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Hanford Site Water Table Map June 1987

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Table 1. Unconfined Aquifer Measurements for the Hanford Site, June 1987. (sheet 1 of 6)

Well #	Casing Elevation (ft Above MSL)	Depth to Water (ft)	Water-Level Elevation (ft Above MSL)
199-B04-01	461.80	62.34	399.46
199-D02-05	460.87	73.64	387.23
199-F05-01	406.56	34.58	371.98
199-H03-01	421.98	45.05	376.93
199-K00-11	467.65	73.21	394.44
299-E13-10	737.70	333.30	404.40
299-E13-12	733.49	327.68	405.81
299-E13-14	745.37	339.57	405.80
299-E17-05	718.65	314.24	404.41
299-E17-08	718.73	314.10	404.63
299-E19-01	736.00	329.35	406.65
299-E23-01	709.65	304.26	405.39
299-E23-02(0)	721.26	315.81	405.45
299-E24-02	717.19	312.28	404.91
299-E24-04	697.00	291.57	405.43
299-E25-04	659.39	252.85	406.54
299-E25-11	681.28	276.02	405.26
299-E25-19	677.20	271.95	405.25
299-E25-21	677.27	271.45	405.82
299-E25-25	669.42	262.88	406.54
299-E25-26	668.51	262.16	406.35
299-E25-27	676.13	270.23	405.90
299-E26-01	617.25	211.16	406.09
299-E26-04	645.82	240.05	405.77
299-E27-01	681.05	275.59	405.46
299-E28-07	685.91	281.27	404.64
299-E28-12	708.60	303.90	404.70
299-E28-17	708.56	302.65	405.91
299-E28-18	692.58	287.28	405.30
299-E32-01	656.17	250.03	406.14
299-E33-07	626.58	221.66	404.92
299-E33-08	651.03	245.73	405.30
299-E33-14	622.12	214.96	407.16
299-E33-17	631.65	226.39	405.26
299-E33-21	668.40	263.21	405.19
299-E34-01	629.42	223.96	405.46
299-W10-02	674.33	206.19	468.14
299-W10-05	672.31	203.48	468.83
299-W10-08	680.33	212.74	467.59
299-W11-07	709.11	242.81	466.30
299-W11-09	722.94	260.74	462.20
299-W11-10	728.89	269.42	459.47
299-W11-12	679.58	211.35	468.23
299-W11-13	692.27	223.42	468.85

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1.0 SUMMARY

The Hanford Site water table map (plate) is prepared by the Environmental Technology Section of the Defense Waste Management Division of Westinghouse Hanford Company (WHC). The first 21 revisions of this map were issued semiannually as Sheet H-2-38396. What would have been the 22nd revision of Sheet H-2-38396, the December 1986 map, was issued as RHO-RE-SR-86-65 Dec P. The current map depicts the water-table configuration in June 1987 and is issued as the WHC document WHC-EP-0054-1. These changes have been made to achieve compliance with company procedures.

The water table on the Hanford Site is monitored semiannually. Unconfined ground water elevation maps are prepared from water-level measurements made in June and December. Approximately 240 wells and piezometers are used in contouring the water table.

The water table mound beneath U Pond has declined about 1 ft since the December 1986 measurements were taken. Since the deactivation of U Pond in the fall of 1984, the water table mound has had an overall decline of approximately 7 ft. The water table mound surrounding B Pond has increased by approximately 1½ ft since the December 1986 measurements, corresponding to renewed activity at the Plutonium/Uranium Extraction facility (PUREX).

For clarity, only the well numbers are shown on this map. The water-table elevations measured in these wells are shown in table 1.

Well numbers of wells in the 100 Area have the prefix 199, wells in the 200 East and 200 West Areas have the prefix 299, and wells for the rest of the map have the prefix 699.

Pond elevation data are shown in table 2.

NOTE: To convert to metric, multiply elevation (ft) by 0.3048 to obtain elevation (m).

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Table 1. Unconfined Aquifer Measurements for the Hanford Site, June 1987. (sheet 3 of 6)

