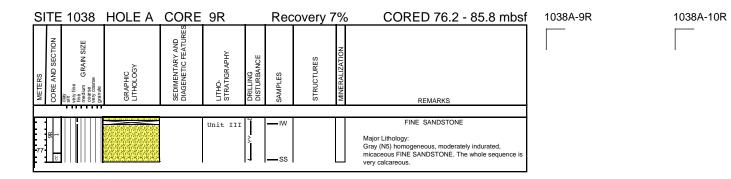


S	SITE 1038 HOLE A CORE 5R						Recovery 0%			CORED 37.6 - 47.3 mbsf
METERS	CORE AND SECTION	Clay very fine fine medium GRAIN SIZE coarse very coarse granule	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
L										
38	58		$\times$			^^				MASSIVE SULFIDE  Major Lithology: Probable fall-in from above. Compact massive pyrite.

1038A-6R NO RECOVERY

1038A-7R NO RECOVERY

SITE 1038	SITE 1038 HOLE A CORE 8R				Recov	ery 10	)%	CORED 66.6 - 76.2 mbsf
METERS  CORE AND SECTION  CORE AND SECTION  Only  Individual or the first or the fi	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
.67] ≝ ⊣		3	Unit II	<u></u>	<b>—</b> \$\$			CLAYSTONE and CLAYEY SANDY SILTSTONE  Major Lithologies: Dark gray (N4) calcareous CLAYSTONE with abundant nannofossils and black fossilized wood(?). Interval 169-1038-8.R-1, 64-80 cm, is gray (N5), bioturbated CLAYEY SANDY SILTSTONE.

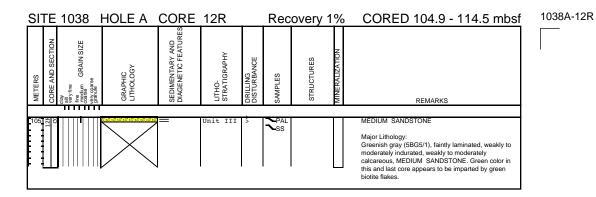


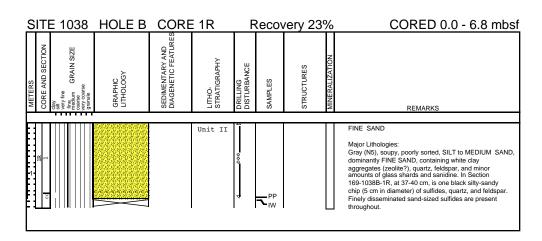
	SITE	1038	HOLE A	CORE	10R		Red	covery	0%	6 CORED 85.8 - 95.4 mbsf
	METERS CORE AND SECTION	caby self fire fire fire medium GRAIN SIZE voir coarse voir coarse	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
ſ										
	86 I OR									MASSIVE SULFIDE  Major Lithology:  MASSIVE SULFIDE, one piece that fell into the hole.

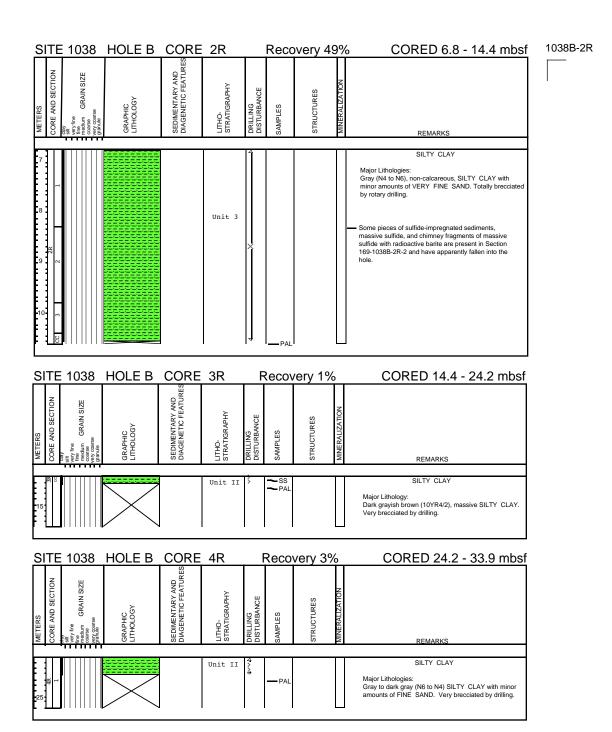
S	SITE 1038 HOLE A			CORE	11R	_	Rec	overy	1%	CORED 95.4 - 104.9 mbsf
METERS	CORE AND SECTION	clay sit wery fine fine medium GRAIN SIZE coarse wery coarse	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
96	118				Unit III	*	SS			MEDIUM SANDSTONE  Major Lithology: Greenish gray (5BG5/1), weakly to moderately indurated, calcareous MEDIUM SANDSTONE.

1038A-11R

1038B-1R





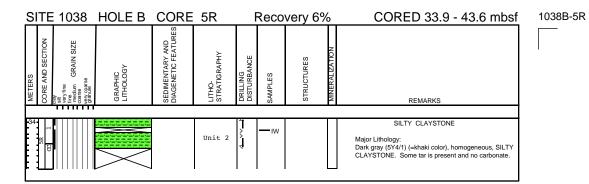


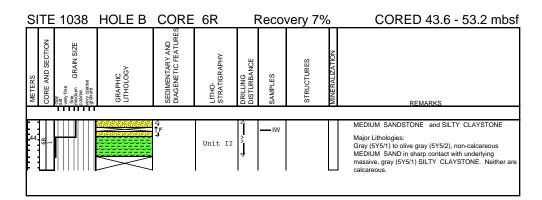
1038B-3R

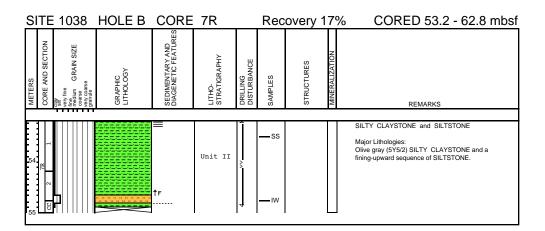
1038B-4R

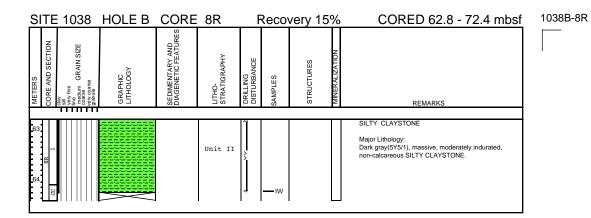
1038B-6R

1038B-7R









5	SITE	1038	HOLE B	CORE	9R		Rec	overy 6	6%	CORED 72.4 - 82.0 mbsf
	CORE AND SECTION	clay set wery free fine medium GRAIN SIZE coarse very coarse	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
L										
-7	28 9R CC 1			Î † F	Unit III		<b>—</b> PAL			MEDIUM to COARSE SANDSTONE  Major Lithologies: Dark gray (5Y5/1) to olive gray (5Y5/2), non-calcareous, moderately inurated, MEDIUM to COARSE SANDSTONE. Also there is non-calcareous, moderately indurated SILTY CLAYSTONE at the top of Section 169-1038B-9R-1 and mixed into the core catcher.

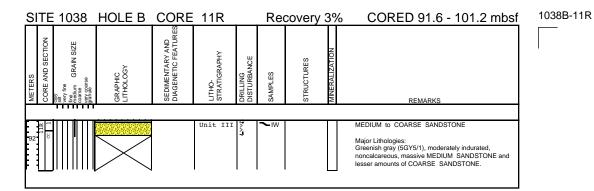
3	SITE	1038	HOLE B	10R	F	Reco	very 0	%	CORED 82.0 - 91.6 mbsf	
0 0 1	CORE AND SECTION	clay sait very fine fine medium GRAIN SIZE coarse coarse granule	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
	10R				Unit III	Š				SILTY CLAYSTONE  Major Lithology: Dark gray (5Y5/1), moderately indurated, non-calcareous, massive SILTY CLAYSTONE.

1038B-10R

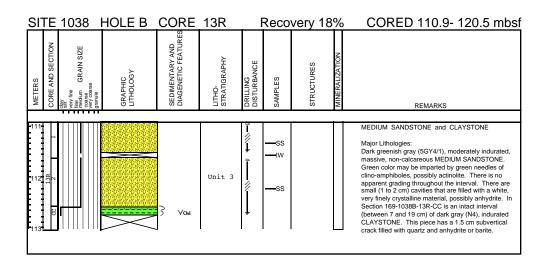
1038B-9R

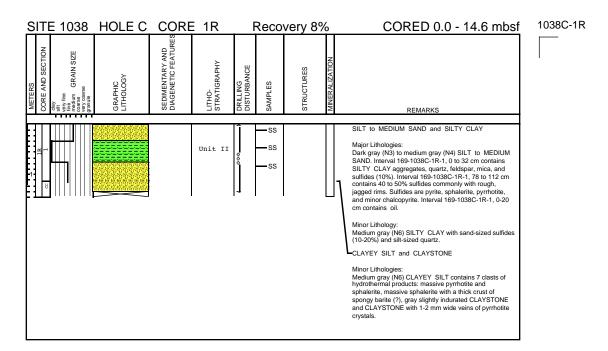
1038B-12R

1038B-13R



SIT	E 1038	HOLE B	CORE	12R		Red	covery	3%	CORED 101.2 - 110.9 mbsf
SS.	CORE AND SECTION old gill general service way fine medium GRAIN SIZE medium GRAIN SIZE oray coarse	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
1				Unit III	`	IW		11	MEDIUM SANDSTONE
102	1 T				\$				Major Lithology: Greenish gray (5Y5/1) MEDIUM SANDSTONE.



