



Water-Data Report 2006

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)

Piedmont and Blue Ridge crystalline-rock aquifers
Quaternary Saprolite
Wake County, NC

LOCATION.--Lat 35°43'15", long 78°30'02" referenced to North American Datum of 1983, Wake County, NC, Hydrologic Unit 03020201, 9.3 mi east south east of Raleigh. Owner: DENR (North Carolina Department of Environment and Natural Resources), Division of Water Quality.

GROUND-WATER RECORDS

WELL CHARACTERISTICS.--Drilled observation well, depth 28.6 ft, diameter 4 in., cased to 13.6 ft, screened interval from 13.6 to 28.6 ft, sand filter packed from 7 to 28.6 ft.

DATUM.--Land-surface datum is 170.57 ft above NGVD of 1929. Measuring point: Top of PVC casing, 2.69 ft above land-surface datum.

PERIOD OF RECORD.--May 2005 to current year. Continuous record began December 2005.

GAGE.--Water-level recorder collecting data at 60-minute intervals. Satellite telemetry at station.

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.60 ft below land-surface datum, May 9, 2005; lowest water level measured, 18.83 ft below land-surface datum, Dec. 1, 2005.

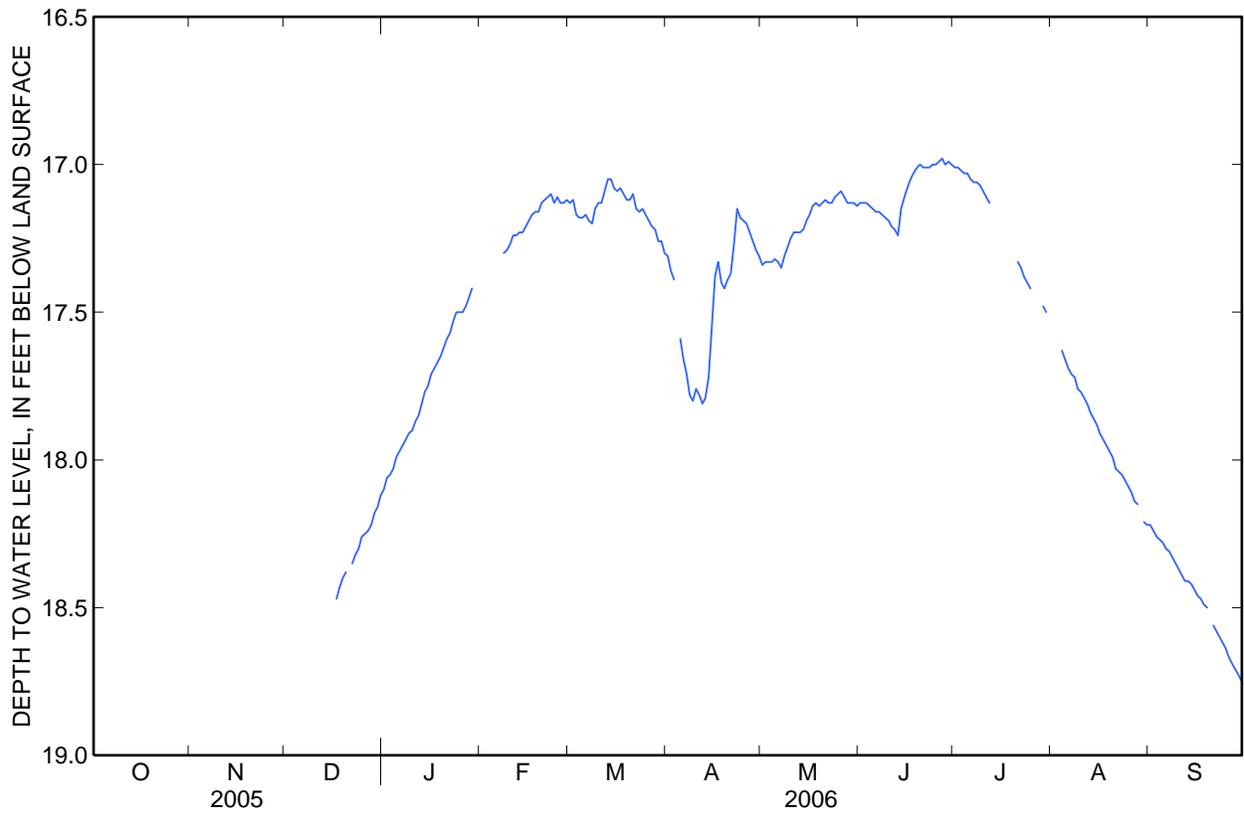
354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	18.10	---	17.13	17.31	17.34	17.13	17.01	---	18.22
2	---	---	---	18.06	---	17.12	17.36	17.33	17.13	17.01	---	18.24
3	---	---	---	18.05	---	17.17	17.39	17.33	17.13	17.02	---	18.26
4	---	---	---	18.03	---	17.18	---	17.33	17.14	17.03	17.63	18.27
5	---	---	---	17.99	---	17.18	17.59	17.32	17.15	17.03	17.66	18.28
6	---	---	---	17.97	---	17.17	17.66	17.33	17.16	17.05	17.69	18.30
7	---	---	---	17.95	---	17.19	17.71	17.35	17.16	17.06	17.71	18.31
8	---	---	---	17.93	17.30	17.20	17.78	17.31	17.17	17.06	17.72	18.33
9	---	---	---	17.91	17.29	17.15	17.80	17.28	17.18	17.07	17.76	18.35
10	---	---	---	17.90	17.27	17.13	17.76	17.25	17.19	17.09	17.77	18.37
11	---	---	---	17.87	17.24	17.13	17.78	17.23	17.21	17.11	17.79	18.39
12	---	---	---	17.85	17.24	17.09	17.81	17.23	17.22	17.13	17.81	18.41
13	---	---	---	17.81	17.23	17.05	17.79	17.23	17.24	---	17.84	18.41
14	---	---	---	17.77	17.23	17.05	17.72	17.22	17.15	---	17.86	18.42
15	---	---	---	17.75	17.21	17.08	17.55	17.19	17.11	---	17.88	18.44
16	---	---	---	17.71	17.19	17.09	17.38	17.17	17.08	---	17.91	18.46
17	---	---	18.47	17.69	17.17	17.08	17.33	17.14	17.05	---	17.93	18.47
18	---	---	18.43	17.67	17.16	17.10	17.40	17.13	17.03	---	17.95	18.49
19	---	---	18.40	17.65	17.16	17.12	17.42	17.14	17.01	---	17.97	18.50
20	---	---	18.38	17.62	17.13	17.12	17.39	17.13	17.00	---	17.99	---
21	---	---	---	17.59	17.12	17.10	17.37	17.12	17.01	17.33	18.03	18.56
22	---	---	18.35	17.57	17.11	17.15	17.27	17.13	17.01	17.35	18.04	18.58
23	---	---	18.32	17.53	17.10	17.16	17.15	17.13	17.01	17.38	18.05	18.60
24	---	---	18.30	17.50	17.13	17.15	17.18	17.11	17.00	17.40	18.07	18.62
25	---	---	18.26	17.50	17.11	17.17	17.19	17.10	17.00	17.42	18.09	18.64
26	---	---	18.25	17.50	17.13	17.19	17.20	17.09	16.99	---	18.11	18.67
27	---	---	18.24	17.48	17.13	17.21	17.23	17.11	16.98	---	18.14	18.69
28	---	---	18.22	17.45	17.12	17.22	17.26	17.13	17.00	---	18.15	18.71
29	---	---	18.18	17.42	---	17.26	17.29	17.13	16.99	17.48	---	18.73
30	---	---	18.16	---	---	17.26	17.31	17.13	17.00	17.50	18.21	18.75
31	---	---	18.12	---	---	17.30	---	17.14	---	---	18.22	---
Mean	---	---	18.29	17.75	17.18	17.15	17.46	17.20	17.09	17.19	17.93	18.46
Max	---	---	18.47	18.10	17.30	17.30	17.81	17.35	17.24	17.50	18.22	18.75
Min	---	---	18.12	17.42	17.10	17.05	17.15	17.09	16.98	17.01	17.63	18.22

