DDH DI-4 PAGE 1 of 3

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 169'

Logged By: J. R. Rand 11/24/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0', 10'			
16.5' Top of Rock			
Breaks @.1' to 1' pieces on low angle joints (20')	65° joint; vuggy	most joints dip 35°-45° at various strikes. Some joints show slickenside effect. Rock is fresh, not rusty on joints. Minor Vuggy @ 23'-24'	coarse; fine — Quartz diorite, predominantly fine-grained, medium-dark-grey, massive texture
Core Broken on joints @ chips to .6' pieces (30', 40')	chips	Most joints @ 30°-40° dips @ close intervals from .1' to .6' apart. Rock is fresh, very minor dusty coatings on joints, but not rusty. Joints frequently show slickensides or smeared chlorite	intrusion breccia-welded — Quartz diorite, fine grained, medium dark grey, fairly massive but locally shows vague foliation texture. Narrow Veinlets sometimes show minor vuggy solution effects
Core is extensively broken into sliver-like chips. incipient slickensides? (50', 60')	65° joint; chips	65° joint shear attitude. Higher chlorite content. Rock is fairly fresh, but is softened by close-spaced shearing? Some minor vuggy openings, No rust	Becomes Coarser-grained — Quartz diorite, medium-coarse-grained. Rock is extensively broken in possible shear zone. Rock is inherently slippery due to chlorite. Minor stains but not Rusty.
Core Broken @.1' to .3' pieces (70') Minor light rust stains locally	chips	Rock is fresh, Minor vuggy on high-angle joints. Most such joints are not open-welded	Diorite, fine-grained dark grey locally with medium coarse grained quartz-diorite
		73' Base of vugs in Rock	
80		Rock is fresh, not vuggy	

DDH B-39 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 72'

Logged By: J. R. Rand 7/11/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0			1.5' Top of Rock
Breaks @ chips to .8' pieces	Chips, Chips	Rock is slightly weathered, pitted with weak rust staining on joints 60° to 70° joints @ 2' intervals	Diorite - light grey coarse grained
10'			
	Chips, chips		Diorite - medium dark grey, fine grained, massive
20'			pegmatite, quartz, feldspar with bull quartz in center
Breaks @ chips to 1.5' pieces	Chips in leg, Rusty	Rock is fresh - only occasional very minor rust staining on joints	Diorite dark grey fine grained, as above
30'			
			pegmatite veinlet
40' Breaks @ .1' to 2' pieces		Rock is fresh minor staining on joints	Diorite, Dark grey, fine grained, with occasional coarse-grained zones
			coarse
50'			coarse
Breaks @ chips to 3.5' pieces		Rock is fresh only minor rusty staining locally on joints	coarse
60'	Chips		Diorite dark grey, fine-grained, with occasional zones of intermixed light grey, coarse grained diorite
	Slight weathering, Chips	slight weathering @ 64'	coarse
70'		~~as shown~~	~~base~~ Bottom of Hole
80			

DDH B2- 7 PAGE 2 of 2

PROTECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 125.0'

Logged By: J. R. Rand 12/11/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
70'			
Breaks @ .1' to 1.5' pieces on low-angle joints (80'–90')	MOST JOINTS @ 20° TO 30° DIPS, @ .3' TO 1' INTERVALS; 85° TO 90° JOINT	Rock is fresh. Not rusty on joints. Some pyrite coatings on joints	DARK MICACEOUS ROCK NOT METASEDIMENTARY; Quartz diorite, predominantly micaceous (chloritic) fine-grained, dark-greenish grey
Broken on low angle joints @ .5' to 1' intervals (100'–110')	JOINTS ARE CLEAN, LOW ANGLE @ 20° TO 30°; 85° JOINT CALCITE FILLED NO SLICKENSIDES	Rock is fresh through-out	Quartz diorite, medium-coarse-grained, medium grey. locally intermixed with fine-grained diorite near top of section.
Good drilling Breaks @ wide intervals (110'–120')	CLEAN LOW ANGLE JOINTS; DRILLER	Rock is fresh through-out	Quartz diorite, intermixed coarse and fine grained rock types
125' Bottom of Hole			
130'			

DDH E1-1 PAGE 2 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION 28.9'

BEARING INCLINATION DEPTH 150.1'

Logged By: J. R. Rand 12/26/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
70'			
Breaks @ wide spaces @ .5' to 3' pieces	60° joint set minor rust slightly weathered	Rock is fresh. Low angle joints @ wide intervals, up to 3' apart. Minor rust and slight to moderate weathering localized on high angle joints.	Quartz diorite, mixed fine grained dark grey patches in coarse grained lighter grey matrix. Become fine grained below 87.5'
80'			FINE GRAINED
90'			
Breaks @.5' to 3' pieces	60° joint, minor rust; .1' Heavy rust, severely weathered 50° dip	Rock is fresh, joints are clean, 0.1' of soft severely weathered zone @ 95.0' to 95.4' depth	COARSE GRAINED; Low angle joints @ 30° to 90° dips @ .5' to 3' intervals; FINE GRAINED; 50° Foliation
100'			
Breaks @ chips to .8' pieces	vertical joint clean	Rock is fresh, locally rusty on joints. 119.7' to 120.8' is severely weathered zone. Soft, rusty, Rock in place but decomposed zone dips 45°	70° Contact TIGHT WELDED WITH CHILL ZONE; Diabase Dike, very fine grained, sub-black, dark olivine speckling
110'			
120' WEATHERED →	65° joints rusty; severe weathering on foliation for 1.1' of core; minor rust vuggy; 60° joint		65° CONTACT, TIGHT, WELDED, WITH CHILL ZONE; Quartz diorite, medium-fine-grained medium grey. Fairly massive texture
Breaks @ .1' to 3.5' pieces		Low angle joints @ about 30° dips	
130'	70° joint clean	Rock is fresh, not rusty on joints. Joints @ 30°	
Breaks @ .3' to 1.6' pieces		Rock is fresh, No rust on joints.	Low angle joints @ 1' to 2' intervals. Rock Drills well
140'			COARSE
	55° joint clean		
150'			150.1' Bottom of Hole

