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300FF2

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STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

1315 W. 4th Avenue • Kennewick, Washington 99336-6018 • (509) 735-7581

February 7, 2000

Mr. Mike Goldstein, 300 FF-2 Unit Manager
U.S. Environmental Protection Agency
750 Swift Boulevard, Suite 105
Richland, Washington 99352

RECEIVED
FEB 24 2000
EDMC

Dear Mr. Goldstein:

Re: Groundwater Monitoring Data in the Vicinity of 618-11 and 618-10 Burial Grounds

At the January 12, 2000, meeting of the U.S. Environmental Protection Agency (EPA) Remedy Review Board and at subsequent meetings with the U.S. Department of Energy (USDOE), its contractors and the Hanford Advisory Board Environmental Restoration Sub-committee (HAB-ER), the Washington State Department of Ecology (Ecology) identified some serious concerns with data from groundwater monitoring wells surrounding the 618-10 and 618-11 Burial Grounds. The enclosed information identifies a portion of the data Ecology has reviewed from the Hanford Environmental Information System (HEIS) database. This database records all sampling results for the Hanford Site and is available on the Internet.

The enclosed information includes the following figures: a map which identifies groundwater monitoring wells located throughout the Hanford Site (with the wells of particular interest highlighted), and two pages representing the most recent contour plots for tritium and nitrate concentration mapping for the area of the 618-10 and 618-11 Burial Grounds. The source of these pages is written on the first three figures. The remaining pages are grouped into two separate categories, representing groundwater monitoring detection wells located near the 618-11 and 618-10 Burial Grounds, respectively. Each packet of data will be discussed in more detail.

The first data packet relates to the 618-11 Burial Ground and identifies the well location and reported value for tritium from a sample taken on January 25, 1999. As Ecology has indicated, the value of 1,860,000 pCi/L indicates an abnormally high reading for groundwater. The subsequent pages are from surrounding wells sampled throughout the 1970s. These numbers are also very high with values in the hundreds of thousands to millions of pCi/L. The last pages indicate values for nitrate from the same wells. Although nitrate values are not as extreme as the tritium values, the data does indicate that contamination other than tritium may be present above concentrations indicated in the contour mapping which may be interpreted as nitrate contamination plumes originating from releases in the 200 Area plateau.

The second data packet relates to the 618-10 Burial Ground and identifies the well location and reported values for tritium and nitrate from one downgradient monitoring well that is not downgradient to the 316-4 Crib. Although these values are not as high as those for the 618-11 Burial Ground, they do indicate values significantly higher than what can be expected as input from releases in the 200 Area plateau.

Conclusions:

After reviewing the 300-FF-2 Operable Unit (OU) groundwater data, Ecology is very concerned that a comprehensive groundwater assessment has not been done in support of the 300-FF-2 Operable Unit Record of Decision. This concern is further supported by the preliminary results from a recent sampling event at well 699-13-3A that indicates even greater values for tritium than the 1,860,000 pCi/L reported in January 1999. Although Ecology has not reached a final determination, the following conclusions are indicated:

- The 618-10 and 618-11 Burial Grounds are likely impacting groundwater in the 300 Area.
- Contaminated groundwater associated with the 300-FF-2 OU may represent a serious threat to the Columbia River. The risks associated and potential impact has not been evaluated and included in the decision processes supported by the current 300-FF-2 documents.
- Contamination does not appear to be limited to tritium. High values of nitrates are also observed and there are serious concerns that other contaminants may also be present.
- USDOE's statement and position that the 618-11 and 618-10 Burial Sites have not impacted the environment, is no longer supportable. Ecology believes that the 'remove, treat, and dispose' alternative identified in the draft Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) documentation is the only viable option for these burial sites.
- Ecology is concerned that the compliance monitoring and institutional control requirements of the Washington State Model Toxics Control Act (MTCA) which are an applicable ARAR under the CERCLA process are not adequately evaluated and/or addressed within the current 300-FF-2 OU documentation. Under the current proposed alternatives, Ecology cannot support either procedurally or administratively separating groundwater issues from source site determinations.
- Finally, this information supports Ecology's concern that impacts to groundwater have not been included in the determination of cleanup values for source sites in the 300-FF-2 OU. Consideration of groundwater impacts and groundwater contamination is a fundamental requirement in the establishment of cleanup goals at source sites and must be included.

Ecology looks forward to working with EPA to address these concerns. If you have any questions, please contact me at (509) 736-3018.

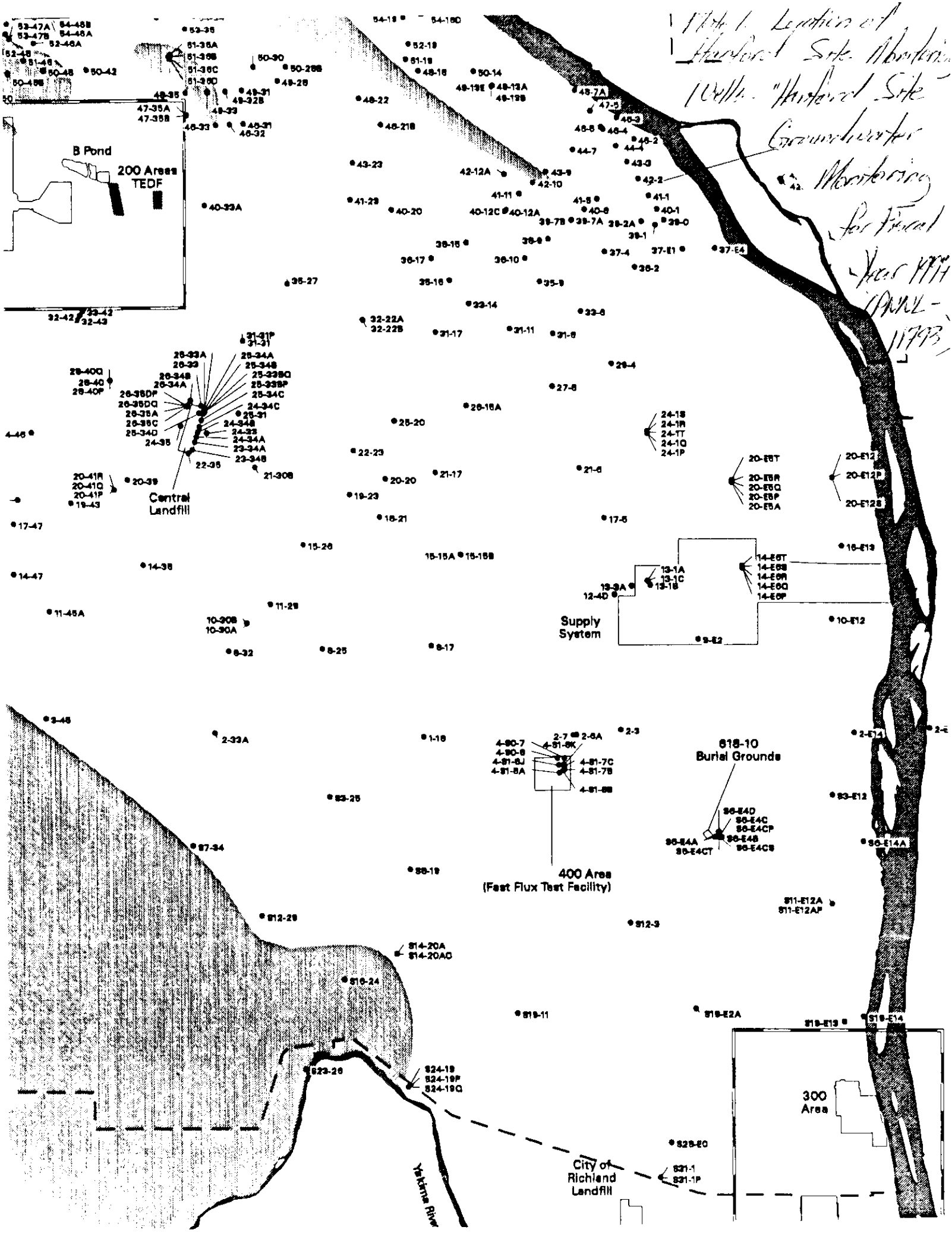
Sincerely,

Alex Stone

Alex Stone, 300 Area Project Manager
Nuclear Waste Program

AS:sb
Enclosure

Fig. 1. Location of Hanford Site Monitoring Wells. "Hanford Site Groundwater Monitoring for Fiscal Year 1993" (PNNL-11793)



