

DRILLING RECORD

Subject to survey

AREA: GORDON - STAGE I - Serpentine storage	POSITION	CO-ORDINATES:	E:	N:	HOLE No. 191
LOCATION: Scott's Peak - N.E. Side of Horseshoe Hill		ON LINE:	BEARING:	AT CH.	
GEOLOGICAL PLAN: A17496 SURVEY PLAN:		AT STN:	BEARING:	DIST:	FILE No.
DATES (a) DRILLED: March '69 (b) WATER TABLE: April	LEVEL:	SURFACE	COLLAR	WATER TABLE	SHEET 3 OF 11 SHEETS
METHOD: DIAMETER: N.M.L.C. 8 M.L.C.		HOLE DRILLED	ANGLE FROM HORIZONTAL 90°	DIRECTION	
SITE REMARKS:	INCL.	VERT/HOR/ANG.			

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY %					GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS	
				20	40	60	80	100							
20'			8x												are mostly planar and lie in the plane of the bedding.
25'															97'-6"-100'-3" Grey & mustard colored argillite with scattered pebbles.
30'															100'-3"-115' Mottled yellow arg matrix in medium grained conglomerate with some larger 1/2"-1" sub O pebbles, most of which are planar & lying // to the bedding direction.
35'															115'-121' Homogenous, close packed sub O pebbles of 1/2" to 1/4" with few planars.
40'															121'-122' Coarse, dark grey s/s with included pebbles.
45'															122'-127' Close packed, sandy, grey conglomerate with bands of sub O planar pebbles of white chert and olive green chert.
50'															127'-130' Coarse, dark grey s/s with scattered pebbles, grading into grit above.
55'															130'-134'-6" granular + 1/2"-1/4" O + sub O pebbles. Planars common + pebbles are packed in a coarse s/s matrix.
60'															134'-9"-137' Matrix of coarse s/s and grit - sizes between planar 1/2"-1/4" long pebbles. Conglomerate is dark grey, possibly indicative of carbonaceous nature of deposit.
65'															137'-154' Close packed homogenous, relatively well sorted finer planar pebbles + these mostly rounded to sub rounded + 7/8" in length.
70'															154'-159' Fine planars with coarser planar pebbles in a 2" wide band.
75'															159'-164' Conglomerate of medium grey colour, pebbles a mixture of 1/2" planars plus rounded sub rounded siltstone pebbles 7/8" in a coarse s/s matrix.
80'															164'-169' Predominantly broken conglomerate with an argillaceous matrix.
85'															169'-171' A coarse sandstone with mud pebbles of planar + rounded + sub rounded shape scattered thru it.
90'															171'-180'-3" Medium grained conglomerate of moderately closely packed pebbles 1/2"-3/4" + mostly 1/4"-1/2" sizes. Planar pebbles are common.
95'															180'-3"-187' Buff / grey, pebbly banded argillite.
98'															187'-191'-9" Close packed granular conglomerate with scattered rounded + sub rounded shape, 1/2" diameter pebbles. Planar pebbles of grit-sizes to 1/2" long laid in plane of bedding are common.
100'															191'-9"-201'-8" Coarser conglomerate with close packed 1/2"-1 1/2" pebbles. Fewer planars + white chert pebbles common. A few pebbles angular in outline but mostly sub-rounded ones. Medium to dark grey colour.
105'															201'-8"-220' Reasonably homogenous conglomerate of 1/2"-1" sizes. Scattered, larger 1" pebbles - rounded + occasional 2" sizes. What is of dark grey colour with a coarse sand matrix.
110'															220'-230'-3" Pebbles of sub rounded and sub angular shapes + 1/2"-1/4" sizes. There are few planars + the pebbles are unsorted + closely packed in with grit sizes + occasional 1"-2" sizes.
115'															230'-3"-234'-9" Fine grained, olive sandstone with a few argillaceous laminations + scattered pebbles.
120'															234'-9"-246'-3" Coarser conglomerate with a preponderance of planar shapes. Most common lithologies are of buff / olive siltstone with less common white chert + purplish quartz. Planars all laid sub // to bedding.
125'															246'-3"-255' Finer, homogenous, well sorted conglomerate of predominantly 1/2"-1/4" sizes. Pebbles still of an argillaceous siltstone + of planar rounded edged shape. Some of 2" white chert up to 1/2" in size.

DRILLING RECORD

AREA: GORDON - Stage I - Serpentine Storage	POSITION	CO-ORDINATES:	E:	N:	HOLE No.
LOCATION: SCOTT'S PEAK - NE side Horsehoe Hill		ON LINE:	BEARING:	AT CH.	191
GEOLOGICAL PLAN: A17486 SURVEY PLAN:		AT STN:	BEARING:	DIST:	FILE No.
DATES (a) DRILLED: Mar '69 (b) WATER TABLE: Apr '69	LEVEL	SURFACE	COLLAR	WATER TABLE	SHEET 4 OF 11 SHEETS
METHOD: DIAMETER: B.M.L.C.					
SITE REMARKS:	INCL.	HOLE DRILLED	ANGLE FROM HORIZONTAL	DIRECTION	
		VERT. / HOR. / etc.			