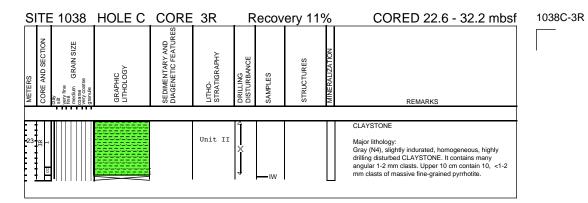


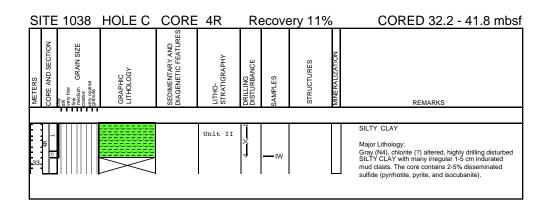
S	TE	1038	HOLE C		2R		Reco	very 1	%	CORED 14.6 - 22.6 mbsf
METERS	CORE AND SECTION	Sulf and the fine fine fine fine medium GRAIN SIZE coarse very coarse granule	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
15	2R cc									MASSIVE SULFIDE and MUD  Major Lithologies: Two clasts of massive pyrrhotite + sphalerite + isocubanite + barite + pyrite in gray (N4) MUD.  MASSIVE SULFIDE clasts have a compact texture with some bands and edges which have a higher proportion of sphalerite, isocubanite, and barite. The bulk of the clasts are composed of interlocking fresh pyrrhotite crystals.

1038C-2R

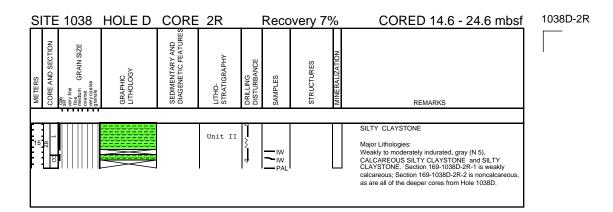
1038D-1R

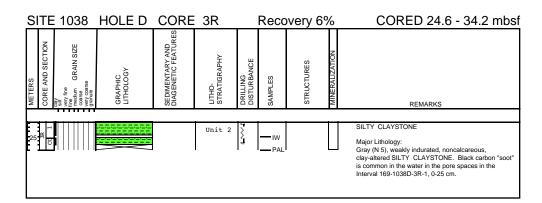
1038C-4R





SITE 1038	HOLE D	CORE	1R	F	Recov	ery 1	1%	CORED 0.0 - 14.6 mbsf
METERS CORE AND SECTION Gay sold fine medium GRAIN SIZE coarse very coarse	grante GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
1111111	1							
स स			Unit II	<u></u>	—SS			CALCAREOUS SILTY CLAY (CLAYSTONE)  Major Lithologies: Weakly to moderately indurated, gray (N 5), CALCAREOUS SILTY CLAY to CALCAREOUS SILTY CLAYSTONE. Magnetic susceptibilty is extremely low in this core.





5	SITE 1038 HOLE D CORE 4R					Reco	very 2	2%	CORED 34.2 - 43.8 mbsf	
METERS	CORE AND SECTION	clay silf very fine finedium GRAIN SIZE ocarse very coarse granule	GRAРНІС LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
3	4R				Unit II	<b> </b>	—IW —PAL			FINE SANDSTONE and SILTY CLAYSTONE  Major lithologies: In this core 10 cm of weakly indurated, olive gray (5Y 5/1), noncalcareous, FINE SANDSTONE overlies 10 cm of weakly indurated, gray (N 5), noncalareous, but highly altered SILTY CLAYSTONE. Black carbon "soot" is present in the water in the core voids.

1038D-3R

1038D-4R

SI	ΓE 1038	HOLE E	CORE	1R		Reco	very 0	.5%	CORED 0.0 - 13.3 mbsf
METERS	8 8	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
1 1R	г								MASSIVE SULFIDE  Major Lithology: Three pieces of massive, fine-grained, slightly porous pyrhotile and pyrite with minor sphalerite and trace of anhydrite.

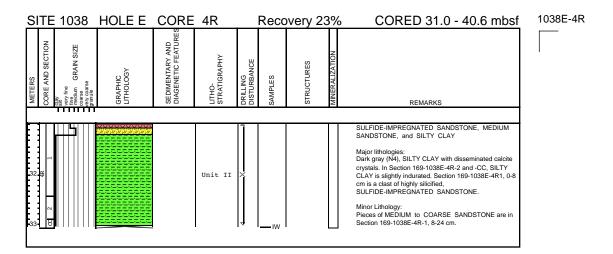
1038E-1R

1038E-2R

1038E-3R

<u>s</u>	ITE	1038	HOLE E	CORE	2R	R	ecov	ery 1%	, 0	CORED 13.3 - 21.4 mbsf
METERS	CORE AND SECTION	Silf silf very fine fine medum GRAIN SIZE coarse very coarse granule	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
14	ZR 1									MASSIVE SULFIDE and SULFIDE-VEINED CLAYSTONE  Major Lithologies: Three pieces of MASSIVE SULFIDE (pyrrhotite and minor pyrite, sphalerite) and strongly altered SULFIDE-VEINED CLAYSTONE (25% sulfide). Barite may be included in some crystals.

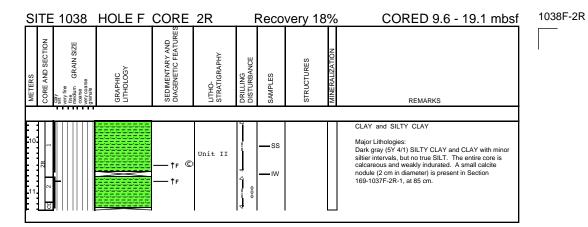
SI	TE	1038	HOLE E	CORE	3R		Reco	very 0	).1%	CORED 21.4 - 31.0 mbsf
METERS	CORE AND SECTION	Clay very fine fine medium coarse granule	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
22	3R 1									MASSIVE SULFIDE  Major Lithology: One piece of MASSIVE SULFIDE with a very fine-grained pyrrhotitle "core," to a central fine-grained pyrite (95%) with minor fine-grained black sphalerite (5%) to an outer rim zone of 1-2 mm hexagonal pyrrhotite plates in a mesh texture.

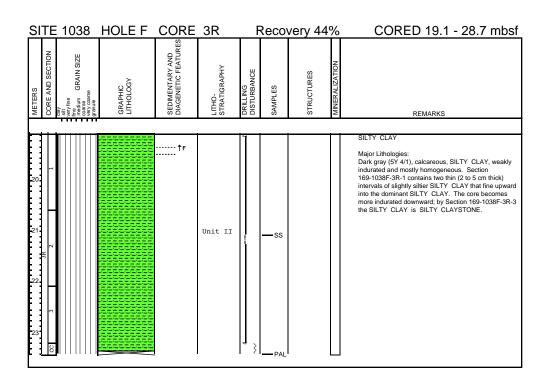


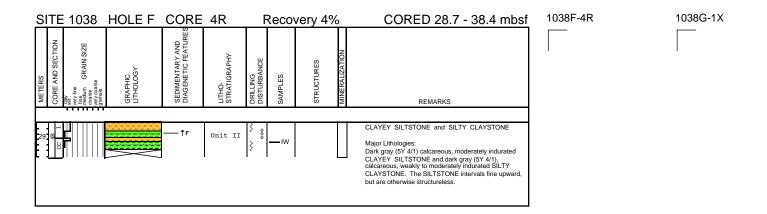
SI	TE 1038	HOLE F	CORE	1R		Rec	overy	1%	CORED 0.0 - 9.6 mbsf
SS	CORE AND SECTION  Gay silf very fine fine coarse very coarse		SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
	8			Unit II	}				CLAY Major lithology: Dark gray (5Y 4/1) CLAY, homogeneous.

