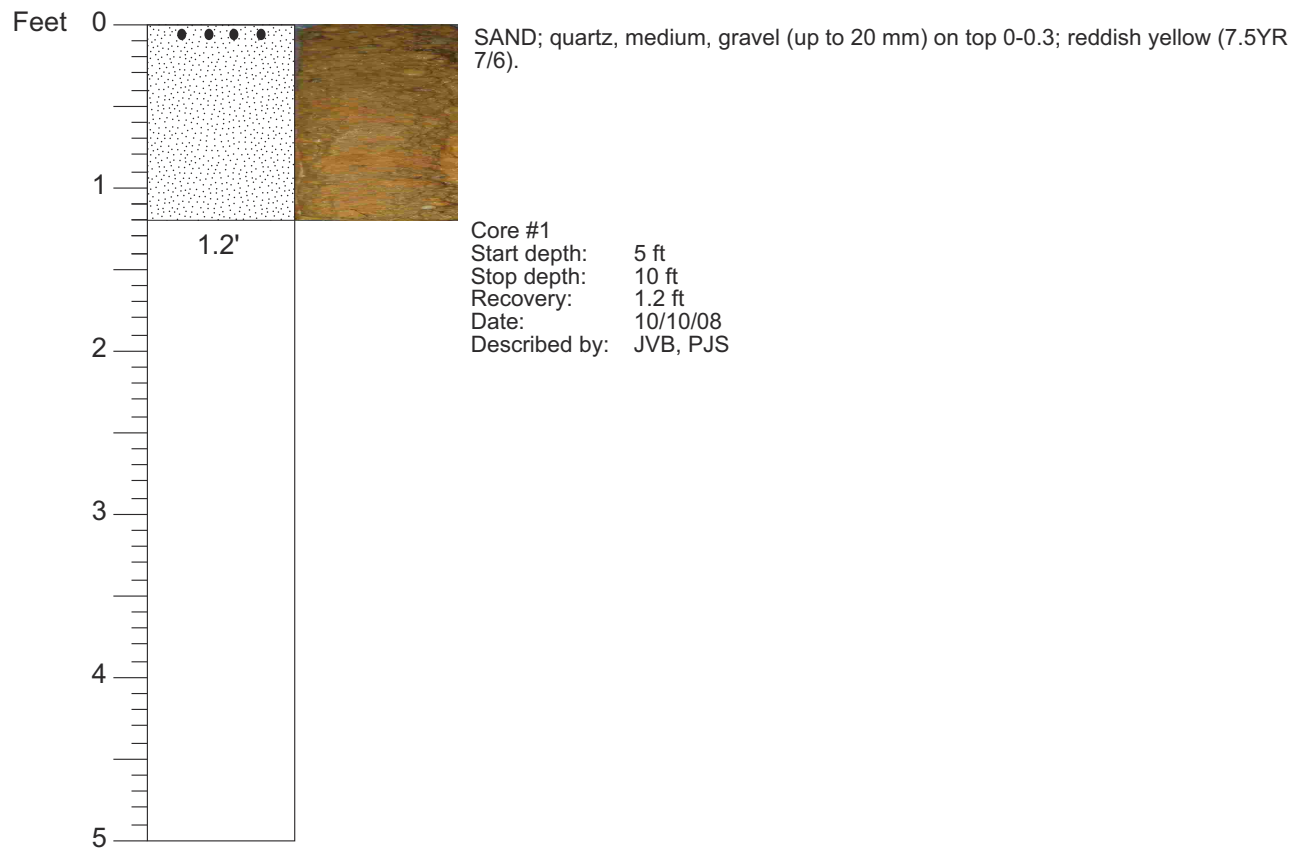


CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

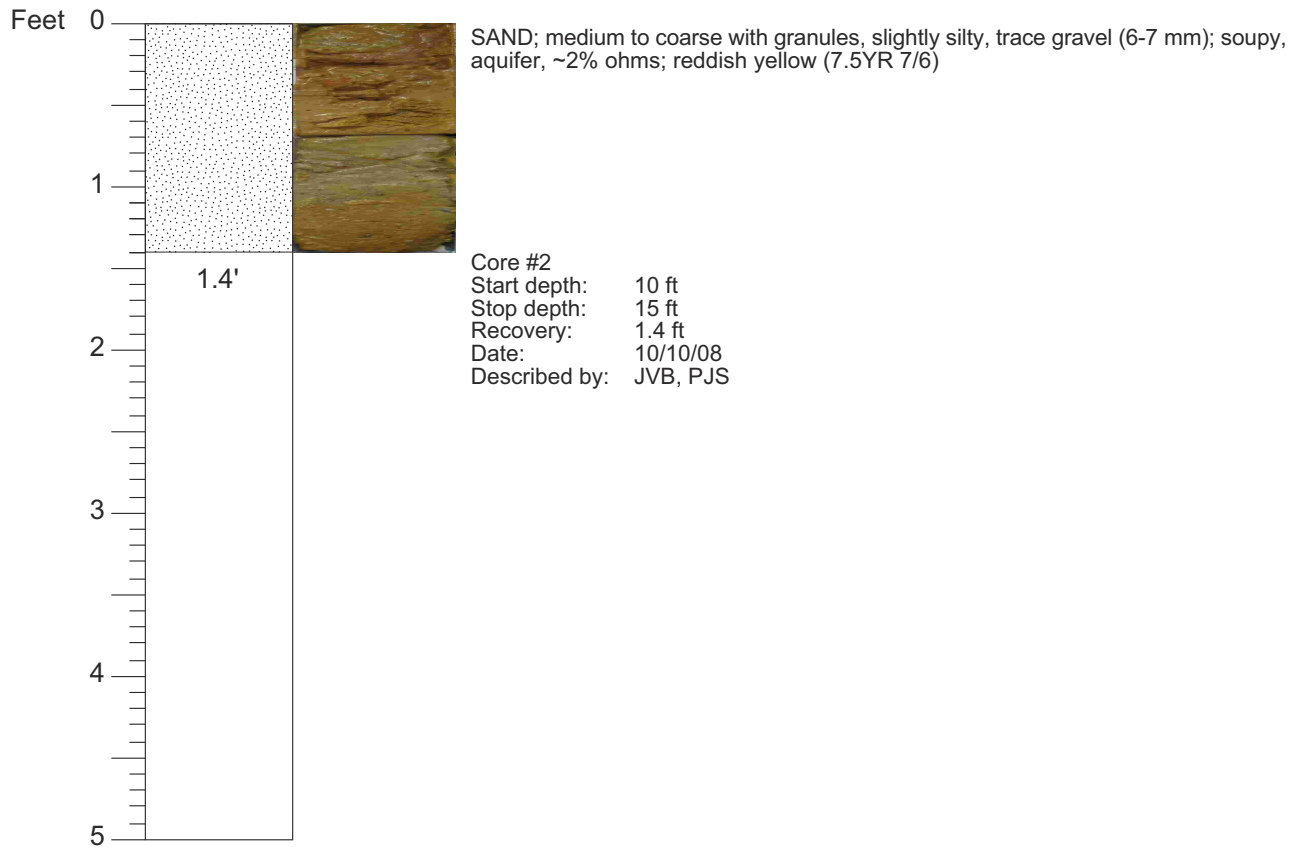
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

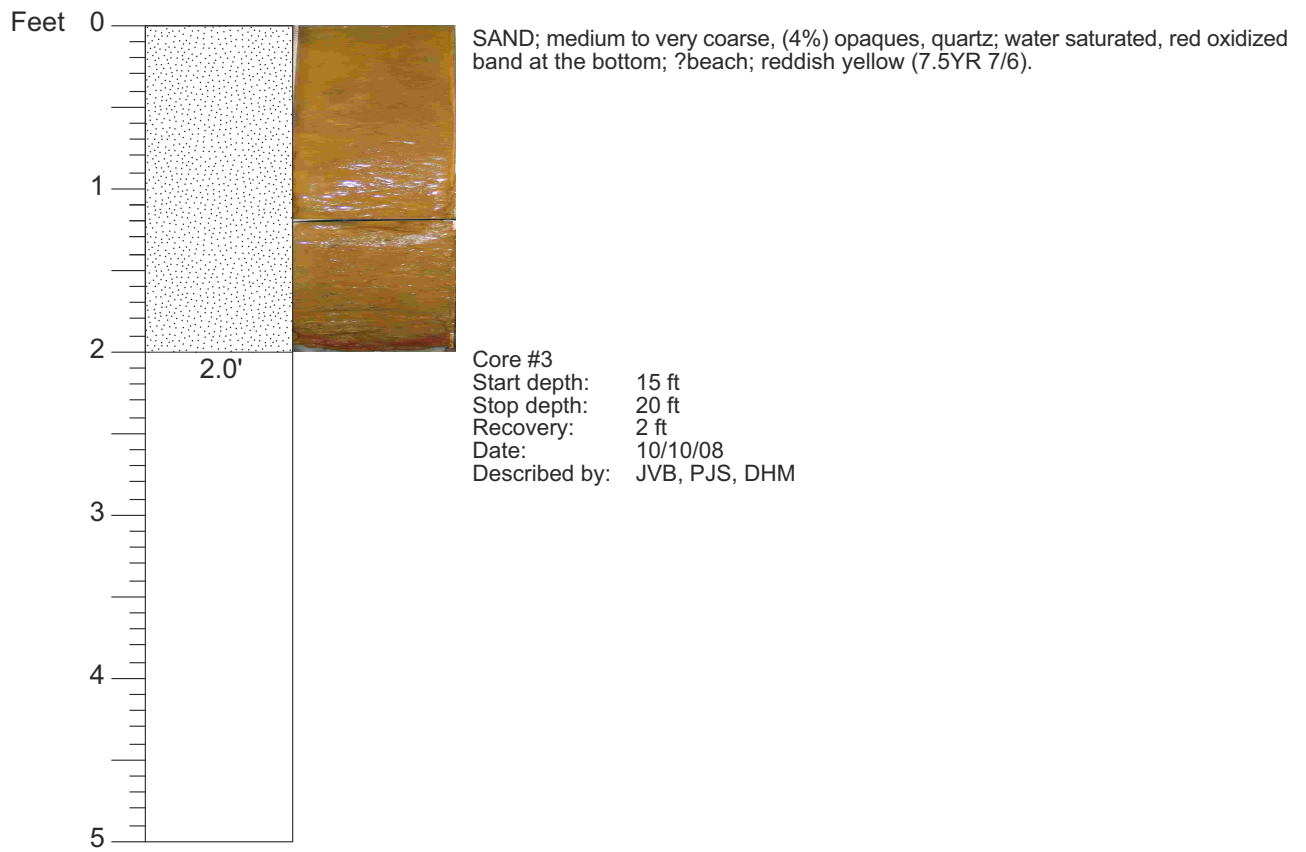
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

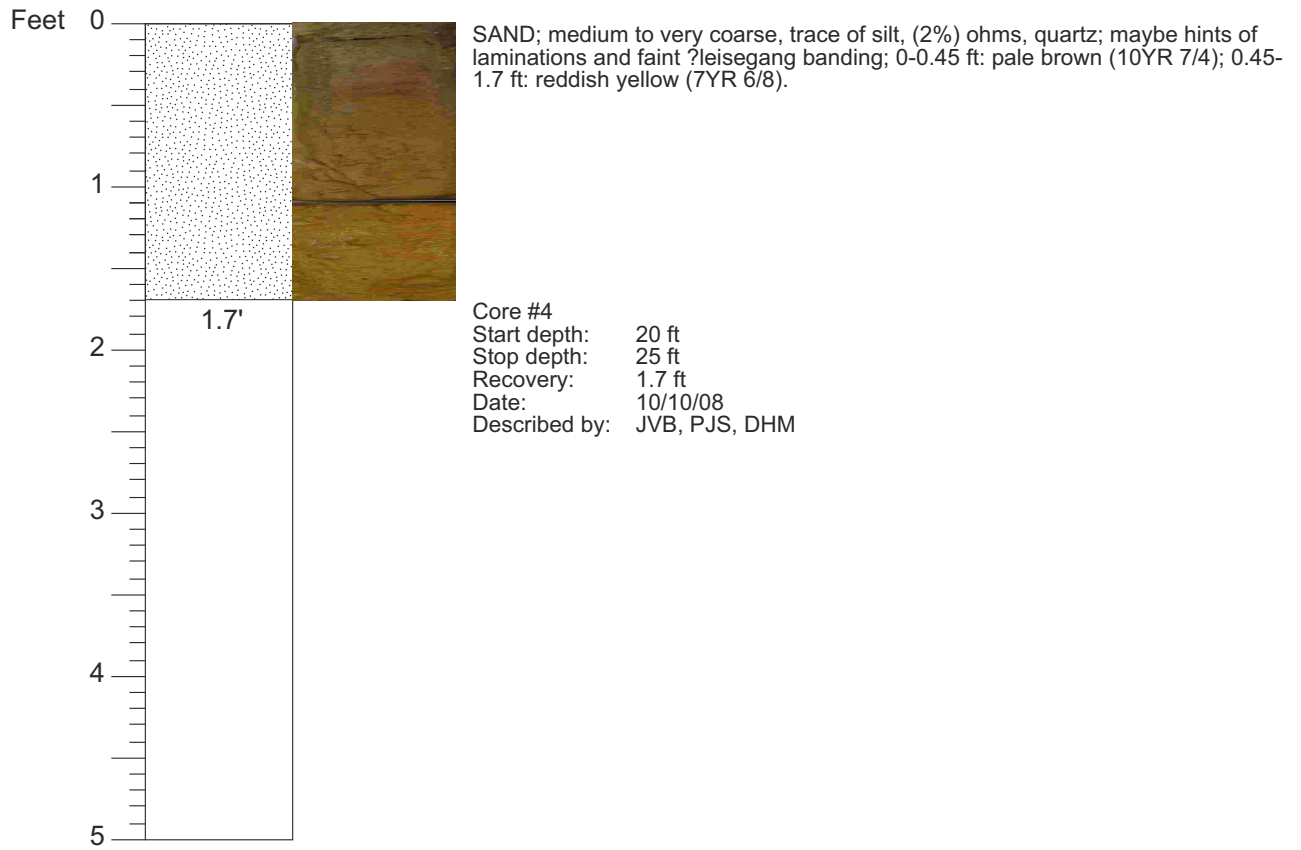
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

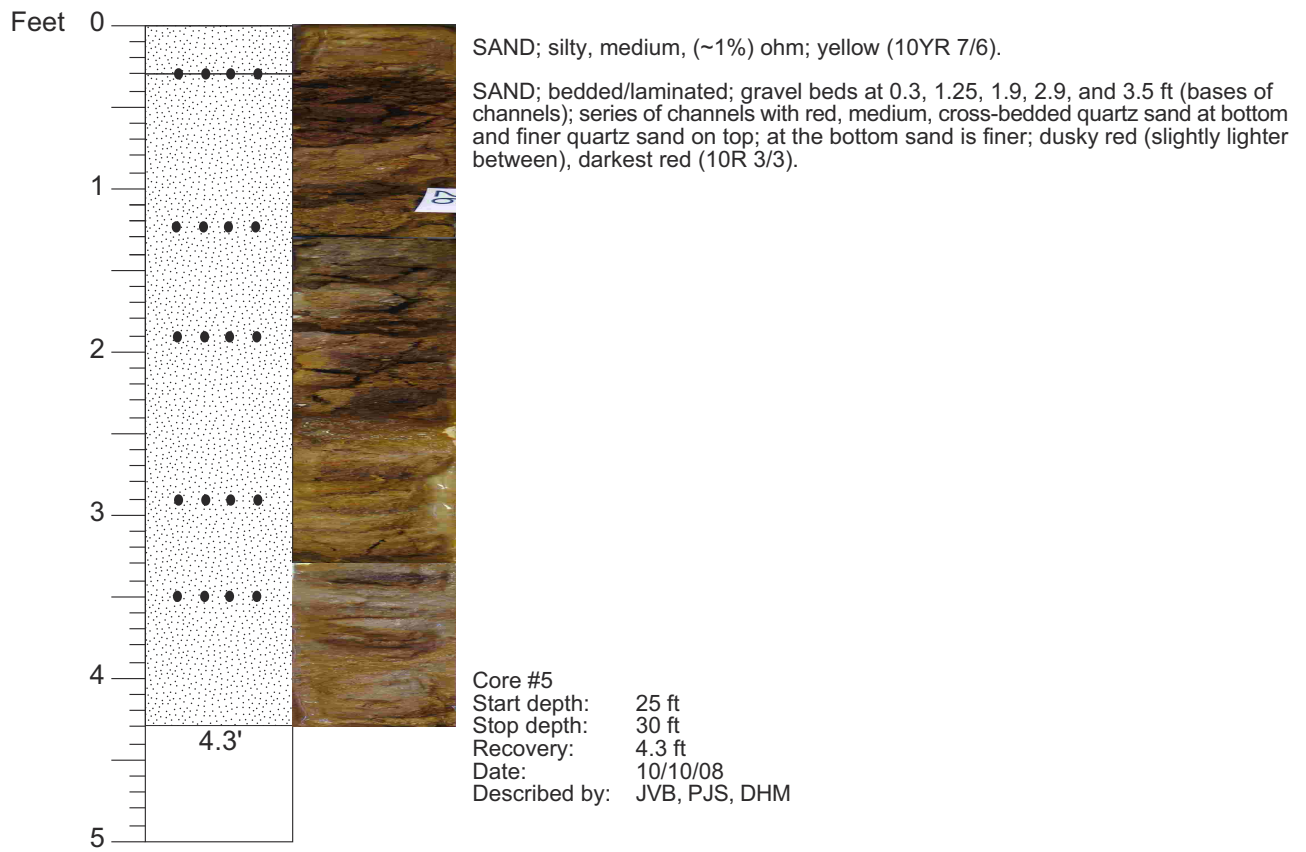
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

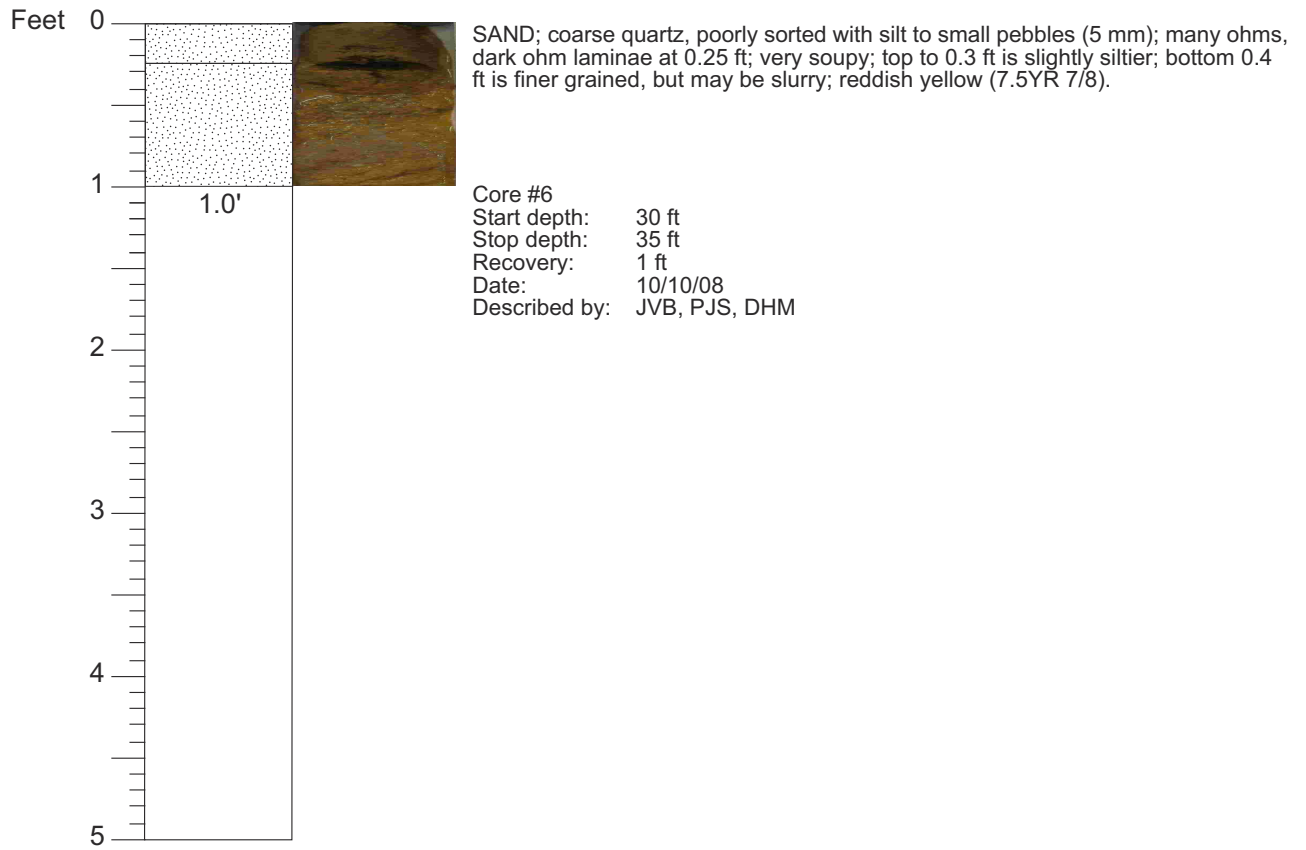
5



CORE DESCRIPTIONS

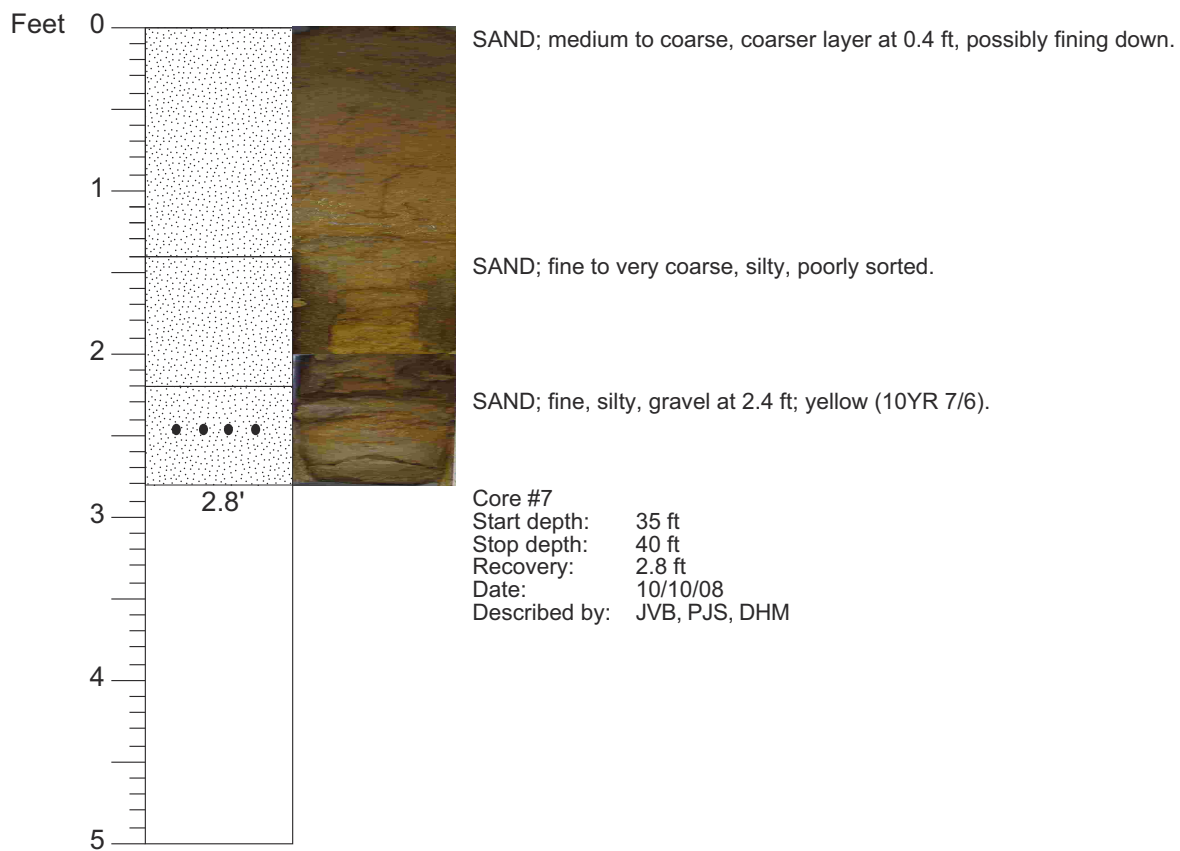
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

6



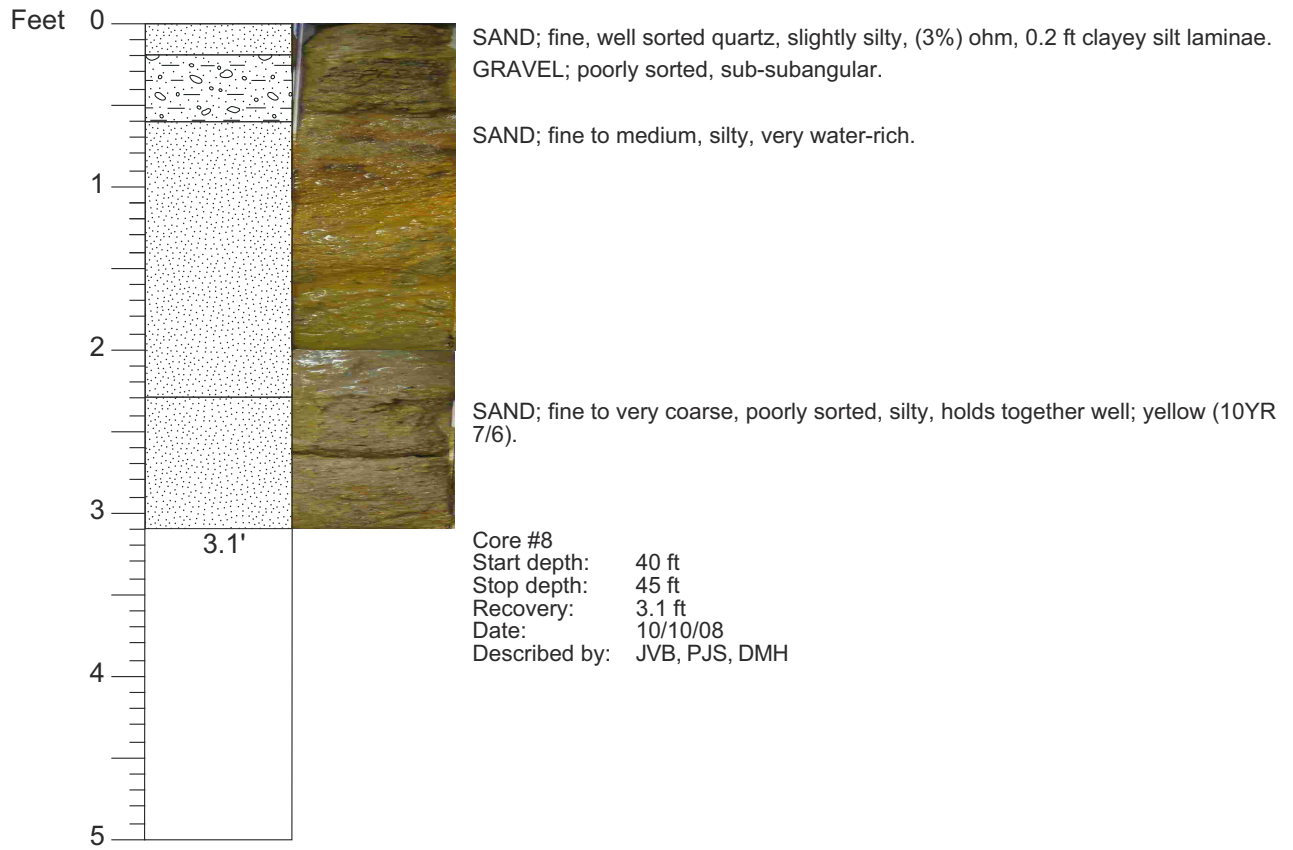
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