Water Year 2006	
Mean	17.54
High	16.98
Low	18.75

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued



354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--October 2005 to January 2007 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 2005 to January 2007.

pH: December 2005 to January 2007.

WATER TEMPERATURE: December 2005 to January 2007.

DISSOLVED OXYGEN: January 2006 to April 2006.

INSTRUMENTATION.--Water-quality monitor with satellite telemetry December 2005 to January 2007. Electronic data logger with 60-minute recording interval.

REMARKS.--Well is part of Piedmont/Mountains ground-water study.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 1130 microsiemens, December 16, 17, 2005; minimum recorded, 777 microsiemens, April 25, 2006.

pH: Maximum recorded, 5.3 standard units, on several days during the period; minimum recorded, 4.3 standard units, on several days during the period.

WATER TEMPERATURE: Maximum recorded, 17.2°C, January 29, 30, 2006; minimum recorded, 15.8°C, on many days during the period.

DISSOLVED OXYGEN: Maximum recorded, 7.8 mg/L, April 4, 10, 2006; minimum recorded, 6.2 mg/L, January 23, February 15, 2006.

DISSOLVED OXYGEN, PERCENT SATURATION: Maximum recorded, 80%, April 4, 10, 2006; minimum recorded, 64%, January 23, February 15, 2006.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 4

[Remark codes: <, less than.]

Date	Time	Depth of well, feet below LSD (72008)	Altitude of land surface feet (72000)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)
Oct													
05...	1045	28.6	170.57	6.1	62	5.1	1,070	16.6	78.0	42.8	10.6	29.2	8
Dec													
21...	1615	28.6	170.57	6.6	68	5.1	1,090	16.1	80.1	47.0	12.1	32.2	10
Apr													
04...	1200	28.6	170.57	5.2	54	4.3	980	16.0	80.0	44.9	11.7	28.1	6

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 4

[Remark codes: <, less than.]

Date	Bicar- bonate, wat unf incrm. titr., field, mg/L (00450)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Total nitro- gen, wat flt by anal ysis, mg/L (62854)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alum- inum, water, fltrd, ug/L (01106)
Oct 05...	10	--	30.6	.13	28.4	5.41	795	<.04	113	.013	110	<.006	--
Dec 21...	13	.17	30.6	.16	27.1	4.93	716	<.04	113	<.008	115	<.006	498
Apr 04...	8	.15	29.9	.11	27.0	3.31	706	<.04	98.0	<.008	128	<.012	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 4

[Remark codes: <, less than.]

Date	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)
Oct 05...	--	--	--	--	--	--	--	--	--	6	--	407	--
Dec 21...	<.20	.53	1,720	14.2	8.7	.64	.36	75.3	3.4	<6	1.36	436	.8
Apr 04...	--	.64	--	--	8.0	--	--	--	--	14	--	358	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 4

[Remark codes: <, less than.]

Date	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Tritium 2-sigma water unfltrd pCi/L (75985)	Tritium water unfltrd pCi/L (07000)	Uranium natural water, fltrd, ug/L (22703)
Oct 05...	--	--	--	--	--	--	--
Dec 21...	89.7	.30	<.2	125	--	--	3.31
Apr 04...	--	--	--	--	1.9	15	--

