



Water-Data Report 2011

353747077052001 Local number BO-419, WASHINGTON RSK, M21K2, NEAR WASHINGTON, NC

Castle Hayne aquifer
Castle Hayne Limestone

Beaufort County, NC

LOCATION.--Lat 35°37'47", long 77°05'20" referenced to North American Datum of 1983, Beaufort County, NC, Hydrologic Unit 03020103, .5 mi north of Secondary Road 1409 and 5.8 mi north of Washington. Owner: NCDENR (North Carolina Department of Environment and Natural Resources).

GROUNDWATER RECORDS

WELL CHARACTERISTICS.--Depth 82 ft. Upper casing diameter 4 in; top of first opening 72 ft, bottom of last opening 82 ft.

DATUM.--Land-surface datum is 35.85 ft above National Geodetic Vertical Datum of 1929. Measuring point: 3.69 ft above land-surface datum, November 5, 2007 to present.

PERIOD OF RECORD.--August 2003 to current year.

GAGE.--Measured periodically with electric tape, steel tape, and transducer.

REMARKS.--Well measured in 2009 as part of the National Water Quality Assessment (NAWQA) program.

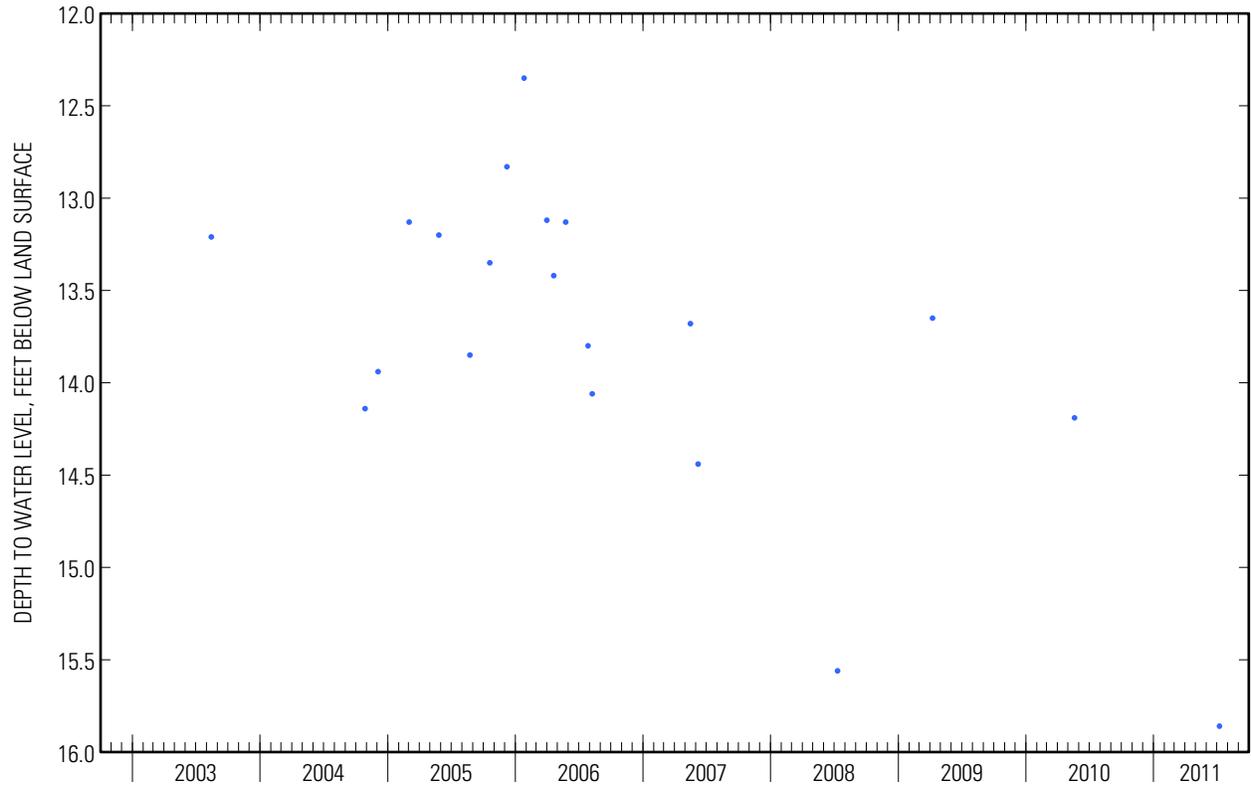
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.35 ft below land-surface datum, January 25, 2006; lowest water level measured, 15.56 ft below land-surface datum, July 10, 2008.

