

REGION X

GROUND WATER MONITORING
F.Y. 1975

SOUTH TACOMA -
LAKEWOOD AREA,
WASHINGTON

ENVIRONMENTAL
PROTECTION
AGENCY
SEATTLE, WASHINGTON

GROUNDWATER MONITORING
SOUTH TACOMA-LAKEWOOD AREA, WASHINGTON

In 1973, Region X Environmental Protection Agency initiated its first groundwater quality monitoring program. Its purpose was to provide basic water quality information for groundwater in our more important aquifers. The initial monitoring program provided information on the Spokane Aquifer.

The 1974-75 monitoring program provides information on groundwater in the glacial outwash deposits in the South Tacoma-Lakewood area of Pierce County, Washington. This is a near surface aquifer whose quality could be affected by surface activities.

The monitoring was performed under an agreement by the U.S. Geological Survey and the analyses were performed in their laboratory. Samples were collected quarterly from some 16 wells and springs in the area. The groundwater from the sources sampled is used for domestic, industrial, public supply, fish hatchery and irrigation. The location of the sampling stations are depicted on Figure 1 at the back of this report. The data is presented in sequence by station number.

STORED RETRIEVAL DATE 75/10/28
PIERCE COUNTY

19013301WASH 53530002
47 05 11.0 122 41 05.0
LINTHICUM WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0115 FEET DEPTH

DESCRIPTION

WELL OWNER=R. M. LINTHICUM OWNERS #=

WELL LOCATION=PIERCE COUNTY, NE 1/4 SW 1/4 SECTION 33, T19N R1E

TYPE WELL=DRILLED DEPTH OF WELL=115 FT DATE CONSTRUCTED=

ALTITUDE LAND SURFACE=120 FT DEPTH TO WATER= FT DATE MEAS=

AQUIFER= WATER USE=DOMESTIC

REMARKS=USGS WELL NO. 1971-3312

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=FPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

19013301WASH 53530002
47 05 11.0 122 4) 05.0
LINTHICUM WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER
2111210
2 0115 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS.DISS UG/L	00440 HC03 TON HC03 MG/L	01025 CADMIUM CD.DISS UG/L	00915 CALCIUM CA.DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR.DISS UG/L	00094 CONDUCTV FIELD MICROMHO	01040 COPPER CU.DISS UG/L
74/08/23	12 30		2		1	67		12.0	4	0	150	
74/11/21	12 05		2	56	3	68	1	17.0	3	10K	153	3
75/02/13	12 15		2	56	2	68	1	12.0	2	0	150	1
75/05/29	12 30		2	57	1	70	1	12.0	4	0	143	1

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MNAS MG/L	00950 FLUORIDE F.DISS MG/L	00902 MC HARD CAC03 MG/L	00900 TOT HARD CAC03 MG/L	01046 IRON FE.DISS UG/L	01049 LEAD PB.DISS UG/L	00925 MANGNIUM MG.DISS MG/L	01056 MANGNESE MN.DISS UG/L	71900 MERCURY HG.TOTAL UG/L
74/08/23	12 30		2	0.02	0.10	4	59	100		7.1	0.0	0.0
74/11/21	12 05		2	0.00	0.00	11	67	40	4	6.0	10.0K	0.1K
75/02/13	12 15		2	0.10	0.00	1	57	30	2	6.6	0.0	0.0
75/05/29	12 30		2	0.00	0.10	0	57	50	0	6.5	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLS TOTAL UG/L	00935 PTSSIUM K.DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADDITION RATIO	00930 SODIUM NA.DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SO4-TOT MG/L	00010 WATER TEMP CENT
74/08/23	12 30		2	7.40		4.60	101	0.4	6.60	18	10	10.9
74/11/21	12 05		2		1	1.50	112	0.4	6.80	18	10	10.7
75/02/13	12 15		2	7.30	0	1.60	115	0.3	6.00	18	10	10.7
75/05/29	12 30		2	7.10	2	1.80	115	0.4	6.20	19	10	10.6

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN.DISS MG/L	00620 NIT3-N TOTAL MG/L	00615 NIT2-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT KJEL N MG/L	00671 PHOS-015 ORTHO MG/L P	00665 PHOS-TOT MG/L P
74/08/23	12 30		2	50	0.750	0.002	0.020	0.150	0.061	0.066
74/11/21	12 05		2	40	0.750	0.004	0.030	0.060	0.060	0.067
75/02/13	12 15		2	60	0.970	0.001	0.100	0.190	0.064	0.066
75/05/29	12 30		2	40	0.760	0.004	0.030	0.040	0.061	0.068

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

19013501WASH 53530003
47 05.49.0 122 37 57.0
DUPONT TOWN WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0128 FEET DEPTH

DESCRIPTION

WELL OWNER=DUPONT OWNERS #=

WELL LOCATION=PIERCE COUNTY, NE 1/4 NE 1/4 SECTION 35, T19N R1E

TYPE WELL=DRILLED DEPTH OF WELL=128 FT DATE CONSTRUCTED=
ALTITUDE LAND SURFACE=235 FT DEPTH TO WATER= FT DATE MEAS=
AQUIFER= WATER USE=PUBLIC SUPPLY

REMARKS=USGS WELL NO. 19/1-35A1

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=EPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL
2=USGS 4=WASH DEPT OF HEALTH SERVICES

2

STAKE RETRIEVAL DATE 75/10/24
PIERCE COUNTY

19013501WASH 53530003

47 05 49.0 122 37 57.0

DUPONT TOWN WELL

53 WASHINGTON

PACIFIC NORTHWEST

CHAMBERS CREEK

GROUNDWATER

2111210

0128 FEET DEPTH

2

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS,DISS UG/L	00440 HCO3-ION HCO3 MG/L	01025 CADMIUM CD,DISS UG/L	00915 CALCIUM CA,DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR,DISS UG/L	00094 CONDUCTIV FIELD MICRUMHO	01040 COPPER CU,DISS UG/L
74/08/27	12 00		2		0	61	0	14.0	4	0	158	8
74/11/21	09 55		2	50	3	61	1	15.0	4	10K	159	18
75/02/13	11 45		2	50	1	61	0	12.0	4	0	160	4
75/05/29	09 45		2	50	1	61	1	15.0	4	0	143	1

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MBAS MG/L	00950 FLUORIDE F,DISS MG/L	00902 NO3-HARD CAC03 MG/L	00900 TOT HARD CAC03 MG/L	01046 IRON FE,DISS UG/L	01049 LEAD PB,DISS UG/L	00925 MANGANESE MG,DISS MG/L	01056 MANGANESE MN,DISS UG/L	71900 MERCURY HG,TOTAL UG/L
74/08/27	12 00		2		0.00	10	60	10	1	6.1	0.0	0.0
74/11/21	09 55		2	0.10	0.00	8	58	110	10	5.1	10.0K	0.1K
75/02/13	11 45		2		0.00	2	52	10	1	5.3	0.0	0.0
75/05/29	09 45		2	0.10	0.10	10	60	10	1	5.4	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLS TOTAL UG/L	00935 PTSSIUM K,DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADSRITION RATIO	00930 SODIUM NA,DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SU4-TOT MG/L	00010 WATER TEMP CENT
74/08/27	12 00		2	6.90	0	1.60	90	0.4	6.40	18	11	12.3
74/11/21	09 55		2	6.80	0	1.30	103	0.4	6.80	20	11	11.6
75/02/13	11 45		2	6.80	0	1.10	102	0.4	6.00	20	12	11.0
75/05/29	09 45		2	6.70	0	1.20	106	0.4	6.30	18	5	11.4

