12/4/75

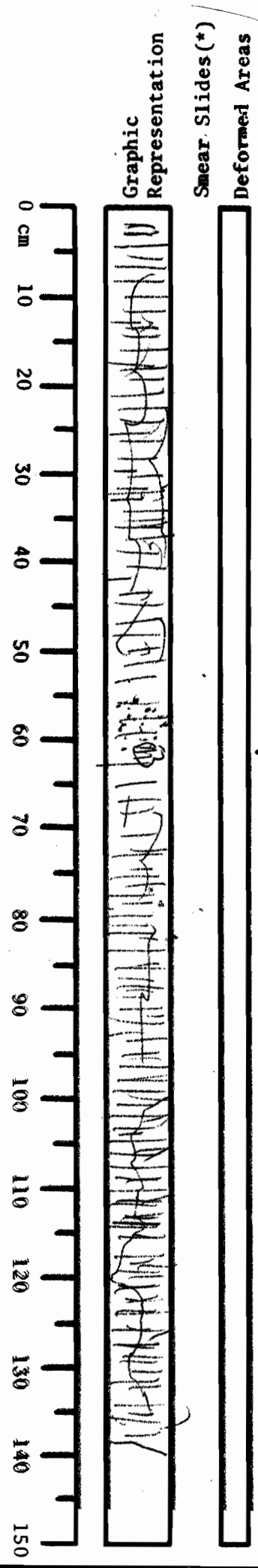
330570

VISUAL CORE DESCRIPTION

758' - 776'

LEG	SITE	HOLE	CORE	SEC
6	001		69	1

OBSERVER
JCH



ENTIRE SECTION
CLAY, MOTTLED LIGHT GRAY, DUSKY RED
OLIVE BROWN + WEAK RED

SANDY ZONE

← 15cc OLIVE BROWN zone

330570

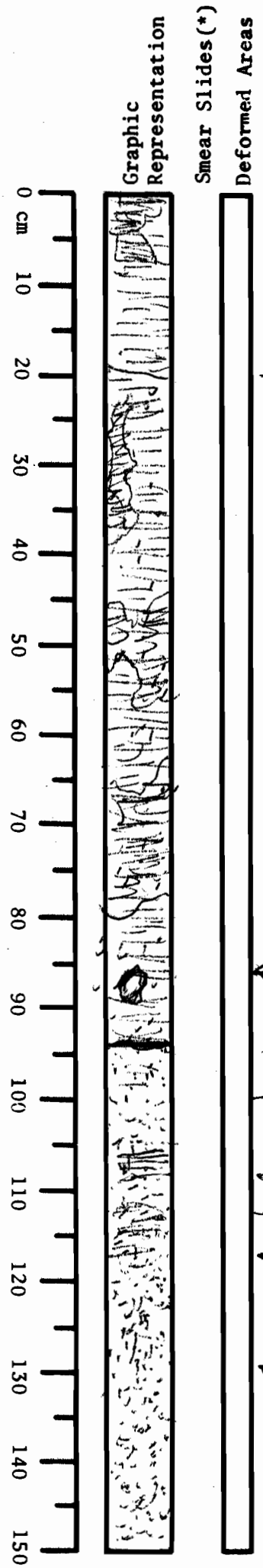
12/4/75

VISUAL CORE DESCRIPTION

758-776'

LEG	SITE	HOLE	CORE	SEC
6	001		69	2

OBSERVER
JCH



CLAY MOTTLED
LT. GRAY, DUSKY RED, OLIVE BROWN
AS SECTION 1

SANDY CLAY

← OLIVE BROWN MOTTLED ZONE

← OLIVE BROWN ZONE

15cc
← BLACK ZONE

MAJOR LITH. BREAK
CLAYEY SAND, LIGHT GREY

HYDROCARBON SAMPLE
POROS, + PERM. "

