-25	BROWN GRAVELY CLAY
3 :	25-31	GRAY SEMI CONGLOMERATED GRAVEL
4 :	31-51	GRAY SILTY SAND
5 :	51-82	GRAY DENSE GRAVEL(SMS OF S W/H20
6 :	82-113	GRAY DENSE GRAVEL
7 :	113-122	GRAY WASHED MED TO COURSE SAND
8 :	122-127	GRAY WASHED COURSE SAND AND GRAVEL

SITEID 473304121573602 LOCAL NUM. 24N/07E-19F02
LATITUDE 47d33m04s LONGITUDE 121d57m36s
ALTITUDE 1400.00 CONST. DATE 12/30/1976
WELL DEPTH 44.00 HOLE DEPTH 44.00
WATER LEVEL 25.00 W.L. DATE 12/30/1976
DRILLER JOHNSON
WELL OWNER BEATTY PAUL

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-16	BROWN CLAY
3 :	16-30	GARY HARDPAN
4 :	30-35	GRAY ROCK
5 :	35-44	BROWN HARDPAN GRAVEL (WATER)
6 :	44-	BROWN CLAY

SITEID 473245121574901 LOCAL NUM. 24N/07E-19P02
LATITUDE 47d32m45s LONGITUDE 121d57m49s
ALTITUDE 1020.00 CONST. DATE 09/14/1986
WELL DEPTH 140.00 HOLE DEPTH 140.00
WATER LEVEL 35.00 W.L. DATE 00/00/0000
SCREEN INT. 120.00 - 140.00
DRILLER NW PUMP
WELL OWNER HUNT, GENE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-17	BROWN CEM SAND & GRAVEL W BOULDERS
3 :	17-140	GRAY SANDSTONE

SITEID 473245121574902 LOCAL NUM. 24N/07E-19P03
LATITUDE 47d32m45s LONGITUDE 121d57m49s
ALTITUDE 980.00 CONST. DATE 05/21/1988
WELL DEPTH 260.00 HOLE DEPTH 350.00
WATER LEVEL 45.00 W.L. DATE 05/21/1988
SCREEN INT. 160.00 - 260.00

DRILLER BURASS D CO
WELL OWNER TINKER, JOHN

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-14	BROWN GRAVELY CLAY
2 :	14-60	LIGHT GRAY MED DENSE SANDSTONE
3 :	60-260	GRAY MOD DENSE S-STONE W/SHALE LYRS

SITEID 473245121574903 LOCAL NUM. 24N/07E-19P04
LATITUDE 47d32m45s LONGITUDE 121d57m49s
ALTITUDE 1020.00 CONST. DATE 01/01/1987
WELL DEPTH 193.00 HOLE DEPTH 215.00
WATER LEVEL 100.00 W.L. DATE 01/01/1987
DRILLER STATEWIDE
WELL OWNER MONTGOMERY JOHN

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-24	BROWN CLAYEY HARDPAN W BOULDERS
2 :	24-215	BLUE HARDPAN W BOULDERS

SITEID 473245121574904 LOCAL NUM. 24N/07E-19P05
LATITUDE 47d32m45s LONGITUDE 121d57m49s
ALTITUDE 980.00 CONST. DATE 08/10/1978
WELL DEPTH 260.00 HOLE DEPTH 260.00
WATER LEVEL 70.00 W.L. DATE 08/10/1978
DRILLER JOHNSON
WELL OWNER RUNCIE, KIM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	BROWN DECAYED ROCK
2 :	12-70	GRAY SOLID ROCK
3 :	70-142	GRAY HARD ROCK
4 :	142-150	DARK GRAY SOLID ROCK
5 :	150-210	BLACK AND GRAY ROCK
6 :	210-260	GRAY ROCK

SITEID 473244121571401 LOCAL NUM. 24N/07E-19R01
LATITUDE 47d32m44s LONGITUDE 121d57m14s
ALTITUDE 1030.00 CONST. DATE 02/19/1968
WELL DEPTH 149.00 HOLE DEPTH 149.00
WATER LEVEL 0.00 W.L. DATE / /
DRILLER H O MEYER
WELL OWNER PEARSON, FRITZ

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	LOOSE BOULDERS
2 :	3-12	HARDPAN & BOULDERS
3 :	12-33	HARD ROCK SANDSTONE
4 :	33-46	MED HARD ROCK
5 :	46-48	FRATURED COVEY ROCK
6 :	48-67	HARD ROCK WITH SOFT SPOTS
7 :	67-98	MED HARD ROCK
8 :	98-104	HARD ROCK
9 :	108-129	MED ROCK
10 :	129-147	VERY FIRM ROCK & BROKEN ROCK
11 :	147-149	HARD ROCK

SITEID 473244121571402 LOCAL NUM. 24N/07E-19R02
LATITUDE 47d32m44s LONGITUDE 121d57m14s
ALTITUDE 1030.00 CONST. DATE 08/18/1983
WELL DEPTH 220.00 HOLE DEPTH 220.00
WATER LEVEL 40.00 W.L. DATE 08/18/1983
DRILLER RICHARDSON
WELL OWNER STETTLER PAUL

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL & GRAVEL
2 :	2-6	BOULDER
3 :	6-21	HARDPAN
4 :	21-22	HARDPAN & SEEPAGE
5 :	22-86	HARDPAN & BOULDERS
6 :	86-97	GRAVEL & CLAY
7 :	97-100	CLAY GRAVEL & SEEPAGE
8 :	100-160	MULTI COLORED PACKED SND CL & SILT
9 :	160-161	SEEPAGE MULTI COLORED SND CL & SILT
10 :	161-193	PACKED SANDY CLAY & SOME GRAVEL
11 :	193-196	SOFT BROWNISH SHALE
12 :	196-220	SOFT ROCK & WATER

SITEID 473324121573001 LOCAL NUM. 24N/07E-29D01
LATITUDE 47d32m34s LONGITUDE 121d57m01s
ALTITUDE 890.00 CONST. DATE 08/07/1981
WELL DEPTH 194.00 HOLE DEPTH 194.00
WATER LEVEL 49.00 W.L. DATE 08/01/1981
SCREEN INT. 189.00 - 194.00
DRILLER B J DRILL CO
WELL OWNER BERG JEFF

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	DARK TOPSOIL
2 :	1-4	ORANGE BRN CLAY SAND GRAVEL
3 :	4-18	LT BRN CLAY SAND GRAVEL
4 :	18-30	BROWN CLAY SAND GRAVEL CEMENTED
5 :	30-39	BROWN CLAY GRAVEL SAND TRACE H20
6 :	39-41	BROWN CLAY SAND GRAVEL CEMENTED
7 :	41-69	GRAY CLAY SILT
8 :	69-75	GRAY SAND SILT HEAVING
9 :	75-80	GRAY CLAY SAND LAYERS
10 :	80-100	GRAY CLAY SAND LAYERS
11 :	100-104	GRAY CLAY SILT SAND (TRACE H20)
12 :	104-105	GRAY CLAY SILT (WATER SILTY)
13 :	105-108	GRAY SILT GRAVEL SAND CLAY BOULDERS
14 :	108-113	LARGE BOULDER
15 :	113-117	GRAY SILT CLAY GRAVEL SAND
16 :	117-122	GRAY SAND GRAVEL SILT W TRACE WATER
17 :	122-135	GRAY CLAY GRAVEL SAND SILT CEMENTED
18 :	135-176	GRAY CLAY GRAVEL SAND STREAKS
19 :	176-177	GRAY CLAY SAND SILT WATER BOULDERS

20 : 177-194 GRAY SAND GRAVEL SILT WATER

SITEID	473230121565701	LOCAL NUM.	24N/07E-29D02
LATITUDE	47d32m30s	LONGITUDE	121d56m57s
ALTITUDE	900.00	CONST. DATE	06/26/1973
WELL DEPTH	105.00	HOLE DEPTH	105.00
WATER LEVEL	25.00	W.L. DATE	06/26/1973
DRILLER	H O MEYER		
WELL OWNER	BECKMAN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	HAND DUG BLDRS 3 FEET
2 :	3-22	BROWN CLAY & BOULDERS
3 :	22-26	BLUE TILL
4 :	26-30	GREENISH TILL
5 :	30-48	GREENISH TILL & BLDRS
6 :	48-55	TILL AND LARGE BLDRS
7 :	55-58	GRAY TILL AND BLDRS
8 :	58-65	GRAY TILL & BOULDERS
9 :	65-70	GRAY TILL & BOULDERS
10 :	70-77	SAND ROCK CAP
11 :	77-81	FIRM ROCK
12 :	81-83	LARGE BOULDERS
13 :	82-85	TILL & ROCKS
14 :	85-105	GRAVEL TILL & BROKEN ROCK

SITEID	473153121565701	LOCAL NUM.	24N/07E-29N01
LATITUDE	47d31m53s	LONGITUDE	121d56m57s
ALTITUDE	500.00	CONST. DATE	10/30/1980
WELL DEPTH	180.00	HOLE DEPTH	180.00
WATER LEVEL	20.00	W.L. DATE	10/30/1980
SCREEN INT.	45.00 - 50.00		
DRILLER	RICHARDSON		
WELL OWNER	STUDEBAKER, FRANCES S		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-5	CLAY & GRAVEL
3 :	5-13	CLAY
4 :	13-18	CLAY GRAVEL AND SEEPAGE
5 :	18-45	HARDPAN AND BOULDERS
6 :	45-50	SEEPAGE GRAVEL AND SAND
7 :	50-56	CLAY AND GRAVEL
8 :	56-72	GRAY SANDY CLAY
9 :	72-131	HEAVING DIRTY SAND
10 :	131-165	DIRTY SILTY HEAVING SAND

SITEID	473159121563601	LOCAL NUM.	24N/07E-29P02
LATITUDE	47d31m59s	LONGITUDE	121d56m36s
ALTITUDE	500.00	CONST. DATE	01/08/1981
WELL DEPTH	65.00	HOLE DEPTH	65.00
WATER LEVEL	21.50	W.L. DATE	01/08/1981
SCREEN INT.	53.50 - 63.50		
DRILLER	NW PUMP		
WELL OWNER	DEPT OF TRANSPORTATION		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-12	SAND & GRAVEL BROWN DRY
2 :	12-15	GLACIAL TILL BLUE DRY
3 :	15-35	GLACIAL TILL, BROWN DRY
4 :	35-65	WATER BEARING SAND AND GRAVEL BRN

SITEID	473234121573001	LOCAL NUM.	24N/07E-30B02
LATITUDE	47d32m34s	LONGITUDE	121d57m30s
ALTITUDE	880.00	CONST. DATE	05/00/1969
WELL DEPTH	216.00	HOLE DEPTH	216.00
WATER LEVEL	0.00	W.L. DATE	/ /
DRILLER	H O MEYER		
WELL OWNER	MAYBRY JAY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-20	BROKEN ROCK & GRAVEL
2 :	20-126	UNCONSOLIDATED SANDSTONE
3 :	126-216	FIRM SANDSTONE

SITEID	473234121573002	LOCAL NUM.	24N/07E-30B03
LATITUDE	47d32m34s	LONGITUDE	121d57m30s
ALTITUDE	940.00	CONST. DATE	04/05/1979
WELL DEPTH	186.00	HOLE DEPTH	186.00
WATER LEVEL	115.00	W.L. DATE	04/05/1979
DRILLER	JOHNSON		
WELL OWNER	CROFT, DENNIS		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-19	BROWN CLAY ROCKS
3 :	19-42	BROWN HARDPAN
4 :	42-50	GRAY CLAY
5 :	50-55	GRAY HARDPAN
6 :	55-110	BROWN HARDPAN
7 :	110-165	BROWN SILTY CLAY
8 :	165-171	BROWN HARDPAN GRAVEL
9 :	171-185	BROWN WATER SAND AND GRAVEL
10 :	185-186	GRAY HARDPAN GRAVEL

SITEID	473232121574801	LOCAL NUM.	24N/07E-30C01
LATITUDE	47d32m32s	LONGITUDE	121d57m48s
ALTITUDE	1000.00	CONST. DATE	09/22/1979
WELL DEPTH	180.00	HOLE DEPTH	180.00
WATER LEVEL	67.00	W.L. DATE	09/24/1979
SCREEN INT.	106.00 - 176.00		
DRILLER	BERG PUMP		
WELL OWNER	REEVES TOM		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	HARDPAN

2 :	2-20	HARDPAN
3 :	20-40	HARDPAN
4 :	40-60	2 HARDPAN
5 :	60-80	BLUE CLAY HARDPAN
6 :	80-100	BLUE CLAY HARDPAN
7 :	100-114	BLUE CLAY HARDPAN
8 :	114-115	WATER GRAVEL
9 :	115-120	BLUE CLAY HARDPAN
10 :	120-140	BLUE CLAY HARDPAN
11 :	140-160	BLUE CLAY HARDPAN
12 :	160-164	BLUE CLAY HARDPAN
13 :	164-166	BLACK BASALT BROKEN APX6GPM
14 :	166-180	BLUE CLAY HARDPAN

SITEID	473231121580501	LOCAL NUM.	24N/07E-30D01
LATITUDE	47d32m31s	LONGITUDE	121d58m05s
ALTITUDE	800.00	CONST. DATE	08/07/1970
WELL DEPTH	215.00	HOLE DEPTH	215.00
WATER LEVEL	130.00	W.L. DATE	00/00/0000
SCREEN INT.	155.00 - 215.00		
DRILLER	H O MEYER		
WELL OWNER	MARTIN, TOBIN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-13	BROWN CLAY ROCKS
2 :	13-19	BROWN HARDPAN
3 :	19-23	BRN SANDSTONE
4 :	23-40	BRN SANDSTONE
5 :	40-65	BROWN GRAY SANDSTONE
6 :	65-124	BROWN GRAY SANDSTONE
7 :	124-143	BLUE GRAY SANDSTONE VERY FIRM
8 :	143-145	BLUE GRAY SANDSTONE SOFT
9 :	145-165	BLUE GRAY SANDSTONE FIRM
10 :	165-215	BLUE GRAY & WHITE SANDSTONE

SITEID	473218121581001	LOCAL NUM.	24N/07E-30E01
LATITUDE	47d32m12s	LONGITUDE	121d57m36s
ALTITUDE	760.00	CONST. DATE	01/07/1977
WELL DEPTH	274.00	HOLE DEPTH	277.00
WATER LEVEL	80.00	W.L. DATE	01/07/1977
DRILLER	JOHNSON		
WELL OWNER	CARLSON BOB OR RON		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	SURFACE
2 :	1-3	BROWN CLAY
3 :	3-16	BROWN CLAY, BOULDERS
4 :	16-32	GRAY SOLID ROCK (VOLCANIC)
5 :	32-66	BROWN ROCK
6 :	66-160	GRAY ROCK
7 :	160-210	BLUE GRAY ROCK
8 :	210-220	WHITE ROCK (HARD)
9 :	220-260	GRAY ROCK (HARD) WATER SEEPAGE
10 :	260-277	GRAY ROCK

SITEID	473219121574801	LOCAL NUM.	24N/07E-30F01
LATITUDE	47d32m19s	LONGITUDE	121d57m48s
ALTITUDE	700.00	CONST. DATE	11/11/1987
WELL DEPTH	212.00	HOLE DEPTH	270.00
WATER LEVEL	0.00	W.L. DATE	/ /
SCREEN INT.	160.00 - 209.00		
DRILLER	ALPINE WELL		
WELL OWNER	LORANGER JOE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-49	HARDPAN W GRAVEL & COBBLES
2 :	49-69	TAN HARDPAN HIGH CLAY CONTENT
3 :	69-81	FINE SAND IN TAN CLAY
4 :	81-104	TAN HARD PAN
5 :	104-116	SAND, GRAVEL AND COBBLES
6 :	116-138	SANDY TAN CLAY
7 :	138-163	BASALT DARK HARD
8 :	163-270	DECOMPOSED BASALT SOFT

SITEID	473219121574802	LOCAL NUM.	24N/07E-30F02
LATITUDE	47d32m19s	LONGITUDE	121d57m48s
ALTITUDE	700.00	CONST. DATE	10/15/1980
WELL DEPTH	320.00	HOLE DEPTH	320.00
WATER LEVEL	5.00	W.L. DATE	10/15/1980
SCREEN INT.	220.00 - 320.00		
DRILLER	JOHNSON		
WELL OWNER	PEARSON, GOSTA		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-8	BROWN CLAY
3 :	8-15	BROWN ROCK
4 :	15-23	GRAY ROCK
5 :	23-36	BROWN ROCK
6 :	36-43	GRAY ROCK
7 :	43-60	BROWN ROCK
8 :	60-320	GRAY ROCK

SITEID	473219121574803	LOCAL NUM.	24N/07E-30F03
LATITUDE	47d32m19s	LONGITUDE	121d57m48s
ALTITUDE	700.00	CONST. DATE	10/09/1980
WELL DEPTH	97.00	HOLE DEPTH	320.00
WATER LEVEL	0.00	W.L. DATE	/ /
DRILLER	JOHNSON		
WELL OWNER	PEERSON, FRITZ		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-7	BROWN SAND & GRAVEL
3 :	7-10	BOULDER
4 :	10-76	BROWN SAND AND GRAVEL
5 :	76-80	BROWN SAND
6 :	80-92	GRAY SAND AND GRAVEL
7 :	92-100	GRAY SOLID ROCK HARD
8 :	100-120	GRAY SOLID ROCK SOFT

9 :	120-320	GRAY ROCK, HARD

SITEID	473205121573101	LOCAL NUM.	24N/07E-30K02
LATITUDE	47d32m05s	LONGITUDE	121d57m31s
ALTITUDE	520.00	CONST. DATE	05/12/1979
WELL DEPTH	300.00	HOLE DEPTH	300.00
WATER LEVEL	0.00	W.L. DATE	/ /
SCREEN INT.	280.00 - 300.00		
DRILLER	BERG PUMP		
WELL OWNER	MOLCZAN GEORGE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-20	DIRT & COBBLE STONE
2 :	20-40	HARDPAN & GRAVEL
3 :	40-45	BLUE CLAY
4 :	45-50	BROWN CLAY
5 :	50-175	SILTH STONE
6 :	175-220	RED CLAY
7 :	220-240	WATER IN RED CLAY 2/GAL MIN
8 :	240-260	GRAY SANDSTONE
9 :	260-280	RED CLAY
10 :	280-285	GRAY BASALT
11 :	285-300	GRAY BASALT, WATER BEARING

SITEID	473206121574901	LOCAL NUM.	24N/07E-30L01
LATITUDE	47d32m06s	LONGITUDE	121d57m49s
ALTITUDE	480.00	CONST. DATE	02/03/1977
WELL DEPTH	60.00	HOLE DEPTH	60.00
WATER LEVEL	18.00	W.L. DATE	02/03/1977
SCREEN INT.	28.00 - 33.00		
DRILLER	JOHNSON		
WELL OWNER	PEARSON, RICHARD		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	SURFACE
2 :	4-11	BROWN SANDY CLAY SHOCKED W GRAVEL
3 :	11-22	BROWN HARDPAN
4 :	22-29	GRAY SOLID ROCK
5 :	29-31	GRAY HARDPAN
6 :	31-39	GRAY WATER SAND
7 :	39-60	GRAY WATER SILTY SAND

SITEID	473154121574801	LOCAL NUM.	24N/07E-30P01
LATITUDE	47d31m54s	LONGITUDE	121d57m48s
ALTITUDE	710.00	CONST. DATE	10/00/1978
WELL DEPTH	184.00	HOLE DEPTH	184.00
WATER LEVEL	-1.00	W.L. DATE	10/00/1978
SCREEN INT.	18.00 - 184.00		
DRILLER	B J DRILL CO		
WELL OWNER	SATTERTHWAITE, DALE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-18	BROWN CLAY SAND GRAVEL BOULDERS
3 :	18-184	SHALE

SITEID	473153121573101	LOCAL NUM.	24N/07E-30Q01
LATITUDE	47d31m53s	LONGITUDE	121d57m31s
ALTITUDE	570.00	CONST. DATE	06/30/1985
WELL DEPTH	270.00	HOLE DEPTH	306.00
WATER LEVEL	137.00	W.L. DATE	/ /
DRILLER	H O MEYER		
WELL OWNER	CANNON, JAMES		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	113-200	SANDSTONE GRAY
2 :	200-270	BROWN & PURPLE SANDSTONE
3 :	270-306	CAVING SAND ROCK GRAY COLOR
4 :	-	

SITEID	473153121573102	LOCAL NUM.	24N/07E-30Q02
LATITUDE	47d31m53s	LONGITUDE	121d57m31s
ALTITUDE	570.00	CONST. DATE	12/09/1968
WELL DEPTH	125.00	HOLE DEPTH	125.00
WATER LEVEL	5.00	W.L. DATE	12/09/1968
SCREEN INT.	19.50 - 125.00		
DRILLER	B J DRILL CO		
WELL OWNER	BERNARD PAUL		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	BROWN ROCK GRAVEL CLAY
2 :	2-4	TOPSOIL BROWN
3 :	4-10	LIGHT BROWN CLAY SAND GRAVEL SOFT
4 :	10-19	LT BROWN CLAY SAND GRAVEL CEMENTED
5 :	19-125	LT BRN PURPLE BLUE SHELL

SITEID	473153121571601	LOCAL NUM.	24N/07E-30R01
LATITUDE	47d31m53s	LONGITUDE	121d57m16s
ALTITUDE	510.00	CONST. DATE	05/31/1983
WELL DEPTH	223.00	HOLE DEPTH	226.00
WATER LEVEL	52.00	W.L. DATE	05/26/1983
SCREEN INT.	12.00 - 223.00		
DRILLER	RICHARDSON		
WELL OWNER	GERKE, BOB		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-18	SURFACE SEAL
2 :	18-120	LAYERED BLACK/BRN FRACTURED ROCK
3 :	120-126	TIGHT BROWN SAND STONE
4 :	126-162	SOFT WEATHERED BLK ROCK SOME H20
5 :	162-203	BLK FRACTURED ROCK WEATHRD H20
6 :	203-210	HRD SOLID BLACK ROCK
7 :	210-223	FRACTURED BLACK ROCK

SITEID 473125121573101 LOCAL NUM. 24N/07E-31G01
LATITUDE 47d31m25s LONGITUDE 121d57m31s
ALTITUDE 1180.00 CONST. DATE 05/23/1988
WELL DEPTH 78.00 HOLE DEPTH 78.00
WATER LEVEL 50.00 W.L. DATE 05/22/1988
SCREEN INT. 73.00 - 78.00
DRILLER STATEWIDE
WELL OWNER RIDGLEY DAVE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-30	BROWN GRAVELLY HARDPAN
3 :	30-70	BROWN SANDY HP
4 :	70-78	BROWN SAND

SITEID 473125121573102 LOCAL NUM. 24N/07E-31G02
LATITUDE 47d31m25s LONGITUDE 121d57m31s
ALTITUDE 1180.00 CONST. DATE 05/18/1988
WELL DEPTH 80.00 HOLE DEPTH 80.00
WATER LEVEL 55.00 W.L. DATE 05/16/1988
SCREEN INT. 75.00 - 80.00
DRILLER STATEWIDE
WELL OWNER WARD, DAVE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	TOPSOIL
2 :	3-30	BROWN CLAY
3 :	30-60	BROWN HARD PAN
4 :	60-80	BROWN SAND

SITEID 473138121555801 LOCAL NUM. 24N/07E-32A01
LATITUDE 47d31m38s LONGITUDE 121d55m58s
ALTITUDE 520.00 CONST. DATE 10/12/1979
WELL DEPTH 205.00 HOLE DEPTH 205.00
WATER LEVEL 40.00 W.L. DATE / /
SCREEN INT. 180.00 - 205.00
DRILLER BERG PUMP
WELL OWNER CRITTENDEN O.D.

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-14	OVERBURDEN SANDY LOAM
2 :	14-80	GRAVEL
3 :	80-82	GRAVEL BOULDERS
4 :	82-96	GRAVEL COBBLE
5 :	96-103	HARD GRAY BASALT
6 :	103-106	COAL
7 :	106-183	HARD BLUE CLAY
8 :	183-186	BROKEN WHITE LIMESTONE & WATER
9 :	186-196	HARD BLUE CLAY AND SHAKSTONE
10 :	196-205	HARD BROKEN BASALT AND WATER

SITEID 473138121563601 LOCAL NUM. 24N/07E-32C01
LATITUDE 47d31m38s LONGITUDE 121d56m36s
ALTITUDE 590.00 CONST. DATE 08/11/1983
WELL DEPTH 197.00 HOLE DEPTH 197.00
WATER LEVEL -10.24 W.L. DATE 08/01/1983
SCREEN INT. 191.00 - 197.00
DRILLER BURAAS D CO
WELL OWNER HOWATSON VERN

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	BROWN LOAM
2 :	3-39	BROWN TILL W COBBLES
3 :	39-46	GRAY DRY GRAVEL
4 :	46-51	GRAY HARD PAN
5 :	51-57	GRAY CLAY WITH BOULDERS
6 :	57-66	GRAY GRAVELY TILL
7 :	66-99	GRAY DRY DENSE GRAVEL
8 :	99-107	BROWN TILL
9 :	102-122	GRAY TILL
10 :	122-133	GRAY CONGLOMERATED GRAVEL
11 :	133-148	GRY MODERATELY DENSE SAND STONE
12 :	148-157	DK GRAY MODERATELY DENSE SANDSTONE
13 :	157-197	DENSE SAND STONE

SITEID 473138121563602 LOCAL NUM. 24N/07E-32C02
LATITUDE 47d31m38s LONGITUDE 121d56m36s
ALTITUDE 620.00 CONST. DATE 01/15/1979
WELL DEPTH 500.00 HOLE DEPTH 500.00
WATER LEVEL 55.00 W.L. DATE 01/15/1979
SCREEN INT. 440.00 - 480.00
DRILLER CIRCLE C DR
WELL OWNER HOWATSON TOM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	1-4	CLAY
2 :	4-12	HARDPAN
3 :	12-15	GRAVEL
4 :	15-20	HARDPAN
5 :	20-26	GRAVEL
6 :	26-60	HARDPAN
7 :	60-70	GRAVEL
8 :	70-85	SOFT ROCK
9 :	85-93	COAL
10 :	93-165	SOFT ROCK
11 :	165-171	COAL
12 :	171-205	SOFT ROCK
13 :	205-209	COAL
14 :	209-285	SOFT ROCK
15 :	285-289	COAL
16 :	289-365	SOFT ROCK
17 :	365-369	COAL
18 :	369-383	SOFT ROCK
19 :	383-473	SOFT ROCK
20 :	473-500	BROKEN HARD ROCK

32C02

SITEID 473138121563603 LOCAL NUM. 24N/07E-32C03
LATITUDE 47d31m38s LONGITUDE 121d56m36s
ALTITUDE 620.00 CONST. DATE 01/24/1978
WELL DEPTH 242.00 HOLE DEPTH 242.00

WATER LEVEL 30.00 W.L. DATE 01/24/1978
SCREEN INT. 66.00 - 242.00
DRILLER JERRY GAINES
WELL OWNER HOWATSON, TOM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-4	TOPSOIL
2 :	4-18	GRAVEL
3 :	18-32	SILT
4 :	32-66	SAND
5 :	66-242	ROCK

SITEID 473138121563604 LOCAL NUM. 24N/07E-32C04
LATITUDE 47d31m38s LONGITUDE 121d56m36s
ALTITUDE 620.00 CONST. DATE 09/01/1979
WELL DEPTH 500.00 HOLE DEPTH 500.00
WATER LEVEL 135.00 W.L. DATE 09/01/1979
SCREEN INT. 475.00 - 495.00
DRILLER BERG PUMP
WELL OWNER HOWATSON TOM

INT NO.	INTVL(FT)	DESCRIPTION
1 :	1-4	CLAY
2 :	4-12	HARDPAN
3 :	12-15	GRAVEL
4 :	15-20	HARDPAN
5 :	20-26	GRAVEL
6 :	26-60	HARDPAN
7 :	60-70	GRAVEL
8 :	70-85	SOFT ROCK
9 :	85-93	COAL
10 :	93-165	SOFT ROCK
11 :	165-171	COAL
12 :	171-205	SOFT ROCK
13 :	205-209	COAL
14 :	209-285	SOFT ROCK
15 :	285-289	COAL
16 :	289-365	SOFT ROCK
17 :	365-369	COAL
18 :	369-383	SOFT ROCK
19 :	383-473	SOFT ROCK
20 :	473-500	BROKEN HARD ROCK

SITEID 473141121565701 LOCAL NUM. 24N/07E-32D01
LATITUDE 47d31m41s LONGITUDE 121d56m57s
ALTITUDE 580.00 CONST. DATE 08/22/1986
WELL DEPTH 320.00 HOLE DEPTH 320.00
WATER LEVEL 80.00 W.L. DATE 08/22/1986
SCREEN INT. 300.00 - 320.00
DRILLER BURAAS D CO
WELL OWNER BLUEMER, CARL

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-1	LOAM
2 :	1-8	BROWN HARDPAN
3 :	8-320	GRAY DENSE ROCK

SITEID 473141121565702 LOCAL NUM. 24N/07E-32D02
LATITUDE 47d31m41s LONGITUDE 121d56m57s
ALTITUDE 670.00 CONST. DATE 09/02/1988
WELL DEPTH 122.00 HOLE DEPTH 122.00
WATER LEVEL 6.00 W.L. DATE 09/02/1988
SCREEN INT. 60.00 - 122.00
DRILLER KRING DRILL
WELL OWNER GOLDBERG, MIKE

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-6	TOPSOIL
2 :	6-15	LARGE BOULDERS
3 :	15-58	ANDICITE
4 :	58-60	FRACTURE W WATER
5 :	60-78	ANDICITE
6 :	78-81	FRACURE W WATER
7 :	81-90	ANDICITE
8 :	90-92	FRACTURE
9 :	92-115	ANDICITE
10 :	115-122	BROKEN ROCK W WATER