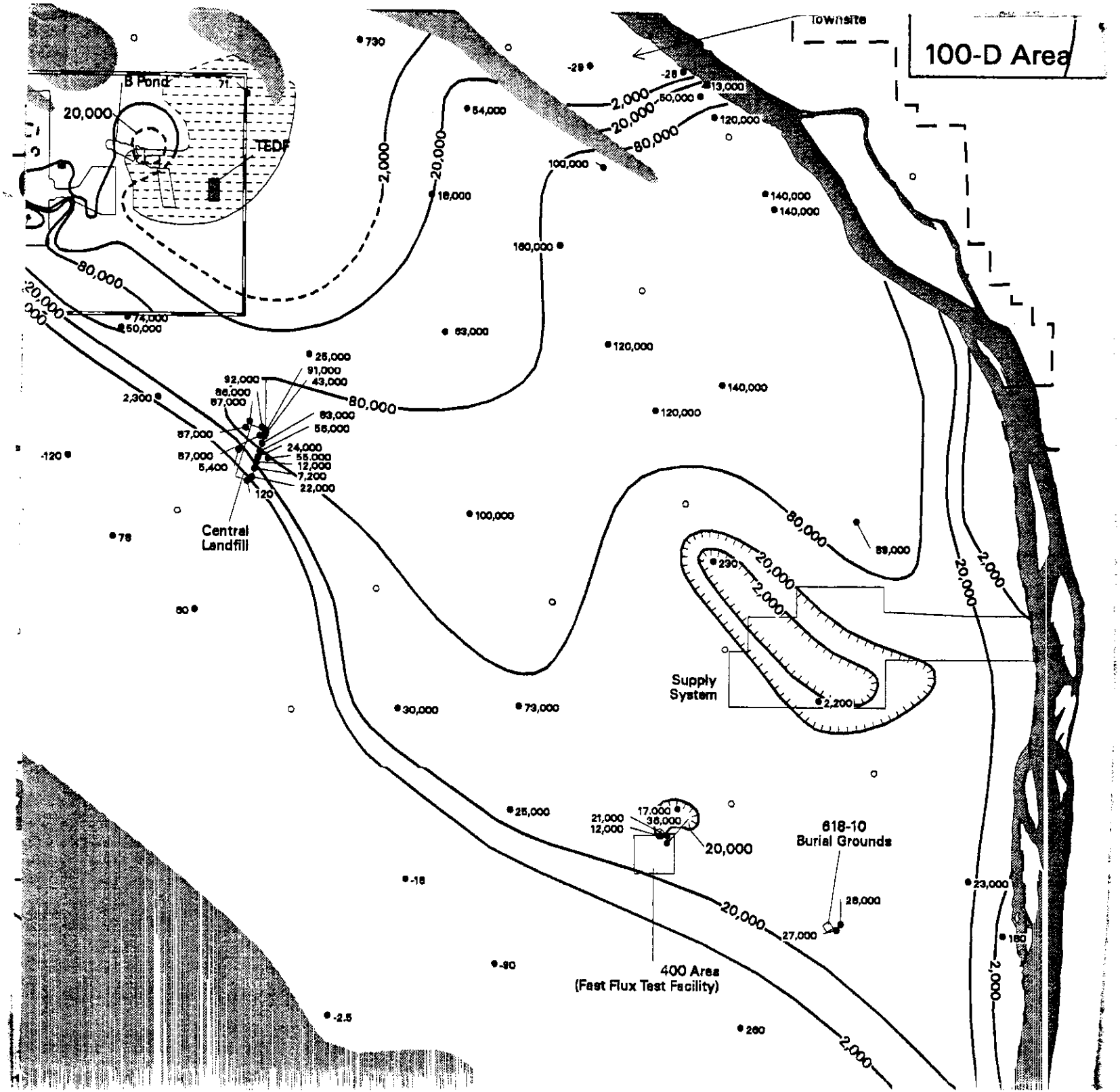
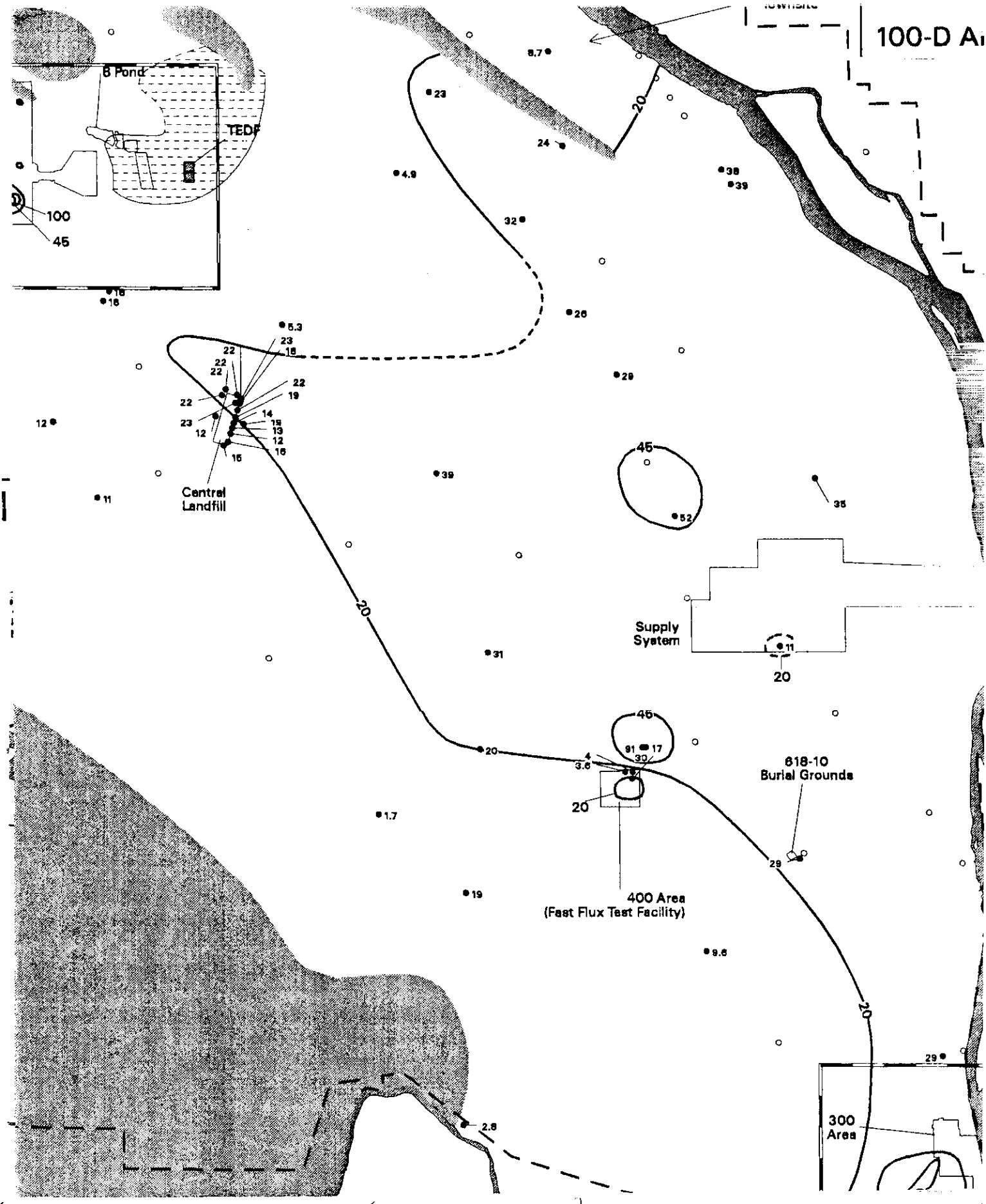


Plate 3
FY 1998
Average Tritium Concentrations "Hanford Site Groundwater Monitoring for Fiscal Year 1998" (PNNL-12086)

Plate 4. FY 1978 Average Nitrate Concentrations



"Hanford Site Groundwater Monitoring for Fiscal Year 1978" (PNL-12836)

Returned Results from HEIS

Sample Numbers are linked to Related Samples. Other links are to more detailed information.
For more information contact Roger Schreck - BHI Data Management at (509) 372-9386.