WEAK RED LAYERS LT. GRAY 5Y 7/1

15cc
30cc ✓

← PALED

330570

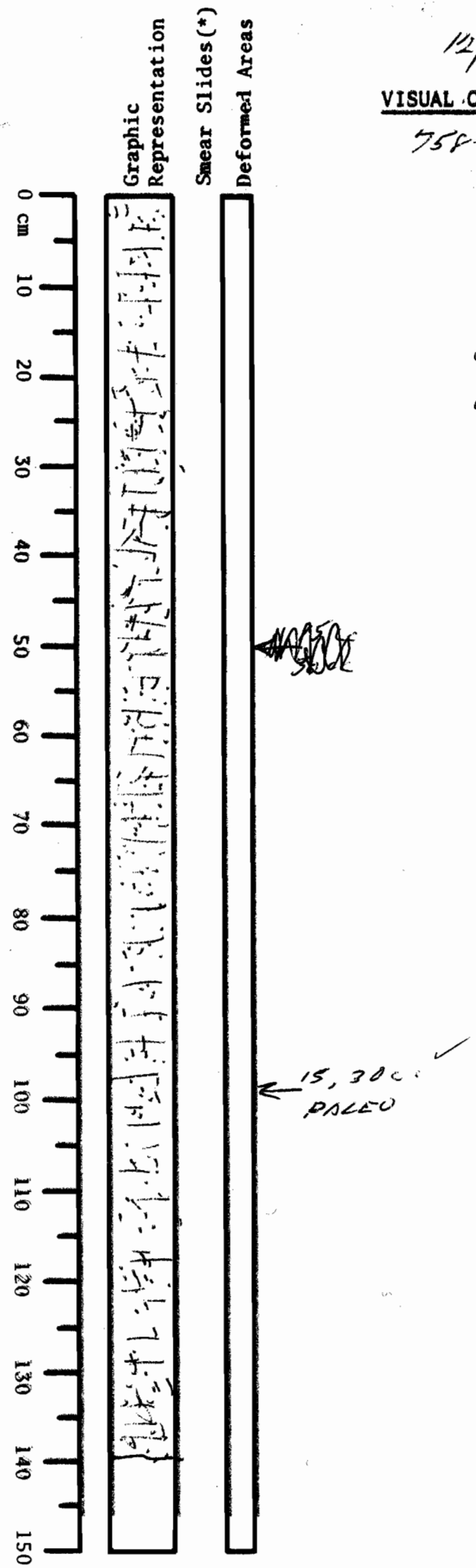
12/4/75

VISUAL CORE DESCRIPTION

758'-776'

LEG	SITE	HOLE	CORE	SEC
6	001		69	3

OBSERVER
JCH



UNIFORM LT. GRAY 5Y 7/1
CLAYEY + SILTY SAND
ABUNDANT MICA
SAND MEDIUM, SOME COARSE

12/4/75

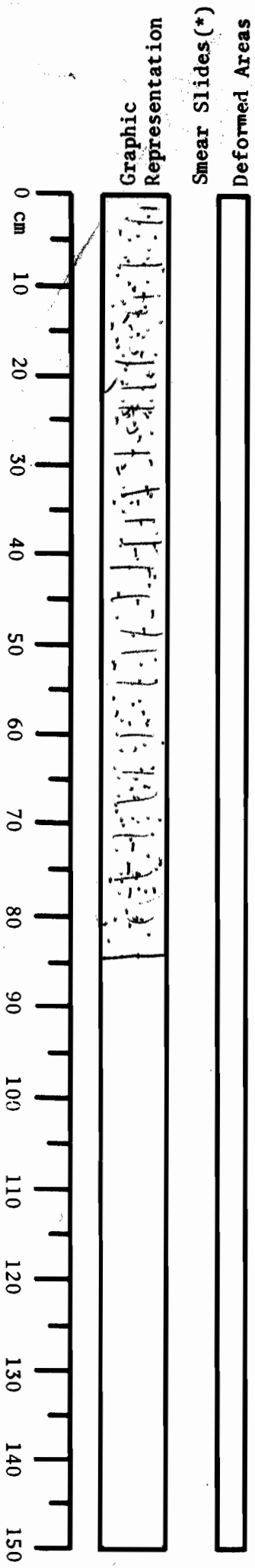
330570

VISUAL CORE DESCRIPTION

758'-776'

LEG	SITE	HOLE	CORE	SEC
6	0 0 1		6 9	4

OBSERVER
JCA



CLAYEY SAND
MICACEOUS

SAME AS SECTION 3

NO SAMPLES TAKEN

SQZR – SALINITY 0.4 ‰

330570

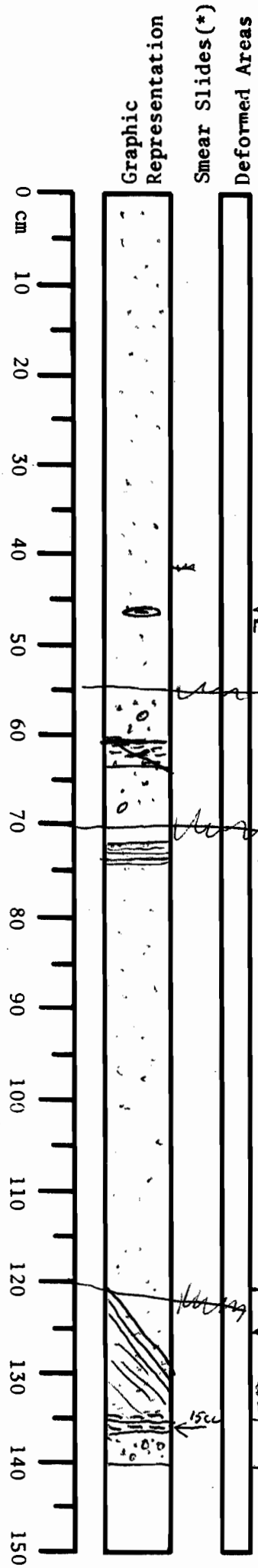
12/5/75

VISUAL CORE DESCRIPTION

776 - 791

LEG	SITE	HOLE	CORE	SEC
6	001		70	1

OBSERVER
LDM
J.F.H.



Cse to med snd, clayey, faintly bedded-laminated, white, 5Y 8/1

30cc, 15cc sample (42-45cm)

micaceous schist pebble (46cm)

Very cse snd, grns are aggregates of finer material - micaceous, some qtz, a few pebbles. No acid reaction. 5Y 8/1 bands of slightly darker, horizontal band, ~~cl~~ sandy clay