DDH E1-6 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION 20.300 N 79.400 E ELEVATION

BEARING INCLINATION DEPTH

Loggea By: J. R. Rand 12/27/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
			4'-Top of Rock
Core breaks @ chips to .8' pieces	70° joint Chips Rusty Chips 70° joint Chips slight weathering Rusty 55° joint Rusty	Rock is essentially fresh - locally slightly weathered on joints, minor rust - low angle joints dip 30° occur @ .2' to 1' intervals	Quartz diorite, mixed fine-grained, dark grey and coarse-grained light grey matrix pegmatite veinlet
			24' bottom of hole

0

10'

20'

30'

40'

DDH E1-2 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION 20.450 N 79.500 E ELEVATION 21.4'

BEARING INCLINATION DEPTH

Logged By: J. R. Rand 12/27/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0			7.2' Top of Rock
10' Breaks @ .1' to 2.2' pieces; Rusty 70° Jts, minor rust	Rock is fresh - minor rusty stains on joints to 14' depth - Low angle joints dip about 30° throughout	Porphyritic	Quartz diorite, mixed fine-grained, dark grey and coarse-grained light grey matrix rock - porphyritic toward base
20'			
30'			27.2' Bottom of Hole
40'			

DDH D1-4 PAGE 3 of 3

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 169'

Logged By: J. R. Rand 11/24/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
140'			
150' Core Broken as shown Breaks @.1' to .8' intervals	thin pynite smears; 60° joint, clean; Chips on some joints; No Rust or weather Staining	Rock is fresh. Locally joint surfaces are slippery with chlorite development. Most breaks in core on 25° to 30° low angle joints.	55° Quartz diorite, medium grey, medium coarse grained.
160'			Fine grained, dark grey, massive diorite
			167.3' INTRUSIVE CONTACT Quartz diorite, medium coarse grained
170'			169' Bottom

DDH D1-5 PAGE 1 01 1

PROJECT SEABROOK E/ STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION , DEPTH- 65.3'

Logged By: J. R. Rand 12/13/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			
10'			oulder- Quartz diorite, micaceous, foliated
			5.3' Top of Rock
Core is broken @ Chips to 1' pieces on low- and high-angle joints	Rusty 70° joint, rusty 70° joint, rusty, vuggy	Rock is fresh Minor rusty staining on joints At 25'-27' rock is subjected to vuggy solution effects.	edominantly ine-grained Quartz diorite, mixture of Coarse and Fine grained rock types 55° edominantly oarse-grained
20'			
30'			high angle (70°-75°) intrusive contact, welded
Core breaks @ Chips to .3' pieces on low- and high-angle joints	75° joint 70° joint 65° joints	Rock is fresh, Prominent rust formation on joints. Joints occur at .1' to .3' intervals	Diabase dike, dark grey to sub-black, fine grained, massive with pyrite specks and knots.
40'	80°-90° joint, chlorite smeared moderate weathering, heavy rust 70° joint, rusty		Rock closely jointed at various strikes and dips. Low angle (10°-30°) joints predominate.
Core Breaks @ .1' to 2' pieces on 20°-30° low angle joints	rusty 75° joint, rust coated	Rock is fresh. Rusty coatings on low angle and high angle joints at widespread intervals as shown.	
50'			
	75° joint, rust coated		Diabase dike, as above, massive, sub-black, fine grained rock.
60'			
			65.3' Bottom of Hole
70'			

DDH DI-6 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 33.0'

Logged By: J. R. Rand 12/17/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
			3.0' Top of Rock
Core Breaks on 30° joints @6" to 2' intervals	Rusty Rusty Rusty	Rock is fresh, Joints normally are clean, but locally have rusty coating as shown. Joints dip 30° to 40°. No high angle joints.	Quartz diorite, medium grained, medium-dark greenish grey, speckled texture, massive.
			Transitional Contact
			Quartz diorite, coarse grained light grey
			3.0' Bottom of Hole

0' 10' 20' 30' 40'

DDH D1-7 PAGE 1 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 118.7'

Logged By: J. R. Rand 12/12/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			
10'			
			15.4' Top of Rock
Broken @.1' to 2' pieces (20', 30')	Most joints @20°-30° dips; 80° joint, clean; 70° joint; 80°-90° curved joint; 60° joint	Rock is fresh, no rust on joints. Low angle (20°-30°) joints @ 1' to 2' intervals. High angle joints @ 1' to 4' intervals @ various orientations	medium coarse → Fine: Quartz diorite, predominantly fine grained, medium grey, locally, with high angle (70°-85°) foliation texture.
Breaks @.1' to 2' pieces (40', 50')	curved joint 70°-90°, pyrite; 60°-70° joints on foliation	Rock is fresh. Joints tend to lie on foliation planes, but also cross-cut foliation planes. Pyrite on joints	Quartz diorite, fine-grained, foliated. Jointing frequently follows biotite concentrations along foliation planes. Also cross-cuts foliation at 30°-40° dips.
Breaks @.2' to 2' pieces (60', 70')	80° joint; 60° joints; joints @ 50°-60° dips	Rock is fresh. Joints follow both high-angle foliation and 30°-40° low angle variable joint patterns. No rust. Pyrite on some joints.	Quartz diorite, as above. Fine-grained foliated at 60°-80° dips
80'			