1038F-1R

1038F-3R





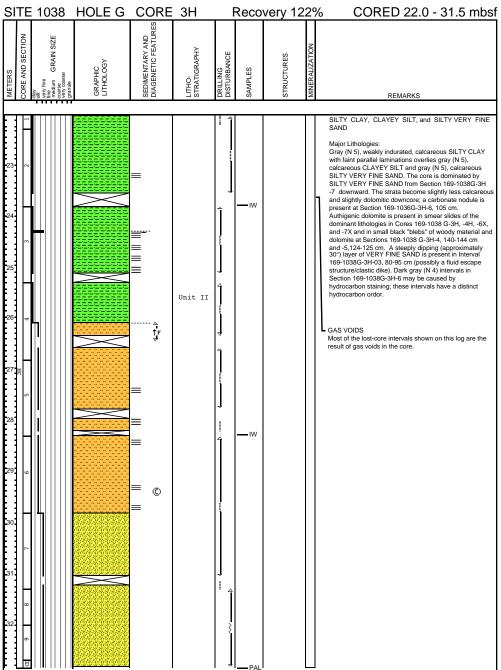


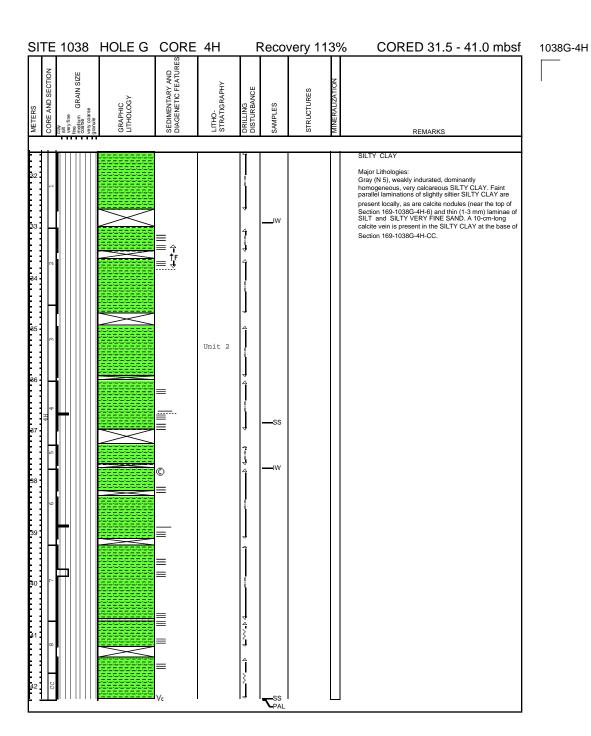
SIT	E 1038	HOLE G CORE 1		1X	Recovery 0%				CORED 0.0 - 12.2 mbsf
METERS CORE AND SECTION	GRA	GRAРНІС LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
	•		000						CARBONATE NODULES
1									Major Lithology: This core consists of three bluish to greenish gray (5B 6/1 to 5GY 4/1) CALCITE NODULES, probably cementing clay. The center of one of the nodules is dark greenish gray (5GY 4/1) and well silicified.

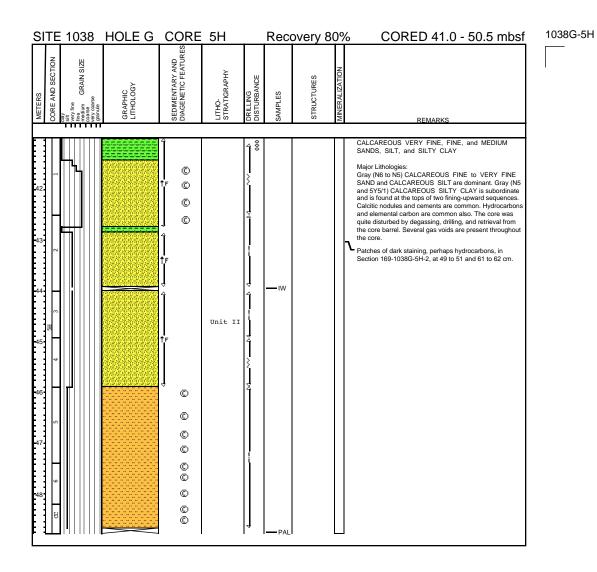
SITE	1038	HOLE G	CORE	2X		Reco	very 1	%	CORED 12.2 - 22.0 mbsf
METERS CORE AND SECTION	olay very fine fine medium GRAIN SIZE coarse very coarse	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
13	3		©						CARBONATE NODULES  Major Lithology: This core, like the one above it (Core 169-1038G-1X), consists of three CALCITE NODULES. The nodules are greenish gray (5GY 5/1) and have darker green, silicified interiors.

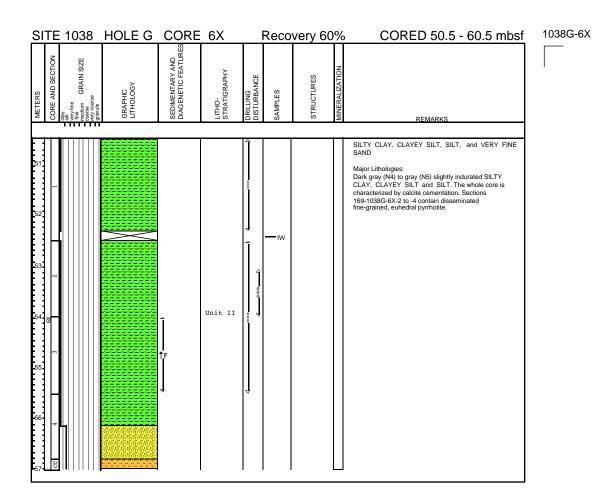
1038G-2X

SITE 1038







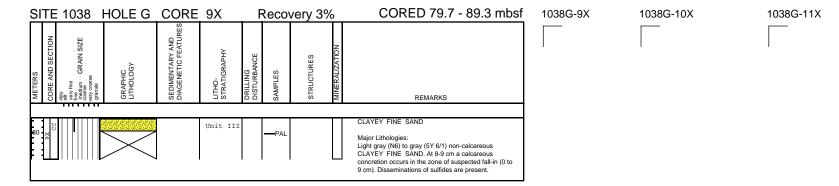


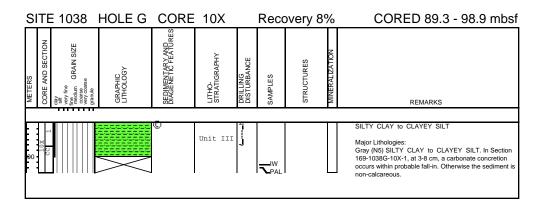
SITE 1038

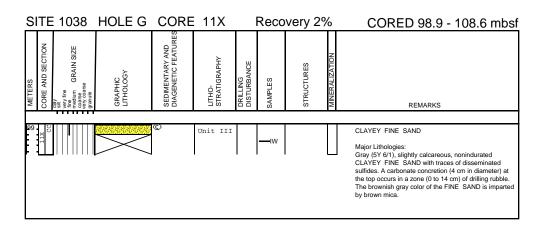
SI	TE	1038	HOLE G	CORE	8X	R	ecov	ery 10	)%	CORED 70.1 - 79.7 mbsf
METERS	CORE AND SECTION	clay saft very fine fine medium GRAIN SIZE coarse very coarse	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
71	CC 1			] ©  ↑F    ↑F	Unit III		<b>T</b> ™ PAL			SILTY CLAY, CLAYEY SILT and VERY FINE SAND Major Lithologies: Light gray (N6) to gray (N5) VERY FINE SAND fining upwards to CLAYEY SILT to SILTY CLAY. The top of the core contains calcareous concretions (1-3 cm in diameter) that have probably fallen into the hole. Otherwise the sediment is non-calcareous.

1038G-8X

1038G-7X

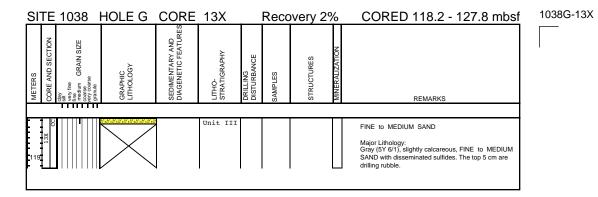






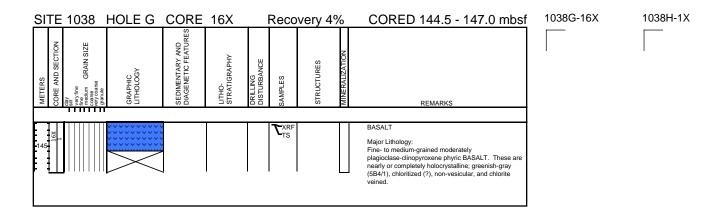
1038G-14X

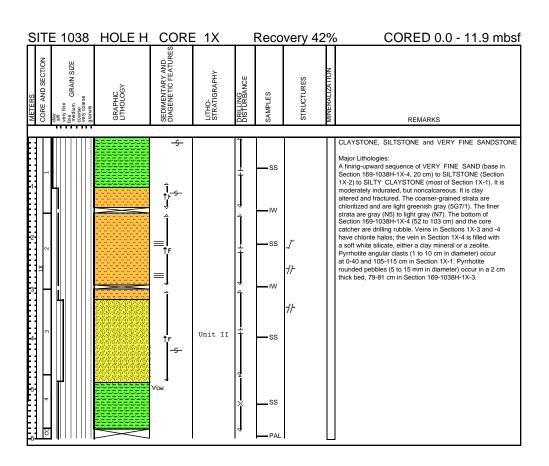
1038G-15X



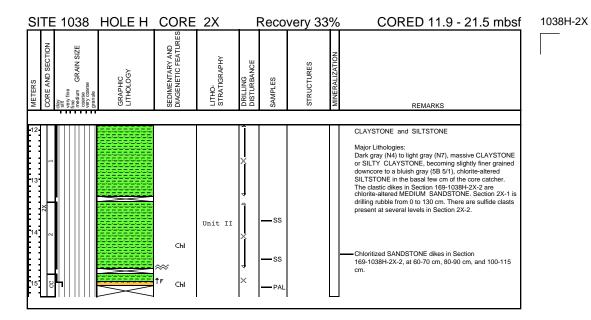
SITE	1038	HOLE G	CORE	14X		Reco	very 2	2%	CORED 127.8 - 137.4 mbsf
METERS CORE AND SECTION	8.8	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
128 X	8			Unit III		—PAL			MEDIUM SAND  Major Lithologies: Gray (5Y 5/1), homogeneous, weakly calcareous, MEDIUM SAND with some slightly indurated pieces of SANDSTONE and some 1 mm blebs of whitish calcite crystals.