Med snd, micaceous, very faint laminae 5Y 8/1
Dk band's

Clayey sand, dark bands, ~~5Y 8/1~~ gray 5Y/1

Diagonal sandy clay bands, slightly silty
Cse snd to fine gravel 5Y 8/1

330570

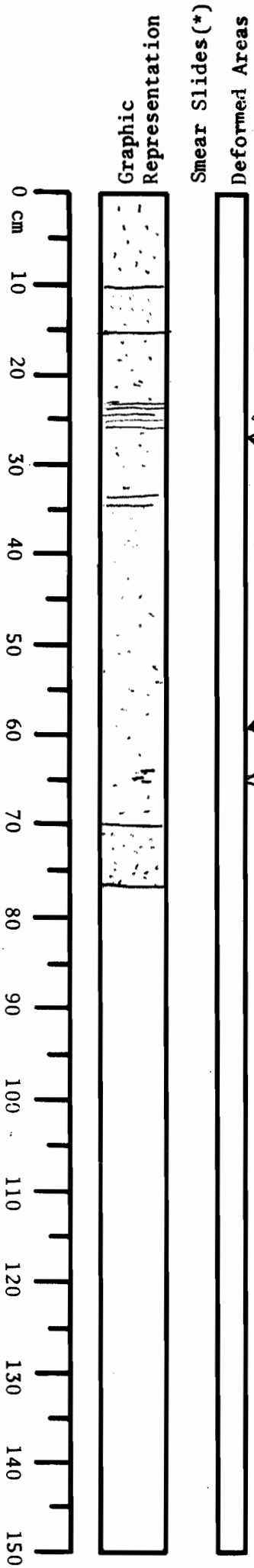
12/5/75

VISUAL CORE DESCRIPTION

776-791

LEG	SITE	HOLE	CORE	SEC
6	001		70	2

OBSERVER
LDM



Cse sand, clayey micaceous aggregates 5Y 8/1

fine sand, clayey micaceous aggregates 5Y8/1

medium sand, clayey 5Y8/1

dark bands 5Y4/1

← sample 25-30 med sand clayey 15 & 30 cc samples

← Salinity sample taken (788') 0.0 ‰ SALINITY

← 64-66 ~~med sand~~ (w) clay ball, med gray

med-fine, clayey sand 5Y8/1

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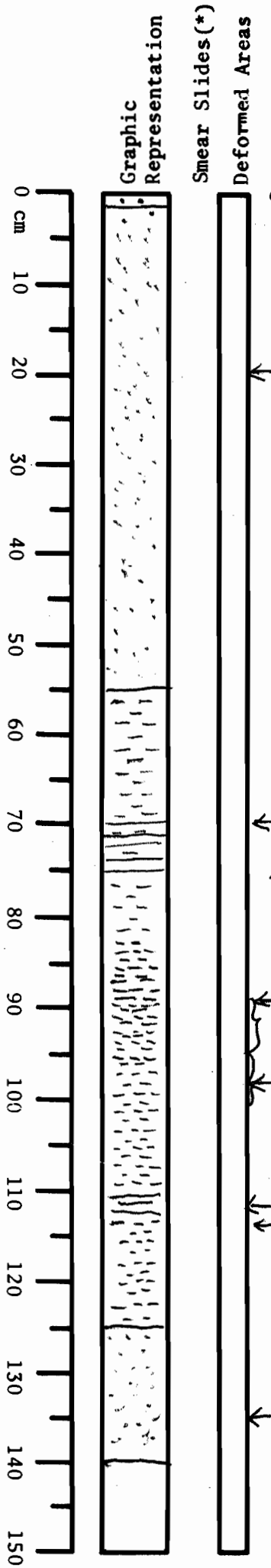
12/5/75

VISUAL CORE DESCRIPTION

791- 805

LEG	SITE	HOLE	CORE	SEC
6	001		71	1

OBSERVER: LDM



cse sand
med sand

5Y 8/1
white sand

sample
15cc and 30cc

? med to cse sand, clayey - entire section may be slumped and mixed

clay, dry, medium hard, 5Y 7/1 lt. gray

15cc and 30cc
banded clay

streaks of olive clay 5Y 5/3

WATER SAMPLE - SALINITY (-0.15 ‰)

Porosity

clay, olive, dry, med. hard 5Y 7/1 lt. gray

hydroC

polyn-paleon.

streaks of olive clay 5Y 5/3

WATER SAMPLE - SALINITY (0.2 ‰)

~~sandy~~ med sand

15cc & 30cc

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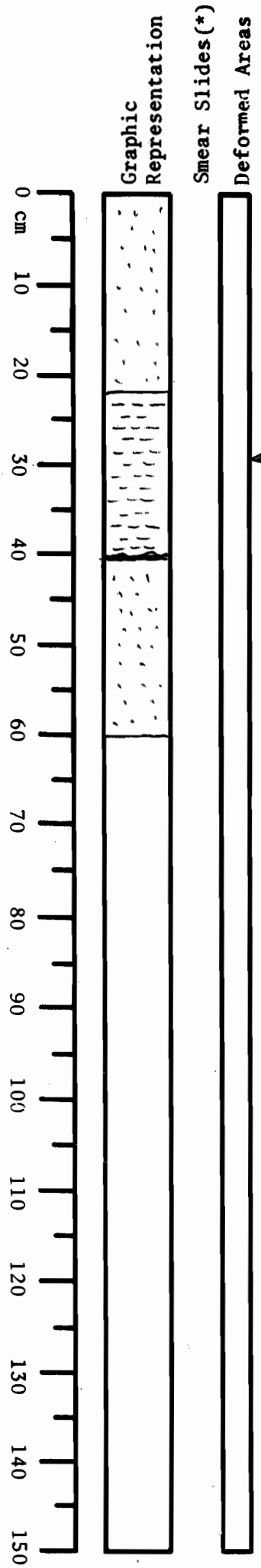
12/5/75