Create MS-Excel File

Instructions on how to set up your browser to import data into Excel.

Color Notes: Red - Highly suspect - e.g. potential sample contamination. Use with caution and best viewed in context of quality data points. Orange - Value is estimated, Yellow - May be useful but does not fully meet method requirements - e.g. value is below IDL/MDL, Green - Fully compliant with method requirements.

Sample Number	Well Name	Sample Date Time	Media	Constituent Name	Value Reported	Units	Total Analytical Error	Method	Laboratory Code	Qualifier	Filtered	Interval Top	Interval Bottom
B0TLK3	699-13-3A	25-JAN-99	GW	Tritium	1860000	pCi/L	135000	906.0_H3_LSC	QTESRL		N		

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Sample Number	Well Name	Sample Date Time	Media	Constituent Name	Value Reported	Units	Total Error	Analytical Method	Laboratory Code	Qualifier	Filtered	Interval I Top
H000CD95	699-13-1A	21-JUN-73	GW	Tritium	88000	pCi/L		UST_RAD_CNT_LSC	USTEST		N	
H000CD96	699-13-1A	06-NOV-73	GW	Tritium	150000	pCi/L		UST_RAD_CNT_LSC	USTEST		N	
H000CD97	699-13-1A	07-NOV-73	GW	Tritium	160000	pCi/L		UST_RAD_CNT_LSC	USTEST		N	
H000CD98	699-13-1A	28-NOV-73	GW	Tritium	43000	pCi/L		UST_RAD_CNT_LSC	USTEST		N	
H000CD99	699-13-1A	13-DEC-73	GW	Tritium	160000	pCi/L		UST_RAD_CNT_LSC	USTEST		N	
H000CDB0	699-13-1A	19-DEC-73	GW	Tritium	130000	pCi/L		UST_RAD_CNT_LSC	USTEST		N	

H000CDB1	699-13-1A	29-JAN-74	GW	Tritium	270000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDB2	699-13-1A	31-JAN-74	GW	Tritium	280000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDB3	699-13-1A	04-FEB-74	GW	Tritium	14000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDB4	699-13-1A	05-FEB-74	GW	Tritium	290000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDB5	699-13-1A	07-FEB-74	GW	Tritium	60000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDB6	699-13-1A	12-FEB-74	GW	Tritium	57000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDB7	699-13-1A	14-FEB-74	GW	Tritium	260000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDB8	699-13-1A	05-APR-74	GW	Tritium	300000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDB9	699-13-1A	01-AUG-74	GW	Tritium	320000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDC0	699-13-1A	02-OCT-74	GW	Tritium	390000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDC1	699-13-1A	29-JAN-75	GW	Tritium	390000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDC2	699-13-1A	02-APR-75	GW	Tritium	94000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDC3	699-13-	01-AUG-	GW	Tritium	53000 pCi/L	UST_RAD_CNT_LSC USTEST	N

	1A	75					
H000CDC4	699-13-1A	02-OCT-75	GW	Tritium	56000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDC7	699-13-1A	28-JAN-76	GW	Tritium	15000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDC8	699-13-1A	31-MAR-76	GW	Tritium	8800 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDC9	699-13-1A	02-AUG-76	GW	Tritium	69000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDD0	699-13-1A	27-SEP-76	GW	Tritium	63000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDD1	699-13-1A	02-MAR-77	GW	Tritium	180000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDD2	699-13-1A	28-MAR-77	GW	Tritium	200000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDD3	699-13-1A	28-JUN-77	GW	Tritium	200000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDD4	699-13-1A	28-SEP-77	GW	Tritium	84000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDD5	699-13-1A	13-JAN-78	GW	Tritium	390000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDD6	699-13-1A	30-MAR-78	GW	Tritium	12000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDD7	699-13-1A	19-APR-78	GW	Tritium	120000 pCi/L	UST_RAD_CNT_LSC USTEST	N
	699-	21-					

H000CDD8	13-1A	21-JUN-78	GW	Tritium	1100000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDD9	699-13-1A	13-SEP-78	GW	Tritium	680000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDF1	699-13-1A	15-JAN-79	GW	Tritium	410000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDF2	699-13-1A	20-MAR-79	GW	Tritium	1400000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDF3	699-13-1A	24-MAR-80	GW	Tritium	69000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDF4	699-13-1A	09-JUN-80	GW	Tritium	33000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDF5	699-13-1A	17-SEP-80	GW	Tritium	790000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDF6	699-13-1A	05-JAN-81	GW	Tritium	36000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDF7	699-13-1A	15-JUN-81	GW	Tritium	15000 pCi/L	UST_RAD_CNT_LSC USTEST	N

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Sample Number	Well Name	Sample Date Time	Media	Constituent Name	Value Reported	Units	Total Error	Analytical Method	Laboratory Code	Qualifier	Filtered	Interval I Top
H000CDF8	699-13-1B	21-JUN-73	GW	Tritium	9100	pCi/L		UST_RAD_CNT_LSC	USTEST		N	
H000CDF9	699-13-1B	01-AUG-73	GW	Tritium	100000	pCi/L		UST_RAD_CNT_LSC	USTEST		N	
H000CDG0	699-13-1B	28-NOV-73	GW	Tritium	620	pCi/L		UST_RAD_CNT_LSC	USTEST		N	
H000CDG1	699-13-1B	13-DEC-73	GW	Tritium	30000	pCi/L		UST_RAD_CNT_LSC	USTEST		N	
H000CDG2	699-13-1B	19-DEC-73	GW	Tritium	31000	pCi/L		UST_RAD_CNT_LSC	USTEST		N	
H000CDG3	699-13-1B	29-JAN-74	GW	Tritium	16000	pCi/L		UST_RAD_CNT_LSC	USTEST		N	

H000CDG4	699-13-1B	31-JAN-74	GW	Tritium	18000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDG5	699-13-1B	04-FEB-74	GW	Tritium	14000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDG6	699-13-1B	05-FEB-74	GW	Tritium	19000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDG7	699-13-1B	07-FEB-74	GW	Tritium	20000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDG8	699-13-1B	12-FEB-74	GW	Tritium	21000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDG9	699-13-1B	14-FEB-74	GW	Tritium	15000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDH0	699-13-1B	05-APR-74	GW	Tritium	20000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDH1	699-13-1B	01-AUG-74	GW	Tritium	15000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDH2	699-13-1B	02-OCT-74	GW	Tritium	18000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDH3	699-13-1B	29-JAN-75	GW	Tritium	28000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDH4	699-13-1B	02-APR-75	GW	Tritium	26000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDH5	699-13-1B	01-AUG-75	GW	Tritium	32000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDH6	699-13-	02-OCT-	GW	Tritium	74000 pCi/L	UST_RAD_CNT_LSC USTEST	N