REVISIONS.--Data published in water year 2009 indicated the measuring point was 3.96 ft above land-surface datum; however, the correct value is 3.69 ft above land-surface datum.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level
Apr 8, 2009	13.65
Jul 8, 2011	15.86

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2003, 2005, 2007, 2009, 2011.

REMARKS.--Well is sampled as part of the National Water-Quality Assessment (NAWQA) Program.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Medium name	Sample type	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Depth to water level, ft below land surface (72019)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)
07-08-2011	1030	Groundwater	Regular	764	29.0	15.86	M	.0	7.2
07-08-2011	1031	<i>QC sample - Artificial</i>	<i>Blank</i>	--	--	--	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Specific conductance, water, unfiltered, µS/cm at 25 °C (00095)	Temperature, water, °C (00010)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Water level, depth below measuring point, feet (61055)	Dissolved solids dried at 180 °C, water, filtered, mg/L (70300)	Hardness, water, mg/L as CaCO ₃ (00900)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)
07-08-2011	1030	325	18.0	12	19.55	208	150	56.3	2.18
07-08-2011	1031	--	--	--	--	15	<.16	.05	<.008

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Potassium, water, filtered, mg/L (00935)	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as CaCO ₃ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Bromide, water, filtered, mg/L (71870)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO ₂ (00955)
07-08-2011	1030	2.29	6.91	150	182	.02	5.38	.14	35.5
07-08-2011	1031	< .02	< .06	--	--	< .01	< .06	< .04	< .03

WATER-QUALITY DATA
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Sulfate, water, filtered, mg/L (00945)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Total nitrogen, water, filtered, analytically determined, mg/L (62854)	Aluminum, water, filtered, µg/L (01106)	Barium, water, filtered, µg/L (01005)
07-08-2011	1030	.96	.076	< .02	.001	.071	.06	< 1.7	6
07-08-2011	1031	< .09	< .010	< .02	< .001	< .004	< .05	< 1.7	M

WATER-QUALITY DATA
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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Beryllium, water, filtered, µg/L (01010)	Cadmium, water, filtered, µg/L (01025)	Chromium, water, filtered, µg/L (01030)	Cobalt, water, filtered, µg/L (01035)	Copper, water, filtered, µg/L (01040)	Iron, water, filtered, µg/L (01046)	Lead, water, filtered, µg/L (01049)	Lithium, water, filtered, µg/L (01130)	Manganese, water, filtered, µg/L (01056)
07-08-2011	1030	< .01	< .02	< .06	.03	< .50	1,770	.05	6.0	50.3
07-08-2011	1031	< .01	< .02	.07	.04	< .50	6	.03	< .2	.3

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WATER-QUALITY DATA
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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Molybdenum, water, filtered, μg/L (01060)	Nickel, water, filtered, μg/L (01065)	Silver, water, filtered, μg/L (01075)	Strontium, water, filtered, μg/L (01080)	Thallium, water, filtered, μg/L (01057)	Vanadium, water, filtered, μg/L (01085)	Zinc, water, filtered, μg/L (01090)	Antimony, water, filtered, μg/L (01095)	Arsenic, water, filtered, μg/L (01000)
07-08-2011	1030	.10	.47	< .01	188	< .01	< .08	< 1.4	< .03	.07
07-08-2011	1031	.01	.16	< .01	.23	< .01	< .08	< 1.4	.07	< .02

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Boron, water, filtered, μg/L (01020)	Selenium, water, filtered, μg/L (01145)	1,2,3-Tri-chloro-propane, water, unfiltered, recoverable, μg/L (77443)	1,2-Dibromo-3-chloro-propane, water, unfiltered, recoverable, μg/L (82625)	1,2-Dibromo-ethane, water, unfiltered, recoverable, μg/L (77651)	1,2-Dichloro-ethane, water, unfiltered, recoverable, μg/L (32103)	1,2-Dichloro-propane, water, unfiltered, recoverable, μg/L (34541)	1,3-Di-chloro-propane, water, unfiltered, recoverable, μg/L (77173)	1,4-Dichloro-benzene, water, unfiltered, recoverable, μg/L (34571)
07-08-2011	1030	14	< .03	< .12	< .4	< .03	< .1	< .03	< .1	< .03
07-08-2011	1031	< 3	< .03	< .12	< .4	< .03	< .1	< .03	< .1	.03