DDH DI-7 PAGE 2 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 118.7'

Logged By: J. R. Rand 12/12/72

CONDITION OF CORE		DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
70'				
Breaks @.2' to 2' pieces	80° joint 65° joint	Rock is fresh. Joints @ 6" to 2' intervals @ 30°-40° dips. Occasional high-angle joints	45°	Quartz diorite, fine-grained, medium-grey, foliated. Foliation @ 45° to 70° dips. Rock parts on biotite foliations and across foliation at various attitudes
80'				
90'	80° joint 85° joint	Rock is fresh. Joints @ 10°-30° plus high angle. At 105'-106.5' Rock is weakened on joint/foliation. Not rusty, but may be moderately weathered		Quartz diorite, fine-grained, locally foliated, medium-grey
100'	Chips, not rusty			
110' Breaks @ 1' to 2' pieces	55° joint	Rock is fresh, breaks on 30°-40° joints @ 1' to 3' intervals		Fine-grained, only weakly foliated to massive texture
120'				118.7' Bottom of Hole

DDH DI-8 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 29.5

Logged By: J. R. Rand 12/11/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			
			3' Top of Rock
10' Core Broken into chips; CHIPS →	30° dipping joints @ 3"-6" intervals, slightly rusty	Rock is fairly fresh, rather highly jointed, which causes considerable chipping of core. Rock locally rusty on joints as shown	Quartz diorite, predominantly medium-fine-grained, locally foliated. Medium-grey color. Some minor vug development to about 20' depth. Foliation is very steep to vertical.
20' CHIPS →	70° joints, rusty		
	Joints not rusty, pyrite smeared		
30'			29.5' Bottom of Hole

DDH: D2-4 PAGE 1 OF 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH

Logged By: J. R. Rand 12/13/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			1.5' Top of Rock
Breaks @ .1' to 2' pieces on 30°-40° joints	70° joint, rusty Rusty	Rock is fresh. Breaks on 30°-40° dipping joints @ .3' to 1' intervals	Quartz diorite. Mixed fine-grained dark-grey micaceous rock in coarse-grained lighter grey matrix. Rock is foliated. Layering @ 60° dip
10'			anitic texture, foliated
20' .3' to 1.6' pieces	Rusty	Rock is fresh. Locally rusty staining on some joints.	Porphyritic quartz diorite, as at bottom of hole D2-4
30'			4.5' Bottom of Hole

DDH Di-10 PAGE 1 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH

Logged By: J. R. Rand 12/12/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			
10'		Boulders	
			12' Top of Rock
Broken @ Chips to 1' pieces	65° joint; 60°-70° joints; Chips; 30° joint	Rock is fresh. Rusty staining on some joints, not on all joints. Rock breaks normally on 30°-40° dipping joints @ 1' intervals	Quartz diorite, medium-coarse grained, light medium grey. Locally foliated @ High angle (60°-70°) dips.
20'			
		VERY FINE GRAINED ROCK	Relict quartzite layer, partially recrystallized by diorite (?)
30' Breaks @ .3' to 2' intervals on 30°-40° joints	Rusty joint	Rock is fresh. No rust on joints. High angle joints infrequent. Most breaks on 30°-40° joints	Quartz diorite, medium-coarse grained, medium light grey. Locally some foliation @ steep dips. Finer grained near top of section.
40'	60°-90° joint with pyrite		
50' Breaks @ .2' to 1.5' intervals	70°-90° joint with pyrite	Rock is fresh. Not rusty on joints. Most joints are @ 30° dips, not smooth. Some pyrite coatings on high angle joints	
			Finer grained
60'	Smooth 60° joint with pyrite		
Breaks @ .3' to 3' intervals			Finer grained
70'	65° joint	Rock is fresh, not rusty on joi As. Most breaks on low-angle 20°-30° joints.	Quartz diorite, fine-grained medium grey, foliated. Foliation is steep, 60°-90° and wavy
80'			

DDH DI-10 PAGE 2 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 112'

Logged By: J. R. Rand 12/12/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
80'			
Breaks @ Chips to 1' pieces 90' CHIPS	Broken on smooth 85°-90° joint	Rock is fresh. Breaks on low angle (10°-30°) joints High angle (85°-90°) joint set @ 90' depth has pyrite coating	very fine-grained rock, massive, welded Quartz diorite, fine-grained, medium-grey, foliated
100'			Becomes coarse-grained rock
Breaks @ .1' to .6' pieces throughout 110'	70°-90° rough joint	High angle joints are curved, have chlorite or biotite smooth surfaces with pyrite	
			112' Bottom of Hole
120'			

DDH D1-11 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 65.5'

Logged By: J. R. Rand 12/12/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			
10'			12.5' Top of Rock
Broken @ Chips to .6' pieces throughout	85° joint Joints are mostly low-angle @ 10°-30° dips	Rock is slightly weathered to 15' Rock is fresh, with minor rusty stains on joints locally to 18.7' Pyrite coatings on joints below 18.7'	Coarser-grained Finer ↓	Quartz diorite. Predominantly fine-medium grained, medium-grey with local foliation textures. Foliation @ 80° or steeper
20'				
30'				
Breaks @ .2' to 15' pieces		Rock is fresh. Breaks mostly on 10°-30° Low angle joints @ 1'-2' intervals		
40'	85° joint 85° joint		Coarser dark-greenish diorite	
50'	70° joint			Quartz diorite, predominantly fine-grained, not notably foliated. Local zones of coarser grained, dark greenish diorite.
Breaks @ .3' to 2' pieces		Rock is fresh. Joints @ 30°-40° dips @ 1' to 2' intervals	Coarser dark-greenish	
60'			65.5' Bottom of Hole	
70'				