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	1,040	1,040	1,040
2	---	---	---	---	---	---	---	---	---	1,040	1,030	1,030
3	---	---	---	---	---	---	---	---	---	1,030	1,020	1,030
4	---	---	---	---	---	---	---	---	---	1,020	1,010	1,020
5	---	---	---	---	---	---	---	---	---	1,010	1,010	1,010
6	---	---	---	---	---	---	---	---	---	1,010	997	1,000
7	---	---	---	---	---	---	---	---	---	998	991	994
8	---	---	---	---	---	---	---	---	---	992	986	989
9	---	---	---	---	---	---	---	---	---	986	981	984
10	---	---	---	---	---	---	---	---	---	981	977	979
11	---	---	---	---	---	---	---	---	---	977	973	975
12	---	---	---	---	---	---	---	---	---	973	969	971
13	---	---	---	---	---	---	---	---	---	970	967	968
14	---	---	---	---	---	---	---	---	---	967	965	966
15	---	---	---	---	---	---	---	---	---	966	963	965
16	---	---	---	---	---	---	---	---	---	964	961	963
17	---	---	---	---	---	---	1,130	1,120	1,120	961	957	959
18	---	---	---	---	---	---	1,120	1,120	1,120	957	949	954
19	---	---	---	---	---	---	1,120	1,110	1,110	---	---	---
20	---	---	---	---	---	---	1,110	1,110	1,110	---	---	---
21	---	---	---	---	---	---	---	---	---	951	940	946
22	---	---	---	---	---	---	1,090	1,080	1,090	955	950	952
23	---	---	---	---	---	---	1,090	1,090	1,090	956	952	954
24	---	---	---	---	---	---	1,090	1,090	1,090	952	949	950
25	---	---	---	---	---	---	1,090	1,080	1,080	949	945	947
26	---	---	---	---	---	---	1,080	1,070	1,080	946	940	943
27	---	---	---	---	---	---	1,070	1,060	1,070	940	938	939
28	---	---	---	---	---	---	1,060	1,060	1,060	939	938	938
29	---	---	---	---	---	---	1,060	1,050	1,050	940	939	939
30	---	---	---	---	---	---	1,050	1,050	1,050	---	---	---
31	---	---	---	---	---	---	1,050	1,040	1,040	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	907	898	905	909	885	900	859	840	849
2	---	---	---	907	898	903	914	904	909	877	847	861
3	---	---	---	900	893	897	971	912	940	871	840	855
4	---	---	---	902	891	897	---	---	---	898	854	878
5	---	---	---	902	893	898	1,070	1,050	1,060	887	854	871
6	---	---	---	905	900	902	1,070	961	1,030	939	887	906
7	---	---	---	903	899	901	985	930	955	949	889	907
8	899	882	892	906	866	898	948	912	936	960	905	938
9	891	862	873	868	861	865	927	897	914	924	906	915
10	898	864	879	870	864	867	916	890	902	957	904	922
11	905	880	896	873	867	870	935	905	918	923	911	918
12	899	881	893	877	870	874	934	916	926	924	892	900
13	893	871	887	885	874	879	935	900	928	911	893	908
14	895	873	886	882	874	878	936	909	927	906	889	898
15	891	877	884	879	871	875	935	909	924	946	897	917
16	893	881	887	884	874	879	931	890	917	908	895	901
17	884	875	880	884	879	882	927	891	918	911	885	897
18	886	874	882	881	876	879	923	865	904	905	888	899
19	886	877	882	879	875	877	923	868	901	907	878	889
20	891	879	884	877	873	875	884	857	868	898	889	895
21	890	882	886	879	875	877	881	844	864	899	875	883
22	890	883	886	877	871	874	888	821	837	894	868	888
23	887	858	879	873	869	872	839	826	832	887	868	877
24	897	875	888	874	869	872	846	828	839	892	866	883
25	908	894	902	875	870	873	842	777	826	885	866	876
26	908	902	904	877	872	874	869	820	840	885	851	857
27	908	902	905	879	873	876	869	826	850	878	869	874
28	910	904	907	880	863	874	869	838	850	883	878	881
29	---	---	---	863	853	856	852	835	842	886	877	882
30	---	---	---	---	---	---	854	835	841	889	861	874
31	---	---	---	906	831	867	---	---	---	885	863	876
Month	---	---	---	---	---	---	---	---	---	960	840	890

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SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	889	862	873	864	862	863	---	---	---	1,050	1,040	1,040
2	885	864	875	867	862	864	---	---	---	1,040	1,030	1,030
3	888	861	872	868	865	866	---	---	---	1,030	1,020	1,030
4	871	863	868	869	866	868	987	984	986	1,030	1,020	1,030
5	871	861	866	872	869	870	994	987	991	1,030	1,030	1,030
6	884	864	874	873	870	872	999	994	997	1,030	1,030	1,030
7	882	852	857	874	868	872	1,010	999	1,000	1,030	1,020	1,030
8	868	860	865	872	868	870	1,010	1,010	1,010	1,020	1,020	1,020
9	868	860	864	875	870	872	1,020	1,010	1,010	1,020	1,020	1,020
10	870	862	866	878	875	876	1,020	1,020	1,020	1,020	1,020	1,020
11	870	863	868	881	876	880	1,030	1,020	1,020	1,030	1,020	1,020
12	871	863	868	884	881	883	1,030	1,030	1,030	1,030	1,030	1,030
13	871	856	867	---	---	---	1,030	1,030	1,030	1,040	1,030	1,030
14	891	856	871	---	---	---	1,030	1,030	1,030	1,030	1,030	1,030
15	946	891	927	---	---	---	1,040	1,030	1,040	1,030	1,020	1,030
16	946	853	866	---	---	---	1,040	1,040	1,040	1,020	1,020	1,020
17	857	853	855	---	---	---	1,050	1,040	1,050	1,020	1,020	1,020
18	863	857	860	---	---	---	1,050	1,050	1,050	1,030	1,020	1,020
19	---	---	---	---	---	---	1,050	1,050	1,050	1,030	1,030	1,030
20	---	---	---	---	---	---	1,060	1,050	1,060	---	---	---
21	870	866	868	913	906	910	1,060	1,060	1,060	1,040	1,030	1,040
22	876	870	873	918	913	916	1,060	1,060	1,060	1,040	1,040	1,040
23	877	872	875	922	918	920	1,070	1,060	1,060	1,050	1,040	1,040
24	881	862	873	923	919	921	1,070	1,060	1,060	1,050	1,050	1,050
25	871	864	867	925	919	922	1,060	1,050	1,050	1,050	1,050	1,050
26	871	869	870	---	---	---	1,050	1,050	1,050	1,050	1,050	1,050
27	872	869	870	---	---	---	1,050	1,050	1,050	1,050	1,050	1,050
28	876	861	869	---	---	---	---	---	---	1,050	1,040	1,050
29	865	860	863	---	---	---	---	---	---	1,040	1,030	1,040
30	864	860	862	963	955	960	---	---	---	1,040	1,030	1,030
31	---	---	---	---	---	---	1,060	1,050	1,060	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

