

Notes by Cann

F. BEACH LEIGHTON & ASSOCIATES

Top Hole Elev. 113.0
Hole Dia. 24"
Type of Rig Bucket Auger
(See Abbreviation List attached)

GEOLOGIC DRILLING LOG NO. 16
Bernal Ave. 120' S. of Del Mar
Location of Hole
Sheet 1 of 1

Project Moss Beach
Tract
Date 9/28/71
Logged by Cotton & Cann
Notes by Cann

ALTITUDES	Log		ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
	Orientation			
			SOIL: Dk.brn., adobe type, clay-rich	Soft, Moist
5		QT	Lt.brn.-yl.brn-greenish-brn., clay-rich mtx	Soft-v/moist
10				
15			SD: Lt.brn., med., mot., v/fri., mica., caving.	H ₂ O flowing in @ 11'
		GVL		
		Slt	Dk.brn., -gy-brn., mass., unoxidized.	
20				
25			TD: 24'	
			NOTES:	
			1. Logged from the cuttings because of caving	

Top Hole Elev. 113.0
Hole Dia. 24"
Type of Rig Bucket Auger

GEOLOGIC DRILLING LOG NO. 17
Bernal Ave., 60' N. of Del Mar
Location of Hole
Sheet 1 of 1

Project Moss Beach
Tract
Date 9/28/71
Logged by Cotton & Cann
Notes by Cann

(See Abbreviation List attached)

DEPTH FEET	Log Orientation	ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
		SOIL	
5	QT.	Lt.brn.-yl.-brn., clay-rich sand	Soft, v/moist
10			
15	SD:	Lt.brn., med., mica., mot., v/fri., caving	H ₂ O flowing @ 12'
20		GRANITE	
	TD: 21'		
	NOTES:		
	1. Logged from cuttings because of side-hole caving.		
	2. Not drilled deeper because of caving and H ₂ O.		
		Elevation	
		Base of Terrace (Sand)	95.0
		Top of Bedrock (Granite)	95.0
		H ₂ O	101.0

Top Hole Elev. 112
Hole Dia. 6"
Type of Rig 6" F/Auger
(See Abbreviation List attached)

GEOLOGIC DRILLING LOG NO. 18
Bernal @ Del Mar, 1/2 way
between Borings 16 & 17
Location of Hole
Sheet 1 of 2

Project Moss Beach
Tract San Mateo Co.
Date 10/6/71
Logged by Dickey
Notes by Dickey

ALTITUDES	Log		ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
	Orientation			
		SOIL	Brn-black soil (Sdy clay)	Soft-Firm, Dry-Damp
		Qt.		
5		SD:	Brn., crs.-v/crs. gr.	Soft Damp
10		SILT:	Brn., sandy..	Soft Damp
		SD:	Lt.brn.,med-crs.gr., silty	Soft Moist
15		H ₂ O		H ₂ O
		SILT:	Blue-gy.	Damp-Firm
20		SD:	Gy.med.gr.	Soft - dry
		SD:	Lt. grn., fn-med. gr. Silty	
		SD:	Grey, med. gr. (a.a.) (To Firm)?	Soft-Dry Soft-Firm
25				
30		SD:	Gy., med., med:gr., well-sorted. Fri., clean	Firm - Dry
40				

F. BEACH LEIGHTON & ASSOCIATES

Top Hole Elev. _____ GEOLOGIC DRILLING LOG NO. 18 Project Moss Beach
 Hole Dia. _____ Tract _____
 Type of Rig _____ Date _____
 (See Abbreviation List attached) Location of Hole _____
 Sheet 2 of 2 Logged by _____
 Notes by _____

ELEVATION	Log	ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
40	Orientation	(Continued) SD (a.a.)	
	Qt.		
50	Qt.		
El. 60'	TP	SD & GVL: Grey fn.-crs. gr., w/pebbles, siltstone and cemented sandstone clasts.	
	Slt.	Grn. and gy. Mass., fractd.	Firm, Moist

	ELEVATION
Base of Terrace (Sand)	60.0
Top of Bedrock (Siltstone)	60.0

Top Hole Elev. 109
Hole Dia. 6"
Type of Rig F/Auger
(See Abbreviation List attached)