	1B	75					
H000CDH9	699-13-1B	28-JAN-76	GW	Tritium	66000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDJ0	699-13-1B	31-MAR-76	GW	Tritium	86000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDJ1	699-13-1B	02-AUG-76	GW	Tritium	60000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDJ2	699-13-1B	27-SEP-76	GW	Tritium	48000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDJ3	699-13-1B	02-MAR-77	GW	Tritium	160000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDJ4	699-13-1B	28-MAR-77	GW	Tritium	70000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDJ5	699-13-1B	28-JUN-77	GW	Tritium	42000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDJ6	699-13-1B	28-SEP-77	GW	Tritium	270000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDJ7	699-13-1B	13-JAN-78	GW	Tritium	100000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDJ8	699-13-1B	30-MAR-78	GW	Tritium	430000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDJ9	699-13-1B	21-JUN-78	GW	Tritium	140000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDK0	699-13-1B	13-SEP-78	GW	Tritium	270000 pCi/L	UST_RAD_CNT_LSC USTEST	N
	699-	15-					

H000CDK1	13-1B	15-JAN-79	GW	Tritium	400000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDK2	699-13-1B	20-MAR-79	GW	Tritium	610000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDK3	699-13-1B	28-JUN-79	GW	Tritium	180000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDK4	699-13-1B	03-JAN-80	GW	Tritium	1300 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDK5	699-13-1B	24-MAR-80	GW	Tritium	620 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDK6	699-13-1B	09-JUN-80	GW	Tritium	700 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDK7	699-13-1B	17-SEP-80	GW	Tritium	750 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDK9	699-13-1B	05-JAN-81	GW	Tritium	390 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDL0	699-13-1B	31-MAR-81	GW	Tritium	660 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000CDL1	699-13-1B	15-JUN-81	GW	Tritium	560 pCi/L	UST_RAD_CNT_LSC USTEST	N

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Sample Number	Well Name	Sample Date Time	Media	Constituent Name	Value Reported	Units	Total Error	Analytical Method	Laboratory Code	Qualifier	Filtered	Interval Top	I B
H000CD77	699-12-4D	27-NOV-84	GW	Tritium	670	pCi/L		UST_RAD_CNT_LSC	USTEST		N		
H000CD79	699-12-4D	21-JAN-85	GW	Tritium	6090	pCi/L		UST_RAD_CNT_LSC	USTEST		N		
H000CD81	699-12-4D	24-APR-85	GW	Tritium	362	pCi/L		UST_RAD_CNT_LSC	USTEST		N		
H000CD84	699-12-4D	11-NOV-85	GW	Tritium	311	pCi/L	189	UST_RAD_CNT_LSC	USTEST		N		
H000CD85	699-12-4D	12-NOV-85	GW	Tritium	231	pCi/L	187	UST_RAD_CNT_LSC	USTEST		N		

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Sample Number	Well Name	Sample Date Time	Media	Constituent Name	Value Reported	Units	Total Error	Analytical Method	Laboratory Code	Qualifier	Filtered	Interval Top	In B
H000CD96	699-13-1A	06-NOV-73	GW	Nitrate	13	mg/L		UNKNOWN	USTEST		N		
H000CD97	699-13-1A	07-NOV-73	GW	Nitrate	11	mg/L		UNKNOWN	USTEST		N		
H000CD99	699-13-1A	13-DEC-73	GW	Nitrate	5.7	mg/L		UNKNOWN	USTEST		N		
H000CDB0	699-13-1A	19-DEC-73	GW	Nitrate	5.9	mg/L		UNKNOWN	USTEST		N		
H000CDB3	699-13-1A	04-FEB-74	GW	Nitrate	15	mg/L		UNKNOWN	USTEST		N		
H000CDB8	699-13-1A	05-APR-74	GW	Nitrate	16	mg/L		UNKNOWN	USTEST		N		

H000CDB9	699-13-1A	01-AUG-74	GW	Nitrate	15 mg/L	UNKNOWN	USTEST	N
H000CDC0	699-13-1A	02-OCT-74	GW	Nitrate	12 mg/L	UNKNOWN	USTEST	N
H000CDC1	699-13-1A	29-JAN-75	GW	Nitrate	12 mg/L	UNKNOWN	USTEST	N
H000CDC2	699-13-1A	02-APR-75	GW	Nitrate	2.1 mg/L	UNKNOWN	USTEST	N
H000CDC3	699-13-1A	01-AUG-75	GW	Nitrate	1.5 mg/L	UNKNOWN	USTEST	N
H000CDC4	699-13-1A	02-OCT-75	GW	Nitrate	2.2 mg/L	UNKNOWN	USTEST	N
H000CDC7	699-13-1A	28-JAN-76	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDC8	699-13-1A	31-MAR-76	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDC9	699-13-1A	02-AUG-76	GW	Nitrate	2.3 mg/L	UNKNOWN	USTEST	N
H000CDD5	699-13-1A	13-JAN-78	GW	Nitrate	7.7 mg/L	UNKNOWN	USTEST	N
H000CDD6	699-13-1A	30-MAR-78	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDD7	699-13-1A	19-APR-78	GW	Nitrate	4.8 mg/L	UNKNOWN	USTEST	N
H000CDD8	699-13-	21-JUN-78	GW	Nitrate	1.3 mg/L	UNKNOWN	USTEST	N

	1A	JUN-78						
H000CDD9	699-13-1A	13-SEP-78	GW	Nitrate	14 mg/L	UNKNOWN	USTEST	N
H000CDF1	699-13-1A	15-JAN-79	GW	Nitrate	14 mg/L	UNKNOWN	USTEST	N
H000CDF2	699-13-1A	20-MAR-79	GW	Nitrate	18 mg/L	UNKNOWN	USTEST	N
H000CDF3	699-13-1A	24-MAR-80	GW	Nitrate	1.2 mg/L	UNKNOWN	USTEST	N
H000CDF4	699-13-1A	09-JUN-80	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDF5	699-13-1A	17-SEP-80	GW	Nitrate	25 mg/L	UNKNOWN	USTEST	N
H000CDF6	699-13-1A	05-JAN-81	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDF7	699-13-1A	15-JUN-81	GW	Nitrate	6.1 mg/L	UNKNOWN	USTEST	N
H000CDF9	699-13-1B	01-AUG-73	GW	Nitrate	10 mg/L	UNKNOWN	USTEST	N
H000CDG1	699-13-1B	13-DEC-73	GW	Nitrate	4.9 mg/L	UNKNOWN	USTEST	N
H000CDG2	699-13-1B	19-DEC-73	GW	Nitrate	5 mg/L	UNKNOWN	USTEST	N
H000CDG5	699-13-1B	04-FEB-74	GW	Nitrate	3.5 mg/L	UNKNOWN	USTEST	N
	699-	05-						

H000CDH0	13-1B	APR-74	GW	Nitrate	4.8 mg/L	UNKNOWN	USTEST	N
H000CDH1	699-13-1B	01-AUG-74	GW	Nitrate	4.5 mg/L	UNKNOWN	USTEST	N
H000CDH2	699-13-1B	02-OCT-74	GW	Nitrate	3.5 mg/L	UNKNOWN	USTEST	N
H000CDH3	699-13-1B	29-JAN-75	GW	Nitrate	5.4 mg/L	UNKNOWN	USTEST	N
H000CDH4	699-13-1B	02-APR-75	GW	Nitrate	5.1 mg/L	UNKNOWN	USTEST	N
H000CDH5	699-13-1B	01-AUG-75	GW	Nitrate	2.8 mg/L	UNKNOWN	USTEST	N
H000CDH6	699-13-1B	02-OCT-75	GW	Nitrate	6.1 mg/L	UNKNOWN	USTEST	N
H000CDH9	699-13-1B	28-JAN-76	GW	Nitrate	8 mg/L	UNKNOWN	USTEST	N
H000CDJ0	699-13-1B	31-MAR-76	GW	Nitrate	5.4 mg/L	UNKNOWN	USTEST	N
H000CDJ1	699-13-1B	02-AUG-76	GW	Nitrate	3.8 mg/L	UNKNOWN	USTEST	N
H000CDJ7	699-13-1B	13-JAN-78	GW	Nitrate	4.4 mg/L	UNKNOWN	USTEST	N
H000CDJ8	699-13-1B	30-MAR-78	GW	Nitrate	9.3 mg/L	UNKNOWN	USTEST	N
H000CDJ9	699-13-1B	21-JUN-78	GW	Nitrate	5.3 mg/L	UNKNOWN	USTEST	N