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SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	1,040	1,040	1,040	1,040	1,040	1,040	965	954	958	899	892	895
2	1,040	1,030	1,040	1,040	1,040	1,040	960	954	956	892	883	887
3	1,040	1,040	1,040	1,040	1,040	1,040	962	958	961	886	883	885
4	1,040	1,040	1,040	1,040	1,040	1,040	962	958	960	886	882	884
5	1,040	1,040	1,040	1,040	1,040	1,040	960	955	958	884	878	881
6	1,050	1,040	1,050	1,040	1,040	1,040	955	952	954	896	880	887
7	1,050	1,050	1,050	1,040	1,040	1,040	953	949	951	900	896	898
8	1,050	1,050	1,050	1,040	1,040	1,040	950	944	946	900	898	899
9	1,050	1,040	1,050	1,040	1,040	1,040	944	942	943	901	897	899
10	1,040	1,040	1,040	1,040	1,040	1,040	943	941	942	---	---	---
11	---	---	---	1,040	1,040	1,040	942	940	941	---	---	---
12	---	---	---	1,040	1,040	1,040	940	938	939	---	---	---
13	1,040	1,040	1,040	1,040	1,040	1,040	940	938	939	---	---	---
14	1,040	1,040	1,040	1,040	1,030	1,030	940	936	938	---	---	---
15	1,040	1,040	1,040	1,030	1,030	1,030	937	934	936	---	---	---
16	1,040	1,040	1,040	1,040	1,030	1,030	934	929	931	---	---	---
17	1,040	1,040	1,040	---	---	---	930	926	928	---	---	---
18	1,040	1,040	1,040	1,030	1,030	1,030	928	924	925	---	---	---
19	1,040	1,040	1,040	1,030	1,030	1,030	925	922	923	---	---	---
20	1,040	1,040	1,040	1,030	1,020	1,020	922	919	920	---	---	---
21	1,040	1,040	1,040	1,020	1,020	1,020	920	917	918	---	---	---
22	1,040	1,040	1,040	1,030	1,020	1,020	919	918	918	---	---	---
23	1,040	1,040	1,040	1,020	1,020	1,020	919	915	917	---	---	---
24	1,040	1,040	1,040	1,030	1,020	1,020	915	911	913	---	---	---
25	1,040	1,040	1,040	1,030	1,020	1,020	926	910	916	---	---	---
26	1,040	1,040	1,040	1,020	1,020	1,020	941	926	935	---	---	---
27	1,040	1,040	1,040	1,020	1,000	1,010	941	936	939	---	---	---
28	1,040	1,040	1,040	1,010	996	999	936	924	930	---	---	---
29	1,040	1,040	1,040	---	---	---	924	915	919	---	---	---
30	1,040	1,040	1,040	986	965	978	915	908	911	---	---	---
31	1,040	1,040	1,040	---	---	---	908	899	903	---	---	---
Month	---	---	---	---	---	---	965	899	934	---	---	---

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	5.2	5.2	5.2
2	---	---	---	---	---	---	---	---	---	5.2	5.2	5.2
3	---	---	---	---	---	---	---	---	---	5.2	5.1	5.1
4	---	---	---	---	---	---	---	---	---	5.1	5.0	5.0
5	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0
6	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0
7	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0
8	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0
9	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0
10	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0
11	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0
12	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0
13	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0
14	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0
15	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0
16	---	---	---	---	---	---	---	---	---	5.0	5.0	5.0
17	---	---	---	---	---	---	5.2	5.2	5.2	5.0	5.0	5.0
18	---	---	---	---	---	---	5.2	5.2	5.2	5.0	5.0	5.0
19	---	---	---	---	---	---	5.2	5.2	5.2	5.0	4.9	5.0
20	---	---	---	---	---	---	5.2	5.2	5.2	4.9	4.8	4.9
21	---	---	---	---	---	---	---	---	---	4.8	4.8	4.8
22	---	---	---	---	---	---	5.3	5.3	5.3	4.8	4.7	4.8
23	---	---	---	---	---	---	5.3	5.3	5.3	4.8	4.8	4.8
24	---	---	---	---	---	---	5.3	5.3	5.3	4.8	4.8	4.8
25	---	---	---	---	---	---	5.3	5.3	5.3	4.8	4.8	4.8
26	---	---	---	---	---	---	5.3	5.2	5.3	4.8	4.8	4.8
27	---	---	---	---	---	---	5.2	5.2	5.2	4.8	4.8	4.8
28	---	---	---	---	---	---	5.2	5.2	5.2	4.9	4.8	4.9
29	---	---	---	---	---	---	5.2	5.2	5.2	4.9	4.9	4.9
30	---	---	---	---	---	---	5.2	5.2	5.2	---	---	---
31	---	---	---	---	---	---	5.2	5.2	5.2	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	February			March			April			May		
1	---	---	---	4.6	4.6	4.6	4.4	4.4	4.4	4.8	4.7	4.8
2	---	---	---	4.7	4.6	4.6	4.5	4.4	4.4	4.8	4.7	4.8
3	---	---	---	4.7	4.6	4.6	4.7	4.5	4.6	4.9	4.8	4.8
4	---	---	---	4.7	4.6	4.7	---	---	---	5.0	4.8	4.9
5	---	---	---	4.7	4.7	4.7	4.9	4.8	4.8	4.9	4.8	4.8
6	---	---	---	4.7	4.6	4.6	4.9	4.6	4.8	5.1	4.9	5.0
7	---	---	---	4.6	4.6	4.6	4.6	4.5	4.5	5.1	4.8	4.9
8	4.7	4.7	4.7	4.6	4.5	4.6	4.5	4.5	4.5	5.2	4.9	5.1
9	4.7	4.7	4.7	4.5	4.4	4.4	4.6	4.5	4.5	5.0	4.9	5.0
10	4.7	4.7	4.7	4.4	4.4	4.4	4.5	4.5	4.5	5.2	4.9	5.0
11	4.7	4.7	4.7	4.4	4.4	4.4	4.6	4.5	4.6	5.1	5.0	5.0
12	4.7	4.7	4.7	4.4	4.4	4.4	4.6	4.6	4.6	5.1	4.9	5.0
13	4.8	4.7	4.7	4.5	4.4	4.4	4.6	4.6	4.6	5.1	5.0	5.1
14	4.7	4.7	4.7	4.4	4.4	4.4	4.6	4.6	4.6	5.1	5.0	5.0
15	4.8	4.7	4.7	4.4	4.4	4.4	4.8	4.6	4.6	5.2	5.0	5.1
16	4.8	4.6	4.8	4.5	4.4	4.5	4.8	4.7	4.8	5.0	4.9	5.0
17	4.6	4.6	4.6	4.5	4.5	4.5	4.8	4.7	4.8	5.0	4.8	5.0
18	4.6	4.6	4.6	4.5	4.5	4.5	4.8	4.7	4.8	5.0	4.9	5.0
19	4.6	4.6	4.6	4.5	4.5	4.5	4.8	4.6	4.8	5.0	4.8	4.9
20	4.6	4.6	4.6	4.5	4.5	4.5	4.6	4.6	4.6	5.0	4.9	5.0
21	4.6	4.6	4.6	4.5	4.5	4.5	4.6	4.6	4.6	5.0	4.9	4.9
22	4.6	4.6	4.6	4.5	4.5	4.5	4.8	4.6	4.7	5.0	4.9	5.0
23	4.6	4.6	4.6	4.5	4.5	4.5	4.7	4.6	4.6	5.0	4.8	4.9
24	4.6	4.6	4.6	4.5	4.4	4.5	4.7	4.6	4.7	5.0	4.8	5.0
25	4.6	4.6	4.6	4.4	4.4	4.4	4.7	4.6	4.7	5.0	4.8	4.9
26	4.6	4.6	4.6	4.4	4.4	4.4	4.7	4.6	4.7	5.0	4.7	4.8
27	4.6	4.6	4.6	4.4	4.4	4.4	4.7	4.6	4.6	4.9	4.8	4.8
28	4.6	4.6	4.6	4.4	4.4	4.4	4.8	4.7	4.7	4.9	4.9	4.9
29	---	---	---	4.5	4.3	4.3	4.8	4.7	4.7	4.9	4.8	4.9
30	---	---	---	---	---	---	4.8	4.8	4.8	4.9	4.7	4.9
31	---	---	---	4.4	4.4	4.4	---	---	---	4.9	4.8	4.8
Max	---	---	---	---	---	---	---	---	---	5.2	5.0	5.1
Min	---	---	---	---	---	---	---	---	---	4.8	4.7	4.8