GEOLOGIC DRILLING LOG NO. 19
INTERSECTION OF SAN RAMON & MADRONE
Location of Hole
Sheet 1 of 1

Project Moss Beach
Tract San Mateo Co.
Date 10/6/71
Logged by Dickey
Notes by Dickey

ALTITUDES	Log		ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
	Orientation			
		Soil	Blk.-brn. clayey soil	Soft-Firm Damp
5		Qt		
		SD:	Yl-brn. clayey mtx.	Damp - Firm
10				
		12'	SILT: Grn. sandy w/clay mtx.	Soft Moist
15				
		17'		
20		SD & GVL:	Lt.brn., med.to v/crs. Scat. pebbles & cobbles in sdy.mtx.	Moist to wet
25				
		27'5"		
		GVL:	Tan gvl w/ siltstone pebbles	Wet - Firm
30		SD:	Grn. Med-crs.gr.	
		32±	Pholas Borings @ 32' in slt. clasts	
El. 76'	QT GR.		Lt.brn., wea. granitic rock, highly fractd. and broken	Firm-Moist
35		GR.		
40			Gy. granitic rock, highly fractd. unoxidized	

F. BEACH LEIGHTON & ASSOCIATES

Top Hole Elev. 109 GEOLOGIC DRILLING LOG NO. 20 Project Moss Beach
Hole Dia. 6" Tract San Mateo Co.
Type of Rig E/Auger 100' S of B-19(inter.SanRamon & Madrone) Date 10/6/71
(See Abbreviation List attached) Location of Hole Logged by Dickey
Sheet 1 of 1 Notes by Dickey

ALTITUDES	Log	ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
	Orientation		
	SOIL	Blk, clayey sand	
3'			
5	SD:	Clayey, yl.-brn. clayey sand	Damp - Firm
	Qt		
	SILT:	Lt.brn., clayey	
10	SD:	Yl-brn., clayey mtx.	Damp, Firm
	11'		
	SD:	Yl-brn., clayey, v/fn.gr.sd.	
15			
		Scat. pebbles	
			Wet - Firm
	SD:	Tan sand w/minor silt	
20	H ₂ O		
	22'	CLAY	
25	SD:	Brn-gy., silty	Wet-Firm
	27'		
	H ₂ O		
	SD:	Blue-gy. silty	Wet-Firm
30			
35			
37'	QT		
El. 72'	Slt	Dark grn-gy. siltstone (Purisima)	Hard - Damp
V. Hard		Dk.grn-gy., mass., conch.fractd.	
40	TD: 40'		

Top Hole Elev. 97'
Hole Dia. _____
Type of Rig F/Auger
(See Abbreviation List attached)

GEOLOGIC DRILLING LOG NO. 21
Los Banos 100' NE of Boring 8
Location of Hole
Sheet 1 of 2

Project Moss Beach
Tract San Mateo Co.
Date 10/6/71
Logged by Dickey
Notes by Dickey

ALTITUDES	Log		ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
	Orientation			
		SOIL	Brn. clayey silt & sand	Damp - Soft
		3'		
5		Qt	SAND: Brn., clayey	Damp - Firm
10				
15				
18'		SD:	Brn., silty, fn-med.gr.	Moist - Firm
20				
21'5"				
		SD:	Grn-brn., med-gr.	Moist-Wet Firm
5				
30			Scat. pebbles (Drilled rough, no return)	Wet - Firm
32'				
35		SD:	Lt.brn., med gr.	
38				
39				Firm

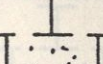
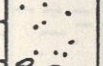
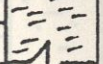
Top Hole Elev. 92'
 Hole Dia. 6"
 Type of Rig F/Auger
 (See Abbreviation List attached)

GEOLOGIC DRILLING LOG NO. 22
 Location of Hole
 Sheet 1 of 2

Project Moss Beach
 Tract San Mateo Co.
 Date 10/6/71
 Logged by Dickey
 Notes by Dickey

DEPTH	Log Orientation	ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
0		SOIL: Black, silty sand soil	
3'	QT.	SD: Yl-brn, clayey crs. gr.	Damp, Firm
5			
10			
13'		SD: Tan silty w/pebbles	Moist, Firm-Soft
15		SD: Tan w/silt	Firm, Damp
16'		SD: Tan, med. gr. (beach)	Soft, Damp
20		SD: Tan pebbly, w/ silt. pebbles	Damp, Firm
25			
28' 3"		SD: Tan med.to v/crs. gr. w/scat. pebbles	Damp, Firm
30		SD: Tan Mica. w/scat. pebbles	Damp, Firm
35			
40			

