

Water-Data Report 2009

344347077123701 Local number ON-464 PARKERTOWN RESEARCH STATION X22H1 NEAR HUBERT, NC

Castle Hayne aquifer
 Castle Hayne Formation
 Onslow County, NC

LOCATION.--Lat 34°43'46.7", long 77°12'37.4" referenced to North American Datum of 1983, Onslow County, NC, Hydrologic Unit 03020106, .11 mi east of Secondary Road 1432 (Parkertown Road), 2.13 mi northeast of Hubert.

GROUNDWATER RECORDS

DATUM.--Land-surface datum is 40 ft above National Geodetic Vertical Datum of 1929. Measuring point: 2.80 ft above land-surface datum, April 24, 2008, to present.

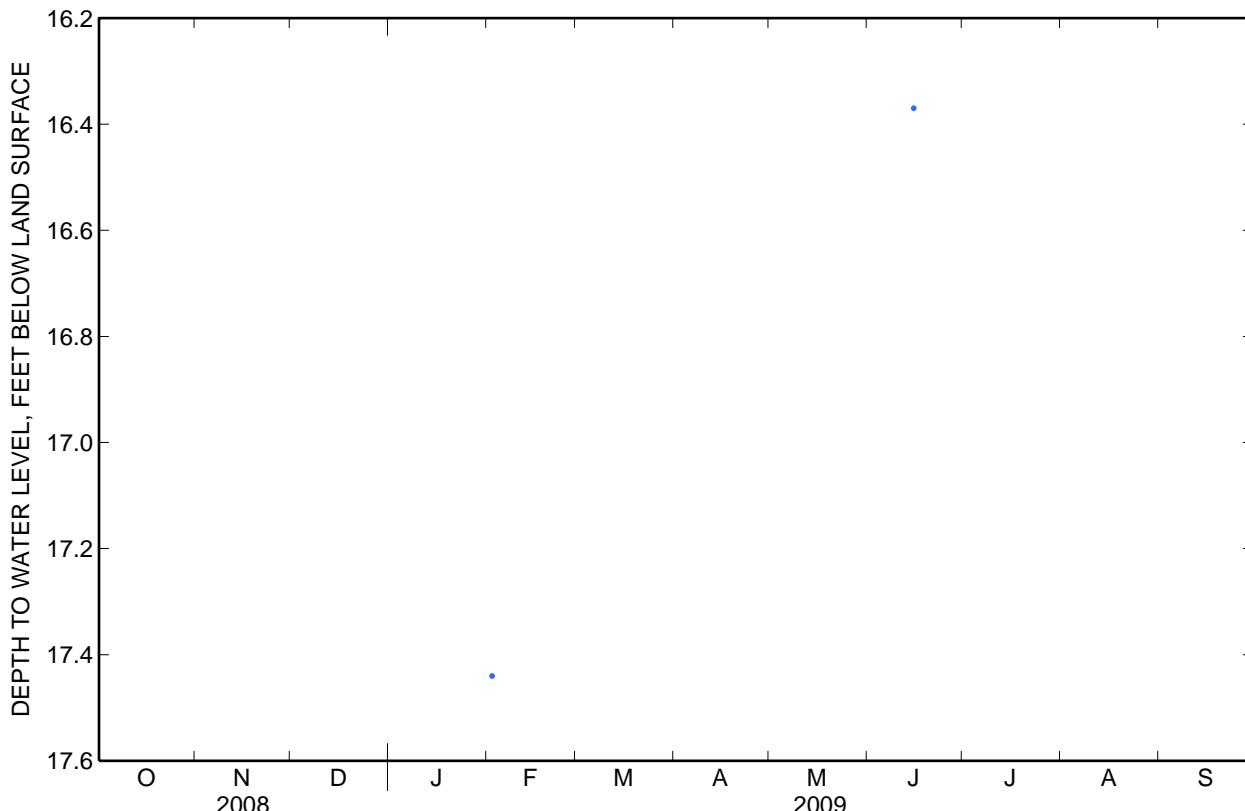
PERIOD OF RECORD.--February 2009, June 2009.

GAGE.--Measured periodically with electric tape.

REMARKS.--Well measured as part of the Onslow County groundwater study.

WATER LEVELS IN FEET BELOW LAND-SURFACE DATUM

Date	Water level	Date	Water level
Feb 2, 2009	17.44	Jun 15, 2009	16.37



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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 2009.

REMARKS.--Well sampled as part of the Onslow county groundwater study.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 7

[Remark codes: <, less than; E, estimated.]

Date	Time	Baro-	Dis-	pH,	Specif-	Dis-	Magnes-	Potas-	Sodium,		
		metric	solved	solved	water, unfltrd	ic					
		pres-	oxygen,	percent	field,	conduct-	solids,	Hard-	ium,	sium,	
		ure,	mg/L	of sat-	std	wat unf	sum of	ness,	water,	water,	
Date	Time	mm Hg	(00025)	oxygen,	(00300)	(00301)	constitu-	water,	water,	water,	
		(00025)	(00025)	uration	(00400)	(00095)	ents,	water,	water,	water,	
						25 degC	Temp-	mg/L as	filtrd,	filtrd,	filtrd,
						(00095)	ature,	(00900)	filtrd,	filtrd,	filtrd,
						(00010)	water,	(00915)	mg/L	mg/L	mg/L
						(70301)	CaCO3	(00915)	(00925)	(00935)	(00930)
Jun											
15...	1530	757	3.0	33	7.6	520	19.7	E335	130	43.8	6.07
											57.2

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 7

[Remark codes: <, less than; E, estimated.]

