

GEOLOGIC DRILLING LOG NO. 24
 Top Hole Elev. _____
 Hole Dia. _____
 Type of Rig _____
 (See Abbreviation List attached)
 Location of Hole
 Sheet 2 of 2
 Project Moss Beach
 Tract San Mateo Co.
 Date _____
 Logged by _____
 Notes by _____

ALTITUDES	Log	Orientation	ENGINEERING GEOLOGY DESCRIPTION		PHYSICAL CONDITION
			Qt.		
40				SD: Blue-grn. silty, mica.	Soft-Firm Wet ?
45					
50					
Hard			52'5"		
El 13'			SILT: Black, fn. gr., sandy		Hard-Stiff Moist
55			TD: 55'		
56					
57					
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98					
99					
100					

Top Hole Elev. 68.0'
Hole Dia. 6"
Type of Rig F/Auger
(See Abbreviation List attached)

GEOLOGIC DRILLING LOG NO. 25
On Marine 100' NE of Beach
Location of Hole
Sheet 1 of 2

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

ALTITUDES	Log Orientation	ENGINEERING GEOLOGY DESCRIPTION	PHYSICAL CONDITION
0		<u>SOIL:</u> Black, silty clay	Firm, Damp
5	Qt.	<u>SDY.SILT:</u> Gy., grn., sandy w/clay	
8'			
9'		<u>SILT:</u> Grn., w/clay & fn.gr.sand	Firm, Moist
10		<u>SILT:</u> Blue-grn., clayey, v/fn. gr.	Firm, Moist
15			
17'		<u>SILT & SD:</u> Blue, sandy to silty	Wet, Firm
20			
25			
28			
30		<u>SILT:</u> Blue, clayey, v/fine gr.	Wet, Firm
32			
33'		<u>SILT:</u> Blue-grn., sandy silt & sd.	Wet-Firm
33 1/2"		<u>SD:</u>	
34'		<u>GVL:</u>	
35			
36		<u>SD:</u> Blue-grn., silty	Wet-Firm

Top Hole Elev. _____
Hole Dia. _____
Type of Rig _____

(See Abbreviation List attached)

GEOLOGIC DRILLING LOG NO. 25

Project Moss Beach
Tract San Mateo
Date _____
Logged by _____
Notes by _____

Location of Hole
Sheet 2 of 2

ALTITUDES	Log	Orientation	ENGINEERING GEOLOGY DESCRIPTION		PHYSICAL CONDITION
			SD:	TD:	
40	Qt.	Stiffer	Continued		Firm - Wet
43'			SD: Rust-brn., silty, v/crs.		
45			SD: Blue-grn., silty		Firm - Wet
50			SD: Dk. gy., silty		Firm - Wet
55			TD: 55'		

Top Hole Elev. 87.0
 Hole Dia. 6"
 Type of Rig F/Auger
 See Abbreviation List attached)

GEOLOGIC DRILLING LOG NO. 26
 On the strand between View & Newport
 Aves., Doelger Property.
 Location of Hole
 Sheet 1 of 2

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

ALTITUDES	Log Orientation	ENGINEERING GEOLOGY DESCRIPTION		PHYSICAL CONDITION
0		SOIL: Brn., silty sand soil		Dry, Soft
2.5'	Qt.	SD: Y1-brn., clayey w/shell frags.		Dry - Firm
5		SD: Y1-brn., med-crs. gr. w/scat. pebbles.		Dry-Damp Firm
10				
15				
20				
25				
30				
(Added H ₂ O to hold up sides of hole) (No Return)				
"pretty stiff"				
35-40				
	37.5'	SD: Blue & tan, Mica.		
40				

Top Hole Elev. _____
 Hole Dia. _____
 Type of Rig _____
 (See Abbreviation List attached)

Location of Hole
Sheet 2 of 2

ALTITUDES	Log	Orientation	ENGINEERING GEOLOGY DESCRIPTION		PHYSICAL CONDITION
			SD:	GVL:	
40		Qt.	Continued		Firm-Damp
Pholad frags. Fd. on stem @ 43±			SD: Blue & tan, v/mica.	GVL: Blue, mica., sandy w/siltstone pebbles	Hard - V/hard
45			TD: 49'		
49					