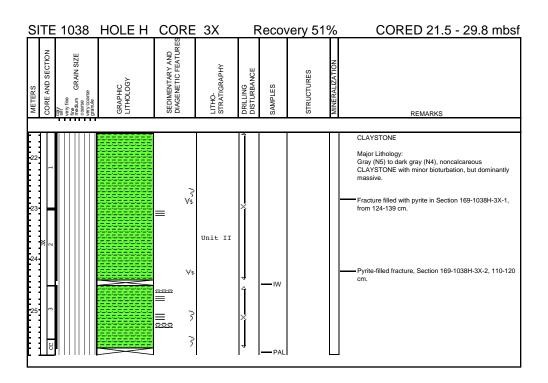
SITE	1038	HOLE G	CORE	15X	_	Rec	overy 4	4%	CORED 137.4 - 144.5 mbsf
METERS CORE AND SECTION	clay very fire fredum GRAIN SIZE coarse very cease granule	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
138 138			†F	Unit IV	<b>&gt;</b>	PAL			MEDIUM SAND  Major Lithologies: Gray (5Y 5/1), weakly calcareous, MEDIUM SAND. The upper 14 cm is drilling rubble containing 4 angular pebbles of microgranular BASALT (1-2.5 cm in diameter). Basalt is microcrystalline, sparsely plagioclase-phyric, and sparsely vesicular. Other pieces include slightly cemented SANDSTONE and MUDSTONE.

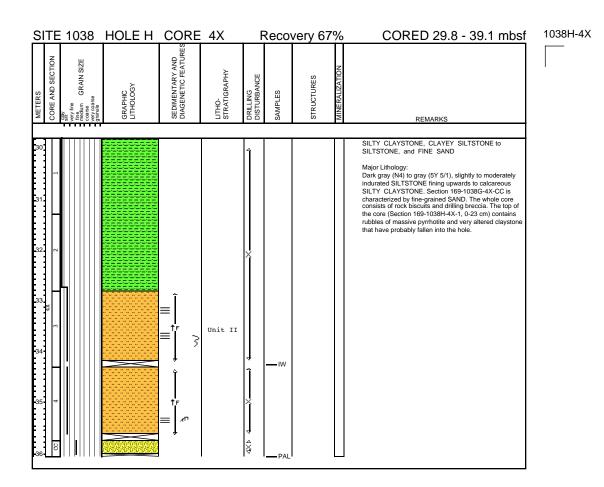


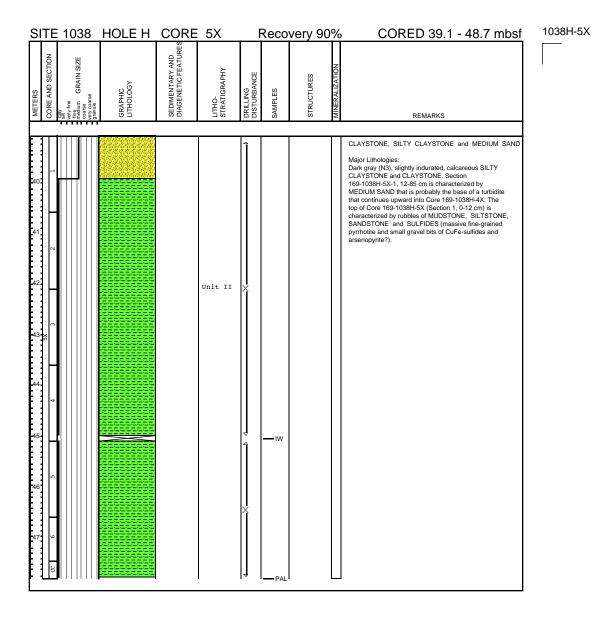


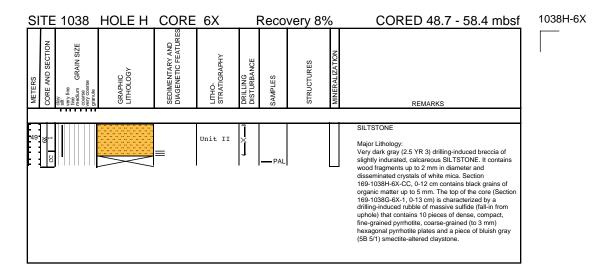
1038H-3X











SI	TE	1038	HOLE H	CORE	7X		Reco	very 0.	19	% CORED 58.4 - 68.0 mbsf
METERS	CORE AND SECTION	Sign self- very fine finedium GRAIN SIZE coarse coarse granule	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
59	X 8				Unit II					CLAYSTONE, SILTSTONE and SANDSTONE  Major Lithologies: Dark gray, gray and bluish gray, drill-induced rubble of CLAYSTONE, SILTSTONE and SANDSTONE (up to 25 mm) and one pebble of fine-grained pyrite.

S	SITE 1038 HOLE			CORE	8X	F	Recov	ery 39	%	CORED 68.0 - 77.6 mbsf
METERS	CORE AND SECTION	Silly very fine fine medium GRAIN SIZE coarse very coarse granule	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
69	× 00				Unit II		▼IW PAL			SILTSTONE  Major Lithologies: Dark gray, drill-induced rubbles of SILTSTONE (clasts up to 20 mm) and fine-grained pyrrhotite intergrown with sphalerite (from 2 mm to about 10 mm diameter).

1038H-7X

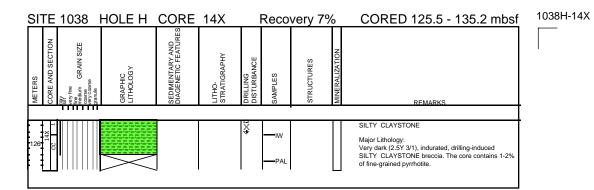
1038H-8X

S	ITE	1038	HOLE H	CORE	10X	Recovery 0%				CORED 87.1 - 96.7 mbsf
METERS	CORE AND SECTION	cigy very fine finedum GRAIN SIZE coarse coarse granule	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
88	10x CC									MASSIVE SULFIDE  Major Lithology: Two pieces of dark bronze, fine- to medium-grained pyrrhotite-rich sulfide class (up to 3.5 cm) with vugs that are lined with platey pyrrhotite crystals. Barite occurs as white/colorless mineral.

SIT	E 1038	HOLE H	CORE	11X	F	Recov	ery 0%	, D	CORED 96.7 - 106.3 mbsf
METERS CORE AND SECTION	glav sery fine finedum GRAIN SIZE coarse very coarse granule	GRAPHIC LTHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
97 <u>X</u>	3								MASSIVE SULFIDE  Major Lithology: Three pieces of fine- to coarse-grained MASSIVE SULFIDE. Coarse-grained pyrrhotite forms an interlocking network of platey crystals. Rare interstitial fibrous bartle. One vein filled with pyrite crosscuts the massive pyrrhotite.

1038H-12X NO RECOVERY

1038H-13X NO RECOVERY



SITE	1038	HOLE H	CORE	15X	F	Recov	ery 19	6	CORED 135.2 - 144.8 mbsf
METERS CORE AND SECTION	clay sit fine fine medium GRAIN SIZE coarse vary coarse	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
136	3								SILTY CLAYSTONE and BASALT  Major Lithologies: Drilling-induced rubble of gray, rounded SILTY CLAYSTONE clasts (2-30 mm) and micro- to cryptocrystalline, aphyric to sparsely phyric, sparsely to moderately vesicular BASALT. Dark gray BASALT contains numerous veinlets (0.2-2 mm) with chlorite, calcite, and pyrite (after pyrrhotite). These minerals also fill vesicles and voids.

SITE	1038	HOLE H	CORE	16X	Recovery 2%			%	CORED 144.8 - 154.4 mbsf
METERS CORE AND SECTION	clay silt wery fine fine fine medium GRAIN SIZE very coarse granule	GRAPHIC LTHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
145 X9 [	3					<b>T</b> IW PAL			CLAYSTONE and BASALT  Major Lithologies: Most of the core catcher sample consists of drilling rubble including fragments of CLAYSTONE, BASALT, and pyrrhotite. The interval from 15 to 17 cm may be in situ. This is comprised of dark gray, (IvA), moderately lithified, non-calcareous, massive CLAYSTONE. Drilling rubble of dark gray, lithified, massive, homogeneous CLAYSTONE (1-15 mm; 95 % of all clasts), microcrystalline BASALT fragments (3% of clasts), light greenish, bleached/chloritized BASALT? (1% of clasts) and very fine-grained pyrrhotite clasts (1% of clasts).