SITEID 473141121565703 LOCAL NUM. 24N/07E-32D03
LATITUDE 47d31m41s LONGITUDE 121d56m57s
ALTITUDE 670.00 CONST. DATE 08/20/1980
WELL DEPTH 156.00 HOLE DEPTH 156.00
WATER LEVEL 116.00 W.L. DATE 08/20/1980
SCREEN INT. 117.00 - 150.00
DRILLER BURAAS D CO
WELL OWNER PENDELL, ARTHUR J

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	BROWN LOAM W COBBLES
2 :	3-22	LIGHT BROWN HARDPAN W LARGE COBBLES
3 :	22-28	GRAY SEMI CONGLOMERATED GRAVEL
4 :	28-43	GRAY TILL WITH COBBLES & CLAY MIX
5 :	43-48	BLUE CLAY
6 :	48-55	GRAY TILL
7 :	55-61	BLUE CLAY
8 :	61-88	LT BRN CONGLOMERATED GRAVEL
9 :	88-94	DARK BROWN SAND AND GRAVEL
10 :	94-117	LT BRN CONGLOMERATED GRAVEL
11 :	117-156	LT MILKY GRAY SANDSTONE (MOD DENSE)

SITEID 473127121563601 LOCAL NUM. 24N/07E-32F01
LATITUDE 47d31m27s LONGITUDE 121d56m36s
ALTITUDE 700.00 CONST. DATE 03/07/1983
WELL DEPTH 354.00 HOLE DEPTH 502.00
WATER LEVEL 8.00 W.L. DATE 03/07/1983
DRILLER B J DRILL CO
WELL OWNER POWELL, MAURICE

INT
NO. INTVL(FT) DESCRIPTION

1 :	0-2	BROWN TOPSOIL
2 :	2-11	BROWN CLAY SAND GRAVEL BOULDERS
3 :	11-28	GRAY SHALE SOFT
4 :	28-37	PURPLE SHALE SEMI SOFT
5 :	37-42	PURPLE SHALE, HARD
6 :	42-66	PURPLE SHALE, SEMI SOFT WITH TRH20
7 :	66-502	SHALE VERYING IN COLOR AND TEXTURE

SITEID	473127121563602	LOCAL NUM.	24N/07E-32F02
LATITUDE	47d31m27s	LONGITUDE	121d56m36s
ALTITUDE	700.00	CONST. DATE	02/25/1970
WELL DEPTH	300.00	HOLE DEPTH	300.00
WATER LEVEL	10.00	W.L. DATE	02/25/1970
SCREEN INT.	150.00 - 300.00		
DRILLER	H O MEYER		
WELL OWNER	PENDELL, JAMES		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-16	LARGE BOULDERS & COBBLES
2 :	16-27	LARGE BOULDERS & COBBLES
3 :	27-41	TILL & LARGE COBBLES
4 :	41-44	BOULDERS
5 :	44-50	BOULDERS
6 :	50-56	HARDPAN & COBBLES
7 :	56-67	HARDPAN BOULDERS
8 :	67-68	HARDPAN & BOULDERS
9 :	68-69	HARDPAN & BOULDERS
10 :	69-77	HARDPAN & BOULDERS
11 :	77-85	HARDPAN & BOULDERS
12 :	85-91	HARDPAN & BOULDERS
13 :	91-106	HARDPAN & BOULDERS
14 :	106-128	HARD ROCK SANDSTONE
15 :	128-190	SANDSTONE & HARD LAYER
16 :	190-290	SANDSTONE & HARD LAYER ROCK
17 :	290-300	SANDSTONE & HARD ROCK

SITEID	473127121563603	LOCAL NUM.	24N/07E-32F03
LATITUDE	47d31m27s	LONGITUDE	121d56m36s
ALTITUDE	700.00	CONST. DATE	07/28/1980
WELL DEPTH	340.00	HOLE DEPTH	340.00
WATER LEVEL	84.00	W.L. DATE	07/28/1980
DRILLER	NW PUMP		
WELL OWNER	FLEETWOOD CONSTRUCTION		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-28	GLACIAL TILL BROWN W COBBLES
2 :	28-37	GLACIAL TILL BLUE
3 :	36-37	GLACIAL TILL, BROWN
4 :	37-41	GLACIAL TILL, BLUE
5 :	41-46	SILTY SAND AND GRAVEL, BROWN
6 :	46-54	SILTY SAND AND GRAVEL, BLUE
7 :	54-81	SILTY SAND AND GRAVEL, BROWN
8 :	81-103	SANDSTONE AND GRAVEL, BLUE
9 :	103-340	SAND STONE GREY TO BLACK

SITEID	473126121561601	LOCAL NUM.	24N/07E-32G01
LATITUDE	47d31m26s	LONGITUDE	121d56m16s
ALTITUDE	680.00	CONST. DATE	03/20/1986
WELL DEPTH	145.00	HOLE DEPTH	145.00
WATER LEVEL	15.00	W.L. DATE	03/20/1986
SCREEN INT.	140.00 - 145.00		
DRILLER	B J DRILL CO		
WELL OWNER	MOORE, TOM		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	DARK BROWN TOPSOIL
2 :	3-8	LIGHT BROWN CLAY GRAVEL SAND
3 :	8-17	GRAY CLAY SAND GRAVEL
4 :	17-20	GRAY CLAY BOULDERS GRAVEL SAND
5 :	20-30	GRAY GRAVEL SAND CLAY HARD
6 :	27-33	GRAY SAND CLAY GRAVEL LOOSE
7 :	33-38	GRAY GRAVEL SAND CLAY TRACE H20
8 :	38-112	GRAY SHALE
9 :	112-115	GRAY CLAY WITH STREAKS SAND
10 :	116-135	GRAY CLAY LAYERS WITH SAND
11 :	135-145	SHALE GRAVEL SAND HEAVING WATER
12 :	-	

SITEID	473121121562101	LOCAL NUM.	24N/07E-32G02
LATITUDE	47d31m21s	LONGITUDE	121d56m21s
ALTITUDE	720.00	CONST. DATE	06/04/1984
WELL DEPTH	170.00	HOLE DEPTH	200.00
WATER LEVEL	20.00	W.L. DATE	06/04/1984
SCREEN INT.	70.00 - 155.00		
DRILLER	JOHNSON		
WELL OWNER	POWELL, MAURICE		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	SURFACE
2 :	3-15	BROWN LOAM CLAY
3 :	15-50	LIGHT GRAY SHALE
4 :	50-61	DARK GRAY SHALE
5 :	61-80	LIGHT GRAY SHALE
6 :	80-100	GRAY SHALE SEEPAGE
7 :	100-200	GRAY SHALE

SITEID	473126121555801	LOCAL NUM.	24N/07E-32H01
LATITUDE	47d31m26s	LONGITUDE	121d55m58s
ALTITUDE	520.00	CONST. DATE	01/01/1984
WELL DEPTH	105.00	HOLE DEPTH	105.00
WATER LEVEL	28.00	W.L. DATE	01/10/1984
DRILLER	RICHARDSON		
WELL OWNER	HESS, LEROY		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-2	TOPSOIL
2 :	2-5	CLAY & GRAVEL
3 :	5-7	BOULDERS CLAY & GRAVEL
4 :	7-16	CLAY & GRAVEL

5 :	16-19	SOFT SHALE
6 :	19-36	GRAY GRANITE
7 :	36-42	REDDISH SHALE
8 :	42-85	HARD GRANITE
9 :	85-105	FRACTURED GRANITE W WATER

SITEID	473114121555701	LOCAL NUM.	24N/07E-32J01
LATITUDE	47d31m14s	LONGITUDE	121d55m57s
ALTITUDE	600.00	CONST. DATE	06/00/1976
WELL DEPTH	330.00	HOLE DEPTH	330.00
WATER LEVEL	16.00	W.L. DATE	00/00/0000
SCREEN INT.	130.00 - 330.00		
DRILLER	JERRY GAINES		
WELL OWNER	SMALLWOOD R		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-10	TOPSOIL
2 :	10-60	HARDPAN
3 :	60-80	SILT
4 :	80-130	HARDPAN
5 :	130-330	ROCK

SITEID	473100121561601	LOCAL NUM.	24N/07E-32Q01
LATITUDE	47d31m00s	LONGITUDE	121d56m16s
ALTITUDE	980.00	CONST. DATE	06/22/1988
WELL DEPTH	38.00	HOLE DEPTH	285.00
WATER LEVEL	0.00	W.L. DATE	00/00/0000
SCREEN INT.	38.00 - 285.00		
DRILLER	OELKE D CO		
WELL OWNER	MC CLELLAND DOUG		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-3	FILL BRN TILL W WOOD
2 :	8-38	BOULDERS & TIGHT GRAVEL
3 :	38-	GRAY BED ROCK

SITEID	473100121561602	LOCAL NUM.	24N/07E-32Q02
LATITUDE	47d31m00s	LONGITUDE	121d56m16s
ALTITUDE	980.00	CONST. DATE	04/06/1987
WELL DEPTH	173.00	HOLE DEPTH	183.00
WATER LEVEL	31.00	W.L. DATE	04/06/1987
SCREEN INT.	63.00 - 72.00		
DRILLER	ALPINE WELL		
WELL OWNER	WESTMAN, JOHN		

INT NO.	INTVL(FT)	DESCRIPTION
1 :	0-15	TOPSOIL GRAVELLY
2 :	15-60	SANDSTONE GRAY
3 :	60-183	BASALT, WITH SOME CLAY

File Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Application No. [redacted]

Permit No. ....

(1) OWNER: Name John Kelly Address 7212 [illegible]

(2) LOCATION OF WELL: County King SW ¼ SE ¼ NE ¼ Sec. 25 T. 24 N., R. 5 W.M.

...ng and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☑ Industrial ☐ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well (if more than one)....

New well ☑ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☑ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

(5) DIMENSIONS: Diameter of well 6 inches.
Drilled 54 ft. Depth of completed well 54 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 6 " Diam. from 0 ft. to 54 ft.
Threaded ☐ " Diam. from ft. to ft.
Welded ☑ " Diam. from ft. to ft.

Perforations: Yes ☐ No ☑
Type of perforator used
SIZE of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

Screens: Yes ☑ No ☐
Manufacturer's Name Cook
Type Stainless Steel Model No.
Diam. 6 Slot size 17 from 49 ft. to 54 ft.
Diam. Slot size from ft. to ft.

Gravel packed: Yes ☐ No ☑ Size of gravel:
Gravel placed from ft. to ft.

Surface seal: Yes ☑ No ☐ To what depth? 18 ft.
Material used in seal Bentonite
Did any strata contain unusable water? Yes ☐ No ☑
Type of water? Depth of strata
Method of sealing strata off

(7) PUMP: Manufacturer's Name
Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level.... 89 ft.
Static level 6 ft. below top of well Date 6-29-82
Artesian pressure lbs. per square inch Date
Artesian water is controlled by (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is lowered below static level
Was a pump test made? Yes ☐ No ☒ If yes, by whom?
Yield: gal./min. with ft. drawdown after hrs.
" " " "
" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

Date of test
Bailer test 28 gal./min. with 28 ft. drawdown after 2 hrs.
Artesian flow g.p.m. Date
Temperature of water Was a chemical analysis made? Yes ☐ No ☒

(10) WELL LOG:

Formation: *Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.*

MATERIAL	FROM	TO
Brown Top soil	0	6
Blue Silty Clay	6	17
Green Clay w/Rocks	17	20
Green Sand, gravel, cemented	20	27
Blue Silty Clay	27	35
Sand, gravel, Rock, Cemented	35	41
Blue Clay, sand, gravel, cemented	41	43
Sand, gravel, Rock, water	43	53
Brown Sand, gravel, Cemented	53	54

#11

RECEIVED JUL 1 1982 DEPARTMENT OF ECOLOGY REGION

Work started 6-23, 19 82 Completed 6-29, 19 82

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME B & J Drilling Co 392-3520
(Person, firm, or corporation) (Type or print)

Address 9026 38th Ave SW. Seattle

[Signed] [illegible] (Well Driller)

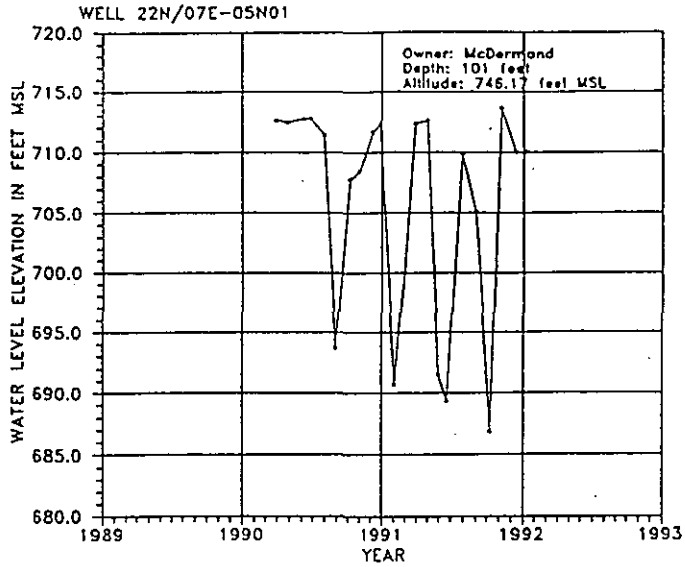
License No. 1053 Date 7/2, 19 82

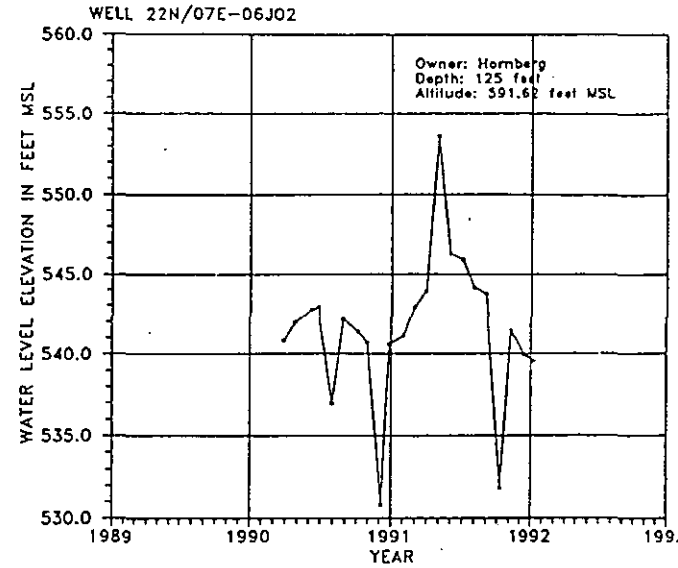
0071

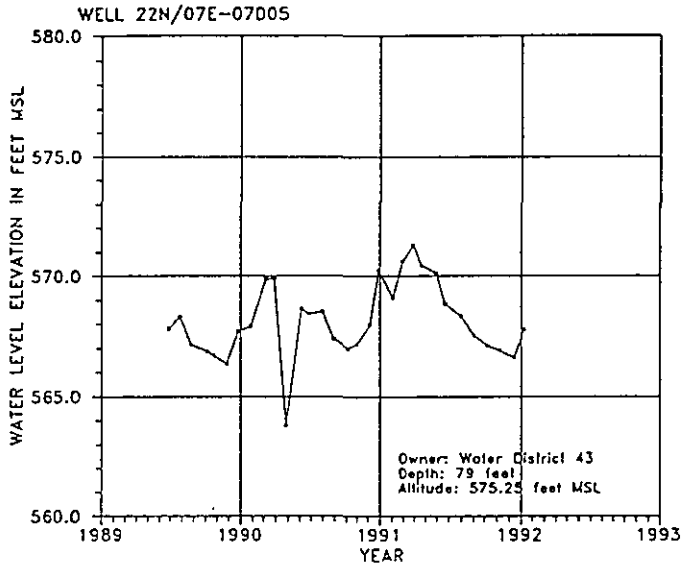
(USE ADDITIONAL SHEETS IF NECESSARY)

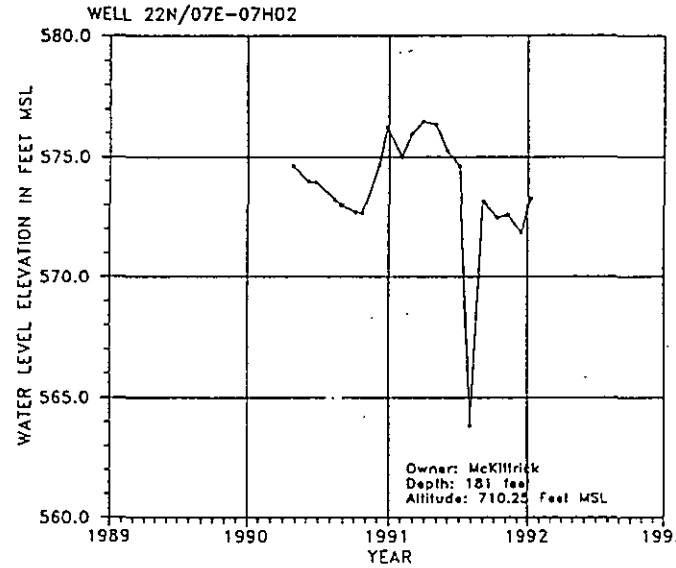
ECY 050-1-20

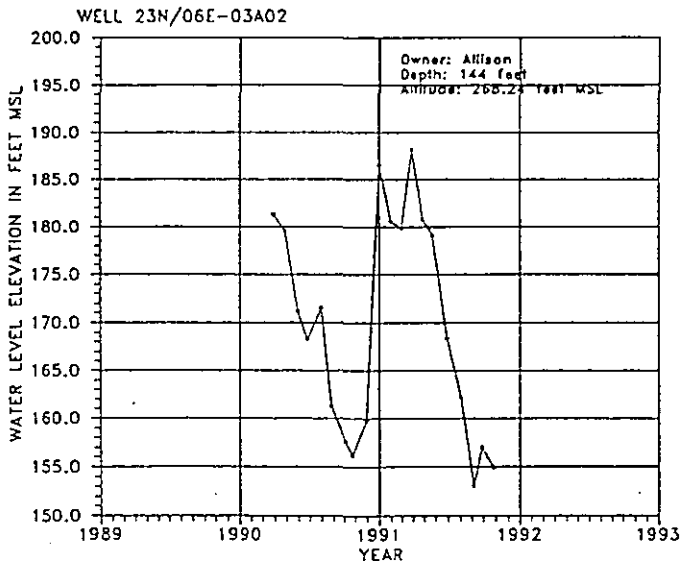
Figure 2.7A - Water Level Trend
Issaquah Ground Water Management Program











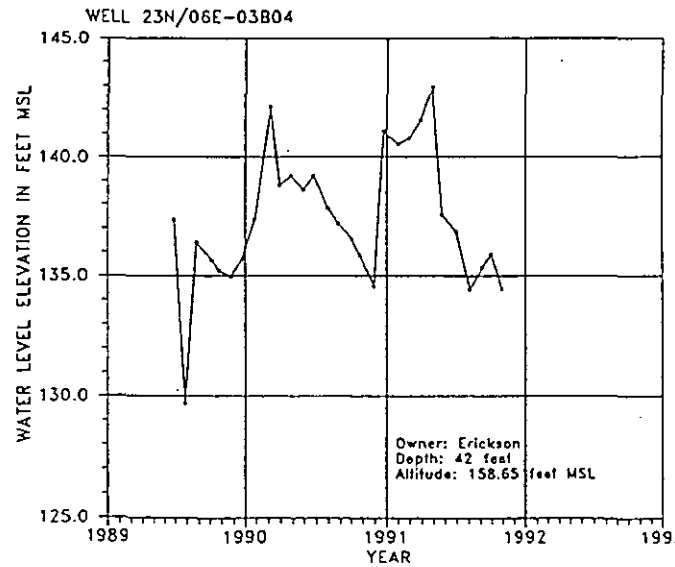
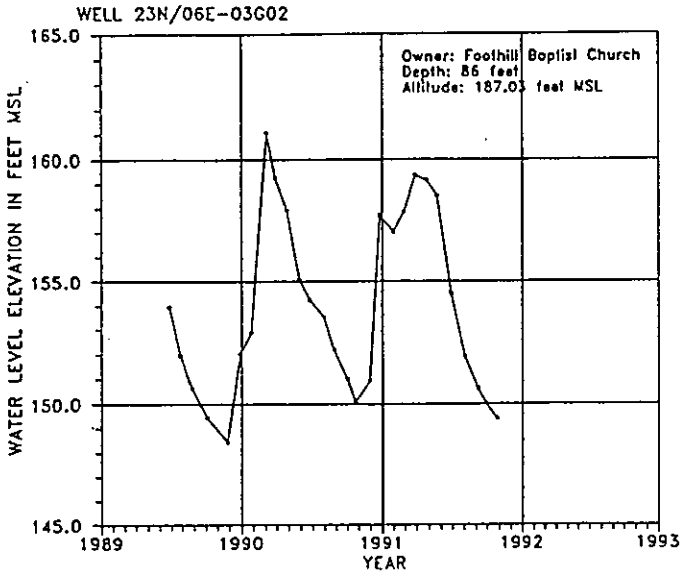
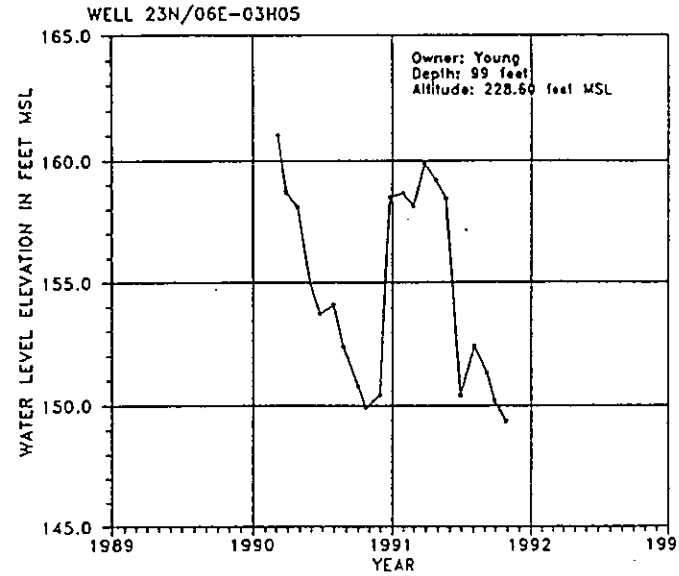
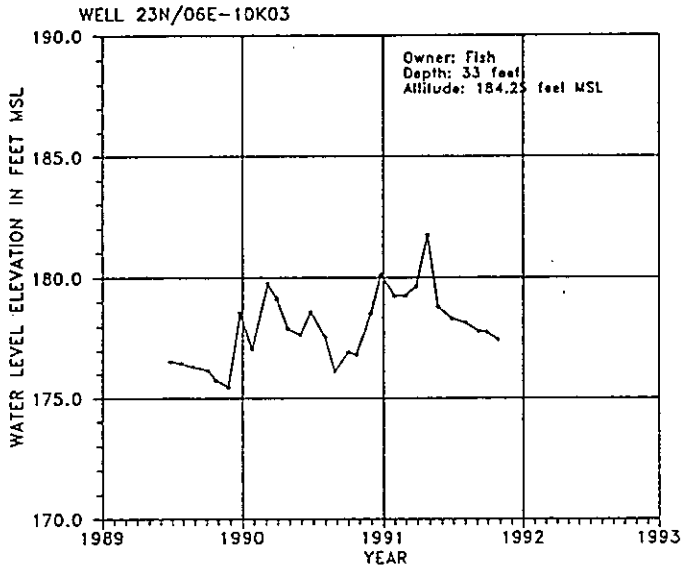
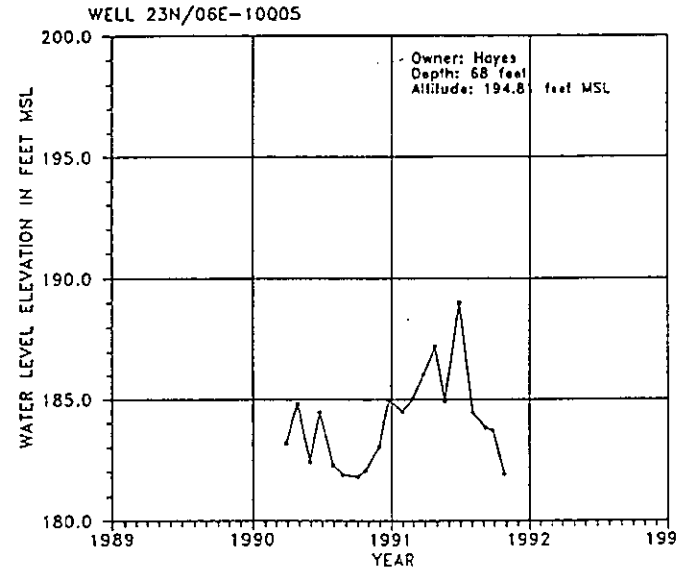


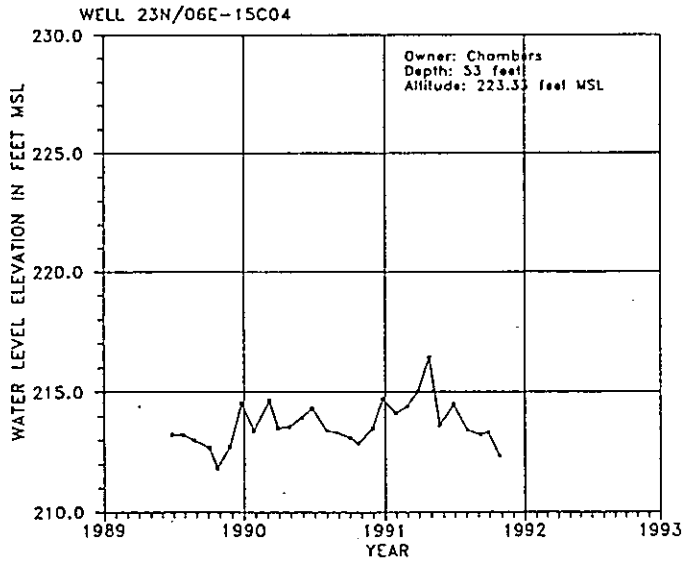
Figure 2.7B - Water Level Trend
Issaquah Ground Water Management Program











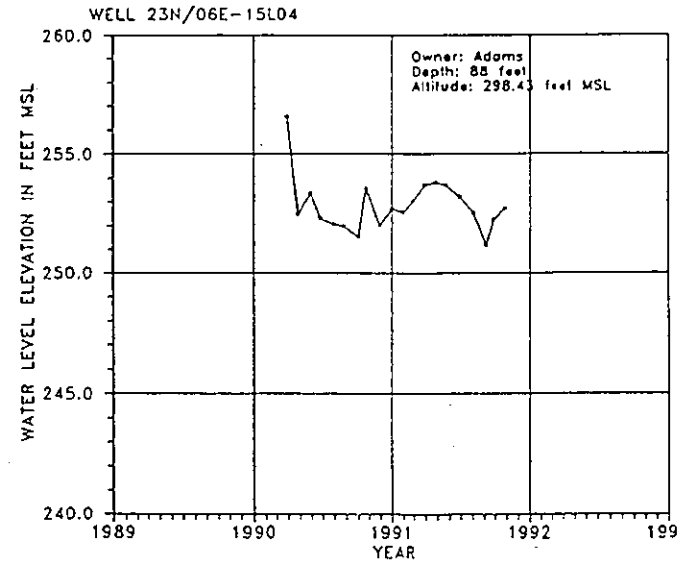
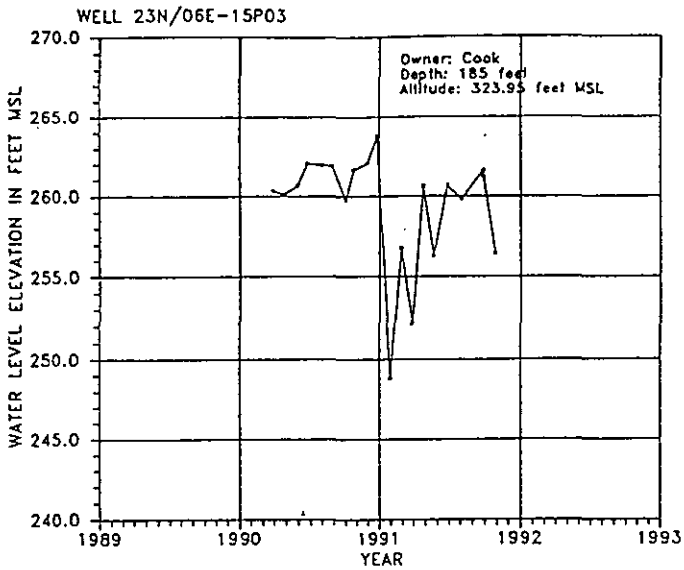
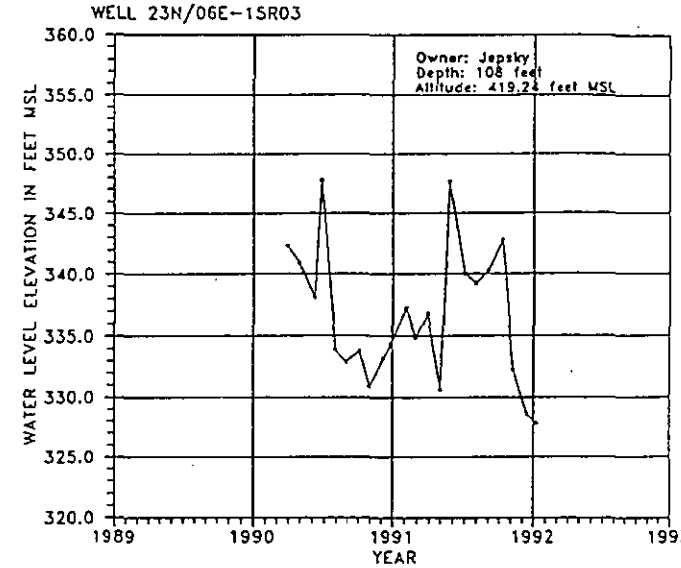
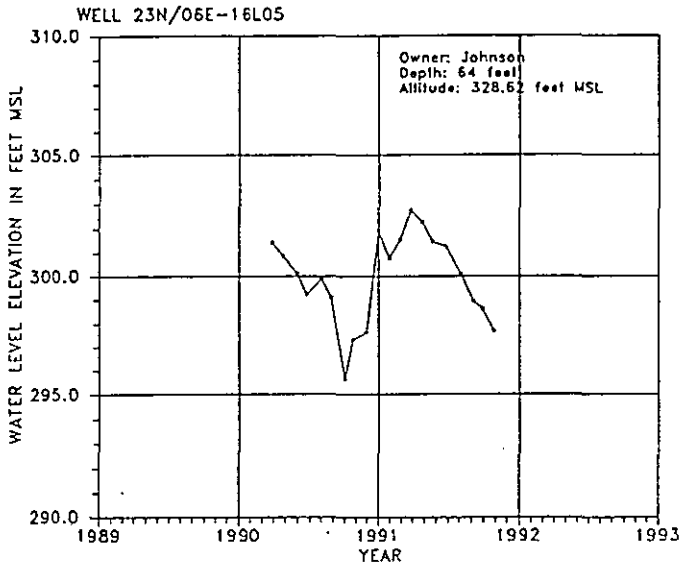
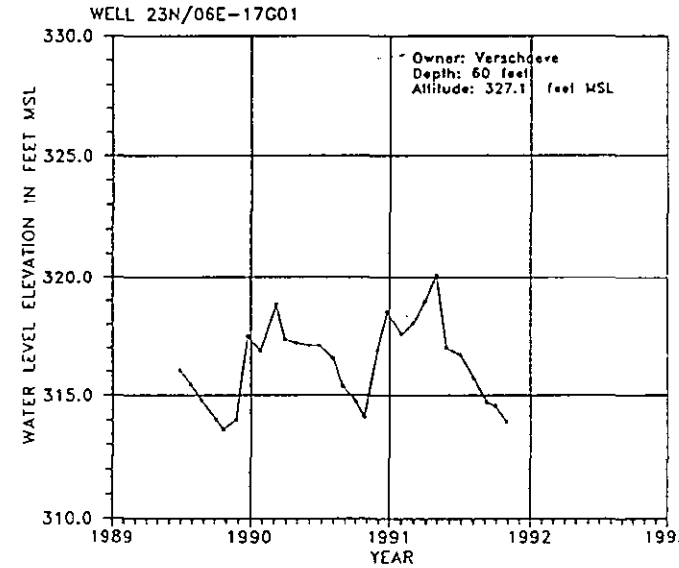