DDH D1-12 PAGE 1 of 1

PROTECT SEABRCOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 29.5'

Logged By: J. R. Rand 12/13/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			
10' Rock **Breaks** @.3' to 1' pieces	Joints @ 30°-90° dips throughout	Rock is fresh. Minor rusty staining on some joints	1.5' Top of Rock icaceous Quartz diorite, fine grained, quite micaceous (biotite) in zones and knots, enclosed in coarse-grained quartz diorite matrix.
20' Breaks @.1' pieces	Rusty, slight weathering on joints	Rock is fresh, subject to minor weathering and rusty staining on joints.	icaceous rock Micaceous rock type is not apparently metasedimentary. Has rather massive texture
.5' to 1.3' pieces	65° joint	Rock is Fresh, Not Rusty	
30'			29.5' Bottom of Hole

DDH D2-1 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 31.0'

Logged By: J. R. Rand 12/12/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			
			Boulders - quartz diorite
10'			11' Top of Rock
Rock Breaks (@.1' to 1.5' pieces on low angle (30°) joints	85° joint	Rock is moderately weathered, rusty, vuggy	Quartz diorite, predominantly fine-grained medium grey, with occasional zones of coarser-grained, light-medium-grey matrix.
20'		Rock is fresh, minor rusty staining on some joints	
	.2' severe weathering, soft		Rock becomes a little Coarser grained
30' .1' to 1.4' pcs.	MINOR RUST ON ONE JOINT		
			11' Bottom of Hole
40'			

DDH D2-3 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 60.0'

Logged By: J. R. Rand

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVC NOTES
			25.2' Top of Rock
Core breaks on joints @ Chips to .5' pieces	Chips, minor rust; 65° joint, rusty; Rusty; 60° joint; CHIPS; RUSTY	Rock is slightly weathered to about 31'. Fresh below 31'. Joints show local rust coatings and some slight rock weathering	IABASE DIKE, WELDED CONTACTS DIP 60°; Quartz diorite, fairly coarse-grained, medium-grey micaceous; 5° intrusive contact, welded
Core Breaks @ Chips to 1' pieces	Chips, minor rust; Most joints @ 30°-40° dips; 65° joint	Rock is fairly fresh to fresh. Some dusty coating on joints. Feldspars a little discolored	Diabase dike, sub-black, fine-grained; 5° intrusive contact, welded; Quartz diorite, predominantly coarse-grained; UARTZITE INCLUSION (?); 5° intrusive contact, welded
Chips to 3.3' piece	Chips, minor rust; 60° joint, powder coating	Rock is fresh	edium-ine-grained; Diabase dike, sub-black, fine grained, crystalline; hill zone at base - Near a contact (?); 0.0' Bottom of Hole

0' 10' 20' 30' 40' 50' 60'

DDH D-2-4 PAGE 1 of 3

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 171.0'

Logged By: J. R. Rand 11/24/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			
10'			
20'			21.5' Top of Rock
Core is Broken @ places Shown in "Condition" Column	30° joint, smooth, clean, no rust; 30° joint, no rust; 28° joint, clean	Rock is fresh, not weathered. 65° foliation. Rock parts on 30° dip. Very thin veinlets. No slickensides	ine grained. Quartz diorite, medium-grey, medium-coarse-grained, with local fine-grained dark grey diorite zones as shown. Rock is predominantly finer-grained diorite. Fresh, crystalline
30'			
Breaks in Core as Shown		slight bleaching. Rock is strong. 60° foliation	ixed coarse and ine diorite; Fine-grained
40'			
50'	30° dip on veinlets in Breccia zone	Rock is fresh, as above	52.1' to 53.5' is welded, healed, solid breccia zone
60'		Core breaks are characteristically @ 30° dip attitudes	Diorite, as above, mixed coarse-grained light grey quartz diorite matrix, enclosing fine-grained, dark grey diorite inclusions.
70'			
Breaks in Core as Shown	Driller break	Rock is fresh, as above. Tends to part on 30° dipping joints, or very thin 30° veinlets	ine. Rock becomes predominantly coarse-grained, with relatively small zones of fine-grained diorite.
80'			

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH

Logged By: J. R. Rand 11/24/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
80			
88.2'			
90' Breaks in Core as Shown	Driller breaks; 60° joint, clean	Rock is fresh, as above. No rust or staining. Drills well throughout.	Quartz diorite, as above, predominantly coarse-grained medium grey, with occasional patches of fine-grained, dark grey diorite.
100'			
110' Breaks in Core as shown	Driller break; 30° joints; 65° joint, clean	No slickensides on joints; 60° foliation	
120'			
130' Breaks in Core as Shown	Driller break; Driller break; 45° joint	Breaks in core as shown are commonly on 30° dipping joints. 60° foliation. Joints are clean, not slickensided, and do not dip uniformly in one direction.	Quartz diorite, as above, predominantly coarse-grained.
140'			Fine-grained diorite
150'		Rock is fresh, as above.	0° veinlets, welded microfault, tight; coarse; 53.0' INTRUSIVE CONTACT, IRREGULAR AT 65° DIP
160'	Driller break		Porphyritic quartz diorite, coarse grained, massive texture, medium grey with slight greenish tings.