Seal Cove - Moss Beach
County of San Mateo

October 15, 1971

SUMMARY OF AERIAL PHOTOGRAPHS
SEAL COVE - MOSS BEACH AREA

<u>Date</u>	<u>Flight</u>	<u>Photo Number</u>	<u>Scale</u>	<u>Agency</u>
1930	1471	1-6, 25-33	1"=1600'	Fairchild
1941	6660	1-11, 38-44 402-404	1"=2000'	Fairchild
1965	SM 10	47, 49 (281, 283)	1"=1000'	San Mateo Co.
1965 (5-17-65)	SM 12	91, 92, 93, 94 (19-22)	1"=1000'±	San Mateo Co.
1969 (2-25-69)	W6907	1-5, 6 1-1 to 1-6 2-1 to 2-4	1"=500'	Wahlen
1969 (10-18-69)	-	5-3, 4, 5	1"=1000'	VTN
1970	3224	13-1, 2, 3, 4	1"=2000'	Towill, Inc.

Seal Cove - Moss Beach
County of San Mateo

October 15, 1971

TABLE OF CLIFF RETREAT DATA

<u>Location</u>	Amount of Retreat in feet between: 1941-1965 1965-1970		Average (in feet per year)	USGS Estimate (in feet per year)
1) Foot of Bernal Ave.	10	20	1	1 to 1.5
2) Foot of San Lucas Ave.	10	19	1	No Data
3) Foot of Los Banos Ave.	10	13	0.8	1 to 1.5
4) North of Seal Cove Fault at Moss Beach	15	15	1	50 \pm feet in 57 yrs. (1914-1971)

Source of data above (except for U.S.G.S. data) are from stereoscopic
study of aerial photographs taken between 1941 and 1970 and listed below.

<u>Date</u>	<u>Flight</u>	<u>Scale</u>
3/23/41	6660	1 $''$ =2100'
5/17/65	SM-12	1 $''$ =1050'
6/30/70	3224	1 $''$ =2000'

October 15, 1971

GEOLOGICAL REFERENCES

FOR

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GEOLOGIC ABBREVIATIONS FOR SEAL COVE - MOSS BEACH

a.a. -- as above	c -- common	dist. or -- distributed
a.b. -- as below	calc. -- calcareous	distrib.
abdt. -- abundant	carb. -- carbonaceous	dk. -- dark
accum. -- accumulation	tbl. -- cobble	dkr. -- darker
ag. -- aggregate	cg. -- conglomerate	dolo. -- dolomite
altd. -- altered	cgatic. -- conglomeratic	elev. -- elevation
alter. -- alternating	clay -- clay	F -- fault attitude
ang. -- angular	clst. -- claystone	F.C. -- fault contact
approx. -- approximate	cmt. -- cement	FeO -- iron oxide
argil -- argillaceous	col. -- colluvium	ferr. -- ferruginous
ark. -- arkosic	comp. -- composition	fib. -- fibrous
assoc. -- associated	conc. -- concretion	fm. -- formation
att. -- attitude	conch. -- conchoidal	fn. -- fine, finely
avg. -- average	consol. -- consolidated (soils term)	fn.gr. -- fine-grained
B -- bedding attitude	cont. -- continuos	Forams. -- Foraminifera
band. -- banded	contort. -- contorted	fos. -- fossil
bd., bdd. -- bed, bedded	crm. -- cream	fossilif. -- fossiliferous
bdg. -- bedding	crmy. -- creamy	fract. -- fracture
bent. -- bentonite	crs. -- coarse	fractd. -- fractured
bl. -- black	cts. -- coatings	frag. -- fragment
blk. -- blocks	dcr. -- decrease	fragmtd. -- fragmented
blk. -- blocky	Dia. -- diatomaceous	fri. -- friable
blue -- blue	dia. -- diameter	fss. -- fissile
breccia. -- brecciated	diff. -- different, difference	fstd. -- frosted
brit. -- brittle	diffus. -- diffused	gen. -- generally
brn. -- brown	discont. -- discontinuous	gr. -- granitic
brn.-gr., etc. -- brownish-gray	displ. -- displacement or displace	grad. -- grading
C -- contact	dissem. -- disseminated	grada. -- gradational