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY %	GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
30'							Oil			255'-259'10": Conglomerate with larger + closer packed pebbles; white chert pebbles are more common.
5'		1"-10"								
10'							Nil.			259'10"-261' Dark grey, argillaceous conglomerate.
15'		2"-28" M 9'-12"								261'-267' Light to medium grey, fine grained, granular conglomerate.
20'										267'-289'2" Interbedded blue green + dark light grey colour banded medium to coarse grained sandstone + argillaceous sandstone, and granular conglomerate with included larger pebbles.
25'		1"-6" M 2'-8"				0				289'2"-291' Conglomerate with pebbles of mostly 1/4" sizes + somewhat lesser quantity of 1/2" sizes. Colour overall is light to dark grey + pebbles are sublit in shape, less sorted with fewer planar, the matrix is of coarse sand to grit sizes + there are a few argillite bands.
30'									65°	
35'						3				291'-306' Medium to fine grained SANDSTONE.
40'		1"-3"					Br →		70°	The sandstone is light and medium grey banded and grades to a siltstone at 306'.
45'							Br Pieces			
50'										
55'							Br			
60'										
65'							Br			
70'		1"-2" Slices Oct. 6" most 1"-4"					Br		68°	
75'							Br		50°	
80'										
85'									64°	
90'							Br			
95'							Br			
100'		Br pieces 2'-9" 10'-24" A few 2'-8" 1"-4"					Br			

DRILLING RECORD

AREA: <i>GORDON STRAEL - Serpentine Storage</i>	POSITION	CO-ORDINATES:	E:	N:	HOLE No. 191.
LOCATION: <i>Scott's Peak - NE side of Horseshoe Hill</i>		ON LINE:	BEARING:	AT CH.	
GEOLOGICAL PLAN: <i>A17486</i> SURVEY PLAN:		AT STN:	BEARING:	DIST:	FILE No.
DATES (a) DRILLED: <i>March April 1969</i> (b) WATER TABLE:	LEVEL	SURFACE	COLLAR	WATER TABLE	SHEET 6 OF 11 SHEETS
METHOD: DIAMETER: <i>B.Q.W.L.</i>					
SITE REMARKS:	INCL.	HOLE DRILLED	ANGLE FROM HORIZONTAL	DIRECTION	
		VERT./HOR./INC.	<i>90°</i>		

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY				GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
				20	40	60	80						
50'													
55'													
60'													
65'													
70'													
75'													
80'													
85'													
90'													
95'													
60'													

Nil

73°

78°

Bedding angle

DRILLING RECORD

AREA: <i>GORDON STAGEZ - Serpentine storage</i>	CO-ORDINATES:	E:	N:	HOLE No. <i>191</i>
LOCATION: <i>Scott's Peak - N.E. Side of Horseshoe Hill</i>	ON LINE:	BEARING:	AT CH:	FILE No.
GEOLOGICAL PLAN: <i>A17486</i> SURVEY PLAN:	AT STN:	BEARING:	DIST:	
DATES (a) DRILLED: <i>Plan Apr '69</i> (b) WATER TABLE:	SURFACE	COLLAR	WATER TABLE	SHEET <i>7</i> OF <i>11</i> SHEETS
METHOD: DIAMETER: <i>B.Q.W.L.</i>	HOLE DRILLED	ANGLE FROM HORIZONTAL <i>90°</i>	DIRECTION	
SITE REMARKS:	VERT./HOR./INC.			

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY					GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
				2	4	6	8	10						
0'														
5'														
10'														
15'														
20'														
25'														
30'														
35'														
40'														
45'														
50'														
55'														
60'														
65'														
70'														
75'														
80'														
85'														
90'														
95'														
100'														

6" - 33" most + 15" - about 24"

Shards

Nil.

bedding angle

77°

75°

DRILLING RECORD

AREA: <i>GORDON STAGE I - Serpentine Storage</i>	CO-ORDINATES:	E:	N:	HOLE No.
LOCATION: <i>Scott's Peak - N.E. side of Horseshoe Hill</i>	ON LINE:	BEARING:	AT CH:	<i>191</i>
GEOLOGICAL PLAN: <i>A17486</i> SURVEY PLAN:	AT STN:	BEARING:	DIST:	FILE No.
DATES (a) DRILLED: <i>Mar '69</i> (b) WATER TABLE:	SURFACE	COLLAR	WATER TABLE	SHEET
METHOD: DIAMETER: <i>B.Q.W.L.</i>				
SITE REMARKS:	HOLE DRILLED	ANGLE FROM HORIZONTAL	DIRECTION	<i>11</i>
	VERT./HOR./INC.	<i>90°</i>		SHEETS

DEPTH	CORE DRAWN	CORE LENGTH	CASING	RECOVERY				GRAPHIC LOG	JOINTS No. Per Foot.	FLUID RETURN	GROUND WATER	WATER PRESSURE TESTS LEAKAGE	REMARKS
				2	4	6	8						
0'													
5'													
10'													
15'													
20'													
25'													
30'													
35'													
40'													
45'													
50'													
55'													
60'													
65'													
70'													
75'													
80'													
85'													
90'													
95'													
99'													

N.I.

Bedding angle

70°

87°

77°

90°

78°