7



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

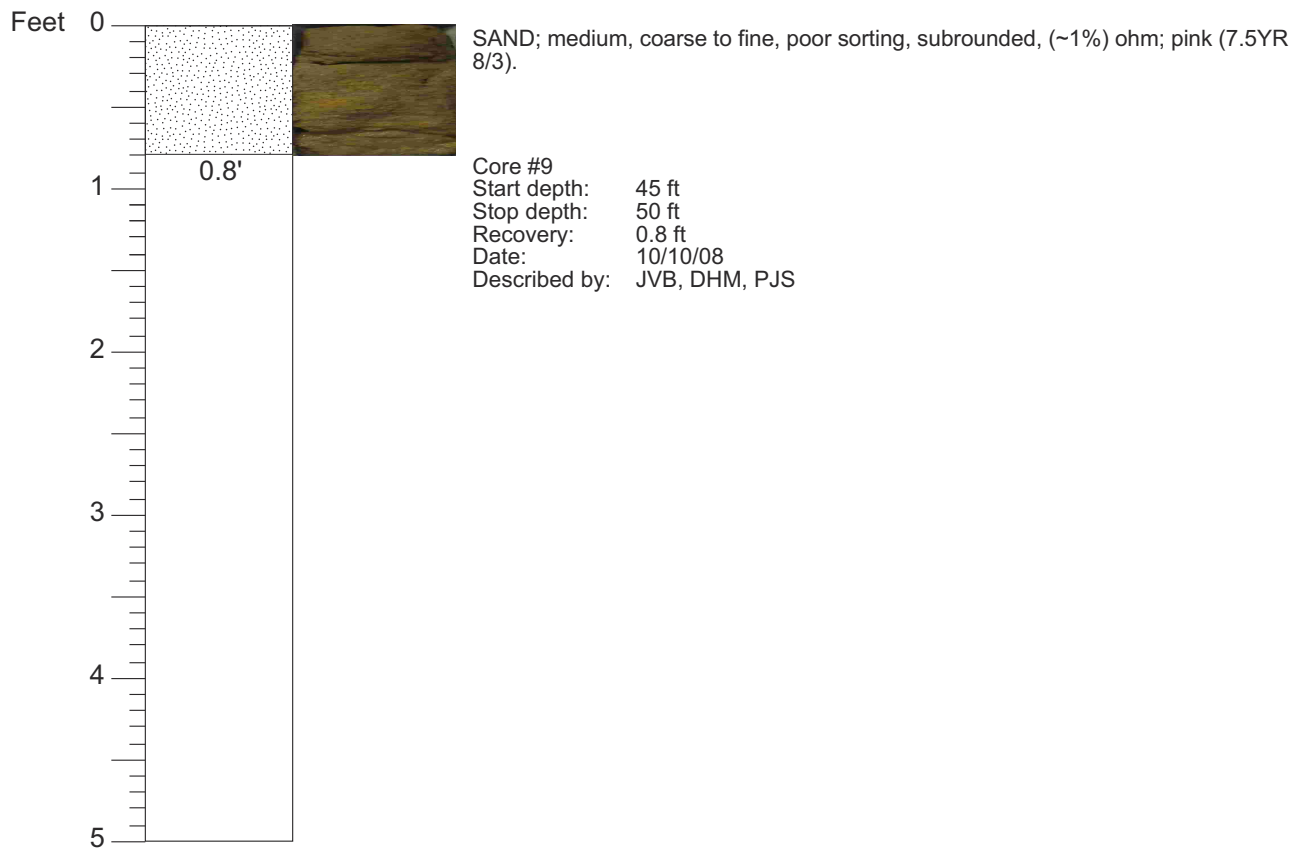
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

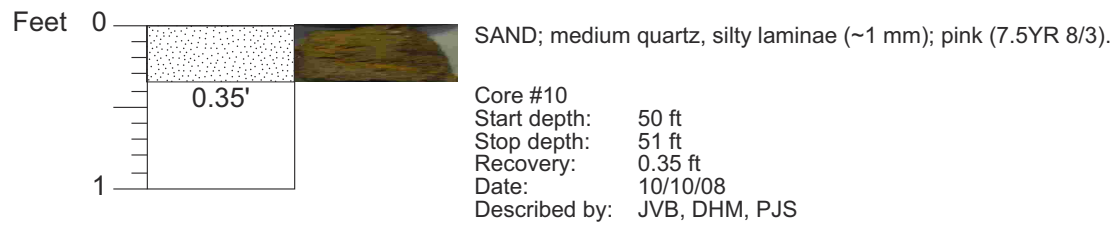
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CORE DESCRIPTIONS

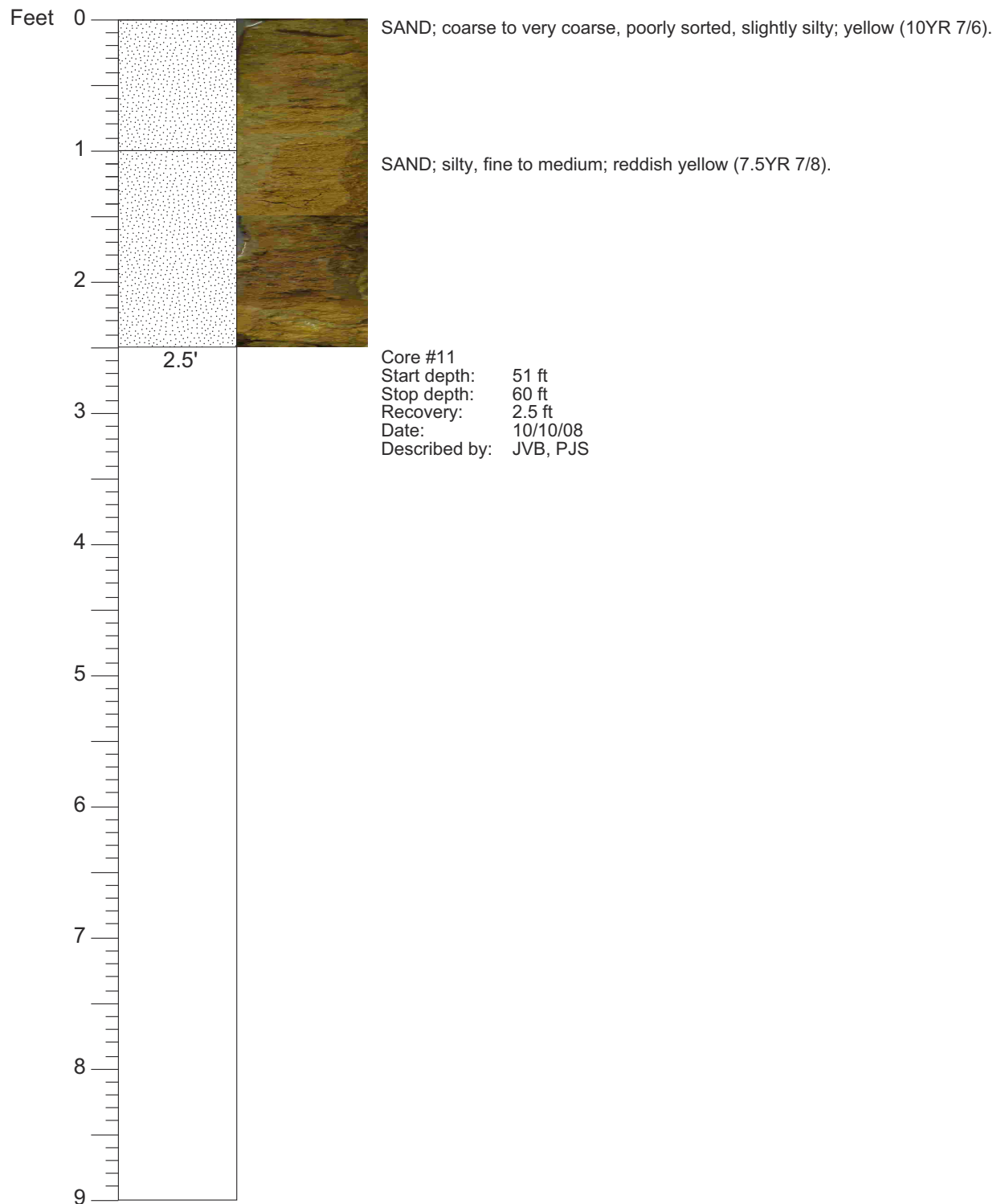
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

10



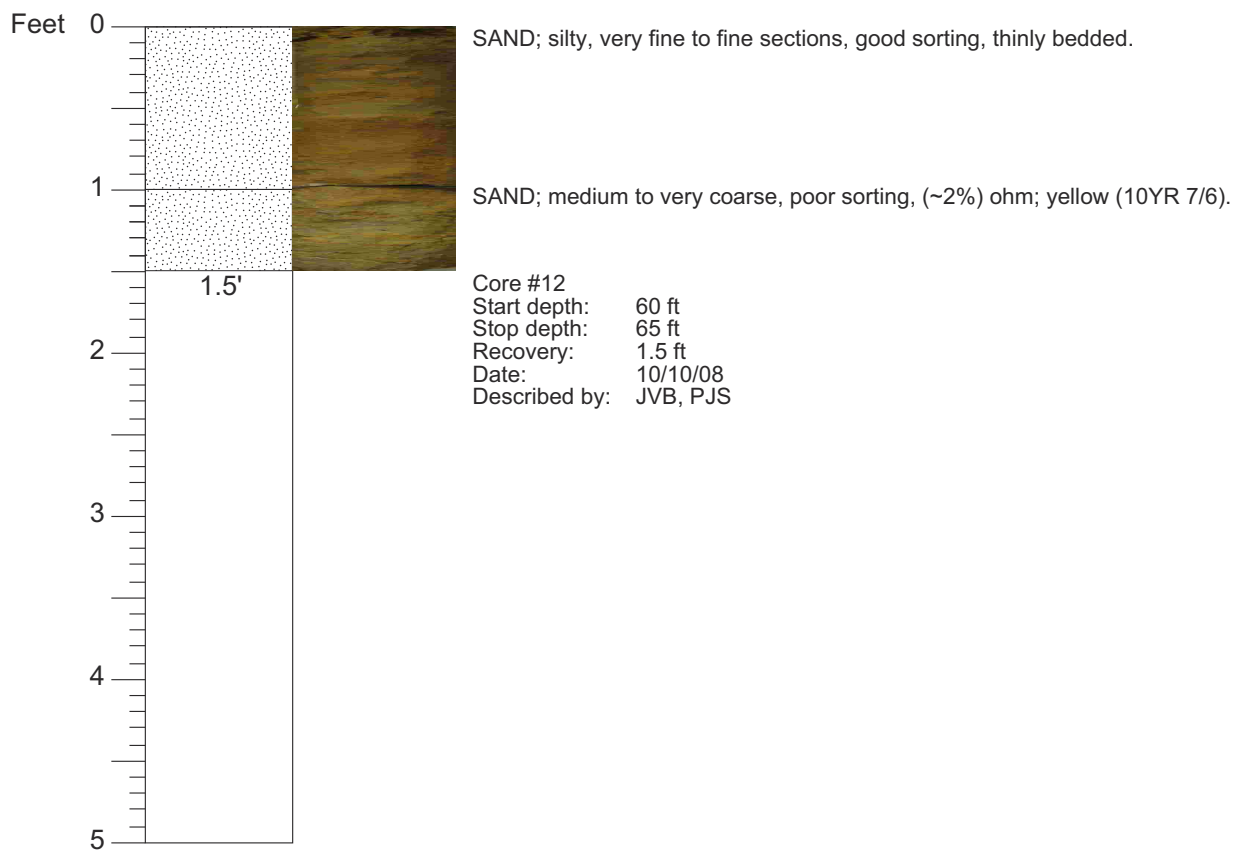
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

11



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

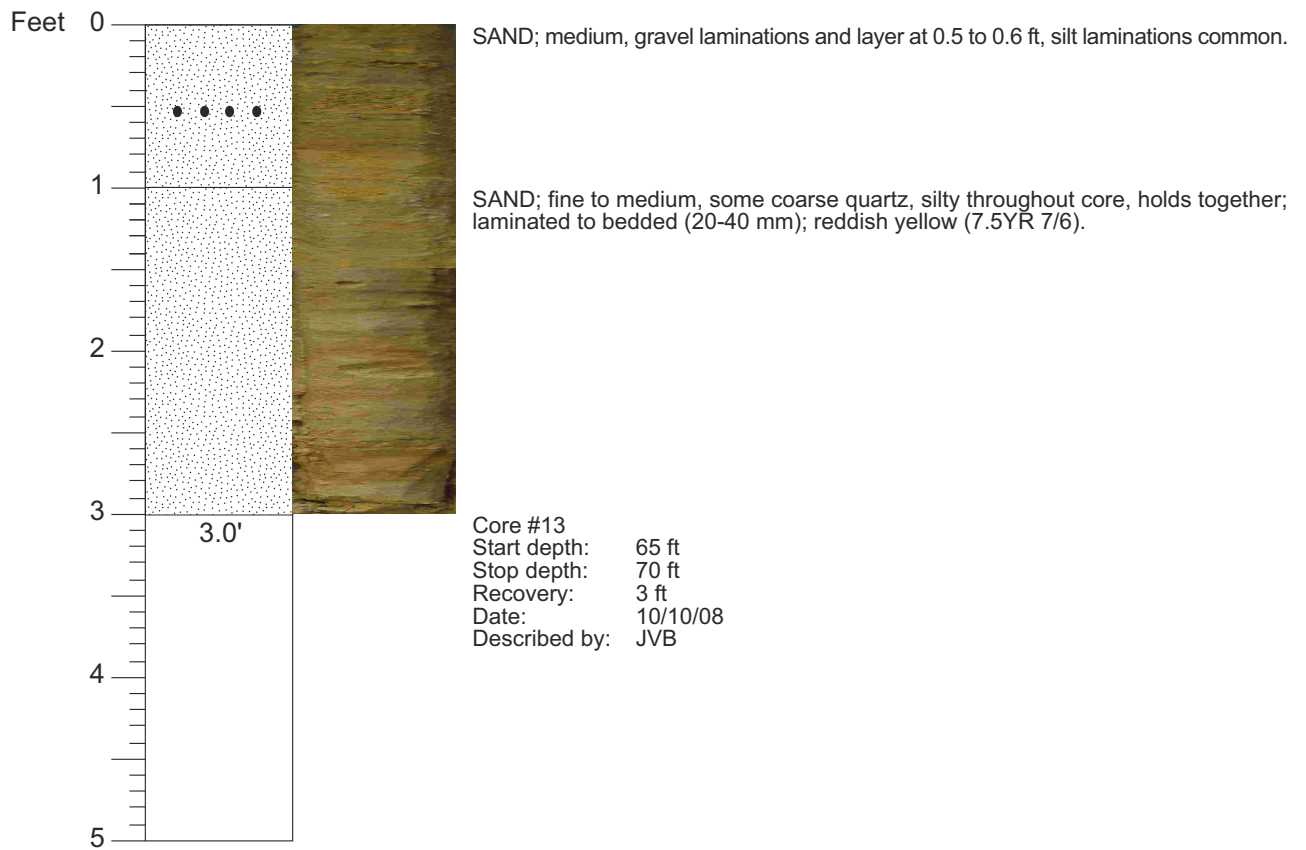
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

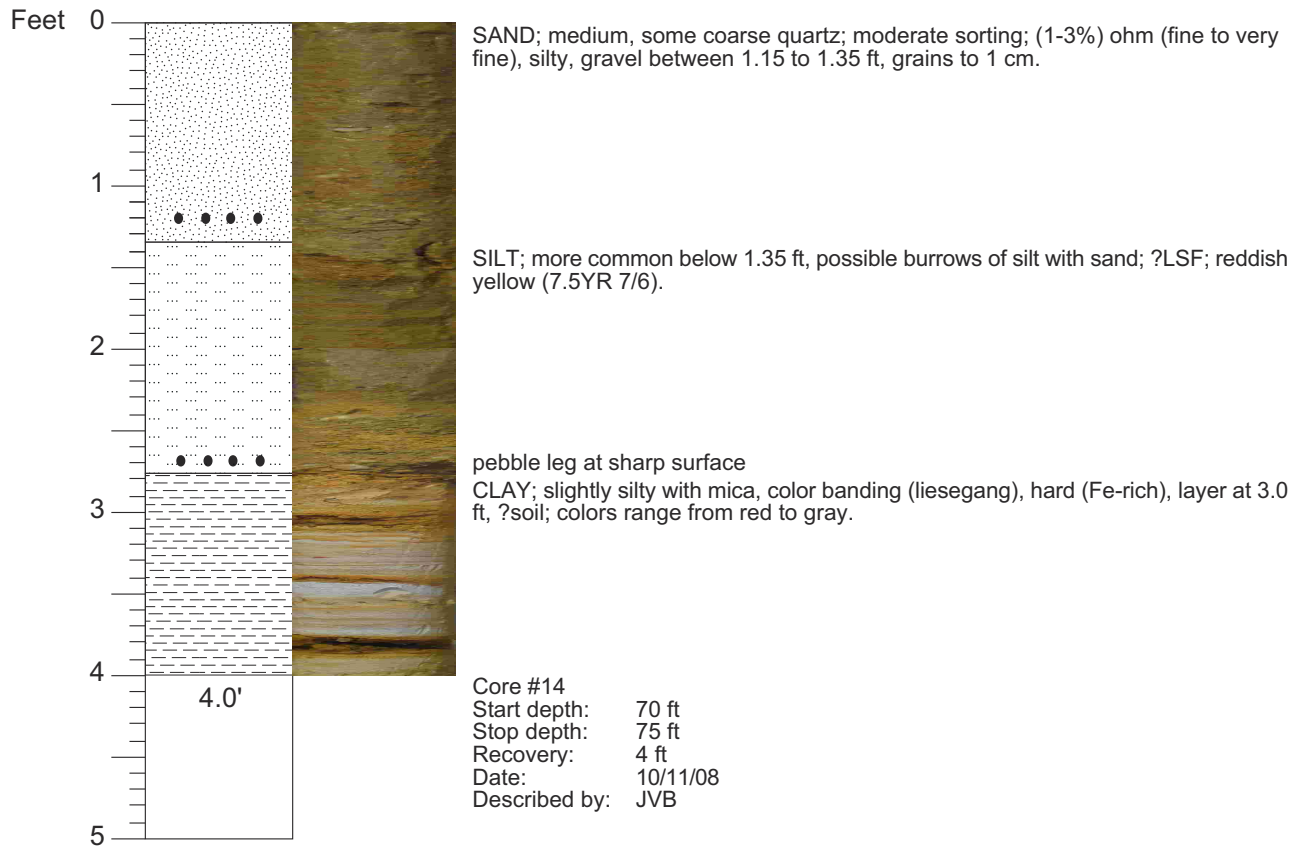
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

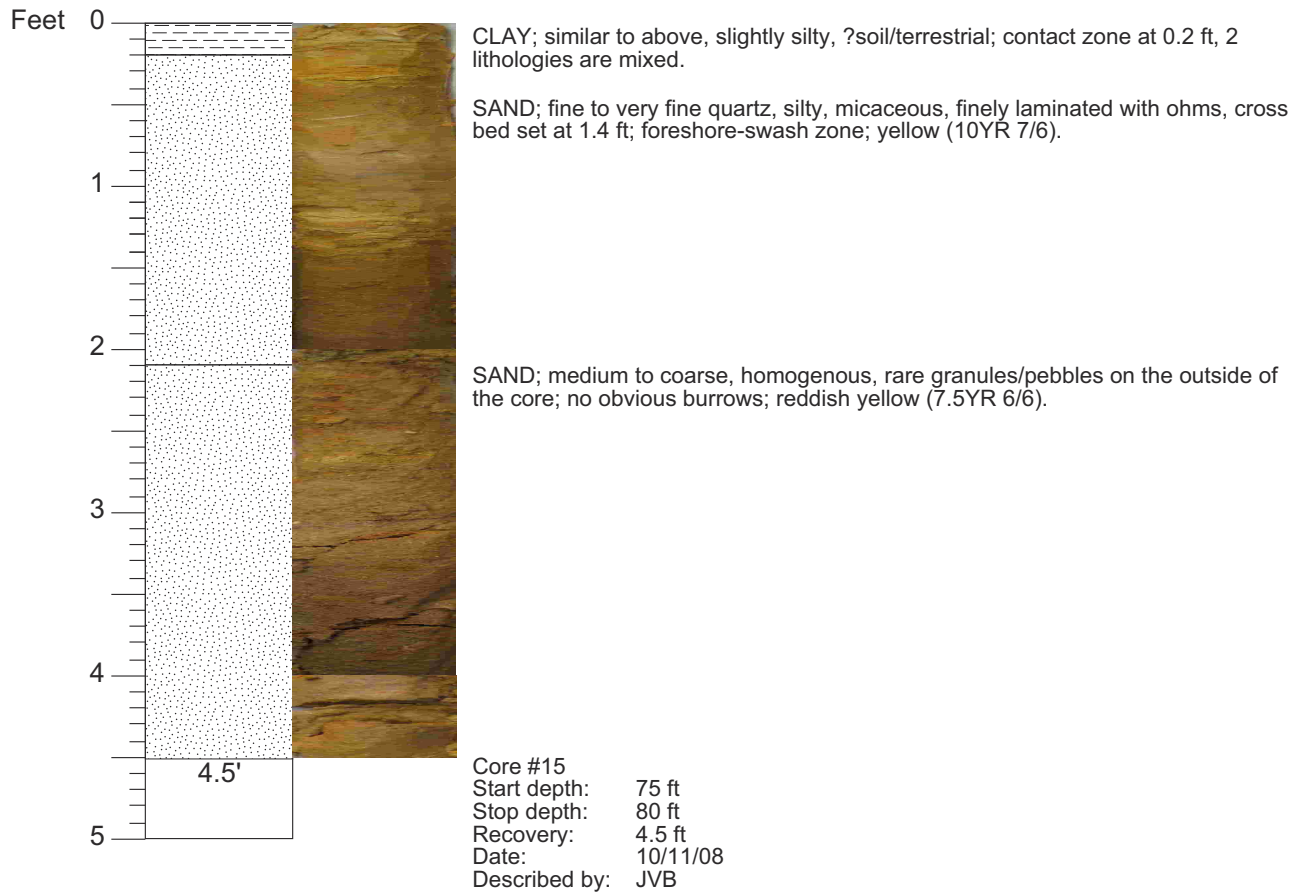
14



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

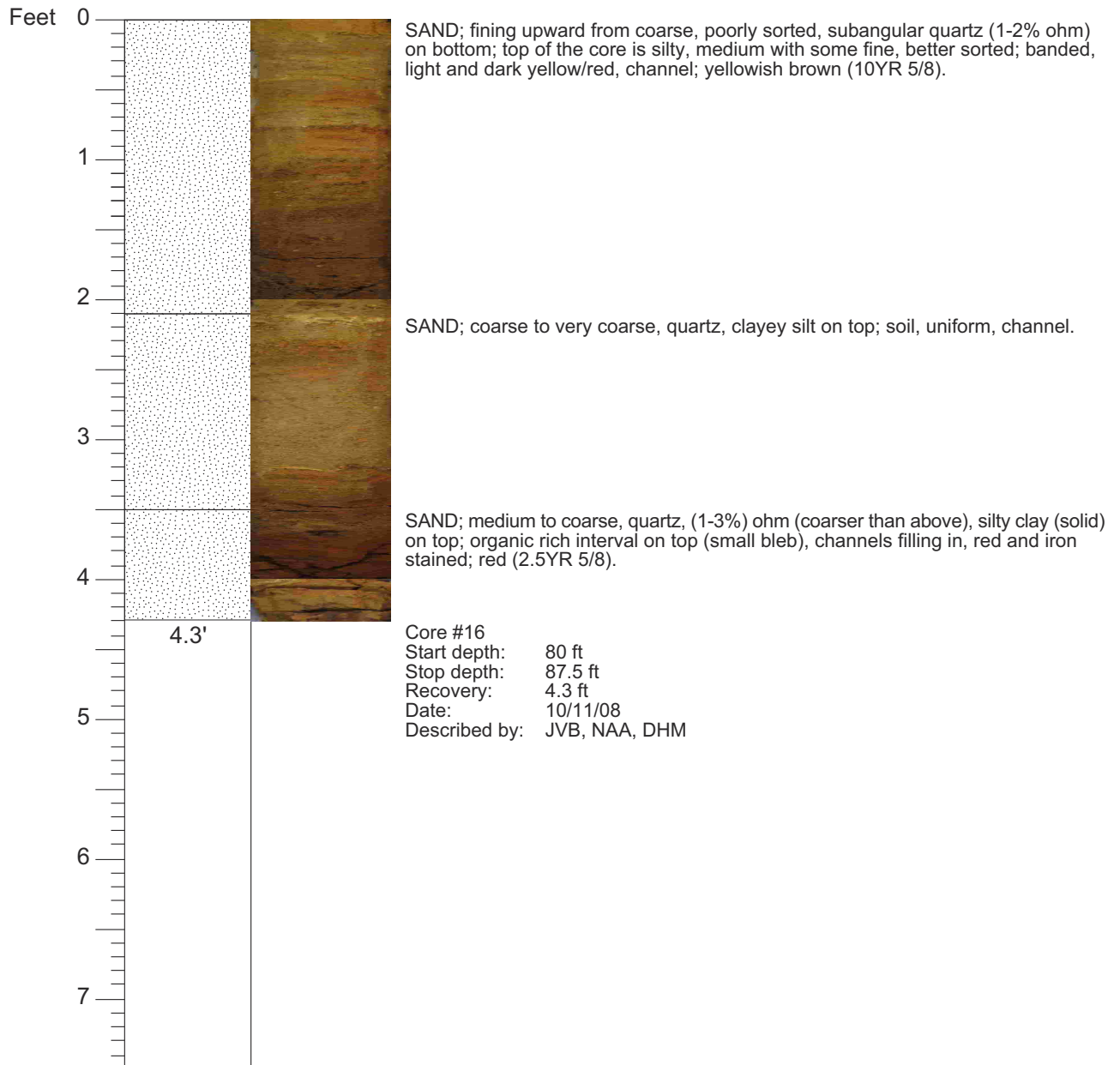
15



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

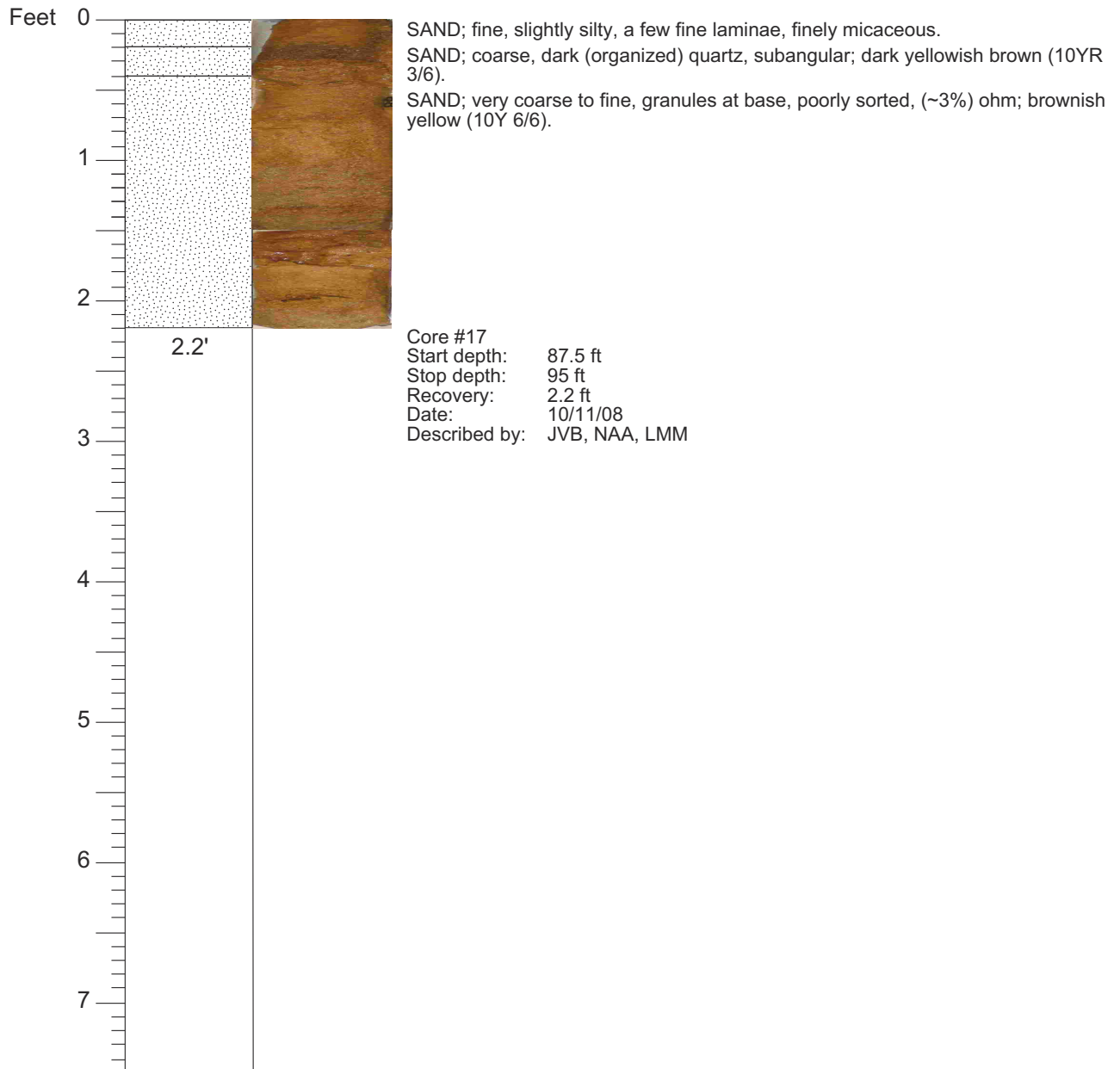
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

