VIRGINIA DIVISION OF MINERAL RESOURCES
Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 1

Well Repository No.: 5229

Date rec'd Date Processed: 7/31/78

Sample Interval: from 5 to: 101

PROPERTY: Va. Dept. of Highways

Number of samples: 18

COMPANY: VDHT

Total Depth: 101

COUNTY: James City W1

Oil or Gas: Water: Exploratory: /

From-To	From-To	From-To	From-To
5 - 6	-	-	-
10 - 11	-	-	-
- 15	-	-	-
20 - 21	-	-	-
25 - 26	-	-	-
30 - 31	-	-	-
35 - 36	-	-	-
40 - 41	-	-	-
45 - 46	-	-	-
50 - 51	-	-	-
55 - 56	-	-	-
60 - 61	-	-	-
65 - 66	-	-	-
80 - 81	-	-	-
85 - 86	-	-	-
90 - 91	-	-	-
95 - 96	-	-	-
100 - 101	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

washed & unwashed samples

OWNER: Va. Dept. of Highways #W1
DRILLER: VDHT
COUNTY: James City

W#: 5229
TOTAL DEPTH: 101'
QUAD.: Surry

GEOLOGIC LOG

Depth (feet)	
0-5	No Sample.
5-6	Clay — light olive gray; some quartz; few flakes of muscovite.
6-10	No Sample.
10-11	Clay — olive light gray; some shell fragments; few grains of quartz; muscovite.
11-15	No Sample.
15	Clay — olive light gray; some fine grained quartz; few grains of glauconite.
15-20	No Sample.
20-21	Clay — olive light gray; slightly sandy; fine grained; subangular to subrounded; well sorted; quartz; muscovite.
21-25	No Sample.
25-26	Clay — olive light gray; muscovite; few grains of quartz; few black phosphatic fragments.
26-30	No Sample.
30-31	Clay — olive light gray; slightly sandy; very fine to medium grained; subangular to subrounded; moderately sorted; quartz; vivianite; muscovite.
31-35	No Sample.
35-36	Clay — olive light gray; some quartz; few black phosphatic fragments; muscovite.
36-40	No Sample.
40-41	As (35-36) plus silt.
41-45	No Sample.
45-46	Clay — olive light gray; some quartz; muscovite; vivianite.
46-50	No Sample.

Depth (feet)	
50-51	Clay — olive light gray; silt; some quartz; vivianite; muscovite.
51-55	No Sample.
55-56	Clay — olive light gray; few grains of quartz; muscovite; few shell fragments.
56-60	No Sample.
60-61	Clay — olive light gray; silty; some quartz; vivianite; muscovite.
61-65	No Sample.
65-66	As (60-61).
66-80	No Sample.
80-81	Clay — olive light gray; slightly sandy; very fine to fine grained; subangular to subangular; moderately well sorted; quartz; muscovite; vivianite.
81-85	No Sample.
85-86	Clay — olive light gray; few grains of quartz; muscovite; vivianite.
86-90	No Sample.
90-91	Clay — olive light gray; some quartz; vivianite; muscovite.
91-95	No Sample.
95-96	As (90-91).
96-100	No sample.
100-101	Sand — olive light gray; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; some black phosphatic material; muscovite.

Logged by: Michael T. Currie

GEOLOGIC SUMMARY

Depth (feet)	Thickness (feet)	Rock Unit	Time Rock Unit
0-5	5	No Sample	
5-101	96+	Calvert Formation	Miocene-Eocene

VIRGINIA DIVISION OF MINERAL RESOURCES
David A. Hubbard, Jr.
September 22, 1978

W#: 5229

FORM NO 9-1904— A

SITE NO. _____

U.S. DEPT. OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
GROUND WATER SITE INVENTORY
SITE SCHEDULE

Recorded by W.V.Daniels

Date 5-11-78

Check One ✓ English ____ Metric Units

GENERAL SITE DATA (0)

Site Ident No 37,13,1,60,76,47,35,01 (5 — 19)

RG Number R=0 *

Transaction T=(A) D M V * (add, delete, modify, verified)

Site-Type 2= C D H I M P T (W) * (collector, drain, sinkhole, connector, multiple, pond, tunnel or, well shaft; well)

Data Reliability 3=(C) U L M * (field checked, unchecked, location not, minimal accurate data)

Reporting Agency 4= USGS *

Project No. 5= H4,5,7,0,4,6,0,0 *

District 6= 51 *

State 7= 51 *

County (or town) 7= James city 8= 095 *

Latitude 9= 37,13,16 * (deg min sec)