WATER-QUALITY DATA
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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; μS/cm, microsiemens per centimeter; μg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	1-Naphthol, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (49295)	2,6-Diethyl-aniline, water, filtered (0.7 micron glass fiber filter), recoverable, μg/L (82660)	2-Chloro-2',6'-diethyl-acetanilide, water, filtered, recoverable, μg/L (61618)	2-Chloro-4-isopropyl-amino-6-triazine, water, filtered, recoverable, μg/L (04040)	2-Ethyl-6-methyl-aniline, water, filtered, recoverable, μg/L (61620)	3,4-Dichloro-aniline, water, filtered, recoverable, μg/L (61625)	3,5-Di-chloro-aniline, water, filtered, recoverable, μg/L (61627)	3-Chloro-propene, water, unfiltered, recoverable, μg/L (78109)	4-Chloro-2-methyl-phenol, water, filtered, recoverable, μg/L (61633)
07-08-2011	1030	< .036	< .006	< .010	< .006	< .010	< .004	< .004	< .08	< .005
07-08-2011	1031	< .036	< .006	< .010	< .006	< .010	< .004	< .004	< .08	< .005

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Aceto-chlor, water, filtered, recoverable, µg/L (49260)	Acrylo-nitrile, water, unfiltered, recoverable, µg/L (34215)	Alachlor, water, filtered, recoverable, µg/L (46342)	alpha-Endo-sulfan, water, filtered, recoverable, µg/L (34362)	Atrazine, water, filtered, recoverable, µg/L (39632)	Azinphos-methyl oxygen analog, water, filtered, recoverable, µg/L (61635)	Azinphos-methyl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82686)	Benfluralin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82673)	Bromo-methane, water, unfiltered, recoverable, µg/L (34413)
07-08-2011	1030	< .010	< 0.8	< .008	< .006	< .008	< .04	< .120	< .014	< .2
07-08-2011	1031	< .010	< 0.8	< .008	< .006	< .008	< .04	< .120	< .014	< .2

WATER-QUALITY DATA
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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Carbaryl, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82680)	Carbofuran, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82674)	Carbon disulfide, water, unfiltered, recoverable, µg/L (77041)	Chlorpyrifos oxygen analog, water, filtered, recoverable, µg/L (61636)	Chlorpyrifos, water, filtered, recoverable, µg/L (38933)	cis-1,3-Di-chloro-propene, water, unfiltered, recoverable, µg/L (34704)	cis-Permeth-rin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82687)	cis-Propicon-azole, water, filtered, recoverable, µg/L (79846)
07-08-2011	1030	< .060	< .060	< .08	< .06	< .004	< .10	< .010	< .008
07-08-2011	1031	< .060	< .060	< .08	< .06	< .004	< .10	< .010	< .008

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WATER-QUALITY DATA
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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Cyanazine,	Cyfluthrin,	Cyper-	DCPA,	Desulfinyl-	Desulfinyl-	Diazinon,	Dichlor-	Dicroto-
		water,	water,	methrin,	water,	fipronil	fipronil,	water,	vos, water,	phos,
		filtered,	filtered,	water,	filtered	amide,	water,	filtered,	filtered,	water,
		recover-	recover-	filtered,	(0.7 micron	water,	recover-	recover-	recover-	filtered,
		able,	able,	recover-	glass fiber	recover-	able,	able,	able,	recover-
		µg/L	µg/L	able,	filter),	able,	µg/L	µg/L	µg/L	able,
		(04041)	(61585)	able,	recover-	(62169)	(62170)	(39572)	(38775)	able,
				µg/L	able,					µg/L
				(61586)	(82682)					(38454)
07-08-2011	1030	< .022	< .016	< .020	< .008	< .029	< .012	< .006	< .04	< .08
07-08-2011	1031	< .022	< .016	< .020	< .008	< .029	< .012	< .006	< .04	< .08