H000CDK0	699-13-1B	13-SEP-78	GW	Nitrate	7.5 mg/L	UNKNOWN	USTEST	N
H000CDK1	699-13-1B	15-JAN-79	GW	Nitrate	13 mg/L	UNKNOWN	USTEST	N
H000CDK2	699-13-1B	20-MAR-79	GW	Nitrate	20 mg/L	UNKNOWN	USTEST	N
H000CDK3	699-13-1B	28-JUN-79	GW	Nitrate	1.4 mg/L	UNKNOWN	USTEST	N
H000CDK4	699-13-1B	03-JAN-80	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDK5	699-13-1B	24-MAR-80	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDK6	699-13-1B	09-JUN-80	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDK7	699-13-1B	17-SEP-80	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDK9	699-13-1B	05-JAN-81	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDL0	699-13-1B	31-MAR-81	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDL1	699-13-1B	15-JUN-81	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDL2	699-13-1C	13-JAN-80	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDL3	699-13-	24-MAR-	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N

	1C	80						
H000CDL4	699-13-1C	09-JUN-80	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDL5	699-13-1C	17-SEP-80	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDL6	699-13-1C	05-JAN-81	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDL7	699-13-1C	31-MAR-81	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDL8	699-13-1C	15-JUN-81	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDL9	699-13-1C	10-SEP-81	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDM0	699-13-1C	04-JAN-82	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDM1	699-13-1C	22-FEB-82	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDM2	699-13-1C	10-MAY-82	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDM3	699-13-1C	02-AUG-82	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDM4	699-13-1C	02-DEC-82	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
H000CDM5	699-13-1C	14-FEB-83	GW	Nitrate	.5 mg/L	UNKNOWN	USTEST	N
	699-	09-						

H000CDM6	13-1C	MAY-83	GW	Nitrate	.27 mg/L		UNKNOWN	USTEST		N
H000CDM7	699-13-1C	08-AUG-83	GW	Nitrate	.36 mg/L		UNKNOWN	USTEST		N
H000CDM8	699-13-1C	08-NOV-83	GW	Nitrate	.56 mg/L		UNKNOWN	USTEST		N
H000CDM9	699-13-1C	28-FEB-84	GW	Nitrate	2.8 mg/L		UNKNOWN	USTEST		N
H000CDN0	699-13-1C	05-JUN-84	GW	Nitrate	1.1 mg/L		UNKNOWN	USTEST		N
B06N10	*699-13-1C*	*20-MAY-92*	*GW*	*Nitrate*			*D4327_ANIONS_IC*	*DATACH*	*U*	*N*
B07MH7	699-13-1C	23-NOV-92	GW	Nitrate	500 ug/L	281	D4327_ANIONS_IC	DATACH		N
B0CCQ3	699-13-1C	30-NOV-94	GW	Nitrate	80 ug/L	16.8	D4327_ANIONS_IC	DATACH	L	N
B0GG15	*699-13-1C*	*06-OCT-95*	*GW*	*Nitrate*	*120 ug/L*		*D4327_ANIONS_IC*	*DATACH*	*U*	*N*

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Create MS-Excel File

Instructions on how to set up your browser to import data into Excel.

Color Notes: Red - Highly suspect - e.g. potential sample contamination. Use with caution and best viewed in context of quality data points. Orange - Value is estimated, Yellow - May be useful but does not fully meet method requirements - e.g. value is below IDL/MDL, Green - Fully compliant with method requirements.

Sample Number	Well Name	Sample Date Time	Media	Constituent Name	Value Reported	Units	Total Error	Analytical Method	Laboratory Code	Qualifier	Filtered	Interval Top	I B
H000FW06	699-S6-E4D	04-JUN-73	GW	Tritium	500	pCi/L		UST_RAD_CNT_LSC	USTEST		N		
H000FW07	699-S6-E4D	02-JUL-73	GW	Tritium	700	pCi/L		UST_RAD_CNT_LSC	USTEST		N		
H000FW09	699-S6-E4D	29-OCT-73	GW	Tritium	520	pCi/L		UST_RAD_CNT_LSC	USTEST		N		
H000FW10	699-S6-E4D	14-JAN-74	GW	Tritium	510	pCi/L		UST_RAD_CNT_LSC	USTEST		N		
H000FW12	699-S6-E4D	29-APR-74	GW	Tritium	500	pCi/L		UST_RAD_CNT_LSC	USTEST		N		
H000FW13	699-S6-E4D	01-JUL-74	GW	Tritium	1100	pCi/L		UST_RAD_CNT_LSC	USTEST		N		

H000FW15	699-S6-E4D	29-OCT-74	GW	Tritium	1500 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW16	699-S6-E4D	30-DEC-74	GW	Tritium	1500 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW18	699-S6-E4D	28-APR-75	GW	Tritium	2100 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW20	699-S6-E4D	27-OCT-75	GW	Tritium	3700 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW24	699-S6-E4D	26-APR-76	GW	Tritium	6100 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW26	699-S6-E4D	27-SEP-76	GW	Tritium	2600 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW27	699-S6-E4D	04-JAN-77	GW	Tritium	10000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW29	699-S6-E4D	28-MAR-77	GW	Tritium	11000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW30	699-S6-E4D	28-JUN-77	GW	Tritium	6500 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW31	699-S6-E4D	28-SEP-77	GW	Tritium	6700 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW32	699-S6-E4D	06-JAN-78	GW	Tritium	8000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW33	699-S6-E4D	21-MAR-78	GW	Tritium	19000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW34	699-S6-	21-JUN-78	GW	Tritium	18000 pCi/L	UST_RAD_CNT_LSC USTEST	N

	E4D	JUN-78					
H000FW35	699-S6-E4D	19-SEP-78	GW	Tritium	20000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW36	699-S6-E4D	15-JAN-79	GW	Tritium	22000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW37	699-S6-E4D	28-MAR-79	GW	Tritium	22000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW38	699-S6-E4D	12-JUN-79	GW	Tritium	23000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW39	699-S6-E4D	06-SEP-79	GW	Tritium	24000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW40	699-S6-E4D	10-JAN-80	GW	Tritium	31000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW41	699-S6-E4D	24-MAR-80	GW	Tritium	26000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW42	699-S6-E4D	09-JUN-80	GW	Tritium	27000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW43	699-S6-E4D	17-SEP-80	GW	Tritium	28000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW44	699-S6-E4D	05-JAN-81	GW	Tritium	28000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW45	699-S6-E4D	17-MAR-81	GW	Tritium	32000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW46	699-S6-E4D	15-JUN-81	GW	Tritium	29000 pCi/L	UST_RAD_CNT_LSC USTEST	N
	699-	02-					