VISUAL CORE DESCRIPTION

791 - 805

LEG	SITE	HOLE	CORE	SEC
6	001		71	2

OBSERVER: LDM



med sand white, micaceous
548/1

clay, white 547/1

30cc & 15cc white clay

dark mineral zone
fine to med white sand, clayey, 548/1

330570

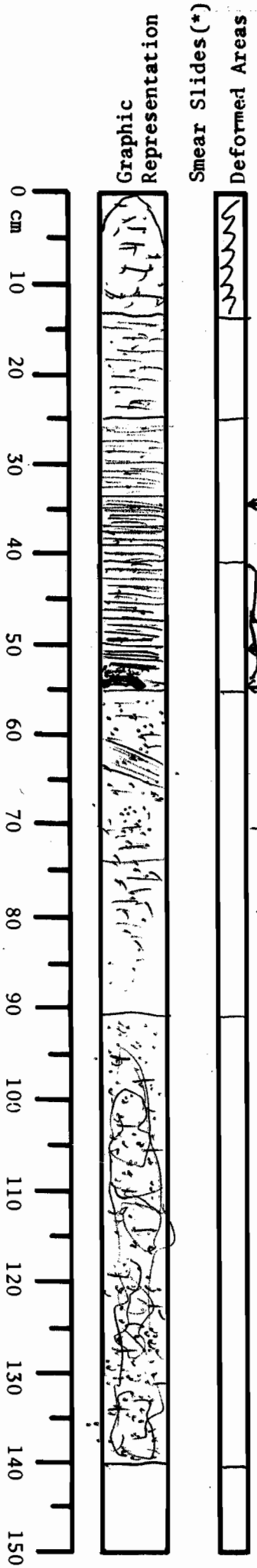
12/6/75

VISUAL CORE DESCRIPTION

805 – 822'

LEG	SITE	HOLE	CORE	SEC
6	001		72	1

OBSERVER
VCH



Disturbed clayey sand cuttings + cavings

lt. brownish-gy slightly silty clay 10YR 6/2

slightly dker; distinctly laminated slightly silty clay: darkens toward 41cm to grayish brown 10YR 5/2

clay slightly silty; dk. gy; 10YR 4/1

pieces of lignite; sandy layer just above

sand, clayey; gray 10YR 6/1

dk. gy. faintly laminated zone

fine sand; slightly clayey, and silty; gray 10Y/R 6/1

gray clayey sand w/ increasing amts of clay w/ depth; heavily mottled w/ olive-yellow (2.5Y 6/6) and red (10R 4/6)

330570

Dec. 6, 1975

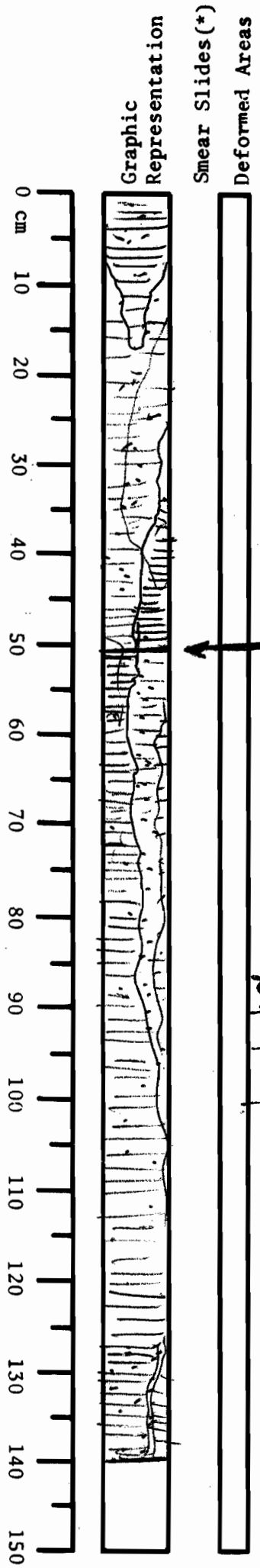
VISUAL CORE DESCRIPTION

805-822'

LEG	SITE	HOLE	CORE	SEC
6	001		72	2

OBSERVER
JCH

MHB



Heavily mottled, colors as section 1
7.5 YR 4/4 Dark brown
"Vein" fillings with fine clayey sand

Fault. Horizontal dip, apparently not a drilling artifact - light, no drilling mud, no rotational marks on plane

51-140 - mottled grey clayey sand + silt
2.5Y 5/6 light olive brown throughout section

86-90 - paleo + palynology
30cc and 15cc
water sample in olive brown - SALINITY 0.6

330570

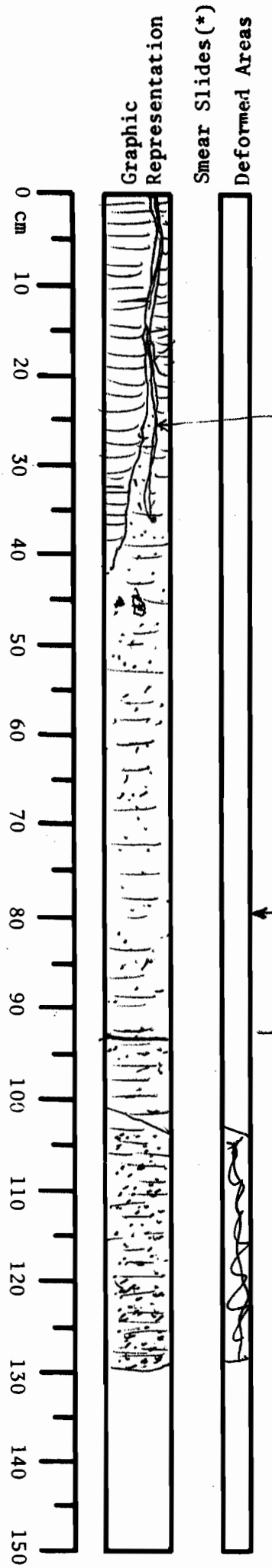
12/6/75

VISUAL CORE DESCRIPTION

805-822

LEG	SITE	HOLE	CORE	SEC
6	601		72	3

OBSERVER
VCH + MB



FINE SAND, SALTY + CLAYEY, FIRM
MOTTLED
LT OLIVE BROWN (2.5Y 5/6)
+ LT GRAY 5Y 7/1
2.5YR 3/6 DARK RED
CRACK FILLING OF WHITE CLAY