WATER-QUALITY DATA
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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Dieldrin,	Dimetho-	Disulfoton,	Endosulfan	EPTC,	Ethion	Ethion,	Ethoprop,	
		water,	ate, water,	water,	sulfate,	water,	monoxon,	water,	water,	
		filtered,	filtered	filtered	water,	filtered	water,	filtered,	filtered	
		recover-	(0.7 micron	(0.7 micron	recover-	(0.7 micron	filtered,	recover-	(0.7 micron	
		able,	glass fiber	glass fiber	able,	glass fiber	recover-	able,	glass fiber	
		µg/L	filter),	filter),	µg/L	filter),	able,	µg/L	filter),	
		(39381)	recover-	recover-	(61590)	recover-	µg/L	(82346)	recover-	
			able,	able,	(82677)	able,	(61644)	(82672)	able,	
			µg/L	µg/L		µg/L			µg/L	
			(82662)	(61640)		(82668)			(82672)	
07-08-2011	1030	< .008	< .006	< .01	< .04	< .016	< .006	< .02	< .008	< .016
07-08-2011	1031	< .008	< .006	< .01	< .04	< .016	< .006	< .02	< .008	< .016

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WATER-QUALITY DATA
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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Fenami-phos sulfone, water, filtered, recoverable, µg/L (61645)	Fenami-phos sulfoxide, water, filtered, recoverable, µg/L (61646)	Fenami-phos, water, filtered, recoverable, µg/L (61591)	Fipronil sulfide, water, filtered, recoverable, µg/L (62167)	Fipronil sulfone, water, filtered, recoverable, µg/L (62168)	Fipronil, water, filtered, recoverable, µg/L (62166)	Fonofos, water, filtered, recoverable, µg/L (04095)	Hexazinone, water, filtered, recoverable, µg/L (04025)	Iodomethane, water, unfiltered, recoverable, µg/L (77424)
07-08-2011	1030	< .054	< .08	< .03	< .012	< .024	< .018	< .005	< .008	< .26
07-08-2011	1031	< .054	< .08	< .03	< .012	< .024	< .018	< .005	< .008	< .26

WATER-QUALITY DATA
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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Iprodione, water, filtered, recoverable, µg/L (61593)	Isofenphos, water, filtered, recoverable, µg/L (61594)	lambda-Cyhalothrin, water, filtered, recoverable, µg/L (61595)	Malaoxon, water, filtered, recoverable, µg/L (61652)	Malathion, water, filtered, recoverable, µg/L (39532)	Metalaxyl, water, filtered, recoverable, µg/L (61596)	Methidathion, water, filtered, recoverable, µg/L (61598)	Methyl parathion, water, filtered, recoverable, µg/L (61664)	Methyl parathion, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82667)
07-08-2011	1030	< .014	< .006	< .010	< .022	< .016	< .014	< .012	< .01	< .008
07-08-2011	1031	< .014	< .006	< .010	< .022	< .016	< .014	< .012	< .01	< .008

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WATER-QUALITY DATA
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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Metolachlor, water, filtered, recoverable, µg/L (39415)	Metribuzin, water, filtered, recoverable, µg/L (82630)	Molinate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82671)	Myclobutanil, water, filtered, recoverable, µg/L (61599)	Oxyfluorfen, water, filtered, recoverable, µg/L (61600)	Pendimethalin, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82683)	Phorate oxygen analog, water, filtered, recoverable, µg/L (61666)	Phorate, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82664)	Phosmet oxygen analog, water, filtered, recoverable, µg/L (61668)
07-08-2011	1030	< .020	< .012	< .004	< .010	< .006	< .012	< .03	< .020	< .05
07-08-2011	1031	< .020	< .012	< .004	< .010	< .006	< .012	< .03	< .020	< .05

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Phosmet, water, filtered, recoverable, µg/L (61601)	Prometon, water, filtered, recoverable, µg/L (04037)	Prometryn, water, filtered, recoverable, µg/L (04036)	Propanil, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82679)	Propargite, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82685)	Propyzamide, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82676)	Simazine, water, filtered, recoverable, µg/L (04035)	Tebu-thiuron, water, filtered (0.7 micron glass fiber filter), recoverable, µg/L (82670)	Tefluthrin, water, filtered, recoverable, µg/L (61606)
07-08-2011	1030	< .140	< .012	< .006	< .010	< .02	< .004	< .006	< .03	< .010
07-08-2011	1031	< .140	< .012	< .006	< .010	< .02	< .004	< .006	< .03	< .010