DDH D2-4 PAGE 3 of 3

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 171'

Logged, By: J. R. Rand 11/24/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
150'			
160'			
Core Broken as shown	Rock is fresh, not weathered		Porphyritic quartz-diorite, massive, coarse-grained, medium-grey.
170'			
			171' Bottom of Hole
180'			

DDH D2-5 PAGE 1 OF 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 65.0'

Logged By: J. R. Rand 12/11/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
10'			Boulder zone in overburden, fine-grained diorite 19.0' Top of Rock
20' Rock Breaks @.3' to 2' intervals on low angle joints	Joints are low-angle @20°-30°	Rock is fresh immediately below bedrock surface. 65° 60°	Quartz diorite, intermixed coarse- and fine-grained rock types. Locally foliated at high angle dips as shown.
30'			
Rock Breaks @.3' to 2' intervals on low-angle joints	Joints are predominantly low angle @20°-30°	Rock is fresh throughout. 60°	ine uartz vein
40'			
50' Rock Breaks @1' to 3' intervals	Slight weathering @ 57.0'	Rock is fresh.	= Fine
60'	← slight rust on open foliation plane	60°	Fine-grained quartz diorite, medium grey, massive, pepper-salt texture oarse 65' Bottom of Hole
70'			

DDH B 1 PAGE 2 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 99.2'

Logged By: J. R. Rand 7/10/72

	CONDITION OF CORE		DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
60'					
70'					
80'	Breaks @.1' to 1.5' pieces	Rusty	Rock is fresh. Good drilling. locally is minor rust. Stained on joints	+ + + + + +	Diabase - Dark-grey, fine-grained with small dark green phenoclyst speckling
		Rusty			
90'	Breaks @ Chips to .8' pieces	Rusty	Rock is fairly fresh to fresh. local rust on joints	+ + + + + +	Diabase - Dark-grey, fine grained with small dark-green phenocryst speckling
		Rusty			
		Rusty			
100'					99.2' Bottom of Hole
110'					

DDH B-7 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 34.3'

Logged By: J. R. Rand 7/12/72

CONDITION OF CORE		DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'				
10'				13' Top of Rock
Breaks @ Chips to 1.4' pieces	CHIPS CHIPS	Rock moderately weathered. Rusty stained. Minerals discolored. Rock is fairly fresh, showing rusty staining only on partings.		Diorite – coarse grained, light grey Porvohvritic
20'	CHIPS	80°		Mica Schist. very fine grained Grey. wavy foliation. Steep dip to foliation. (80°) Locally fine quartzitic rock.
30' Breaks @ .1' to 1' pieces		Rock is fresh with only minor rusty staining on some joints		Schist - fine grained grey mica Schist - sub-vertical foliation
				34.3' Bottom of Hole
40'				

DDH B-8 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 25.4'

Logged By: J. R. Rand 7/11/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			4.2' Top of Rock
Breaks @ Chips to .8' pieces	CHIPS	Rock is fresh with only minor rusty staining, slight mineral discoloration on some joints	COARSE — Diorite, fine-grained, Dark-grey, massive, with local intermix of coarse-grained light grey porphyritic diorite.
10'	CHIPS		
20'	CHIPS		COARSE
CHIPS TO .6' pieces	CHIPS	Slight to moderate weathering, Rust, DISCOLORED	COARSE — At base fine diorite is discolored to dull brown, (mod. weathering)
			25.4' Bottom of Hole
30"			
40"			

DDH B-13 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 31.0'

Logged By: J. R. Rand 7/11/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			
10'			11' Top of Rock
Breaks @.1' to 2' pieces	Rusty Rusty	Rock is fresh, Only minor rusty staining locally on joints. Joints @ 30° and 60° dips Rock is fresh Minor Rust Stains	Diorite, intermixed dark grey, fine grained rock and coarser grained, porphyritic light grey rock. COARSE COARSE Predominantly a fine-grained rock type.
20'			
30' .2' to .6' pcs.			MEDIUM DARK GREY FINE-GRAIN DIORITE 31' Bottom of Hole
40'			

DDH B-14 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 28.0'

Logged By: J. R. Rand 7/11/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			8' Top of Rock
10' Breaks @ Chips to 1.2' pieces	RUSTY CHIPS	Rock is fairly fresh, with only slight weathering on veinlets, and minor rusty stains on joints	Diorite, Dark-grey, Fine-grained type predominates
	CHIPS		COARSE
20'	CHIPS		COARSE
.1' to .8' pieces		Rock is fresh	COARSE COARSE Diorite, mixed dark grey, Fine-grained in light grey, Coarse-grained porphyritic
30'			8' Bottom of Hole.
40'			

DDH B-15 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 31.0'

Logged By: J. R. Rand 7/10/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0			Top of Rock 4' (?)
CHIPS ONLY (may be boulder zone)	May be boulder zone, rock is moderately weathered with dark brown rusty staining		Porphyritic Diorite (boulder?)
10' Chips to .2'			Diabase Dike(?) or Diabase boulder(?). Possible True Top of Rock: 13'
.5' to 1.5' pieces	70° joint 60° joint Rusty	Rock is fresh, No rust, joints not slickensided	Bedrock: porphyritic diorite with local zones of medium grey, fine grained diorite.
20' Broke @.1' to 1' intervals	Rusty pitted	Rock is fresh minor rust as shown	80° Min. Silicified zone
30'			31' Bottom of Hole
40'			

DDM B-17 PAGE 1 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 160.0'

Logged By: J. R. Rand

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
30'			
40'			
50'			
60'			50' Top of Rock
Core breaks in chips to .3' pieces throughout	Rock is slightly to moderately weathered, Local decomposition, some rusty staining on partings	35° 45°	Metasediment - feldspathic schist, locally quartzitic light grey fine grained rock - evenly foliated.
70'			
80'			
90'			