H000FW47	S6-E4D	02-SEP-81	GW	Tritium	30000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW48	699-S6-E4D	05-JAN-82	GW	Tritium	29000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW49	699-S6-E4D	26-MAR-82	GW	Tritium	30000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW50	699-S6-E4D	17-JUN-82	GW	Tritium	31000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW51	699-S6-E4D	07-SEP-82	GW	Tritium	32000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW52	699-S6-E4D	30-NOV-82	GW	Tritium	31000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW53	699-S6-E4D	15-MAR-83	GW	Tritium	33000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW54	699-S6-E4D	08-JUN-83	GW	Tritium	33000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW55	699-S6-E4D	07-SEP-83	GW	Tritium	32000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW56	699-S6-E4D	19-NOV-83	GW	Tritium	33000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW57	699-S6-E4D	15-MAR-84	GW	Tritium	32000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW58	699-S6-E4D	27-JUN-84	GW	Tritium	34000 pCi/L	UST_RAD_CNT_LSC USTEST	N
H000FW59	699-S6-E4D	22-SEP-84	GW	Tritium	26000 pCi/L	UST_RAD_CNT_LSC USTEST	N

H000FW60	699-S6-E4D	04-FEB-85	GW	Tritium	36000 pCi/L		UST_RAD_CNT_LSC	USTEST	N
H000FW61	699-S6-E4D	15-JUN-85	GW	Tritium	32000 pCi/L		UST_RAD_CNT_LSC	USTEST	N
H000FW62	699-S6-E4D	17-SEP-85	GW	Tritium	34000 pCi/L		UST_RAD_CNT_LSC	USTEST	N
H000FW63	699-S6-E4D	30-DEC-85	GW	Tritium	35000 pCi/L		UST_RAD_CNT_LSC	PNL-KI	N
H000FW64	699-S6-E4D	21-FEB-86	GW	Tritium	35000 pCi/L		UST_RAD_CNT_LSC	PNL-KI	N
H000FW65	699-S6-E4D	24-JUN-86	GW	Tritium	32000 pCi/L		UST_RAD_CNT_LSC	PNL-KI	N
H000FW67	699-S6-E4D	06-AUG-86	GW	Tritium	34900 pCi/L		UST_RAD_CNT_LSC	PNL-KI	N
H000FW69	699-S6-E4D	11-NOV-86	GW	Tritium	34800 pCi/L		UST_RAD_CNT_LSC	PNL-KI	N
H000FW71	699-S6-E4D	18-NOV-86	GW	Tritium	35000 pCi/L		UST_RAD_CNT_LSC	PNL-KI	N
H000FW73	699-S6-E4D	08-JAN-87	GW	Tritium	35000 pCi/L		UST_RAD_CNT_LSC	PNL-KI	N
H000FW72	699-S6-E4D	08-JAN-87	GW	Tritium	38000 pCi/L	2170	UST_RAD_CNT_LSC	USTEST	N
H000FW74	699-S6-E4D	08-JAN-87	GW	Tritium	33000 pCi/L	1920	UST_RAD_CNT_LSC	USTEST	N
H000FW76	699-S6-	03-JUN-87	GW	Tritium	36300 pCi/L		UST_RAD_CNT_LSC	PNL-KI	N

	E4D	JUN-87							
H000FW77	699-S6-E4D	03-JUN-87	GW	Tritium	35100 pCi/L	1980	UST_RAD_CNT_LSC	USTEST	N
H000FW75	699-S6-E4D	03-JUN-87	GW	Tritium	35000 pCi/L	1970	UST_RAD_CNT_LSC	USTEST	N
H000FW79	699-S6-E4D	24-JUL-87	GW	Tritium	42100 pCi/L		UST_RAD_CNT_LSC	PNL-KI	N
H000FW80	699-S6-E4D	24-JUL-87	GW	Tritium	35800 pCi/L	2010	UST_RAD_CNT_LSC	USTEST	N
H000FW78	699-S6-E4D	24-JUL-87	GW	Tritium	35600 pCi/L	2000	UST_RAD_CNT_LSC	USTEST	N
H000FW82	699-S6-E4D	26-OCT-87	GW	Tritium	34700 pCi/L	1960	UST_RAD_CNT_LSC	USTEST	N
H000FW81	699-S6-E4D	26-OCT-87	GW	Tritium	37400 pCi/L	2100	UST_RAD_CNT_LSC	USTEST	N
H000FW84	699-S6-E4D	19-FEB-88	GW	Tritium	38700 pCi/L	3100	UST_RAD_CNT_LSC	USTEST	N
H000FW83	699-S6-E4D	19-FEB-88	GW	Tritium	38900 pCi/L	3120	UST_RAD_CNT_LSC	USTEST	N
H000FW85	699-S6-E4D	08-APR-88	GW	Tritium	31400 pCi/L	2570	UST_RAD_CNT_LSC	USTEST	N
H000FW86	699-S6-E4D	21-JUL-88	GW	Tritium	39000 pCi/L	3070	UST_RAD_CNT_LSC	USTEST	N
H000FW87	699-S6-E4D	23-NOV-88	GW	Tritium	38400 pCi/L	3140	UST_RAD_CNT_LSC	USTEST	N
	699-	07-							

H000FW89	S6-E4D	APR-89	GW	Tritium	39800 pCi/L	3140	UST_RAD_CNT_LSC	USTEST		N
H000FW90	699-S6-E4D	23-OCT-89	GW	Tritium	39500 pCi/L	3120	UST_RAD_CNT_LSC	USTEST		N
H000FW91	699-S6-E4D	20-FEB-90	GW	Tritium	39100 pCi/L	3120	UST_RAD_CNT_LSC	USTEST		N
H00070N8	699-S6-E4D	08-AUG-90	GW	Tritium	37300 pCi/L	2891	TRITIUM_DIST_LSC	ITASRL		N
H0007017	699-S6-E4D	16-OCT-90	GW	Tritium	39300 pCi/L	3033	TRITIUM_DIST_LSC	ITASRL		N
H00070Z9	699-S6-E4D	17-JAN-91	GW	Tritium	37300 pCi/L	2893	TRITIUM_DIST_LSC	ITASRL		N
H0007351	699-S6-E4D	29-MAR-91	GW	Tritium	40600 pCi/L	3130	TRITIUM_DIST_LSC	ITASRL		N
H00072V8	699-S6-E4D	21-JUN-91	GW	Tritium	37800 pCi/L	2925	TRITIUM_DIST_LSC	ITASRL		N
B00LQ0	699-S6-E4D	10-SEP-91	GW	Tritium	39300 pCi/L	3058	TRITIUM_DIST_LSC	ITASRL		N
H0007201	699-S6-E4D	03-DEC-91	GW	Tritium	39500 pCi/L	3076	TRITIUM_DIST_LSC	ITASRL		N
B01VK4	699-S6-E4D	19-FEB-92	GW	Tritium	39300 pCi/L	3033	TRITIUM_DIST_LSC	ITASRL		N
B06M99	699-S6-E4D	11-MAY-92	GW	Tritium	37200 pCi/L	2860	TRITIUM_DIST_LSC	ITASRL		N
B073V6	699-S6-E4D	18-AUG-92	GW	Tritium	38700 pCi/L	2986	TRITIUM_DIST_LSC	ITASRL		N