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	June			July			August			September		
1	4.9	4.7	4.8	4.4	4.4	4.4	---	---	---	4.5	4.4	4.4
2	4.9	4.8	4.8	4.4	4.4	4.4	---	---	---	4.4	4.4	4.4
3	4.9	4.7	4.8	4.4	4.4	4.4	---	---	---	4.5	4.4	4.4
4	4.8	4.7	4.8	4.4	4.4	4.4	4.5	4.4	4.4	4.5	4.4	4.4
5	4.7	4.6	4.7	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5
6	4.8	4.7	4.7	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.5	4.5
7	4.8	4.6	4.6	4.4	4.3	4.4	4.5	4.4	4.4	4.5	4.5	4.5
8	4.7	4.7	4.7	4.4	4.3	4.3	4.5	4.4	4.5	4.5	4.4	4.4
9	4.7	4.6	4.6	4.5	4.4	4.5	4.5	4.5	4.5	4.4	4.4	4.4
10	4.7	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4
11	4.6	4.6	4.6	4.5	4.5	4.5	4.6	4.5	4.6	4.5	4.4	4.4
12	4.6	4.6	4.6	4.5	4.5	4.5	4.6	4.5	4.5	4.5	4.4	4.5
13	4.6	4.6	4.6	---	---	---	4.6	4.5	4.6	4.6	4.5	4.5
14	4.6	4.4	4.5	---	---	---	4.6	4.6	4.6	4.5	4.5	4.5
15	4.7	4.5	4.7	---	---	---	4.6	4.6	4.6	4.5	4.4	4.5
16	4.7	4.3	4.3	---	---	---	4.6	4.5	4.6	4.5	4.4	4.5
17	4.3	4.3	4.3	---	---	---	4.6	4.6	4.6	4.4	4.4	4.4
18	4.3	4.3	4.3	---	---	---	4.6	4.6	4.6	4.5	4.4	4.5
19	---	---	---	---	---	---	4.6	4.6	4.6	4.5	4.5	4.5
20	4.5	4.4	4.5	---	---	---	4.6	4.6	4.6	---	---	---
21	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7
22	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7
23	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.6	4.6	4.8	4.7	4.8
24	4.5	4.5	4.5	4.5	4.5	4.5	4.6	4.4	4.6	4.8	4.8	4.8
25	4.5	4.4	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.8	4.8	4.8
26	4.5	4.4	4.4	---	---	---	4.4	4.4	4.4	4.8	4.8	4.8
27	4.5	4.4	4.4	---	---	---	4.5	4.4	4.4	4.8	4.8	4.8
28	4.5	4.4	4.5	---	---	---	---	---	---	4.8	4.6	4.8
29	4.5	4.4	4.4	4.6	4.5	4.5	---	---	---	4.6	4.5	4.5
30	4.5	4.4	4.4	4.5	4.5	4.5	4.5	4.4	4.5	4.5	4.5	4.5
31	---	---	---	---	---	---	4.5	4.5	4.5	---	---	---
Max	---	---	---	---	---	---	---	---	---	---	---	---
Min	---	---	---	---	---	---	---	---	---	---	---	---

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Median	Max	Min	Median	Max	Min	Median	Max	Min	Median
	October			November			December			January		
1	4.5	4.5	4.5	4.7	4.7	4.7	4.5	4.5	4.5	4.8	4.8	4.8
2	4.5	4.5	4.5	4.7	4.7	4.7	4.5	4.5	4.5	4.8	4.8	4.8
3	4.5	4.5	4.5	4.7	4.6	4.7	4.6	4.5	4.6	4.8	4.8	4.8
4	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.6	4.6	4.8	4.8	4.8
5	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.6	4.7	4.8	4.8	4.8
6	4.6	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.8	4.8	4.8
7	4.6	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.8	4.8	4.8
8	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.8	4.8	4.8
9	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.8	4.8	4.8
10	4.6	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	---	---	---
11	4.6	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6	---	---	---
12	4.7	4.6	4.7	4.6	4.5	4.6	4.6	4.6	4.6	---	---	---
13	4.7	4.7	4.7	4.5	4.5	4.5	4.6	4.6	4.6	---	---	---
14	4.7	4.7	4.7	4.5	4.5	4.5	4.6	4.6	4.6	---	---	---
15	4.8	4.7	4.7	4.5	4.5	4.5	4.6	4.5	4.6	---	---	---
16	4.8	4.6	4.6	4.5	4.5	4.5	4.6	4.5	4.6	---	---	---
17	4.6	4.6	4.6	4.5	4.4	4.5	4.6	4.5	4.6	---	---	---
18	4.7	4.6	4.7	4.5	4.5	4.5	4.7	4.6	4.6	---	---	---
19	4.7	4.7	4.7	4.5	4.4	4.4	4.7	4.7	4.7	---	---	---
20	4.7	4.7	4.7	4.4	4.4	4.4	4.8	4.7	4.7	---	---	---
21	4.7	4.7	4.7	4.5	4.4	4.5	4.8	4.7	4.8	---	---	---
22	4.7	4.7	4.7	4.5	4.5	4.5	4.8	4.8	4.8	---	---	---
23	4.7	4.7	4.7	4.5	4.5	4.5	4.8	4.8	4.8	---	---	---
24	4.7	4.7	4.7	4.6	4.5	4.5	4.8	4.8	4.8	---	---	---
25	4.7	4.6	4.6	4.6	4.5	4.6	4.8	4.8	4.8	---	---	---
26	4.6	4.6	4.6	4.6	4.5	4.6	4.9	4.8	4.9	---	---	---
27	4.6	4.6	4.6	4.6	4.5	4.5	4.9	4.9	4.9	---	---	---
28	4.6	4.6	4.6	4.5	4.5	4.5	4.9	4.8	4.8	---	---	---
29	4.6	4.6	4.6	---	---	---	4.8	4.8	4.8	---	---	---
30	4.7	4.6	4.6	4.5	4.5	4.5	4.8	4.8	4.8	---	---	---
31	4.7	4.7	4.7	---	---	---	4.8	4.8	4.8	---	---	---
Max	4.8	4.7	4.7	---	---	---	4.9	4.9	4.9	---	---	---
Min	4.5	4.5	4.5	---	---	---	4.5	4.5	4.5	---	---	---