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Terbufos oxygen analog sulfone, water, filtered, recoverable, (61674) µg/L	Terbufos, water, filtered, (0.7 micron glass fiber filter), recoverable, (82675) µg/L	Terbuthyl-azine, water, filtered, recoverable, (04022) µg/L	Thioben-carb, water, filtered, (0.7 micron glass fiber filter), recoverable, (82681) µg/L	trans-1,3-Dichloro-propene, water, unfiltered, recoverable, (34699) µg/L	trans-Propicon-azole, water, filtered, recoverable, (79847) µg/L	Tribuphos, water, filtered, recoverable, (61610) µg/L	Trifluralin, water, filtered, (0.7 micron glass fiber filter), recoverable, (82661) µg/L	1,1,1,2-Tetra-chloro-ethane, water, unfiltered, recoverable, (77562) µg/L
07-08-2011	1030	< .04	< .02	< .01	< .016	< .14	< .01	< .018	< .018	< .04
07-08-2011	1031	< .04	< .02	< .01	< .016	< .14	< .01	< .018	< .018	< .04

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	1,1,1-Tri-chloro-ethane, water, unfiltered, recoverable, (34506) µg/L	1,1,2,2-Tetra-chloro-ethane, water, unfiltered, recoverable, (34516) µg/L	1,1,2-Tri-chloro-1,2,2-trifluoro-ethane, water, unfiltered, recoverable, (77652) µg/L	1,1,2-Tri-chloro-ethane, water, unfiltered, recoverable, (34511) µg/L	1,1-Di-chloro-ethane, water, unfiltered, recoverable, (34496) µg/L	1,1-Di-chloro-ethene, water, unfiltered, recoverable, (34501) µg/L	1,1-Di-chloro-propene, water, unfiltered, recoverable, (77168) µg/L	1,2,3,4-Tetra-methyl-benzene, water, unfiltered, recoverable, (49999) µg/L	1,2,3,5-Tetra-methyl-benzene, water, unfiltered, recoverable, (50000) µg/L
07-08-2011	1030	< .03	< .14	< .03	< .03	< .04	< .02	< .04	< .1	< .080
07-08-2011	1031	< .03	< .14	< .03	< .03	< .04	< .02	< .04	< .1	< .080

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	1,2,3-Tri-chloro-benzene, water, unfiltered, recoverable, µg/L (77613)	1,2,3-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77221)	1,2,4-Tri-chloro-benzene, water, unfiltered, recoverable, µg/L (34551)	1,2,4-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77222)	1,2-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34536)	1,3,5-Tri-methyl-benzene, water, unfiltered, recoverable, µg/L (77226)	1,3-Dichloro-benzene, water, unfiltered, recoverable, µg/L (34566)	2,2-Di-chloro-propane, water, unfiltered, recoverable, µg/L (77170)	2-Chloro-toluene, water, unfiltered, recoverable, µg/L (77275)
07-08-2011	1030	< .1	< .060	< .1	< .03	< .03	< .03	< .02	< .06	< .03
07-08-2011	1031	< .1	< .060	< .1	< .03	< .03	< .03	< .02	< .06	< .03

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	2-Ethyl-toluene, water, unfiltered, recoverable, µg/L (77220)	4-Chloro-toluene, water, unfiltered, recoverable, µg/L (77277)	4-Iso-propyl-toluene, water, unfiltered, recoverable, µg/L (77356)	Acetone, water, unfiltered, recoverable, µg/L (81552)	Benzene, water, unfiltered, recoverable, µg/L (34030)	Bromo-benzene, water, unfiltered, recoverable, µg/L (81555)	Bromo-chloro-methane, water, unfiltered, recoverable, µg/L (77297)	Bromo-dichloro-methane, water, unfiltered, recoverable, µg/L (32101)	Bromo-ethene, water, unfiltered, recoverable, µg/L (50002)
07-08-2011	1030	< .03	< .04	< .06	< 3	< .03	< .02	< .06	< .03	< .1
07-08-2011	1031	< .03	< .04	< .06	< 3	.03	< .02	< .06	< .03	< .1

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Chloro-benzene, water, unfiltered, recoverable, µg/L (34301)	Chloro-ethane, water, unfiltered, recoverable, µg/L (34311)	Chloro-methane, water, unfiltered, recoverable, µg/L (34418)	cis-1,2-Di-chloro-ethene, water, unfiltered, recoverable, µg/L (77093)	Dibromo-chloro-methane, water, unfiltered, recoverable, µg/L (32105)	Dibromo-methane, water, unfiltered, recoverable, µg/L (30217)	Dichloro-difluoro-methane, water, unfiltered, recoverable, µg/L (34668)	Dichloro-methane, water, unfiltered, recoverable, µg/L (34423)	Diethyl ether, water, unfiltered, recoverable, µg/L (81576)
07-08-2011	1030	< .03	< .1	< .140	< .02	< .1	< .05	< .10	< .04	< .1
07-08-2011	1031	< .03	< .1	< .140	< .02	< .1	< .05	< .10	.07	< .1