DDH B-17 PAGE 2 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 160.0'

Logged By: J. R. Rand

CONDITION OF CORE		DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
80'				
90' Breaks @ chips to .2' pieces throughout		Rock is moderately weathered throughout, somewhat softened, bleached, with dull iron staining on joints, tan bleaching in micas. Poor coring rock	40° 45°	Metasediment - fine-grained feldspathic schist, locally light grey quartzitic
100'				
110' Breaks @ chips to .4' pieces throughout	Chips throughout	Moderately weathered rock, somewhat bleached, Vuggy along foliation planes, Some light rusty staining Not a strong rock inherently	45° 50° 45°	Fine-grained, light grey feldspathic schist - Fairly evenly foliated rock
120'				
130'				
140' Breaks @ Chips to .8' pieces	CHIPS	Moderately to slightly weathered rock	50°	Feldspathic schist - locally interlayered with 1/4" quartzite beds
150'		Rock become fairly fresh	50°	
Chips to .6' pieces	CHIPS	Rock is fairly fresh, minor rust on partings	55°	Feldspathic schist, light grey, fine grained.
160'				160' Bottom of Hole

DDH B-19 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 67.0'

Logged By: J. R. Rand 7/10/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			
10'			
20'			
30'			
40'			
	Foliation Dip		47' Top of Rock
50' Rock Broken @ Chips to .3' pieces	OCCASIONALLY VUGGY	Rock is slightly weathered, discolored throughout, minor staining on joints and partings	Metasedimentary Rock feldspathic (quartzitic?) schist. Foliation wavy, variable. Light-grey, fine-grained — Rock breaks both on foliation and across core.
60'			
			67' Bottom of Hole
70'			

DDH B-20 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 100' 6"

Logged By: J. R. Rand 7/11/72

CONDITION OF CORE		DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
20', 30'				
				34' Top of Rock
CHIPS TO .4' pieces throughout (40', 50')	Rock is moderately to severely weathered throughout, bleached to light tannish grey. Soft, crumbly. No appreciable rusty staining	50°	welded fault in quartz	Predominantly metasediment. Quartzitic to feldspathic schist, fine-grained (bleached due to weathering), locally interlayered with bleached decomposed coarse-grained diorite (?)
				TRANSITIONAL (INTRUSIVE) CONTACT
(60')	Rock has little strength	50°		Diorite, coarse-grained porphyritic. Bleached to light tannish grey, locally layered,
Breaks @ chips to .5' pieces throughout (70', 80')	CHIPS; Rock is moderately weathered, breaks on and across foliation. No rust, but dull powdery stain on joints. CHIPS	45°, 50°		Gradational into feldspathic, quartzitic schist, light-grey fine to medium fine grained
Breaks @ chips to .6' pieces (90')	CHIPS, CHIPS, CHIPS; Rock appears slightly weathered. Some bleaching of feldspars, very minor rust on parting	50°, 50°		Metasediment - feldspathic schist, fairly fine-grained, evenly foliated. light to medium grey micas locally discolored to tan brown
100'				100' Bottom of Hole

DDH 3-21 PAGE 1 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 150.0'

Logged By: J. R. Rand 7/11/72 7/12/72

CONDITION OF CORE		DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0				
10'				
20'				
30'				32'
40'	Note: Smooth or polished surfaces seen on occasional joint planes. Not characteristic of whole rock.			Boulder zone: mixed diorite, granite and dark-grey massive quartzite boulders
50'				50' Base of Boulders - Top of Rock
60'	Breaks @ Chips to .5' pieces CHIPS CHIPS SLICKENSIDES CHIPS	Rock is slightly weathered, some rusty staining on joints and partings, minor solution effects	40° 50°	Schist - feldspathic, locally quartzitic. Light-grey, fine-grained evenly foliated rock Quartzitic
70'	Chips to 1' pieces CHIPS CHIPS CHIPS	Rock is fairly fresh throughout minor powdery stains on partings Minor slickensides on joints	50°	Feldspathic Schist - quartzitic Fine-grained, light grey evenly foliated.
80'				

DDH B-21 PAGE 2 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 150.0'

Logged By: J. R. Rand 7/12/72

CONDITION OF CORE		DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
70				
80' Breaks @ Chips to .2' pieces throughout 90'	CHIPS CHIPS CHIPS	Rock is fairly fresh but poor drilling — Parts on both joints and partings Local minor rust staining	55° 45°	Schist, feldspathic as below
100' Breaks @ Chips to .6' pieces throughout 110'	CHIPS CHIPS CHIPS CHIPS	Rock is fairly fresh throughout locally subject to Rosty staining on joints and partings	55° 50°	Schist, feldspathic, may be quartzitic locally. Fine-grained, light grey Evenly·Foliated
120' Breaks @ Chips to .8' pieces 130'	CHIPS CHIPS STAINED SLICKENSIDES CHIPS	Rock is fairly fresh throughout, subject to light staining on joints and partings Some joints show slickensides covered with powder coating	45° 50°	Schist, feldspathic, light grey, fine grained. Local feldspar stringers Rock is evenly foliated Quartzitic/Feldspathic eldspathic eldspathic
140' Breaks @ Chips to .6' pieces Chips to .8' pieces 150'	CHIPS CHIPS	Rock is fresh, minor staining on joints, breaks on both joints and partings Rock is fairly fresh through out.	50° 45°	Feldspathic schist, light-medium-grey, fine grained, Evenly foliated rock
		Note: some minor polishing on joints — not characteristically fault slickensides		150' Bottom of Hole

DDH B-23 PAGE 1 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 176.0'