FINE SAND, SILT + CLAY, LT GRAY 5Y 7/1
BLACK ZONE + OLIVE BROWN MOTTLE

30 cc
16 cc, PALEO

MEDIUM SAND, CLAYEY LT GRAY FIRM

SAND, MEDIUM TO COARSE, CLAYEY + SILTY FIRM
LT. GRAY
COARSEST NEAR BOTTOM
(core catcher zone) MICACEOUS
SALINITY 1.2 ‰

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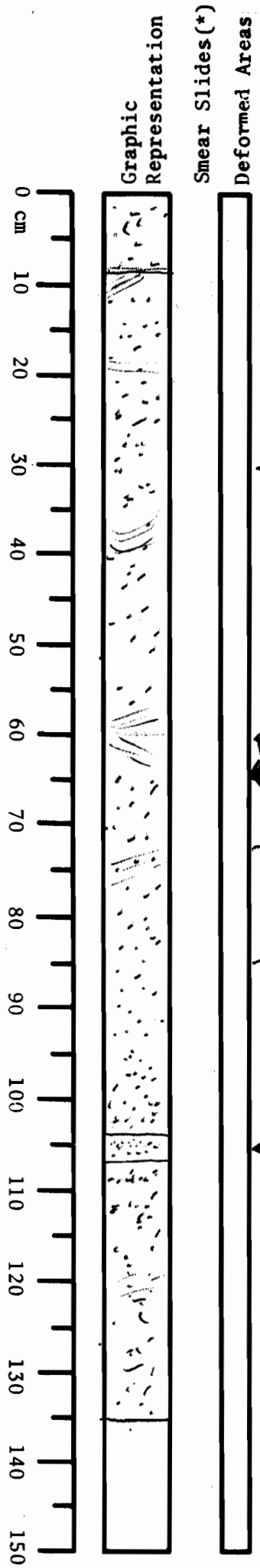
12/6/75

VISUAL CORE DESCRIPTION

822 - 840'

LEG	SITE	HOLE	CORE	SEC
6	001		73	1

OBSERVER
EGAW/JCH



SAND, LT. GRAY (5Y 7/1), CLAYEY, SILTY, LAMINATED, CROSSBEDDED, SOME DARKER LAMINATIONS, SOME FINE-GRAINED BANDS, MICACEOUS, ALTERNATING LAYERS OF COARSE TO MEDIUM SAND

← SQZR - SALINITY 1.4 ‰

15cc
30cc (65cm) ✓

73-85
HYDROCARBON
POROS-PERM

← 15cc

FINE-GRAINED LAYER w/DARKER LAMINA AT TOP AND AT BOTTOM.

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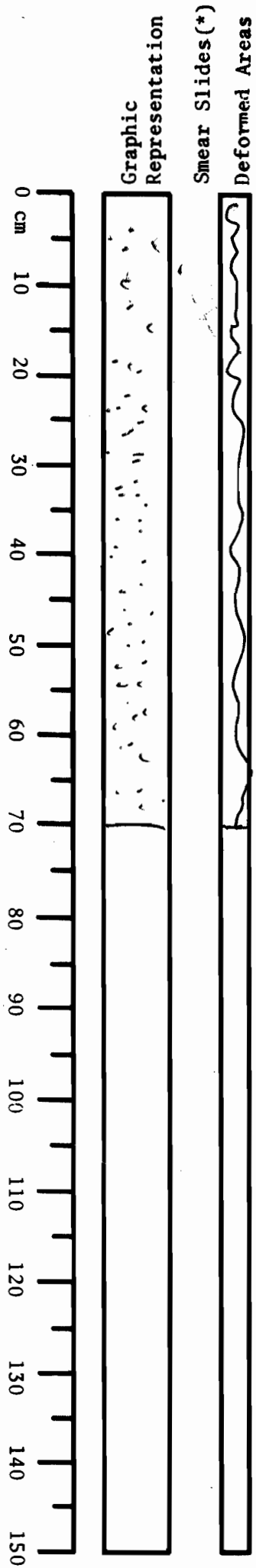
12/6/75

VISUAL CORE DESCRIPTION

822-840'