Top Hole Elev. _____ GEOLOGIC DRILLING LOG NO. 22 Project Moss Beach
 Hole Dia. _____ Tract _____
 Type of Rig _____ Date _____
 (See Abbreviation List attached) Location of Hole _____ Logged by _____
 Sheet 2 of 2 Notes by _____

ALTITUDES	Log Orientation	ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
40		Continued	Damp, Firm
		<u>SD:</u> (a.a.)	
45		<u>GVL:</u> Gy., w/pbls. of dk.brn. Slt.	Hard, Wet
Elev. 45'	Qt.		
	Slt.	<u>SLT:</u> Gy. & brn. siltstone & sandstone	Hard, Damp
		<u>TD:</u> 50'	

Top Hole Elev. 87'
Hole Dia. 6"
Type of Rig F/Auger
(See Abbreviation List attached)

GEOLOGIC DRILLING LOG NO. 23
Intersection of Orval & Beach
Location of Hole
Sheet 1 of 2

Project Moss Beach
Tract San Mateo
Date 10/6/71
Logged by Dickey
Notes by Dickey

ALTITUDES	Log		ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
	Orientation			
0		Soil	<u>SOIL:</u> Black organic sdy., silty.	Soft, Damp
3'		Qt.		
5			<u>SD:</u> Brn., clayey	
10				
15			<u>SD:</u> Brn., silty	Firm, Damp
16'			<u>SILT:</u> Brn.	
17'5"			<u>SD:</u> Grn. & tan mica.	Firm, Damp
19'5"			<u>SD:</u> Brn., silty	
22'				
25			<u>SD:</u> Brn., med. gr.	
27'			<u>SD:</u> Brn., mica., well-scat.	Wet, Firm
30				
35			<u>GVL:</u> Lt.brn., sahle pebbles in gravelly sd. mtx.	Hard
			<u>SD:</u> Brn., silty	Damp, Firm
40			<u>SD:</u> Brn., silty finely lam.	Wet

Top Hole Elev. _____ GEOLOGIC DRILLING LOG NO. 23 Project Moss Beach
 Hole Dia. _____ Tract _____
 Type of Rig _____ Date _____
 (See Abbreviation List attached) Location of Hole _____
 Sheet 2 of 2 Logged by _____
 Notes by _____

ALTITUDES	Log Orientation	ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
40		Continued	
42'		Silty <u>Sd</u> /Sdy. <u>Silt</u> : Brn., finely lam. silt & sd.	
44'			
45		<u>SD</u> : Gy., mica.	Damp-Wet Firm
50			
Elev. 36.5'		<u>QT</u> : 50' 5"	
Hard		<u>SLT</u> : Gy., w/fn.gr. ss.	Hard-v/hard
55		<u>TD</u> : 55'	

Top Hole Elev. 68'
 Hole Dia. 6"
 Type of Rig E/Auger
 (See Abbreviation List attached)

GEOLOGIC DRILLING LOG NO. 24
 Location of Hole
 Sheet 1 of 2

Project Moss Beach
 Tract San Mateo Co.
 Date 10/7/71
 Logged by Dickey
 Notes by Dickey

DEPTH	Log Orientation	ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
0		<u>SOIL:</u> Black, sdy. clay soil	
2		<u>SD:</u> Dk. brn., v/clayey sd/soil.	?
3'5"			
5		<u>SD:</u> Brn., clayey	
		<u>SD:</u> Blue-gy., mica.	Soft, damp
		<u>SD:</u> Brn., clayey	Firm, Damp
		<u>Silty Sd:</u>	Firm, Damp
10		<u>SILT:</u> Yl.-brn., sdy.	Firm, Damp
		<u>SD:</u> Blue-grn., silty.	Firm, Damp
15			
		<u>H₂O</u>	
20		<u>SD:</u> Tan & blue-grn., mica., silty	Wet - Firm
25			
		<u>SD:</u> Tan, silty, mica.	Soft - Firm
30			
35			
40			