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC Zn,DISS UG/L	00620 NO3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT K IEL N MG/L	00671 PHOS-DIS ORTHOD MG/L P	00665 PHOS-TOT MG/L P
74/08/27	12 00		2	0	1.800	0.008	0.040	0.042	0.031	0.038
74/11/21	09 55		2	10	1.700	0.003	0.030	0.170	0.033	0.038
75/02/13	11 45		2	30	2.100	0.001	0.040	0.130	0.027	0.036
75/05/29	09 45		2	0	1.500	0.002	0.030	0.050	0.024	0.035

2

STREET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

19012601WASH 53530001
47 06 32.0 122 37 55.0
MAGAZINE WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0080 FEET DEPTH

DESCRIPTION

WELL OWNER=DUPONT POWDER CO OWNERS #=

WELL LOCATION=PIERCE COUNTY, NE 1/4 NE 1/4 SECTION 26, T19N R1E

TYPE WELL=DRILLED DEPTH OF WELL=80 FT DATE CONSTRUCTED=

ALTITUDE LAND SURFACE=220 FT DEPTH TO WATER= FT DATE MEAS=

AQUIFER= WATER USE=INDUSTRIAL

REMARKS=USGS WELL NO. 1971-26A1

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=EPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

W

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

14012601WASH 53530001
47 06 32.0 122 37 55.0
MAGAZINE WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER
2

2111210
00RD FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 TOTAL CALCIUM MG/L	01000 ARSENIC AS, DISS UG/L	00440 NITROGEN HCO3-ION MG/L	01025 CADMIUM CD, DISS UG/L	00915 CALCIUM CA, DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR, DISS UG/L	00994 CONDUCTIVITY FIELD MICROMHO	01040 COPPER CU, DISS UG/L
74/08/27	10 30		2		1	69	1K	13.0	3	0	149	1
74/11/21	11 00		2	56	3	68	1	12.0	2	10K	148	2
75/02/13	14 10		2	56	0	68	2	12.0	3	0	146	0
75/05/29	10 45		2	58	0	71	1	12.0	3	10	140	3

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	39260 MIBAS MG/L	00950 FLUORIDE F, DISS MG/L	00902 NITRATE NO3-ION MG/L	00900 NITRATE NO3-ION MG/L	01046 IRON FE, DISS UG/L	01049 LEAD PB, DISS UG/L	00925 MANGANESE MN, DISS MG/L	01056 MANGANESE MN, DISS UG/L	71900 MERCURY HG, TOTAL UG/L
74/08/27	10 30		2	0.02	0.10	8	66	30	2	7.7	0.0	0.0
74/11/21	11 00		2	0.10	0.00	1	57	10	3	6.5	10.0	0.1
75/02/13	14 10		2	0.00	0.10	4	60	50	2	7.2	0.0	0.7
75/05/29	10 45		2	0.00	0.10	1	60	20	0	7.2	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLICS TOTAL UG/L	00935 NITRITUM NO2-ION MG/L	70300 RESIDUE DISS-180- C MG/L	00931 SODIUM ADDITION RATIO	00930 SODIUM NA, DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SO4-TOT MG/L	00010 WATER TEMP CENT
74/08/27	10 30		2	7.30	2	3.70	96	0.3	4.60	13	11	11.0
74/11/21	11 00		2	7.10	1	1.30	109	0.3	5.90	18	10	10.7
75/02/13	14 10		2	7.00	0	1.20	108	0.3	5.40	16	11	10.7
75/05/29	10 45		2	6.90	2	1.30	109	0.3	5.50	16	21	10.8

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN, DISS UG/L	00620 NITROGEN TOTAL MG/L	00615 NITROGEN TOTAL MG/L	00610 NITROGEN TOTAL MG/L	00625 TOTAL KIEL M MG/L	00671 PHOSPHORUS OR P MG/L P	00665 PHOSPHORUS TOTAL MG/L P
74/08/27	10 30		2	20	0.180	0.005	0.030	0.070	0.082	0.082
74/11/21	11 00		2	10	0.170	0.004	0.030	0.120	0.092	0.095
75/02/13	14 10		2	40	0.200	0.001	0.030	0.040	0.084	0.085
75/05/29	10 45		2	0	0.200	0.003	0.030	0.050	0.090	0.091

W

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

19021901WASH 53530006
47 06 48.0 122 35 40.0
SEQUALLITCHEW SPRING
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0999 FEET DEPTH

DESCRIPTION

WELL OWNER=U.S. ARMY - FORT LEWIS OWNERS #=

WELL LOCATION=PIERCE COUNTY, SW 1/4, SE 1/4 SECTION 19, T19N, R2E

TYPE WELL=SPRING DEPTH OF WELL= FT DATE CONSTRUCTED=

ALTITUDE LAND SURFACE=210 FT DEPTH TO WATER= FT DATE MEAS=

AQUIFER= WATER USE=PUBLIC SUPPLY

REMARKS=USGS SPRING NO. 1972-19015

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=EPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

19021901WASH 53530006
47 06 48.0 122 35 40.0
SQUALLITCHEW SPRING
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER
2

2111210
0999 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS, DISS UG/L	00440 HC03 TON HC03 MG/L	01025 CADMIUM CD, DISS UG/L	00915 CALCIUM CA, DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR, DISS UG/L	00094 CONDUCTVY FIELD MICROMHO	01040 CUPPER CU, DISS UG/L
74/08/22	16 05		2		1	49	1	11.0	4	0	114	2
74/11/21	09 20		2	41	2	50	1	12.0	3	10K	120	3
75/02/13	10 00		2	40	2	49	4	10.0	2	0	117	0
75/05/30	11 00		2	40	0	49	1	10.0	4	0	106	760

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MRA5 MG/L	00950 FLUORIDE F, DISS MG/L	00902 MC HARD CAC03 MG/L	00900 TOT HARD CAC03 MG/L	01046 IRON FE, DISS UG/L	01049 LEAD PB, DISS UG/L	00925 MANGNIUM MG, DISS MG/L	01056 MANGNESE MN, DISS UG/L	71900 MERCURY HG, TOTAL UG/L
74/08/22	16 05		2	0.02	0.20	3	43	20	15	3.8	0.0	0.0
74/11/21	09 20		2	0.00	0.20	3	44	20	3	3.5	10.0K	0.1K
75/02/13	10 00		2	0.00	0.00	0	41	30	46	3.8	10.0	0.0
75/05/30	11 00		2	0.00	0.10	0	41	10	2	3.8	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLIS TOTAL UG/L	00935 PTSSIUM K, DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADSRITION RATIO	00930 SODIUM NA, DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SU4-TOT MG/L	00010 WATER TEMP CENT
74/08/22	16 05		2	6.70	0	5.20	56	0.4	6.60	22	8	12.9
74/11/21	09 20		2	6.60	3	0.80	70	0.4	5.80	22	6	12.1
75/02/13	10 00		2	6.60	0	0.80	69	0.3	5.10	21	8	12.8
75/05/30	11 00		2	6.70	0	0.90	71	0.4	5.40	22	4	12.6

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN, DISS UG/L	00620 NH3-N TOTAL MG/L	00615 NH2-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT NIEL N MG/L	00671 PHOS-DIS ORTH0 MG/L P	00665 PHOS-TOT MG/L P
74/08/22	16 05		2	10	0.250	0.002	0.020		0.011	0.013
74/11/21	09 20		2	10K	0.270	0.004	0.030	0.050	0.010	0.011
75/02/13	10 00		2	20	0.280	0.001	0.050	0.090	0.009	0.011
75/05/30	11 00		2	0	0.230	0.001	0.050	0.060	0.009	0.012

STREET RETRIEVAL DATE 75/10/24
PIERCE COUNTY

20023201WASH 53530015
47 10 23.0 122 35 02.0
STARR WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0072 FEET DEPTH