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	16.6	16.6	16.6
2	---	---	---	---	---	---	---	---	---	16.6	16.6	16.6
3	---	---	---	---	---	---	---	---	---	16.7	16.6	16.7
4	---	---	---	---	---	---	---	---	---	16.7	16.7	16.7
5	---	---	---	---	---	---	---	---	---	16.8	16.7	16.7
6	---	---	---	---	---	---	---	---	---	16.7	16.7	16.7
7	---	---	---	---	---	---	---	---	---	16.7	16.7	16.7
8	---	---	---	---	---	---	---	---	---	16.8	16.7	16.7
9	---	---	---	---	---	---	---	---	---	16.8	16.7	16.7
10	---	---	---	---	---	---	---	---	---	16.7	16.7	16.7
11	---	---	---	---	---	---	---	---	---	16.7	16.7	16.7
12	---	---	---	---	---	---	---	---	---	16.7	16.7	16.7
13	---	---	---	---	---	---	---	---	---	16.7	16.7	16.7
14	---	---	---	---	---	---	---	---	---	16.8	16.7	16.7
15	---	---	---	---	---	---	---	---	---	16.8	16.8	16.8
16	---	---	---	---	---	---	---	---	---	16.8	16.8	16.8
17	---	---	---	---	---	---	16.4	16.4	16.4	16.8	16.8	16.8
18	---	---	---	---	---	---	16.4	16.4	16.4	16.8	16.8	16.8
19	---	---	---	---	---	---	16.4	16.4	16.4	16.8	16.8	16.8
20	---	---	---	---	---	---	16.4	16.4	16.4	16.9	16.8	16.8
21	---	---	---	---	---	---	---	---	---	16.9	16.8	16.9
22	---	---	---	---	---	---	16.6	16.4	16.5	16.9	16.9	16.9
23	---	---	---	---	---	---	16.6	16.6	16.6	16.9	16.9	16.9
24	---	---	---	---	---	---	16.6	16.6	16.6	17.0	16.9	17.0
25	---	---	---	---	---	---	16.6	16.6	16.6	17.0	17.0	17.0
26	---	---	---	---	---	---	16.6	16.6	16.6	17.1	17.0	17.0
27	---	---	---	---	---	---	16.6	16.6	16.6	17.1	17.1	17.1
28	---	---	---	---	---	---	16.6	16.6	16.6	17.1	17.1	17.1
29	---	---	---	---	---	---	16.6	16.6	16.6	17.2	17.1	17.2
30	---	---	---	---	---	---	16.6	16.6	16.6	---	---	---
31	---	---	---	---	---	---	16.6	16.6	16.6	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	16.6	16.5	16.6	16.2	16.2	16.2	16.0	15.9	16.0
2	---	---	---	16.5	16.5	16.5	16.2	16.2	16.2	15.9	15.9	15.9
3	---	---	---	16.5	16.5	16.5	16.3	16.2	16.2	15.9	15.9	15.9
4	---	---	---	16.5	16.5	16.5	---	---	---	16.0	15.9	16.0
5	---	---	---	16.5	16.5	16.5	16.3	16.2	16.2	16.0	15.9	15.9
6	---	---	---	16.5	16.5	16.5	16.3	16.2	16.2	16.1	16.0	16.0
7	---	---	---	16.5	16.5	16.5	16.2	16.2	16.2	16.1	15.9	16.0
8	16.8	16.8	16.8	16.5	16.4	16.5	16.2	16.1	16.2	16.1	16.0	16.1
9	16.8	16.7	16.7	16.4	16.4	16.4	16.2	16.1	16.1	16.0	16.0	16.0
10	16.7	16.7	16.7	16.4	16.4	16.4	16.1	16.1	16.1	16.1	16.0	16.0
11	16.7	16.7	16.7	16.4	16.4	16.4	16.2	16.1	16.1	16.0	16.0	16.0
12	16.7	16.7	16.7	16.4	16.4	16.4	16.2	16.1	16.2	16.0	15.9	15.9
13	16.7	16.7	16.7	16.4	16.4	16.4	16.2	16.1	16.2	16.0	15.9	16.0
14	16.7	16.7	16.7	16.4	16.4	16.4	16.2	16.1	16.1	16.0	15.9	16.0
15	16.7	16.7	16.7	16.4	16.4	16.4	16.2	16.1	16.1	16.0	15.9	16.0
16	16.7	16.7	16.7	16.4	16.4	16.4	16.2	16.1	16.1	16.0	15.9	15.9
17	16.7	16.7	16.7	16.4	16.3	16.4	16.1	16.1	16.1	16.0	15.9	15.9
18	16.7	16.6	16.6	16.4	16.3	16.3	16.1	16.1	16.1	15.9	15.9	15.9
19	16.6	16.6	16.6	16.3	16.3	16.3	16.1	16.0	16.1	16.0	15.9	15.9
20	16.6	16.6	16.6	16.3	16.3	16.3	16.1	16.0	16.0	15.9	15.9	15.9
21	16.6	16.6	16.6	16.3	16.3	16.3	16.0	16.0	16.0	15.9	15.9	15.9
22	16.6	16.6	16.6	16.3	16.3	16.3	16.1	16.0	16.0	15.9	15.9	15.9
23	16.6	16.6	16.6	16.3	16.3	16.3	16.0	16.0	16.0	15.9	15.9	15.9
24	16.6	16.6	16.6	16.3	16.3	16.3	16.0	16.0	16.0	15.9	15.9	15.9
25	16.6	16.6	16.6	16.3	16.2	16.3	16.0	15.9	16.0	15.9	15.9	15.9
26	16.6	16.6	16.6	16.3	16.2	16.2	16.0	16.0	16.0	15.9	15.8	15.8
27	16.6	16.6	16.6	16.2	16.2	16.2	16.0	16.0	16.0	15.9	15.9	15.9
28	16.6	16.6	16.6	16.2	16.2	16.2	16.0	16.0	16.0	15.9	15.9	15.9
29	---	---	---	16.2	16.2	16.2	16.0	16.0	16.0	15.9	15.9	15.9
30	---	---	---	---	---	---	16.0	16.0	16.0	15.9	15.8	15.8
31	---	---	---	16.3	16.2	16.2	---	---	---	15.9	15.8	15.9
Month	---	---	---	---	---	---	---	---	---	16.1	15.8	15.9