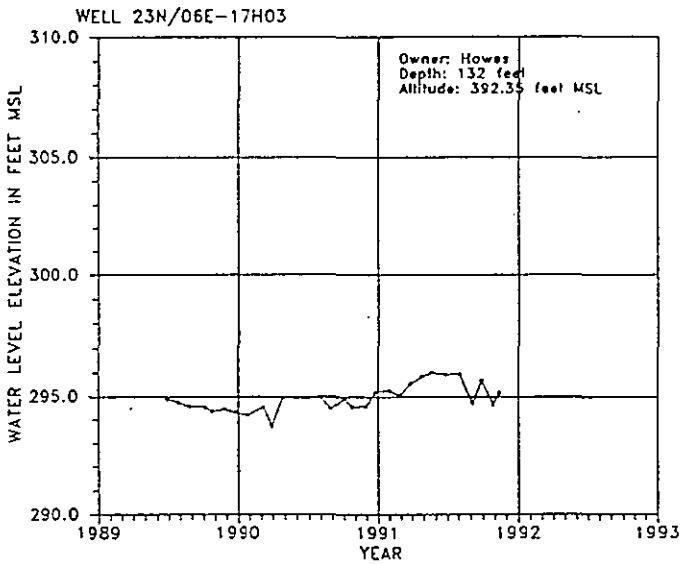
Figure 2.7C - Water Level Trend
Issaquah Ground Water Management Program











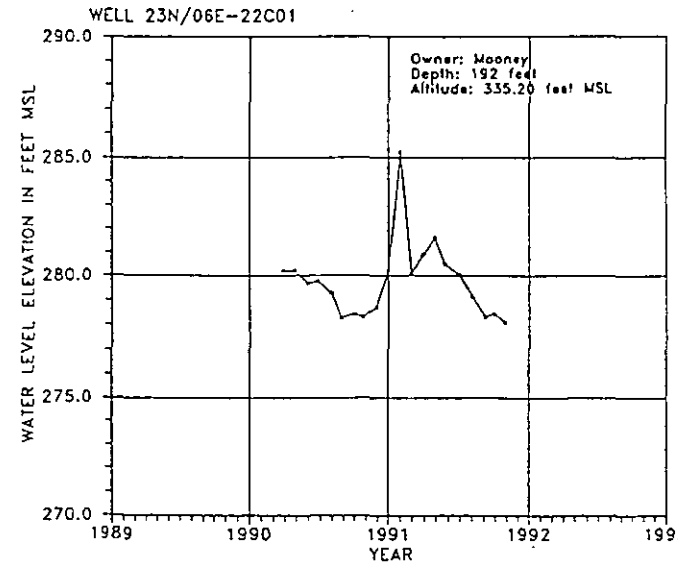
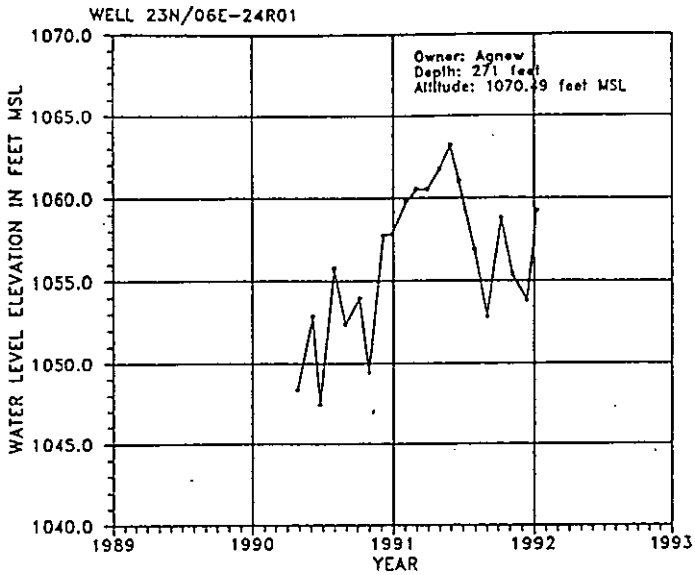
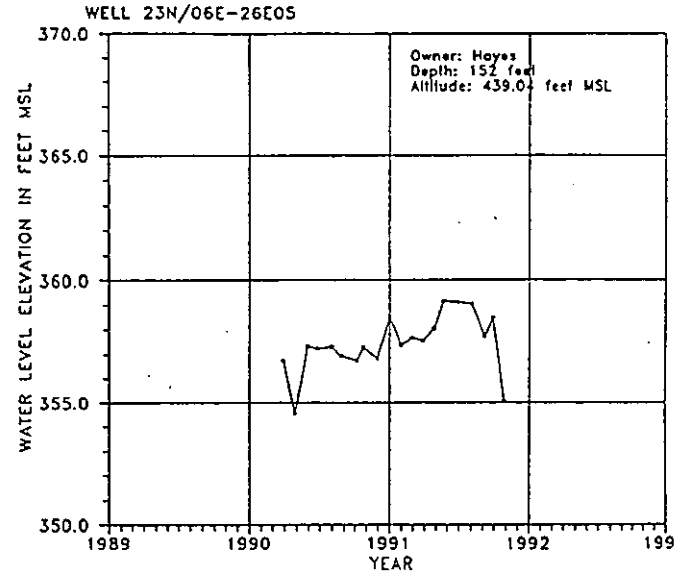
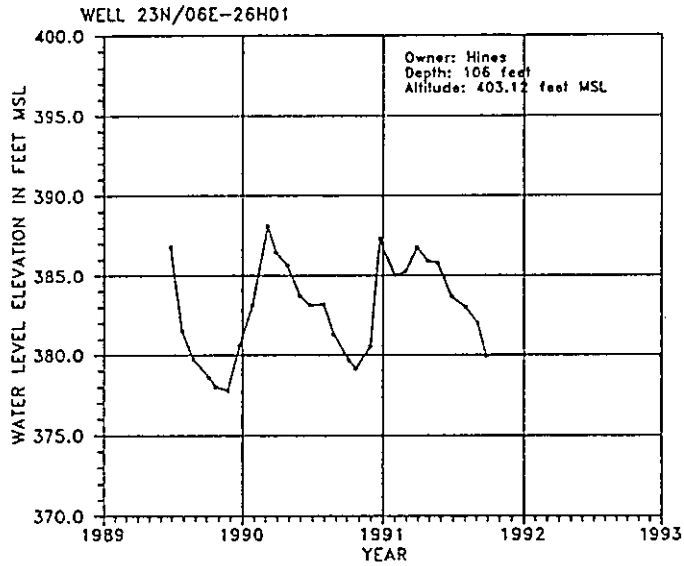


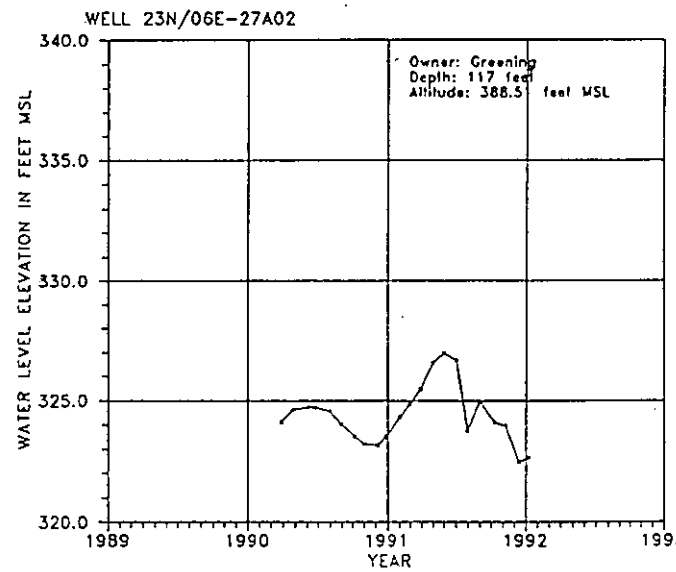
Figure 2.7D - Water Level Trend

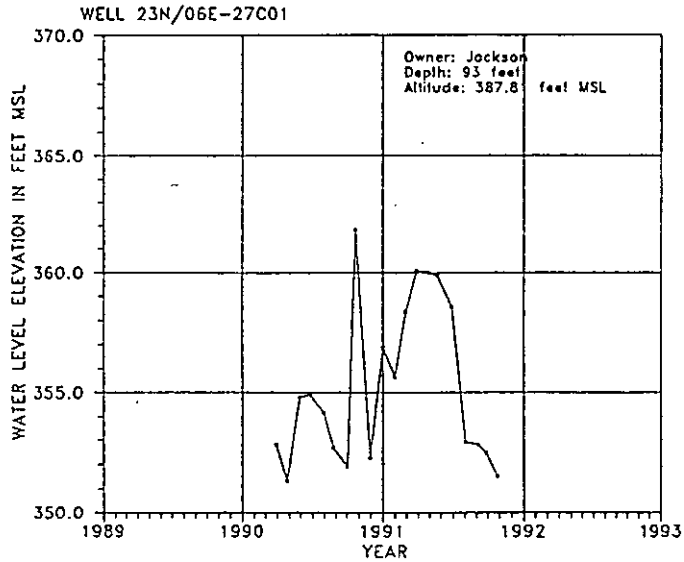
Issaquah Ground Water Management Program











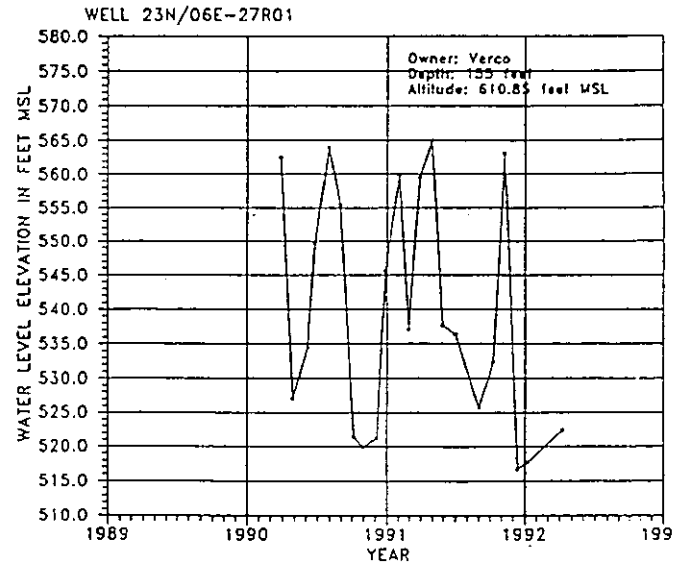
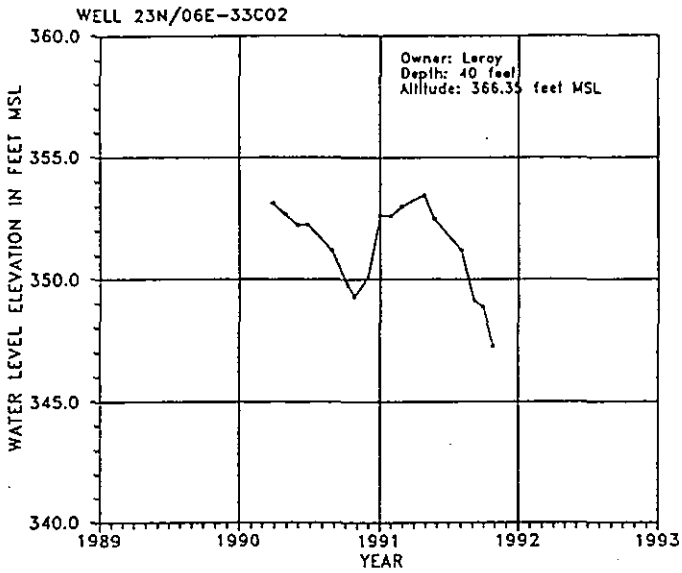
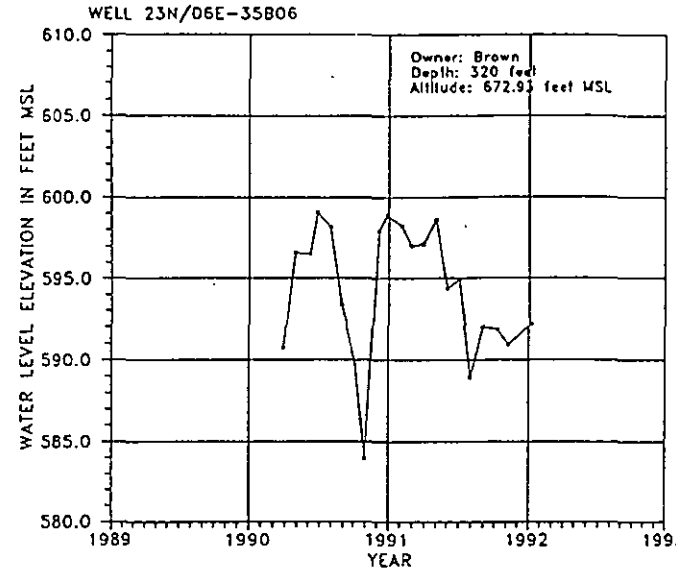
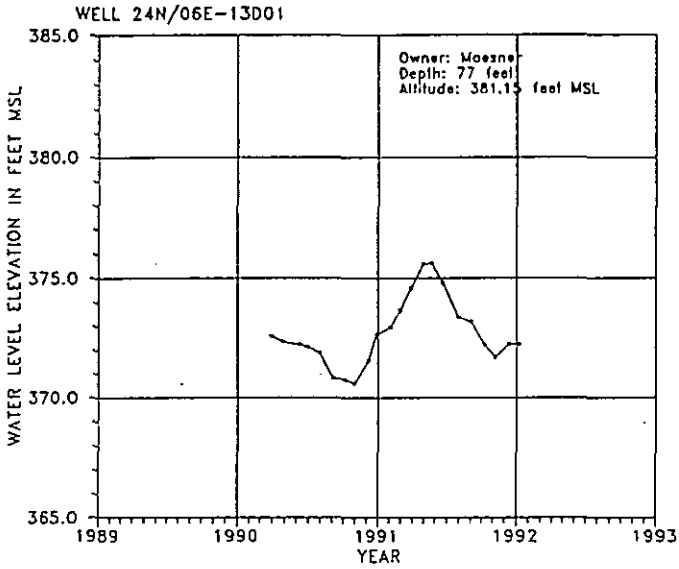
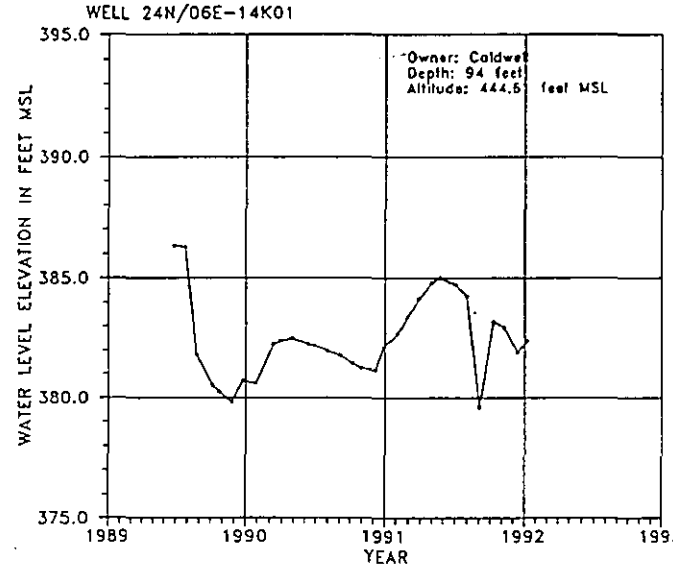


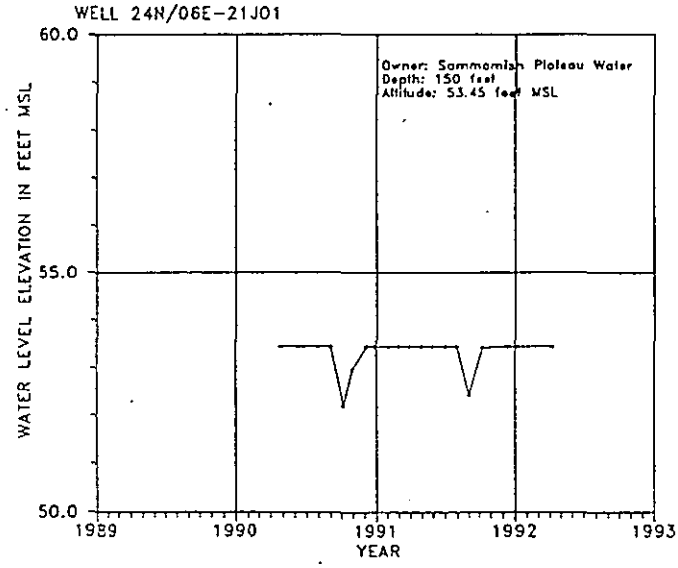
Figure 2.7E - Water Level Trend
Issaquah Ground Water Management Program











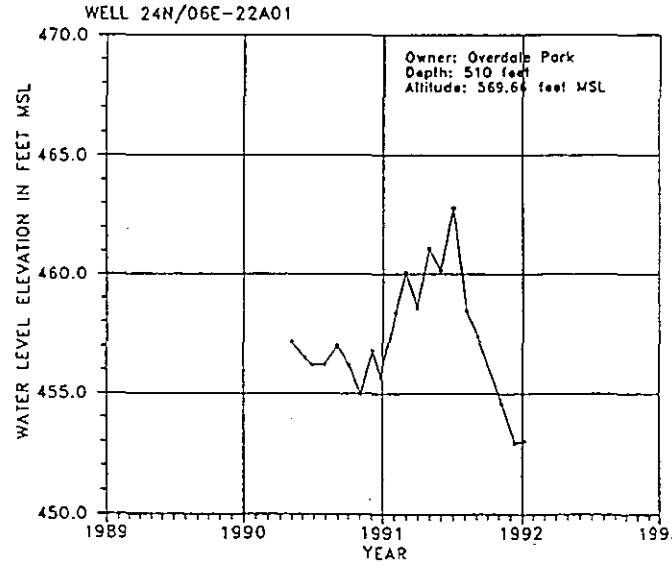
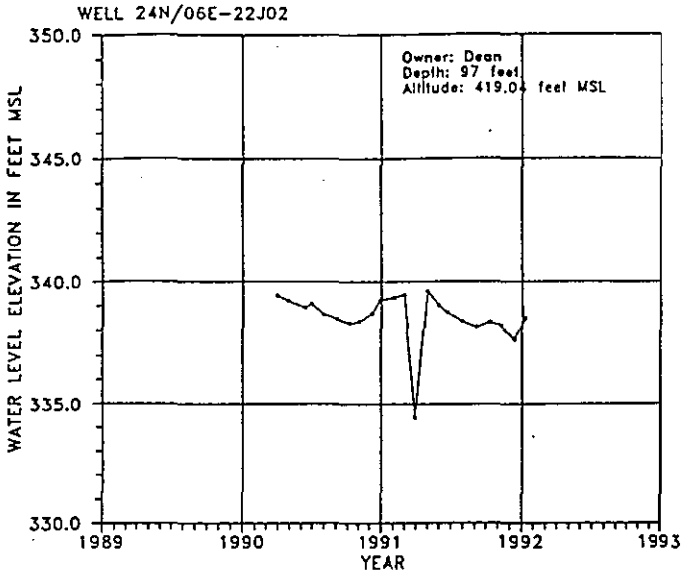
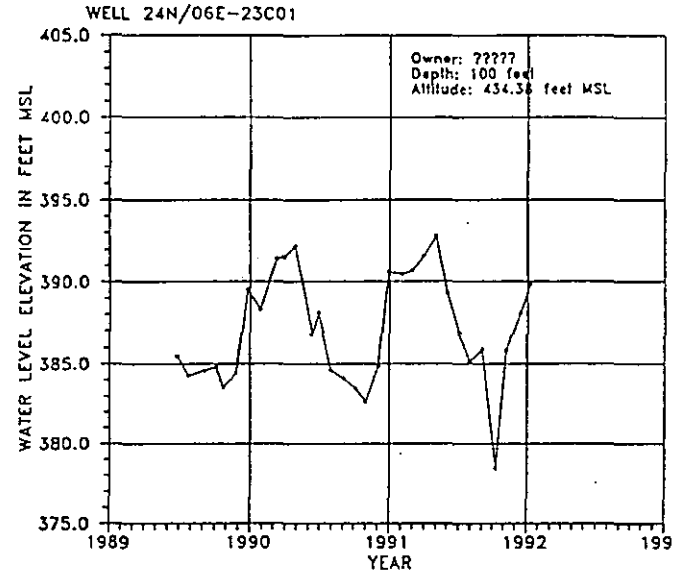
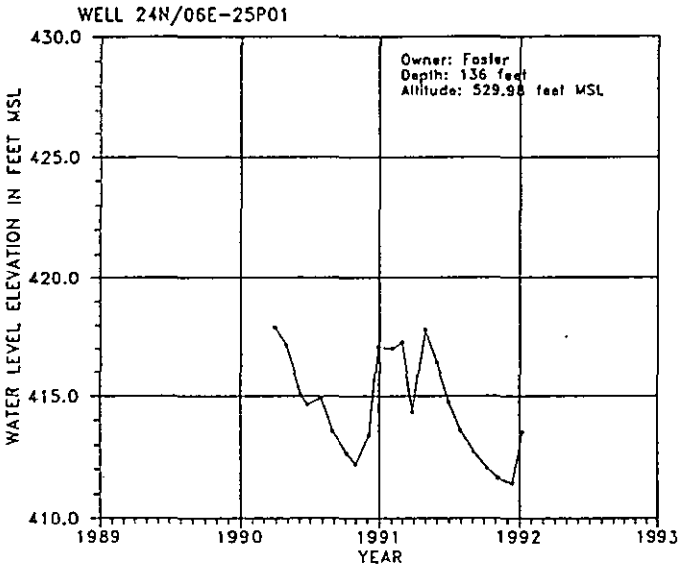
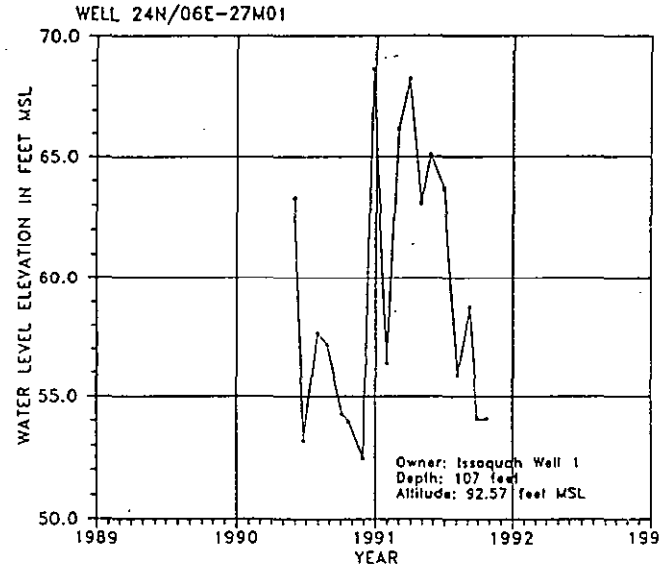


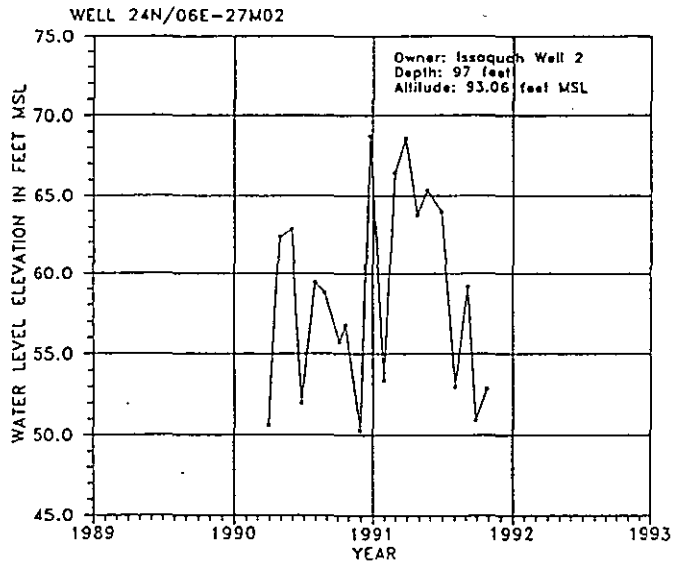
Figure 2.7F - Water Level Trend
Issaquah Ground Water Management Program