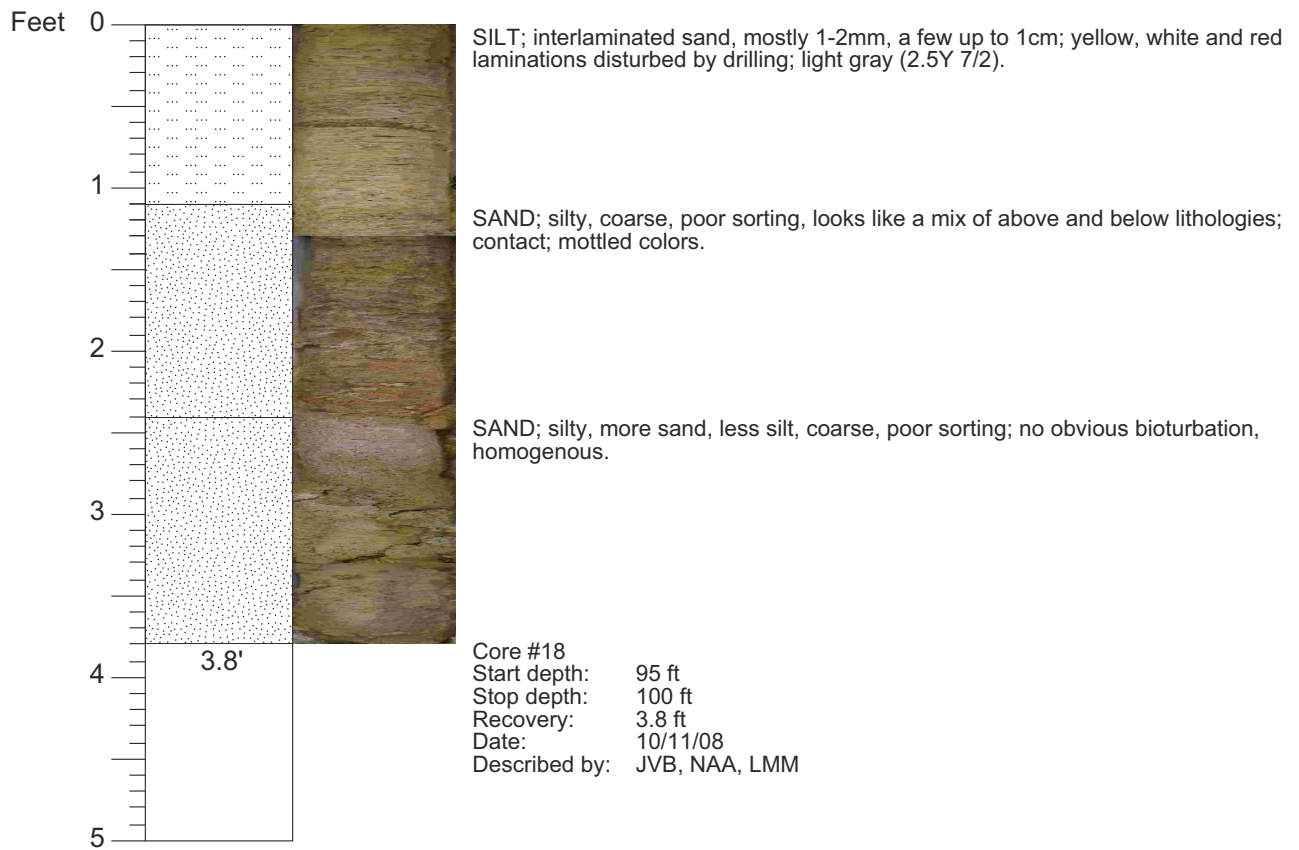
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

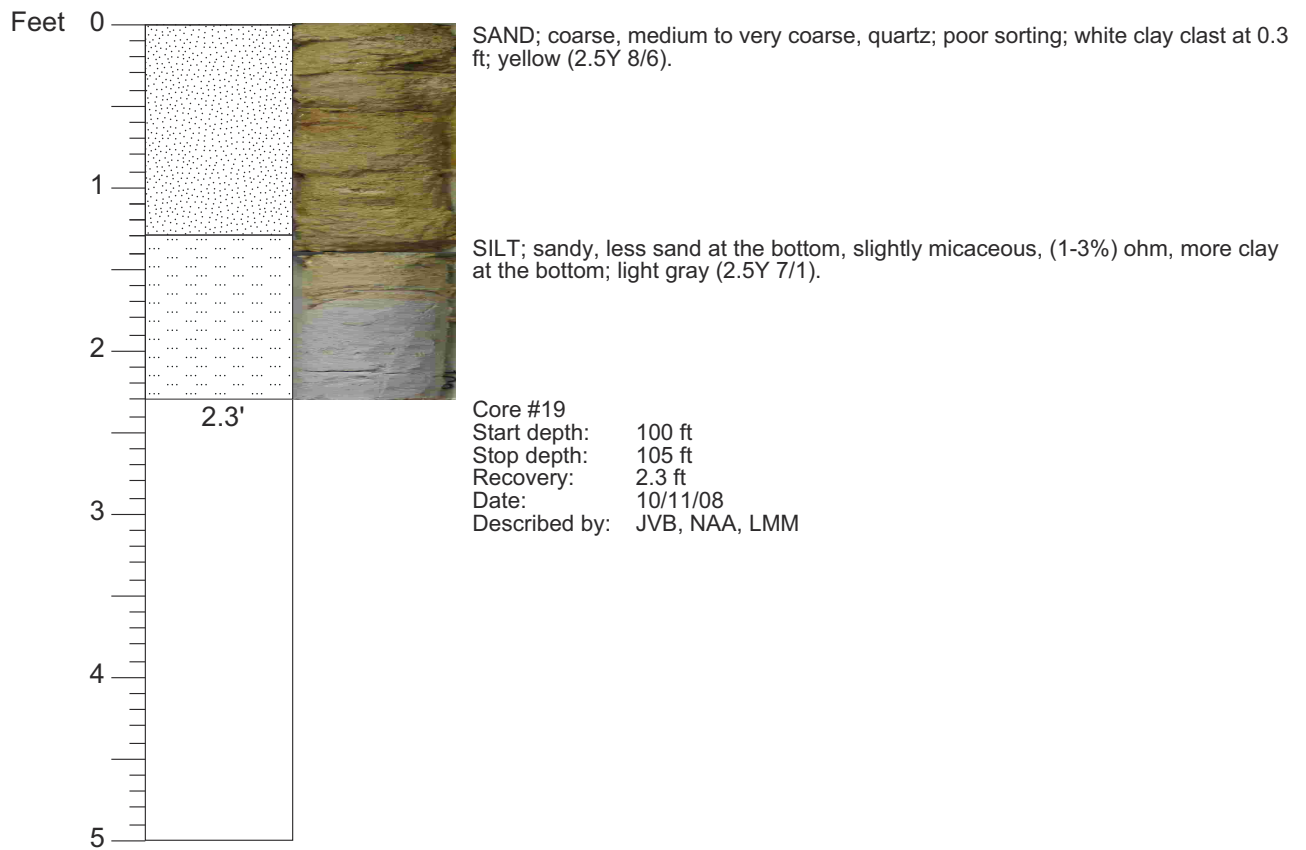
18



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

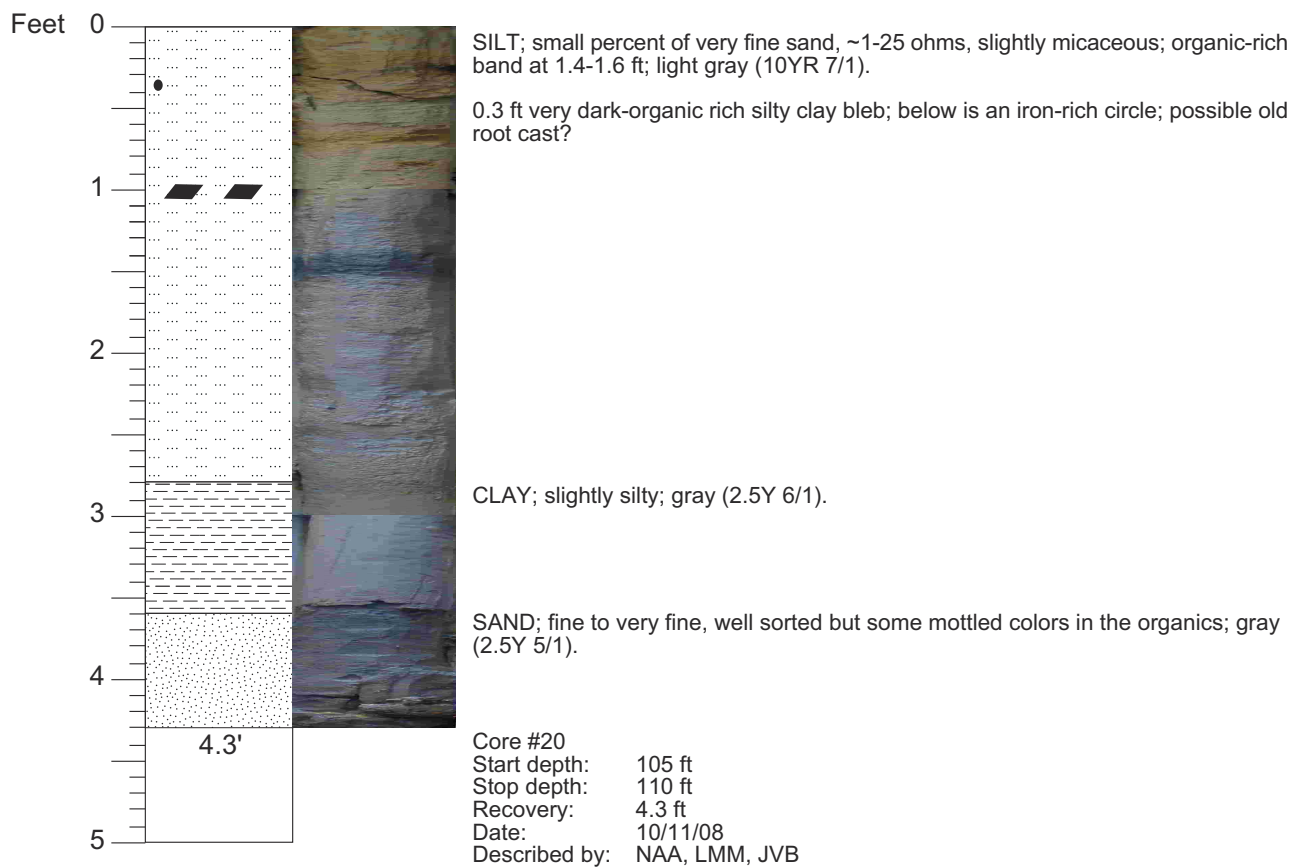
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

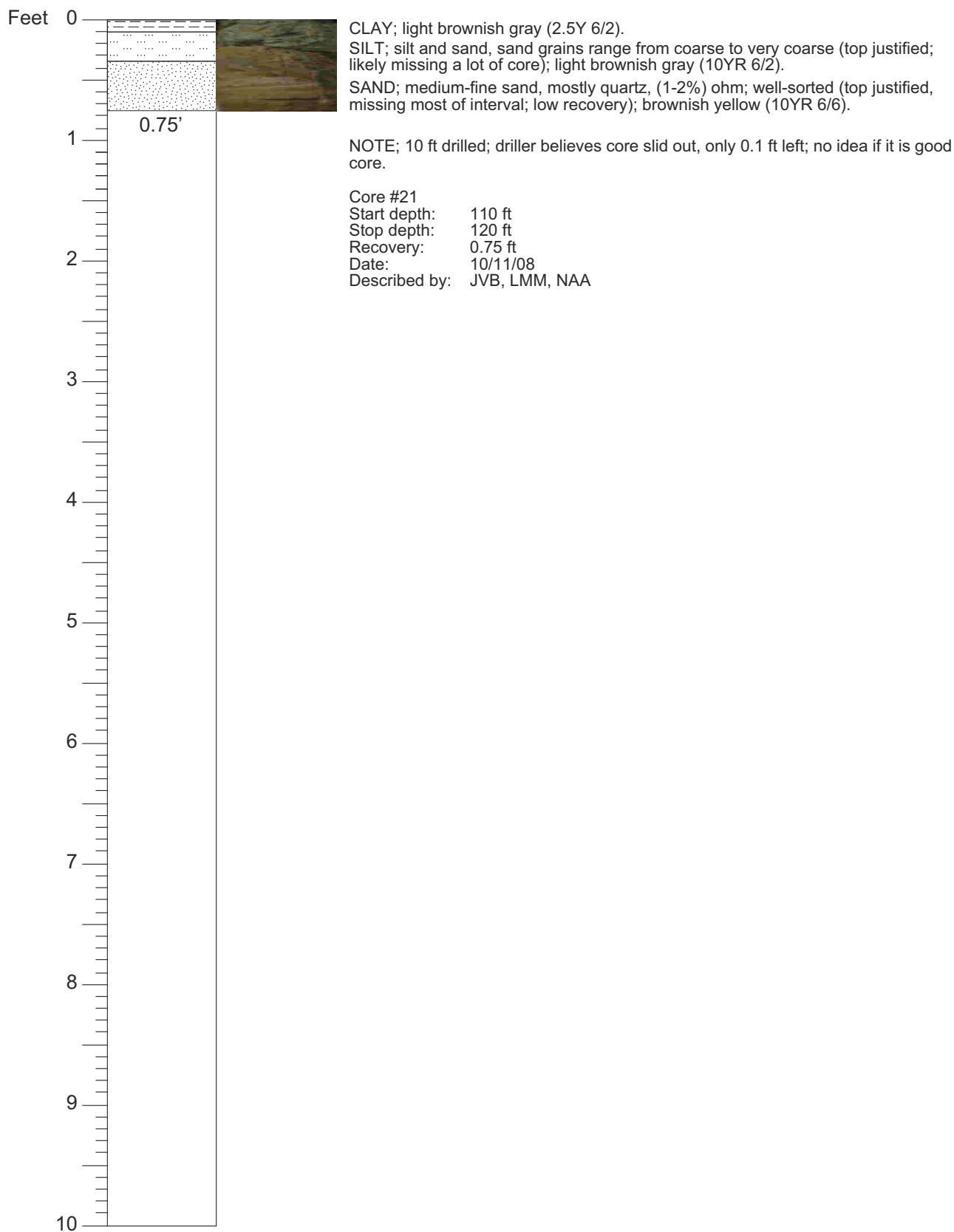
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

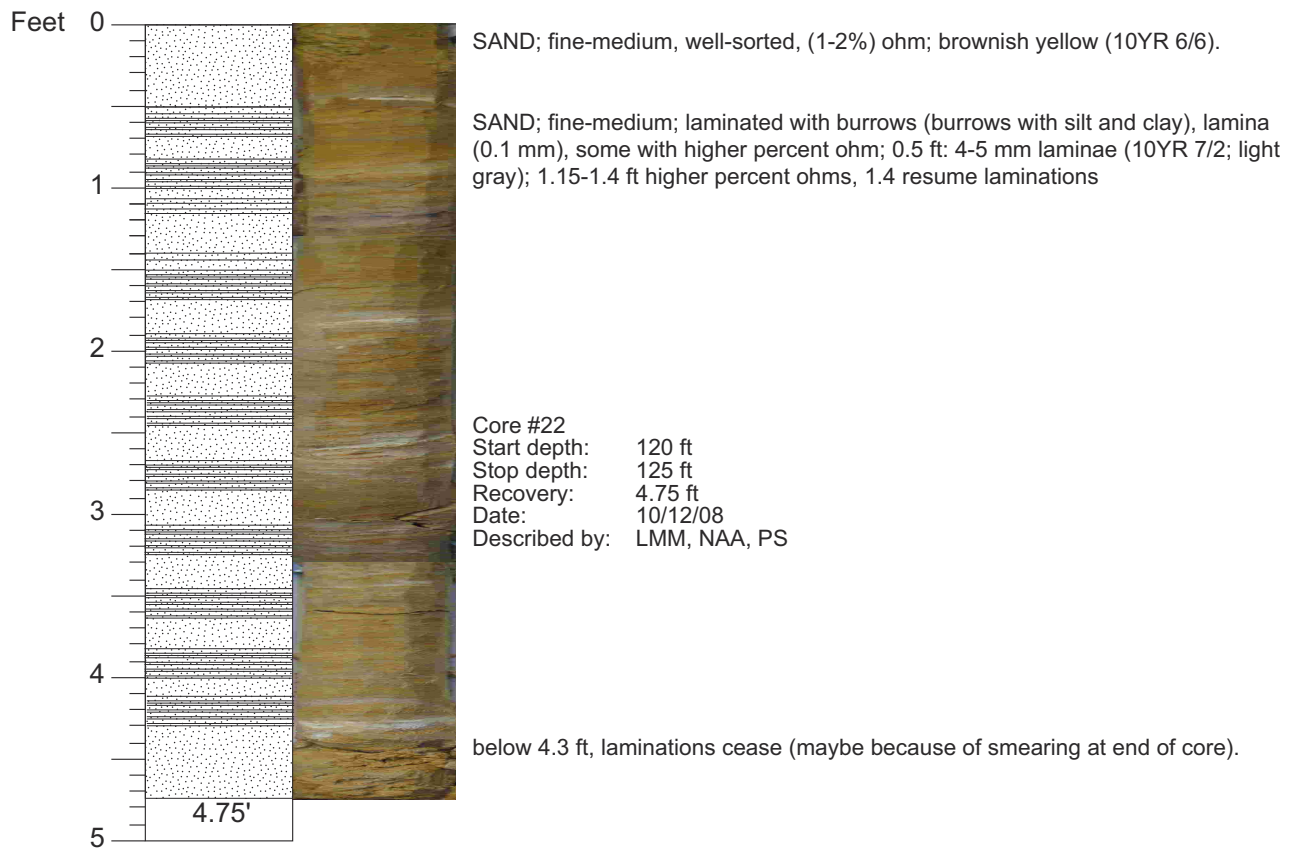
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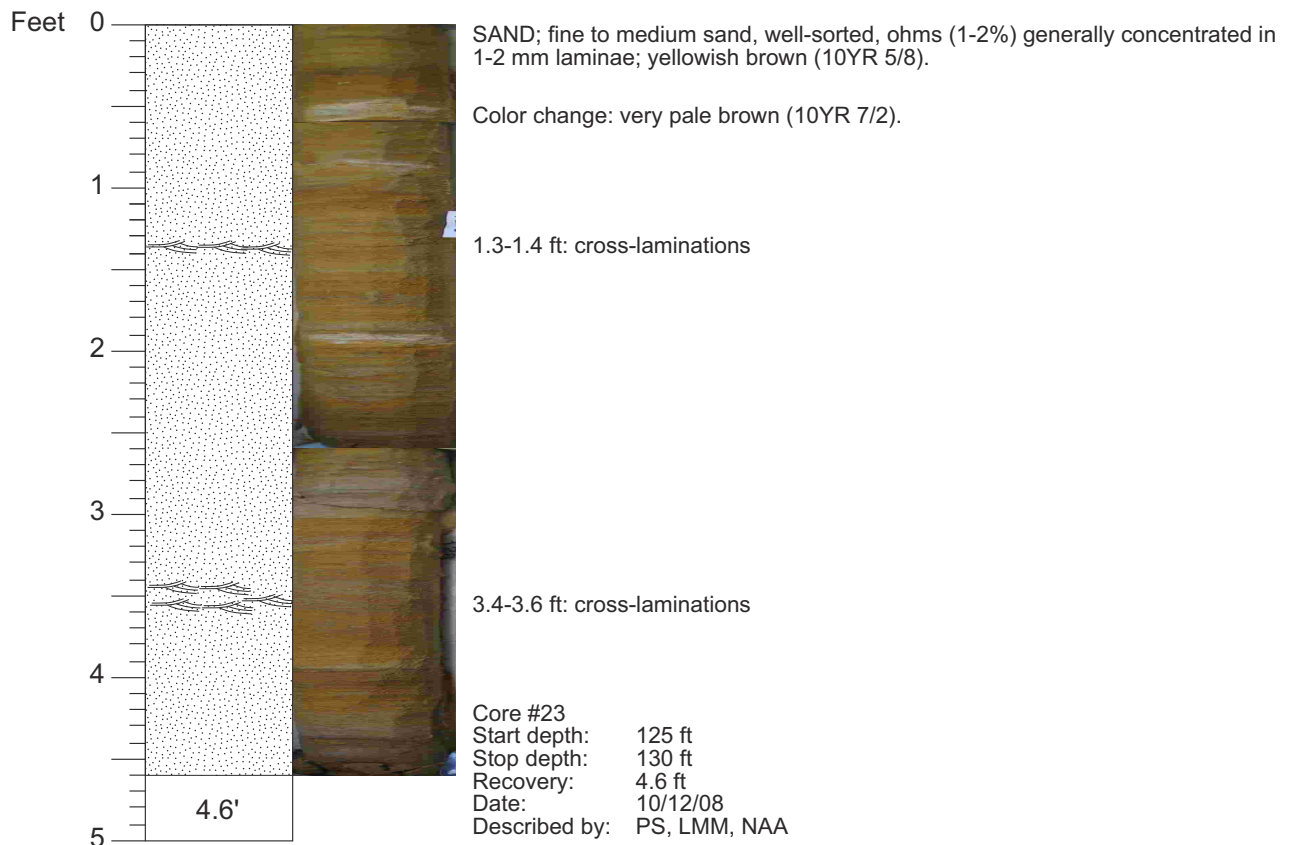


CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

22

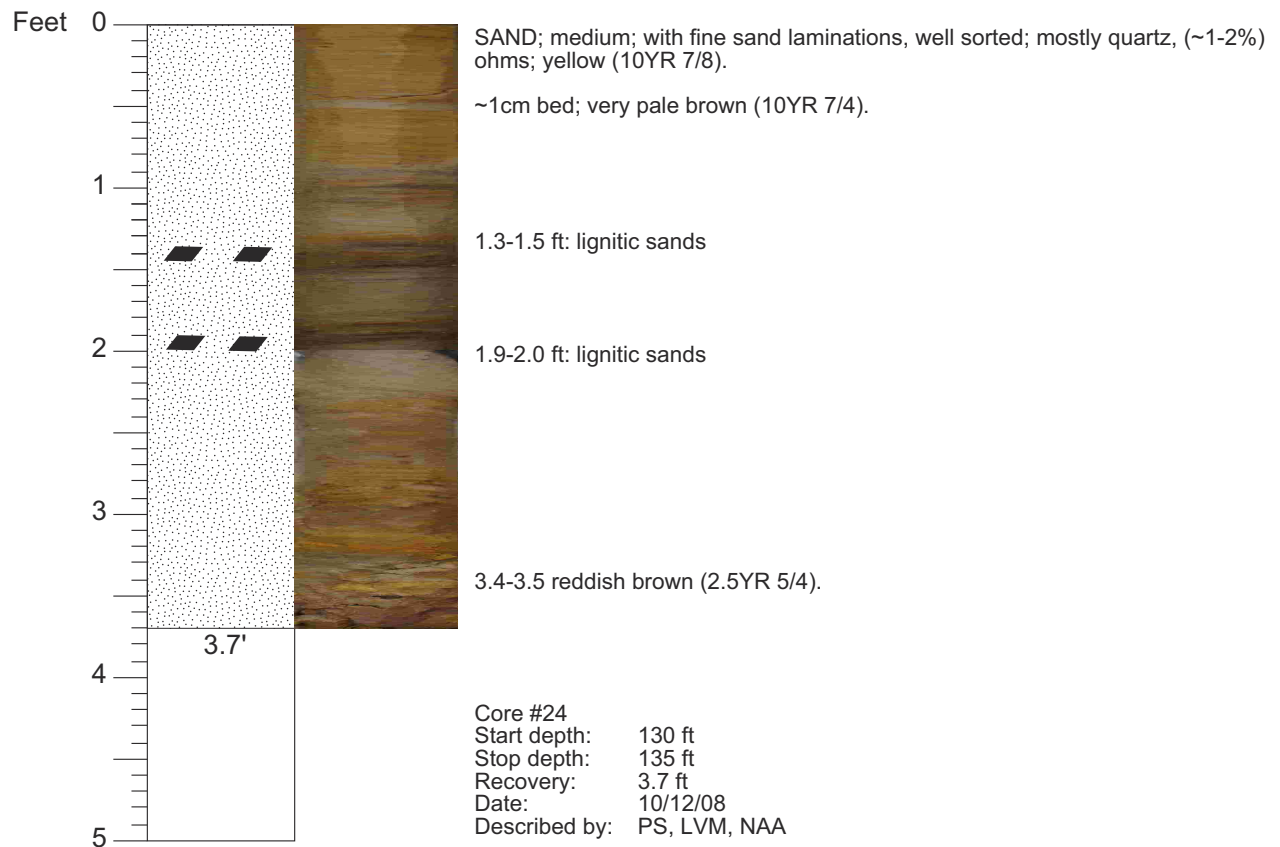




CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

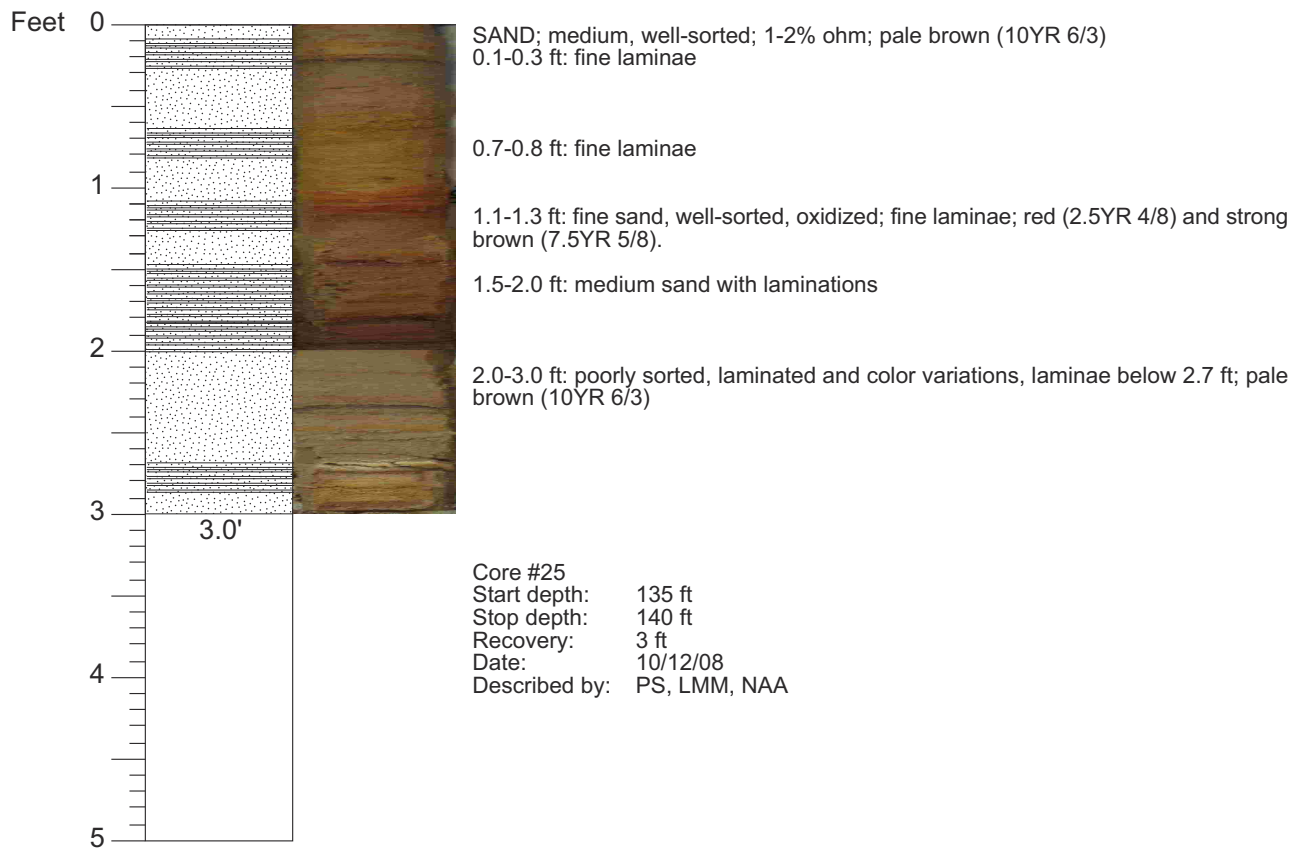
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

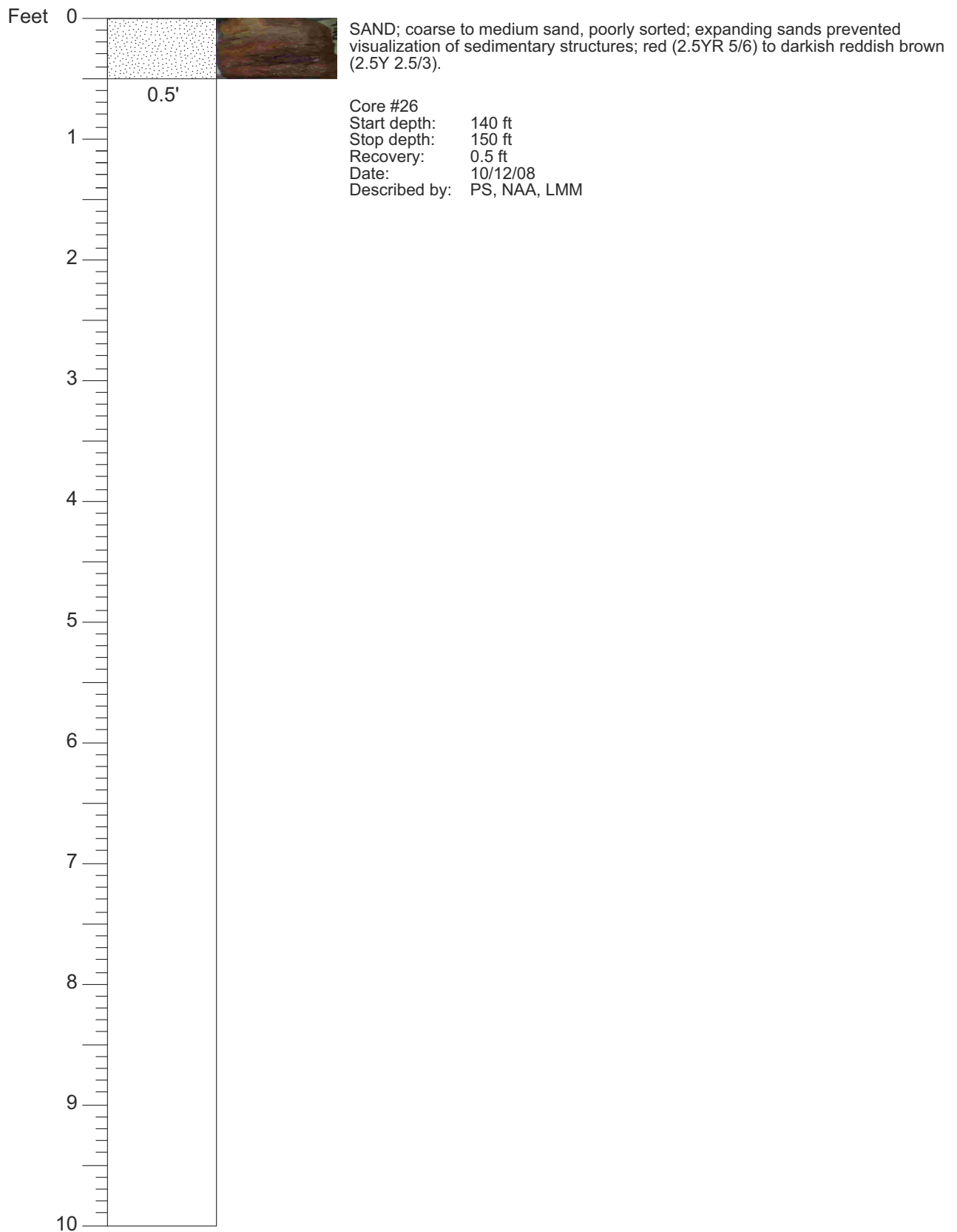
25



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

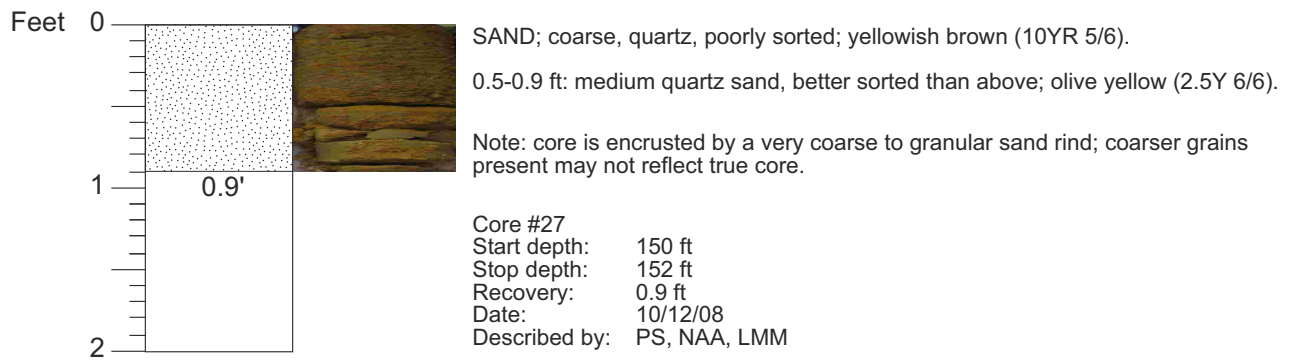
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

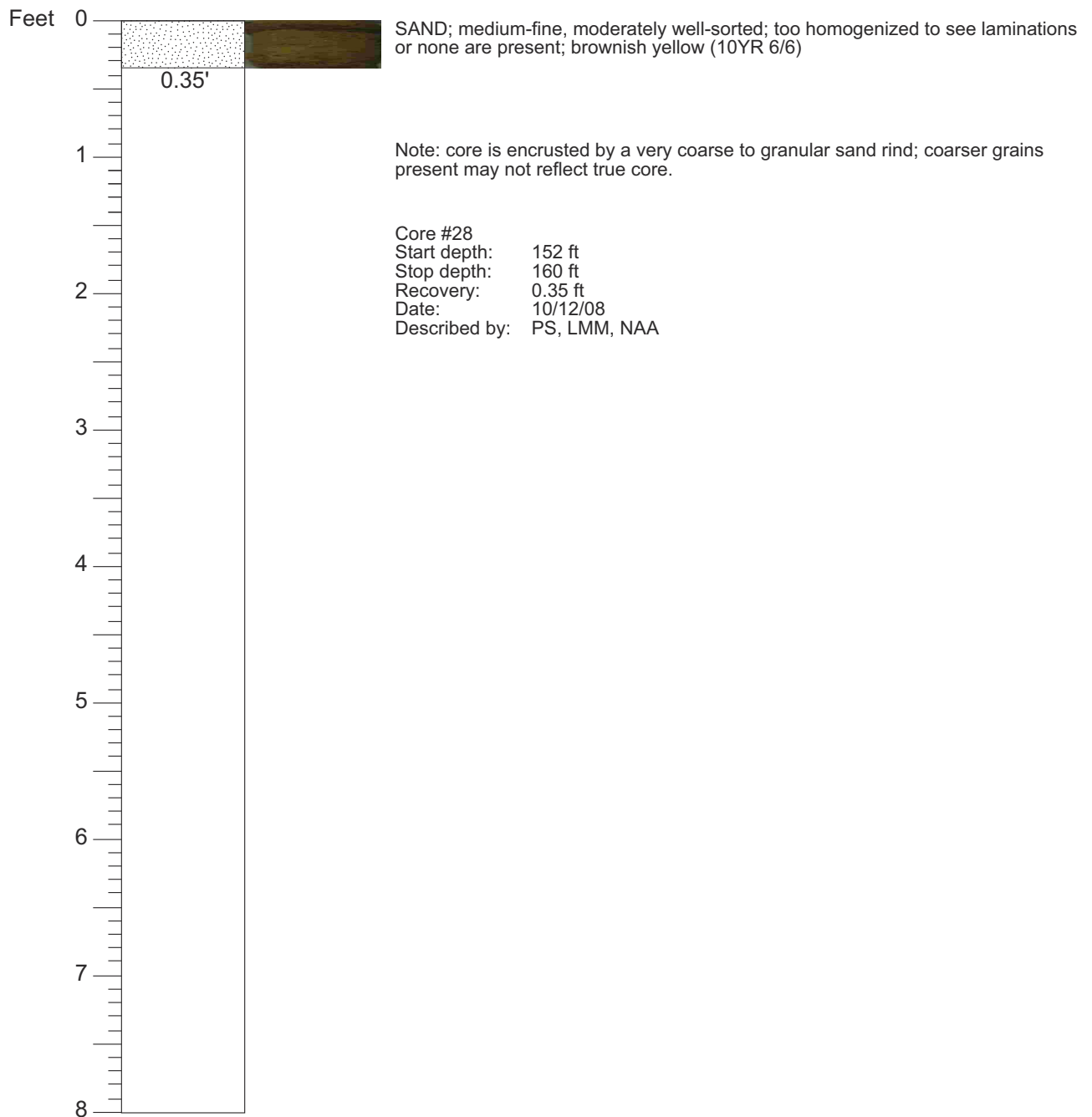
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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

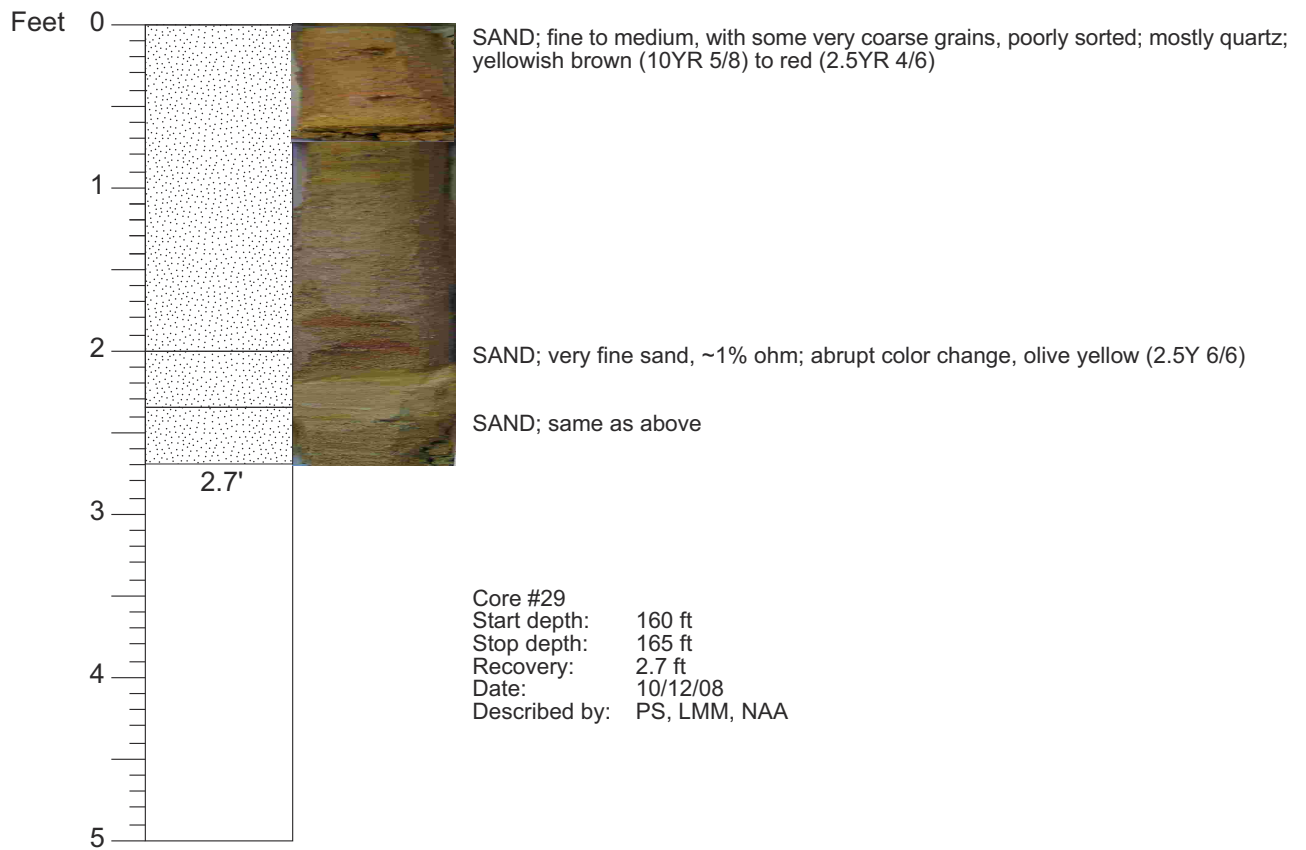
28



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

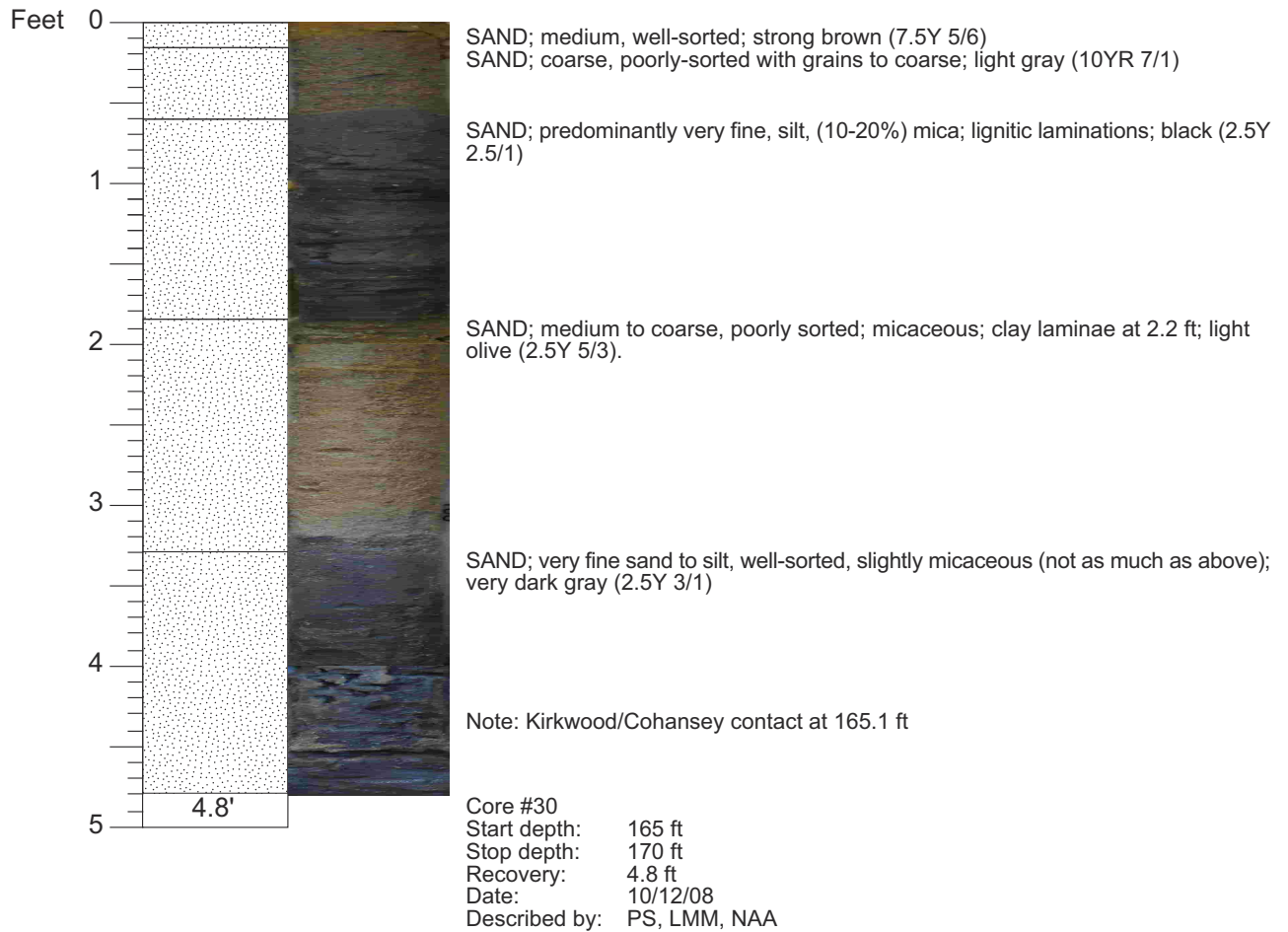
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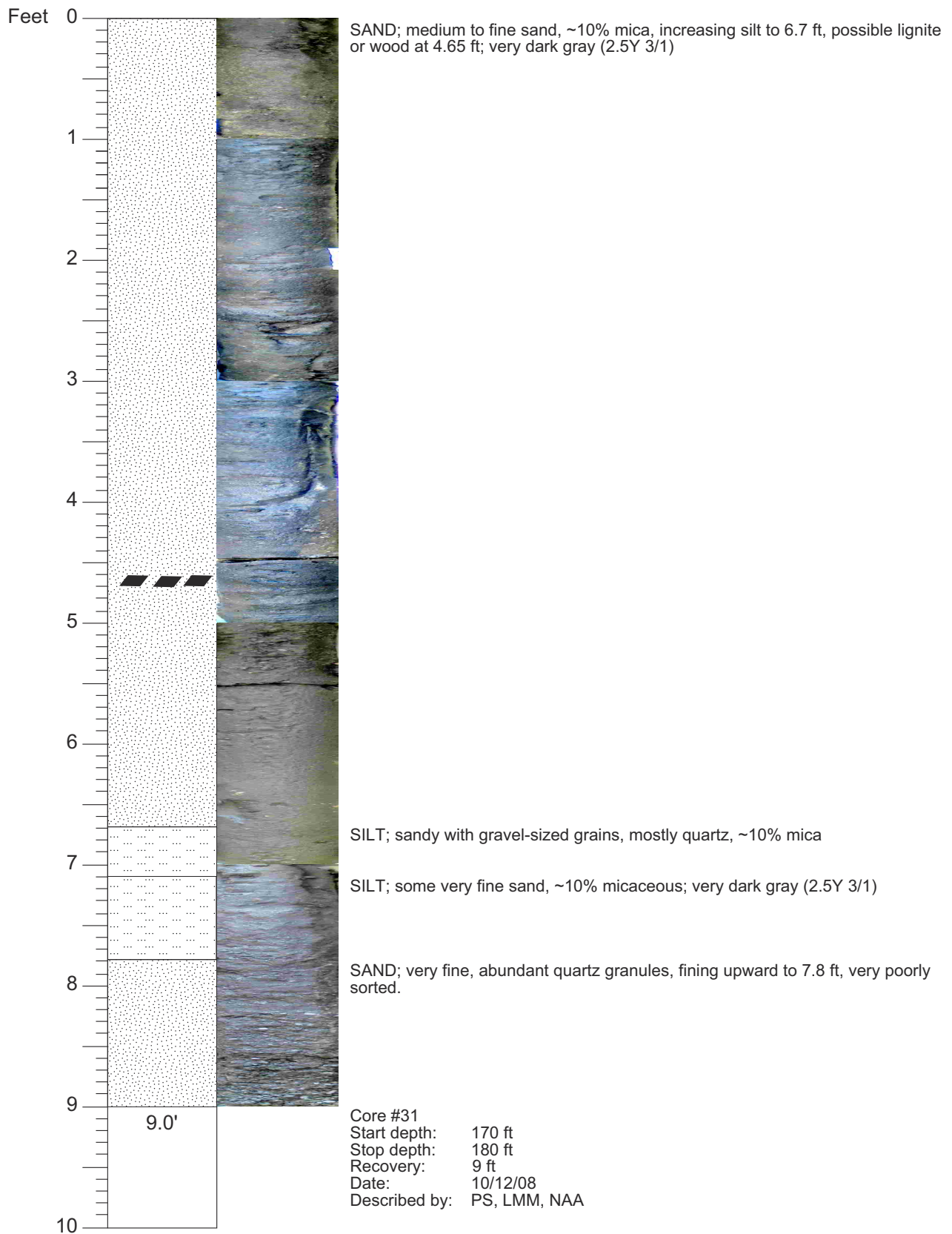


CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

30

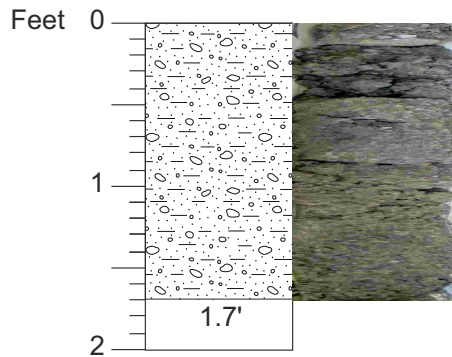




CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

32



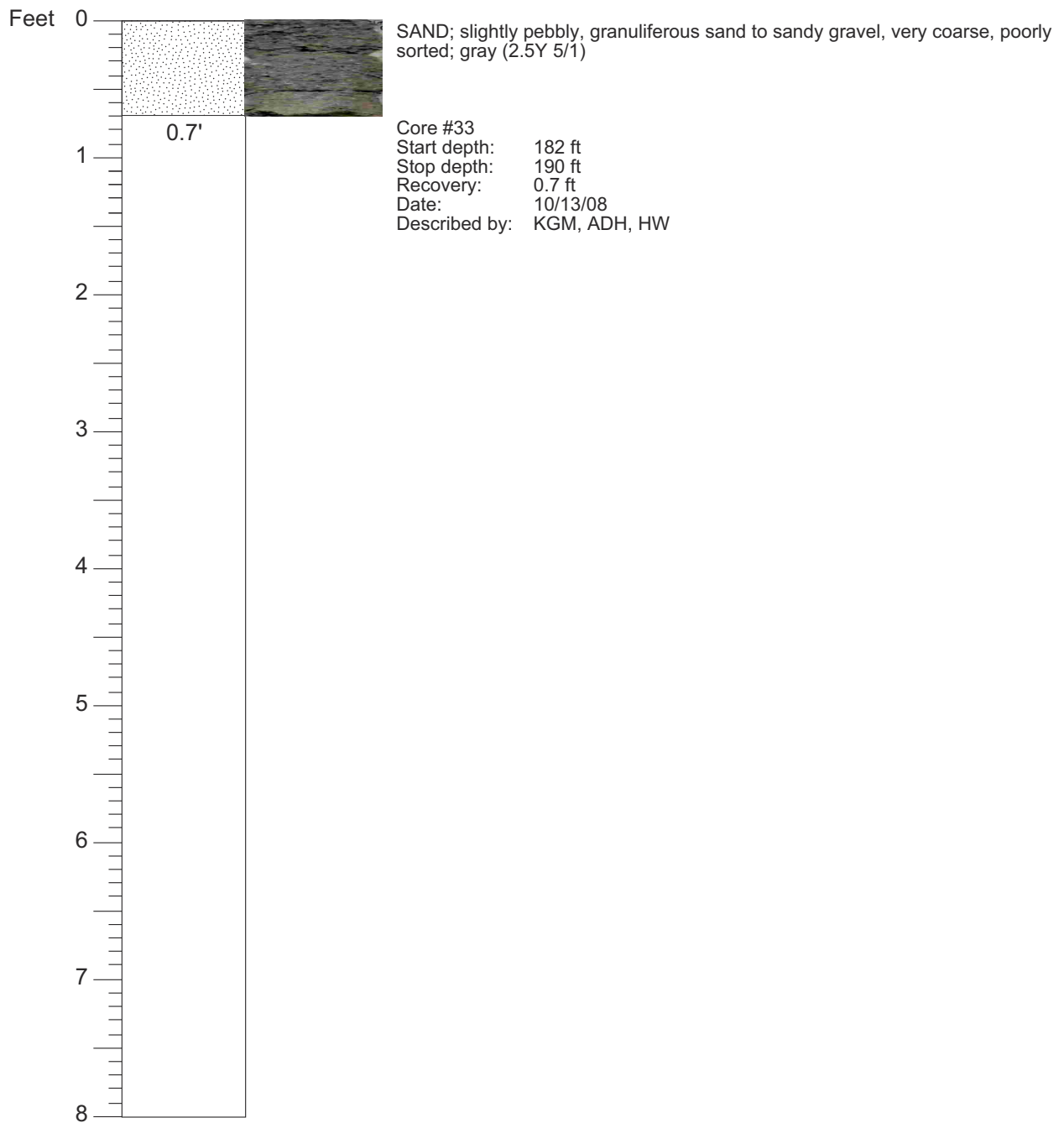
GRAVEL; sand; very coarse, to slightly pebbly granulariferous sand, poorly sorted; coarser up core (may be a washing artifact), gravel includes chert/flint fragments (up to 7 mm); ?channel in delta front environment; 0-0.85 ft sloppy core, 0.85-1.7 ft solid core; gray (2.5Y 5/1)