Well #	Casing Elevation (ft Above MSL)	Depth to Water (ft)	Water-Level Elevation (ft Above MSL)
699-14-E6T	458.38	94.16	364.22
699-14-38	514.89	111.19	403.70
699-14-47	587.23	175.81	411.42
699-15-15A	547.14	148.63	398.51
699-15-26	523.83	121.85	401.98
699-17-05	433.19	45.49	387.70
699-17-70	563.18	89.00	474.18
699-19-43	551.58	146.70	404.88
699-20-E12	437.25	79.69	357.56
699-20-20	505.58	103.38	402.20
699-20-39	539.98	135.44	404.54
699-24-01T	475.54	99.71	375.83
699-24-33	524.21	120.08	404.13
699-25-55	676.55	263.19	413.36
699-25-70	629.56	179.24	450.32
699-26-15	442.64	43.27	399.37
699-27-08	465.67	70.76	394.91
699-28-40	559.44	154.66	404.78
699-28-52A	684.67	278.49	406.18
699-29-78	647.05	180.63	466.42
699-31-31	529.32	125.15	404.17
699-32-22	517.55	115.56	401.99
699-32-43	516.62	111.59	405.03
699-32-62	707.09	277.32	429.77
699-32-70B	666.61	212.81	453.80
699-32-72	668.16	211.81	456.35
699-32-77	653.74	188.86	464.88
699-33-42	516.00	110.89	405.11
699-33-56	717.03	311.08	405.95
699-34-39A	537.07	132.17	404.90
699-34-41	570.89	165.52	405.37
699-34-42	540.20	135.08	405.12
699-34-51	736.76	331.30	405.46
699-35-09	499.83	113.65	386.18
699-35-66	725.65	284.88	440.77
699-35-70	693.72	239.89	453.83
699-35-78A	660.65	191.31	469.34
699-36-61A	748.11	338.90	409.21
699-36-93	644.77	171.16	473.61
699-37-43	690.17	284.59	405.58
699-37-82A	636.75	166.73	470.02
699-38-65	753.33	321.78	431.55
699-38-70	710.67	254.76	455.91
699-39-39	536.65	124.32	412.33
699-39-79	673.52	203.54	469.98

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Table 1. Unconfined Aquifer Measurements for the Hanford Site, June 1987. (sheet 2 of 6)

Well #	Casing Elevation (ft Above MSL)	Depth to Water (ft)	Water-Level Elevation (ft Above MSL)
299-W11-23	685.86	218.62	467.24
299-W12-01	726.46	272.50	453.96
299-W14-01	668.83	199.07	469.76
299-W15-02	693.51	224.59	468.92
299-W15-04	662.00	190.45	471.55
299-W15-05	670.95	197.27	473.68
299-W18-15	660.96	189.15	471.81
299-W19-01	674.04	199.85	474.19
299-W19-02	694.04	230.79	463.25
299-W19-03	695.12	226.57	468.55
299-W19-04	715.52	255.23	460.29
299-W19-09	693.77	225.35	468.42
299-W19-13	695.08	227.14	467.94
299-W19-14	693.21	225.15	468.06
299-W19-15	693.28	224.46	468.82
299-W19-19	694.90	232.32	462.58
299-W21-01	699.26	241.51	457.75
299-W22-07	687.41	224.63	462.78
299-W22-17	672.09	204.85	467.24
299-W22-22	690.38	227.78	462.60
299-W23-04	662.82	193.32	469.50
299-W23-11	664.14	195.68	468.46
399-08-01	394.87	52.09	342.78
699-S03-25	523.50	124.50	399.00
699-S03-E12	397.90	43.65	354.25
699-S06-E04D	430.47	58.66	371.81
699-S06-E14A	378.29	27.53	350.76
699-S07-34	527.12	120.73	406.39
699-S08-19	503.81	108.18	395.63
699-S12-03	435.52	55.91	379.61
699-S12-29	487.68	83.29	404.39
699-S14-20	492.74	92.19	400.55
699-S18-E02A	434.85	75.65	359.20
699-S19-E13	394.55	50.26	344.29
699-S29-E12	387.97	42.30	345.67
699-S30-E15A	400.39	59.14	341.25
699-S31-01	460.11	84.65	375.46
699-02-03	477.14	87.85	389.29
699-03-45	504.54	93.55	410.99
699-08-17	522.44	123.94	398.50
699-08-25	509.30	109.22	400.08
699-09-E02	418.09	46.23	371.86
699-10-E12	430.86	73.65	357.21
699-10-54	516.40	103.80	412.60
699-11-45A	578.58	167.47	411.11

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Table 1. Unconfined Aquifer Measurements for the Hanford Site, June 1987. (sheet 5 of 6)