561

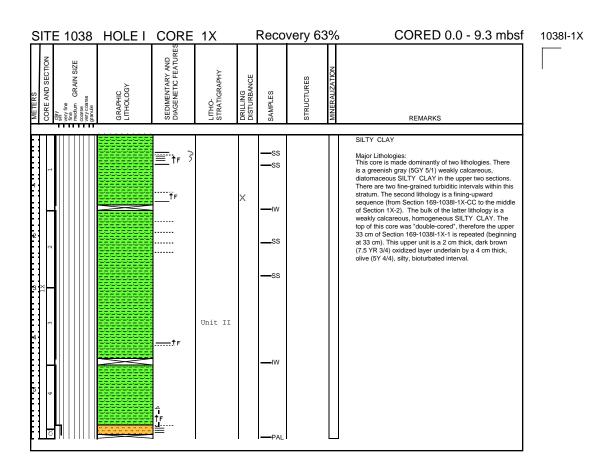
1038H-15X

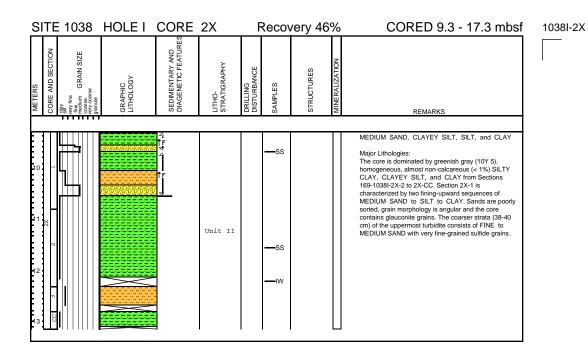
1038H-16X

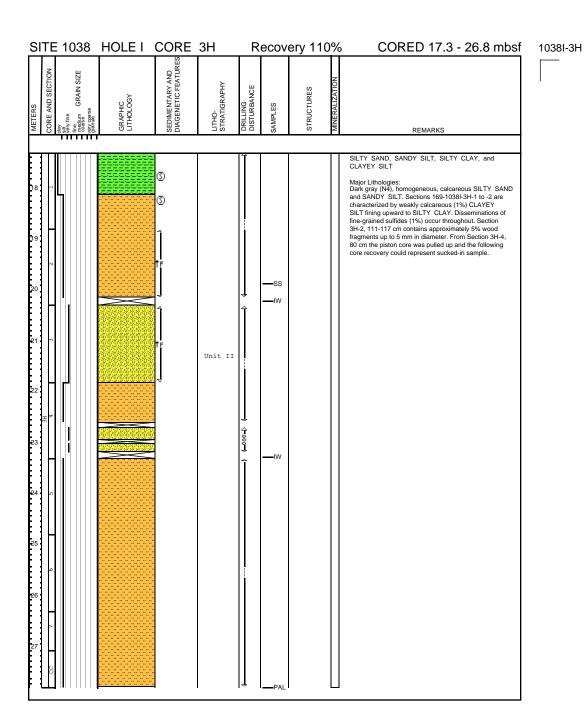
SIT	E 1038	HOLE H		18X		Reco	overy 0%		CORED 164.0 - 173.6 mbsf
	CORE AND SECTION  clay sift wery fine fine coarse coarse granule	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
165	8								CLAYSTONE and BASALT  Major Lithologies: Drilling rubble and fall-in. Includes chunks of aphyric BASALT, massive pyrrhotite, and CLAYSTONE. No distinctive new lithologies encountered.

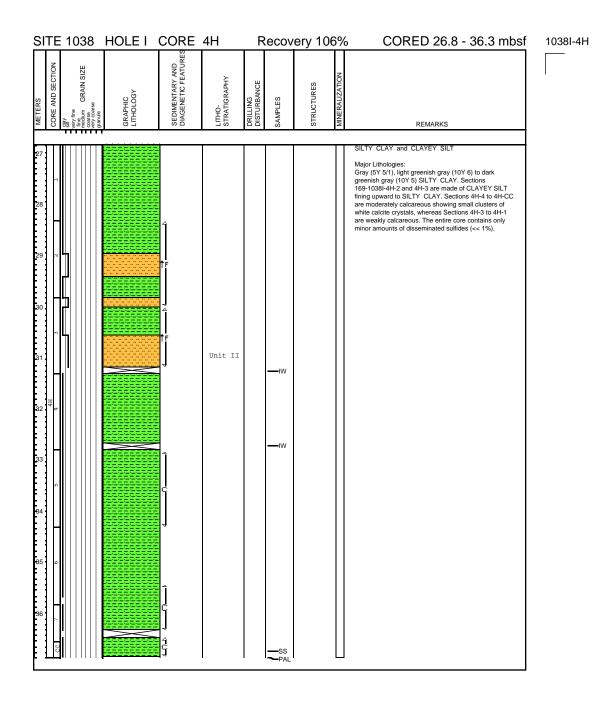
## 1038H-19X NO RECOVERY

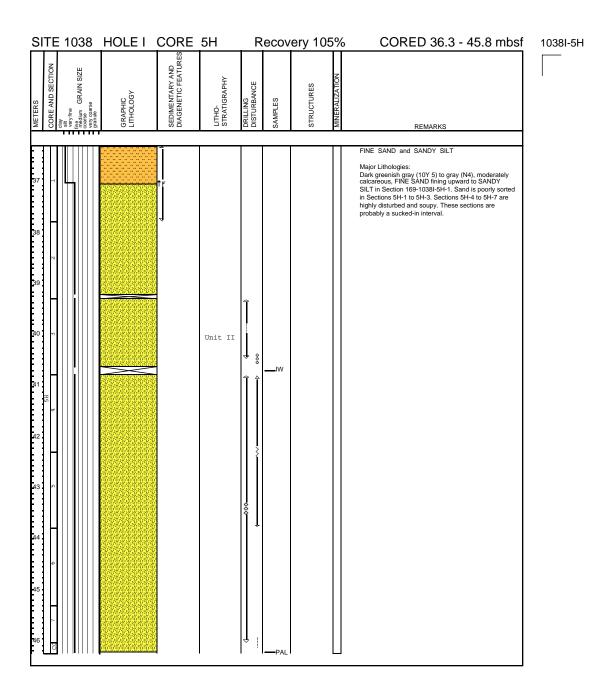
SITE	TE 1038 HOLE H CORE 20X		Recovery 3%				CORED 183.6 - 192.8 mbsf		
METERS CORE AND SECTION	GR.	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
70X 184	3				×	SS IW PAL			CLAYSTONE  Major Lithology: In Section 169-1038H-20X-1, at 20 to 25 cm is a dark gray (N4), altered (partly silicified?), well-indurated, noncalcareous, homogeneous CLAYSTONE. This is the apparent primary lithology that has mostly been reduced (by drilling) to a pulp. In Section 20X-1, from 0 to 15 cm is a drilling rubble consisting of CLAYSTONE, SILTSTONE, BASALT, and MASSIVE SULFIDE.