Core #32
Start depth: 180 ft
Stop depth: 182 ft
Recovery: 1.7 ft
Date: 10/13/08
Described by: KGM, ADH, HW

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

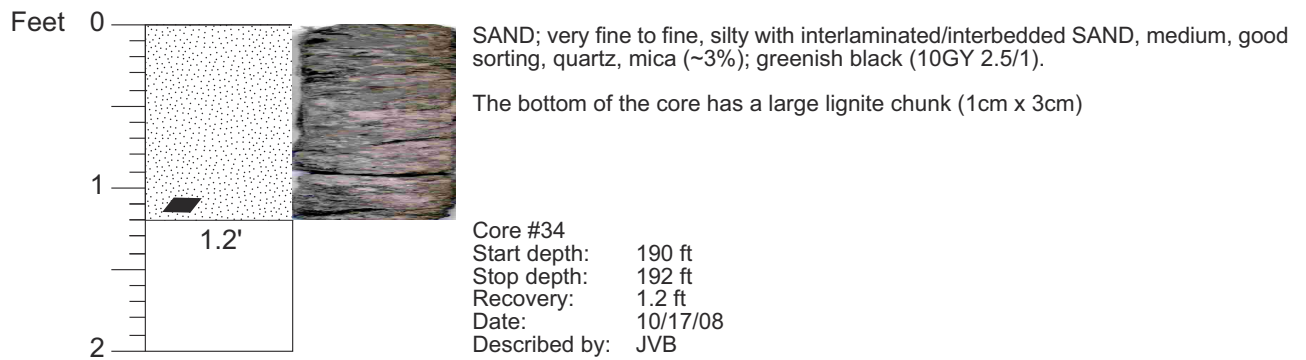
33



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

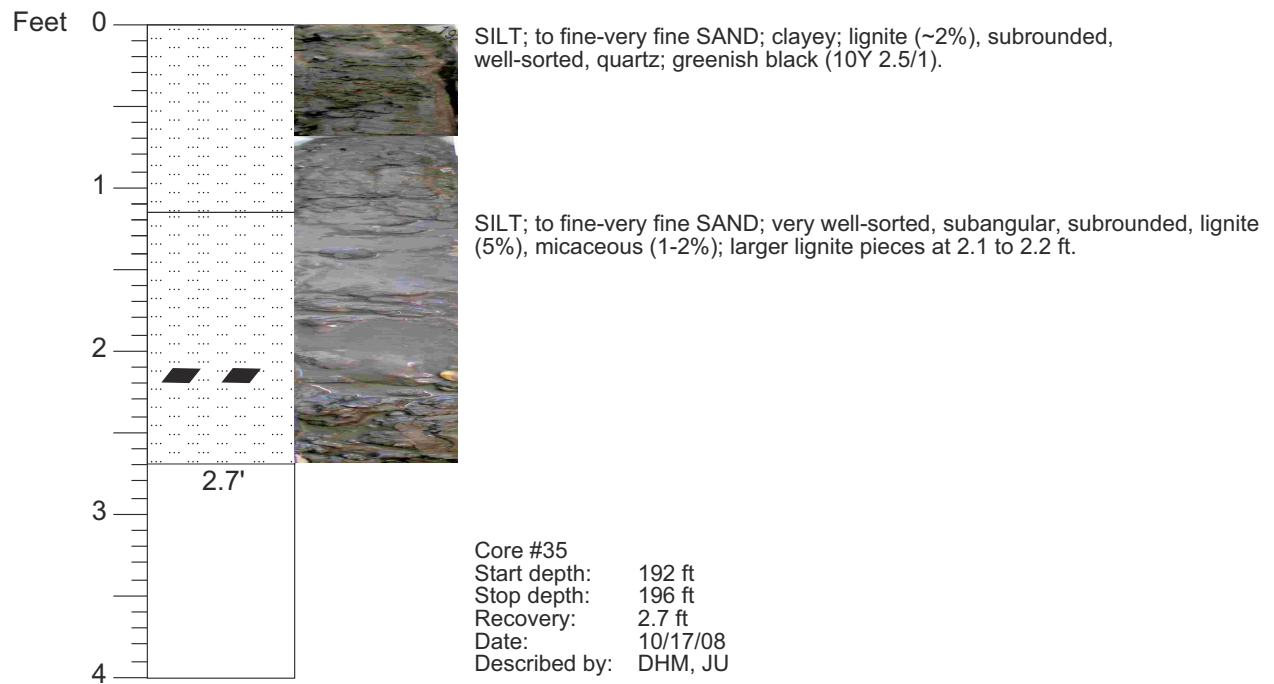
34



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

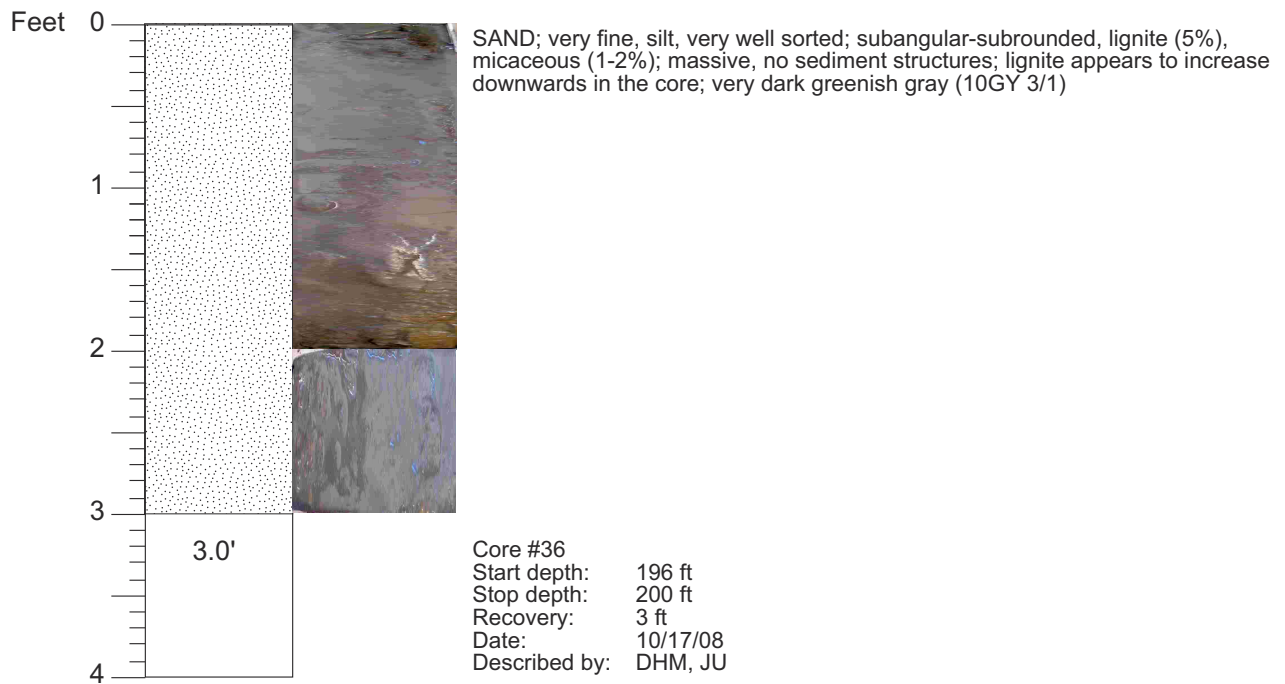
35



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

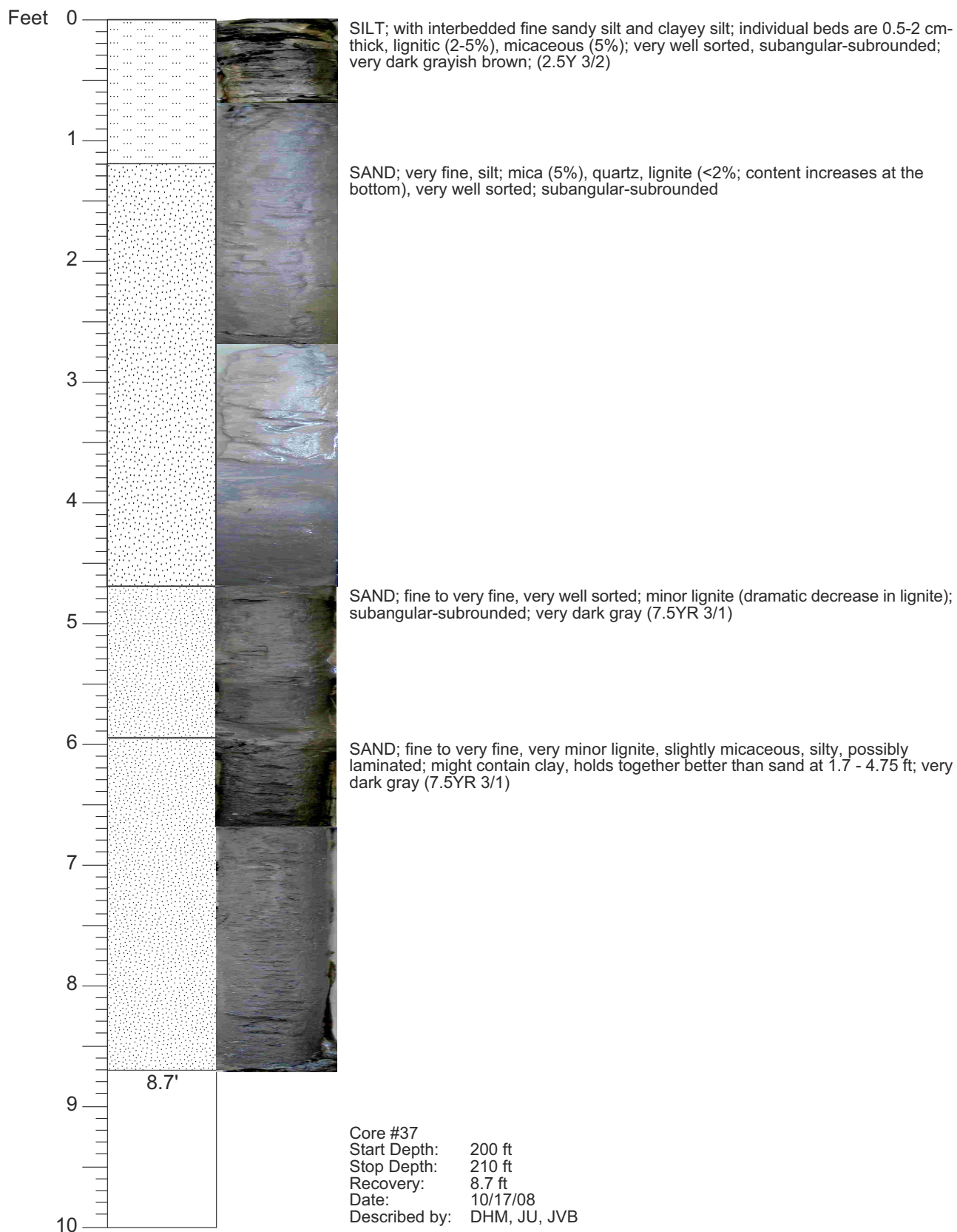
36



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

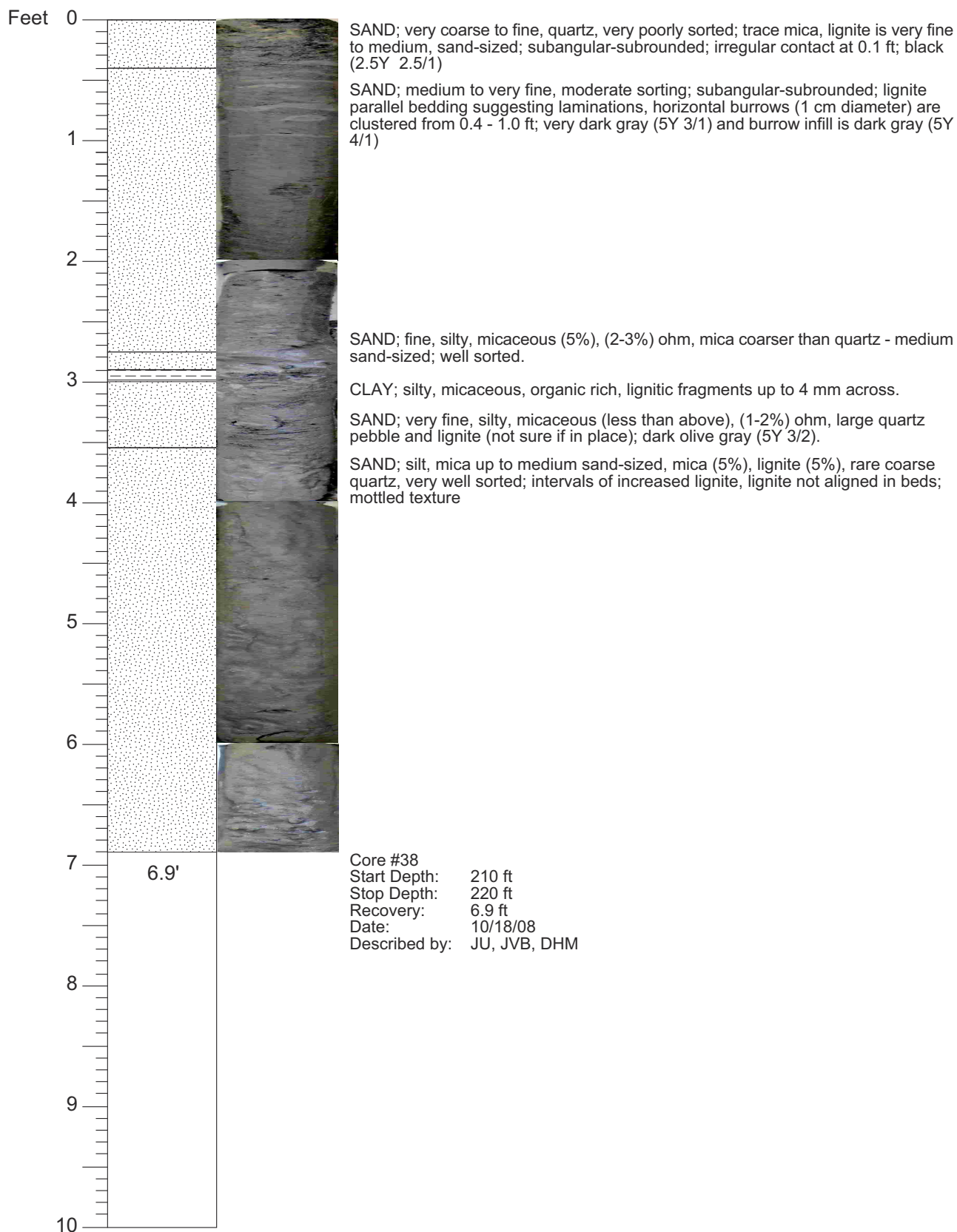
37



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

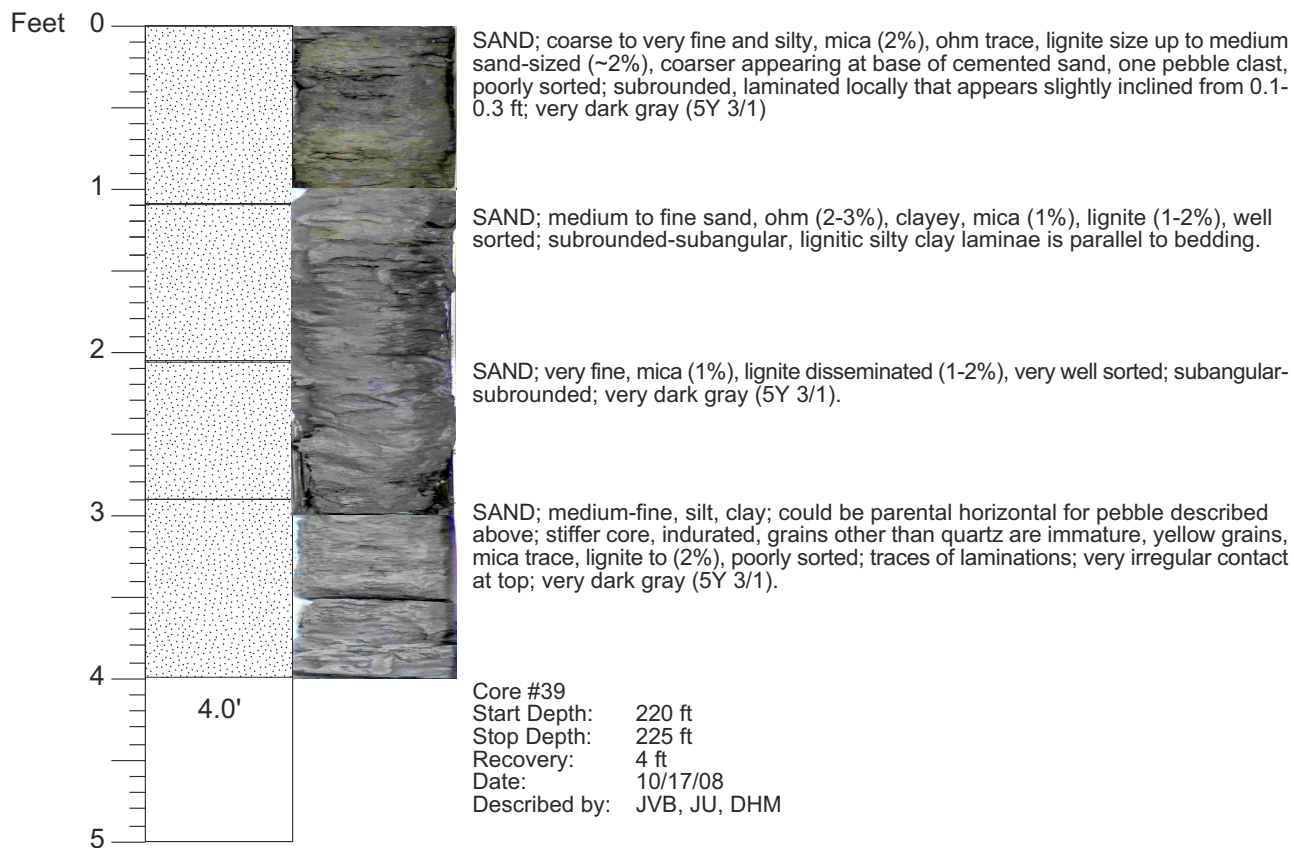
38



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

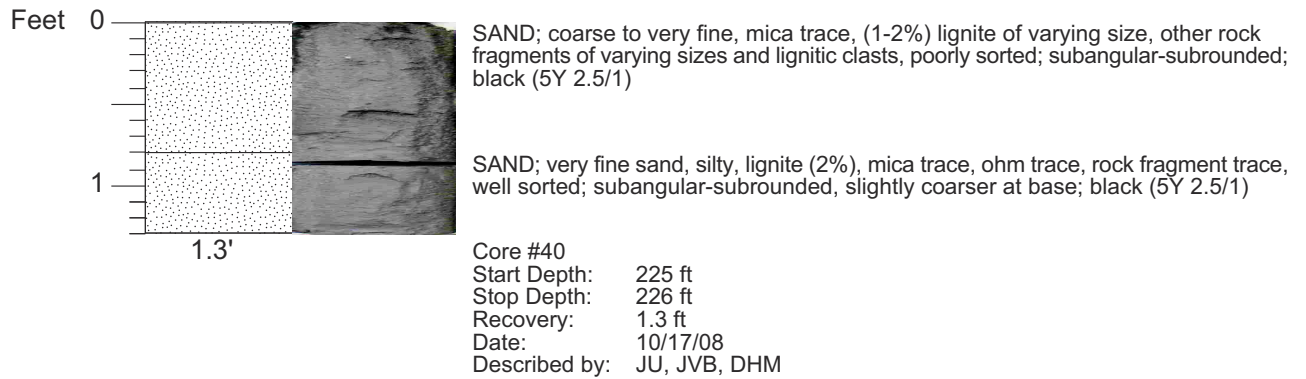
39



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

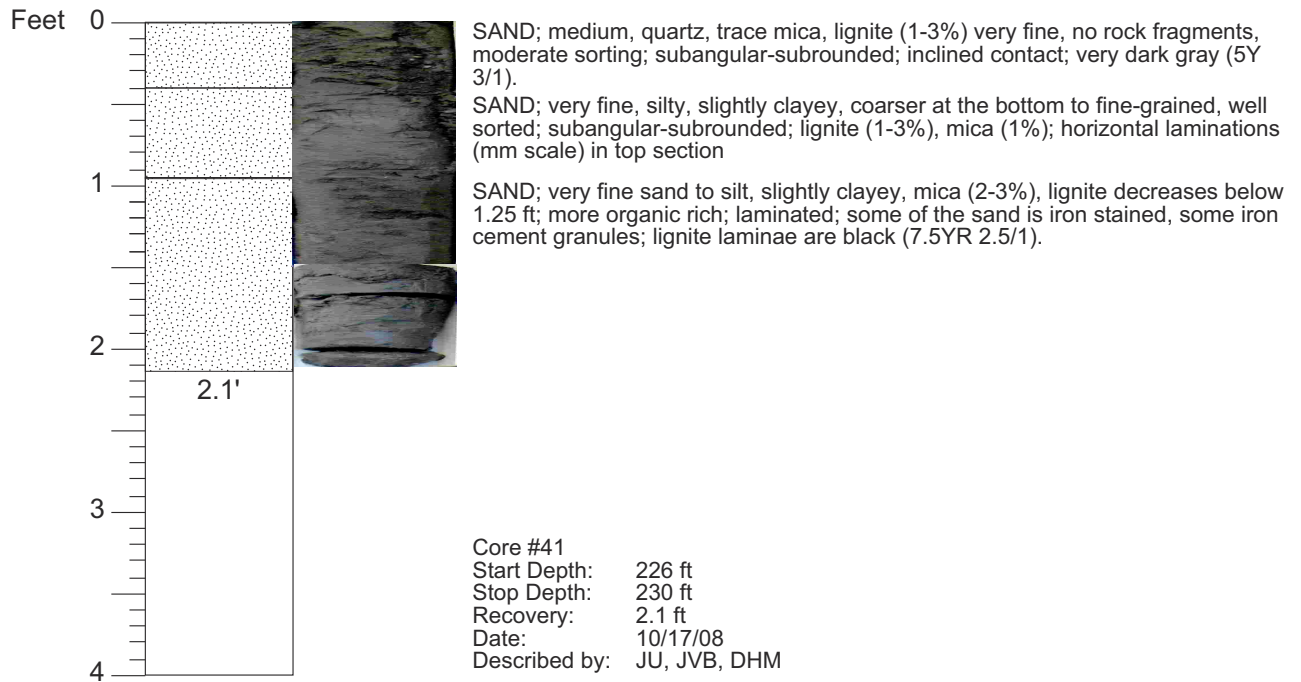
40



CORE DESCRIPTIONS

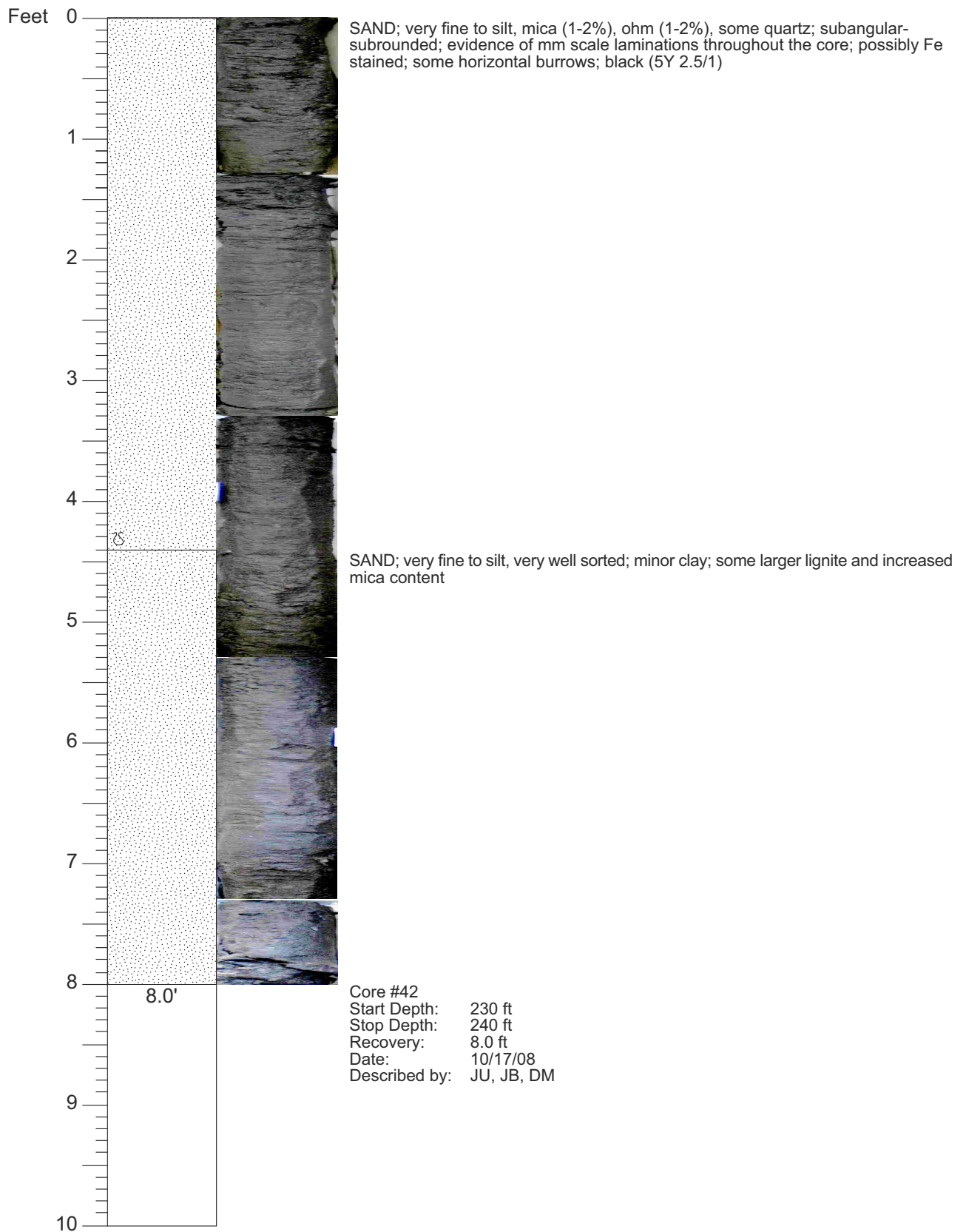
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