DESCRIPTION

WELL OWNER=I.F. STARR OWNERS #=

WELL LOCATION=PIERCE COUNTY, SW 1/4 SW 1/4, SECTION 32, T20N R2E

TYPE WELL=DRILLED DEPTH OF WELL=72 FT DATE CONSTRUCTED=

ALTITUDE LAND SURFACE=230 FT DEPTH TO WATER= FT DATE MEAS=

AQUIFER= WATER USE=DOMESTIC

REMARKS=USGS WELL NO. 2072-32N1

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=FPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

20023201WASH 53530015
47 10 23.0 122 35 02.0
STARR WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER

2111210
0072 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CACON3 MG/L	01000 ARSENIC AS,DISS UG/L	00440 HCON3 TON HCON3 MG/L	01025 CADMIUM CD,DISS UG/L	00915 CALCIUM CA,DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR,DISS UG/L	00094 CONDUCTVY FIELD MICROMMH	01040 COPPER CU,DISS UG/L
74/08/26	11 45		2		10	138	1K	16.0	5	0	238	0
74/11/22	11 50		2	109	21	133	0	15.0	4	10K	231	1
75/02/14	10 30		2	103	10	125	2	14.0	4	0	225	0
75/05/28	12 30		2	87	12	106	1	15.0	4	20	215	0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MHAAS MG/L	00450 FLUORIDE F,DISS MG/L	00902 NC HARD CACON3 MG/L	00900 TOT HARD CACON3 MG/L	01046 IRON FE,DISS UG/L	01049 LEAD PB,DISS UG/L	00925 MGNESIUM MG,DISS MG/L	01056 MANGNESE MN,DISS UG/L	71900 MERCURY HG,TOTAL UG/L
74/08/26	11 45		2	0.04	0.30	0	69	1000	3	7.0	290.0	0.0
74/11/22	11 50		2	0.00	0.20	0	64	2400	4	6.5	260.0	0.1K
75/02/14	10 30		2	0.00	0.20	0	63	1500	3	6.8	250.0	0.0
75/05/28	12 30		2	0.00	0.30	0	64	1700	0	6.5	270.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLS TOTAL UG/L	00435 POTASSIUM K,DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADSORPTION RATIO	00930 SODIUM NA,DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SU4-TOT MG/L	00010 WATER TEMP CENT
74/08/26	11 45		2	7.30	0	4.30	153	0.4	18.00	33	2	10.0
74/11/22	11 50		2	7.40	1	3.10	155	0.9	17.00	35	2	10.2
75/02/14	10 30		2	7.10	0	3.00	155	17.0	36.00	2	2	10.2
75/05/28	12 30		2	7.10	0	2.90	153	0.9	16.00	34	2	10.3

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN,DISS UG/L	00620 NH3-N TOTAL MG/L	00615 NH2-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT KJEL N MG/L	00671 PHOS-DIS ORTHO MG/L P	00665 PHOS-TOT MG/L P
74/08/26	11 45		2	50	0.090	0.004	2.600		1.700	1.700
74/11/22	11 50		2	30	0.030	0.002	2.600	3.100	1.600	1.600
75/02/14	10 30		2	80	0.020	0.002	3.000	3.400	0.770	1.700
75/05/28	12 30		2	0.02	0.020	0.003	3.400	3.400	1.100	1.400

SECRET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

20023301WASH 54530016
47 10 50.0 122 34 04.0
HOSPITAL SPRING
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0949 FEET DEPTH

DESCRIPTION

WELL OWNER=WESTERN STATE HOSPITAL OWNERS #=
WELL LOCATION=PIERCE COUNTY, SW 1/4 NW 1/4 SECTION 33, T20N, R2E

TYPE WELL=SPRING DEPTH OF WELL= FT DATE CONSTRUCTED=
ALTITUDE LAND SURFACE=160 FT DEPTH TO WATER= FT DATE MEAS=
ADDITIONAL= WATER USE=IRRIGATION
REMARKS=USGS SPRING NO. 20/2-33B1S

LAR IDENTIFICATION # = LAR NAME WHICH RAN ANALYSIS ---

1=FPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL
2=USGS 4=WASH DEPT OF HEALTH SERVICES

6

STORFT RETRIEVAL DATE 75/10/29
PIERCE COUNTY

20023301WASH 53530016
47 10 50.0 122 34 04.0
HOSPITAL SPRING
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER

2111210
0999 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS,DISS UG/L	00440 HCO3 TON HCO3 MG/L	01025 CADMIUM CD,DISS UG/L	00415 CALCIUM CA,DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR,DISS UG/L	00094 CONDUCTVY FIELD MICROMHO	01040 COPPER CU,DISS UG/L
74/08/22	11 45		2		0	55	1K	14.0	6	0	147	0
74/11/22	11 00		2	48	3	58	0	14.0	6	10K	151	4
75/02/14	12 00		2	44	1	54	1	17.0	7	0	160	0
75/05/28	13 30		2	47	0	57	1	16.0	6	10	143	1

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MBAS MG/L	00450 FLUORIDE F,DISS MG/L	00402 MC HARD CAC03 MG/L	00900 TOT HARD CAC03 MG/L	01046 IRON FE,DISS UG/L	01049 LEAD PB,DISS UG/L	00925 MAGNESIUM MG,DISS MG/L	01056 MANGNESE MN,DISS UG/L	71400 MERCURY HG,TOTAL UG/L
74/08/22	11 45		2	0.03	0.00	17	63	0	4	6.7	0.0	0.0
74/11/22	11 00		2	0.00	0.00	7	55	10	3	4.8	10.0	0.1K
75/02/14	12 00		2	0.00	0.00	18	63	20	1	4.9	10.0	0.0
75/05/28	13 30		2	0.00	0.10	15	62	40	0	5.4	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLS TOTAL UG/L	00435 PTSSIUM K,DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADDITION RATIO	00930 SODIUM NA,DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SU4-TOT MG/L	00010 WATER TEMP CENT
74/08/22	11 45		2	6.80	2	4.60	82	0.4	6.80	18	10	12.2
74/11/22	11 00		2	6.40	0	1.00	95	0.4	7.30	22	9	12.2
75/02/14	12 00		2	6.30	0	1.20	102	0.4	6.70	19	10	11.3
75/05/28	13 30		2	6.40	0	1.30	102	0.4	7.20	20	12	12.4

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN,DISS UG/L	00620 M03-N TOTAL MG/L	00615 M02-N TOTAL MG/L	00610 M03-N TOTAL MG/L	00625 TOT KIEL N MG/L	00671 PHOS-DIS ORTHO MG/L P	00665 PHOS-TOT MG/L P
74/08/22	11 45		2	10	1.600	0.002	0.020		0.023	0.028
74/11/22	11 00		2	10K	1.500	0.002	0.010	0.090	0.021	0.030
75/02/14	12 00		2	10	2.500	0.001	0.010	0.250	0.023	0.024
75/05/28	13 30		2	0	1.900	0.004	0.020	0.110	0.021	0.024

9

STORET RETRIEVAL DATE 75/10/24
PIERCE COUNTY

20022001WASH 53530011
47 12 13.0 122 44 30.0
GRAVEL PIT SPRING
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 211210
2 0000 FFF1 DEPTH

DESCRIPTION

WELL OWNER=ONE STAR INDUSTRIES OWNERS #=

WELL LOCATION=PIERCE COUNTY, NW 1/4, SE 1/4, SECTION 20, 120N, R2E

TYPE WELL=SPRING DEPTH OF WELL= FT DATE CONSTRUCTED=

ALTITUDE LAND SURFACE=15 FT DEPTH TO WATER= FT DATE MEAS=

AQUIFER= WATER USE=UNUSED

REMARKS=USGS SPRING NO. 2072-20K15

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=EPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