LEG	SITE	HOLE	CORE	SEC
6	001		73	2

OBSERVER
EGAW



LT. GRAY SAND (5Y7/1), CLAYEY & SILTY - SIMILAR TO 73-1 BUT BADLY DISTURBED & CONTAMINATED BY DRILLING MUD,

SQZR - SALINITY 0.8‰

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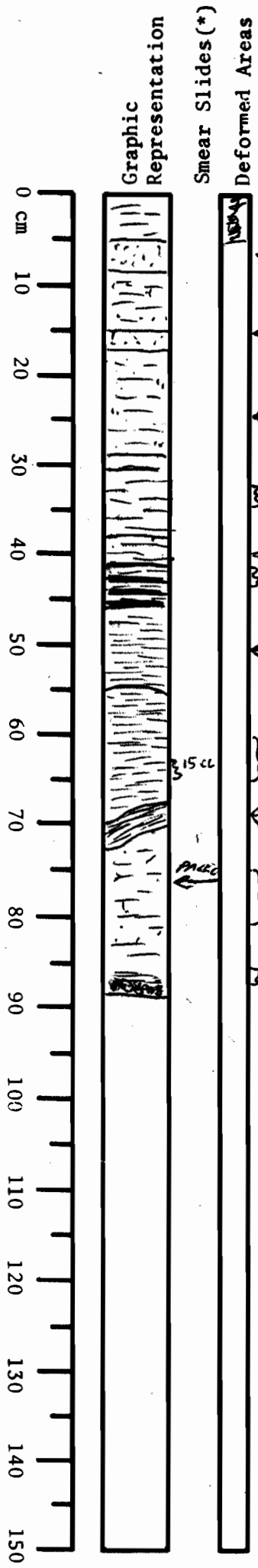
12/6/75

VISUAL CORE DESCRIPTION

840-85-1

LEG	SITE	HOLE	CORE	SEC
6	0 0 1		7 4	1

OBSERVER
EGAW



RED CLAY (10R 4/8) PROBABLY SHAVINGS FROM HIGHER SECTIONS

COARSE SAND IN WHITE CLAY MATRIX

← SQZR 10cm - Salinity 6.6

SILTY CLAY, LT. GRAY (10 YR 7/1)

COARSE SAND LAYER, HIGHLY MICACEOUS

SILTY CLAY LAYER

← SQZR (25-29cm) - Salinity 7.3

FIRM CLAY, PALE BROWN (10YR 6/2), FAINTLY SILTY

LAMINATED DARKER CLAY GRADING TO BLACK (10YR 2/1), STIFF CLAY W. BANDS OF LIGNITE OR COAL (41-45 cm) BECOMING UNIFORM DOWNWARD THEN BECOMING LIGHTER TO DARK BROWN,

← SQZR - SALINITY 8.2 ‰

DARK BROWN 7.5 YR (4/2) LAYER to LIGHT BROWN (7.5YR 6/2)

SQZR - SALINITY 8.9 ‰

SILTY CLAY, LT. GRAY (10YR 7/1), FIRM

COARSE SAND + GRAVEL, CLAYEY PEBBLES TO 1 cm.

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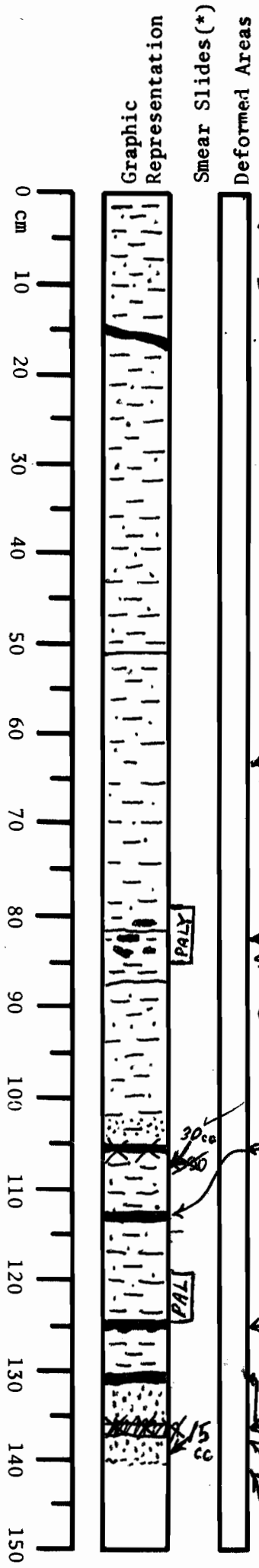
12-8-75

VISUAL CORE DESCRIPTION

851'- 859'

LEG	SITE	HOLE	CORE	SEC
6	001		15	1

OBSERVER
POAG
HATHAWAY



Above Core was ca. 10cm caved red mottled clay, badly deformed, was discarded

Clay, slightly silty, faintly lam. & mott., brown 7.5YR, 5/2, mottled w/ lighter & ~~darker~~ darker material

Band of Clay, v slightly silty, v dark gray 5YR/3/1

CLAY, slightly silty, dark gray 5YR, 4/1, faintly mottled & laminated,

SQZR (60-70cm) 10.7 ‰

CLAY, slightly silty, increasing lignitic material downward

Lignite or subbituminous coal

Sandy zone

Clay, lam, v. drk gray 5YR, 3/1 silty zones of gray 5YR, 6/1

SANDY ZONE @ 102-104 cm - scattered lignite

CLAY, black

CLAY, silty, pinkish gray 7.5 YR, 7/2

CLAY, drk brn, 7.5YR, 4/2 grading downward to pinkish gray 7.5 YR, 6/2

CLAY, dark brn, 7.5YR, 4/2

SAND, crs, pinkish gray 7.5YR, 7/2 disturbed

SQZR (Bottom) 11.6 ‰

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12/8/75

VISUAL CORE DESCRIPTION

859' - 874'