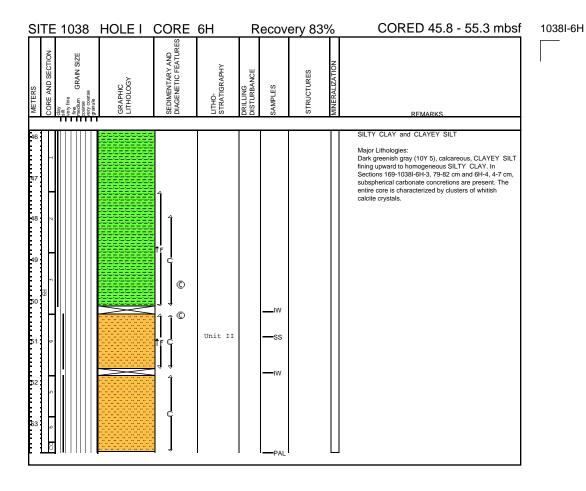


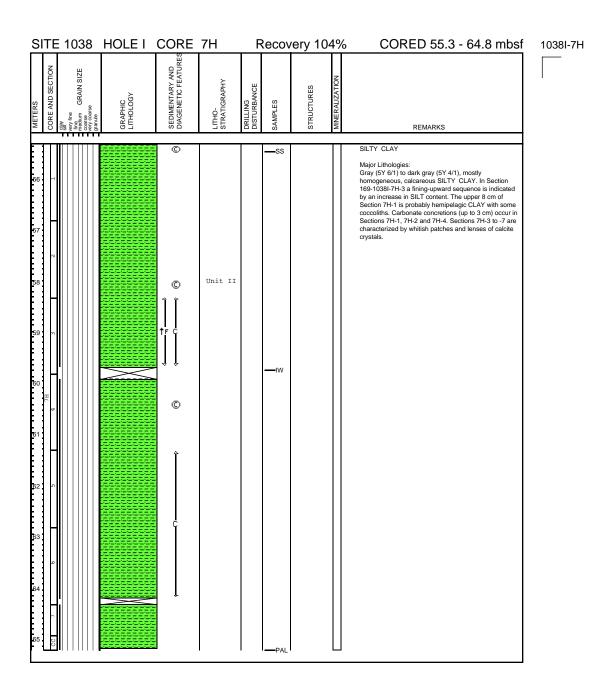


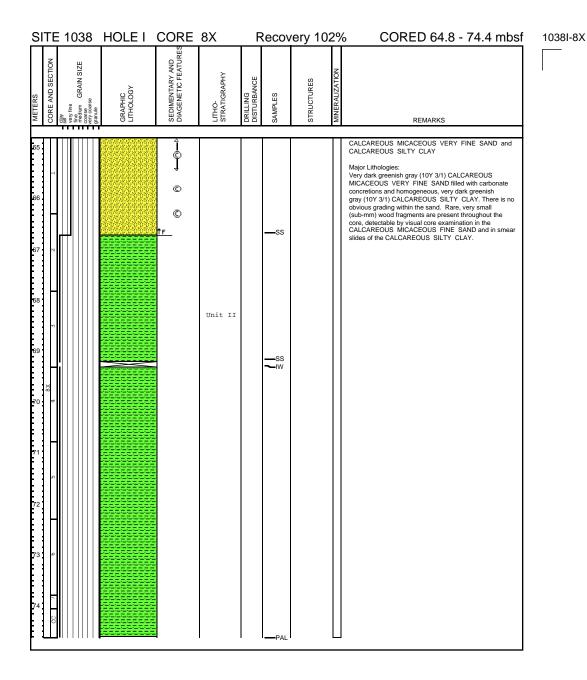


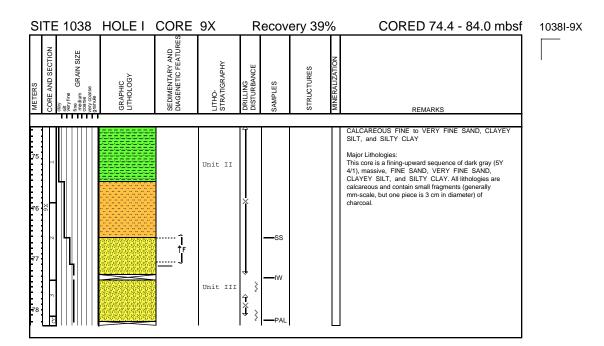






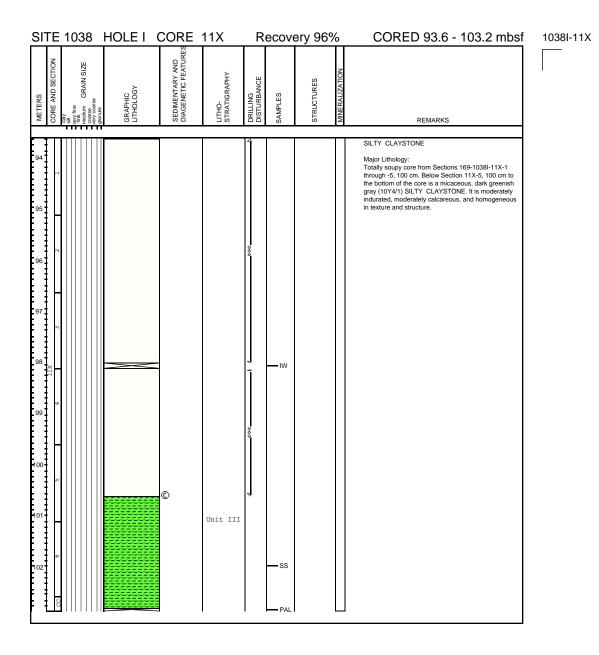


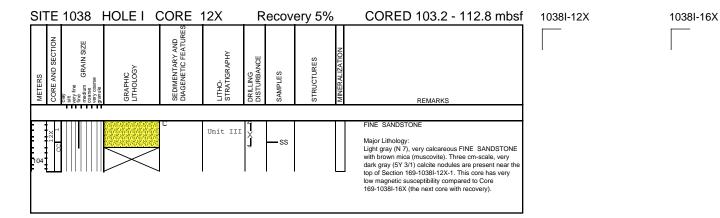




SITE 1038			HOLE I	CORE	10X	Recovery 2%			%	CORED 84.0 - 93.6 mbsf
METERS	CORE AND SECTION	clay sory fine fine medium GRAIN SIZE coarse very coarse granule	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO. STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
85	10X CC 1				Unit III	8 ×	<b>—</b> PAL			CALCAREOUS FINE SAND  Major Lithology: Gray (N 4) more gray than the previous core massive, CALCAREOUS FINE SAND.

1038I-10X

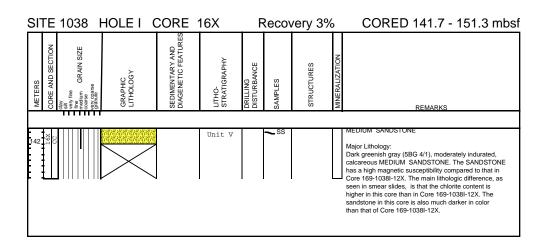




1038I-13X NO RECOVERY

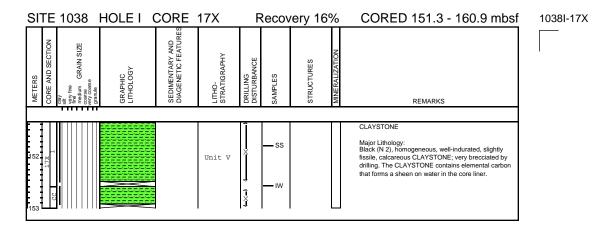
1038I-14X NO RECOVERY

1038I-15X NO RECOVERY



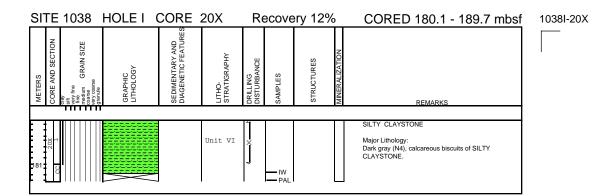
1038I-18X

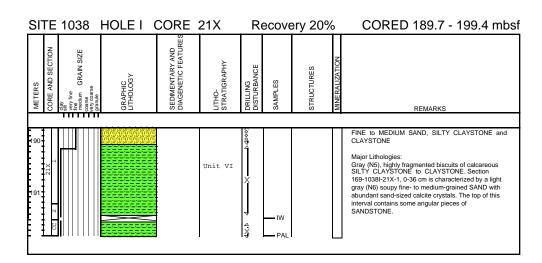
1038I-19X



SITE 1038 HOLE I CORE 18X		Re	cove	ry 4%		CORED 160.9 - 170.5 mbsf			
METERS CORE AND SECTION		granue GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
161 X81	3			Unit V	j J	PAL IW			SILTY CLAYSTONE and BASALT  Major Lithologies: This core contains two distinct lithologies: drilling rubble (possibly partially in situ?) of SILTY CLAYSTONE and broken pieces of BASALT. The SILTY CLAYSTONE consists of pieces of gray (N 5) and light gray (N 7) massive, calcareous SILTY CLAYSTONE similar to material recovered up-core. The BASALT is black (N 2.5), fresh and microphyric, with plagioclase phenocrysts and chilled margins.

5	SITE	1038	HOLE I	CORE	19X	R	ecove	ery 9%	)	CORED 170.5 - 180.1 mbs
	METERS CORE AND SECTION	clay sait yeryfne medium GRAIN SIZE coarse	grande GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
Γ			1							
THE PARTY HEAD	71 X61	ם מ			Unit V	4 X	PAL			SILTY CLAYSTONE  Major Lithology: Gray (N 5) massive, calcareous, SILTY CLAYSTONE.





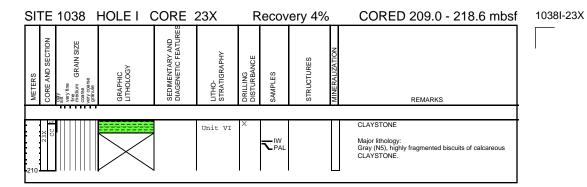
SITE 1038 HOLE I CORE 22X			Recovery 1%				CORED 199.4 - 209.0 mbsf			
METERS	CORE AND SECTION	casy veryfine fine medium GRAIN SIZE very coarse granule	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
200	22X CC				Unit VI		PAL			SILTY CLAYSTONE  Major lithology: Gray (N5), soupy and drilling disturbed breccia of calcareous SILTY CLAYSTONE.