STORRET RETRIEVAL DATE 75/10/24
PIERCE COUNTY

20022001WASH 53530011
47 12 13.0 122 34 30.0
GRAVEL PIT SPRING
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER
2 2111210
0999 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS.DISS UG/L	00440 HC03 ION HC03 MG/L	01025 CADMIUM CD.DISS UG/L	00915 CALCIUM CA.DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR.DISS UG/L	00094 CONDUCTIV FIELD MICROMHO	01040 COPPER CU.DISS UG/L
74/09/09	13 30		2		1	49	0	11.0	5	0	145	2
74/11/22	10 50		2	24	4	32	1	8.2	2	10K	103	2
75/02/14	14 00		0	23	2	24	0	5.0	2	0	145	0
75/05/28	15 00		2	35	1	43	1	4.7	2	10	115	0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MNAS MG/L	00450 FLUORIDE F.DISS MG/L	00402 NO HARD CAC03 MG/L	00400 TOT HARD CAC03 MG/L	01046 IRON FE.DISS UG/L	01049 LEAD PB.DISS UG/L	00925 MANGANIUM MG.DISS MG/L	01056 MANGNESE MN.DISS UG/L	71900 MERCURY HG+TOTAL UG/L
74/09/09	13 30		2	0.01	0.10	15	55	50	3	6.7	0.0	0.0
74/11/22	10 50		2	0.00	0.00	14	40	10	9	4.8	10.0K	0.1K
75/02/14	14 00		0	0.00	0.00	5	28	10	1	3.7	0.0	0.0
75/05/28	15 00		2	0.00	0.10	13	48	20	0	5.8	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOL S TOTAL UG/L	00935 PTSSIUM K.DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM Na+DISS RATIO	00930 SODIUM NA.DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SO4-TOT MG/L	00010 WATER TEMP CENT
74/09/09	13 30		2	7.00	0	1.50	87	0.3	5.20	17	16	14.0
74/11/22	10 50		2	7.40	0	0.90	78	0.3	4.30	18	13	10.5
75/02/14	14 00		0	7.00	0	1.10	67	0.3	3.10	19	12	8.5
75/05/28	15 00		2	7.20	0	1.30	93	0.3	4.50	16	15	13.6

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN.DISS UG/L	00620 NO3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT KJEL N MG/L	00671 PHOS-DIS ORTHO MG/L P	00665 PHOS-TOT MG/L P
74/09/09	13 30		2	0	1.400	0.015	0.150		0.056	0.068
74/11/22	10 50		2	10K	0.740	0.010	0.080	0.140	0.050	0.056
75/02/14	14 00		0	10	0.490	0.004	0.070	0.150	0.047	0.044
75/05/28	15 00		2	0	1.100	0.003	0.030	0.080	0.035	0.048

STORET RETRIEVAL DATE 75/10/24
PIERCE COUNTY

20022201WASH 54530012
47 12 09.0 122 32 42.0
WRIGHT ACADEMY WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0150 FEET DEPTH

DESCRIPTION

WELL OWNER=WRIGHT ACADEMY OWNERS #=

WELL LOCATION=PIERCE COUNTY, SW 1/4 SW 1/4 SECTION 22, T20N R2E

TYPE WELL=DRILLED DEPTH OF WELL=150 FT DATE CONSTRUCTED=

ALTITUDE LAND SURFACE=230 FT DEPTH TO WATER= FT DATE MEAS=

AQUIFER= WATER USE=PUBLIC SUPPLY

REMARKS=USGS WELL NO. 2072-22N3

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=EPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

STORET RETRIEVAL DATE 75/10/28.
PIERCE COUNTY

20022201WASH 53530012
47 12 09.0 122 32 42.0
WRIGHT ACADEMY WEL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER
2

2111210
0150 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS,DISS UG/L	00440 HC03 ION HC03 MG/L	01025 CADMIUM CD,DISS UG/L	00915 CALCIUM CA,DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR,DISS UG/L	00094 CONDUCTVY FIELD MICROMHO	01040 COPPER CU,DISS UG/L
74/08/29	14 10		2		1	64	1K	7.3	3	0	144	4
74/11/22	14 00		2	52	6	63	1	7.7	3	10K	141	1
75/02/14	15 00		2	53	2	64	0	10.0	3	0	140	0
75/05/28	16 00		2	53	3	64	1	7.6	3	0	135	0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 BRAS MG/L	00950 FLUORIDE F,DISS MG/L	00902 NO HARD CAC03 MG/L	00900 TOT HARD CAC03 MG/L	01046 IRON FE,DISS UG/L	01049 LEAD PB,DISS UG/L	00925 MGNESIUM MG,DISS MG/L	01056 MANGNESE MN,DISS UG/L	71900 MERCURY HG,TOTAL UG/L
74/08/29	14 10		2	0.05	0.10	3	56	40	2	9.1	90.0	0.0
74/11/22	14 00		2	0.00	0.10	2	54	70	3	8.4	60.0	0.1K
75/02/14	15 00		2	0.00	0.10	9	61	40	0	8.8	70.0	0.0
75/05/28	16 00		2	0.10	0.10	0	53	60	0	8.2	80.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLS TOTAL UG/L	00935 PTSSSIUM K,DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADSRATION RATIO	00930 SODIUM NA,DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SU4-TOT MG/L	00010 WATER TEMP CENT
74/08/29	14 10		2	7.40	0	2.20	98	0.3	5.60	17	12	10.4
74/11/22	14 00		2	7.40	0	2.00	102	0.4	6.80	21	12	10.8
75/02/14	15 00		2	7.10	1	1.90	101	0.3	5.40	16	12	11.5
75/05/28	16 00		2	7.10	4	2.00	0	0.4	6.50	20	13	10.9

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN,DISS UG/L	00620 NH3-N TOTAL MG/L	00615 NH3-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT KIEL N MG/L	00671 PHOS-DIS ORTHO MG/L P	00665 PHOS-TOT MG/L P
74/08/29	14 10		2	80	0.140	0.002	0.020		0.053	0.054
74/11/22	14 00		2	60	0.000	0.001	0.030	0.040	0.055	0.072
75/02/14	15 00		2	120	0.040	0.005	0.050	0.290	0.050	0.050
75/05/28	16 00		2	100	0.030	0.004	0.020	0.060	0.053	0.054



STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

20022701WASH 53530014
47 11 10.0 122 32 05.0
GALE FARM SPRING
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0999 FEET DEPTH

DESCRIPTION

WELL OWNER=STATE OF WASHINGTON OWNERS #=

WELL LOCATION=PIERCE COUNTY, SW 1/4 SE 1/4, SECTION 27, T20N, R2E

TYPE WELL=SPRING DEPTH OF WELL= FT DATE CONSTRUCTED=

ALTITUDE LAND SURFACE=180 FT DEPTH TO WATER= FT DATE MEAS=

AQUIFER= WATER USE=FISH HATCHERY

REMARKS=USGS SPRING NO. 20/2-27015

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=FPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

6

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

20022701WASH 53530014
47 11 10.0 122 32 05.0
GAME FARM SPRING
53 - WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER

2111210
0999 FEET DEPTH
2

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS, DISS UG/L	00440 HCO3 TON HCO3 MG/L	01025 CADMIUM CD, DISS UG/L	00915 CALCIUM CA, DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR, DISS UG/L	00094 CONDUCTV FIELD MICROHMO	01040 COPPER CU, DISS UG/L
74/08/22	10 45		2		0	54	1K	13.0	6	0	145	0
74/11/22	12 40		2	45	3	55	1	13.0	5	10K	141	0
75/02/14	09 45		2	44	2	54	1	13.0	6	0	143	0
75/05/30	08 30		2	43	6	53	1	13.0	6	0	140	0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MBAS MG/L	00950 FLUORIDE F, DISS MG/L	00902 NO HARD CAC03 MG/L	00900 TOT HARD CAC03 MG/L	01046 IRON FE, DISS UG/L	01049 LEAD PB, DISS UG/L	00925 MGNSTIUM MG, DISS MG/L	01056 MANGNESE MN, DISS UG/L	71900 MERCURY HG, TOTAL UG/L
74/08/22	10 45		2	0.08	0.00	7	51		3	4.6	0.0	0.0
74/11/22	12 40		2	0.00	0.00	6	51	10	1	4.6	10.0K	0.1K
75/02/14	09 45		2	0.00	0.00	7	51	10	0	4.6	0.0	0.0
75/05/30	08 30		2	0.00	0.10	10	53	10	0	5.0	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLS TOTAL UG/L	00935 POTASSIUM K, DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADSORPTION RATIO	00930 SODIUM NA, DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SU4-TOT MG/L	00010 WATER TEMP CENT
74/08/22	10 45		2	7.00	3	9.30	76	0.4	6.80	19	9	12.1
74/11/22	12 40		2	6.90	1	1.10	94	0.4	7.10	23	7	12.6
75/02/14	09 45		2	6.40	0	1.20	97	0.4	6.80	22	9	10.7
75/05/30	08 30		2	6.60	1	1.10	97	0.4	7.00	22	9	11.9

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN, DISS UG/L	00620 NO3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT KIEL N MG/L	00671 PHOS-DISS ORTHO MG/L P	00665 PHOS-TOT MG/L P
74/08/22	10 45		2	10	1.700	0.004	0.030		0.039	0.040
74/11/22	12 40		2	10K	1.300	0.003	0.010	0.070	0.039	0.046
75/02/14	09 45		2	10	1.600	0.001	0.070	0.260	0.040	0.040
75/05/30	08 30		2	0	1.700	0.006	0.030	0.070	0.039	0.039

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

20022501WASH 53530013
47 11 06.0 122 29 50.0
ELEFT DAIRY WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0060 FEET DEPTH

DESCRIPTION

WELL OWNER=ELEFT DAIRY OWNERS #=

WELL LOCATION=PIERCE COUNTY, SE 1/4 SW 1/4 SECTION 25, T20N R2E

TYPE WELL=DRILLED DEPTH OF WELL=60 FT DATE CONSTRUCTED=
ALTITUDE LAND SURFACE=247 FT DEPTH TO WATER= FT DATE MEAS=
AQUIFER= WATER USE=INDUSTRIAL
REMARKS=USGS WELL NO. 2072-25P2

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=EPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL
2=USGS 4=WASH DEPT OF HEALTH SERVICES

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

20022501WASH 53530013
47 11 06.0 122 29 50.0
FLETT DAIRY WFL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER
2

2111210
0060 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS,DISS UG/L	00440 MCO3 ION HCO3 MG/L	01025 CADMIUM CD,DISS UG/L	00915 CALCIUM CA,DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR,DISS UG/L	00094 CONDUCTIV FIELD MICROMHO	01040 COPPER CU,DISS UG/L
74/08/22	09 50		2		0	97	1K	24.0	12	0	262	1
74/11/22	09 10		2	77	5	94	1	23.0	10	10K	260	2
75/02/14	08 30		2	75	2	91	2	22.0	11	0	253	0
75/05/28	09 30		2	71	1	86	1	21.0	10	10	237	1

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MRA5 MG/L	00950 FLUORIDE F,DISS MG/L	00902 NO HARD CAC03 MG/L	00900 TOT HARD CAC03 MG/L	01046 IRON FE,DISS UG/L	01049 LEAD PB,DISS UG/L	00925 MAGNESIUM MG,DISS MG/L	01056 MANGNESE MN,DISS UG/L	71900 MERCURY HG,TOTAL UG/L
74/08/22	09 50		2	0.05	0.00	1	80	10	4	4.9	0.0	0.0
74/11/22	09 10		2	0.00	0.00	30	110	10	5	12.0	10.0K	0.1K
75/02/14	08 30		2	0.00	0.00	30	100	10	1	12.0	0.0	0.0
75/05/28	09 30		2	0.10	0.00	27	98	20	0	11.0	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLIC TOTAL UG/L	00935 POTASSIUM K,DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADSORPTION RATIO	00930 SODIUM NA,DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SO4-TOT MG/L	00010 WATER TEMP CENT
74/08/22	09 50		2	6.80	2	9.30	159	0.5	11.00	21	20	12.0
74/11/22	09 10		2	7.20	0	2.70	163	0.3	7.90	13	20	11.6
75/02/14	08 30		2	7.00	0	2.60	164	0.3	6.90	12	20	11.7
75/05/28	09 30		2	6.80	0	2.50	159	0.3	7.30	14	21	11.8

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01040 ZINC ZN,DISS UG/L	00620 NITR-N TOTAL MG/L	00615 NITR-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT KJEL N MG/L	00671 PHOS-DISS ORTHOP MG/L P	00665 PHOS-TOT MG/L P
74/08/22	09 50		2	20	3.400	0.005	0.040	0.430	0.054	0.054
74/11/22	09 10		2	10	3.500	0.003	0.010	0.120	0.049	0.053
75/02/14	08 30		2	30	3.200	0.002	0.060	0.190	0.050	0.052
75/05/28	09 30		2	10	2.900	0.006	0.050	0.210	0.066	0.071

STORET RETRIEVAL DATE 75/10/24
PIERCE COUNTY

20021301WASH 53530010
47 13 06.0 122 29 00.0
TACOMA WELL #14
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0112 FEET DEPTH

DESCRIPTION

WELL OWNER=CITY OF TACOMA OWNERS #=

WELL LOCATION=PIERCE COUNTY, NE 1/4 SE 1/4 SECTION 13, T20N R2E

TYPE WELL=DRILLED DEPTH OF WELL=112 FT DATE CONSTRUCTED=

ALTITUDE LAND SURFACE=269 FT DEPTH TO WATER= FT DATE MEAS=

ANNUFER= WATER USE=PUBLIC SUPPLY

REMARKS=USGS WELL NO. 20/2-13.12

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=EPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

20021301WASH 53530010
47 13.06.0 122 29 00.0
TACOMA WELL 11A
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER
2

2111210
0112 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS,DISS UG/L	00440 HC03 ION HC03 MG/L	01025 CADMIUM CD,DISS UG/L	00915 CALCIUM CA,DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR,DISS UG/L	00094 CONDUCTIV FIELD MICROMHO	01040 COPPER CU,DISS UG/L
74/08/23	10 05		2		0	95	1K	22.0	25	0	297	1
74/11/21	08 15		2	78	4	95	1	22.0	20	10K	285	2
75/02/13	08 30		2	78	1	95	0	20.0	23	0	288	0
75/05/29	08 30		2	80	1	97	1	22.0	28	10	305	2

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MBAS MG/L	00950 FLUORIDE F,DISS MG/L	00902 MC HARD CAC03 MG/L	00900 TOT HARD CAC03 MG/L	01045 IRON FE,DISS UG/L	01049 LEAD PB,DISS UG/L	00925 MANGANESE MG,DISS MG/L	01055 MANGANESE MN,DISS UG/L	71900 MERCURY HG,TOTAL UG/L
74/08/23	10 05		2	0.03	0.00	35	110	50	13	14.0	0.0	0.0
74/11/21	08 15		2	0.10	0.00	35	110	10	2	14.0	10.0K	0.1K
75/02/13	08 30		2	0.00	0.00	30	110	10	2	14.0	10.0	0.0
75/05/29	08 30		2	0.10	0.00	37	120	0	0	15.0	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SI	32730 PHENOLS TOTAL UG/L	00935 PTSSSIUM K,DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADDITION RATIO	00930 SODIUM NA,DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SO4-TOT MG/L	00010 WATER TEMP CENT
74/08/23	10 05		2	7.00	1	2.30	172	0.5	12.00	18	20	11.2
74/11/21	08 15		2	6.90	0	2.50	173	0.5	12.00	18	19	10.2
75/02/13	08 30		2	7.00	0	2.40	174	0.5	12.00	19	20	11.0
75/05/29	08 30		2	6.80	0	2.40	187	0.5	13.00	19	23	10.8