~~LEG~~	SITE	HOLE	CORE	SEC
	600		76	1

OBSERVER
EGAW

Graphic Representation | Smear Slides(*) | Deformed Areas

0 cm 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

NO RECOVERY —
EXCEPT 1 cm. white clay TAKEN
FROM INSIDE CORE CATCHER —
AND CUTTINGS

330570

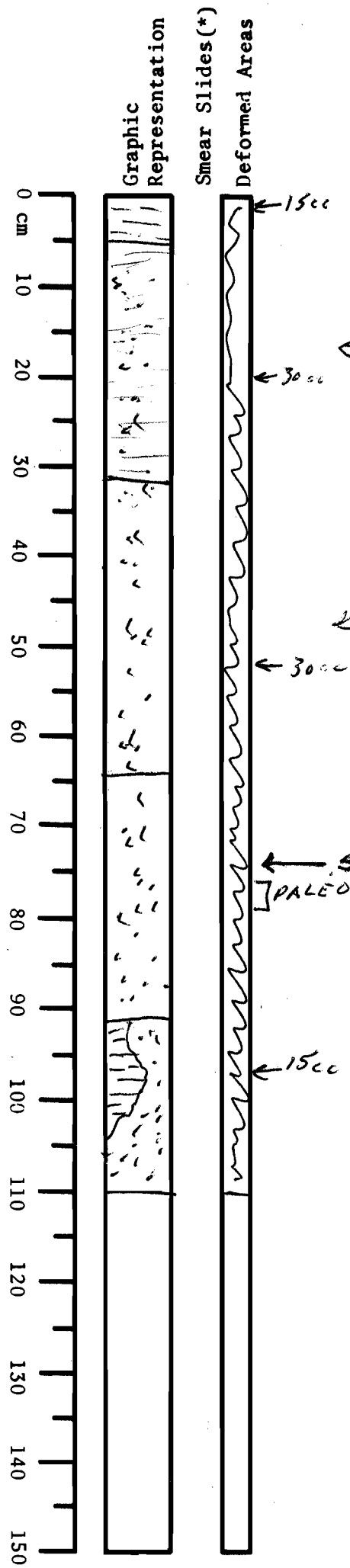
12/8/75

VISUAL CORE DESCRIPTION

874' – 882.5'

LEG	SITE	HOLE	CORE	SEC
6	001		77	1

OBSERVER
EGAW



CLAY – ~~YELLOWISH~~ LT. OLIVE BROWN (2.5Y 5/4) – VERY SLIGHTLY SILTY (MAY REPRESENT SECTION OF CORE 76 WHICH HAD NO RECOVERY)

COARSE SAND IN WET WHITE 10YR 8/1 CLAY MATRIX – MUSHY

CLAY, SANDY, LT OLIVE GRAY 5Y 6/2

COARSE SAND + GRAVEL, CLAYEY, WHITE ~~10YR~~ 2.5Y 8/0

SQZR (75 CM) Salinity 12.5 ‰

PATCHES OF CLAY LT. GRAY 2.5Y 7/0 AND COARSE SAND, CLAYEY LT. GRAY 5Y 7/1

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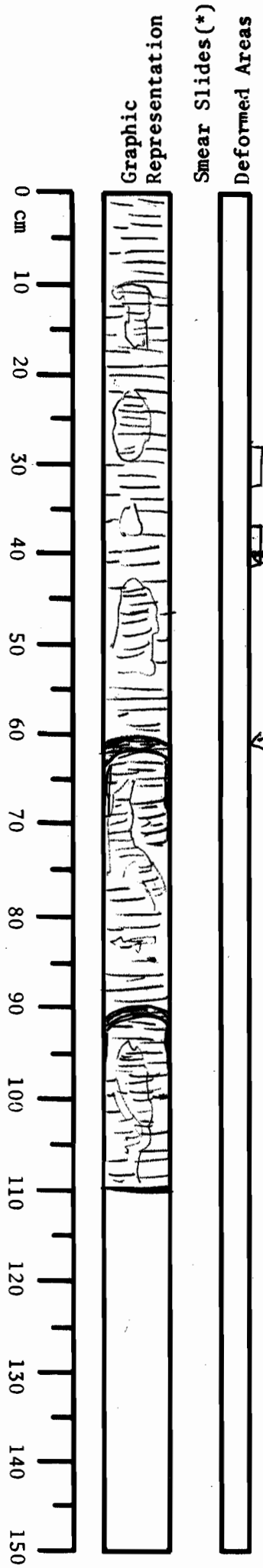
12/9/75

VISUAL CORE DESCRIPTION

874-882.5

LEG	SITE	HOLE	CORE	SEC
6	0 0 1		7 7	2

OBSERVER: JCH



CLAY, FIRM, HARD, SLIGHTLY SILTY
GRAY, 5Y 6/1
MOTTLED WITH OLIVE, 5Y 5/4 + REDDISH BROWN 2.5YR 4/4
AND GRAY 10YR 5/1

PALYN.

PALEO
30cc
15cc

15cc ← SLIPPAGE ZONE, CORE PROBABLY ROTATED
FILLED WITH PLASTIC CLAY, LT OLIVE BROWN 2.5Y 5/4
PLASTIC CLAY SMEARED DOWN SIDES OF CORE