Date	Alka-	Bicar-	Ammonia				Nitrate	Ortho-	Phos-		
	linity,	bonate,	Chlor-	Fluor-	Silica,	org-N,	+ Ammonia	+ nitrite	phosphate,	phorus,	
	wat flt	wat flt	Gran, field,	Gran titr.,	ide, water,	water, filtrd,	water, unfltrd	water, filtrd,	water, filtrd,	water, unfltrd	
	mg/L as	field,	mg/L as	field,	mg/L	mg/L as	mg/L as N	mg/L as N	mg/L as N	mg/L as P	
Date	CaCO3	CaCO3	(29802)	(63786)	(00940)	(00950)	(00955)	(00945)	(00625)	(00608)	
	(29802)	(63786)	(00940)	(00950)	(00955)	(00945)	(00955)	(00945)	(00625)	(00608)	
Jun											
15...	251	306	13.3	.53	18.9	41.7	.55	.025	<.016	E.001	E.007
											.104
											22

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 3 of 7

[Remark codes: <, less than; E, estimated.]

Date	1,2,3-	Tri-	Dibromo	1,2-Di-	1,2-Di-	1,2-Di-	1,3-Di-	1,4-Di-	Acrylo-	Bromo-	cis-	trans-	1,1,1,2
	Mangan-	chloro-	chloro-	bromo-	chloro-	chloro-	chloro-	chloro-	nitrile	methane	1,3-Di-	1,3-Di-	-Tetra-
	ese, water,	propane	propane	ethane,	ethane,	ethane,	benzene	benzene	water,	water,	chloro-	chloro-	chloro-
	water,	water,	water,	water,	water,	water,	water,	water,	unfltrd	unfltrd	water,	water,	water,
Date	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
	(01056)	(77443)	(82625)	(77651)	(32103)	(34541)	(77173)	(34571)	(34215)	(34413)	(34704)	(34699)	(77562)
Jun													
15...	35.6	<.2	<.5	<.2	<.2	<.1	<.2	<.1	<2.5	<.4	<.2	<.2	<.2

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 4 of 7

[Remark codes: <, less than; E, estimated.]

Date	1,1,1-Tri-chloro-ethane, water, unfltrd	1,1,2,2-Dichloro-ethane, water, unfltrd	CFC-113	1,1,2-Chloro-ethane, water, unfltrd	1,1-Dichloro-ethane, water, unfltrd	1,1-Dichloro-ethene, water, unfltrd	1,1-Dichloro-propene	1,1-Dichloro-benzene	1,2,3-Chloro-benzene	1,2,4-Chloro-benzene	1,2,4-Chloro-benzene	1,2-Dichloro-benzene	1,3,5-Trichloro-benzene	1,3-Dichloro-benzene
	µg/L (34506)	µg/L (34516)	µg/L (77652)	µg/L (34511)	µg/L (34496)	µg/L (34501)	µg/L (77168)	µg/L (77613)	µg/L (34551)	µg/L (77222)	µg/L (34536)	µg/L (77226)	µg/L (34566)	
Jun 15...	<.1	<.2	<.1	<.2	<.1	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 5 of 7

[Remark codes: <, less than; E, estimated.]

Date	2,2-Dichloro-propane	2-Chloro-toluene	4-Chloro-toluene	4-Iso-propyl-Benzene	Bromo-benzene	Bromo-chloro-benzene	Bromo-di-chloro-benzene	Chloro-ethane, water, unfltrd	Chloro-ethene, water, unfltrd	cis-1,2-Dichloro-ethene, water, unfltrd	Di-bromo-chloro-methane	Di-bromo-methane		
	µg/L (77170)	µg/L (77275)	µg/L (77277)	µg/L (77356)	µg/L (34030)	µg/L (81555)	µg/L (77297)	µg/L (32101)	µg/L (34311)	µg/L (34418)	µg/L (77093)	µg/L (32105)	µg/L (30217)	
Jun 15...	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.2	<.1	<.2	<.2	<.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 6 of 7

[Remark codes: <, less than; E, estimated.]

Date	Di-chloro-di-fluoro-methane	Di-chloro-methane	Ethyl-benzene	Hexa-chloro-butadiene,	Iso-propyl-benzene	Methyl-t-butyl-ether,	Naphth-alene,	n-Butyl-benzene	Propyl-benzene	sec-Butyl-benzene	Styrene	tert-Butyl-benzene	Tetra-chloro-ethene,	
	µg/L (34668)	µg/L (34423)	µg/L (34371)	µg/L (39702)	µg/L (77223)	µg/L (78032)	µg/L (34696)	µg/L (34696)	µg/L (77342)	µg/L (77224)	µg/L (77350)	µg/L (77128)	µg/L (77353)	µg/L (34475)
Jun 15...	<.2	<.2	<.1	<.2	<.2	<.2	<.5	<.2	<.2	<.2	<.1	<.2	<.1	<.2

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 7 of 7

[Remark codes: <, less than; E, estimated.]

Date	Tetra-	trans-	Tri-	Tri-	chloro-	Tri-	Vinyl	
	chloro-	1,2-Di-	bromo-	chloro-	fluoro-	chloro-	chlor-	
	methane	Toluene	ethene, unfltrd	methane	ethene, unfltrd	methane	methane	Xylene,
	water, unfltrd							
	µg/L (32102)	µg/L (34010)	µg/L (34546)	µg/L (32104)	µg/L (39180)	µg/L (34488)	µg/L (32106)	µg/L (39175) (81551)
Jun								
15...	<.2	<.1	<.1	<.2	<.1	<.2	<.1	.3
								<.2