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN,DISS UG/L	00620 NO3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT KIEL N MG/L	00671 PHOS-DIS ORTHO MG/L P	00665 PHOS-TOT MG/L P
74/08/23	10 05		2	20	2.400	0.001	0.010		0.025	0.025
74/11/21	08 15		2	10K	2.500	0.022	0.020	0.120	0.023	0.026
75/02/13	08 30		2	30	2.300	0.001	0.040	0.150	0.021	0.032
75/05/29	08 30		2	0	2.000	0.002	0.030	0.080	0.023	0.024

11

STORET RETRIEVAL DATE 75/10/24
PIERCE COUNTY

19020201WASH 53530005
47 09 45.0 122 31 09.0
POND OF LEON SPRING
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0944 FEET DEPTH

DESCRIPTION

WELL OWNER=VILLA PLAZA

OWNERS #=

WELL LOCATION=PIERCE COUNTY, NE 1/4 SW 1/4, SECTION 2, T19N, R2E

TYPE WELL=SPRING DEPTH OF WELL= FT DATE CONSTRUCTED=

ALTITUDE LAND SURFACE=250 FT DEPTH TO WATER= FT DATE MEAS=

ADDITIONAL= WATER USE=UNUSED

REMARKS=USGS SPRING NO. 1972-2115

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=FPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

14020201WASH 53530005
47 04 45.0 122 31 09.0
SOURCE OF LEAD SPRING
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER

2111210
0999 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS,DISS UG/L	00440 HCO3 TUN HCO3 MG/L	01025 CADMIUM CD,DISS UG/L	00915 CALCIUM CA,DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR,DISS UG/L	00094 CONDUCTIV FIELD MICROMHO	01040 COPPER CU,DISS UG/L
74/09/09	15 15		2		1	58	0	14.0	10K	0	145	1
74/11/22	14 30		2	44	3	54	1	14.0	6	10	140	3
75/02/13	17 30		2	37	1	45	0	11.0	5	0	130	0
75/05/30	09 30		2	42	1	51	1	13.0	5	0	117	0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MBAS MG/L	00950 FLUORIDE F,DISS MG/L	00902 NO HARD CAC03 MG/L	00900 TOT HARD CAC03 MG/L	01046 IRON FE,DISS UG/L	01049 LEAD PB,DISS UG/L	00925 MAGNESIUM MG,DISS MG/L	01056 MANGNESE MN,DISS UG/L	71900 MERCURY HG,TOTAL UG/L
74/09/09	15 15		2	0.02	0.10	3	51	150	2	3.8	0.0	0.0
74/11/22	14 30		2	0.20	0.00	6	51	10	3	3.8	10.0	0.1
75/02/13	17 30		2	0.10	0.00	4	41	10	1	3.3	0.0	0.2
75/05/30	09 30		2	0.00	0.00	7	49	10	0	4.0	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLIC TOTAL UG/L	00935 NITSSIUM K,DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADDITION RATIO	00930 SODIUM NA,DISS MG/L	00942 PERCENT SODIUM %	00945 SULFATE SU4-TOT MG/L	00010 WATER TEMP CENT
74/09/09	15 15		2	6.40	5	1.20	78	0.4	6.90	22	8	12.0
74/11/22	14 30		2	6.40	0	0.80	92	0.5	7.40	24	7	13.0
75/02/13	17 30		2	6.50	3	1.30	90	0.4	6.30	24	8	11.2
75/05/30	09 30		2	6.30	0	1.10	87	0.4	6.60	22	6	10.5

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN,DISS UG/L	00620 N03-N TOTAL MG/L	00615 N02-N TOTAL MG/L	00610 N03-N TOTAL MG/L	00625 TOT NIEL N MG/L	00671 PHOS-DIS ORTHO MG/L P	00665 PHOS-TOT MG/L P
74/09/09	15 15		2	0	1.300	0.002	0.020	0.120	0.120	0.120
74/11/22	14 30		2	10	1.800	0.003	0.010	0.180	0.100	0.100
75/02/13	17 30		2	0	1.700	0.001	0.060	0.200	0.110	0.110
75/05/30	09 30		2	0	1.300	0.002	0.030	0.050	0.110	0.120

STREET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

19020101WASH 53530004
47 10 07.0 122 28 55.0
WM GRAB WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0060 FEET DEPTH

DESCRIPTION

WELL OWNER=WILLIAM GRAB OWNERS #=

WELL LOCATION=PIERCE COUNTY NE 1/4 NE 1/4 SECTION 1, T19N, R2E

TYPE WELL=DRILLED DEPTH OF WELL=60 FT DATE CONSTRUCTED=

ALTITUDE LAND SURFACE=305 FT DEPTH TO WATER= FT DATE MEAS=

AQUIFER= WATER USE=DOMESTIC

REMARKS=USGS WELL NO. 1972-1A2

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=FPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

19020101WASH 53530704
47 10 07.0 122 28 55.0
WM GRAB WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER
2111210
0060 FEET DEPTH
2

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS,DISS UG/L	00440 HC03 JON HC03 MG/L	01025 CADMIUM CD,DISS UG/L	00415 CALCIUM CA,DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR,DISS UG/L	00094 CONDUCTIVITY FIELD MICROMHO	01040 COPPER CU,DISS UG/L
74/08/22	13 45		2		0	36	1K	19.0	12	0	212	3
74/11/21	13 05		2	32	3	39	0	20.0	13	0	235	2
75/02/18	11 00		2	30	1	36	10	19.0	12	0	224	11
75/05/28	11 00		2	30	.0	37	1	18.0	12	10	220	1

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MNAS MG/L	00450 FLUORIDE F,DISS MG/L	00902 NC HARD CAC03 MG/L	00900 TOT HARD CAC03 MG/L	01046 IRON FE,DISS UG/L	01049 LEAD PB,DISS UG/L	00925 MAGNESIUM MG,DISS MG/L	01056 MANGNESE MN,DISS UG/L	71900 MERCURY HG,TOTAL UG/L
74/08/22	13 45		2	0.06	0.00	36	66	10	3	4.5	0.0	0.0
74/11/21	13 05		2	0.00	0.00	45	77	10	3	6.5	16K	0.1K
75/02/18	11 00		2		0.00	44	74	30	5	6.4	0.0	0.0
75/05/28	11 00		2	0.10	0.00	41	72	40	0	6.5	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLS TOTAL UG/L	00435 PTSSJUM K,DISS MG/L	70300 RESIDUE DISS-JRD C MG/L	00931 SODIUM ADSORPTION RATIO	00930 SODIUM NA,DISS MG/L	00432 PERCENT SODIUM %	00945 SULFATE SO4-TOT MG/L	00010 WATER TEMP CENT
74/08/22	13 45		2	7.00	4	4.60	136	0.5	10.00	23	20	12.6
74/11/21	13 05		2	7.10	0	1.40	159	0.5	11.00	24	23	12.4
75/02/18	11 00		2	7.20	3	1.30	159	0.4	11.00	24	21	12.4
75/05/28	11 00		2	7.20	19	1.40	155	0.5	10.00	23	21	12.4

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN,DISS UG/L	00620 NO3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT KJEL N MG/L	00671 PHOS-DIS ORTHO MG/L P	00665 PHOS-TOT MG/L P
74/08/22	13 45		2	10	7.600	0.004	0.030		0.044	0.058
74/11/21	13 05		2	10	8.800	0.021	0.020	0.140	0.043	0.050
75/02/18	11 00		2	20	8.000	0.004	0.040	0.240	0.046	0.047
75/05/28	11 00		2	20	7.900	0.004	0.020	0.160	0.052	0.059