41



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

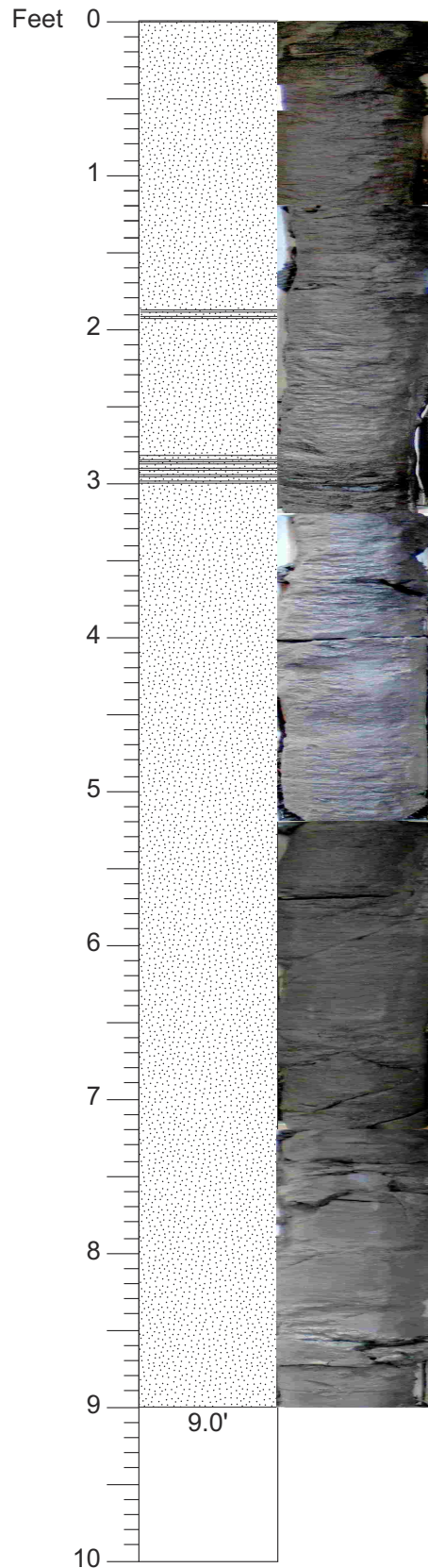
42



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

43



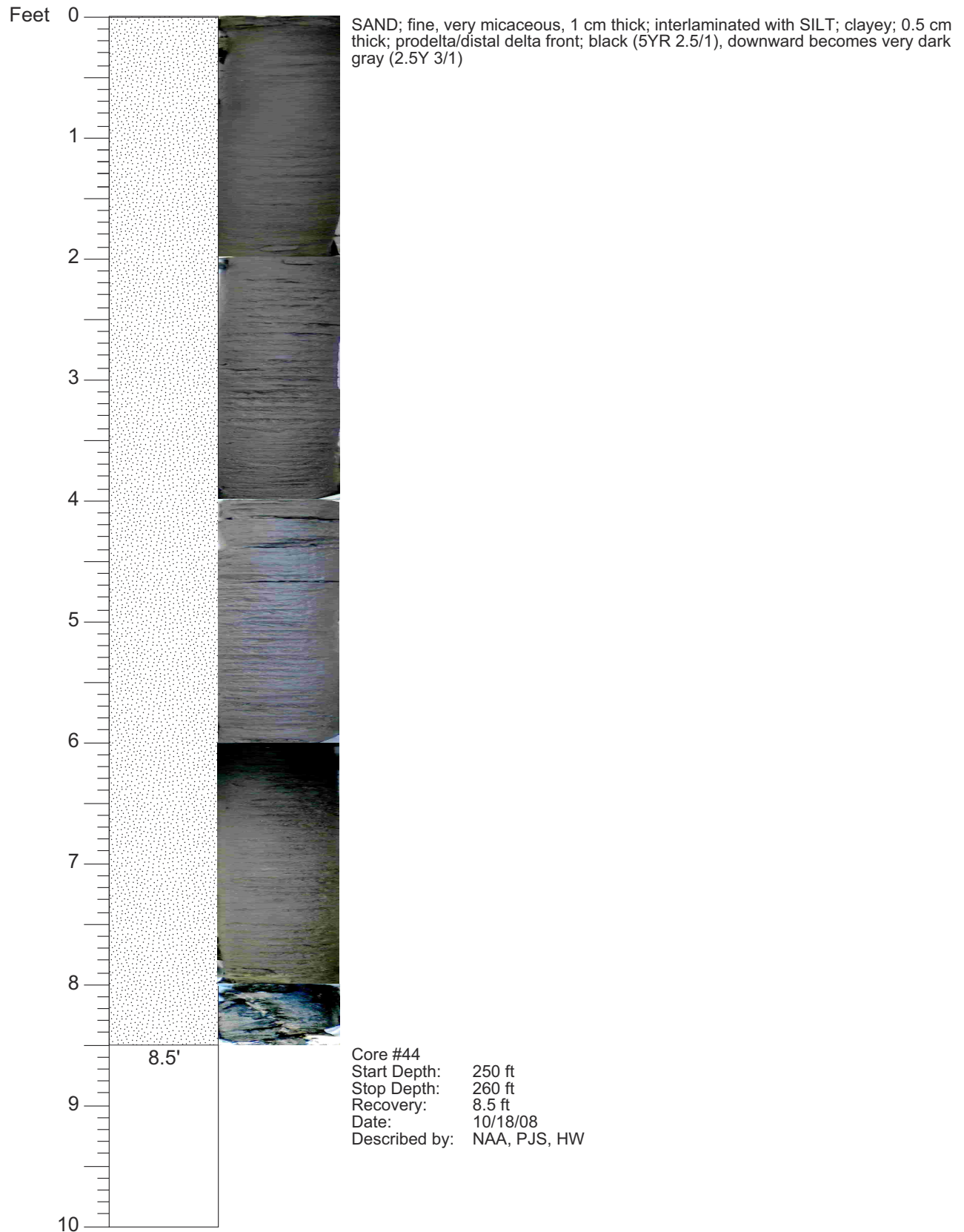
SAND; silty fine, mica (2-5%), lignite trace, clay content increases from 6.0 ft downward; very well sorted; hints of laminations (mm scale), some laminae could be inclined; clay laminae, (2-5 mm) thickness, and lignitic clay from 2.9 to 3.0 ft; black (5Y 2.5/1)

Core #43
Start Depth: 240 ft
Stop Depth: 250 ft
Recovery: 9 ft
Date: 10/17/08
Described by: JU, JVB, DHM

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

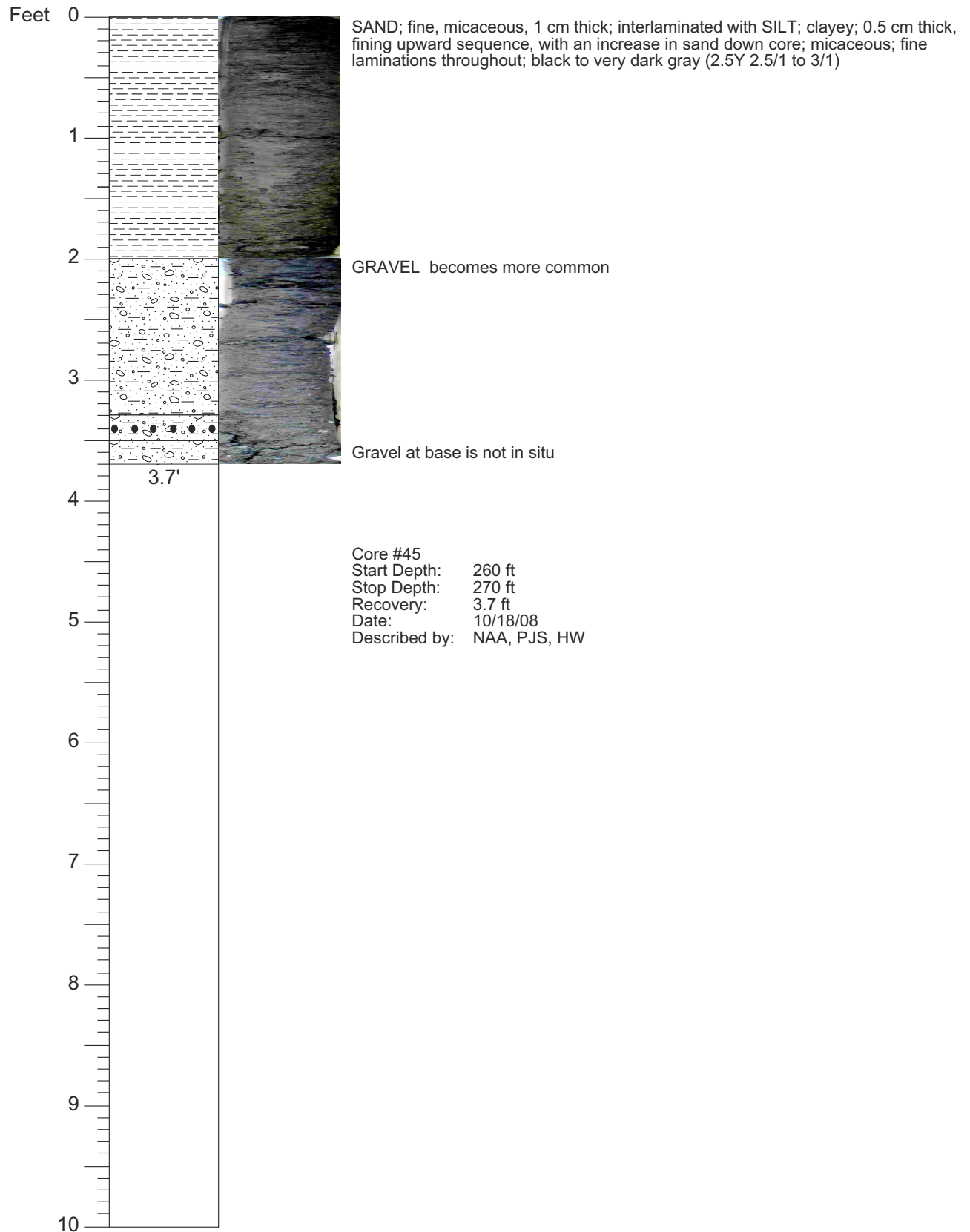
44



CORE DESCRIPTIONS

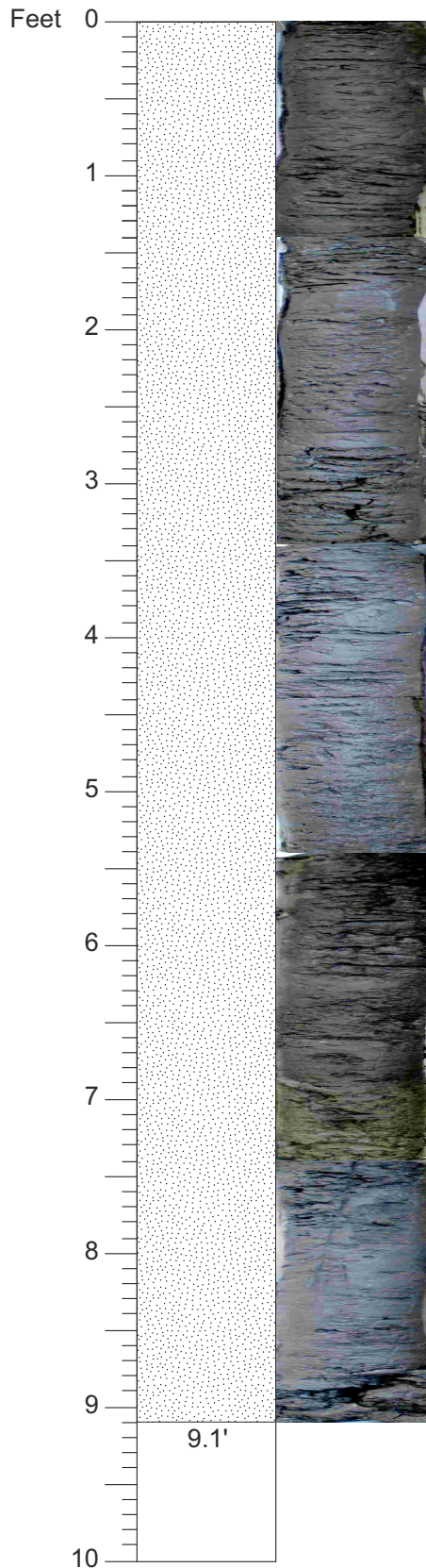
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

45



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

46

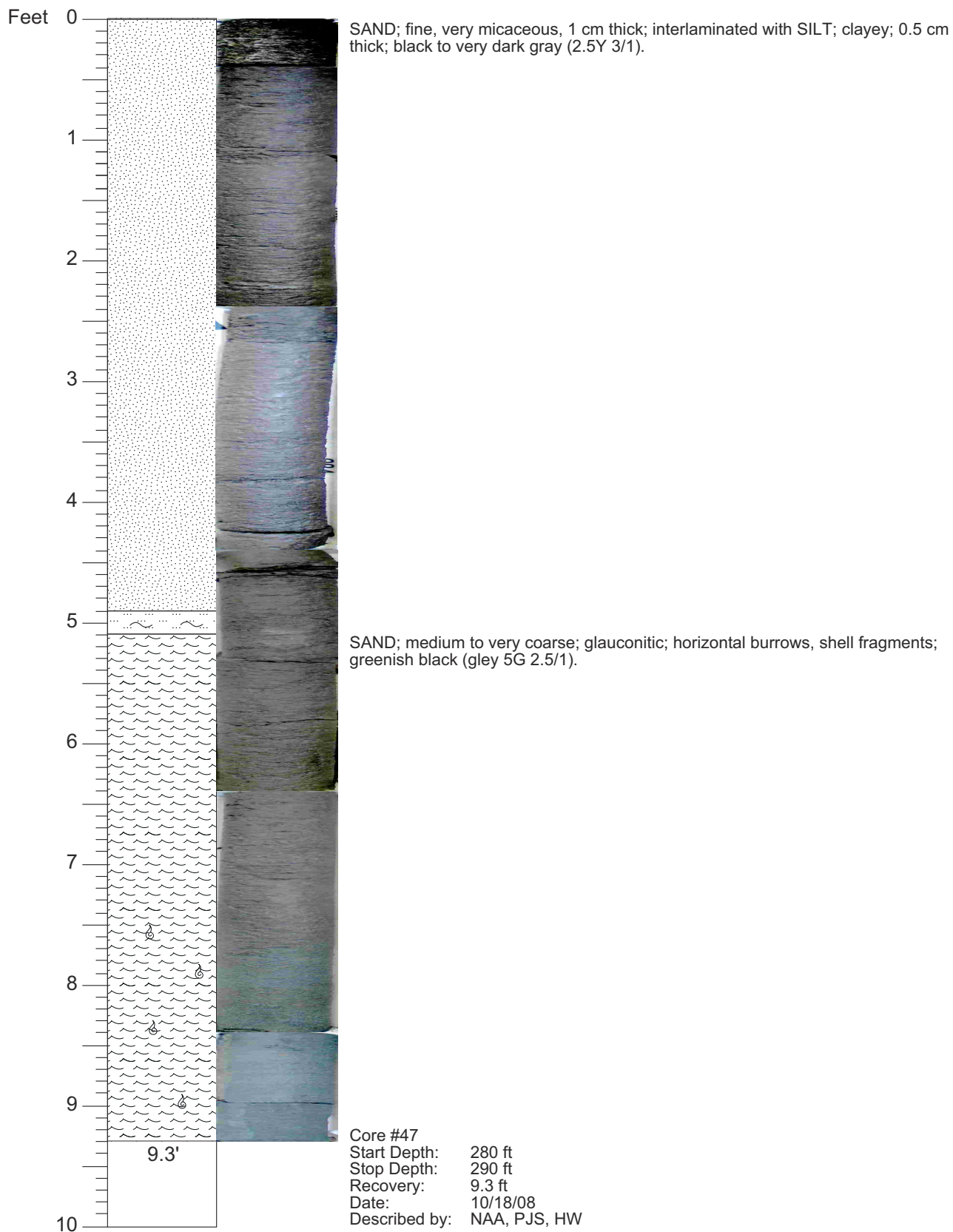


SAND; fine, micaceous, 1 cm thick; interlaminated with SILT; clayey, 0.5 cm thick; some drilling mud and gravel at the base of the core is not in place; black to very dark gray (2.5Y 2.5/1 to 3/1).

Core #46
Start Depth: 270 ft
Stop Depth: 280 ft
Recovery: 9.1 ft
Date: 10/18/08
Described by: NAA, PJS, HW

CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

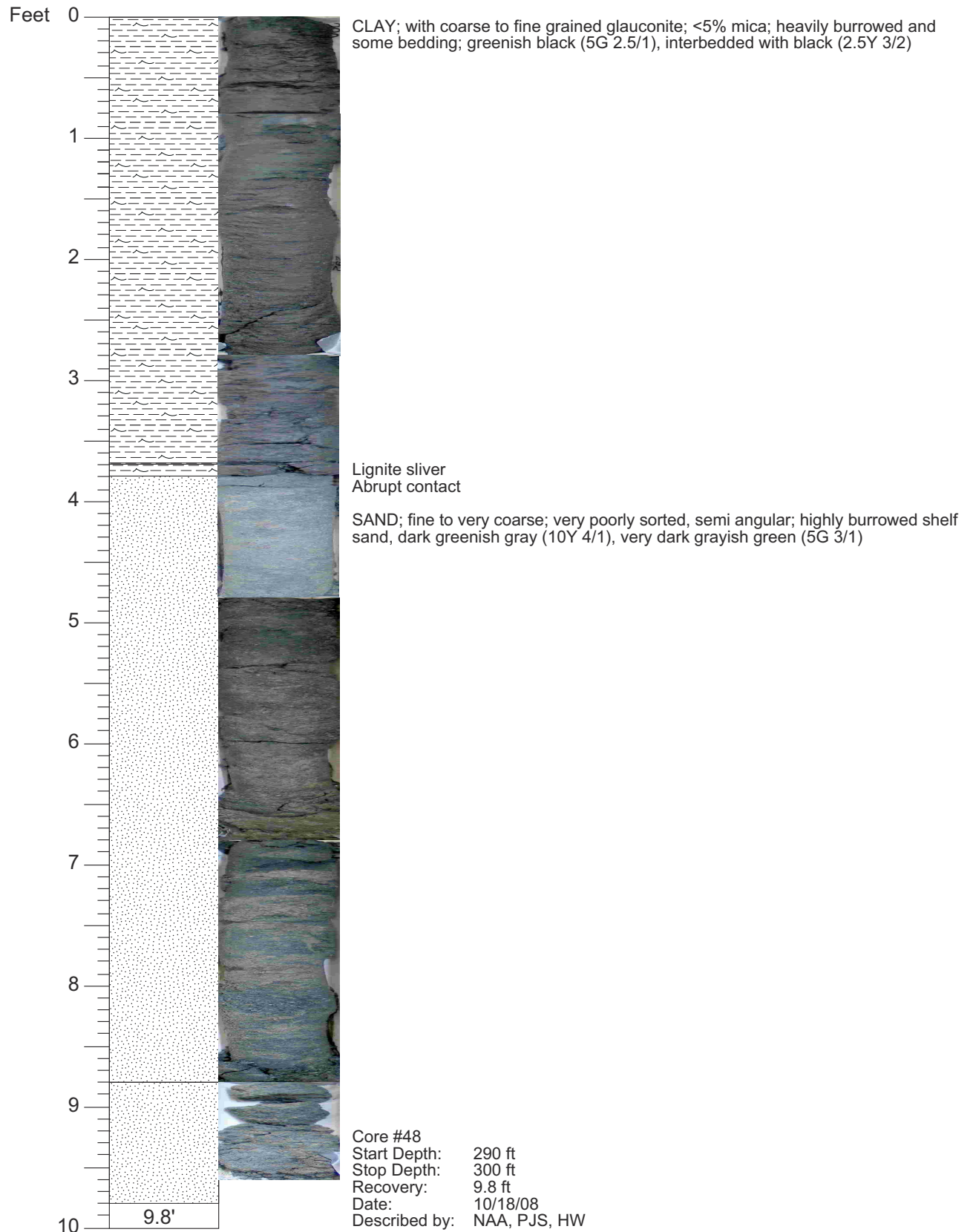
47



CORE DESCRIPTIONS

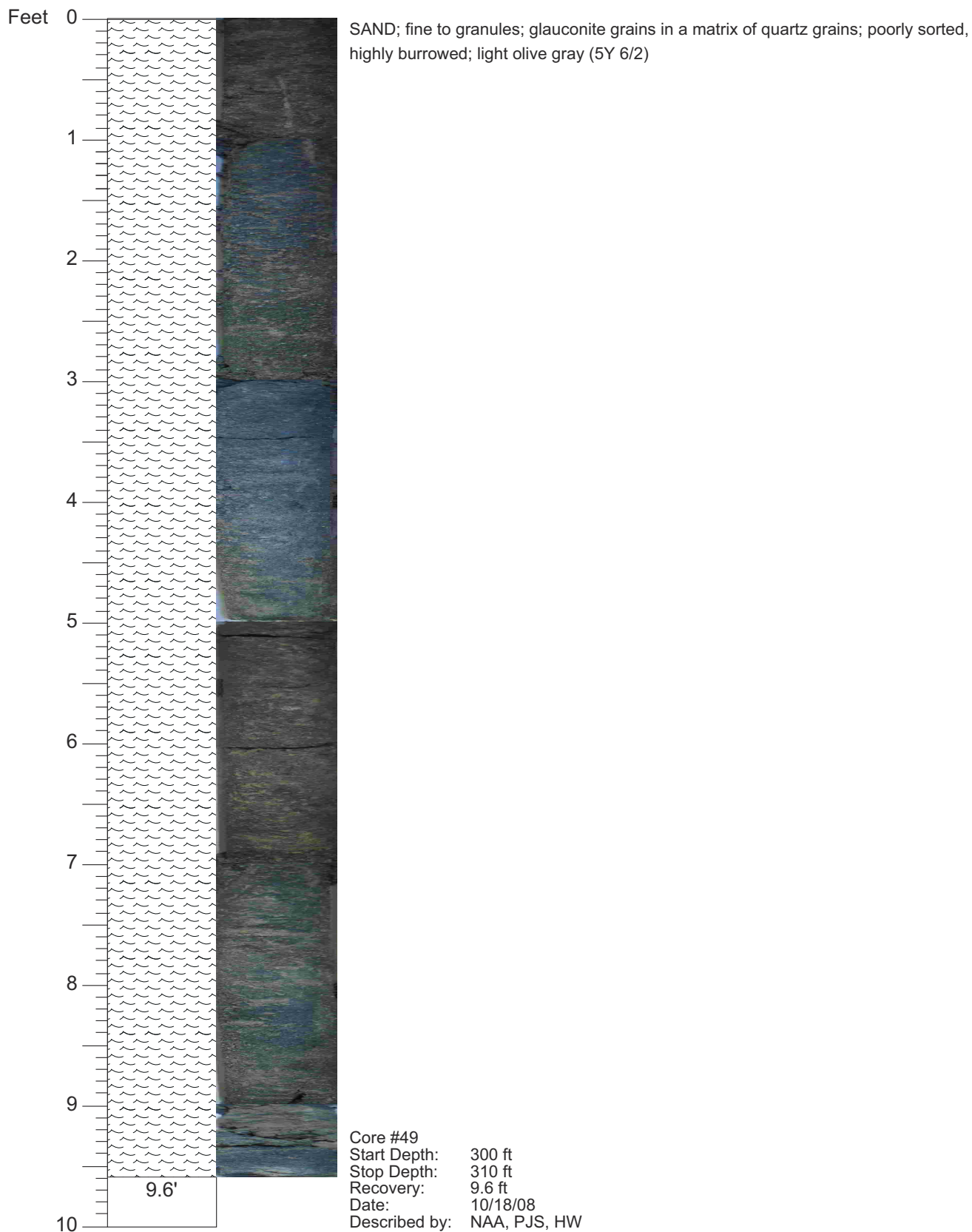
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