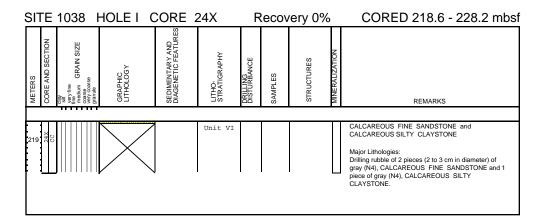
1038I-21X

1038I-22X

1038I-24X

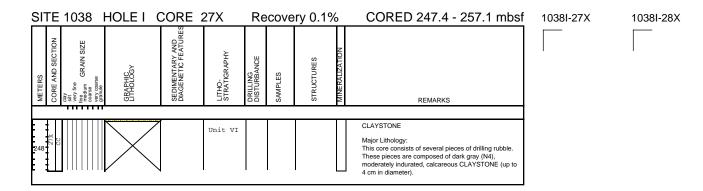
1038I-26X

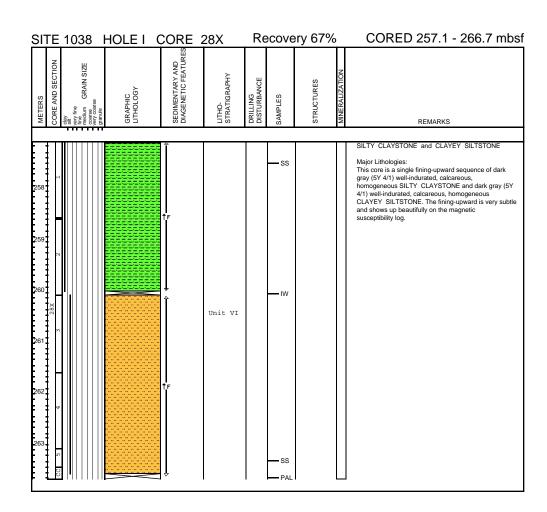


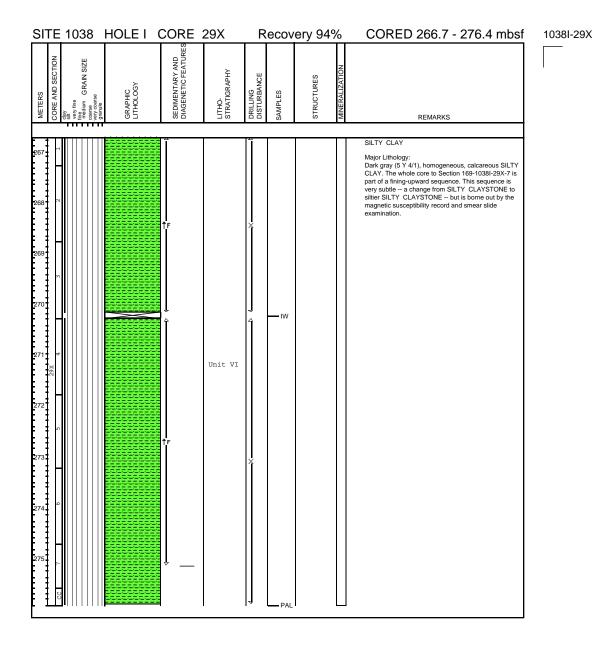


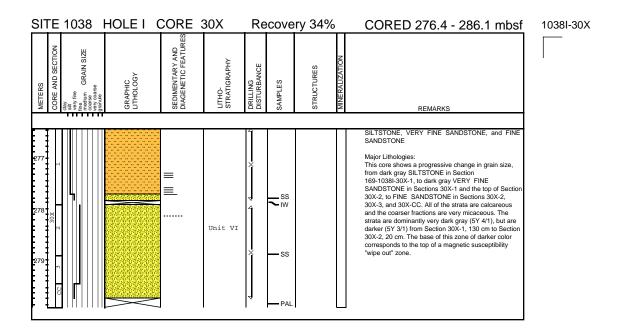
## 1038I-25X NO RECOVERY

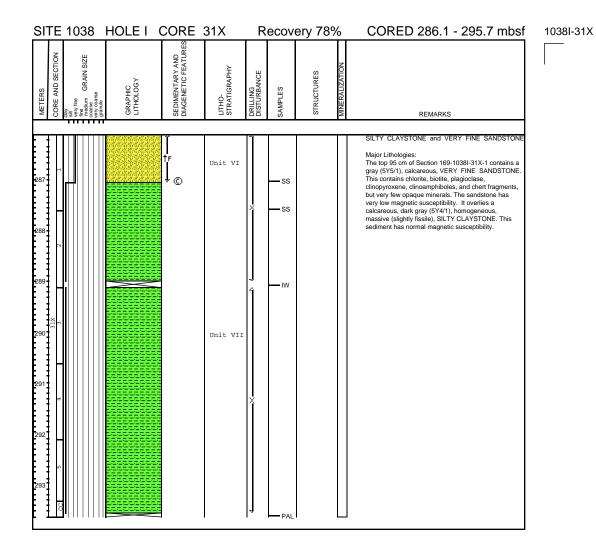
SITE 1038 HOLE I CO			CORE :	26X	Recovery 0%			%	CORED 237.8 - 247.4 mbsf
METERS CORE AND SECTION	clay sait e free free free free free free free f	GRAPHIC LITHOLOGY	SEDIMENTARY AND DIAGENETIC FEATURES	LITHO- STRATIGRAPHY	DRILLING DISTURBANCE	SAMPLES	STRUCTURES	MINERALIZATION	REMARKS
238 💥	8			Unit VI					CALCAREOUS CLAYSTONE and CALCAREOUS SILTSTONE  Major Lithologies: Drilling rubble with 1 piece of gray CALCAREOUS CLAYSTONE (2 cm in diameter) and 1 piece of gray CALCAREOUS SILTSTONE (4 cm in diameter) that contains mica and components of organic matter.