Well #	Casing Elevation (ft Above MSL)	Depth to Water (ft)	Water-Level Elevation (ft Above MSL)
699-55-76	583.24	138.34	444.90
699-55-89	617.43	162.52	454.91
699-55-95	777.05	311.96	465.09
699-57-25A	414.57	50.26	364.31
699-57-29B	416.18	54.10	362.08
699-57-83	577.96	144.88	433.08
699-58-24	418.80	56.83	361.97
699-59-32	424.29	61.92	362.37
699-59-58	497.77	94.61	403.16
699-59-80B	583.25	156.59	426.66
699-60-32	425.30	63.12	362.18
699-60-60	512.03	108.22	403.81
699-61-37	442.94	60.63	382.31
699-61-41	428.92	32.40	396.52
699-61-62	497.51	93.79	403.72
699-61-66	522.18	119.45	402.73
699-62-31	434.12	71.99	362.13
699-62-43A	432.30	35.37	396.93
699-63-25A	395.15	33.25	361.90
699-63-51	424.54	23.64	400.90
699-63-58	491.90	89.57	402.33
699-63-90	509.73	109.69	400.04
699-64-27	414.29	52.25	362.04
699-64-62	500.25	98.25	402.00
699-65-23	387.92	24.99	362.93
699-65-50	467.06	66.13	400.93
699-65-59A	506.96	105.04	401.92
699-65-72	540.28	140.29	399.99
699-65-83	485.63	86.36	399.27
699-65-95	452.26	50.92	401.34
699-66-23	389.01	25.33	363.68
699-66-38	436.20	32.80	403.40
699-66-39	453.70	48.47	405.23
699-66-58	503.33	101.58	401.75
699-66-64	505.92	104.62	401.30
699-66-91	467.75	66.93	400.82
699-66-103	463.01	64.42	398.59
699-67-51	524.59	123.56	401.03
699-67-86	472.39	73.18	399.21
699-67-98	455.47	53.79	401.68
699-68-105	451.85	55.29	396.56
699-69-38	422.93	21.02	401.91
699-69-45(O)	487.18	86.72	400.46
699-70-23	391.71	27.55	364.16
699-70-68	526.21	125.94	400.27

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Table 1. Unconfined Aquifer Measurements for the Hanford Site, June 1987. (sheet 4 of 6)

Well #	Casing Elevation (ft Above MSL)	Depth to Water (ft)	Water-Level Elevation (ft Above MSL)
699-40-01	438.71	75.11	363.60
699-40-33A	518.05	107.23	410.82
699-40-62A	747.78	340.18	407.60
699-41-23	466.50	67.64	398.86
699-42-12A	514.27	138.12	376.15
699-42-40A	545.43	121.60	423.83
699-42-40B	546.46	122.95	423.51
699-43-42	564.48	143.58	420.90
699-43-89	644.15	176.19	467.96
699-43-104	766.07	263.05	503.02
699-44-64	725.60	317.46	408.14
699-45-42	577.33	158.42	418.91
699-45-69	725.46	275.28	450.18
699-46-21	522.02	130.63	391.39
699-47-35B	476.65	63.68	412.97
699-47-46	580.14	174.96	405.18
699-47-60	649.84	245.19	404.65
699-48-07	384.72	28.40	356.32
699-48-71	688.15	240.43	447.72
699-49-13F	412.72	51.10	361.62
699-49-28	535.40	141.58	393.82
699-49-55A	530.14	125.23	404.91
699-49-57	552.81	148.00	404.81
699-49-79	688.59	230.50	458.09
699-50-28B	537.30	143.83	393.47
699-50-30	528.84	135.25	393.59
699-50-42	466.84	55.62	411.22
699-50-53	556.30	151.62	404.68
699-50-85	739.35	282.39	456.96
699-51-63	571.84	165.26	406.58
699-51-75	641.51	190.52	450.99
699-52-19	411.08	49.21	361.87
699-53-35	530.99	134.35	396.64
699-53-47A	438.28	30.66	407.62
699-53-47B	438.58	30.92	407.66
699-53-48A	442.85	36.56	406.29
699-53-48B	442.71	38.01	404.70
699-53-55B	576.16	172.38	403.78
699-53-55C	576.08	172.06	404.02
699-54-19	383.60	21.64	361.96
699-54-48	457.02	52.95	404.07
699-55-21	395.96	35.26	360.70
699-55-40	543.13	133.58	409.55
699-55-50C	444.43	40.38	404.05
699-55-70	569.03	136.36	432.67

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Table 2. Pond Elevations for the Hanford Site, June 1987.

Pond Name	Pond Elevation	
	Date Measured	ft above MSL
B Pond (First Lobe)	June 1987	558.22
Gable Mountain Pond	June 1987	431.91
West Lake	June 1987	402.97

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Table 1. Unconfined Aquifer Measurements for the Hanford Site, June 1987. (sheet 6 of 6)

Well #	Casing Elevation (ft Above MSL)	Depth to Water (ft)	Water-Level Elevation (ft Above MSL)
699-71-30	400.68	29.72	370.96
699-71-52	523.04	122.62	400.42
699-71-77	472.28	74.58	397.70
699-72-73	482.57	84.06	398.51
699-72-88	437.37	35.60	401.77
699-72-92	452.22	51.01	401.21
699-74-44	445.18	48.13	397.05
699-74-48	487.18	88.50	398.68
699-77-36	412.28	35.54	376.74
699-77-54	480.59	81.84	398.75
699-78-62	469.88	72.98	396.90
699-81-38	406.47	26.84	379.63
699-82-45A	413.73	24.47	389.26
699-83-47	435.27	45.64	389.63
699-86-42	409.92	24.87	385.05
699-87-55	458.63	69.27	389.36
699-89-35	397.46	25.73	371.73
699-90-45	422.15	37.17	384.98
699-91-37	422.93	48.52	374.41
699-92-49	432.00	48.66	383.34
699-97-43	421.81	42.63	379.18

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