Logged By: J.R.Rand 7/12/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
40'			
50'			50.2'
60'			Boulder zone: mixed diorite, diabase and grey massive quartzite boulders. Not much weathering
70'			67'
			76' Top of Rock
80' Breaks @ chips to .5' pieces	CHIPS; MODERATE WEATHERING; CHIPS; CHIPS	Rock is slightly weathered, minor discoloration, local rusty staining and solution effects on joints and partings	Schist, feldspathic and quartzitic. Light-grey fine-grained, evenly foliated
90'	VUGS; CHIPS	50°; 45°	
Chips to 8' pieces		Rock is fairly fresh. Minor staining and minor local feldspar discoloration	Schist, feldspathic and quartzitic. Light-grey, fine-grained, evenly foliated
100'	CHIPS	57°; FELDSPATHIC; FELDSPATHIC	
Chips to .7' pieces 4	CHIPS; CHIPS	55°	
110'			
120'			

DDH 8-23 PAGE 2 or 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 176.0'

Logged By: J. R. Rand

CONDITION OF CORE		DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
100'				
110'				
CHIPS to .5' pieces	CHIPS CHIPS CHIPS CHIPS, VUGGY CHIPS	Rock is slightly weathered locally. Stain on joints. Occasional solution effects	ELDSPATHIC ELDSPATHIC 55° 58°	Schist - feldspathic, Quartzitic, light-grey, fine-grained, evenly foliated (NO MOVEMENT ON DIABASE CONTACTS) INTRUSIVE CONTACT. NO DISPLACEMENT EVIDENCE
Breaks @ Chips to .5' pieces	CHIPS, BLEACHED CHIPS'	Rock fairly fresh to slightly weathered. Rusty staining on some joints Slightly weathered in metasediment	ROCK IS BLEACHED (CHILLED ZONE ?) TO TAN	Diabase - fine grained, sub-black, phenocryst speckling CONTACT DIPS 55° NORMAL TO SCHISTOCITY NO DISPLACEMENT EVIDENCE ON CONTACT
Breaks @ Chips to .4' pieces	CHIPS CHIPS CHIPS	Rock is fairly fresh to slightly weathered. Some powdery staining on joints and partings. Some rust stains locally	EGMATITE VEINLET 60° 45°	Schist - Quartzitic, somewhat feldspathic, fine-grained, medium light-grey. Evenly foliated
.1' to .6' pieces		Rock is fresh		Diabase - fine grained dark-grey to black. Speckled phenocrysts
				176' Bottom of Hole
180				

DDH B-24 PAGE 1 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 121.0'

Logged By: J. R Rand 1/7/1 2/7/1

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0			
10'			
20'			21' Top of Rock
Breaks @ Chips to 1.4' pieces	SOFT, RUSTY, HIGHLY WEATHERED; RUST; CHIPS	Rock is moderately weathered throughout, locally severe weathering on joints: Rock fairly compact internally. High angle joints @ 1' to 4' intervals	Diorite, intermixed fine-grained, dark-grey massive and coarse-grained light grey; FINE; PREDOMINANTLY FINE GRAINED
30'			
40'			
Breaks @ Chips to 1.2' pieces	RUSTY; CHIPS, BLEACHED; CHIPS; SEVERE WEATHERING, RUST; RUSTY JOINT	Rock is moderately weathered throughout. Some feldspars bleached, discolored to tannish. Local Highly weathered rusty zones	Diorite, porphyritic, medium coarse-grained, medium dark-grey. Subject to narrow veining @ 6" to 1' intervals. Veins dip 55°-60°. All veins discolored tan by weathering. Rock is fairly compact, weathering not withstanding
50'			
60'			
Breaks @ Chips to 2' pieces	CHIPS, SOFT; CHIPS; SOFT, RUSTY	Rock is moderately weathered throughout. Feldspar veinlets discolored to tan. Some solution effects. Vugs	Ditto as above; WELDED BRECCIA-TIGHT STRUCTURE WITH SURFACE WEATHERED EFFECTS
70'			
80'			

DDH B-24 PAGE 2 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 121.0'

Logged By: J. R. Rand 7/11/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
70'			
80' Breaks @ .3' to 1.5' pieces	RUSTY, WEATHERING	Rock is slightly to moderately weathered. Minor pitting; veinlets discolored to tan. Local rusty zones on joints	Intermixed fine-grained Dark-grey Diorite and light grey coarse-grained Diorite. Fine-grained rock type predominates. Rock discolored a little by weathering.
90'			
100' Breaks @ Chips to 1.5' pieces	CHIPS, CHIPS	Rock is slightly to moderately weathered. Minor pitting. Feldspar veinlets are discolored to tan. Rock not notably weak.	FINE, FINE, FINE
110' Chips to 1.5' pieces	MODERATE WEATHERING, RUST; MODERATE WEATHERING, RUST	Rock is slightly to moderately weathered throughout. Feldspars discolored in veinlets. Local rusty zones on joints	FINE, FINE (SLIGHT TO MODERATE WEATHERING – COMPACT) Intermixed fine- and coarse-grained Diorite. High angles veining at 6" to 1' intervals. Rock is discolored by weathering.
120'			121' Bottom of Hole
130'			

DDH B-26 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 23.0'

Logged By: J. R. Rand 7/11/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			3' Top of Rock
Breaks @ Chips to 2.5' pieces	CHIPS, RUSTY CHIPS, RUSTY CHIPS, RUSTY CHIPS, RUSTY	Rock is fresh subject to local rusty staining on joints. High angle joints @ 5' intervals	FINE FINE FINE FINE FINE FINE Diorite - Fine-grained, dark-grey, intermixed with light-grey, coarse-grained granitic rock (Diorite?)
10'			
20'			
			23' Bottom of Hole
30'			

DDH B-28 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 23.7'

Logged By: J. R. Rand 7/12/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			4' Top of Rock
Breaks @ chips to .8' pieces	SANDSEAM CHIPS, SOFT SAND SEAM CHIPS CHIPS	FINE	DIABASE-(BOULDER?) Rock is slightly to moderately weathered throughout. Some rock De-composition, and heavy rust on high angle joints. Diorite - intermixed dark-grey, fine-grained and coarse grained, light grey. Rock is predominantly coarse-grained type.
10'			
20'		FINE	23.7' Bottom of Hole
30'			Note: Rock weathering and rust appears due to surface weathering. Between weathered zones rock is fairly fresh internally.