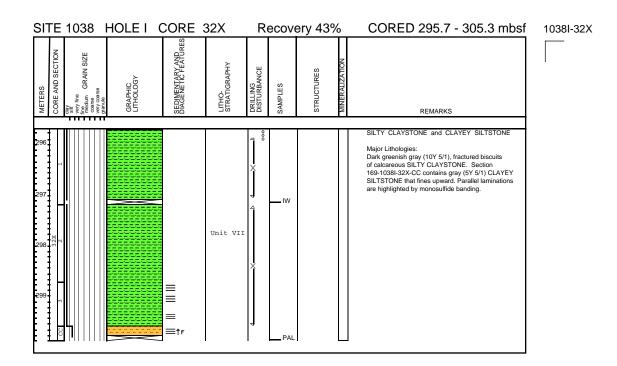


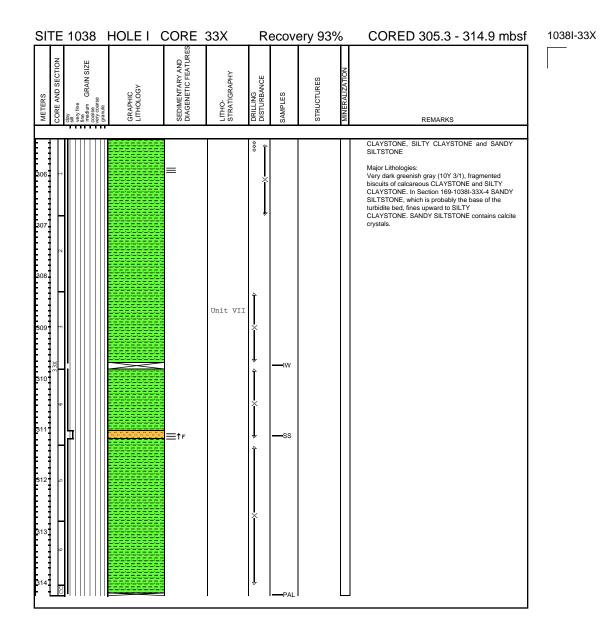


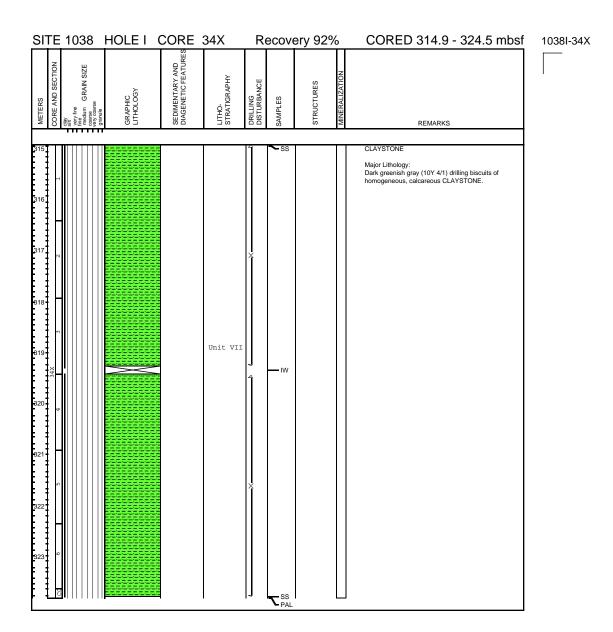




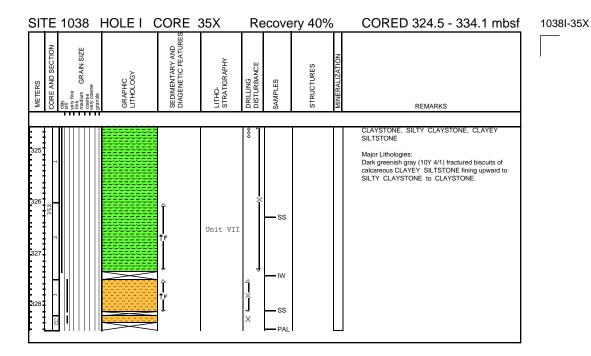


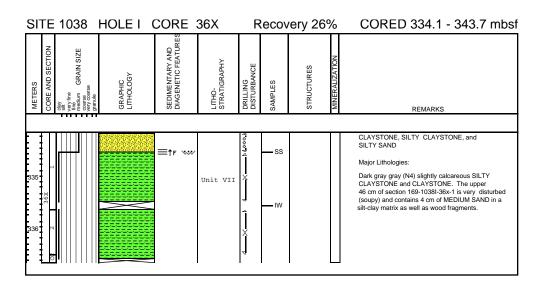


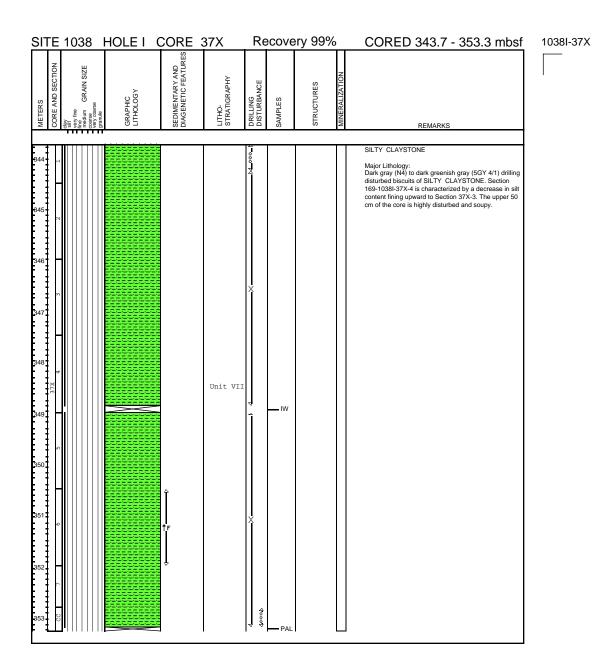


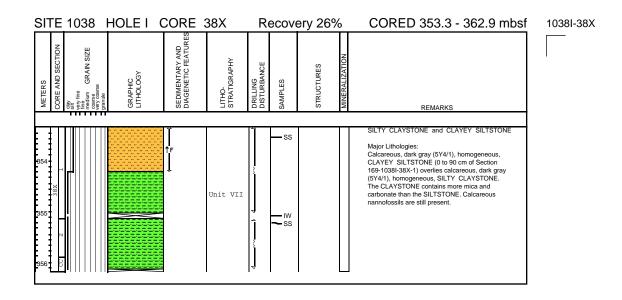


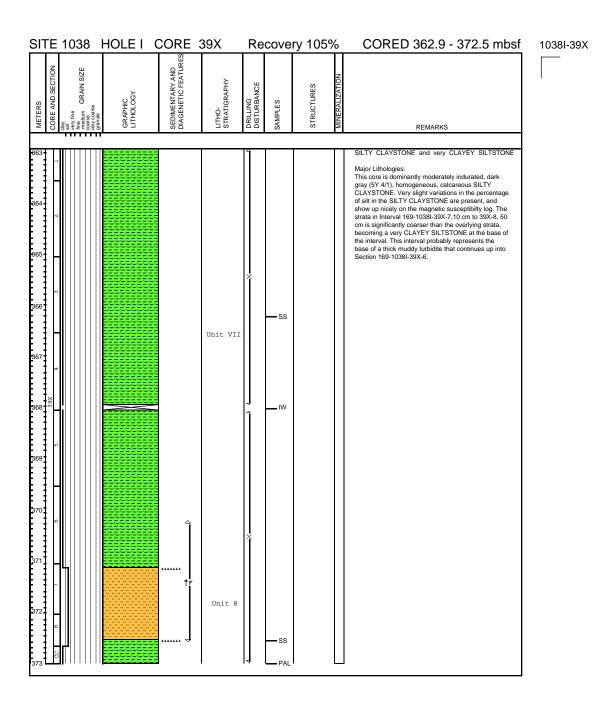
1038I-36X

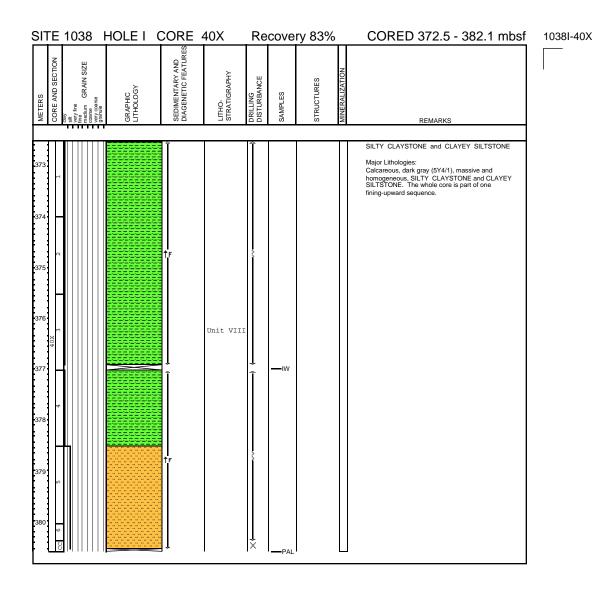


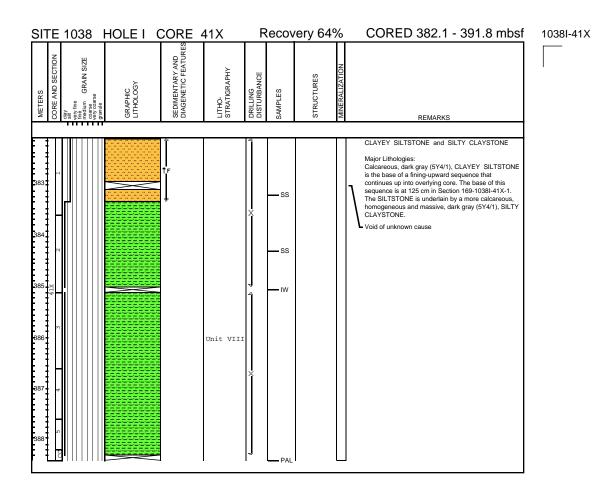


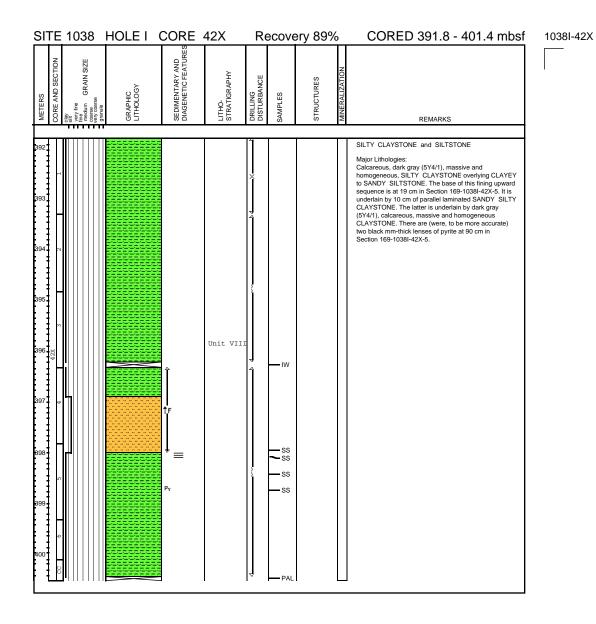


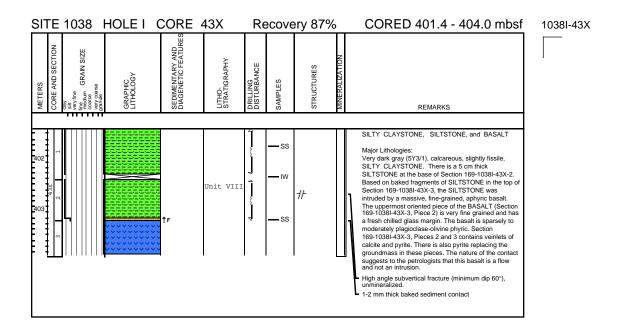


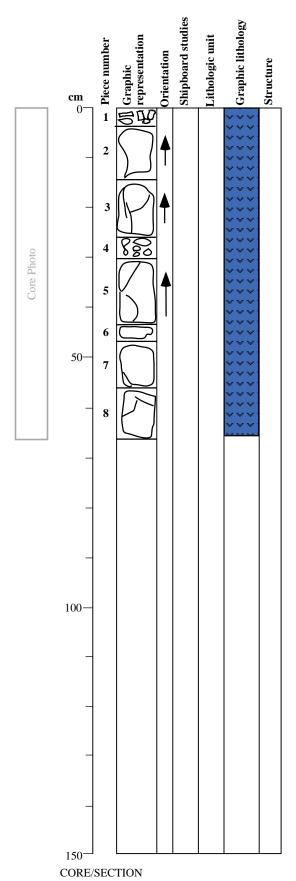












## 169-1038I-43X-3 Top of Section 43X - 401.4 mbsf

## Pieces 1-8

## **ROCK TYPE: BASALT COMMENTS:**

- Piece 1: Rubble of silty claystone or clayey siltstone and
- glassy, fine-grained basalt. Very fine-grained basalt with chilled glass margin (fresh) at top. Some phenocrysts of plagioclase and fresh euhedral light-green olivine.
- Piece 3: Very fine-grained, plagioclase-phyric basalt. Abundant ~0.5 mm phenocrysts of plagioclase and euhedral olivine. Less than 1 mm thick, subvertical veinlets of calcite.
- Piece 4: Rubble of very fine-grained basalt.
- Very fine-grained, plagioclase-phyric basalt. Piece 5: Abundant ≤1 mm phenocrysts of plagioclase and euhedral olivine. 0.5 - 1 mm veinlets of calcite with pyrite along veinlet walls. Also pyrite in the groundmass of the basalt. Vesicles filled with calcite at the top of the piece.
- Pieces 6-8: Very fine-grained plagioclase-phyric basalt with ~1 mm plagioclase phenocrysts. Some olivine phenocrysts present as well. Vesicles filled with white and orange-brown calcite. Pyrite is present in the groundmass, but most commonly associated with calcite-filled vesicles and mm-thick veinlets of calcite.