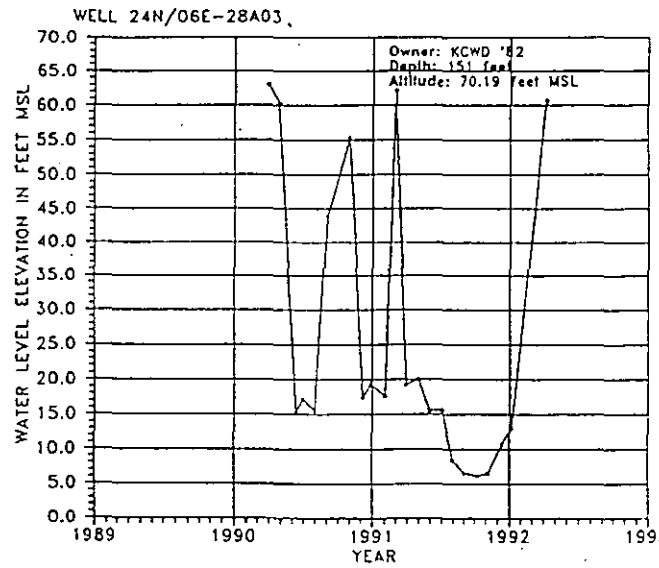
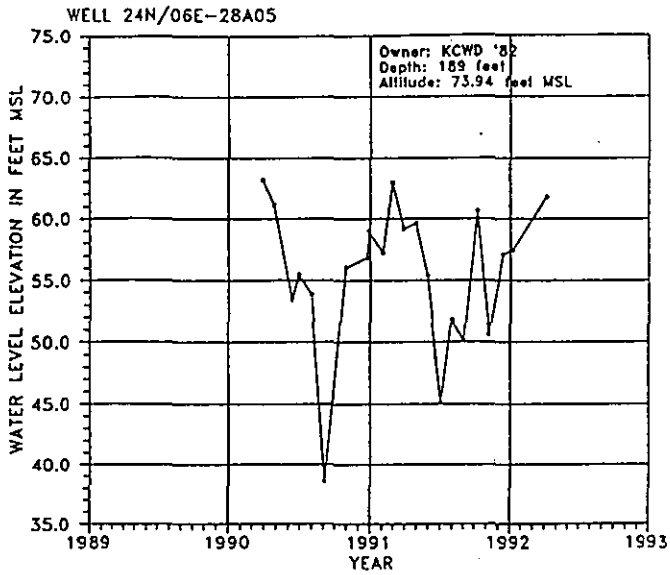
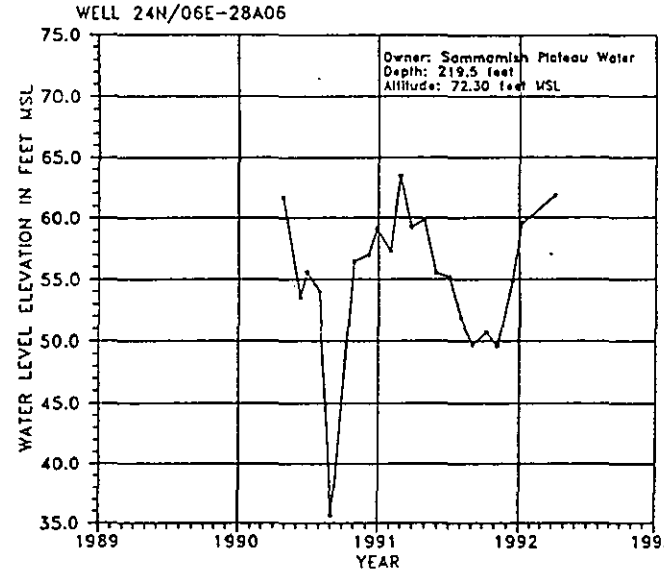
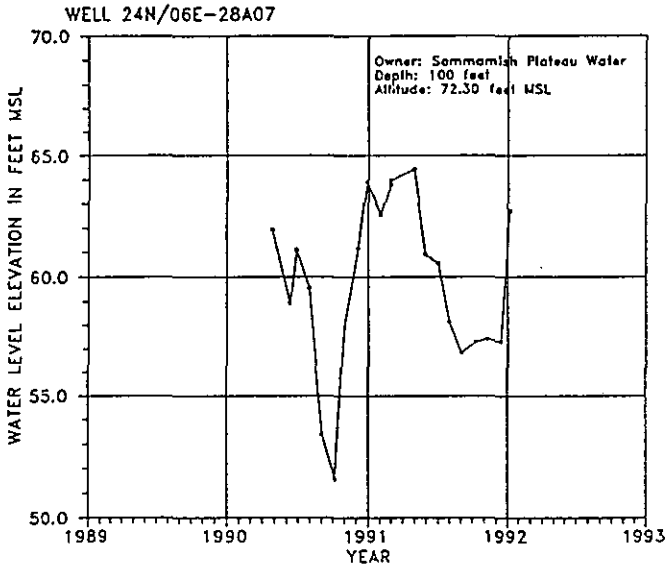
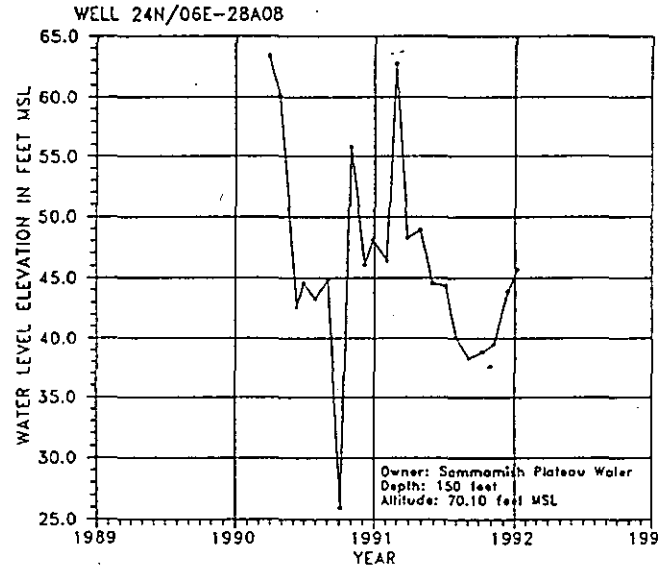


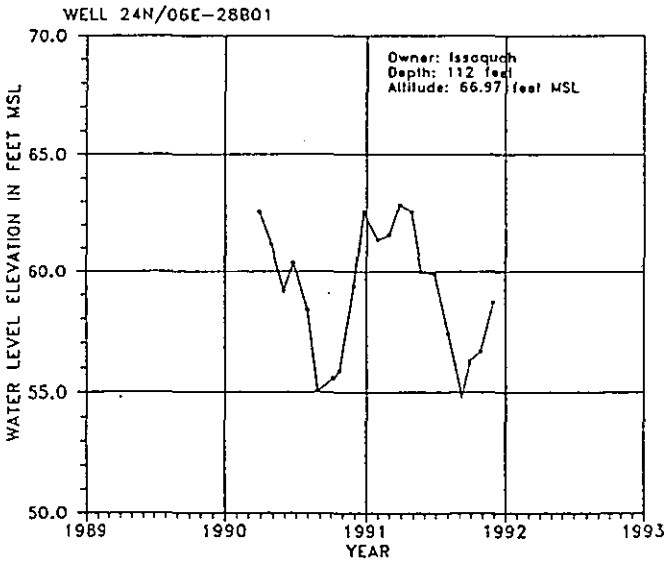
Figure 2.7G - Water Level Trend
Issaquah Ground Water Management Program











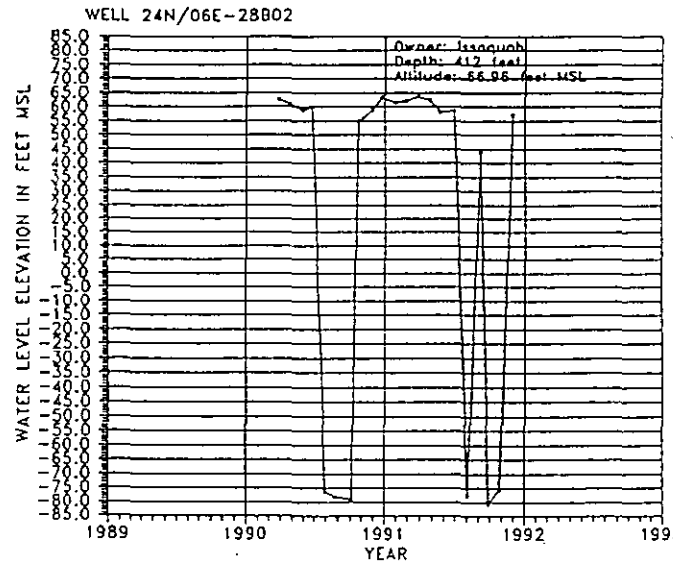
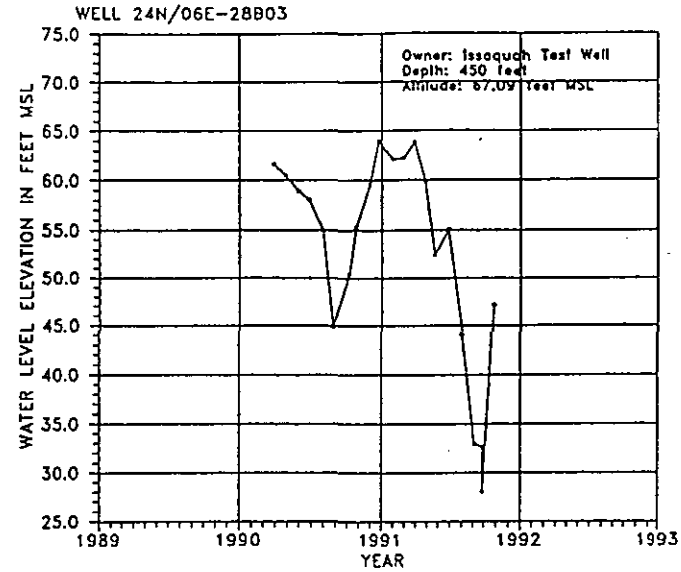
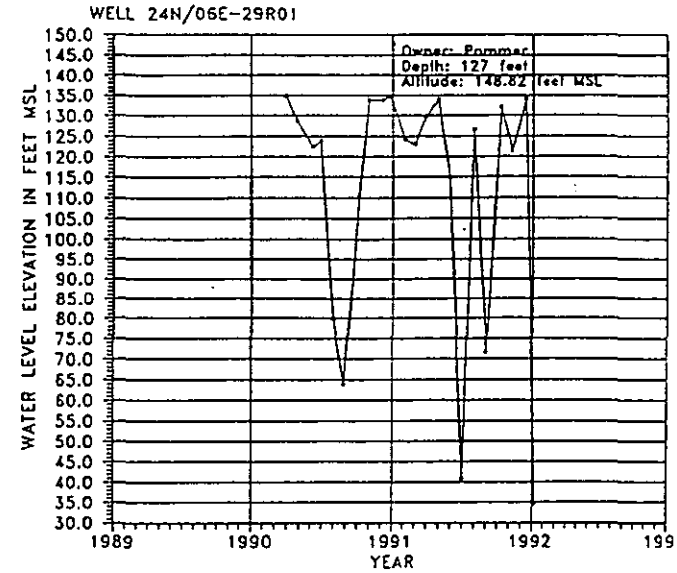
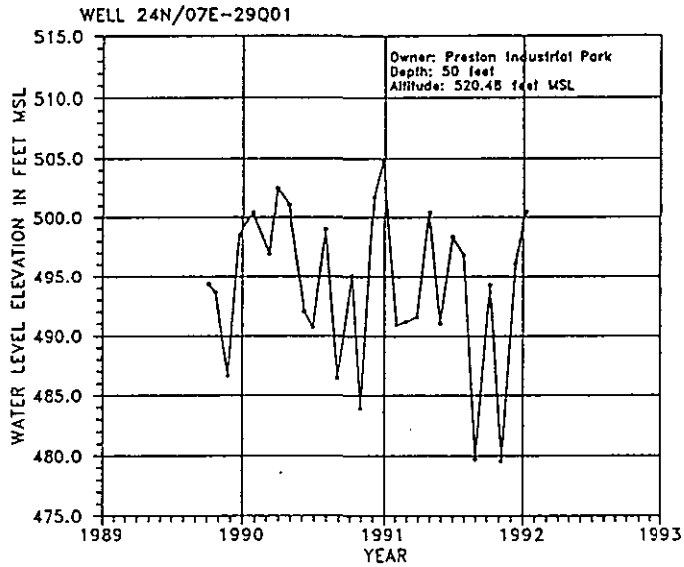
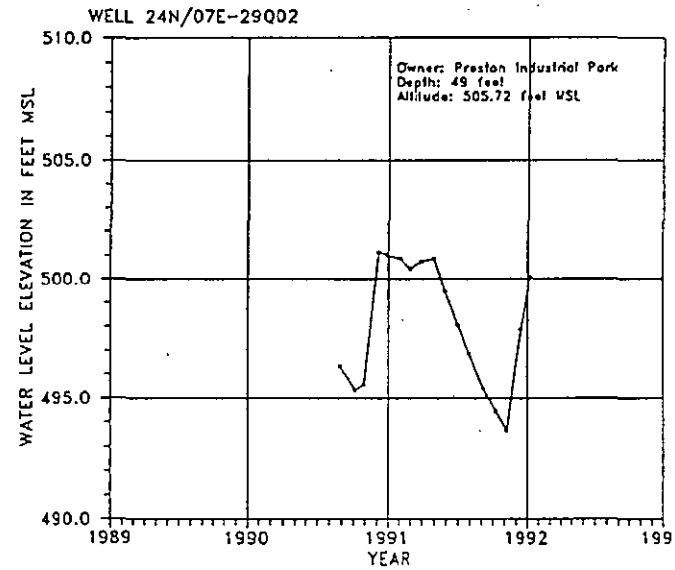


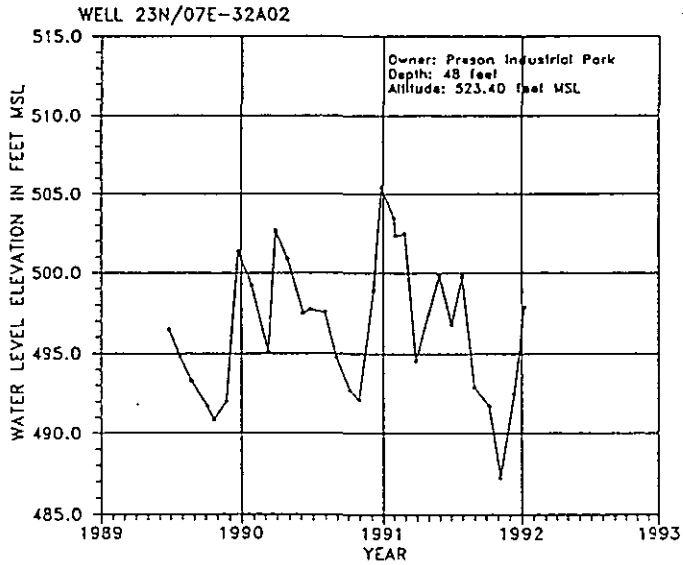
Figure 2.7H - Water Level Trend
Issaquah Ground Water Management Program

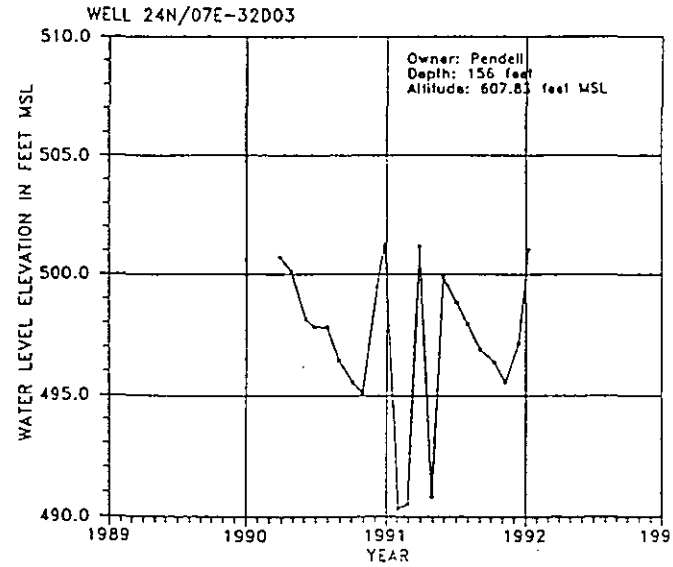












Original and First Copy with Department of Ecology
Copy — Owner's Copy
Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 6788

29Q02

Water Right Permit No.

OWNER: Name Preston Industrial Park Water System Address Preston, WA

LOCATION OF WELL: County King SE ¼ SW ¼ Sec. 29 T. 24 N., R. 7E W.M.

STREET ADDDRESS OF WELL (or nearest address)

PROPOSED USE: [X] Domestic [X] Industrial [ ] Municipal [ ] Irrigation [ ] Test Well [ ] Other [ ] DeWater

TYPE OF WORK: Owner's number of well (if more than one) 3

Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ]

Method: Dug [ ] Cable [X] Rotary [ ] Bored [ ] Driven [ ] Jetted [ ]

DIMENSIONS: Diameter of well 8 inches.

Drilled 49 feet. Depth of completed well 49 ft.

CONSTRUCTION DETAILS:

Casing installed: 8 " Diam. from 0 ft. to 43.5 ft.

Welded [X] " Diam. from ft. to ft.

Liner installed [ ] Threaded [ ] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]

Type of perforator used

SIZE of perforations in. by in.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

Screens: Yes [X] No [ ]

Manufacturer's Name Johnson

Type Stainless Steel Model No. 8Tele

Diam. 8 Slot size .040 from 43.5 ft. to 48.5 ft.

Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel

Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 20 ft.

Material used in seal Bentonite

Did any strata contain unusable water? Yes [ ] No [X]

Type of water? Depth of strata

Method of sealing strata off

(9) PUMP: Manufacturer's Name

Type: H.P.

(8) WATER LEVELS: Land-surface elevation above mean sea level 500 ft.

Static level 9.87 ft. below top of well Date 7/18/89

Artesian pressure lbs. per square inch Date

Artesian water is controlled by (Cap, valve, etc.)

(7) WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes [X] No [ ] If yes, by whom? Carr/Assoc

Yield 150 gal./min. with 9.2 ft. drawdown after 24 hrs.

" " " "

" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1	11.29	15	10.60	45	10.30
5	10.93	20	10.52	94	10.15
10	10.74	30	10.40	150	10.10

Date of test 7/18 - 19/89

Bailer test gal./min. with ft. drawdown after hrs.

Airlift gal./min. with stem set at ft. for hrs.

Artesian flow g.p.m. Date

Temperature of water 47.75 degrees Was a chemical analysis made? Yes [X] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Fill, Sand, Silt Pebbles	0	6
Clay, Brown, Silty	6	9
Till, Gravel, Clay	9	17
Sand, Gravel, Water	17	21
Clay, Silty, Yellow, Brown	21	23
Sand, Gravel, Water	23	32
Sand, Gravel, Silt	32	39
Sand, Gravel, Silt binder	39	43
Gravel, Sand, Water	43	49

Work started 2-27-89, 19. Completed 7-19, 19 89

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Burt Well Drilling, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 19782 NE Lincoln Rd. Poulsbo, WA 98370

(Signed) [signature] (WELL DRILLER) License No. 0048

Contractor's Registration No. BURTWI*922BU Date 8-21, 19 89

(USE ADDITIONAL SHEETS IF NECESSARY)

Original and First Copy with Department of Ecology
Second Copy — Owner's Copy
Third Copy — Driller's Copy

WATER WELL REPORT

STATE OF WASHINGTON

Start Card No. 6788

Water Right Permit No. G-23272

OWNER: Name Preston Industrial Park Water Sys Address Preston, WA

LOCATION OF WELL: County King NE ¼ NE ¼ Sec. 32 T. 24 N., R. 7E W.M.

STREET ADDDRESS OF WELL (or nearest address) 32 A02

PROPOSED USE: [X] Domestic [ ] Irrigation [ ] DeWater Industrial [X] Test Well [ ] Municipal [ ] Other [ ]

TYPE OF WORK: Owner's number of well (if more than one) 1R

Abandoned [ ] New well [X] Deepened [ ] Reconditioned [ ] Method: Dug [ ] Cable [X] Rotary [ ] Bored [ ] Driven [ ] Jetted [ ]

DIMENSIONS: Diameter of well 8 inches.

Drilled 83 feet. Depth of completed well 48 ft.

CONSTRUCTION DETAILS:

Casing installed: 8" Diam. from 0 ft. to 41 ft.

Welded [X] Liner installed [ ] Threaded [ ] " Diam. from ft. to ft.

Perforations: Yes [ ] No [X]

Type of perforator used

SIZE of perforations in. by in.

perforations from ft. to ft.

perforations from ft. to ft.

perforations from ft. to ft.

Screens: Yes [X] No [ ]

Manufacturer's Name Johnson

Type Stainless Steel Model No. 8Tele.

Diam. 8 Slot size .050 from 41 ft. to 46 ft.

Diam. Slot size from ft. to ft.

Gravel packed: Yes [ ] No [X] Size of gravel

Gravel placed from ft. to ft.

Surface seal: Yes [X] No [ ] To what depth? 18 ft.

Material used in seal Bentonite

Did any strata contain unusable water? Yes [ ] No [X]

Type of water? Depth of strata

Method of sealing strata off

PUMP: Manufacturer's Name

Type: H.P.

WATER LEVELS: Land-surface elevation above mean sea level 520 ft.

Static level 22.62 ft. below top of well Date 3/8/89

Artesian pressure lbs. per square inch Date

Artesian water is controlled by (Cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? Yes [X] No [ ] If yes, by whom? Carr/Assoc

Yield: 60 gal./min. with 15 ft. drawdown after 24 hrs.

" " " "

" " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
1	25.56	20	22.50		
5	22.62	30	22.47		
10	22.55	40	22.47		

Date of test 3/8 - 9/89

Bailer test gal./min. with ft. drawdown after hrs.

Artesian gal./min. with stem set at ft. for hrs.

Artesian flow g.p.m. Date

Temperature of water 49 Was a chemical analysis made? Yes [X] No [ ]

(10) WELL LOG or ABANDONMENT PROCEDURE DESCRIPTION

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information.

MATERIAL	FROM	TO
Clay, Brown, Sandy	0	13
Gravel, Sand, Brown, Silty	13	39
Gravel, Sand, Water	39	49
Gravel, Cobbles, Sand	49	71
Brown-Yellow Clay binder	-	-
Gravel, Sand, Gray Clay binder	71	83

Work started 1-24, 19. Completed 3-9, 19 89

WELL CONSTRUCTOR CERTIFICATION:

I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

NAME Burt Well Drilling, Inc. (PERSON, FIRM, OR CORPORATION) (TYPE OR PRINT)

Address 19782 NE Lincoln Rd. Poulsbo, WA 98370

(Signed) Gerald Burt (WELL DRILLER) License No. 0048

Contractor's Registration No. BURT941422BU Date 5-21, 19 89

(USE ADDITIONAL SHEETS IF NECESSARY)

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WATER WELL REPORT

STATE OF WASHINGTON

P-1

Application No. GL-22949

Permit No. GL-22949P

...N King County Address Rm 500, 500 Fifth Ave. Seattle 98104

...ON OF WELL: County King NE¼ NW ¼ NE ¼ Sec. 28 T. 23 N., R. 6 W.M.

...nce from section or subdivision corner 1600' west of & 40' south of NE corner Sec 28-23-6

...ED USE: Domestic ☒ Industrial ☒ Municipal ☐ Irrigation ☐ Test Well ☐ Other ☐

...F WORK: Owner's number of well (if more than one) ....

New well ☐ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☒ Driven ☐
Reconditioned ☐ Rotary ☐ Jetted ☐

...IONS: Diameter of well 8" CSG inches.
347 ft. Depth of completed well 347 ft.

...RUCTION DETAILS:

...installed: 8" Diam. from 0 ft. to 337 ft.
...ded ☐ " Diam. from ft. to ft.
...lded ☒ " Diam. from ft. to ft.

...tions: Yes ☐ No ☒
...e of perforator used
...E of perforations in. by in.
perforations from ft. to ft.
perforations from ft. to ft.
perforations from ft. to ft.

...: ☒ No ☐
...nufacturer's Name Johnson
...pe 8" NOM Model No.
...am. 8 Slot size 40/1000 337 ft. to 347 ft.
...am. Slot size from ft. to ft.

...packed: Yes ☐ No ☒ Size of gravel:
...avel placed from ft. to ft.

...e seal: Yes ☒ No ☐ To what depth? ft.
...aterial used in seal Conc.
...d any strata contain unusable water? Yes ☐ No ☒
...pe of water? Depth of strata
...ethod of sealing strata off

...: Manufacturer's Name Pleuger
...pe: Submersive deep-turbine 15

...ER LEVELS: Land-surface elevation above mean sea level 615 ft.
314 ft. below top of well Date 1966
...sure lbs. per square inch Date
...rtesian water is controlled by (Cap, valve, etc.)

...L TESTS: Drawdown is amount water level is lowered below static level
...test made? Yes ☒ No ☐ If yes, by whom J. Robinson
35 gal./min. with 3 ft. drawdown after ¼ hrs.
" 4 " ½ "
" " "

...a (time taken as zero when pump turned off) (water level ... well top to water level)

...Level	Time	Water Level	Time	Water Level
...ast 314				

...test 1966
... gal./min. with ft. drawdown after hrs.
... g.p.m. Date
... chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
See attached report by John Robinson		
HARDPAN — TILL	0	273
DIRTY SAND & GRAVEL.	273	295
DIRTY SAND + SILT	295	315
HARDPAN — GRAVELY GRAY	315	321
SAND & GRAVEL — WATER BEARING	321	337
SAND & GRAVEL — ORGANIC SILT.	337	347

Work started 5-11-66 Completed 19

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME H D Meyer Drilling Company
(Person, firm, or corporation) (Type or print)

Address 6424 Lake Washington Blvd NE Kirkla... 98033

[Signed] (Well Driller)

License No. Date 19

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WATER WELL REPORT
STATE OF WASHINGTON

Application No.
Permit No.

HARRY K. LeROY Address 11401 Cornell Ave. So., Seattle, WA

F WELL: County KING ~~SE~~ ¼ ~~NE~~ ¼ Sec. ~~32~~ T 23 N., R. 6 W.M.
33C02

m section or subdivision corner

SE: Domestic ☒ Industrial ☐ Municipal ☐
Irrigation ☐ Test Well ☐ Other ☐

RK: Owner's number of well (If more than one)....
ew well ☒ Method: Dug ☐ Bored ☐
eepened ☐ Cable ☐ Driven ☐
econditioned ☐ Rotary ☒ Jetted ☐

: Diameter of well 6 inches.
.....ft. Depth of completed well 40 ft.

ION DETAILS:
ed: 6 " Diam. from 0 ft. to 40 ft.
..... " Diam. from ..... ft. to ..... ft.
(..... " Diam. from ..... ft. to ..... ft.

Yes ☐ No ☒
forator used.....
rforations ..... in. by ..... in.
perforations from ..... ft. to ..... ft.
perforations from ..... ft. to ..... ft.
perforations from ..... ft. to ..... ft.

☐ No ☒
rer's Name.....
..... Model No.....
..... Slot size ..... from ..... ft. to ..... ft.
..... Slot size ..... from ..... ft. to ..... ft.

ed: Yes ☐ No ☒ Size of gravel: .....
iced from ..... ft. to ..... ft.

: Yes ☒ No ☐ To what depth? 18 ft.
ised in seal bentonite & cement
strata contain unusable water? Yes ☐ No ☐
vater?..... Depth of strata.....
f sealing strata off.....

ufacturer's Name.....
..... H.P.....

EVELS: Land-surface elevation above mean sea level.... .....ft.
.....ft. below top of well Date 7/22/82
.....lbs. per square inch Date.....
water is controlled by..... (Cap, valve, etc.)

STS: Drawdown is amount water level is lowered below static level
ade? Yes ☐ No ☐ If yes, by whom? 235
./min. with ft. drawdown after hrs.
" " "
" " "

e taken as zero when pump turned off) (water level well top to water level)

Level	Time	Water Level	Time	Water Level

gal./min. with 5 ft. drawdown after 1 hrs.
.....g.p.m. Date.....
ter..... Was a chemical analysis made? Yes ☐ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
sand & gravel, brown, dry	0	11
glacial till, brown, damp	11	22
water bearing sand & gravel	22	40

Work started 7/22/82, 19..... Completed 7/22/82, 19.....

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

NAME NORTHWEST PUMP & DRILLING COMPANY
(Person, firm, or corporation) (Type or print)

Address 3245 Auburn Way South, Auburn, WA 98002

[Signed] R. B. DeRemont
(Well Driller)

License No. 0097 Date 7/26/82, 19.....