Longitude 10= 076,47,35 * (deg min sec)

Lat-Long Accuracy 11=(S) F T M * (sec, 5 sec, 10 sec, Min)

Local Number 12= 56F 31 *

Land Net Loc. 13= (1/4 1/4 1/4 section, township, range, merid) *

Location Map 14= SURRY *

Scale 15= 2,40,0,0 *

Altitude 16= -10. *

Method of Measurement 17= A L (M) * (altimeter, level, map)

Accuracy 18= 5 *

Topo Setting 19= D C E F H K L (Ø) P S T U V W * (depression, stream, dunes, flat, hilltop, sink, swamp, offshore, pediment, hillside, terrace, undulating, valley, upland; channel; flat, draw)

Hydrologic Unit (OWDC) 20= 02080206 *

Date of First Construction/Completion 21= 10/0,0/1977 * (month day year)

Use of Site 23= A D E G H Ø M P R S (J) U W X Z * (anode, drain, geothermal, seismic, heat reserv., observation, mine, oil or gas, recharge, repress, test, unused, withdrawal, waste, destroyed)

Use of Water 24= A B C D E F H I M N P R S T (U) Y Z * (air cond., bottling, commercial, dewater, power, fire, domestic, irrigation, medicinal, industrial, public supply, recreation, stock, institution, unused; desal, other)

Secondary Water Use 25= * Tertiary Use of Water 26= * Depth of Hole 27= 101. * Depth of Well 28= 101. * Source of Depth Data ① 29= *

Water Level 30= * Date Measured 31= / / (month day year) * Source ① 33= *

Method of Measurement 34= A C E G H L M R S T V Z * (airline, calibrated, estimated, pressure gage, calibrated pressure gage, geophysical logs, manometer, reported, steel tape, electric tape, calibrated electric tape, other)

Site Status 37= D F G H Ø P R S T V X Z * (dry, flowing, nearby flowing, nearby recently flowing, obstruction, pumping, recently pumped, nearby pumping, nearby recently pumped, foreign substance, surface water effects, other)

Source of Geohydrologic Data ①: 36= * Pump Used 35= (no) * Measuring Point 266= * Measuring Point Date 267= / / (month day year) *

OWNER IDENTIFICATION (1)

R=158 * T=(A) D M * (add, delete, modify) Date of Ownership 159 # 1,0/0,0/1,977 * (month day year)

Name: Last 161= VA. DEPT * First 162= HIGHWAYS * Middle Initial 163= *

OTHER SITE IDENTIFICATION NUMBERS (1)

R=189 * T=(A) D M * (add, delete, modify) Ident 190 # W. N.O. 1 * Assigner 191= VA. DEPT HWYS *

New Card Same R & T Ident 190 # * Assigner 191= *

SITE VISIT DATA (1)

R=186 * T=(A) D M * (add, delete, modify) Date of Visit 187# 1,0/0,0/1977 * (month day year) Name of Person 188= REID C E *

FIELD WATER QUALITY MEASUREMENTS (1)

R=192 * T= A D M * (add, delete, modify) Date 193 # / / (month day year) * Geohydrologic Unit 195 # *

New Card Same R thru 195

Temperature 196# 0,0,0,1,0 * Degrees C 197= *

Conductance 196# 0,0,0,9,5 * µMhos 197= *

Other (STORET) Parameter 196# * Value 197= *

Other (STORET) Parameter 196# * Value 197= *

FOOT NOTES:

① Source of Data Codes:

S D Ø A R L G Z

Lithologic description of samples from VDHT Test Bore W1
Jamestown Ferry Improvement Project

Location: James River
End of Ferry landing
James City County

Well number: W1
371316N764735-1
Altitude: -10 feet

Owner: Virginia Dept. of Highways and Transportation

Driller: VDHT

Log by: Charles Reid

Lithology

	Depth in feet From	To
Silty clay, light brown	5	11
Silty clay, gray	15	21
Silty clay, gray, shell fragments and calcareous marl	25	26
Silty clay, gray	30	36
Silty clay, gray, shell fragments, little very fine grained quartzitic sand	40	41
Silty clay, gray	50	51
Silty clay, gray, shell fragments	55	56
Silty clay, gray, trace of limonite (orange) and ferrous (blue) stains	60	61
Silty clay, light gray, trace ferrows (blue) stains	65	66
No sample Recovered	70	76
Silty clay, gray	80	91
Silty clay, very light gray, trace ferrous (blue) stain	95	96
Sand, well sorted, very fine grained, quartzitic	100	101

Subsurface water-level data not collected by VDHT driller