Geologic Abbreviations - continued

gran. -- granular	lig. -- lignite	otc. -- outcrop
grn. -- green	li pn. -- limonite	ox. -- oxidized
gyl. -- gravel	lin. -- lineation	// -- parallel
gvly. -- gravelly	lit. -- little	
gy. -- gray	loc. -- local, locally	p. -- poorly
gyp. -- gypsum	long -- long	pbl. -- pebble
gypsif. -- gypsiferous	ls. -- limestone	pby. -- pebbly
H ₂ O -- water	lt. -- light	perm. -- permeable
hd. -- hard	mag. -- magnetite	pink -- pink
hi. -- high	mass. -- massive	plag. -- plagioclase
horiz. -- horizontal	mat. -- material	plast. -- plastic
ig. -- igneous	mdst. -- mudstone	p/lith. -- poorly lithified
incl. -- inclusion	med. -- medium	pocks. -- pockets
incompt. -- incompetent	met. -- metamorphic	por. -- porous
incr. -- increase	mica. -- micaceous	pos. -- possible (or possibly)
indis. -- indistinct	ml. -- marl	predom. -- predominant
indur. -- indurated	Mn. -- manganese	pt. -- part
intbd. -- interbedded	MnO -- manganese oxide	purp. -- purple
interst. -- interstices, interstitial	mod. -- moderately	pyr. -- pyrite
intmxed. -- intermixed	mot. -- mottled	Qal. -- alluvium
irreg. -- irregular	mtx. -- matrix	qtz. -- quartz
J -- joint	mvmt. -- movement	qtzse. -- quartzose
jtd. -- jointed	nod. -- nodules	qtzte. -- quartzite
l. -- loose	o. -- orange	R -- rupture
lam. -- laminated	occ. -- occasional	rand. -- random
len. -- lenses & lenticular	op. -- opaque	rdd. -- rounded
lg. -- large	oppos. -- opposite	red -- red

Geologic Abbreviations - continued

reg. -- regular	sort. -- sorted	wea. -- weathering
res. -- residue	sp. -- specimen	wht. -- white
resis. -- resistant	ss. -- sandstone	xl. -- crystal
rk. -- rock	stk. or strk. -- streak	xin. -- crystalline
rnd. -- round	stn. -- stain	yl. -- yellow
R.S. -- rupture surface	stng. -- staining	
rt/f -- root fibers	struct. -- structure	Notes: GEOLOGIC LOGS
rt/h -- root hairs	subang. -- subangular	
rt/t -- root tubules	sulf. -- sulphur	
S -- scarce	t/ -- the	
s/ -- some	Tn-bd. -- thin-bedded	Type of attitude indicated by preceding letter
sat. -- saturated	T.D. -- Total Depth	B = Bedding attitude
S.C. -- sample collected	tex. -- texture	J = Joint attitude
scat. -- scattered	tk. -- thick	F = Fault attitude
sd. -- sand	tub. -- tubular	C = Contact attitude
sdy. -- sandy	tuff. -- tuffaceous	R.S. = Rupture Surface
sec. -- secondary	unconf. -- unconformable	
sh. -- shale	undul. -- undulating	Representative attitudes are circled.
shy. -- shaly	v/ -- very	
sil. -- siliceous	var. -- variable	Generalized attitudes are underlined.
silt. -- silt	varicol. -- varicolored	
sl. -- slate	vert. -- vertical	
sl/ -- slightly	vug. -- vuggy	
Sl.D. -- slide debris (spell out & capitalize where critical)	w. -- well	
slicks. -- slickensides	w/ -- with	
lt. -- siltstone	w.lith. -- well lithified	
	w/o -- without	

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