(USE ADDITIONAL SHEETS IF NECESSARY)

Y., Wa. 98038
23 N., R. 6E W.

rial and structure, a
f the material in ea
change of formati

FROM	TO
0	2
2	38
38	42
42	56
56	72
72	81
81	95
95	140
140	143
143	157
157	164

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5..... 19

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Type or print)
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APPENDIX C

APPENDIX C

WATER QUALITY

Water Quality Analysis Results – March 1990
Inorganic Compounds, Bacteria, and TOX
Issaquah Ground Water Management Program

Laboratory Sample No.			004881	004882	004898	004899	004900	004910	004911	004912	004913
Sample Id#1			I–6	I–6D	I–13	I–17	I–21	I–8	I–9	I–11	I–11D
Sample Id#2		MAXIMUM	23N/06E–27C01	23N/06E–27C01	23N/06E–24R01	24N/06E–21J	23N/06E–27A02	23N/06E–10Q05	24N/06E–29R01	23N/06E–03K02	23N/06E–03K02
Sample Date	DETECTION	CONTAMINANT	3/7/90	3/7/90	3/7/90	3/7/90	3/7/90	3/7/90	3/7/90	3/7/90	3/7/90
Owner	LIMIT	LEVEL	Jackson	Jackson	Agnew	Overdale	Greening	Hayes Nursery	Jim Pommer	Don Hall	Don Hall
Total Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Fecal Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Total Dissolved Solids (mg/l)	1.0	500.0	122.	112.	232.	164.	108.	94.	126.	72.	72.
Total Hardness (mg/l as CaCO3)	1.0	–	74.	74.	5.0	96.	60.	49.	49.	42.	42.
Total Alkalinity (mg/l as CaCO3)	1.0	–	75.	73.	189.	103.	66.	50.	109.	46.	46.
Carbonate (mg/l as CaCO3)	1.0	–	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate (mg/l as CaCO3)	1.0	–	75.	73.	189.	103.	66.	50.	109.	46.	46.
Hydroxide (mg/l as CaCO3)	1.0	–	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Calcium (mg/l)	0.01	–	17.	17.	1.0	27.	15.	11.	13.	12.	12.
Iron (mg/l)	0.01	0.30	<0.01	<0.01	0.93	<0.01	0.16	<0.01	<0.01	0.21	0.32
Manganese (mg/l)	0.002	0.05	<0.002	<0.002	0.030	0.097	0.004	<0.002	0.030	0.003	0.003
Magnesium (mg/l)	0.01	–	7.6	7.7	0.60	6.9	5.5	5.3	3.9	3.0	3.0
Potassium (mg/l)	1.0	–	1.6	1.6	2.0	5.5	1.6	1.1	2.3	0.33	0.34
Sodium (mg/l)	0.02	–	5.4	5.2	91.	13.	7.3	6.0	31.	6.4	6.3
Silica (mg/l)	0.04	–	18.	18.	19.	23.	19.	19.	21.	18.	18.
Zinc (mg/l)	0.02	5.0	0.23	0.31	0.065	<0.02	0.053	0.041	0.020	0.019	0.009
Silver (mg/l)	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium (mg/l)	0.001	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Mercury (mg/l)	0.0002	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Barium (mg/l)	0.003	1.0	0.008	0.008	0.005	0.018	0.006	0.017	0.008	0.004	<0.003
Copper (mg/l)	0.002	1.0	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cadmium (mg/l)	0.002	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Lead (mg/l)	0.001	0.05	0.002	0.002	0.002	<0.001	0.002	0.002	0.001	0.001	<0.001
Chromium (mg/l)	0.006	0.05	0.014	0.013	<0.006	0.011	0.008	<0.006	<0.006	<0.006	<0.006
Arsenic (mg/l)	0.001	0.05	0.002	0.002	0.005	0.008	0.002	0.010	0.002	<0.001	<0.001
Chloride (mg/l)	0.10	250.	4.2	4.0	4.8	5.7	2.7	3.1	4.0	2.2	2.2
Nitrite (mg/l)	0.10	–	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Sulfate (mg/l)	0.20	250.	6.1	5.6	6.0	22.	5.9	5.1	3.8	4.1	4.1
Nitrate (mg/l)	0.10	10.	1.2	1.2	<0.10	0.51	1.1	1.8	<0.10	1.0	1.0
Fluoride (mg/l)	0.10	4.	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Antimony (mg/l)	0.02	–	–	–	–	–	–	<0.02	<0.02	<0.02	<0.02
Beryllium (mg/l)	0.005	–	–	–	–	–	–	<0.005	<0.005	<0.005	<0.005
Nickel (mg/l)	0.01	–	–	–	–	–	–	<0.01	<0.01	<0.01	<0.01
Thallium (mg/l)	0.001	–	–	–	–	–	–	<0.001	<0.001	<0.001	<0.001
Cyanide (mg/l)	0.005	–	–	–	–	–	–	<0.005	<0.005	<0.005	<0.005
Phenol (mg/l)	0.005	–	–	–	–	–	–	<0.005	<0.005	<0.005	<0.005
Total Organic Halides (TOX) (ug/l)	5.0	–	16.	7.0	<5.0	<5.0	7.8	–	–	–	–

Water Quality Analysis Results – March 1990
Inorganic Compounds, Bacteria, and TOX
Issaquah Ground Water Management Program

Laboratory Sample No.			004786	004790	004791	004807	004808	004809	004810	004878	004879	004880
Sample Id #1			I-10	I-2	I-5	I-14	I-18	I-20	I-20D	I-1	I-3A	I-4
Sample Id #2		MAXIMUM	24N/06E-27M01	23N/06E-16J05	23N/06E-03A02	22N/06E-07H02	22N/07E-06J02	24N/07E-32A	24N/07E-32A	23N/06E-15L04	23N/06E-22C01	23N/06E-33C
Sample Date	DETECTION	CONTAMINANT	3/6/90	3/6/90	3/6/90	3/6/90	3/6/90	3/6/90	3/6/90	3/7/90	3/7/90	3/7/90
Owner	LIMIT	LEVEL	Issaquah	Johnson	Allison	Raub	Rahal	Preston	Preston	Adams	Mooney	Leroy
Total Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Fecal Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Total Dissolved Solids (mg/l)	1.0	500.0	102.	92.	88.	58.	82.	120.	112.	132.	98.	68.
Total Hardness (mg/l as CaCO3)	1.0	–	52.	59.	24.	35.	56.	91.	90.	85.	60.	31.
Total Alkalinity (mg/l as CaCO3)	1.0	–	61.	33.	50.	42.	81.	96.	98.	93.	75.	31.
Carbonate (mg/l as CaCO3)	1.0	–	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate (mg/l as CaCO3)	1.0	–	61.	33.	50.	42.	81.	96.	98.	93.	75.	31.
Hydroxide (mg/l as CaCO3)	1.0	–	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Calcium (mg/l)	0.01	–	14.	13.	6.7	10.	14.	27.	27.	22.	16.	8.4
Iron (mg/l)	0.01	0.30	<0.01	<0.01	0.04	0.03	0.11	0.43	0.43	0.03	0.27	1.5
Manganese (mg/l)	0.002	0.05	<0.002	<0.002	0.002	0.003	0.055	0.010	0.010	0.098	0.068	0.011
Magnesium (mg/l)	0.01	–	4.1	3.5	1.8	2.5	5.0	5.7	5.6	7.3	4.9	2.4
Potassium (mg/l)	1.0	–	1.3	1.9	1.5	1.3	1.6	1.6	0.59	2.5	1.9	0.80
Sodium (mg/l)	0.02	–	11.	6.4	21.	4.8	14.	6.4	6.5	6.0	8.3	4.9
Silica (mg/l)	0.04	–	14.	17.	16.	14.	15.	15.	15.	24.	16.	19.
Zinc (mg/l)	0.02	5.0	<0.02	0.034	0.063	0.12	0.037	0.27	0.26	0.041	0.26	<0.02
Silver (mg/l)	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium (mg/l)	0.001	0.01	<0.001	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Mercury (mg/l)	0.0002	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Barium (mg/l)	0.003	1.0	0.005	0.005	0.005	0.004	0.007	0.011	0.010	0.009	0.008	0.004
Copper (mg/l)	0.002	1.0	0.009	0.018	0.019	<0.002	0.004	0.004	0.003	<0.002	<0.002	<0.002
Cadmium (mg/l)	0.002	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Lead (mg/l)	0.001	0.05	0.030	0.001	0.001	0.003	0.006	0.005	0.004	0.001	0.004	0.001
Chromium (mg/l)	0.006	0.05	<0.006	0.010	0.007	<0.006	0.007	0.010	0.008	0.013	0.010	<0.006
Arsenic (mg/l)	0.001	0.05	0.002	<0.001	<0.001	0.002	0.003	<0.001	<0.001	0.006	0.006	<0.001
Chloride (mg/l)	0.10	250.	5.4	5.3	6.7	2.2	2.1	3.5	3.5	3.2	2.1	3.4
Nitrite (mg/l)	0.10	–	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Sulfate (mg/l)	0.20	250.	6.4	17.	8.8	4.5	2.8	3.7	3.7	6.2	3.6	5.4
Nitrate (mg/l)	0.10	10.	0.96	1.8	0.67	0.52	<0.10	0.14	0.14	<0.10	<0.10	0.54
Fluoride (mg/l)	0.10	4.	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Antimony (mg/l)	0.02	–	<0.02	–	–	–	–	–	–	–	–	–
Beryllium (mg/l)	0.005	–	<0.005	–	–	–	–	–	–	–	–	–
Nickel (mg/l)	0.01	–	<0.01	–	–	–	–	–	–	–	–	–
Thallium (mg/l)	0.001	–	<0.001	–	–	–	–	–	–	–	–	–
Cyanide (mg/l)	0.005	–	<0.005	–	–	–	–	–	–	–	–	–
Phenol (mg/l)	0.005	–	<0.005	–	–	–	–	–	–	–	–	–
Total Organic Halides (TOX) (ug/l)	5.0	–	–	11.	5.9	17.	9.8	9.7	13.	<5.0	<5.0	19.

Water Quality Analysis Results – March 1990
Inorganic Compounds, Bacteria, and TOX
Issaquah Ground Water Management Program

Laboratory Sample No.			004914	004973	004974	005131	005132	005608	005720	005721
Sample Id#1			I–12	I–15	I–19	I–21	I–22	I–23	I–24	I–25
Sample Id#2		MAXIMUM	24N/06E–28F02	24N/06E–14K01	24N/06E–25P01	24N/06E–27–D	24N/06E–27–S	24N/06E–27D02	24N/06E–27D03	27N/06E–27D01
Sample Date	DETECTION	CONTAMINANT	3/7/90	3/8/90	3/8/90	3/9/90	3/9/90	3/20/90	3/21/90	3/21/90
Owner	LIMIT	LEVEL	Zetech	Caldwell	Foxer					
Total Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.	<1.	<1.	<1.	–	–
Fecal Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.	<1.	<1.	<1.	–	–
Total Dissolved Solids (mg/l)	1.0	500.0	98.	94.	74.	98.	122.	132.	148.	122.
Total Hardness (mg/l as CaCO3)	1.0	–	63.	46.	35.	60.	56.	72.	74.	66.
Total Alkalinity (mg/l as CaCO3)	1.0	–	62.	56.	42.	63.	68.	64.	71.	64.
Carbonate (mg/l as CaCO3)	1.0	–	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bicarbonate (mg/l as CaCO3)	1.0	–	62.	56.	42.	63.	68.	64.	71.	64.
Hydroxide (mg/l as CaCO3)	1.0	–	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Calcium (mg/l)	0.01	–	15.	9.1	13.	16.	15.	19.	20.	17.
Iron (mg/l)	0.01	0.30	<0.01	<0.01	<0.01	0.06	2.2	<0.01	<0.01	0.03
Manganese (mg/l)	0.002	0.05	<0.002	<0.002	<0.002	0.025	0.113	<0.002	<0.002	<0.002
Magnesium (mg/l)	0.01	–	6.3	5.6	0.66	4.9	4.5	6.0	5.9	5.6
Potassium (mg/l)	1.0	–	1.3	0.57	0.12	2.0	2.0	1.5	1.4	1.6
Sodium (mg/l)	0.02	–	7.2	5.4	8.3	8.4	16.	8.6	10.	8.4
Silica (mg/l)	0.04	–	20.	18.	15.	20.	26.	19.	21.	20.
Zinc (mg/l)	0.02	5.0	0.113	0.041	0.047	<0.02	<0.02	<0.02	0.10	<0.02
Silver (mg/l)	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium (mg/l)	0.001	0.01	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Mercury (mg/l)	0.0002	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Barium (mg/l)	0.003	1.0	0.009	0.005	<0.003	0.006	0.017	0.005	0.007	0.005
Copper (mg/l)	0.002	1.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.007	0.005
Cadmium (mg/l)	0.002	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Lead (mg/l)	0.001	0.05	0.001	0.002	0.002	0.001	0.001	<0.001	0.001	0.001
Chromium (mg/l)	0.006	0.05	0.007	0.009	0.007	<0.006	0.012	<0.006	<0.006	<0.006
Arsenic (mg/l)	0.001	0.05	<0.001	<0.001	<0.001	<0.001	0.002	0.002	<0.001	0.002
Chloride (mg/l)	0.10	250.	4.1	3.7	2.2	4.8	7.0	3.5	3.4	3.4
Nitrite (mg/l)	0.10	–	<0.10	<0.10	<0.10	<0.10	<0.10	<0.01	<0.10	<0.10
Sulfate (mg/l)	0.20	250.	9.0	3.5	5.1	7.1	12.	17.	22.	12.
Nitrate (mg/l)	0.10	10.	0.99	1.0	1.2	0.86	2.5	0.73	0.74	0.10
Fluoride (mg/l)	0.10	4.	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Antimony (mg/l)	0.02	–	<0.02	–	–	<0.02	<0.02	<0.02	<0.02	<0.02
Beryllium (mg/l)	0.005	–	<0.005	–	–	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel (mg/l)	0.01	–	<0.01	–	–	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/l)	0.001	–	<0.001	–	–	<0.001	<0.001	<0.001	<0.001	<0.001
Cyanide (mg/l)	0.005	–	<0.005	–	–	<0.005	<0.005	0.005	<0.005	<0.005
Phenol (mg/l)	0.005	–	<0.005	–	–	<0.005	<0.005	<0.005	<0.005	<0.005
Total Organic Halides (TOX) (ug/l)	5.0	–	–	<5.0	<5.0	–	–	–	–	–

Water Quality Analysis Results – March 1990

Volatile Organic Compounds

Issaquah Ground Water Management Program

Laboratory Sample No.		004786	004910	004911	004912	004913	004914	005131	005132	005608	005720
Sample Id#1		I-10	I-8	I-9	I-11	I-11D	I-12	I-21	I-22	I-23	I-24
Sample Id#2		24N/06E-27M01	23N/06E-10Q05	24N/06E-29R01	23N/06E-03K02	23N/06E-03K02	24N/06E-28F01	24N/06E-27-D	24N/06E-27-S	24N/06E-27D02	24N/06E-27D03
Sample Date	DETECTION	3/6/90	3/7/90	3/7/90	3/7/90	3/7/90	3/7/90	3/9/90	3/9/90	3/20/90	3/21/90
Owner	LIMIT	Issaquah	Hayes Nursery	Jim Pommer	Don Hall	Don Hall	Zetech				
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Choride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	10.	16.	ND	ND	ND	17.	ND	ND	ND	ND	ND
Carbon Disulfide	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.0	1.4	6.8	6.0	5.6	5.1	6.9	5.6	6.2	5.6	5.2
1,2-Dichloroethylene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	10.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	10.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	1.0	ND	ND	ND	ND	ND	ND	ND	8.8	ND	ND
1,1,1-Trichloroethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethylene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone (MIBK)	10.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	10.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Water Quality Analysis Results – March 1990
Semivolatile Organic Compounds
Issaquah Ground Water Management Program

Laboratory Sample No.		004786	004910	004911	004912	004913	004914	005131	005132	005720
Sample Id#1		I-10	I-8	I-9	I-11	I-11D	I-12	I-21	I-22	I-24
Sample Id#2	DETECTION	24N/06E-27M01	23N/06E-10Q05	24N/06E-29R01	23N/06E-03K02	23N/06E-03K03	24N/06E-28F01	24N/06E-27-D	24N/06E-27-S	24N/06E-27D03
Sample Date	LIMIT	3/6/90	3/7/90	3/7/90	3/7/90	3/7/90	3/7/90	3/9/90	3/9/90	3/21/90
Owner	(ug/l)	Issaquah	Hayes Nursery	Jim Pommer	Don Hall	Don Hall	Zetech			
N-Nitrosodimethylamine	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethyl)ether	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl alcohol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroisopropyl)ether	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodipropylamine	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methylphenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dimethylphenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-chloroethoxy)methane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dichlorophenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trichlorobenzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloroaniline	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylnaphthalene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6-Trichlorophenol	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5-Trichlorophenol	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitroaniline	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl phthalate	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrophenol	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4-Dinitrotoluene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl phenyl ether	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl phthalate	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methyl-4,6-Dinitrophenol	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Bromophenyl phenyl ether	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

Water Quality Analysis Results – March 1990
Semivolatile Organic Compounds
Issaquah Ground Water Management Program

Laboratory Sample No.		004786	004910	004911	004912	004913	004914	005131	005132	005720
Sample Id#1		I-10	I-8	I-9	I-11	I-11D	I-12	I-21	I-22	I-24
Sample Id#2	DETECTION	24N/06E-27M01	23N/06E-10Q05	24N/06E-29R01	23N/06E-03K02	23N/06E-03K03	24N/06E-28F01	24N/06E-27-D	24N/06E-27-S	24N/06E-27D03
Sample Date	LIMIT	3/6/90	3/7/90	3/7/90	3/7/90	3/7/90	3/7/90	3/9/90	3/9/90	3/21/90
Owner	(ug/l)	Issaquah	Hayes Nursery	Jim Pommer	Don Hall	Don Hall	Zetech			
Phenanthrene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Butyl phthalate	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	100.	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl butyl phthalate	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3-Dichlorobenzidine	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl)phthalate	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-N-Octyl phthalate	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

Water Quality Analysis Results – March 1990
Pesticides & PCB's
Issaquah Ground Water Management Program

Laboratory Sample No.		004786	004910	004911	004912	004913	004914	005131	005132	005720
Sample Id #1		I-10	I-8	I-9	I-11	I-11D	I-12	I-21	I-22	I-24
Sample Id #2		24N/06E-27M01	23N/06E-10Q05	24N/06E-29R01	23N/06E-03K02	23N/06E-03K02	24N/06E-28F01	24N/06E-27-D	24N/06E-27-S	24N/06E-27D03
Sample Date	DETECTION	3/6/90	3/7/90	3/7/90	3/7/90	3/7/90	3/7/90	3/9/90	3/9/90	3/21/90
Owner	LIMITS	Issaquah	Hayes Nursery	Jim Pommer	Don Hall	Don Hall	Zetech			
PESTICIDES										
Alpha BHC	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta BHC	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDE	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDD	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'-DDT	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	6.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB's										
Arochlor 1016	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor 1221	2.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor 1232	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor 1242	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor 1248	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor 1254	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor 1260	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND

Water Quality Analysis Results – June 1990

Inorganic Compounds, Bacteria, TOX

Issaquah Ground Water Management Program

Laboratory Sample No.			012445	012446	012439	012441	012449	012450	012452	012453	012438	012440
Sample Id#1			I-10	I-10D	I-2	I-5	I-14	I-18	I-20	I-20D	I-1	I-3
Sample Id#2		MAXIMUM	24N/06E-27M01	24N/06E-27M01	23N/06E-16L05	23N/06E-03A02	22N/06E-07H02	22N/07E-06J02	24N/07E-32A	24N/07E-32A	23N/06E-15L04	23N/06E-22C01
Sample Date	DETECTION	CONTAMINANT	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90	6/4/90
Owner	LIMIT	LEVEL	Issaquah	Issaquah	Johnston	Allison	Raub	Rahal	Preston	Preston	Adams	Mooney
Total Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.	<1.	1.	<1.	<1.	<1.	<1.	<1.
Fecal Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Total Dissolved Solids (mg/l)	1.0	500.	110.	110.	100.	84.	72.	180.	120.	140.	140.	130.
Total Hardness (mg/l as CaCO3)	1.0	–	54.	55.	46.	25.	38.	59.	86.	86.	92.	63.
Total Alkalinity (mg/l as CaCO3)	1.0	–	64.	66.	40.	38.	42.	90.	96.	94.	98.	78.
Carbonate (mg/l as CaCO3)	1.0	–	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Bicarbonate (mg/l as CaCO3)	1.0	–	64.	66.	40.	38.	42.	90.	96.	94.	98.	78.
Hydroxide (mg/l as CaCO3)	1.0	–	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Total Organic Halides	5.	–	<5.	<5.	<5.	<5.	<5.	<5.	<5.	<5.	<5.	<5.
Calcium (mg/l)	0.01	–	15.	15.	13.	7.0	11.	15.	26.	26.	24.	17.
Iron (mg/l)	0.01	0.30	<0.01	<0.01	0.16	0.13	0.03	0.10	0.33	0.34	0.08	0.12
Manganese (mg/l)	0.002	0.05	<0.002	<0.002	0.003	0.002	<0.002	0.058	0.006	0.006	0.105	0.069
Magnesium (mg/l)	0.01	–	4.1	4.2	3.4	1.9	2.5	5.3	5.1	5.1	7.9	5.1
Potassium (mg/l)	1.0	–	1.0	1.1	1.0	0.52	0.55	0.97	0.82	0.78	2.4	1.5
Sodium (mg/l)	0.02	–	13.	11.	7.6	12.	5.7	16.	7.0	7.0	7.2	9.2
Silica (mg/l)	0.04	–	54.	71.	51.	51.	53.	57.	53.	55.	90.	51.
Zinc (mg/l)	0.02	5.0	<0.02	<0.02	<0.02	0.04	0.09	0.04	0.18	0.18	0.05	0.06
Silver (mg/l)	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium (mg/l)	0.001	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury (mg/l)	0.0002	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Barium (mg/l)	0.003	1.0	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	0.005	0.004	<0.003	<0.003
Copper (mg/l)	0.002	1.0	<0.002	<0.002	0.005	0.012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cadmium (mg/l)	0.002	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Lead (mg/l)	0.001	0.05	0.003	0.002	0.001	0.001	0.002	0.004	0.005	0.005	0.016	0.001
Chromium (mg/l)	0.006	0.05	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Arsenic (mg/l)	0.001	0.05	0.002	0.002	<0.001	<0.001	0.002	0.005	<0.001	<0.001	0.008	0.008
Chloride (mg/l)	0.5	250.	3.2	2.8	4.5	2.8	1.0	3.2	2.3	2.8	3.2	1.0
Nitrite (mg/l)	0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Sulfate (mg/l)	0.5	250.	7.1	7.9	20.	8.7	4.0	2.5	4.8	3.3	6.3	4.8
Nitrate (mg/l)	0.2	10.	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Fluoride (mg/l)	0.2	4.	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Water Quality Analysis Results – June 1990

Inorganic Compounds, Bacteria, TOX

Issaquah Ground Water Management Program

Laboratory Sample No.			012745	012746	012747	012748	012750	012751	012442	012443	012444	012447
Sample Id#1			I–4	I–6	I–6D	I–13	I–17	I–21	I–8	I–8D	I–9	I–11
Sample Id#2		MAXIMUM	23N/06E–33C	23N/06E–27C01	23N/06E–27C01	23N/06E–24R01	24N/06E–21J	23N/06E–27A02	23N/06E–10Q05	23N/06E–10Q05	24N/06E–29R01	23N/06E–03K02
Sample Date	DETECTION	CONTAMINANT	6/5/90	6/5/90	6/5/90	6/5/90	6/5/90	6/5/90	6/4/90	6/4/90	6/4/90	6/4/90
Owner	LIMIT	LEVEL	Leroy	Jackson	Jackson	Agnew	Overdale	Greening	Hayes	Hayes	Pommer	Hall
Total Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Fecal Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Total Dissolved Solids (mg/l)	1.0	500.	88.	150.	160.	20.	180.	110.	100.	100.	170.	88.
Total Hardness (mg/l as CaCO3)	1.0	–	31.	73.	73.	2.2	85.	52.	49.	53.	45.	44.
Total Alkalinity (mg/l as CaCO3)	1.0	–	32.	72.	82.	22.	110.	74.	50.	50.	55.	58.
Carbonate (mg/l as CaCO3)	1.0	–	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Bicarbonate (mg/l as CaCO3)	1.0	–	32.	72.	82.	22.	110.	74.	50.	50.	55.	58.
Hydroxide (mg/l as CaCO3)	1.0	–	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Total Organic Halides	5.	–	5.	<5.	<5.	<5.	<5.	<5.	<5.	<5.	<5.	<5.
Calcium (mg/l)	0.01	–	8.6	17.	17.	0.55	24.	13.	11.	12.	12.	12.
Iron (mg/l)	0.01	0.30	1.4	0.02	0.03	0.18	0.04	0.36	0.02	0.02	0.02	0.29
Manganese (mg/l)	0.002	0.05	0.012	<0.002	<0.002	0.006	0.08	0.003	<0.002	<0.002	0.026	<0.002
Magnesium (mg/l)	0.01	–	2.4	7.5	7.3	0.21	6.2	4.8	5.2	5.6	3.6	3.3
Potassium (mg/l)	1.0	–	0.93	1.4	1.4	1.1	4.7	1.0	<1.0	1.1	1.5	0.53
Sodium (mg/l)	0.02	–	8.8	13.	9.5	110.	16.	15.	7.2	7.6	35.	7.6
Silica (mg/l)	0.04	–	64.	64.	64.	64.	86.	75.	64.	66.	71.	79.
Zinc (mg/l)	0.02	5.0	0.03	0.21	0.40	0.03	<0.02	0.05	0.06	0.05	<0.02	<0.02
Silver (mg/l)	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium (mg/l)	0.001	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury (mg/l)	0.0002	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0006	<0.0002	<0.0002
Barium (mg/l)	0.003	1.0	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Copper (mg/l)	0.002	1.0	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cadmium (mg/l)	0.002	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Lead (mg/l)	0.001	0.05	0.003	0.003	0.004	0.001	<0.001	0.001	<0.001	0.002	0.002	0.001
Chromium (mg/l)	0.006	0.05	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Arsenic (mg/l)	0.001	0.05	0.001	0.003	0.003	0.007	0.011	0.002	0.001	0.001	0.004	<0.001
Chloride (mg/l)	0.5	250.	3.0	3.6	3.6	4.1	4.1	<0.5	1.8	1.7	2.3	1.4
Nitrite (mg/l)	0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Sulfate (mg/l)	0.5	250.	6.2	6.2	6.2	6.2	21.	5.3	4.8	6.3	4.0	4.8
Nitrate (mg/l)	0.2	10.	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Fluoride (mg/l)	0.2	4.	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2

Water Quality Analysis Results – June 1990
Inorganic Compounds, Bacteria, TOX
Issaquah Ground Water Management Program

Laboratory Sample No.			012448	012749	012451
Sample Id#1			I–12	I–15	I–19
Sample Id#2		MAXIMUM	24N/06E–28F02	24N/06E–14K01	24N/06E–25P01
Sample Date	DETECTION	CONTAMINANT	6/4/90	6/5/90	6/4/90
Owner	LIMIT	LEVEL	Zeteck	Caldwell	Foster
Total Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.
Fecal Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.
Total Dissolved Solids (mg/l)	1.0	500.	120.	74.	86.
Total Hardness (mg/l as CaCO3)	1.0	–	64.	46.	35.
Total Alkalinity (mg/l as CaCO3)	1.0	–	68.	52.	46.
Carbonate (mg/l as CaCO3)	1.0	–	<1.	<1.	<1.
Bicarbonate (mg/l as CaCO3)	1.0	–	68.	52.	46.
Hydroxide (mg/l as CaCO3)	1.0	–	<1.	<1.	<1.
Total Organic Halides	5.	–	<5.	<5.	<5.
Calcium (mg/l)	0.01	–	15.	9.1	13.
Iron (mg/l)	0.01	0.30	0.01	0.07	0.02
Manganese (mg/l)	0.002	0.05	<0.002	<0.002	<0.002
Magnesium (mg/l)	0.01	–	6.5	5.4	0.66
Potassium (mg/l)	1.0	–	1.1	<1.0	<0.10
Sodium (mg/l)	0.02	–	8.2	15.	8.6
Silica (mg/l)	0.04	–	90.	68.	51.
Zinc (mg/l)	0.02	5.0	0.10	0.07	0.05
Silver (mg/l)	0.01	0.05	<0.01	<0.01	<0.01
Selenium (mg/l)	0.001	0.01	<0.001	<0.001	<0.001
Mercury (mg/l)	0.0002	0.002	<0.0002	<0.0002	<0.0002
Barium (mg/l)	0.003	1.0	<0.003	<0.003	<0.003
Copper (mg/l)	0.002	1.0	<0.002	<0.002	<0.002
Cadmium (mg/l)	0.002	0.01	<0.002	<0.002	<0.002
Lead (mg/l)	0.001	0.05	<0.001	0.002	0.002
Chromium (mg/l)	0.006	0.05	<0.006	<0.006	<0.006
Arsenic (mg/l)	0.001	0.05	<0.001	0.001	<0.001
Chloride (mg/l)	0.5	250.	2.8	4.1	2.3
Nitrite (mg/l)	0.5	–	<0.5	<0.5	<0.5
Sulfate (mg/l)	0.5	250.	10.	5.3	4.0
Nitrate (mg/l)	0.2	10.	<0.2	<0.2	<0.2
Fluoride (mg/l)	0.2	4.	<0.2	<0.2	<0.2

uality A s Results – December 1990
c Compo. & Bacteria
Issaqua nd W er Management Program

Laboratory Sample No.			027663	027664	027660	027662	027485	027568	027367	027368	027727	027728
Sample Id#1			I–10	I–10D	I–2	I–5	I–14	I–18	I–20	I–20D	I–1	I–3
Sample Id#2		MAXIMUM	24N/06E–27M01	24N/06E–27M01	23N/06E–16L05	23N/06E–33A02	22N/06E–07H02	22N/07E–06J02	24N/07E–32A	24N/07E–32A	23N/06E–15L04	23N/06E–22C01
Sample Date	DETECTION	CONTAMINANT	12/10/90	12/10/90	12/10/90	12/10/90	12/06/90	12/07/90	12/05/90	12/05/90	12/11/90	12/11/90
Owner	LIMIT	LEVEL	ISSAQUAH	ISSAQUAH	JOHNSTON	ALLISON	RAUB	RAHALL	PRESTON	PRESTON	ADAMS	MOONEY
Total Coliforms (MPN/100 ml)	1.	1.	<1.	–	<1.	3.	3.0	<1.	<1.	<1.	<1.	3.
Fecal Coliforms (MPN/100 ml)	1.	1.	<1.	–	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Total Dissolved Solids (mg/l)	1.0	500.	88.	–	140.	78.	110.	130.	90.	90.	110.	130.
Total Hardness (mg/l as CaCO3)	1.0	–	54.	–	49.	31.	39.	60.	49.	49.	95.	66.
Total Alkalinity (mg/l as CaCO3)	1.0	–	62.	–	32.	44.	41.	80.	51.	51.	66.	72.
Carbonate (mg/l as CaCO3)	1.0	–	<1.	–	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Bicarbonate (mg/l as CaCO3)	1.0	–	62.	–	32.	44.	41.	80.	51.	51.	66.	72.
Hydroxide (mg/l as CaCO3)	1.0	–	<1.	–	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Calcium (mg/l)	0.01	–	15.	15.	14.	8.7	11.	15.	14.	14.	25.	18.
Iron (mg/l)	0.01	0.30	<0.01	<0.01	0.85	0.11	<0.01	0.08	0.30	0.37	0.15	0.30
Manganese (mg/l)	0.002	0.05	0.004	<0.002	0.014	0.005	0.007	0.060	0.035	0.035	0.105	0.075
Magnesium (mg/l)	0.01	–	4.1	4.2	3.5	2.3	2.7	5.4	3.5	3.5	8.0	5.2
Potassium (mg/l)	1.0	–	0.85	0.92	0.53	0.29	0.39	0.59	0.31	0.31	1.4	1.3
Sodium (mg/l)	0.02	–	9.6	9.9	6.1	27.	5.0	15.	4.2	4.6	8.1	8.1
Silica (mg/l)	0.04	–	18.	19.	18.	17.	19.	19.	10.	10.	33.	23.
Zinc (mg/l)	0.02	5.0	<0.02	<0.02	<0.02	0.10	0.08	0.02	0.36	0.42	0.04	0.07
Silver (mg/l)	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium (mg/l)	0.001	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury (mg/l)	0.0002	0.002	<0.0002	0.0002	<0.0002	0.0006	<0.0002	<0.0002	<0.0002	0.0009	0.0002	<0.0002
Barium (mg/l)	0.003	1.0	0.003	<0.003	<0.003	<0.003	<0.003	0.005	0.003	0.003	0.006	0.006
Copper (mg/l)	0.002	1.0	<0.002	<0.002	0.007	0.034	<0.002	0.011	<0.002	<0.002	<0.002	0.002
Cadmium (mg/l)	0.002	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Lead (mg/l)	0.001	0.05	0.002	0.001	0.003	0.002	<0.001	<0.001	0.003	0.004	<0.001	<0.001
Chromium (mg/l)	0.006	0.05	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Arsenic (mg/l)	0.001	0.05	0.002	0.002	<0.001	<0.001	0.002	0.004	<0.001	<0.001	0.007	0.007
Chloride (mg/l)	0.5	250.	3.1	<0.02	9.3	3.6	<0.5	<0.5	3.1	3.1	2.6	2.6
Nitrite (mg/l)	0.5	–	<0.5	<0.005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Sulfate (mg/l)	0.5	250.	7.5	<0.01	15.	9.7	<0.5	<0.5	9.0	3.0	6.0	6.7
Nitrate (mg/l)	0.2	10.	1.1	<0.001	2.1	1.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Fluoride (mg/l)	0.2	4.	<0.2	–	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Antimony (mg/l)	0.02	–	<0.02	–	<0.02	–	–	–	–	–	–	–
Beryllium (mg/l)	0.005	–	<0.005	–	<0.005	–	–	–	–	–	–	–
Nickel (mg/l)	0.01	–	<0.01	–	<0.01	–	–	–	–	–	–	–
Thallium (mg/l)	0.001	–	<0.001	–	<0.001	–	–	–	–	–	–	–
Cyanide (mg/l)	0.005	–	<0.005	–	<0.005	–	–	–	–	–	–	–