DDH B-30 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 27.0'

Logged By: J. R. Rand 7/10/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			
	FOLIATION		7' Top of Rock
10' Breaks @ .1' to 2' pieces	50° joint	Rock is fresh, only local rusty staining on joints. Mostly Low angle (30°) joints	Diorite, medium grey, medium coarse-grained, locally with foliated grey granite zones.
	30° joint	60°	
20'			
1' to 1.5' pieces	30° joint	Rock is fresh. Biotite may be slightly weathered	Porphyritic Diorite, Biotite Spotting
30'			27' Bottom of Hole

DDH 6-31 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 23.0'

Logged By: J. R. Rand 7/10/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			3' Top of Rock
Breaks @ Chips to 1' pieces	CHIPS CHIPS CHIPS	Rock is slightly weathered, subject to brown iron staining on joints @ 6" to 1' intervals	COARSE COARSE COARSE COARSE FINE-GRAINED DIORITE
10'			Diorite - intermixed dark-grey fine-grained and light-grey coarse-grained types. Coarser-grained rock tends to weather more than Fine-grained
20'			
.1' to .8' pieces	RUSTY VERTICAL JOINT		Porphyritic Diorite
			23' Bottom OF Rock
30'		Rock is fresh but rusty staining on joints to bottom. Biotite is slightly weathered to show rusty brown streak No slickensides	

DDH 8-35 PAGE I of I

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 41.6'

Logged By: J. R. Rand 7/10/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			2.5' Top of Rock
Rock Broken @ chips to 1' pieces	CHIPS, CHIPS, CHIPS, CHIPS	Rock is fresh internally. Iron and manganese staining on closely spaced joints	Diorite – fine-grained, medium-dark grey. Occasional small white phenocrysts
10', 20'			
Breaks @ .2' to 1' intervals	25° joint, 50° joint, 60° joint (minor pyrite), MINOR RUST	Rock is fresh. Minor rusty staining locally on joints. Joints not slickensided	Generally fine-grained, medium-light grey Diorite with local zones of porphyritic Diorite
30'			
40' .2' to 1.2' intervals		DRUSY QUARTZ AND CALCITE LINED VUG	
			41.6' Bottom of Hole
50'			

DDH B-37 PAGE 1 of 1

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 44.0'

Logged By: J. R. Rand 7/10/72

CONDITION OF CORE		DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'				6' Top of Rock
Breaks @ chips to 1' pieces (10')	CHIPS; 70° joint	Rock is fresh Some slight weathering and iron staining on joints. Joints @ 30° dip @ 1'-4' intervals	COARSE	Diorite – medium fine-grained medium dark-grey, massive
Breaks @ Chips to 1' pieces (20')	CHIPS; MODERATE WEATHERING WITH RUSTY JOINTS; 65° joint	Rock is generally fresh with thin rusty staining on joints.	PEGMATITE	Medium fine grained medium grey massive Diorite
Breaks @ Chips to 1' pieces (30')	MINOR RUST; 65° joint	Rock is fresh. No rust except as shown. No Slickenside		High angle joints @ about 1' intervals
Breaks @ Chips to 1' pieces (40')	CHIPS	Rock is fresh Not rusty on joints	PEGMATITE	WITH GARNET, TOURMALINE(?) AND FINE SULPHIDE STRINGERS
				44' Bottom of Hole
50'				

DDH B-38 PAGE 1 of 2

PROJECT SEABROOK STATION

HOLE LOCATION ELEVATION

BEARING INCLINATION DEPTH 152.5'

Logged By: J. R. Rand 7/10/72

CONDITION OF CORE	DIP	GRAPHIC LOG	DESCRIPTIVE NOTES
0'			2.3' Top of Rock Fine Grained medium grey diorite
Chips to .6' pieces	CHIPS	Rock is mostly fresh, with local moderately weathered zones adjacent to joints	Coarse grained Diorite, light grey with rare patches of fine-grained grey diorite
10' 2' pieces	SLIGHT WEATHERING		FINE
	SLIGHT WEATHERING	Rock is fresh except as noted	
20' Broken in Chips to 3' pieces	CHIPS		FINE Coarse grained rock appears a little later than the fine-grained rock
		Minor local rust on joints	FINE
30'	CHIPS, RUSTY		
Rock Breaks @.1' to 1.5' intervals			
40'			CONTACT 65° — DIABASE CUTS DIORITE ON INTRUSIVE CONTACT
		Rock is fresh Minor rust locally on joints	CHILLED Diabase, Dark grey, fine-grained with dark green phenocryst speckling and occasional patches of epidote
50'			
			CONTACT 60°-70° — DIORITE CHILLED
Breaks @ Chips to 1.2' pieces			Diorite - mixed coarse and fine grained rock
60'	CHIPS	Rock is fresh Very little staining on joints	CONTACT 60°
			Diabase Dike CONTACT 65°
70'			Diorite, Mixed coarse and fine grained rocks
80'			