STORRET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

19030501WASH 53530007
47 39 37.0 122 26 43.0
J. BRUNTON WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0080 FEET DEPTH

DESCRIPTION

WELL OWNER=MRS. J. BRUNTON OWNERS #=

WELL LOCATION=PIERCE COUNTY, NW 1/4 SE 1/4, SECTION 5, T19N, R3E

TYPE WELL=DRILLED DEPTH OF WELL=80 FT DATE CONSTRUCTED=

ALTITUDE LAND SURFACE=323 FT DEPTH TO WATER= FT DATE MEAS=

AQUIFER= WATER USE=DOMESTIC

REMARKS=USGS WELL NO. 1973-5K1

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=FPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

STORFT RETRIEVAL DATE 75/10/28
PIERCE COUNTY

14030501WASH 53530007
47 39 37.0 122 26 43.0
J. BRUNTON WELL
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GRD WATER 2111210
2 0080 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS,DISS UG/L	00440 HC03 ION HC03 MG/L	01025 CADMIUM CD,DISS UG/L	00915 CALCIUM CA,DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR,DISS UG/L	00094 CONDUCTVY FIELD MICROMHO	01040 COPPER CU,DISS UG/L
74/08/28	15 45		2		0	50	1K	16.0	11	0	210	16
74/11/21	16 00		2	41	3	50	1	16.0	11	10K	219	16
75/02/13	16 30		2	40	1	49	0	16.0	10	0	214	10
75/05/29	16 30		2	43	1	52	1	15.0	9	0	204	9

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MBAAS MG/L	00950 FLUORIDE F,DISS MG/L	00902 NO3 HARD CAC03 MG/L	00900 TOT HARD CAC03 MG/L	01046 IRON FE,DISS UG/L	01049 LEAD PB,DISS UG/L	00925 MAGNESIUM MG,DISS MG/L	01056 MANGNESE MN,DISS UG/L	71900 MERCURY HG,TOTAL UG/L
74/08/28	15 45		2	0.03	0.00	36	77	30	2	9.1	0.0	0.0
74/11/21	16 00		2	0.00	0.00	31	72	0	3	7.9	10.0K	0.1K
75/02/13	16 30		2	0.10	0.00	35	75	10	1	8.5	0.0	0.0
75/05/29	16 30		2	0.00	0.00	29	72	30	0	8.4	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLS TOTAL UG/L	00935 PTSSIUM K,DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADSBITION RATIO	00930 SODIUM NA,DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SU4-TOT MG/L	00010 WATER TEMP CENT
74/08/28	15 45		2	6.80	1	2.80	127	0.5	9.20	20	16	12.0
74/11/21	16 00		2	6.70	0	1.80	140	0.5	9.30	21	15	11.3
75/02/13	16 30		2	6.90	2	1.80	133	0.4	8.70	20	15	11.5
75/05/29	16 30		2	6.60	0	1.80	142	0.5	8.80	20	15	11.7

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN,DISS UG/L	00620 NO3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT KJEL N MG/L	00671 PHOS-DIS (RTHO MG/L P	00665 PHOS-TOT MG/L P
74/08/28	15 45		2	0	7.500	0.011	0.030	0.150	0.014	0.015
74/11/21	16 00		2	10	7.700	0.006	0.060	0.140	0.017	0.019
75/02/13	16 30		2	10	6.700	0.001	0.020	0.150	0.015	0.016
75/05/29	16 30		2	10	7.200	0.001	0.030	0.050	0.015	0.017

14

STREET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

19030801WASH 53530008
47 05 06.0 122 26 38.0
PARKLAND NO 1
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER 2111210
2 0216 FEET DEPTH

DESCRIPTION

WELL OWNER=CITY OF PARKLAND OWNERS #=1

WELL LOCATION=PIERCE COUNTY, SE 1/4 NE 1/4, SECTION 8, T19N, R3E

TYPE WELL=DRILLED DEPTH OF WELL=216 FT DATE CONSTRUCTED=

ALTITUDE LAND SURFACE=330 FT DEPTH TO WATER= FT DATE MEAS=

AQUIFER= WATER USE=PUBLIC SUPPLY

REMARKS=(USGS WELL NO. 1973-BH1)

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=EPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

14030801WASH 5353000R
47 05 06.0 122 26 38.0
PARKLAND NO 1
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER
2 211210
0216 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CAC03 MG/L	01000 ARSENIC AS.DISS UG/L	00440 HC03 ION HC03 MG/L	01025 CADMIUM CD.DISS UG/L	00915 CALCIUM CA.DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR.DISS UG/L	00094 CONDUCTV FIELD MICROMHO	01040 CUPPER CU.DISS UG/L
74/08/22	14 55		2		2	61	1K	12.0	3	0	125	1
74/11/21	14 40		2	50	9	61	1	12.0	2	10K	123	1
75/02/13	15 10		2	50	6	61	0	11.0	3	0	130	0
75/05/29	14 15		2	51	.5	62	1	11.0	3	10	119	0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MRA5 MG/L	00450 FLUORIDE F.DISS MG/L	00902 NC HARD CAC03 MG/L	00900 TOT HARD CAC03 MG/L	01046 IRON FE.DISS UG/L	01049 LEAD PB.DISS UG/L	00925 MAGNESIUM MG.DISS MG/L	01056 MANGNESE MN.DISS UG/L	71900 MERCURY HG.TOTAL UG/L
74/08/22	14 55		2	0.00	0.10	8	58	140	0	6.8	0.0	0.0
74/11/21	14 40		2	0.10	0.10	0	47	10	1	4.2	10.0K	0.3
75/02/13	15 10		2	0.00	0.10	0	46	20	1	4.5	0.0	0.0
75/05/29	14 15		2	0.00	0.10	0	48	10	0	4.9	0.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLS TOTAL UG/L	00935 PTSSIUM K.DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADSRITION RATIO	00930 SODIUM NA.DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SO4-TOT MG/L	00010 WATER TEMP CENT
74/08/22	14 55		2	7.30	2	2.70	83	0.3	5.70	17	4	10.8
74/11/21	14 40		2	7.50	2	2.20	93	0.4	5.70	20	3	10.6
75/02/13	15 10		2	7.60	0	1.80	96	0.3	5.30	19	3	10.8
75/05/29	14 15		2	7.70	3	1.90	97	0.3	5.50	19	3	10.6

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN.DISS UG/L	00620 NO3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT KJEL N MG/L	00671 PHOS-DIS ORTH0 MG/L P	00665 PHOS-TOT MG/L P
74/08/22	14 55		2	20	1.100	0.004	0.030	0.080	0.270	0.280
74/11/21	14 40		2	10K	1.100	0.003	0.030	0.050	0.270	0.270
75/02/13	15 10		2	20	1.100	0.001	0.040	0.200	0.280	0.300
75/05/29	14 15		2	0	1.200	0.007	0.030	0.050	0.290	0.300

STREET RETRIEVAL DATE 15/10/28
PIERCE COUNTY

19031701WASH 53530009
47 07 43.0 122 26 32.0
PARKLAND NO 4
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GRODATER 2111210
2 0077 FEET DEPTH