48



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

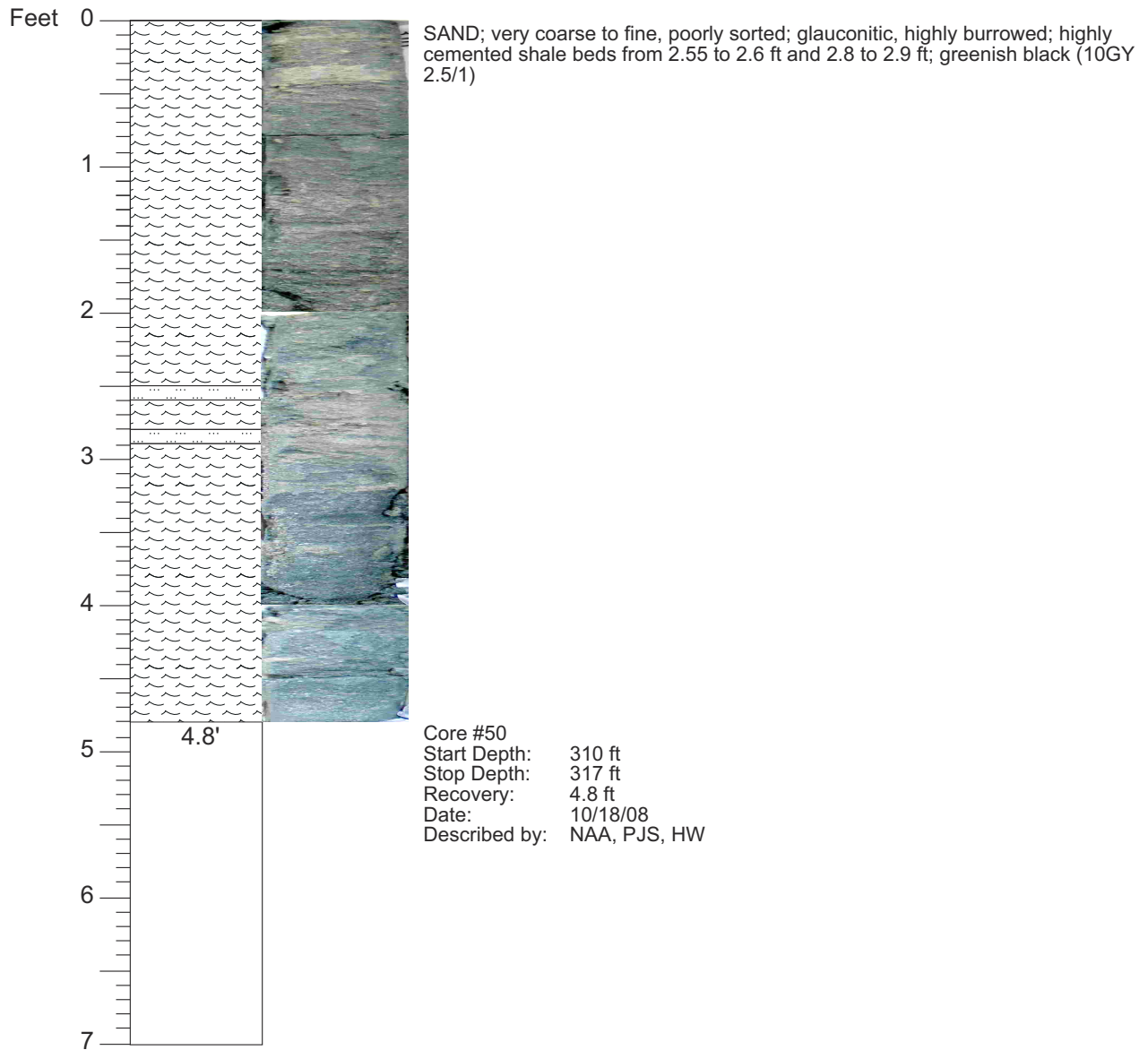
49



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

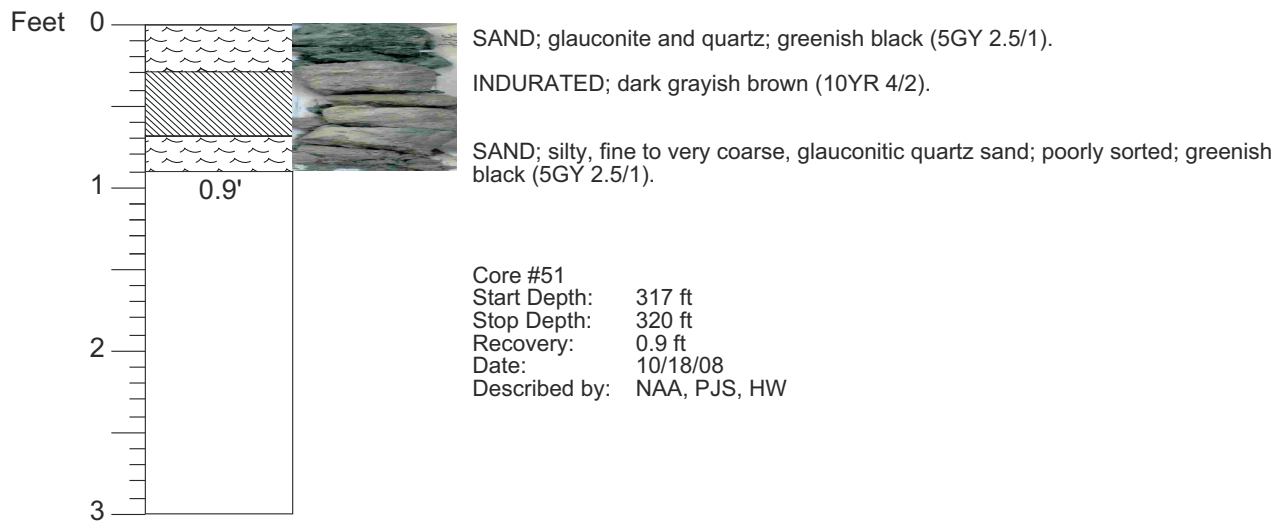
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CORE DESCRIPTIONS

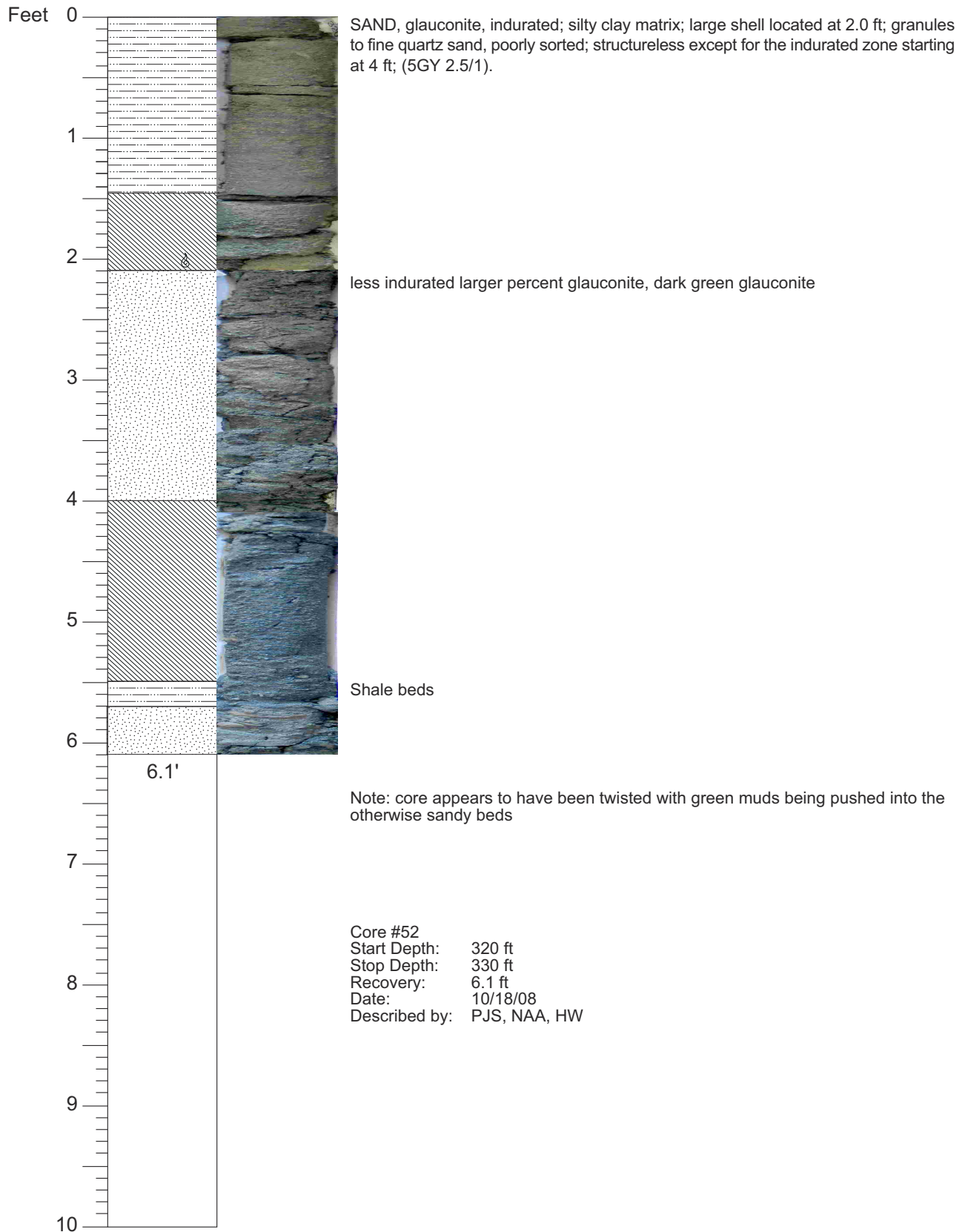
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

51



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

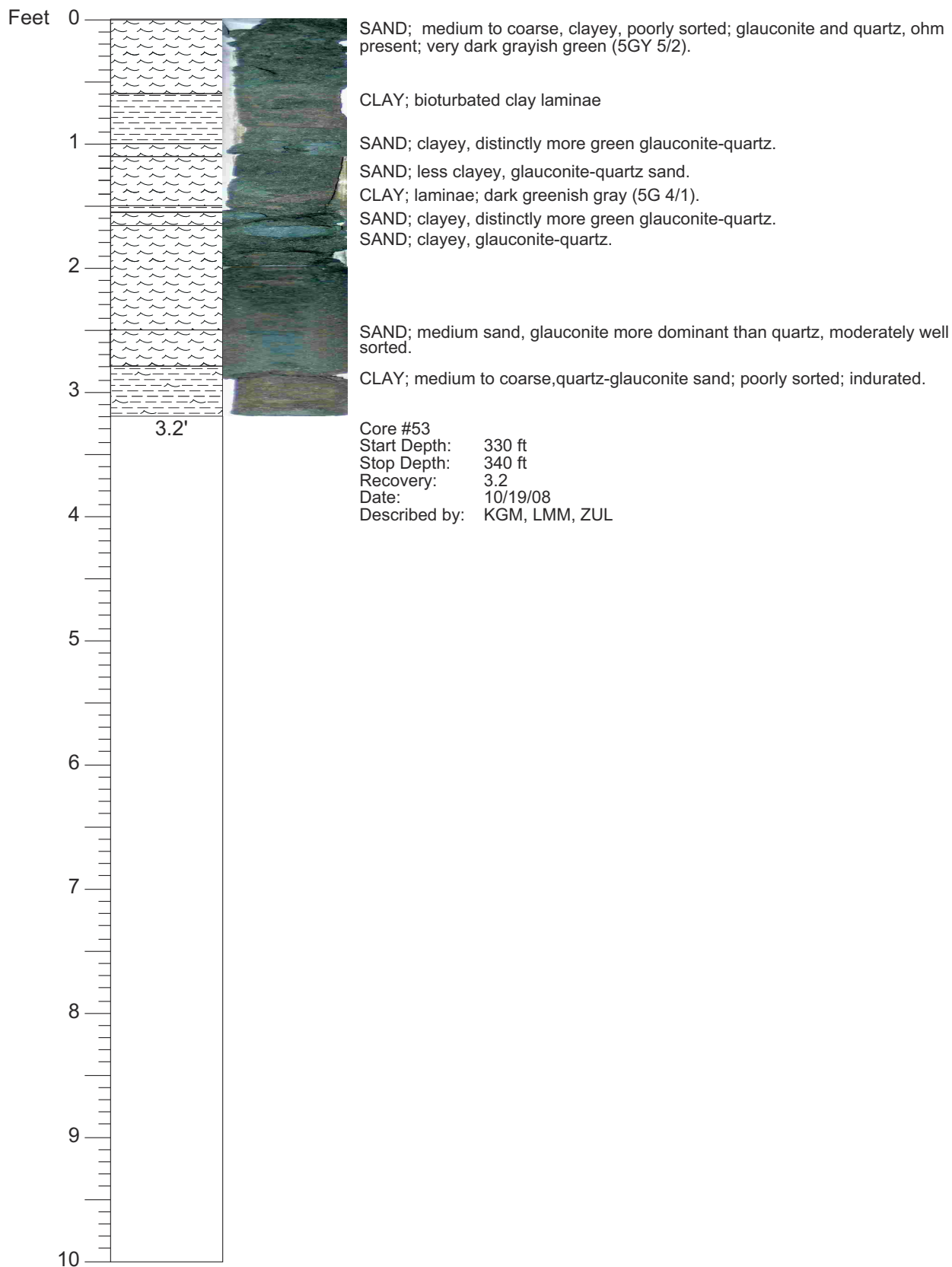
52



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

53



CORE DESCRIPTIONS

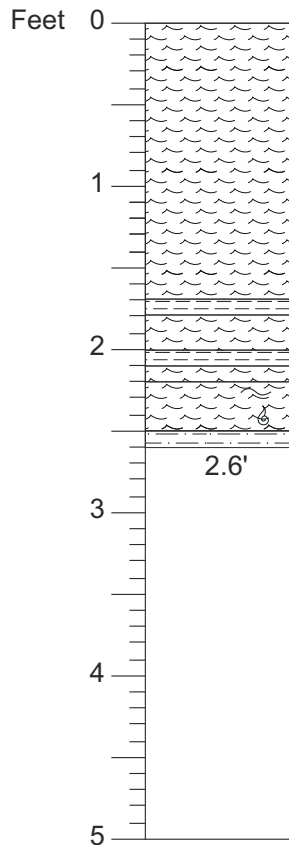
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

54



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

55



SAND; medium to coarse, clayey, poorly sorted; mostly glauconite, some quartz, ohm present; dark greenish gray (5GY 4/1)

CLAY; lamina (1mm); very dark brown (10YR 2/2).

SAND; clayey, glauconite sand, ohm, moderately sorted.

CLAY; bed (2 cm).

SAND; glauconitic.

SAND; clayey, glauconite-quartz sand; indurated and alternating; cemented thin bed (1cm); clay lamina.

CLAY; sandy clay; indurated; pelecypoda internal mold; pectenid hash in core catcher

NOTE: No photos for 345 to 350 ft.

Core #55

Start Depth: 345 ft

Stop Depth: 350 ft

Recovery: 2.6 ft

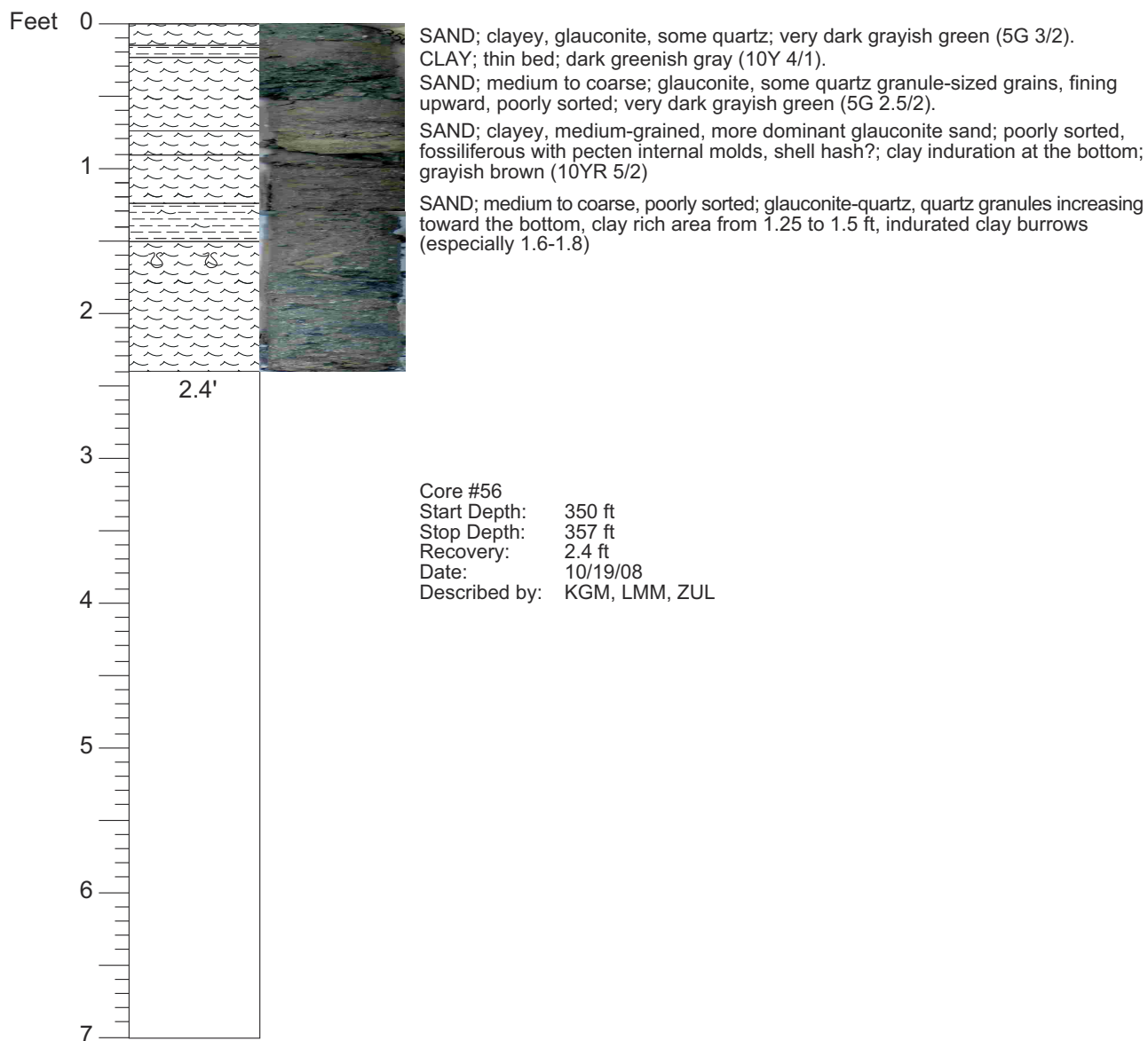
Date: 10/19/08

Described by: KGM, LMM, ZUL

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

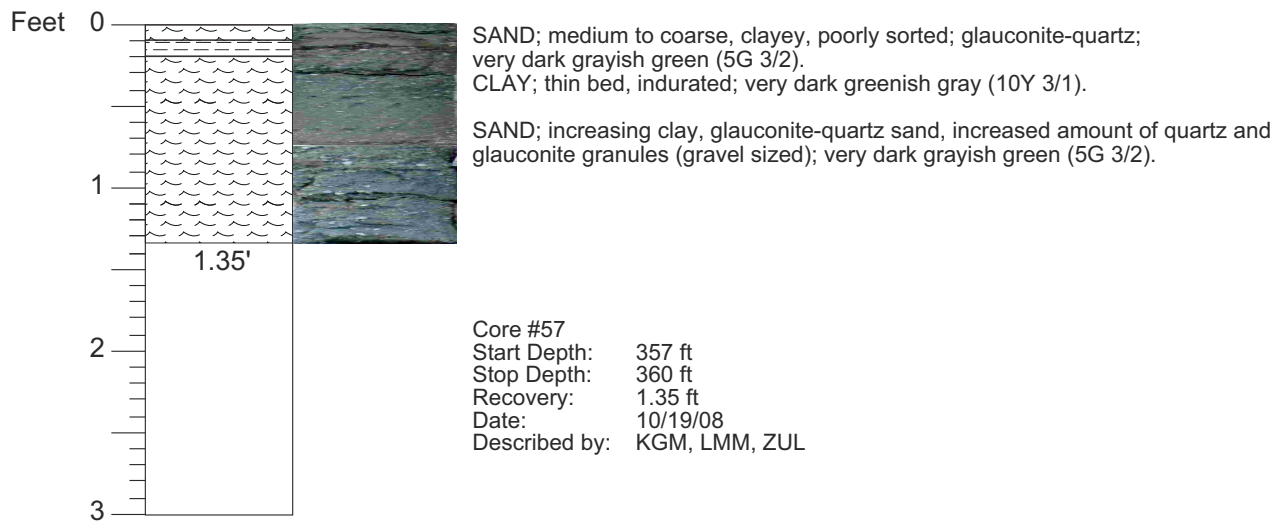
56



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

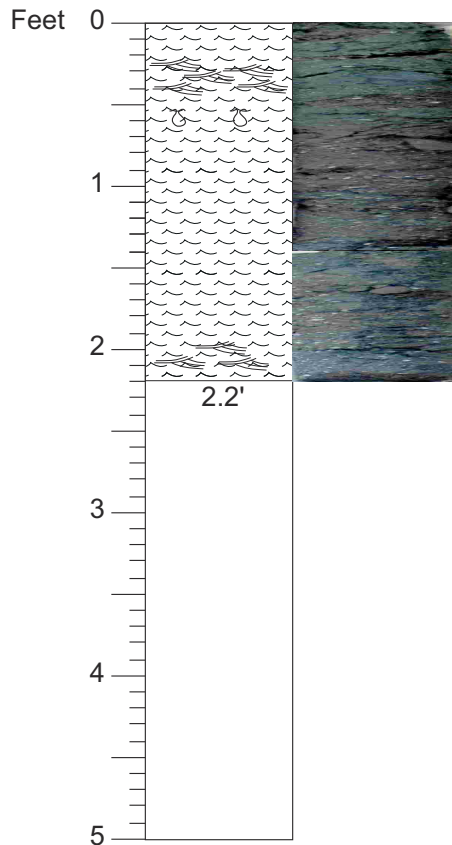
57



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

58



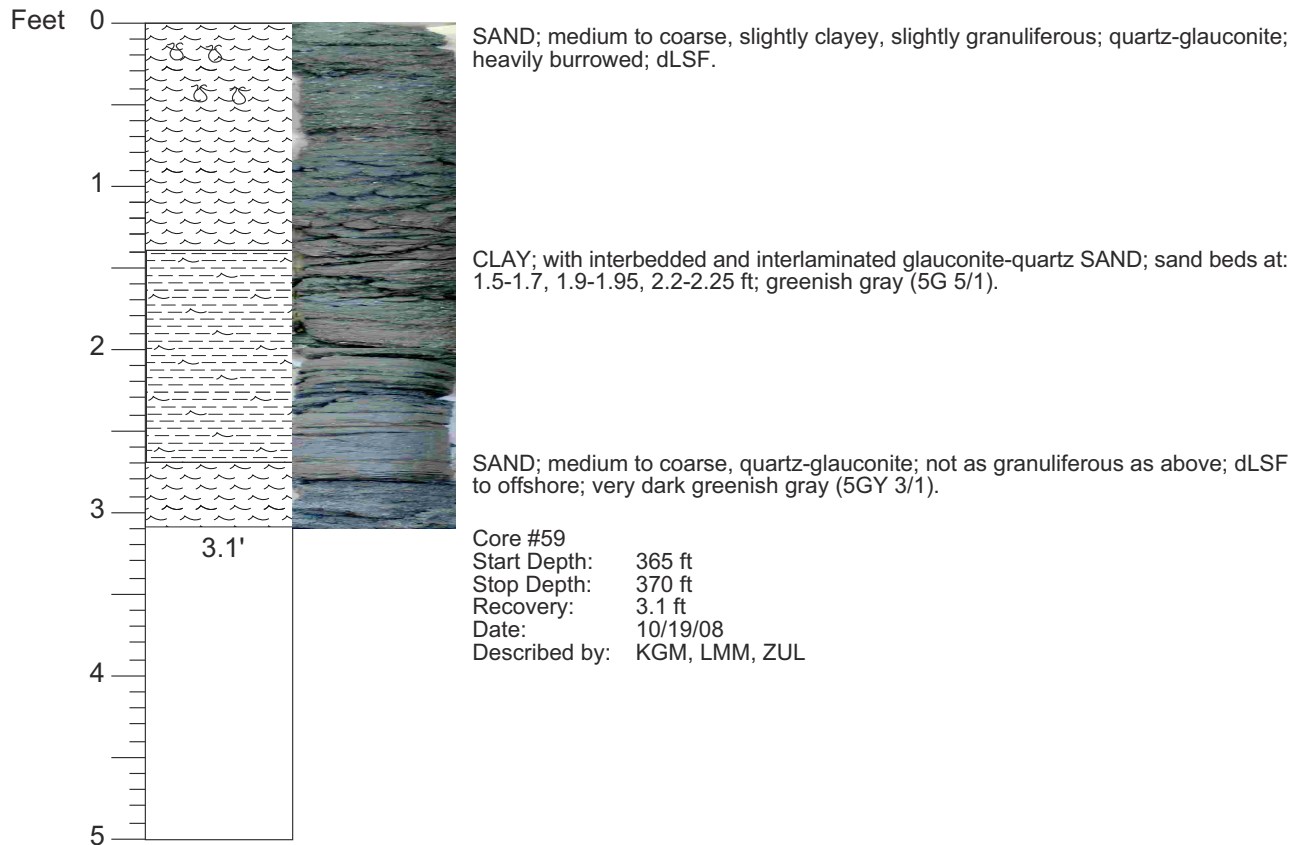
SAND; medium to coarse, some very coarse granules; clay in laminae, thin beds, and burrows; quartzose, glauconite, ohms may include phosphorite; alternating green and brown laminated to cross-bedded; ?distal lower shoreface; nice structuring; very dark grayish green (5G 2.5/2).