'ter ' ality A Results – December 1990
Compo. & Bacteria
Issaqu.. nd \ r Management Program

Laboratory Se.. No.			027661	027729	027484	027365	027486	027358	027359	027360	027361	027362
Sample Id#1			I-4	I-6	I-13	I-17	I-21	I-8	I-9	I-9D	I-11	I-12
Sample Id#2		MAXIMUM	23N/06E-33C	23N/06E-27C01	23N/06E-24R01	24N/06E-21J	23N/06E-27A02	23N/06E-10Q05	24N/06E-29R01	24N/06E-29R01	23N/06E-03K02	24N/06E-28F02
Sample Date	DETECTION	CONTAMINANT	12/10/90	12/11/90	12/06/90	12/05/90	12/06/90	12/05/90	12/05/90	12/05/90	12/05/90	12/05/90
Owner	LIMIT	LEVEL	LEROY	JACKSON	AGNEW	OVERDALE	GREENING	HAYES	POMMER	POMMER	HALL	ZETECK
Total Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Fecal Coliforms (MPN/100 ml)	1.	1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Total Dissolved Solids (mg/l)	1.0	500.	64.	110.	280.	200.	130.	78.	180.	170.	64.	110.
Total Hardness (mg/l as CaCO3)	1.0	–	44.	77.	41.	90.	60.	50.	46.	46.	43.	61.
Total Alkalinity (mg/l as CaCO3)	1.0	–	33.	70.	200.	98.	63.	37.	110.	100.	44.	61.
Carbonate (mg/l as CaCO3)	1.0	–	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Bicarbonate (mg/l as CaCO3)	1.0	–	33.	70.	200.	98.	63.	37.	110.	100.	44.	61.
Hydroxide (mg/l as CaCO3)	1.0	–	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.	<1.
Calcium (mg/l)	0.01	–	12.	18.	13.	25.	15.	11.	12.	12.	12.	14.
Iron (mg/l)	0.01	0.30	3.4	0.07	3.5	<0.01	0.88	<0.01	<0.01	<0.01	0.20	<0.01
Manganese (mg/l)	0.002	0.05	0.022	0.003	0.082	0.096	0.005	<0.002	0.028	0.027	<0.002	<0.002
Magnesium (mg/l)	0.01	–	3.3	7.8	2.0	6.8	5.5	5.5	3.9	3.9	3.1	6.4
Potassium (mg/l)	1.0	–	0.49	0.90	0.94	4.3	0.77	0.63	1.3	1.2	0.28	0.62
Sodium (mg/l)	0.02	–	5.0	5.1	99.	14.	9.0	5.5	30.	31.	5.2	6.9
Silica (mg/l)	0.04	–	20.	22.	23.	21.	22.	17.	19.	20.	16.	18.
Zinc (mg/l)	0.02	5.0	<0.02	0.02	0.08	<0.02	0.04	0.19	<0.02	<0.02	0.03	0.10
Silver (mg/l)	0.01	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Selenium (mg/l)	0.001	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury (mg/l)	0.0002	0.002	<0.0002	<0.0002	<0.0002	0.0008	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	0.0002
Barium (mg/l)	0.003	1.0	<0.003	<0.003	0.006	0.015	0.005	<0.003	0.003	<0.003	<0.003	<0.003
Copper (mg/l)	0.002	1.0	<0.002	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Cadmium (mg/l)	0.002	0.01	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
Lead (mg/l)	0.001	0.05	<0.001	<0.001	0.003	<0.001	<0.001	0.004	0.004	0.001	0.003	0.003
Chromium (mg/l)	0.006	0.05	<0.006	<0.006	<0.006	0.006	<0.006	<0.006	<0.006	<0.006	<0.006	<0.006
Arsenic (mg/l)	0.001	0.05	<0.001	0.001	0.007	0.013	0.003	0.001	0.004	0.003	<0.001	<0.001
Chloride (mg/l)	0.5	250.	6.0	2.1	4.0	3.1	2.1	<0.5	3.6	3.1	2.2	2.7
Nitrite (mg/l)	0.5	–	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Sulfate (mg/l)	0.5	250.	6.7	6.0	7.1	22.	5.5	<0.5	7.0	5.5	5.4	9.4
Nitrate (mg/l)	0.2	10.	1.1	1.4	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	1.3	0.96
Fluoride (mg/l)	0.2	4.	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Antimony (mg/l)	0.02	–	<0.02	<0.02	–	–	–	<0.02	<0.02	<0.02	<0.02	<0.02
Beryllium (mg/l)	0.005	–	<0.005	<0.005	–	–	–	<0.005	<0.005	<0.005	<0.005	<0.005
Nickel (mg/l)	0.01	–	<0.01	<0.01	–	–	–	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium (mg/l)	0.001	–	<0.001	<0.001	–	–	–	<0.001	<0.001	<0.001	<0.001	<0.001
Cyanide (mg/l)	0.005	–	<0.005	<0.005	–	–	–	<0.005	<0.005	<0.005	<0.005	<0.005

Water Quality Analysis Results – December 1990
Inorganic Compounds & Bacteria
Issaquah Groundwater Management Program

Laboratory Sample No			027567	027366
Sample Id#1			I–15	I–19
Sample Id#2		MAXIMUM	24N/06E–14K01	24N/06E–25P01
Sample Date	DETECTION	CONTAMINANT	12/07/90	12/05/90
Owner	LIMIT	LEVEL	CALDWELL	FOSTER
Total Coliform (N/100 ml)	1.	1.	<1.	<1.
Fecal Coliform (N/100 ml)	1.	1.	<1.	<1.
Total Dissolved Solids (mg/l)	1.0	500.	86.	130.
Total Hardness (mg/l as CaCO3)	1.0	–	50.	35.
Total Alkalinity (mg/l as CaCO3)	1.0	–	42.	42.
Carbonate (mg/l as CaCO3)	1.0	–	<1.	<1.
Bicarbonate (mg/l as CaCO3)	1.0	–	42.	42.
Hydroxide (mg/l as CaCO3)	1.0	–	<1.	<1.
Calcium (mg/l)	0.01	–	10.	13.
Iron (mg/l)	0.01	0.30	<0.01	<0.01
Manganese (mg/l)	0.002	0.05	<0.002	0.002
Magnesium (mg/l)	0.01	–	6.1	0.73
Potassium (mg/l)	1.0	–	0.50	0.11
Sodium (mg/l)	0.02	–	5.2	7.7
Silica (mg/l)	0.04	–	25.	13.
Zinc (mg/l)	0.02	5.0	0.04	0.05
Silver (mg/l)	0.01	0.05	<0.01	<0.01
Selenium (mg/l)	0.001	0.01	<0.001	<0.001
Mercury (mg/l)	0.0002	0.002	<0.0002	0.0003
Barium (mg/l)	0.003	1.0	<0.003	<0.003
Copper (mg/l)	0.002	1.0	0.003	<0.002
Cadmium (mg/l)	0.002	0.01	<0.002	<0.002
Lead (mg/l)	0.001	0.05	<0.001	0.003
Chromium (mg/l)	0.006	0.05	<0.006	<0.006
Arsenic (mg/l)	0.001	0.05	0.001	<0.001
Chloride (mg/l)	0.5	250.	<0.5	3.6
Nitrite (mg/l)	0.5	–	<0.5	<0.5
Sulfate (mg/l)	0.5	250.	53.	23.
Nitrate (mg/l)	0.2	10.	<0.2	<0.2
Fluoride (mg/l)	0.2	4.	<0.2	<0.2
Antimony (mg/l)	0.02	–	–	–
Beryllium (mg/l)	0.005	–	–	–
Nickel (mg/l)	0.01	–	–	–
Thallium (mg/l)	0.001	–	–	–
Cyanide (mg/l)	0.005	–	–	–

Water Quality Analysis Results – December 1990

Volatile Organic Compounds

Issaquah Grand Water Management Program

Laboratory ID No		027663	027664	027358	027359	027360	027361	027362	027660	027661
Sample Id#1		I-10	I-10D	I-8	I-9	I-9D	I-11	I-12	I-2	I-4
Sample Id#2		24N/06E-27M01	24N/06E-27M01	23N/06E-10Q05	24N/06E-29R01/C	24N/06E-29R01/C	23N/06E-03K02	24N/06E-28F01	23N/06E-16L05	23N/06E-33C
Sample Date	DETECTION	12/10/90	12/10/90	12/05/90	12/05/90	12/05/90	12/05/90	12/05/90	12/10/90	12/10/90
Owner	LIMITS	ISSAQUAH	ISSAQUAH	HAYES	POMMER	POMMER	HALL	ZETECK	JOHNSTON	LEROY
Chloromethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethylene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	20.	76.	100.	42.	38.	82.	49.	25.	120.	100.
Carbon Disulfide	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.0	5.9B	9.6B	2.2B	5.7B	6.3B	3.9B	3.7B	9.3B	5.3B
1,2-Dichloroethylene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Acetate	10.	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	50.	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethylene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-Pentanone (MIBK)	10.	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	20.	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethyl Benzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
[illegible]chlorobenzene	1.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

Water Quality Analysis Results – December 1990
Semivolatile Organic Counpounds
Issaquah Ground Water Management Program

Laboratory Sample No.		027661	027358	027359	027360	027361	027362	027660	027661	027729
Sample Id#1		I–10	I–8	I–9	I–9D	I–11	I–12	I–2	I–4	I–6
Sample Id#2		23N/06E–27M01	23N/06E–10Q05	23N/06E–29R01	23N/06E–29R01	23N/06E–03K02	23N/06E–28F01	23N/06E–16L05	23N/06E–33C	23N/06E–27C01
Sample Date	DETECTION	12/10/90	12/05/90	12/05/90	12/05/90	12/05/90	12/05/90	12/10/90	12/10/90	12/11/90
Owner	LIMIT	ISSAQUAH	HAYES	POMMER	POMMER	HALL	ZETECK	JOHNSTON	LEROY	JACKSON
N–Nitrosodimethylamine	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2–Chlorophenol	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2–Chloroethyl)ether	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	2.0	ND	ND	ND	2.9	ND	ND	ND	ND	ND
1,3–Dichlorobenzene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4–Dichlorobenzene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2–Dichlorobenzene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Alcohol	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2–Chloroisopropyl)ether	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2–Methyphenol	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
N–Nitrosodipropylamine	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4–Methyphenol	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2–Nitrophenol	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4–Dimethylphenol	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2–Chloroethoxy)methane	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4–Dichlorophenol	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4–Trichlorobenzene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic Acid	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4–Chloroaniline	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2–Methylnaphthalene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4–Chloro–3–Methylphenol	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,6–Trichlorophenol	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4,5–Trichlorophenol	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2–Chloronaphthalene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2–Nitroaniline	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethyl Phthalate	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6–Dinitrotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
3–Nitroaniline	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4–Dinitrophenol	10.	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,4–Dinitrotoluene	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4–Nitrophenol	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4–Chlorophenyl Phenyl Ether	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethyl Phthalate	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4–Nitroaniline	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
2–Methyl–4,6–Dinitrophenol	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
N–Nitrosodiphenylamine	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Azobenzene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
4–Bromophenyl Phenyl Ether	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	5.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

Water Quality Analysis Results – December 1990
Semivolatile Organic Counpounds
Issaquah Ground Water Management Program

Laboratory Sample No.		027661	027358	027359	027360	027361	027362	027660	027661	027729
Sample Id#1		I-10	I-8	I-9	I-9D	I-11	I-12	I-2	I-4	I-6
Sample Id#2		23N/06E-27M01	23N/06E-10Q05	23N/06E-29R01	23N/06E-29R01	23N/06E-03K02	23N/06E-28F01	23N/06E-16L05	23N/06E-33C	23N/06E-27C01
Sample Date	DETECTION	12/10/90	12/05/90	12/05/90	12/05/90	12/05/90	12/05/90	12/10/90	12/10/90	12/11/90
Owner	LIMIT	ISSAQUAH	HAYES	POMMER	POMMER	HALL	ZETECK	JOHNSTON	LEROY	JACKSON
Phenanthrene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-Butyl Phthalate	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	100.	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzyl Butyl Phthalate	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)anthracene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
3,3'-Dichlorobenzidine	3.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-Octyl Phthalate	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	2.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(g,h,i)perylene	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND

Water Quality Analysis Results – December 1990
PCB's and Pesticides
Issaquah Ground Water Management Program

Laboratory Sample No.		027663	027358	027359	027360	027361	027362	027660	027661	027729
Sample Id#1		I–10	I–8	I–9	I–9D	I–11	I–12	I–2	I–4	I–6
Sample Id#2		24N/06E–27M01	23N/06E–10Q05	24N/06E–29R01	24N/06E–29R01	23N/06E–03K02	24N/06E–28F01	23N/06E–16L05	23N/06E–33C	23N/06E–27C01
Sample Date	DETECTION	12/10/90	12/05/90	12/05/90	12/05/90	12/05/90	12/05/90	12/10/90	12/10/90	12/11/90
Owner	LIMITS	ISSAQUAH	HAYES	POMMER	POMMER	HALL	ZETECK	JOHNSTON	LEROY	JACKSON
PESTICIDES										
Alpha BHC	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lindane	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor	0.02	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aldrin	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Beta BHC	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
Delta BHC	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Heptachlor Epoxide	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan I	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'–DDE	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dieldrin	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'–DDD	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan II	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND
p,p'–DDT	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endrin Aldehyde	0.10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Endosulfan Sulfate	0.08	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methoxychlor	0.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toxaphene	6.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlordane	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB'S										
Arochlor 1016	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor 1221	2.00	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor 1232	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor 1242	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor 1248	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor 1254	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arochlor 1260	0.50	ND	ND	ND	ND	ND	ND	ND	ND	ND

Water Quality Analysis Results – Cedar Hills Landfill Off-Site Monitoring Wells

Inorganic Compounds

Issaquah Ground Water Management Program

Siteid No.			472725122023801		472646122024201		472646122024201		472646122024201		472714122014101		472714122014101		472714122014101		472714122014101		472714122014101		472714122014101	
Sample Id No.			G-1		G-2		G-2		G-2		G-3		G-3		G-3		G-3		G-3		G-3	
Local No.			23N/06E-28B03		23N/06E-28Q01		23N/06E-28Q01		23N/06E-28Q01		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02	
Date			12/15/87		12/15/87		12/15/87		12/15/87		12/15/87		9/19/88		09/12/89		3/27/90		04/09/91		10/22/91	
Owner	Units	MCL	CEDAR HILLS LF		CEDAR GROVE		CEDAR GROVE		CEDAR GROVE		MITCHELL		MITCHELL		MITCHELL		MITCHELL		MITCHELL		MITCHELL	
Aluminum	(mg/l)	–													0.371		0.462		1.23		6.76	
Antimony	(mg/l)	–	0.005	U	0.005	U					0.005	U			0.01	U	0.004	U	0.019	U	0.019	U
Arsenic	(mg/l)	0.05	0.005	U	0.005	U					0.065		0.068		0.0582		0.0715		0.0724		0.0657	
Barium	(mg/l)	1.0													0.025	U	0.012	B	0.0146	B	0.0441	B
Beryllium	(mg/l)	–	0.001	U	0.001	U					0.001	U			0.0012	U			0.002	U	0.001	U
Cadmium	(mg/l)	0.01	0.001	U	0.001	U					0.001		0.002		0.0024	U	0.005	U	0.002	U	0.004	U
Calcium	(mg/l)	–													12.4		14.6		14.2		16.8	
Chloride	(mg/l)	250																				
Chromium	(mg/l)	0.05	0.001	U	0.001	U					0.002				0.0019	U	0.005	U		U	0.012	
Cobalt	(mg/l)	–																U	0.003	U	0.003	U
Copper	(mg/l)	1.0	0.14		0.002						0.008		0.002		0.008	U	0.005	U	0.0103	B	0.0339	
Cyanide	(mg/l)	–	0.005	U	0.005	U					0.005	U			0.01	U	0.0125	U	0.01	U	0.01	U
Fluoride	(mg/l)	4																				
Iron	(mg/l)	0.30													0.471		0.678		1.63		7.29	
Lead	(mg/l)	0.05	0.01	U	0.01	U					0.01	U	0.005	U	0.0015	B	0.001	U	0.001	U	0.0025	B
Magnesium	(mg/l)	–													2.74	B	3.03	B	3.05	B	5.38	
Manganese	(mg/l)	0.05													0.0224		0.0291		0.0452		0.149	
Mercury	(mg/l)	0.002	0.001	U	0.001	U					0.001	U			0.0002	U	0.0002	U	0.0002	U	0.0002	U
Nickel	(mg/l)	–	0.002	U	0.002	U					0.007		0.002	U	0.0324	B	0.005	U	0.006	U	0.0103	B
Nitrate	(mg/l)	10																				
Potassium	(mg/l)	–													2.57	U	2.65	B	2.68	B	2.8	B
Selenium	(mg/l)	0.01	0.005	U	0.005	U					0.005	U			0.0016	U	0.001	U	0.005	U	0.01	U
Silicon	(mg/l)	–																				
Silver	(mg/l)	0.05	0.001	U	0.001	U					0.001	U					0.002	U	0.003	U	0.003	U
Sodium	(mg/l)	–													83		87.7		82		84.8	
Sulfate	(mg/l)	250																				
Thallium	(mg/l)	–	0.005	U	0.005	U	0.029		0.027		0.005	U			0.0012	U	0.001	U	0.002	U	0.002	U
Tin	(mg/l)	–																				
Vanadium	(mg/l)	–													0.0146	U	0.003	U	0.0039	B	0.0151	B
Zinc	(mg/l)	5.0	0.008	U	0.019	U					0.12	B	0.009	B	0.0156	B	0.0733		0.0386		0.0428	

Water Quality Analysis Results – Cedar Hills Landfill Off-Site Monitoring Wells

Inorganic Compounds

Issaquah Ground Water Management Program

Siteid No.			472843122012601		472843122012601		472843122012601		472843122012601		472843122012601		472843122025702		472843122025702		472843122025702		472843122025702		472739122015801	
Sample Id No.			G-4		G-4		G-4		G-4		G-4		G-5		G-5		G-5		G-5		G-6	
Local No.			23N/06E-15M02		23N/06E-15M02		23N/06E-15M02		23N/06E-15M02		23N/06E-15M02		23N/06E-16L05		23N/06E-16L05		23N/06E-16L05		23N/06E-16L05		23N/06E-22N01	
Date			12/15/87		09/12/89		10/03/90		04/09/91		10/22/91		12/15/87		09/12/89		3/27/90		04/08/91		06/15/68	
Owner	Units	MCL	FOUR CREEKS		FOUR CREEKS		FOUR CREEKS		FOUR CREEKS		FOUR CREEKS		JOHNSTON		JOHNSTON		JOHNSTON		JOHNSTON		MILLER	
Aluminum	(mg/l)	–			0.0978	B	0.079	U	0.026	U	0.098	U			0.038	U			0.0377	B		
Antimony	(mg/l)	–	0.005	U	0.01	U	0.003	U	0.019	U	0.019	U	0.005	U	0.01	U			0.019	U		
Arsenic	(mg/l)	0.05	0.001	U	0.0028	B	0.0022	B	0.0028	B	0.0026	B	0.005	U	0.0028	U			0.002	U		
Barium	(mg/l)	1.0			0.025	U	0.0295	B	0.0043	B	0.002	U			0.025	U			0.0122	B		
Beryllium	(mg/l)	–	0.001	U	0.0012	U	0.0031	B	0.002	U	0.001	U	0.001	U	0.0012	U			0.002	U		
Cadmium	(mg/l)	0.01	0.001	U	0.0024	U	0.002	U	0.002	U	0.004	U	0.001	U	0.0024	U			0.002	U		
Calcium	(mg/l)	–			14.5		13.3		14.5		14.7				13.1				13.4			
Chloride	(mg/l)	250																				
Chromium	(mg/l)	0.05	0.001	U	0.0049	U	0.006	U	0.004	U	0.005	U	0.001	U	0.0049	U			0.004	U		
Cobalt	(mg/l)	–			0.0138	U	0.004	U	0.003	U	0.003	U			0.0138	U			0.003	U		
Copper	(mg/l)	1.0	0.001	U	0.008	U	0.007	U	0.0022	B	0.011	U	0.004		0.008	U			0.0161	B		
Cyanide	(mg/l)	–	0.005	U	0.01	U	0.01	U	0.01	U	0.01	U	0.005	U	0.01	U			0.01	U		
Fluoride	(mg/l)	4																				
Iron	(mg/l)	0.30			0.0197	U	0.025	U	0.0209	B	0.0313	B			0.0262	B			0.0804	B		
Lead	(mg/l)	0.05	0.01	U	0.0012	B	0.001	U	0.001	U	0.001	U	0.01	U	0.0015	B			0.0017	B		
Magnesium	(mg/l)	–			5.3		4.57	B	4.7	B	4.98	B			3.55	B			3.43	B		
Manganese	(mg/l)	0.05			0.0632		0.0575		0.0603		0.0616				0.0027	U			0.0012	B		
Mercury	(mg/l)	0.002	0.001	U	0.0002	U	0.0002	U	0.0002	U	0.0002	U	0.001	U	0.0002	U			0.0002	U		
Nickel	(mg/l)	–	0.002	U	0.0248	B	0.0271	B	0.006	U	0.003	U	0.002		0.022	B			0.006	U		
Nitrate	(mg/l)	10																				
Potassium	(mg/l)	–			2.57	U	0.906	U	0.901	B	0.606	B			2.57	U			1.1	B		
Selenium	(mg/l)	0.01	0.005	U	0.0016	U	0.001	U	0.001	U	0.002	U	0.005	U	0.0016	U			0.005	U		
Silicon	(mg/l)	–																				
Silver	(mg/l)	0.05	0.001	U	0.0046	U	0.003	U	0.003	U	0.003	U	0.001	U	0.0046	U			0.003	U		
Sodium	(mg/l)	–			6.48		6.92		6.4		6.86				5.45				5.75			
Sulfate	(mg/l)	250																				
Thallium	(mg/l)	–	0.005	U	0.0012	U	0.002	U	0.002	U	0.002	U	0.005	U	0.0012	U			0.002	U		
Tin	(mg/l)	–																				
Vanadium	(mg/l)	–			0.0146	U	0.013	U	0.003	U	0.0021	B			0.0146	U			0.0032	B		
Zinc	(mg/l)	5.0	0.011	B	0.0154	U	0.0361		0.0097	B	0.009	B	0.003	B	0.0154	U			0.0304			

Water Quality Analysis Results – Cedar Hills Landfill Off-Site Monitoring Wells

Inorganic Compounds

Issaquah Ground Water Management Program

Siteid No.			472631122030301		472631122030301		472631122030301		472631122030301		472645122005501		472703122013301		472703122013301		472703122013301								472857122035401	
Sample Id No.			G-7		G-7		G-7		G-7		G-8		G-9		G-9		G-9		G-7A		G-7A		G-7A		G-10	
Local No.			23N/06E-33C03		23N/06E-33C03		23N/06E-33C03		23N/06E-33C03		23N/06E-27R01		23N/06E-22P03		23N/06E-22P03		23N/06E-22P03								23N/06E-17C01	
Date			09/19/88		10/03/90		04/09/91		10/22/91		09/19/88		09/12/89		3/27/90		10/22/91		3/27/90		10/03/90		04/17/91		09/12/89	
Owner	Units	MCL	LEMON		LEMON		LEMON		LEMON		MAZAMA WOO		SNEVA		SNEVA		SNEVA		LEMON		LEMON		LEMON		VERSCHAEVE	
Aluminum	(mg/l)	–			0.079	U	0.4		0.107	B			0.038	U	0.127	B	0.615		0.121	B	0.079	U	0.0472	B	0.038	U
Antimony	(mg/l)	–	0.005	U	0.003	U	0.019	U	0.019	U	0.005	U	0.01	U	0.004	U	0.019	U	0.004	U	0.003	U	0.019	U	0.01	U
Arsenic	(mg/l)	0.05	0.001	U	0.002	U	0.002	U	0.001	U	0.005	U	0.0028	U	0.003	U	0.001	U	0.003	U	0.002	U	0.002	U	0.0028	U
Barium	(mg/l)	1.0			0.014	U	0.0034	B	0.002	U			0.025	U	0.008	U	0.0042	B	0.008	U	0.014	U	0.0043	B	0.025	U
Beryllium	(mg/l)	–	0.001	U	0.0031	B	0.002	U	0.001	U	0.001	U	0.0012	U	0.001	U	0.001	U	0.001	U	0.0031	U	0.002	U	0.0012	U
Cadmium	(mg/l)	0.01	0.001	U	0.002	U	0.002	U	0.004	U	0.001	U	0.0024	U	0.0055		0.004	U	0.005	U	0.002	U	0.002	U	0.0024	U
Calcium	(mg/l)	–			12.6		14.1		13.1				7.77		9		7.89		7.41		8.9		9.77		12.2	
Chloride	(mg/l)	250																								
Chromium	(mg/l)	0.05	0.001	U	0.006	U	0.004	U	0.005	U	0.001	U	0.0049	U	0.005	U	0.005	U	0.005	U	0.006	U	0.004	U	0.0049	U
Cobalt	(mg/l)	–			0.004	U	0.003	U	0.003	U			0.0138	U	0.002	U	0.003	U	0.002	U	0.004	U	0.003	U	0.0138	U
Copper	(mg/l)	1.0	0.001		0.007	U	0.0023	B	0.011	U	0.003		0.0173	B	0.005	U	0.011	U	0.005	U	0.007	U	0.0027	B	0.008	U
Cyanide	(mg/l)	–	0.005	U	0.01	U	0.01	U	0.01	U	0.005	U	0.01	U	0.0128	U	0.01	U	0.0127	U	0.01	U	0.01	U	0.01	U
Fluoride	(mg/l)	4																								
Iron	(mg/l)	0.30			4.75		5.63		5.17				0.0894	B	0.033	U	3.29		0.166		4.13		0.146		0.206	B
Lead	(mg/l)	0.05	0.008		0.001	U	0.001	U	0.001	B	0.005	U	0.0008	U	0.001	U	0.0088		0.001	U	0.001	U	0.001	U	0.0008	U
Magnesium	(mg/l)	–			4.57	B	4.91	B	4.77	B			2.27	B	2.32	B	2.2	B	1.97	B	2.31	B	2.46	B	3.55	B
Manganese	(mg/l)	0.05			0.281		0.321		0.29				0.0038	B	0.001	U	0.0363		0.001	U	0.003	U	0.0043	B	0.0027	U
Mercury	(mg/l)	0.002	0.001	U	0.0002	U	0.0002	U	0.0002	U	0.001	U	0.0002	U	0.0002	U	0.0002	U	0.005		0.0002	U	0.0002	U	0.0002	U
Nickel	(mg/l)	–	0.002	U	0.007	U	0.006	U	0.003	U	0.002	U	0.0186	B	0.005	U	0.003	U	0.005	U	0.007	U	0.006	U	0.0161	U
Nitrate	(mg/l)	10																								
Potassium	(mg/l)	–			0.906	U	0.65	B	0.602	B			2.57	U	0.649	B	0.643	B	1.39	B	0.906	U	1.85	B	2.57	U
Selenium	(mg/l)	0.01	0.005	U	0.001	U	0.005	U	0.002	U	0.005	U	0.0016	U	0.001	U	0.002	U	0.001	U	0.001	U	0.001	U	0.0016	U
Silicon	(mg/l)	–																								
Silver	(mg/l)	0.05	0.001	U			0.003	U	0.003	U	0.001	U	0.0046	U	0.002	U	0.003	U	0.002	U	0.003	U	0.003	U	0.0046	U
Sodium	(mg/l)	–			5.31		4.89	B	5				4.38	B	5.43		4.4	B	5.59		5.68		5.53		5.8	B
Sulfate	(mg/l)	250																								
Thallium	(mg/l)	–	0.005	U	0.002	U	0.002	U	0.002	U	0.005	U	0.0012	U	0.001	U	0.002	U	0.001	U	0.002	U	0.002	U	0.0012	U
Tin	(mg/l)	–																								
Vanadium	(mg/l)	–			0.013	U	0.003	U	0.002	U			0.0146	U	0.003	U	0.0032	B	0.003	U	0.013	U	0.003	U	0.0146	U
Zinc	(mg/l)	5.0	0.094	B	0.145		0.129		0.118		0.11	B	0.0154	U	0.009	B	0.0217		0.008	U	0.0311		0.0294		0.0154	U

