## INTERVAL SHEET

## WWCR 21

Page	1	VDMR Well No	.:_Well No. 416	7CR 21
Date	4/15/60		val: from 10 to	220
PROP:	Carlisle Water Corp.	Total depth_	230	
COMP:	Ben N. Peters	OilGas	Water_X Explorator	у
COUNTY:	Henry 4 Mi. E. of Martinsville	Cuttings X	CoreOther	
VDMR	Well No: W-416			
From-To	From-To	From-To	From-To	From-To
10 - 20	0 -		Washed samples	
20 - 3			10-220	-
30 - 4	0 -	-	Complete set of	
40 - 5	0 -	-	sampled intervals	-
50 6	0 -			-
2000				
60 - 70		-	-	-
70 - 80		-	-	-
80 - 90 90 -100		- 1		-
100 -110				
100 110				
110 -120	0			
120 -130				-
130 -140				
140 -150		-		-
150 -160		-	-	-
160 -170	0 _	_		
170 -180	0 -	-	_	-
180 -190		-		-
190 -200		-		-
200 210	0	-	_	
210 -220		-	-	-
220 -230	0 No sample -	-	<u>-</u>	-
-	4			-
	to the second second			
				_
-	Management 4-	- 1		-
-			-	-
-				-

OWNER: Carlisle Water Corporation #2

S. G. Whittle, III

DRILLER: Ben N. Peters

COUNTY: Henry (Martinsville)

VDMR #416 WWCR #21 TOTAL DEPTH: 230'

GEOLOGIC LOG		
10-20	Weathered Diorite — light-brown, white, and black; coarse-grained; feldspar, quartz, biotite, hornblende, chlorite; minor epidote, magnetite and iron oxide stain.	
20-30	As above.	
30-40	Hornblende-Quartz Diorite — white and black; coarse-grained; quartz, hornblende, epidote, oligoclase, chlorite, biotite, minor calcite, iron oxide stain, zircon and apatite; grain mount verification.	
4 <b>40-50</b>	As above — less hornblende.	
50-60	As above — more hornblende.	
60-70	As above.	
70-80	As above — more oxidation.	
80-90	As above — trace pyrite.	
90-100	As above.	
100-110	As above.	
110-120	Hornblende-Quartz Diorite — bluish-black and white; coarse-grained; hornblende (50%), quartz, epidote, oligoclase, biotite, chlorite; trace calcite, apatite, pyrite, and iron oxide stain.	
120-130	As above.	
130-140	As above.	
140-150	As above — no iron oxide stain.	
150-160	Hornblende Granodiorite — black, white, and pink; coarsegrained; hornblende, quartz, epidote, oligoclase, potash feldpsar, biotite, trace pyrite; minor iron oxide stain.	
160-170	As above.	

OWNER:	Carlisle Water Corporation #2 - S. G. Whittle, III
170-180	Hornblende-Quartz Diorite — black and white; coarse-grained; hornblende, quartz, epidote, oligoclase, biotite, trace apatite and pyrite; minor iron oxide stain.
180-190	As above - no iron oxide stain; with muscovite and chlorite.
190-200	As above — more biotite.
200-210	Granodiorite — black and white; coarse-grained, quartz, oligoclase-andesine, biotite, hornblende, epidote, muscovite, potash feldspar, minor pyrite; grain mount verification.
210-220	As above — less biotite, more muscovite.
220-230	No sample.

## GEOLOGIC SUMMARY

ROCK UNIT

TIME ROCK UNIT

Hornblende-Quartz Diorite

Uncertain Age

Virginia Division of Mineral Resources Hollis N. Walker, Geologist March 30, 1965