B07MG4	699-S6-E4D	17-NOV-92	GW	Tritium	37700 pCi/L	2901	TRITIUM_DIST_LSC	ITASRL	N
B086M7	699-S6-E4D	10-MAR-93	GW	Tritium	38900 pCi/L	2986	TRITIUM_DIST_LSC	ITASRL	N
B08MH3	699-S6-E4D	10-JUN-93	GW	Tritium	37100 pCi/L	2847	TRITIUM_DIST_LSC	ITASRL	N
B08Z23	699-S6-E4D	17-AUG-93	GW	Tritium	37300 pCi/L	2853	TRITIUM_DIST_LSC	ITASRL	N
B09LP7	699-S6-E4D	16-NOV-93	GW	Tritium	36200 pCi/L	2775	TRITIUM_DIST_LSC	ITASRL	N
B09RM2	699-S6-E4D	15-FEB-94	GW	Tritium	37300 pCi/L	2868	TRITIUM_DIST_LSC	ITASRL	N
B0CCL8	699-S6-E4D	01-SEP-94	GW	Tritium	34600 pCi/L	2742	TRITIUM_DIST_LSC	ITASRL	N
B0DTL5	699-S6-E4D	15-FEB-95	GW	Tritium	36000 pCi/L	2833	TRITIUM_DIST_LSC	ITASRL	N
B0H9B1	699-S6-E4D	11-JAN-96	GW	Tritium	31741 pCi/L	2480	TRITIUM_DIST_LSC	ITASRL	N
B0K8K4	699-S6-E4D	16-MAY-97	GW	Tritium	31100 pCi/L	2440	TRITIUM_DIST_LSC	QTESRL	N
B0NT88	699-S6-E4D	05-JUN-98	GW	Tritium	28200 pCi/L	2220	TRITIUM_DIST_LSC	QTESRL	N
B0NT89	699-S6-E4D	05-JUN-98	GW	Tritium	27800 pCi/L	2190	TRITIUM_DIST_LSC	QTESRL	N
B0VKJ0	699-S6-	15-JUN-99	GW	Tritium	23600 pCi/L	1300	906.0_H3_LSC	QTESRL	N

E4D JUN-99

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Sample Number	Well Name	Sample Date Time	Media	Constituent Name	Value Reported	Units	Total Error	Analytical Method	Laboratory Code	Qualifier	Filtered	Interval Top	Int Bot
H000FVZ8	699-S6-E4D	21-JAN-58	GW	Nitrate	2.7	mg/L		UNKNOWN	USTEST		N		
H000FVZ9	699-S6-E4D	04-APR-58	GW	Nitrate	3.5	mg/L		UNKNOWN	USTEST		N		
H000FW00	699-S6-E4D	01-APR-59	GW	Nitrate	5	mg/L		UNKNOWN	USTEST		N		
H000FW02	699-S6-E4D	31-JAN-62	GW	Nitrate	3.1	mg/L		UNKNOWN	USTEST		N		
H000FW03	699-S6-E4D	23-JAN-63	GW	Nitrate	4.1	mg/L		UNKNOWN	USTEST		N		
H000FW04	699-S6-E4D	07-AUG-63	GW	Nitrate	5	mg/L		UNKNOWN	USTEST		N		

H000FW05	699-S6-E4D	06-APR-73	GW	Nitrate	4.4 mg/L	UNKNOWN	USTEST	N
H000FW06	699-S6-E4D	04-JUN-73	GW	Nitrate	6.4 mg/L	UNKNOWN	USTEST	N
H000FW07	699-S6-E4D	02-JUL-73	GW	Nitrate	3.2 mg/L	UNKNOWN	USTEST	N
H000FW08	699-S6-E4D	27-AUG-73	GW	Nitrate	2 mg/L	UNKNOWN	USTEST	N
H000FW09	699-S6-E4D	29-OCT-73	GW	Nitrate	3.3 mg/L	UNKNOWN	USTEST	N
H000FW10	699-S6-E4D	14-JAN-74	GW	Nitrate	6.4 mg/L	UNKNOWN	USTEST	N
H000FW11	699-S6-E4D	26-FEB-74	GW	Nitrate	6 mg/L	UNKNOWN	USTEST	N
H000FW12	699-S6-E4D	29-APR-74	GW	Nitrate	6.7 mg/L	UNKNOWN	USTEST	N
H000FW13	699-S6-E4D	01-JUL-74	GW	Nitrate	4.1 mg/L	UNKNOWN	USTEST	N
H000FW14	699-S6-E4D	30-AUG-74	GW	Nitrate	4.2 mg/L	UNKNOWN	USTEST	N
H000FW15	699-S6-E4D	29-OCT-74	GW	Nitrate	5.2 mg/L	UNKNOWN	USTEST	N
H000FW16	699-S6-E4D	30-DEC-74	GW	Nitrate	5.7 mg/L	UNKNOWN	USTEST	N
H000FW17	699-S6-	24-FEB-75	GW	Nitrate	6 mg/L	UNKNOWN	USTEST	N

	E4D	FEB-75						
H000FW18	699-S6-E4D	28-APR-75	GW	Nitrate	.7 mg/L	UNKNOWN	USTEST	N
H000FW19	699-S6-E4D	25-AUG-75	GW	Nitrate	3.9 mg/L	UNKNOWN	USTEST	N
H000FW20	699-S6-E4D	27-OCT-75	GW	Nitrate	4.5 mg/L	UNKNOWN	USTEST	N
H000FW22	699-S6-E4D	29-DEC-75	GW	Nitrate	5.1 mg/L	UNKNOWN	USTEST	N
H000FW23	699-S6-E4D	25-FEB-76	GW	Nitrate	3.1 mg/L	UNKNOWN	USTEST	N
H000FW24	699-S6-E4D	26-APR-76	GW	Nitrate	6.8 mg/L	UNKNOWN	USTEST	N
H000FW25	699-S6-E4D	28-JUN-76	GW	Nitrate	3.4 mg/L	UNKNOWN	USTEST	N
H000FW26	699-S6-E4D	27-SEP-76	GW	Nitrate	5.7 mg/L	UNKNOWN	USTEST	N
H000FW27	699-S6-E4D	04-JAN-77	GW	Nitrate	6.6 mg/L	UNKNOWN	USTEST	N
H000FW29	699-S6-E4D	28-MAR-77	GW	Nitrate	5 mg/L	UNKNOWN	USTEST	N
H000FW30	699-S6-E4D	28-JUN-77	GW	Nitrate	14 mg/L	UNKNOWN	USTEST	N
H000FW31	699-S6-E4D	28-SEP-77	GW	Nitrate	8.4 mg/L	UNKNOWN	USTEST	N
	699-	06-						

H000FW32	S6-E4D	06-JAN-78	GW	Nitrate	11 mg/L	UNKNOWN	USTEST	N
H000FW33	699-S6-E4D	21-MAR-78	GW	Nitrate	11 mg/L	UNKNOWN	USTEST	N
H000FW34	699-S6-E4D	21-JUN-78	GW	Nitrate	11 mg/L	UNKNOWN	USTEST	N
H000FW35	699-S6-E4D	19-SEP-78	GW	Nitrate	8.7 mg/L	UNKNOWN	USTEST	N
H000FW36	699-S6-E4D	15-JAN-79	GW	Nitrate	11 mg/L	UNKNOWN	USTEST	N
H000FW37	699-S6-E4D	28-MAR-79	GW	Nitrate	10 mg/L	UNKNOWN	USTEST	N
H000FW38	699-S6-E4D	12-JUN-79	GW	Nitrate	11 mg/L	UNKNOWN	USTEST	N
H000FW39	699-S6-E4D	06-SEP-79	GW	Nitrate	15 mg/L	UNKNOWN	USTEST	N
H000FW40	699-S6-E4D	10-JAN-80	GW	Nitrate	13 mg/L	UNKNOWN	USTEST	N
H000FW41	699-S6-E4D	24-MAR-80	GW	Nitrate	11 mg/L	UNKNOWN	USTEST	N
H000FW42	699-S6-E4D	09-JUN-80	GW	Nitrate	13 mg/L	UNKNOWN	USTEST	N
H000FW43	699-S6-E4D	17-SEP-80	GW	Nitrate	15 mg/L	UNKNOWN	USTEST	N
H000FW44	699-S6-E4D	05-JAN-81	GW	Nitrate	24 mg/L	UNKNOWN	USTEST	N