Water Quality Analysis Results – Cedar Hills Landfill Off-Site Monitoring Wells
Volatile and Semivolatile Organic Compounds
Issaquah Ground Water Management Program

Siteid No.		472725122023801		472646122024201		472646122024201		472646122024201		472714122014101		472714122014101		472714122014101		472714122014101		472714122014101		472714122014101	
Sample Id No.		G-1		G-2		G-2		G-2		G-3		G-3		G-3		G-3		G-3		G-3	
Local No.		23N/06E-28B03		23N/06E-28Q01		23N/06E-28Q01		23N/06E-28Q01		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02	
Date		12/15/87		12/15/87		12/15/87		12/15/87		12/15/87		9/19/88		09/12/89		3/27/90		04/09/91		10/22/91	
Owner	Units	CEDAR HILLS LF		CEDAR GROVE		CEDAR GROVE		CEDAR GROVE		MITCHELL		MITCHELL		MITCHELL		MITCHELL		MITCHELL		MITCHELL	
Chloromethane	(ug/l)	1	U	1	U					1	U	1	U	10	U	1	U	1	U	1	U
Bromomethane	(ug/l)	1	U	1	U					1	U	1	U	10	U	1	U	1	U	1	U
Vinyl Chloride	(ug/l)	1	U	1	U					1	U	1	U	10	U	1	U	1	U	1	U
Chloroethane	(ug/l)	3	U	3	U					3	U	3	U	10	U	3	U	3	U	3	U
Methylene Chloride	(ug/l)	1	U	1	U					1	U	1	U	5	U	1	U	1	U	1	U
Acrolein	(ug/l)	5	U	5	U					5	U	5	U	5	U	5	U	5	U	5	U
Acetone	(ug/l)	5	U	5	U					5	U	5	U	29		5	U	5	U	5	U
Acrylonitrile	(ug/l)	5	U	5	U					5	U	5	U	5	U	5	U	5	U	5	U
Carbon Disulfide	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethylene	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethylene	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
Chloroform (THM)	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
2-Butanone	(ug/l)	3	U	3	U					3	U	3	U	3	U	3	U	3	U	3	U
1,2-Dichloroethane	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
1,1,1-Trichloroethane	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
Carbon Tetrachloride	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
Vinyl Acetate	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane (THM)	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethylene	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
Benzene	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
Chlorodibromomethane (THM)	(ug/l)	3	U	3	U					3	U	3	U	3	U	3	U	3	U	3	U
1,1,2-Trichloroethane	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
2-Chloroethyl vinyl ether	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
Bromoform (THM)	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
4-Methyl-2-pentanone	(ug/l)	3	U	3	U					3	U	3	U	3	U	3	U	3	U	3	U
2-Hexanone	(ug/l)	3	U	3	U					3	U	3	U	3	U	3	U	3	U	3	U
1,1,2,2-Tetrachloroethane	(ug/l)	3	U	3	U					3	U	3	U	3	U	3	U	3	U	3	U
Tetrachloroethylene	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
Toluene	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	(ug/l)	3	U	3	U					3	U	3	U	3	U	3	U	3	U	3	U
trans-1,3-Dichloropropene	(ug/l)	3	U	3	U					3	U	3	U	3	U	3	U	3	U	3	U
Ethylbenzene	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-dichloropropene	(ug/l)	3	U	3	U					3	U	3	U	3	U	3	U	3	U	3	U
Styrene	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
Total Xylenes	(ug/l)	1	U	1	U					1	U	1	U	1	U	1	U	1	U	1	U
bis(2-chloroethyl)ether	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
2-Chlorophenol	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
1,3-Dichlorobenzene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Hexachloroethane	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
N-nitroso-di-n-propylamine	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Nitrobenzene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Isophorone	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
2-Nitrophenol	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
2,4-Dimethylphenol	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U

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Volatile and Semivolatile Organic Compounds
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Siteid No.		472843122012601		472843122012601		472843122012601		472843122012601		472843122012601		472843122025702		472843122025702		472843122025702		472843122025702		472739122015801	
Sample Id No.		G-4		G-4		G-4		G-4		G-4		G-5		G-5		G-5		G-5		G-6	
Local No.		23N/06E-15M02		23N/06E-15M02		23N/06E-15M02		23N/06E-15M02		23N/06E-15M02		23N/06E-16L05		23N/06E-16L05		23N/06E-16L05		23N/06E-16L05		23N/06E-22N01	
Date		12/15/87		09/12/89		10/03/90		04/09/91		10/22/91		12/15/87		09/12/89		3/27/90		04/08/91		06/15/88	
Owner	Units	FOUR CREEKS		FOUR CREEKS		FOUR CREEKS		FOUR CREEKS		FOUR CREEKS		JOHNSTON		JOHNSTON		JOHNSTON		JOHNSTON		MILLER	
Chloromethane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl Chloride	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Methylene Chloride	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Acrolein	(ug/l)	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	(ug/l)	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acrylonitrile	(ug/l)	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon Disulfide	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethylene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichloroethylene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform (THM)	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Butanone	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
1,2-Dichloroethane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,1-Trichloroethane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon Tetrachloride	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl Acetate	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane (THM)	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethylene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Benzene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorodibromomethane (THM)	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
1,1,2-Trichloroethane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Chloroethyl vinyl ether	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform (THM)	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
4-Methyl-2-pentanone	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
2-Hexanone	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
1,1,2,2-Tetrachloroethane	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Tetrachloroethylene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Toluene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
trans-1,3-Dichloropropene	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Ethylbenzene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-dichloropropene	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Styrene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Total Xylenes	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
bis(2-chloroethyl)ether	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Chlorophenol	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,3-Dichlorobenzene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Hexachloroethane	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
N-nitroso-di-n-propylamine	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Nitrobenzene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Isophorone	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	1	J	2	U
2-Nitrophenol	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
2,4-Dimethylphenol	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U

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Siteid No.		472631122030301		472631122030301		472631122030301		472631122030301		472645122005501		472703122013301		472703122013301		472703122013301								472857122035401	
Sample Id No.		G-7		G-7		G-7		G-7		G-8		G-9		G-9		G-9		G-7A		G-7A		G-7A		G-10	
Local No.		23N/06E-33C03		23N/06E-33C03		23N/06E-33C03		23N/06E-33C03		23N/06E-27R01		23N/06E-22P03		23N/06E-22P03		23N/06E-22P03								23N/06E-17G01	
Date		09/19/88		10/03/90		04/09/91		10/22/91		09/19/88		09/12/89		3/27/90		10/22/91		3/27/90		10/03/90		04/17/91		09/12/89	
Owner	Units	LEMON		LEMON		LEMON		LEMON		MAZAMA WOC		SNEVA		SNEVA		SNEVA		LEMON		LEMON		LEMON		VERSCHAEVE	
Chloromethane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl Chloride	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Methylene Chloride	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Acrolein	(ug/l)	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	(ug/l)	5	U	5	U	5	U	5	U	5	U	5	U	5	U	2	JB	5	U	5	U	5	U	5	U
Acrylonitrile	(ug/l)	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U
Carbon Disulfide	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethylene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
trans-1,2-Dichlroethylene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform (THM)	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Butanone	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
1,2-Dichloroethane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,1,1-Trichloroethane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Carbon Tetrachloride	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl Acetate	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane (THM)	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethylene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Benzene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorodibromomethane (THM)	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
1,1,2-Trichloroethane	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
2-Chloroethyl vinyl ether	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform (THM)	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
4-Methyl-2-pentanone	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
2-Hexanone	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
1,1,2,2-Tetrachloroethane	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Tetrachloroethylene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Toluene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
trans-1,3-Dichloropropene	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Ethylbenzene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
cis-1,3-dichloropropene	(ug/l)	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U
Styrene	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
Total Xylenes	(ug/l)	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U	1	U
bis(2-chloroethyl)ether	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Chlorophenol	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,3-Dichlorobenzene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Hexachloroethane	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
N-nitroso-di-n-propylamine	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Nitrobenzene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Isophorone	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Nitrophenol	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
2,4-Dimethylphenol	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U

Water Quality Analysis Results – Cedar Hills Landfill Off-Site Monitoring Wells
Volatile and Semivolatile Organic Compounds
Issaquah Ground Water Management Program

Siteid No.		472725122023601		472646122024201		472646122024201		472646122024201		472714122014101		472714122014101		472714122014101		472714122014101		472714122014101		472714122014101	
Sample Id No.		G-1		G-2		G-2		G-2		G-3		G-3		G-3		G-3		G-3		G-3	
Local No.		23N/06E-28B03		23N/06E-28Q01		23N/06E-28Q01		23N/06E-28Q01		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02	
Date		12/15/87		12/15/87		12/15/87		12/15/87		12/15/87		9/19/88		09/12/89		3/27/90		04/09/91		10/22/91	
Owner	Units	CEDAR HILLS LF		CEDAR GROVE		CEDAR GROVE		CEDAR GROVE		MITCHELL		MITCHELL		MITCHELL		MITCHELL		MITCHELL		MITCHELL	
2,4-Dichlorophenol	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
1,2,4-Trichlorobenzene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Naphthalene	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
Hexachlorobutadiene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
4-Chloro-m-cresol	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
Hexachlorocyclopentadiene	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
2,4,6-Trichlorophenol	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
2-Chloronapthalene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Acenapthylene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Dimethylphthalate	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
2,6-Dinitrotoluene	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
Acenapthene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
2,4-Dinitrophenol	(ug/l)	20	U	20	U					20	U	20	U	20	U	20	U	20	U	20	U
2,4-Dinitrotoluene	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
4-Nitrophenol	(ug/l)	20	U	20	U					20	U	20	U	20	U	20	U	20	U	20	U
Fluorene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
4-Chlorophenyl phenyl ether	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Diethylphthalate	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
4,6-Dinitro-o-cresol	(ug/l)	20	U	20	U					20	U	20	U	20	U	20	U	20	U	20	U
4-Bromophenyl phenyl ether	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
Hexachlorobenzene	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
Pentachlorophenol	(ug/l)	20	U	20	U					20	U	20	U	20	U	20	U	20	U	20	U
Phenanthrene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Anthracene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Dibutyphthalate	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Fluoranthene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Pyrene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Benzidine	(ug/l)	50	U	50	U					50	U	50	U	50	U	50	U	50	U	50	U
Butyl benzyl phthalate	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Benzo(a)anthracene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Chrysene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
3,3'Dichlorobenzidine	(ug/l)	20	U	20	U					20	U	20	U	20	U	20	U	20	U	20	U
Bis(2-ethylhexyl)phthalate	(ug/l)	2	U	2	U					2	U	2	U	2	U	1	JB	2	U	1	J
N-nitrosodiphenylamine	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Di-n-octyl phthalate	(ug/l)	2	U	2	U					2	U	2	U	2	U	1	J	2	U	2	U
Benzo(b)fluoranthene	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
Benzo(a)fluoranthene	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
Benzo(a)pyrene	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
Indeno(1,2,3-cd)pyrene	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
Dibenzo(ah)anthracene	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
Benzo(ghi)perylene	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
Aniline	(ug/l)	10	U	10	U					10	U	10	U	10	U	10	U	10	U	10	U
Benzoic Acid	(ug/l)	50	U	50	U					50	U	50	U	50	U	50	U	50	U	50	U
Benyl Alcohol	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
4-Chloroaniline	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
Dibenzofuran	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
2-Methylnaphthalene	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
2-Methylphenol	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
4-Methylphenol	(ug/l)	2	U	2	U					2	U	2	U	2	U	2	U	2	U	2	U
2-Nitroaniline	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
3-Nitroaniline	(ug/l)	10	U	10	U					10	U	10	U	10	U	10	U	10	U	10	U
4-Nitroaniline	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U
2,4,5-Trichlorophenol	(ug/l)	4	U	4	U					4	U	4	U	4	U	4	U	4	U	4	U

Water Quality Analysis Results – Cedar Hills Landfill Off-Site Monitoring Wells
Volatile and Semivolatile Organic Compounds
Issaquah Ground Water Management Program

Siteid No.		472843122012601		472843122012601		472843122012601		472843122012601		472843122012601		472843122025702		472843122025702		472843122025702		472843122025702		472739122015801	
Sample Id No.		G-4		G-4		G-4		G-4		G-4		G-5		G-5		G-5		G-5		G-6	
Local No.		23N/06E-15M02		23N/06E-15M02		23N/06E-15M02		23N/06E-15M02		23N/06E-15M02		23N/06E-16L05		23N/06E-16L05		23N/06E-16L05		23N/06E-16L05		23N/06E-22N01	
Date		12/15/87		09/12/89		10/03/90		04/09/91		10/22/91		12/15/87		09/12/89		3/27/90		04/08/91		06/15/88	
Owner	Units	FOUR CREEKS		FOUR CREEKS		FOUR CREEKS		FOUR CREEKS		FOUR CREEKS		JOHNSTON		JOHNSTON		JOHNSTON		JOHNSTON		MILLER	
2,4-Dichlorophenol	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
1,2,4-Trichlorobenzene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Naphthalene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Hexachlorobutadiene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Chloro-m-cresol	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Hexachlorocyclopentadiene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
2,4,6-Trichlorophenol	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
2-Chloronapthalene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Acenapthylene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Dimethylphthalate	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2,6-Dinitrotoluene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Acenapthene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2,4-Dinitrophenol	(ug/l)	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
2,4-Dinitrotoluene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
4-Nitrophenol	(ug/l)	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Fluorene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Chlorophenyl phenyl ether	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Diethylphthalate	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4,6-Dinitro-o-cresol	(ug/l)	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
4-Bromophenyl phenyl ether	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Hexachlorobenzene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Pentachlorophenol	(ug/l)	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Phenanthrene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Anthracene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Dibutlyphthalate	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Fluoranthene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Pyrene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Benzidine	(ug/l)	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U
Butyl benzyl phthalate	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Benzo(a)anthracene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Chrysene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
3,3'Dichlorobenzidine	(ug/l)	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Bis(2-ethylhexyl)phthalate	(ug/l)	5	B	2	U	15	B	2	U	1	J	2	U	4	J	1	JB	2	U	4	B
N-nitrosodiphenylamine	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Di-n-octyl phthalate	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Benzo(b)fluoranthene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Benzo(a)fluoranthene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Benzo(a)pyrene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Indeno(1,2,3-cd)pyrene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Dibenzo(ah)anthracene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Benzo(ghi)perylene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Aniline	(ug/l)	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Benzoic Acid	(ug/l)	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U
Benyl Alcohol	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Chloroaniline	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Dibenzofuran	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylnaphthalene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylphenol	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Methylphenol	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Nitroaniline	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
3-Nitroaniline	(ug/l)	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Nitroaniline	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
2,4,5-Trichlorophe	(ug/l)	4	U	4	U	4	U	4	U	[illegible]	U	4	U	4	U	4	U	4	U	4	U

Water Quality Analysis Results – Cedar Hills Landfill Off-Site Monitoring Wells
Volatile and Semivolatile Organic Compounds
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Siteid No.		472631122030301		472631122030301		472631122030301		472631122030301		472645122005501		472703122013301		472703122013301		472703122013301								472857122035401	
Sample Id No.		G-7		G-7		G-7		G-7		G-8		G-9		G-9		G-9		G-7A		G-7A		G-7A		G-10	
Local No.		23N/06E-33C03		23N/06E-33C03		23N/06E-33C03		23N/06E-33C03		23N/06E-27R01		23N/06E-22P03		23N/06E-22P03		23N/06E-22P03								23N/06E-17C01	
Date		09/19/88		10/03/90		04/09/91		10/22/91		09/19/88		09/12/89		3/27/90		10/22/91		3/27/90		10/03/90		04/17/91		09/12/89	
Owner	Units	LEMON		LEMON		LEMON		LEMON		MAZAMA WOO		SNEVA		SNEVA		SNEVA		LEMON		LEMON		LEMON		VERSCHAEVE	
2,4-Dichlorophenol	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
1,2,4-Trichlorobenzene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Naphthalene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Hexachlorobutadiene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Chloro-m-cresol	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Hexachlorocyclopentadiene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
2,4,6-Trichlorophenol	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
2-Chloronapthalene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Acenapthylene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Dimethylphthalate	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2,6-Dinitrotoluene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Acenapthene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2,4-Dinitrophenol	(ug/l)	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
2,4-Dinitrotoluene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
4-Nitrophenol	(ug/l)	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Fluorene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Chlorophenyl phenyl ether	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Diethylphthalate	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4,6-Dinitro-o-cresol	(ug/l)	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
4-Bromophenyl phenyl ether	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Hexachlorobenzene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Pentachlorophenol	(ug/l)	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Phenanthrene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Anthracene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Dibutylphthalate	(ug/l)	2	U	2	U	2	U	2	U	2		2	U	2		2	U	2	U	2	U	2	U	2	U
Fluoranthene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Pyrene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Benzidine	(ug/l)	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U
Butyl benzyl phthalate	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	1	J	2	U	2	U	2	U	2	U
Benzo(a)anthracene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Chrysene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
3,3'Dichlorobenzidine	(ug/l)	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U
Bis(2-ethylhexyl)phthalate	(ug/l)	2	U	18	B	18	--	1	J	2	U	2	U	1	JB	4	J	1	JB	6	JB	2	U	2	J
N-nitrosodiphenylamine	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Di-n-octyl phthalate	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Benzo(b)fluoranthene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Benzo(a)fluoranthene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Benzo(a)pyrene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Indeno(1,2,3-cd)pyrene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Dibenzo(ah)anthracene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Benzo(ghi)perylene	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
Aniline	(ug/l)	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Benzoic Acid	(ug/l)	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U
Benzyl Alcohol	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Chloroaniline	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
Dibenzofuran	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylnaphthalene	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylphenol	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
4-Methylphenol	(ug/l)	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U
2-Nitroaniline	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
3-Nitroaniline	(ug/l)	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Nitroaniline	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U
2,4,5-Trichlorophenol	(ug/l)	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U	4	U

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Pesticides and PCB Compounds
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Siteid No.		472725122023801		472646122024201		472646122024201		472646122024201		472714122014101		472714122014101		472714122014101		472714122014101		472714122014101		472714122014101	
Sample Id No.		G-1		G-2		G-2		G-2		G-3		G-3		G-3		G-3		G-3		G-3	
Local No.		23N/06E-28B03		23N/06E-28Q01		23N/06E-28Q01		23N/06E-28Q01		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02		23N/06E-27F02	
Date		12/15/87		12/15/87		12/15/87		12/15/87		12/15/87		9/19/88		09/12/89		3/27/90		04/09/91		10/22/91	
Owner	Units	CEDAR HILLS LF		CEDAR GROVE		CEDAR GROVE		CEDAR GROVE		MITCHELL		MITCHELL		MITCHELL		MITCHELL		MITCHELL		MITCHELL	
Aldrin	(ug/l)	0.05	U	0.05	U					0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Alpha-BHC	(ug/l)	0.05	U	0.05	U					0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Alpha-endosulfan	(ug/l)	0.05	U	0.05	U					0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Beta-endosulfan	(ug/l)	0.10	U	0.10	U					0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Beta-BHC	(ug/l)	0.05	U	0.05	U					0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Chlordane	(ug/l)	0.50	U	0.50	U					0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
4,4-DDD	(ug/l)	0.10	U	0.10	U					0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDE	(ug/l)	0.10	U	0.10	U					0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4-DDT	(ug/l)	0.10	U	0.10	U					0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Delta-BHC	(ug/l)	0.05	U	0.05	U					0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Dieldrin	(ug/l)	0.10	U	0.10	U					0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Gamma-BHC	(ug/l)	0.05	U	0.05	U					0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Endosulfan sulfate	(ug/l)	0.10	U	0.10	U					0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin	(ug/l)	0.10	U	0.10	U					0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin ketone	(ug/l)	0.10	U	0.10	U					0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Heptachlor	(ug/l)	0.05	U	0.05	U					0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor-epoxide	(ug/l)	0.05	U	0.05	U					0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Methoxychlor	(ug/l)	0.50	U	0.50	U					0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toxaphene	(ug/l)	1.00	U	1.00	U					1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
PCB-1016	(ug/l)	0.50	U	0.50	U					0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1221	(ug/l)	0.50	U	0.50	U					0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1232	(ug/l)	0.50	U	0.50	U					0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1242	(ug/l)	0.50	U	0.50	U					0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1248	(ug/l)	0.50	U	0.50	U					0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1254	(ug/l)	1.00	U	1.00	U					1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
PCB-1260	(ug/l)	1.00	U	1.00	U					1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U

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Siteid No.		472843122012601		472843122012601		472843122012601		472843122012601		472843122012601		472843122025702		472843122025702		472843122025702		472843122025702		472739122015801	
Sample Id No.		G-4		G-4		G-4		G-4		G-4		G-5		G-5		G-5		G-5		G-6	
Local No.		23N/06E-15M02		23N/06E-15M02		23N/06E-15M02		23N/06E-15M02		23N/06E-15M02		23N/06E-16L05		23N/06E-16L05		23N/06E-16L05		23N/06E-16L05		23N/06E-22N01	
Date		12/15/87		09/12/89		10/03/90		04/09/91		10/22/91		12/15/87		09/12/89		3/27/90		04/08/91		06/15/88	
Owner	Units	FOUR CREEKS		FOUR CREEKS		FOUR CREEKS		FOUR CREEKS		FOUR CREEKS		JOHNSTON		JOHNSTON		JOHNSTON		JOHNSTON		MILLER	
Aldrin	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Alpha-BHC	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Alpha-endosulfan	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Beta-endosulfan	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Beta-BHC	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Chlordane	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
4,4-DDD	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDE	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4-DDT	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Delta-BHC	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Dieldrin	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Gamma-BHC	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Endosulfan sulfate	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin ketone	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Heptachlor	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor-epoxide	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Methoxychlor	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toxaphene	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1016	(ug/l)	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
PCB-1221	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1232	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1242	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1248	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1254	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1260	(ug/l)	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U

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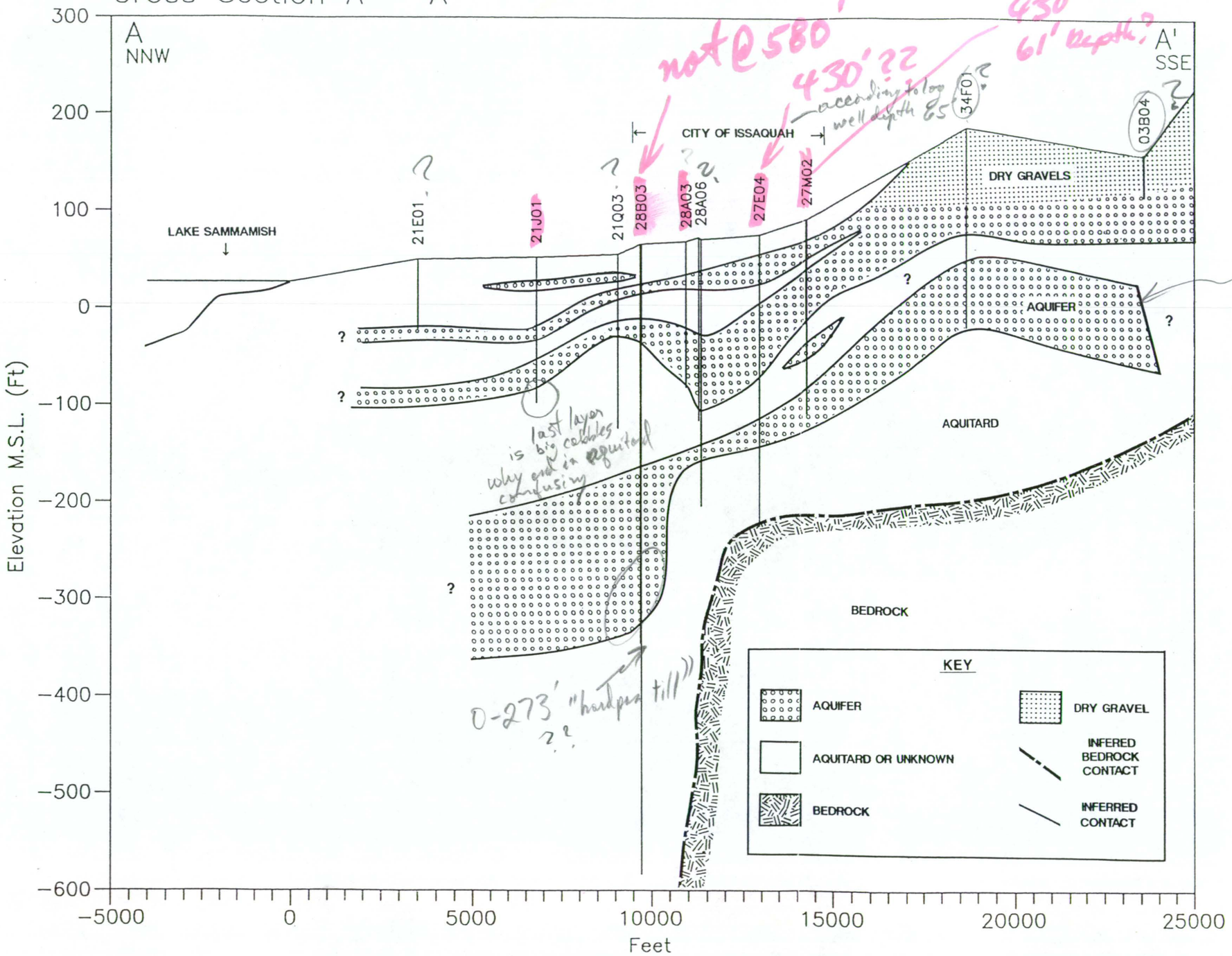
Siteid No.		472631122030301		472631122030301		472631122030301		472631122030301		472645122005501		472703122013301		472703122013301		472703122013301								472857122035401	
Sample Id No.		G-7		G-7		G-7		G-7		G-8		G-9		G-9		G-9		G-7A		G-7A		G-7A		G-10	
Local No.		23N/06E-33C03		23N/06E-33C03		23N/06E-33C03		23N/06E-33C03		23N/06E-27R01		23N/06E-22P03		23N/06E-22P03		23N/06E-22P03								23N/06E-17G01	
Date		09/19/88		10/03/90		04/09/91		10/22/91		09/19/88		09/12/89		3/27/90		10/22/91		3/27/90		10/03/90		04/17/91		09/12/89	
Owner	Units	LEMON		LEMON		LEMON		LEMON		MAZAMA WOC		SNEVA		SNEVA		SNEVA		LEMON		LEMON		LEMON		VERSCHAEVE	
Aldrin	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Alpha-BHC	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Alpha-endosulfan	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Beta-endosulfan	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Beta-BHC	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Chlordane	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
4,4-DDD	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4'-DDE	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
4,4-DDT	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Delta-BHC	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Dieldrin	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Gamma-BHC	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Endosulfan sulfate	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Endrin ketone	(ug/l)	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U	0.10	U
Heptachlor	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor-epoxide	(ug/l)	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Methoxychlor	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Toxaphene	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1016	(ug/l)	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U
PCB-1221	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1232	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1242	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1248	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1254	(ug/l)	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
PCB-1260	(ug/l)	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U	1.00	U

FIGURE 3.2A

Issaquah Creek Valley Ground Water Management Area
Cross Section A – A'



50 total
19 ? Missing
7 Wrong Elev.
2 " Depth

FIGURE 3.2B

Issaquah Creek Valley Ground Water Management Area
Cross Section A – A'