← MOTTLED ZONE, COLORS AS IN 0-60 cm
BUT MORE REDDISH BROWN AREAS

← SLIPPAGE ZONE, CORE PROBABLY ROTATED,
FILLED WITH PLASTIC CLAY, LT. OLIVE BROWN 2.5Y 5/4

MOTTLED ZONE, COLORS AS IN 60-90 cm ABOVE

330570

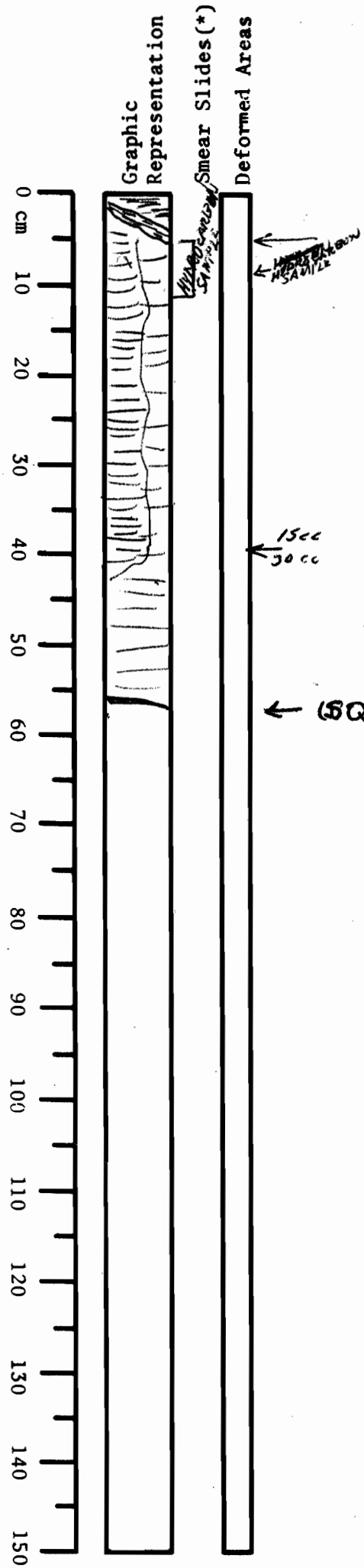
12/9/75

VISUAL CORE DESCRIPTION

874' – 882.5'

LEG	SITE	HOLE	CORE	SEC
6	001		77	3

OBSERVER
JCH



FAULT ZONE?
CLAY, PALE RED 10R 6/3
SLIKENSIDEDS ON FRACTURE SURFACE

CLAY, SLIGHTLY SILTY
VARIEGATED, MOTTLED GRAY, LT OLIVE BROWN 2.5Y 5/4
AND REDDISH BROWN 2.5YR 4/4

VARIEGATED, LT YELLOWISH BROWN, 2.5Y 6/4, WEAK RED AND LT GRAY

← (SQZR-(Bottom) Salinity 5.9, 6.4

330570

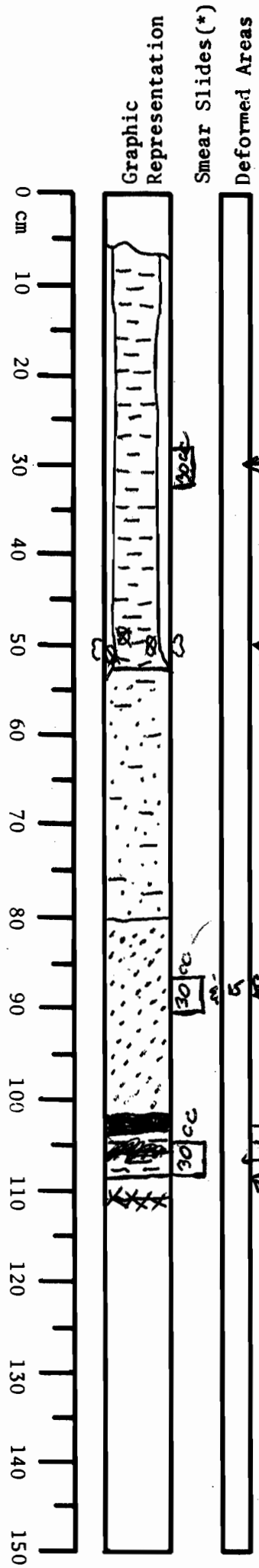
12-9-75

DEPTH INTERVAL 882.5 - 889 FEET

VISUAL CORE DESCRIPTION

LEG	SITE	HOLE	CORE	SECT
	6001		7801	

OBSERVER: ~~Hathaway~~ O'HARA



CAVINGS & SHAVINGS w/ cobbles 2-3 cm diam.

CLAY - micaceous, silty mottled grey (5YR, 8/1) and pink (10R, 4/8) (Pink concentrated 20-40 cm) and yellow (10YR, 5/6); short root casts 40-51 cm (poss. soil zone)

30 cc

GRAVEL - Cavings from uphole - removed for exam; plastered to outside of core; 0 to 50 cm has reduced diameter; probably this portion was cut on previous core run, but not recovered til now.

SILT - sandy, argillaceous, micaceous - mottled ~~grey~~ & yellow as above.

SAND & SILT - v. fine sd & silt, grey (5YR, 8/1) micaceous; minor patches of mottling

30 cc

CLAY - distinct band of dark yellow-brown (10YR, 5/6)

CLAY - thin layer at core bottom of red clay (10R, 4/8) w/ gray clay (5YR, 8/1) inclusions

30 cc

T.D. @ 109 cm.

SQZR - SALINITY AV. 4.5 ‰

330570

12-9-75

VISUAL CORE DESCRIPTION

Interval CORED 889' – 907'

LEG	SITE	HOLE	CORE	SEC
6	0 0 1		7 9	0 1

OBSERVER: POAG

No core recovered – Retained scrapings from lower 1meter on inside and outside of core barrell. Red clay (5YR, 5/6) w/ mottled grey inclusions – 1 pebble.

Graphic Representation	Smear Slides(*)	Deformed Areas

0 cm 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150