H000FW45	699-S6-E4D	17-MAR-81	GW	Nitrate	14 mg/L	UNKNOWN	USTEST	N
H000FW46	699-S6-E4D	15-JUN-81	GW	Nitrate	13 mg/L	UNKNOWN	USTEST	N
H000FW47	699-S6-E4D	02-SEP-81	GW	Nitrate	14 mg/L	UNKNOWN	USTEST	N
H000FW48	699-S6-E4D	05-JAN-82	GW	Nitrate	12 mg/L	UNKNOWN	USTEST	N
H000FW49	699-S6-E4D	26-MAR-82	GW	Nitrate	14 mg/L	UNKNOWN	USTEST	N
H000FW50	699-S6-E4D	17-JUN-82	GW	Nitrate	14 mg/L	UNKNOWN	USTEST	N
H000FW51	699-S6-E4D	07-SEP-82	GW	Nitrate	15 mg/L	UNKNOWN	USTEST	N
H000FW52	699-S6-E4D	30-NOV-82	GW	Nitrate	16 mg/L	UNKNOWN	USTEST	N
H000FW53	699-S6-E4D	15-MAR-83	GW	Nitrate	17 mg/L	UNKNOWN	USTEST	N
H000FW54	699-S6-E4D	08-JUN-83	GW	Nitrate	15 mg/L	UNKNOWN	USTEST	N
H000FW55	699-S6-E4D	07-SEP-83	GW	Nitrate	16 mg/L	UNKNOWN	USTEST	N
H000FW56	699-S6-E4D	19-NOV-83	GW	Nitrate	16 mg/L	UNKNOWN	USTEST	N
H000FW57	699-S6-	15-MAR-	GW	Nitrate	30 mg/L	UNKNOWN	USTEST	N

	E4D	84						
H000FW58	699-S6-E4D	27-JUN-84	GW	Nitrate	27 mg/L	UNKNOWN	USTEST	N
H000FW59	699-S6-E4D	22-SEP-84	GW	Nitrate	34 mg/L	UNKNOWN	USTEST	N
H000FW60	699-S6-E4D	04-FEB-85	GW	Nitrate	39 mg/L	UNKNOWN	USTEST	N
H000FW61	699-S6-E4D	15-JUN-85	GW	Nitrate	40 mg/L	UNKNOWN	USTEST	N
H000FW62	699-S6-E4D	17-SEP-85	GW	Nitrate	48 mg/L	UNKNOWN	USTEST	N
H000FW63	699-S6-E4D	30-DEC-85	GW	Nitrate	110 mg/L	UNKNOWN	PNL-KI	N
H000FW64	699-S6-E4D	21-FEB-86	GW	Nitrate	60 mg/L	UNKNOWN	PNL-KI	N
H000FW65	699-S6-E4D	24-JUN-86	GW	Nitrate	46 mg/L	UNKNOWN	PNL-KI	N
H000FW66	699-S6-E4D	06-AUG-86	GW	Nitrate	25200 ug/L	300.0_ANIONS_IC	USTEST	N
H000FW68	699-S6-E4D	11-NOV-86	GW	Nitrate	27500 ug/L	300.0_ANIONS_IC	USTEST	N
H000FW70	699-S6-E4D	18-NOV-86	GW	Nitrate	25700 ug/L	300.0_ANIONS_IC	USTEST	N
H000FW74	699-S6-E4D	08-JAN-87	GW	Nitrate	26600 ug/L	300.0_ANIONS_IC	USTEST	N
	699-	08-						

H000FW72	S6-E4D	08-JAN-87	GW	Nitrate	26500 ug/L		300.0_ANIONS_IC	USTEST	N
H000FW77	699-S6-E4D	03-JUN-87	GW	Nitrate	24900 ug/L		300.0_ANIONS_IC	USTEST	N
H000FW75	699-S6-E4D	03-JUN-87	GW	Nitrate	24600 ug/L		300.0_ANIONS_IC	USTEST	N
H000FW80	699-S6-E4D	24-JUL-87	GW	Nitrate	23800 ug/L		300.0_ANIONS_IC	USTEST	N
H000FW78	699-S6-E4D	24-JUL-87	GW	Nitrate	23800 ug/L		300.0_ANIONS_IC	USTEST	N
H000FW82	699-S6-E4D	26-OCT-87	GW	Nitrate	26000 ug/L		300.0_ANIONS_IC	USTEST	N
H000FW81	699-S6-E4D	26-OCT-87	GW	Nitrate	26000 ug/L		300.0_ANIONS_IC	USTEST	N
H000FW83	699-S6-E4D	19-FEB-88	GW	Nitrate	23000 ug/L		300.0_ANIONS_IC	USTEST	N
H000FW85	699-S6-E4D	08-APR-88	GW	Nitrate	25500 ug/L		300.0_ANIONS_IC	USTEST	N
H000FW86	699-S6-E4D	21-JUL-88	GW	Nitrate	25400 ug/L		300.0_ANIONS_IC	USTEST	N
H000FW87	699-S6-E4D	23-NOV-88	GW	Nitrate	24900 ug/L		300.0_ANIONS_IC	USTEST	N
H000FW89	699-S6-E4D	07-APR-89	GW	Nitrate	26300 ug/L	2630	300.0_ANIONS_IC	USTEST	N
H000FW90	699-S6-E4D	23-OCT-89	GW	Nitrate	16500 ug/L	1650	300.0_ANIONS_IC	USTEST	N

H000FW91	699-S6-E4D	20-FEB-90	GW	Nitrate	27900 ug/L	2790	300.0_ANIONS_IC	USTEST		N
H00070Z9	699-S6-E4D	17-JAN-91	GW	Nitrate	26.3 mg/L		ANIONS_IC	PNL1		N
H0007351	699-S6-E4D	29-MAR-91	GW	Nitrate	26.7 mg/L		ANIONS_IC	PNL1		N
H00072V8	699-S6-E4D	21-JUN-91	GW	Nitrate	26.3 mg/L		ANIONS_IC	PNL1		N
H0007201	699-S6-E4D	03-DEC-91	GW	Nitrate	23500 ug/L	13200	D4327_ANIONS_IC	DATACH		N
B01VK4	699-S6-E4D	19-FEB-92	GW	Nitrate	26000 ug/L	14600	D4327_ANIONS_IC	DATACH		N
B06M99	699-S6-E4D	11-MAY-92	GW	Nitrate	26000 ug/L	14600	D4327_ANIONS_IC	DATACH		N
B073V6	699-S6-E4D	18-AUG-92	GW	Nitrate	26000 ug/L	14600	D4327_ANIONS_IC	DATACH		N
B07MG4	699-S6-E4D	17-NOV-92	GW	Nitrate	25000 ug/L	14100	D4327_ANIONS_IC	DATACH		N
B086M7	699-S6-E4D	10-MAR-93	GW	Nitrate	24000 ug/L	13500	D4327_ANIONS_IC	DATACH		N
B08MH3	699-S6-E4D	10-JUN-93	GW	Nitrate	25000 ug/L	2170	D4327_ANIONS_IC	DATACH		N
B08Z23	699-S6-E4D	17-AUG-93	GW	Nitrate	24000 ug/L	2080	D4327_ANIONS_IC	DATACH		N
B09LP7	699-S6-	16-NOV-	GW	Nitrate	25000 ug/L	2250	D4327_ANIONS_IC	DATACH	D	N

	E4D	93								
B09RM2	699-S6-E4D	15-FEB-94	GW	Nitrate	25000 ug/L	2250	D4327_ANIONS_IC	DATACH	D	N
B0CCL8	699-S6-E4D	01-SEP-94	GW	Nitrate	26000 ug/L		D4327_ANIONS_IC	DATACH	D	N
B0DTL5	699-S6-E4D	15-FEB-95	GW	Nitrate	24000 ug/L	5040	D4327_ANIONS_IC	DATACH	D	N
B0H9B1	699-S6-E4D	11-JAN-96	GW	Nitrate	24000 ug/L	5040	D4327_ANIONS_IC	DATACH	D	N