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	15.9	15.8	15.8	15.9	15.9	15.9	---	---	---	16.1	16.1	16.1
2	15.9	15.8	15.9	15.9	15.8	15.9	---	---	---	16.1	16.1	16.1
3	15.9	15.8	15.8	15.9	15.9	15.9	---	---	---	16.1	16.1	16.1
4	15.8	15.8	15.8	15.9	15.9	15.9	15.9	15.9	15.9	16.1	16.1	16.1
5	15.8	15.8	15.8	15.9	15.9	15.9	15.9	15.9	15.9	16.1	16.1	16.1
6	15.9	15.8	15.9	15.9	15.9	15.9	15.9	15.9	15.9	16.1	16.1	16.1
7	15.8	15.8	15.8	15.9	15.8	15.9	15.9	15.9	15.9	16.1	16.1	16.1
8	15.8	15.8	15.8	15.9	15.8	15.8	15.9	15.9	15.9	16.1	16.1	16.1
9	15.8	15.8	15.8	15.9	15.8	15.8	15.9	15.9	15.9	16.1	16.1	16.1
10	15.8	15.8	15.8	15.9	15.8	15.9	15.9	15.9	15.9	16.1	16.1	16.1
11	15.8	15.8	15.8	15.9	15.9	15.9	15.9	15.9	15.9	16.1	16.1	16.1
12	15.8	15.8	15.8	15.9	15.9	15.9	16.0	15.9	15.9	16.1	16.1	16.1
13	15.8	15.8	15.8	---	---	---	16.0	15.9	16.0	16.1	16.1	16.1
14	15.8	15.8	15.8	---	---	---	16.0	16.0	16.0	16.1	16.1	16.1
15	15.9	15.8	15.9	---	---	---	16.0	16.0	16.0	16.2	16.1	16.2
16	15.9	15.8	15.8	---	---	---	16.0	16.0	16.0	16.2	16.2	16.2
17	15.8	15.8	15.8	---	---	---	16.0	16.0	16.0	16.2	16.2	16.2
18	15.8	15.8	15.8	---	---	---	16.0	16.0	16.0	16.2	16.2	16.2
19	---	---	---	---	---	---	16.0	16.0	16.0	16.2	16.2	16.2
20	15.9	15.9	15.9	---	---	---	16.0	16.0	16.0	---	---	---
21	15.9	15.9	15.9	15.9	15.9	15.9	16.0	16.0	16.0	16.2	16.2	16.2
22	15.9	15.9	15.9	15.9	15.9	15.9	16.0	16.0	16.0	16.2	16.2	16.2
23	15.9	15.9	15.9	15.9	15.9	15.9	16.0	16.0	16.0	16.2	16.2	16.2
24	15.9	15.8	15.9	15.9	15.9	15.9	16.0	16.0	16.0	16.2	16.2	16.2
25	15.9	15.8	15.8	15.9	15.9	15.9	16.0	16.0	16.0	16.2	16.2	16.2
26	15.9	15.8	15.8	---	---	---	16.0	16.0	16.0	16.2	16.2	16.2
27	15.9	15.9	15.9	---	---	---	16.0	16.0	16.0	16.2	16.2	16.2
28	15.9	15.8	15.9	---	---	---	---	---	---	16.3	16.2	16.2
29	15.9	15.8	15.9	15.9	15.9	15.9	---	---	---	16.3	16.3	16.3
30	15.9	15.9	15.9	15.9	15.9	15.9	16.1	16.1	16.1	16.3	16.3	16.3
31	---	---	---	---	---	---	16.1	16.1	16.1	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	16.3	16.3	16.3	16.5	16.5	16.5	16.7	16.7	16.7	16.8	16.7	16.8
2	16.3	16.3	16.3	16.5	16.5	16.5	16.7	16.7	16.7	16.8	16.7	16.8
3	16.3	16.3	16.3	16.5	16.5	16.5	16.7	16.7	16.7	16.7	16.7	16.7
4	16.3	16.3	16.3	16.5	16.5	16.5	16.7	16.7	16.7	16.8	16.7	16.7
5	16.3	16.3	16.3	16.6	16.5	16.5	16.7	16.7	16.7	16.8	16.7	16.8
6	16.3	16.3	16.3	16.6	16.5	16.6	16.7	16.7	16.7	16.8	16.7	16.8
7	16.3	16.3	16.3	16.6	16.6	16.6	16.7	16.7	16.7	16.8	16.7	16.8
8	16.3	16.3	16.3	16.6	16.6	16.6	16.7	16.7	16.7	16.8	16.7	16.8
9	16.3	16.3	16.3	16.6	16.6	16.6	16.7	16.7	16.7	16.8	16.7	16.8
10	16.4	16.3	16.3	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
11	---	---	---	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
12	16.4	16.4	16.4	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
13	16.4	16.4	16.4	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
14	16.4	16.4	16.4	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
15	16.4	16.4	16.4	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
16	16.4	16.4	16.4	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
17	16.4	16.4	16.4	---	---	---	16.7	16.7	16.7	---	---	---
18	16.4	16.4	16.4	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
19	16.4	16.4	16.4	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
20	16.4	16.4	16.4	16.7	16.6	16.6	16.7	16.7	16.7	---	---	---
21	16.4	16.4	16.4	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
22	16.4	16.4	16.4	16.7	16.6	16.6	16.7	16.7	16.7	---	---	---
23	16.5	16.4	16.4	16.7	16.6	16.6	16.7	16.7	16.7	---	---	---
24	16.5	16.5	16.5	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
25	16.5	16.5	16.5	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
26	16.5	16.5	16.5	16.6	16.6	16.6	16.7	16.7	16.7	---	---	---
27	16.5	16.5	16.5	16.7	16.6	16.6	16.7	16.7	16.7	---	---	---
28	16.5	16.5	16.5	16.7	16.6	16.7	16.7	16.7	16.7	---	---	---
29	16.5	16.5	16.5	---	---	---	16.7	16.7	16.7	---	---	---
30	16.5	16.5	16.5	16.7	16.7	16.7	16.7	16.7	16.7	---	---	---
31	16.5	16.5	16.5	---	---	---	16.7	16.7	16.7	---	---	---
Month	---	---	---	---	---	---	16.7	16.7	16.7	---	---	---