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Diisopropyl ether, water, unfiltered, recoverable, µg/L (81577)	Ethyl methacrylate, water, unfiltered, recoverable, µg/L (73570)	Ethyl methyl ketone, water, unfiltered, recoverable, µg/L (81595)	Ethyl benzene, water, unfiltered, recoverable, µg/L (34371)	Hexachlorobutadiene, water, unfiltered, recoverable, µg/L (39702)	Hexachloroethane, water, unfiltered, recoverable, µg/L (34396)	Isobutyl methyl ketone, water, unfiltered, recoverable, µg/L (78133)	Isopropyl benzene, water, unfiltered, recoverable, µg/L (77223)	Methyl acrylate, water, unfiltered, recoverable, µg/L (49991)
07-08-2011	1030	< .06	< .2	< 1.6	< .04	< .1	< .2	< .3	< .04	< .8
07-08-2011	1031	< .06	< .2	< 1.6	< .04	< .1	< .2	< .3	< .04	< .8

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	Methyl acrylonitrile, water, unfiltered, recoverable, µg/L (81593)	Methyl methacrylate, water, unfiltered, recoverable, µg/L (81597)	Methyl tert-butyl ether, water, unfiltered, recoverable, µg/L (78032)	Methyl tert-pentyl ether, water, unfiltered, recoverable, µg/L (50005)	m-Xylene plus p-xylene, water, unfiltered, recoverable, µg/L (85795)	Naphthalene, water, unfiltered, recoverable, µg/L (34696)	n-Butyl methyl ketone, water, unfiltered, recoverable, µg/L (77103)	n-Butyl benzene, water, unfiltered, recoverable, µg/L (77342)	n-Propyl benzene, water, unfiltered, recoverable, µg/L (77224)
07-08-2011	1030	< .3	< .2	< .10	< .06	< .08	< .2	< .4	< .1	< .04
07-08-2011	1031	< .3	< .2	< .10	< .06	< .08	< .2	< .4	< .1	< .04

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	o-Xylene, water, unfiltered, recoverable, µg/L (77135)	sec-Butyl benzene, water, unfiltered, recoverable, µg/L (77350)	Styrene, water, unfiltered, recoverable, µg/L (77128)	tert-Butyl ethyl ether, water, unfiltered, recoverable, µg/L (50004)	tert-Butyl benzene, water, unfiltered, recoverable, µg/L (77353)	Tetrachloroethene, water, unfiltered, recoverable, µg/L (34475)	Tetrachloromethane, water, unfiltered, recoverable, µg/L (32102)	Tetrahydrofuran, water, unfiltered, recoverable, µg/L (81607)	Toluene, water, unfiltered, recoverable, µg/L (34010)
07-08-2011	1030	< .03	< .03	< .04	< .03	< .06	< .03	< .06	< 1	< .02
07-08-2011	1031	< .03	< .03	< .04	< .03	< .06	< .03	< .06	< 1	.01

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[%, percent; CaCO₃, calcium carbonate; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; SiO₂, silicon dioxide; ft, feet; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; M, presence verified but not quantified]

Date	Sample start time	trans-1,2-Dichloro-ethene, water, unfiltered, recoverable, µg/L (34546)	trans-1,4-Dichloro-2-butene, water, unfiltered, recoverable, µg/L (73547)	Tribromo-methane, water, unfiltered, recoverable, µg/L (32104)	Trichloro-ethene, water, unfiltered, recoverable, µg/L (39180)	Trichloro-fluoro-methane, water, unfiltered, recoverable, µg/L (34488)	Trichloro-methane, water, unfiltered, recoverable, µg/L (32106)	Vinyl chloride, water, unfiltered, recoverable, µg/L (39175)	Uranium (natural), water, filtered, µg/L (22703)
07-08-2011	1030	< .02	< .4	< .10	< .02	< .06	< .03	.1	< 0.004
07-08-2011	1031	< .02	< .4	< .10	< .02	< .06	< .03	< .1	< 0.004