DESCRIPTION

WELL OWNER=CITY OF PARKLAND OWNERS #=4

WELL LOCATION=PIERCE COUNTY, SE 1/4 SE 1/4, SECTION 17, T19N R3E

TYPE WELL=DRILLED DEPTH OF WELL=77 FT DATE CONSTRUCTED=

ALTITUDE (AND) SURFACE=315 FT DEPTH TO WATER= FT DATE MEAS=

AQUIFER= WATER USE=PUBLIC SUPPLY

REMARKS=USGS WELL NO. 1973-17R2

LAB IDENTIFICATION # = LAB NAME WHICH RAN ANALYSIS ---

1=FPA 3=WASH DEPT OF ECOLOGY 5=COMMERCIAL

2=USGS 4=WASH DEPT OF HEALTH SERVICES

STORET RETRIEVAL DATE 75/10/28
PIERCE COUNTY

19031701WASH 53530009
47 07 43.0 122 26 32.0
PARKLAND NO 4
53 WASHINGTON
PACIFIC NORTHWEST
CHAMBERS CREEK
GROUNDWATER

2111210
0077 FEET DEPTH

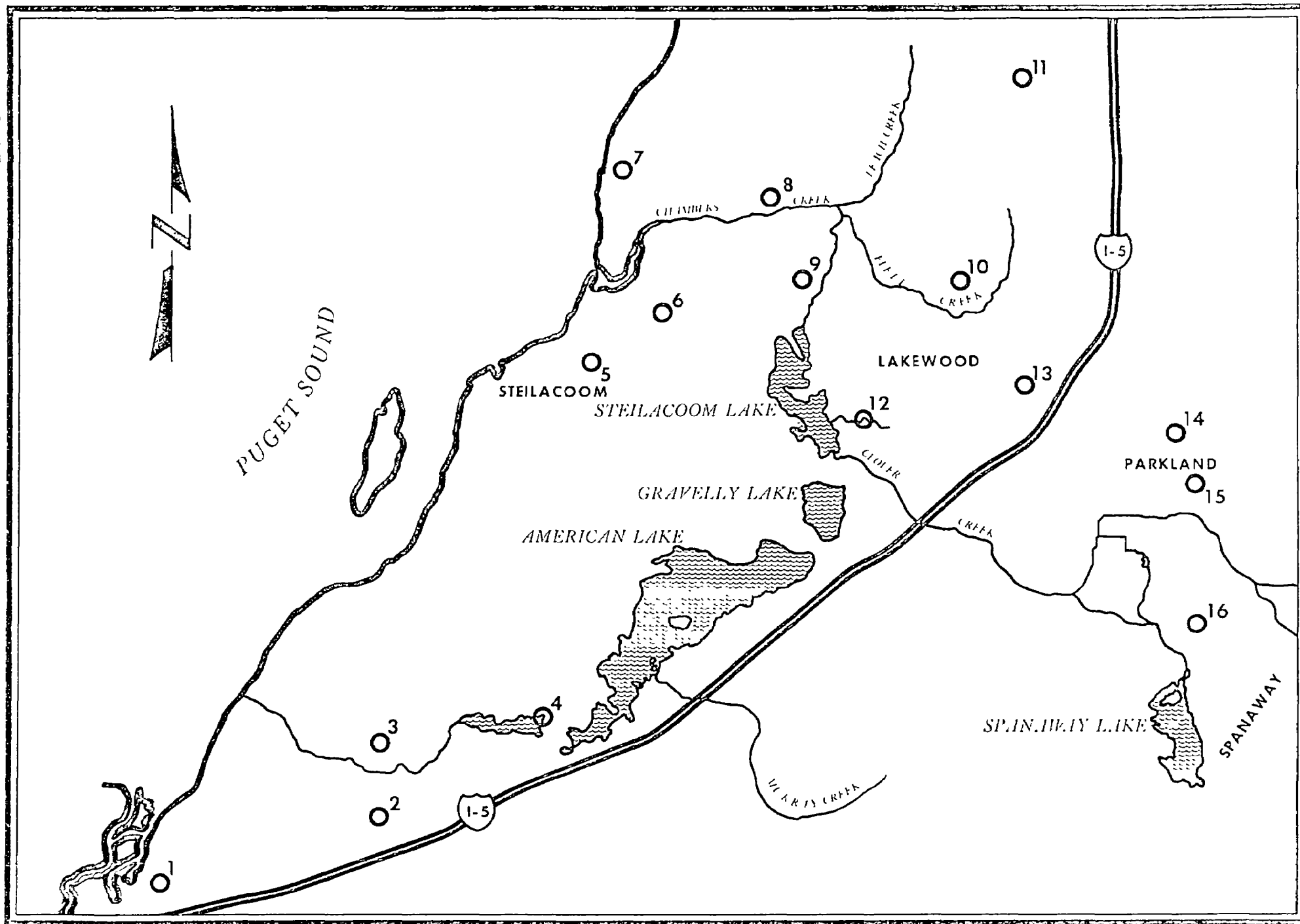
DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00410 T ALK CA(OH) MG/L	01000 ARSENIC AS, DISS UG/L	00440 HC(OH) 10M HC(OH) MG/L	01025 CADMIUM CD, DISS UG/L	00915 CALCIUM CA, DISS MG/L	00940 CHLORIDE CL MG/L	01030 CHROMIUM CR, DISS UG/L	00094 CONDUCTIV FIELD MICROMHO	01040 COPPER CU, DISS UG/L
74/08/23	14 30		2		2	61	1K	17.0	6	0	170	2
74/11/21	14 00		2	47	3	57	1	13.0	5	10K	146	3
75/02/13	15 30		2	38	2	46	1	12.0	5	0	137	2
75/05/29	14 45		2	45	0	55	1	13.0	4	10	130	3

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	38260 MBA5 MG/L	00950 FLUORIDE F, DISS MG/L	00902 NO. HARD CA(OH) MG/L	00900 TOT HARD CA(OH) MG/L	01046 IRON FE, DISS UG/L	01049 LEAD PB, DISS UG/L	00925 MAGNESIUM MG, DISS MG/L	01056 MANGNESE MN, DISS UG/L	71900 MERCURY HG, TOTAL UG/L
74/08/23	14 30		2	0.03	0.00	12	62	110	1	4.8	0.0	0.0
74/11/21	14 00		2	0.10	0.00	4	51	50	3	4.5	10.0K	0.1K
75/02/13	15 30		2	0.00	0.00	5	43	40	2	3.2	0.0	0.0
75/05/29	14 45		2	0.00	0.10	5	50	50	0	4.2	10.0	0.0

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	00400 PH SU	32730 PHENOLS TOTAL UG/L	00935 PTSSIUM K, DISS MG/L	70300 RESIDUE DISS-180 C MG/L	00931 SODIUM ADSORPTION RATIO	00930 SODIUM NA, DISS MG/L	00932 PERCENT SODIUM %	00945 SULFATE SO4-TOT MG/L	00010 WATER TEMP CENT
74/08/23	14 30		2	6.70	2	1.30	103	0.1	2.10	7	8	11.8
74/11/21	14 00		2	7.00	1	1.50	100	0.5	7.60	24	6	11.0
75/02/13	15 30		2	6.80	1	1.20	90	0.4	6.10	23	7	9.8
75/05/29	14 45		2	6.50	7	1.30	100	0.4	6.40	21	7	10.1

DATE FROM TO	TIME OF DAY	DEPTH FEET	00028 ANALYZE AGENCY CODE	01090 ZINC ZN, DISS UG/L	00620 NO3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00610 NH3-N TOTAL MG/L	00625 TOT KIEL N MG/L	00671 PHOS-DIS ORTHOP MG/L P	00665 PHOS-TOT MG/L P
74/08/23	14 30		2	20	3.400	0.001	0.010	0.110	0.020	0.025
74/11/21	14 00		2	10K	1.900	0.003	0.050	0.080	0.047	0.054
75/02/13	15 30		2	10	2.400	0.001	0.060	0.180	0.020	0.028
75/05/29	14 45		2	10	2.000	0.002	0.030	0.080	0.022	0.027

FIGURE 1



MAP OF THE SOUTH TACOMA - LAKEWOOD AREA
SHOWING GROUND WATER MONITORING STATIONS