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	7.6	6.7	7.1
22	---	---	---	---	---	---	---	---	---	6.7	6.4	6.5
23	---	---	---	---	---	---	---	---	---	6.5	6.2	6.4
24	---	---	---	---	---	---	---	---	---	6.5	6.3	6.4
25	---	---	---	---	---	---	---	---	---	6.5	6.3	6.4
26	---	---	---	---	---	---	---	---	---	6.6	6.4	6.5
27	---	---	---	---	---	---	---	---	---	6.6	6.5	6.5
28	---	---	---	---	---	---	---	---	---	6.6	6.5	6.5
29	---	---	---	---	---	---	---	---	---	6.6	6.5	6.6
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

**DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	6.7	6.6	6.6	---	---	---	---	---	---
2	---	---	---	6.7	6.7	6.7	---	---	---	---	---	---
3	---	---	---	6.7	6.7	6.7	---	---	---	---	---	---
4	---	---	---	6.7	6.6	6.7	---	---	---	---	---	---
5	---	---	---	6.7	6.6	6.7	7.5	7.0	7.2	---	---	---
6	---	---	---	6.8	6.6	6.7	7.3	6.9	7.1	---	---	---
7	---	---	---	6.8	6.7	6.8	7.5	7.3	7.4	---	---	---
8	6.7	6.5	6.6	6.8	6.7	6.8	7.6	7.4	7.5	---	---	---
9	6.6	6.5	6.6	6.9	6.8	6.9	7.8	7.5	7.6	---	---	---
10	6.6	6.4	6.5	7.1	6.9	7.0	7.8	7.6	7.7	---	---	---
11	6.5	6.3	6.4	7.1	7.0	7.0	7.7	7.5	7.6	---	---	---
12	6.4	6.3	6.4	7.0	7.0	7.0	7.6	7.5	7.6	---	---	---
13	6.5	6.3	6.4	7.0	6.9	7.0	7.6	7.4	7.5	---	---	---
14	6.5	6.4	6.4	7.0	6.9	7.0	7.5	7.4	7.4	---	---	---
15	6.5	6.2	6.4	7.1	7.0	7.1	7.4	7.3	7.4	---	---	---
16	6.4	6.3	6.4	7.1	7.0	7.1	7.4	7.3	7.3	---	---	---
17	6.6	6.4	6.5	7.1	7.0	7.1	7.4	7.2	7.3	---	---	---
18	6.6	6.5	6.5	7.1	7.0	7.0	7.2	7.1	7.2	---	---	---
19	6.6	6.5	6.5	7.1	7.0	7.1	7.4	7.1	7.2	---	---	---
20	6.6	6.5	6.5	7.2	7.0	7.1	7.4	7.3	7.4	---	---	---
21	6.7	6.5	6.6	7.2	7.1	7.1	7.5	7.4	7.4	---	---	---
22	6.6	6.6	6.6	7.2	7.1	7.2	---	---	---	---	---	---
23	6.7	6.6	6.6	7.2	7.1	7.2	---	---	---	---	---	---
24	6.7	6.6	6.6	7.3	7.2	7.2	---	---	---	---	---	---
25	6.8	6.6	6.7	7.3	7.1	7.2	---	---	---	---	---	---
26	6.7	6.6	6.7	7.3	7.2	7.2	---	---	---	---	---	---
27	6.7	6.6	6.7	7.3	7.2	7.2	---	---	---	---	---	---
28	6.7	6.6	6.6	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	79	70	73
22	---	---	---	---	---	---	---	---	---	70	66	68
23	---	---	---	---	---	---	---	---	---	67	64	66
24	---	---	---	---	---	---	---	---	---	68	66	67
25	---	---	---	---	---	---	---	---	---	68	66	67
26	---	---	---	---	---	---	---	---	---	69	67	68
27	---	---	---	---	---	---	---	---	---	69	68	68
28	---	---	---	---	---	---	---	---	---	69	68	68
29	---	---	---	---	---	---	---	---	---	69	68	69
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

354315078300101 Local number WK-332, Raleigh Hydrogeologic Research Station WC-2S (Regolith)—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, PERCENT OF SATURATION
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	69	68	68	---	---	---	---	---	---
2	---	---	---	69	69	69	---	---	---	---	---	---
3	---	---	---	69	69	69	---	---	---	---	---	---
4	---	---	---	69	68	69	---	---	---	---	---	---
5	---	---	---	69	68	69	77	72	74	---	---	---
6	---	---	---	70	68	69	75	71	73	---	---	---
7	---	---	---	70	69	70	77	75	76	---	---	---
8	69	67	68	70	69	70	78	76	77	---	---	---
9	68	67	68	71	70	71	80	77	78	---	---	---
10	68	66	67	73	71	72	80	78	79	---	---	---
11	67	65	66	73	72	72	79	77	78	---	---	---
12	66	65	66	72	72	72	78	77	78	---	---	---
13	67	65	66	72	71	72	78	76	77	---	---	---
14	67	66	66	72	71	72	77	76	76	---	---	---
15	67	64	66	73	72	73	76	75	76	---	---	---
16	66	65	66	73	72	73	76	75	75	---	---	---
17	68	66	67	73	72	73	76	73	74	---	---	---
18	68	67	67	73	72	72	74	72	73	---	---	---
19	68	67	67	73	72	73	75	72	74	---	---	---
20	68	67	67	74	72	73	76	75	75	---	---	---
21	69	67	68	74	73	73	76	75	75	---	---	---
22	68	68	68	74	73	74	---	---	---	---	---	---
23	69	68	68	74	73	74	---	---	---	---	---	---
24	69	68	68	75	74	74	---	---	---	---	---	---
25	70	68	69	75	73	74	---	---	---	---	---	---
26	69	68	69	75	74	74	---	---	---	---	---	---
27	69	68	69	75	74	74	---	---	---	---	---	---
28	69	68	68	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---