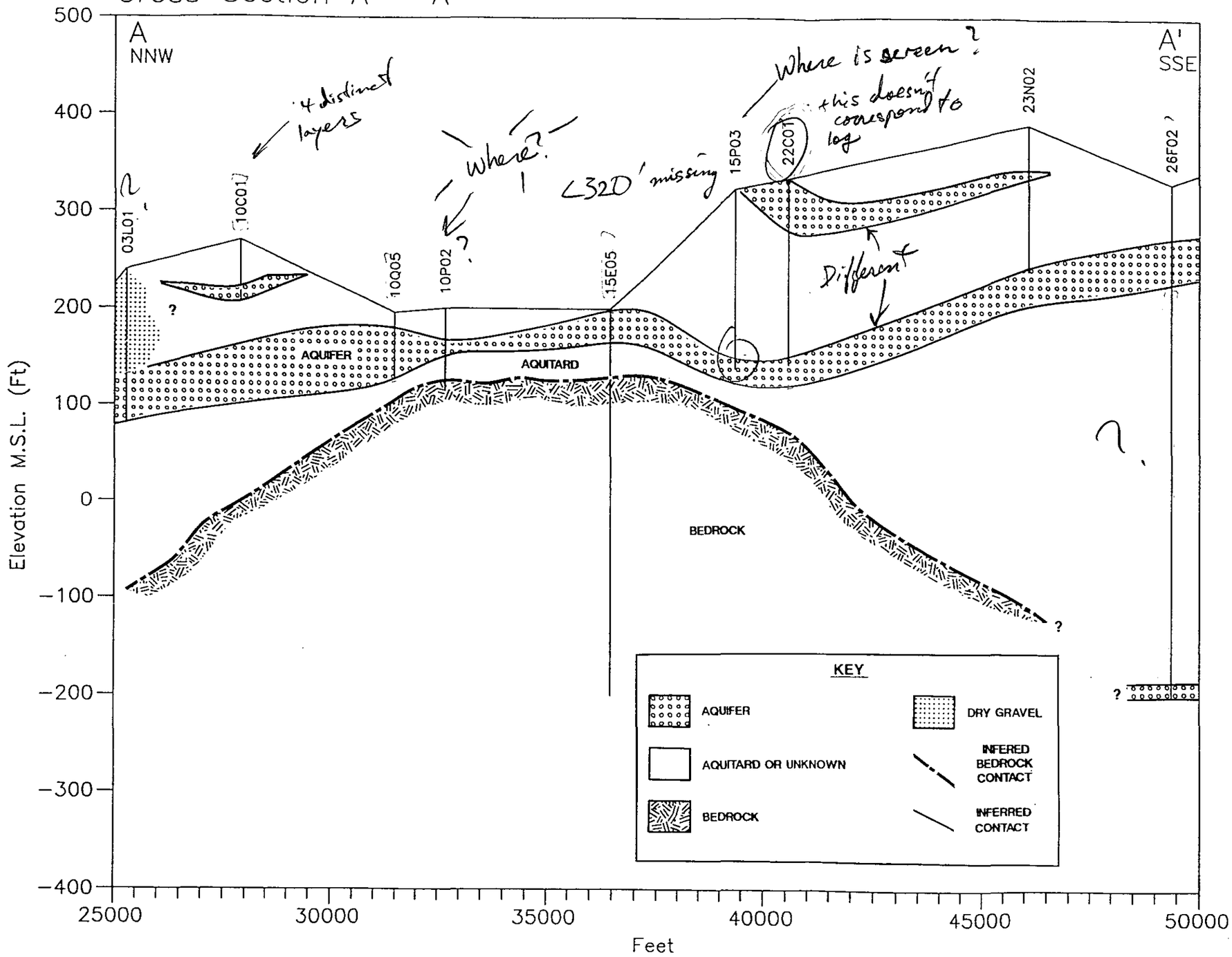
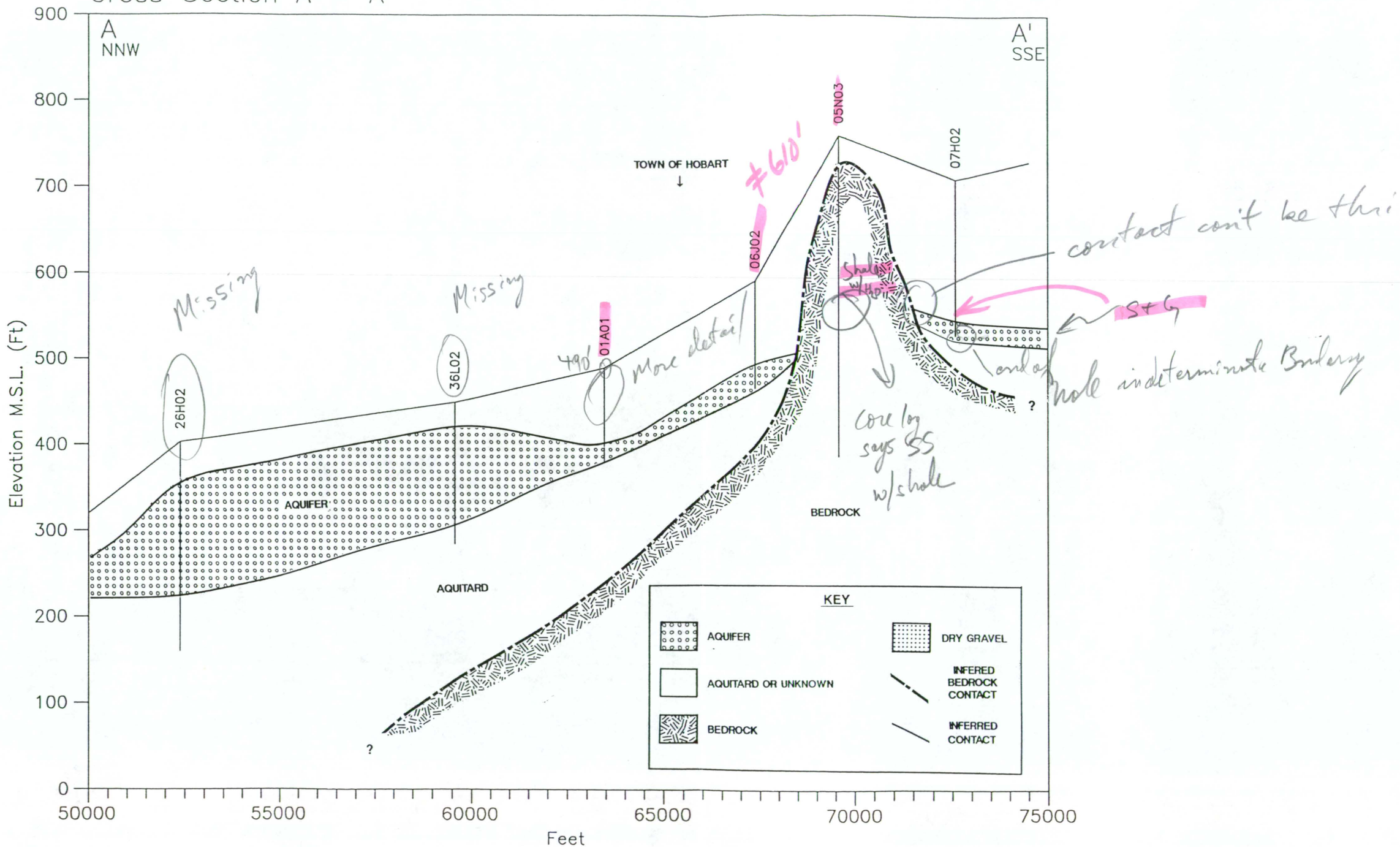


FIGURE 3.2C

Issaquah Creek Valley Ground Water Management Area
Cross Section A – A'



Issaquah Creek Valley Ground Water Management Area
Cross Section B — B'

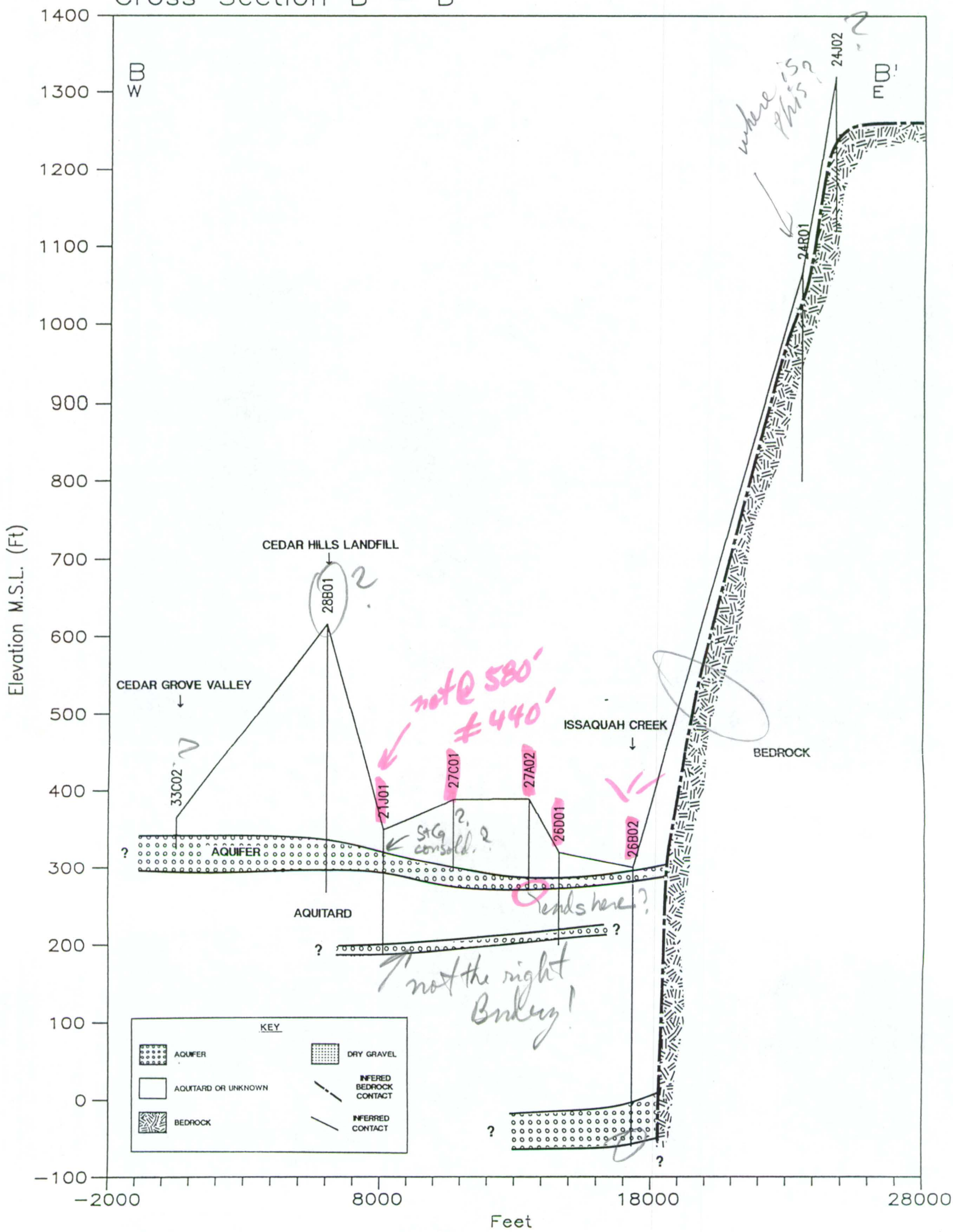


FIGURE 3.3

FIGURE 3.4

Issaquah Creek Valley Ground Water Management Area
Cross Section C – C'

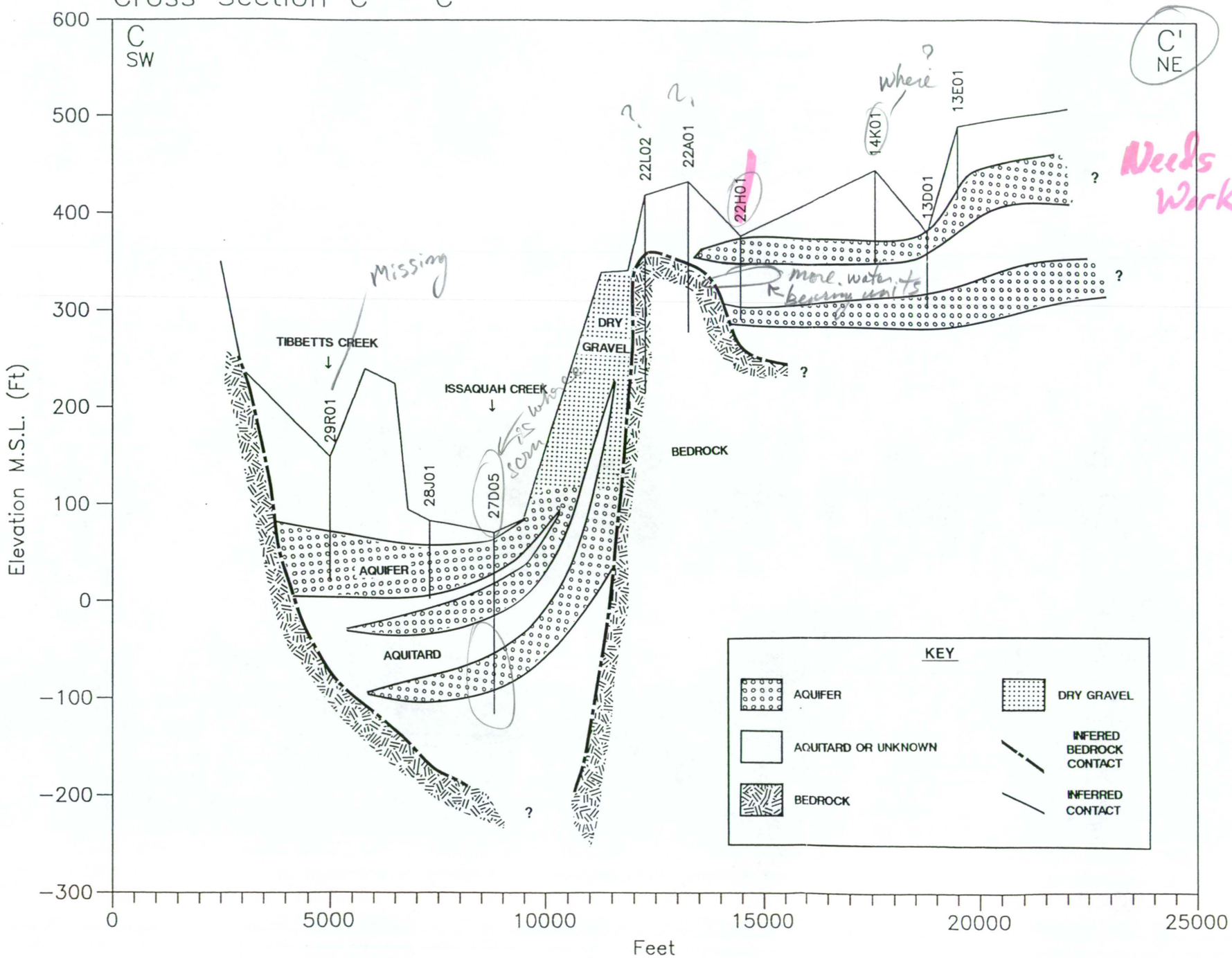
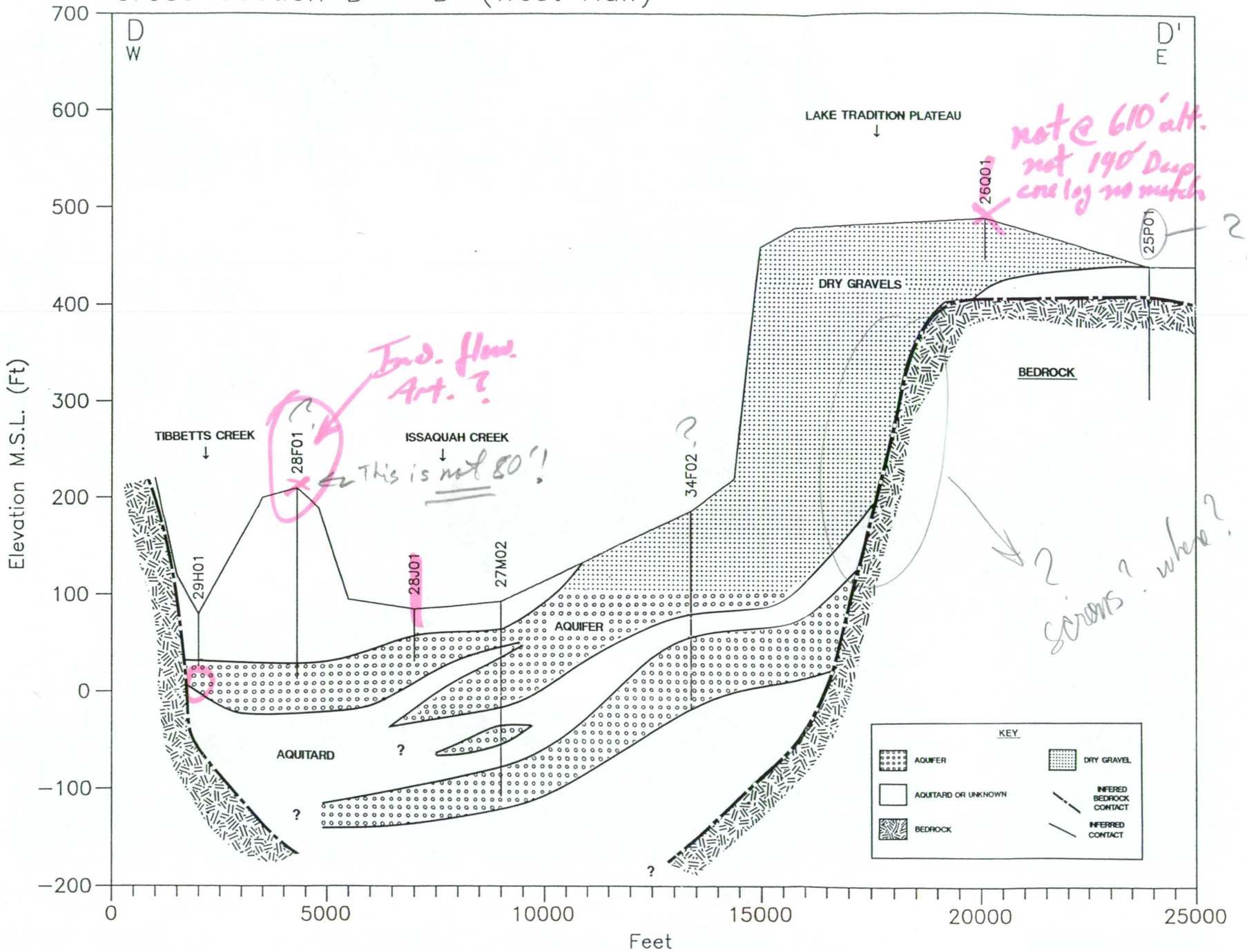
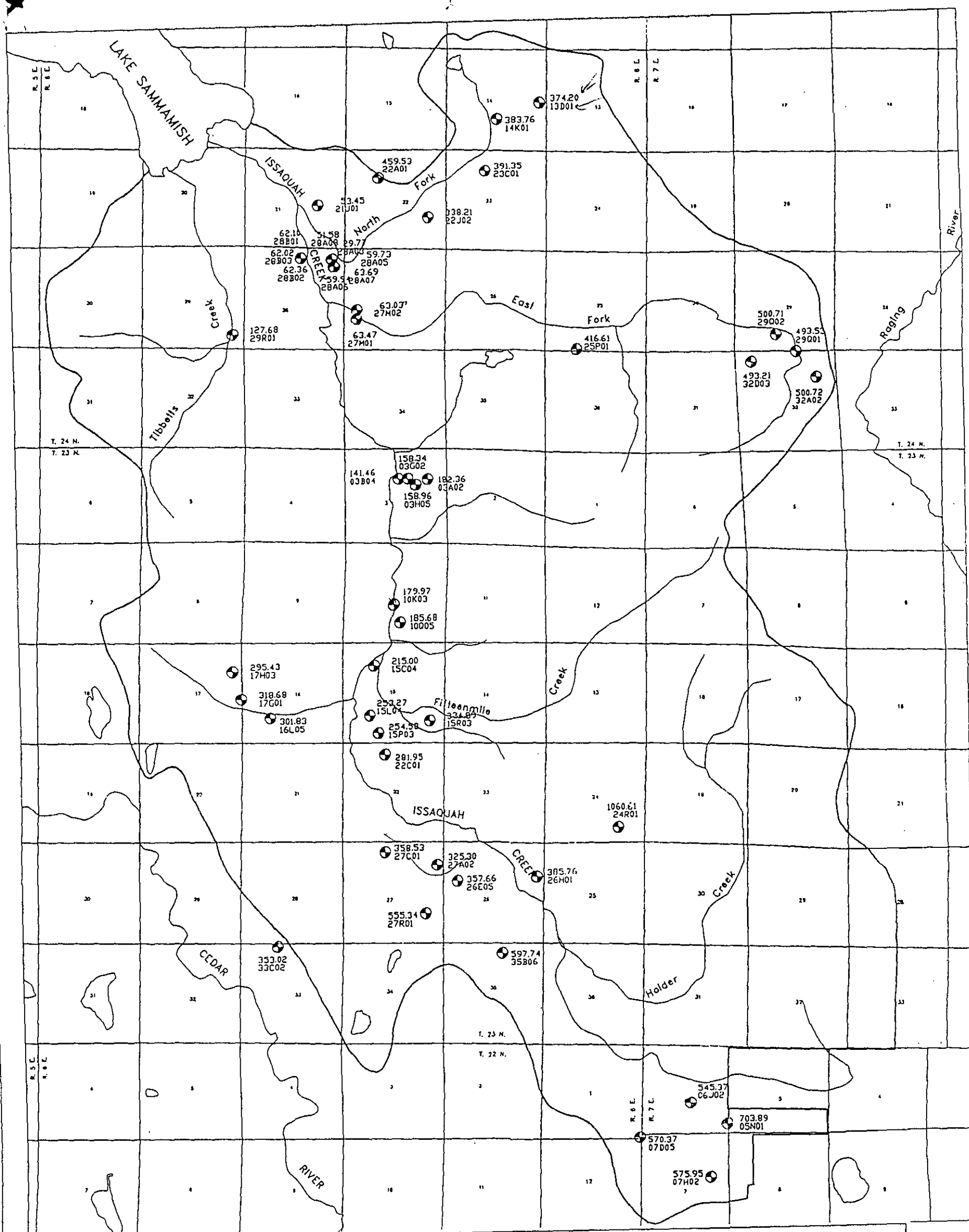


FIGURE 3.5A

Issaquah Creek Valley Ground Water Management Area
Cross Section D – D' (West Half)





MAP LEGEND

338.21 — WATER LEVEL

22J02 — WELL INCLUDED IN MONTHLY MONITORING

LOCATION IDENTIFYER

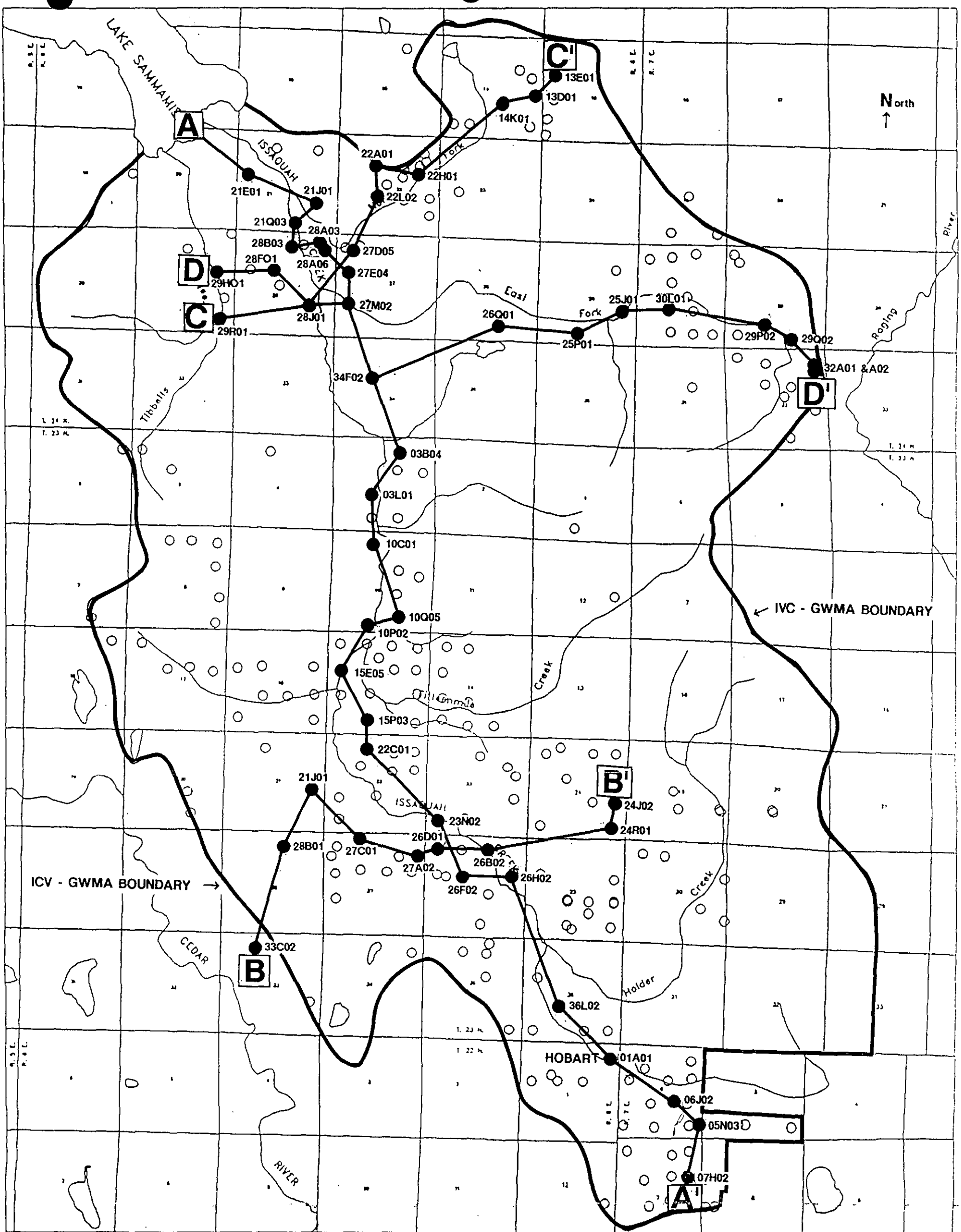
Scale in Feet

0 5000 10000

ISSAQUAH GROUND WATER MANAGEMENT PLAN

WELL LOCATION MAP

FIGURE 2.6



MAP LEGEND

○ LOCATION OF WELLS WITH WELL LOGS IN IGWMA DATABASE

● LOCATION OF WELLS USED IN HYDROLOGIC CROSS SECTIONS

B B' LOCATION OF HYDROGEOLOGIC CROSS SECTIONS

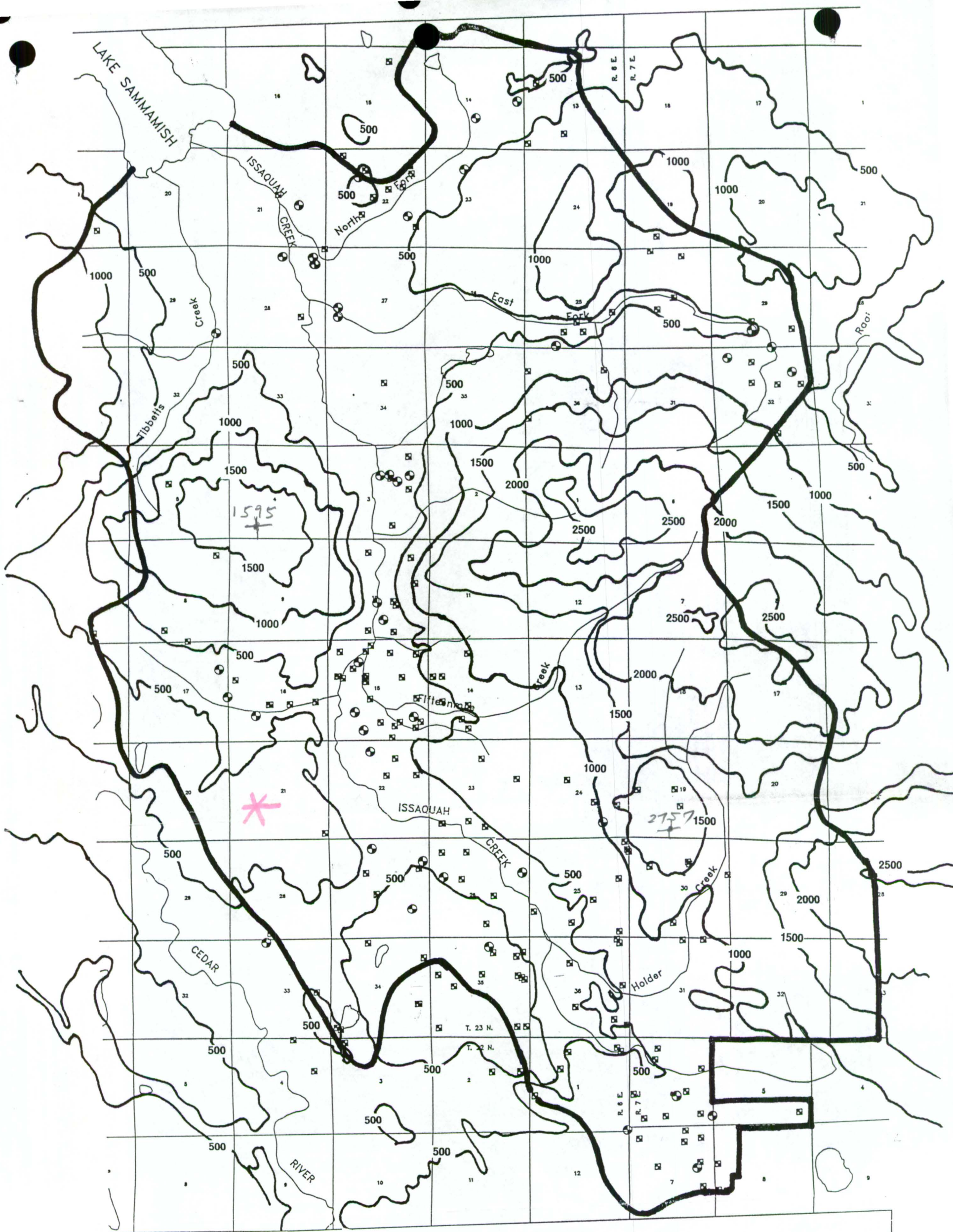
SCALE (FT)

1000 5000 10000

CROSS SECTION LOCATION MAP

FIGURE 3.1

FIGURE 3.1



MAP LEGEND

WELL INCLUDED IN MONTHLY MONITORING

WELL LOCATION AND INFORMATION OBTAINED FROM WELL LOGS

- 500 - 500 FOOT CONTOUR INTERVAL

Scale In Feet
0 5000 10000

ISSAQUAH GROUND WATER MANAGEMENT PLAN

WELL LOCATION AND TOPOGRAPHIC MAP

FIGURE 2.4