Core #58
Start Depth: 360 ft
Stop Depth: 365 ft
Recovery: 2.2 ft
Date: 10/19/08
Described by: KGM, LMM, ZUL

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

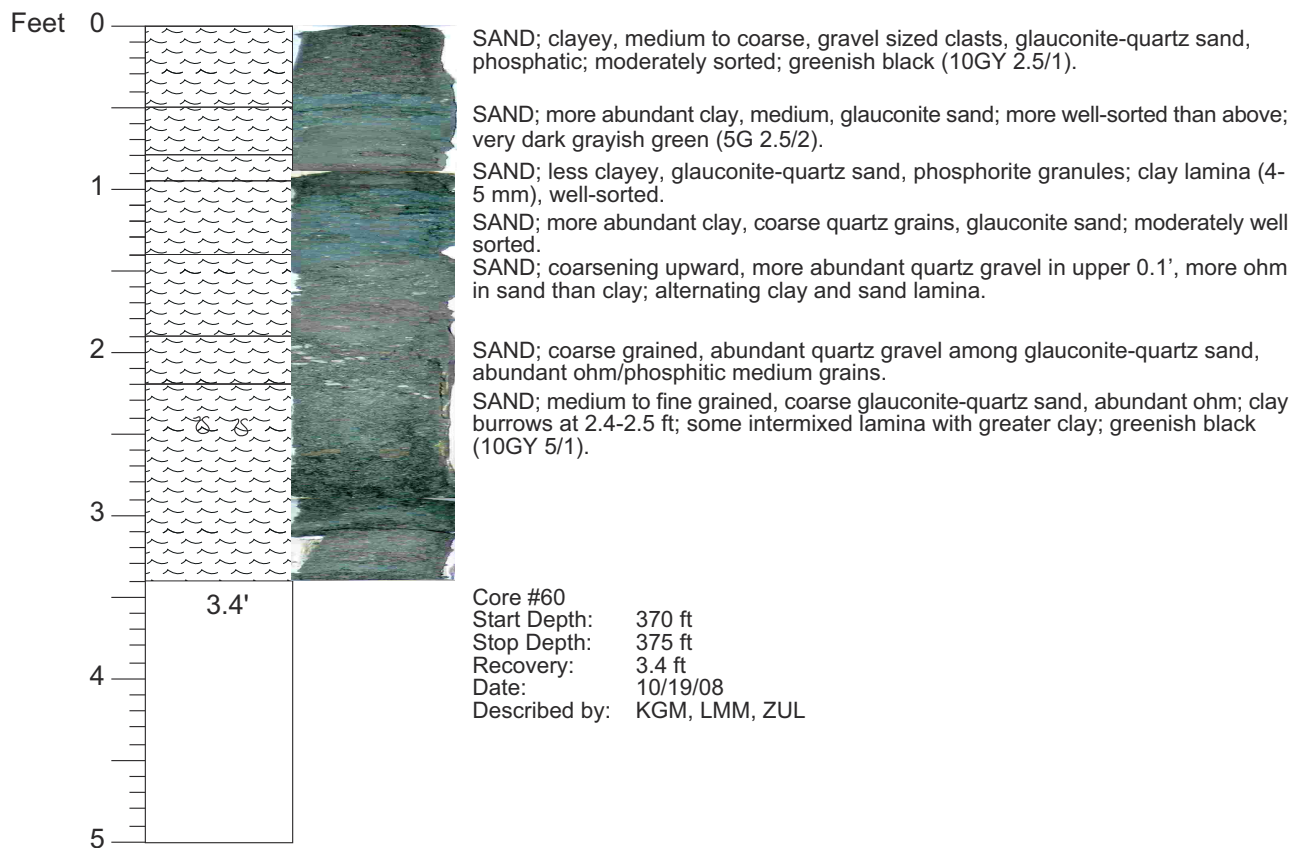
59



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

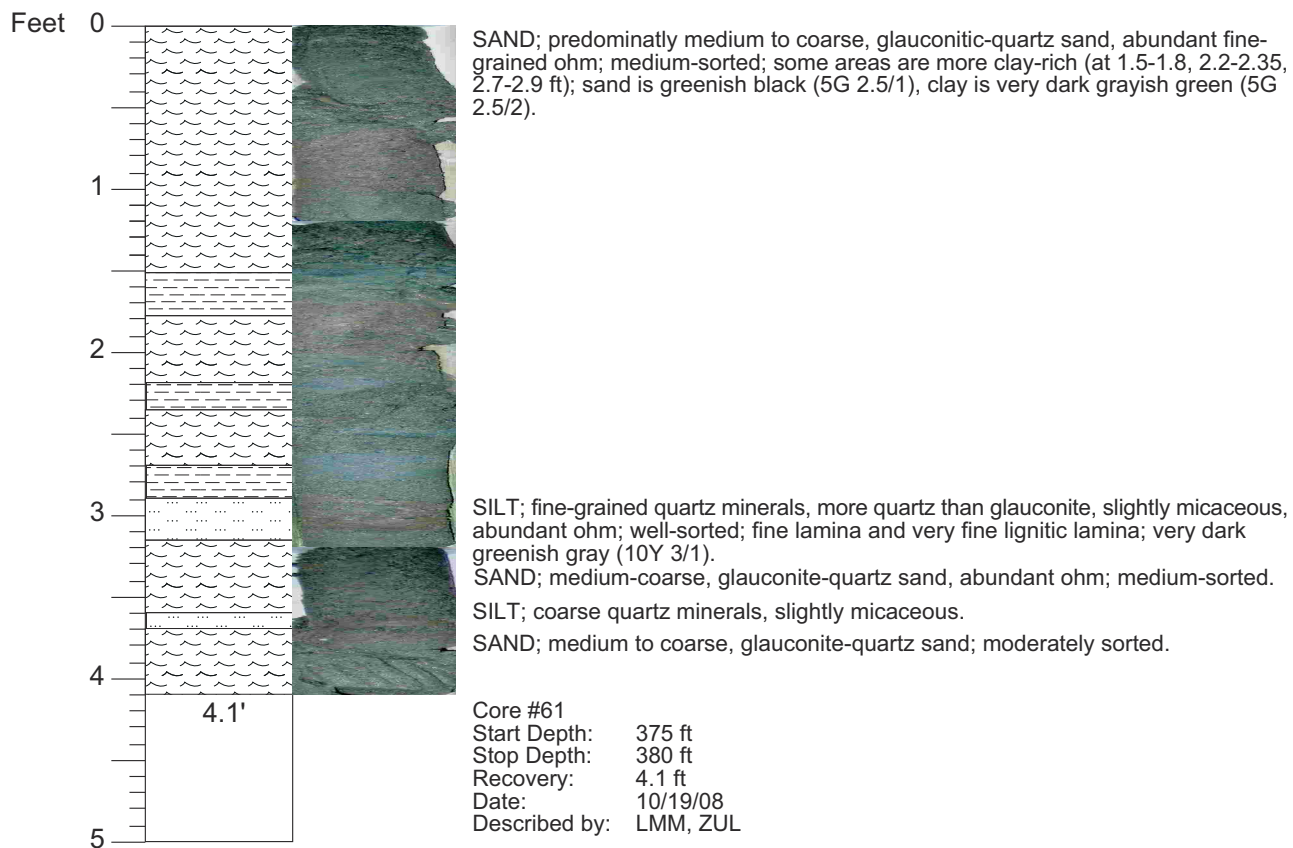
60



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

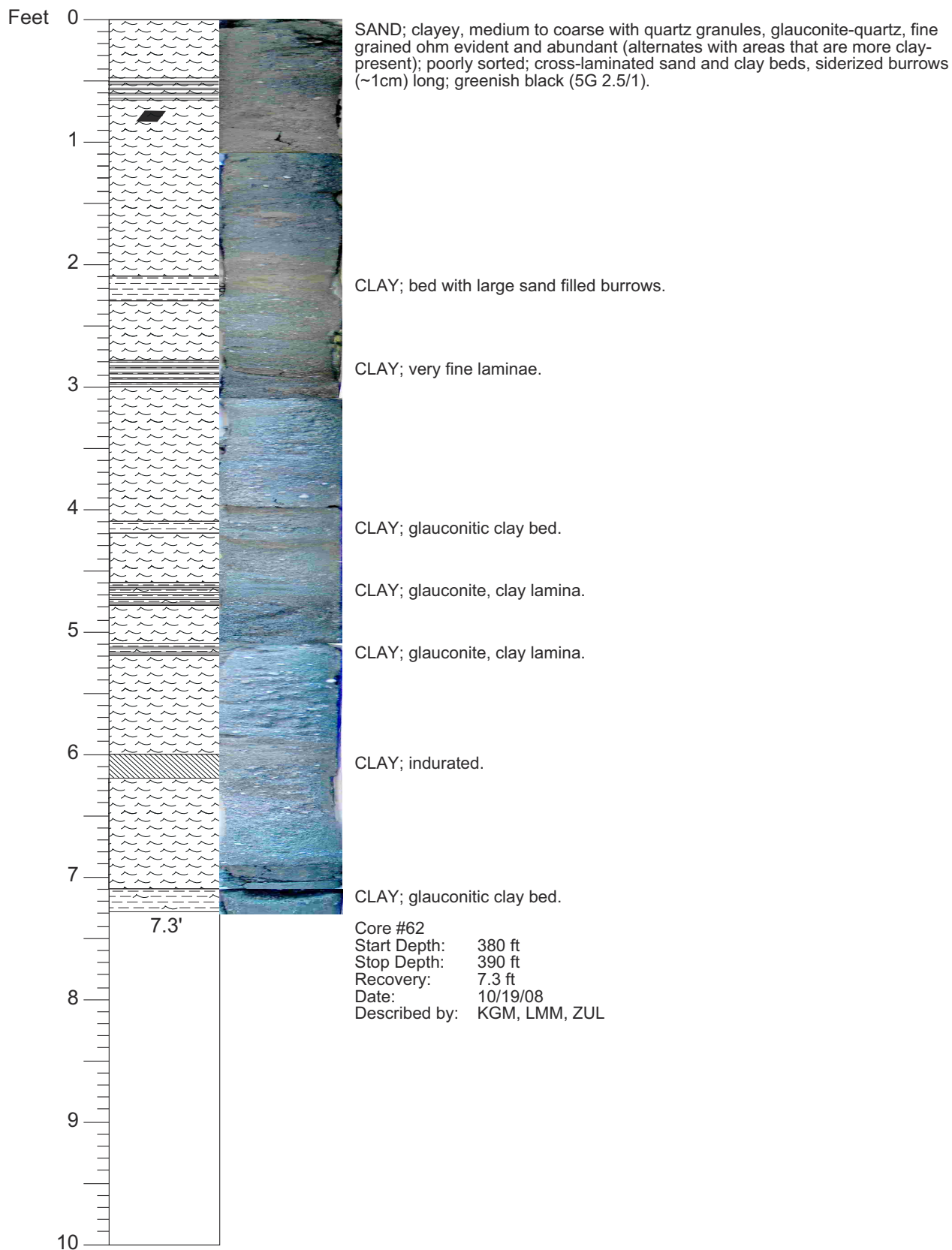
61



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

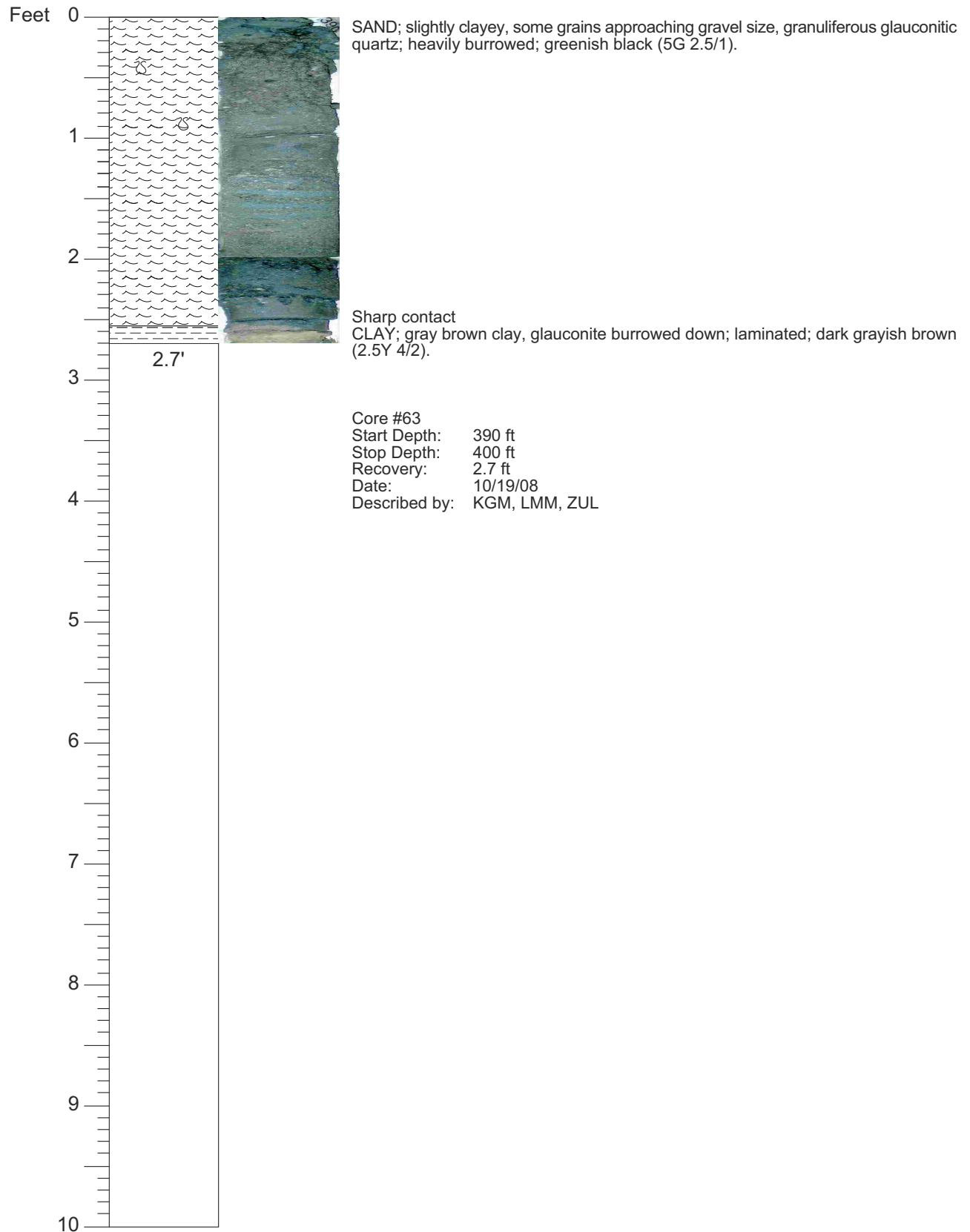
62



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

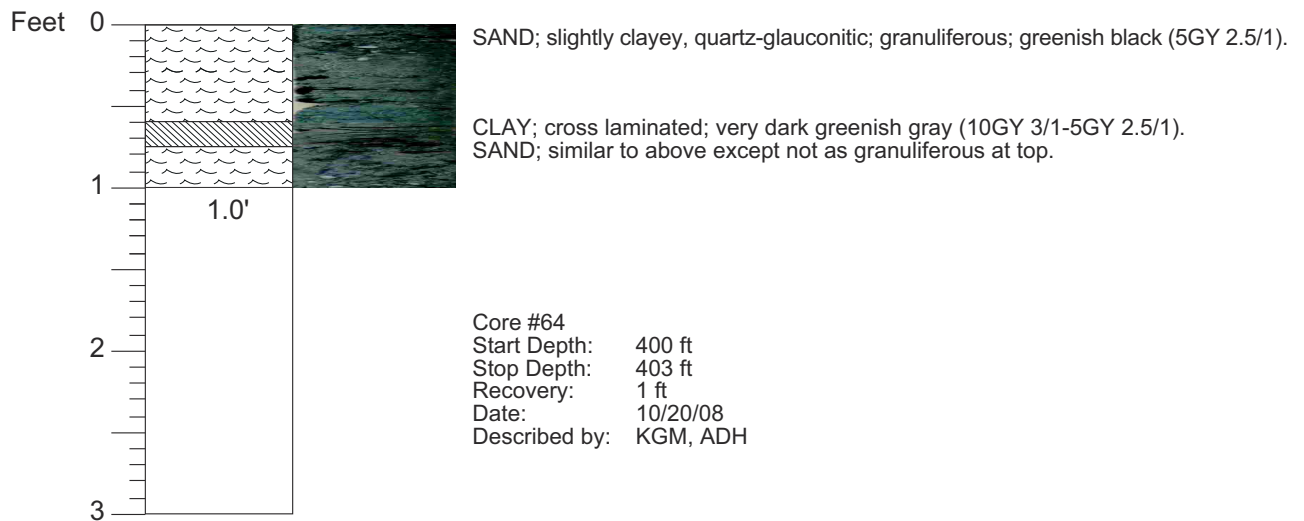
63



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

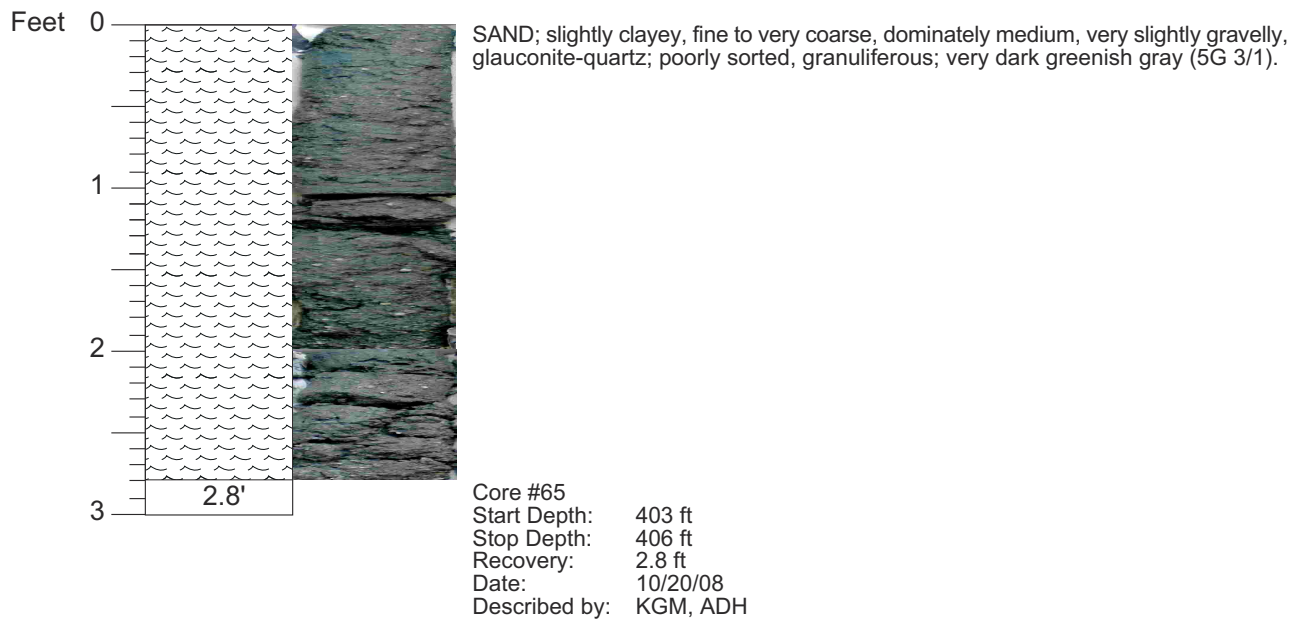
64



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

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CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

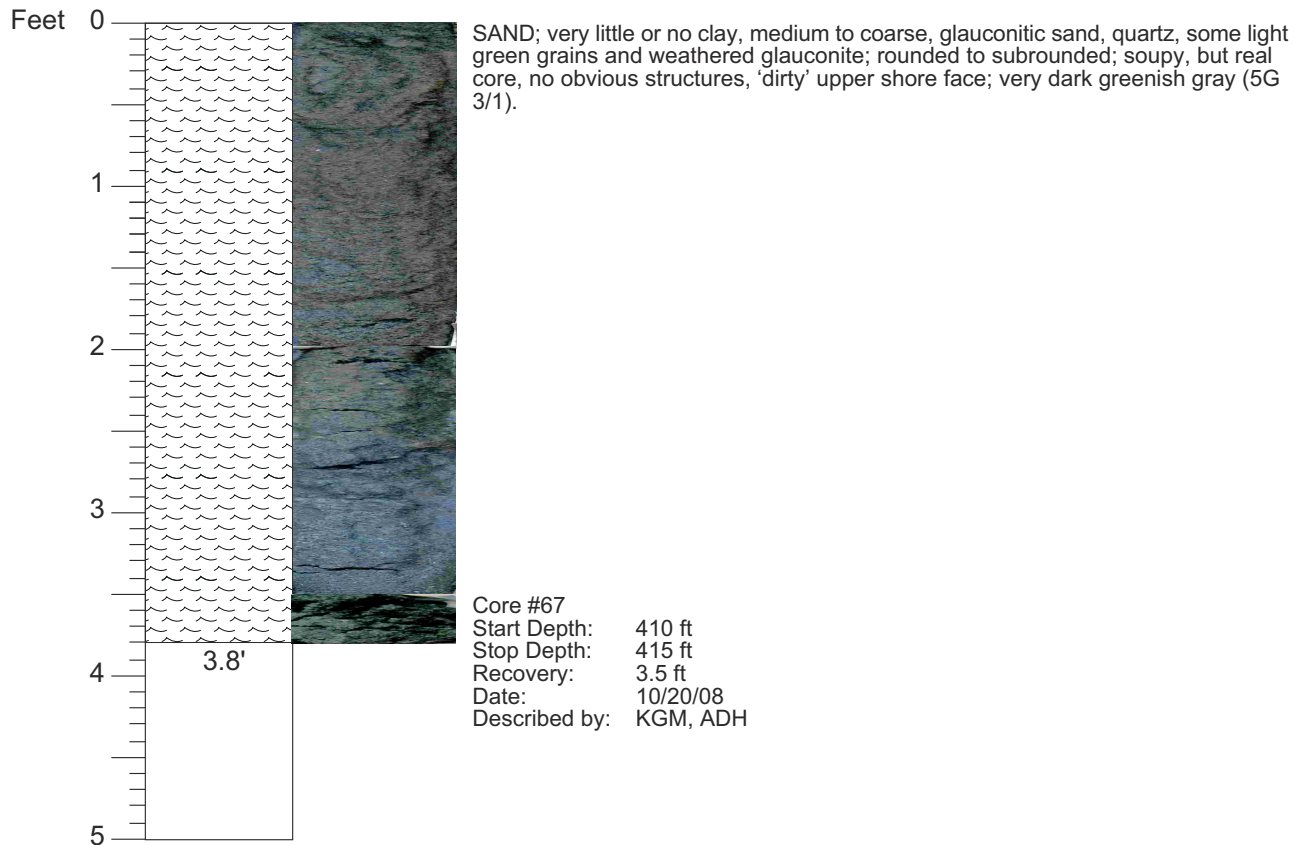
66



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

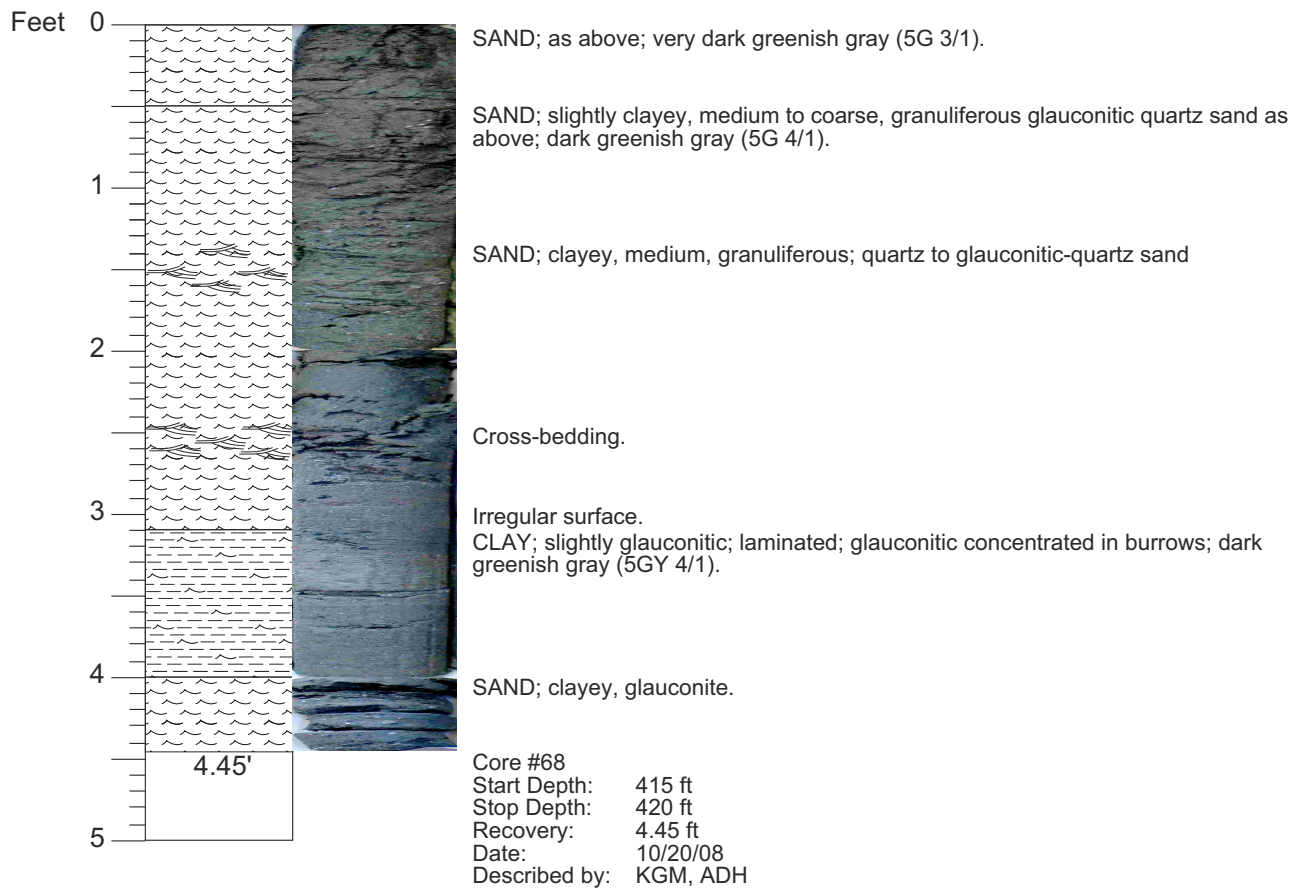
67



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

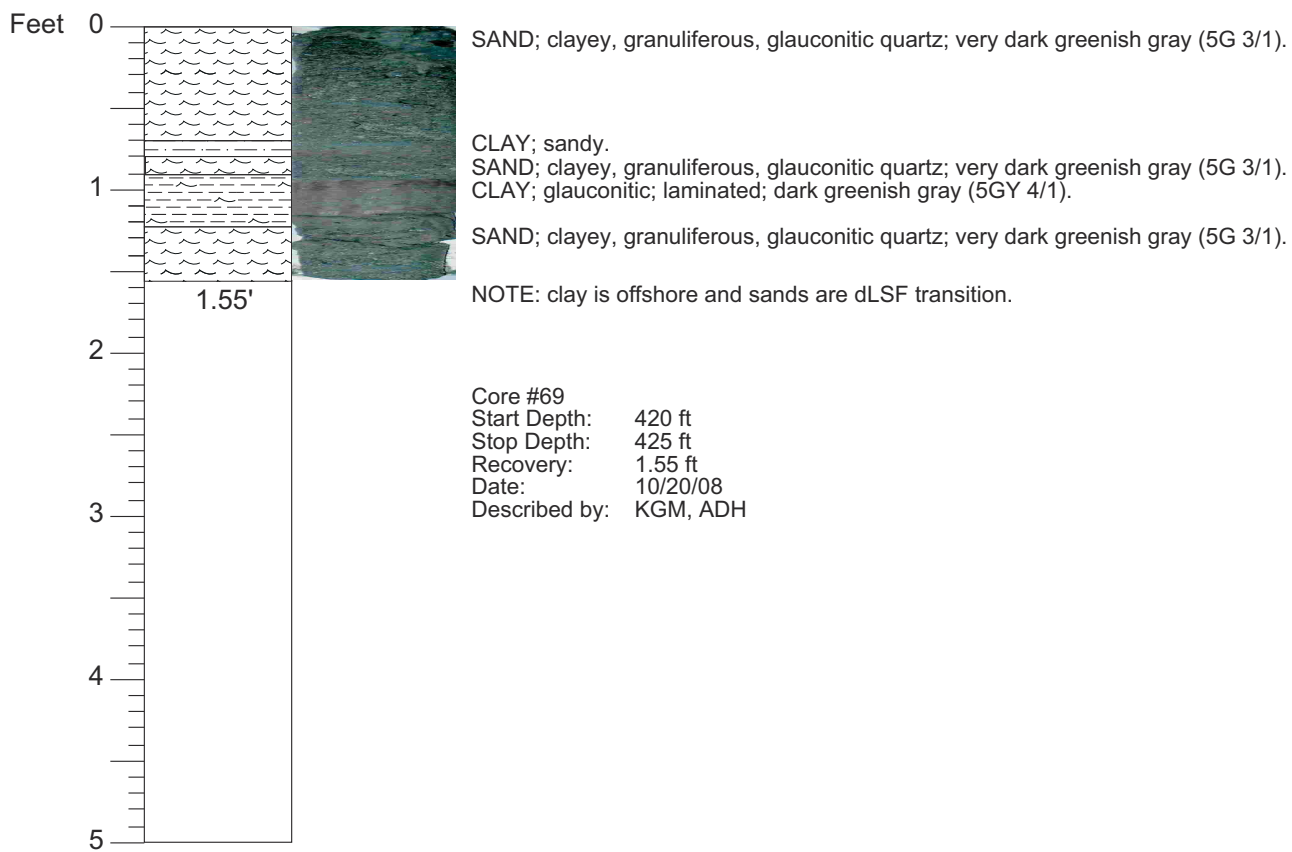
68



CORE DESCRIPTIONS

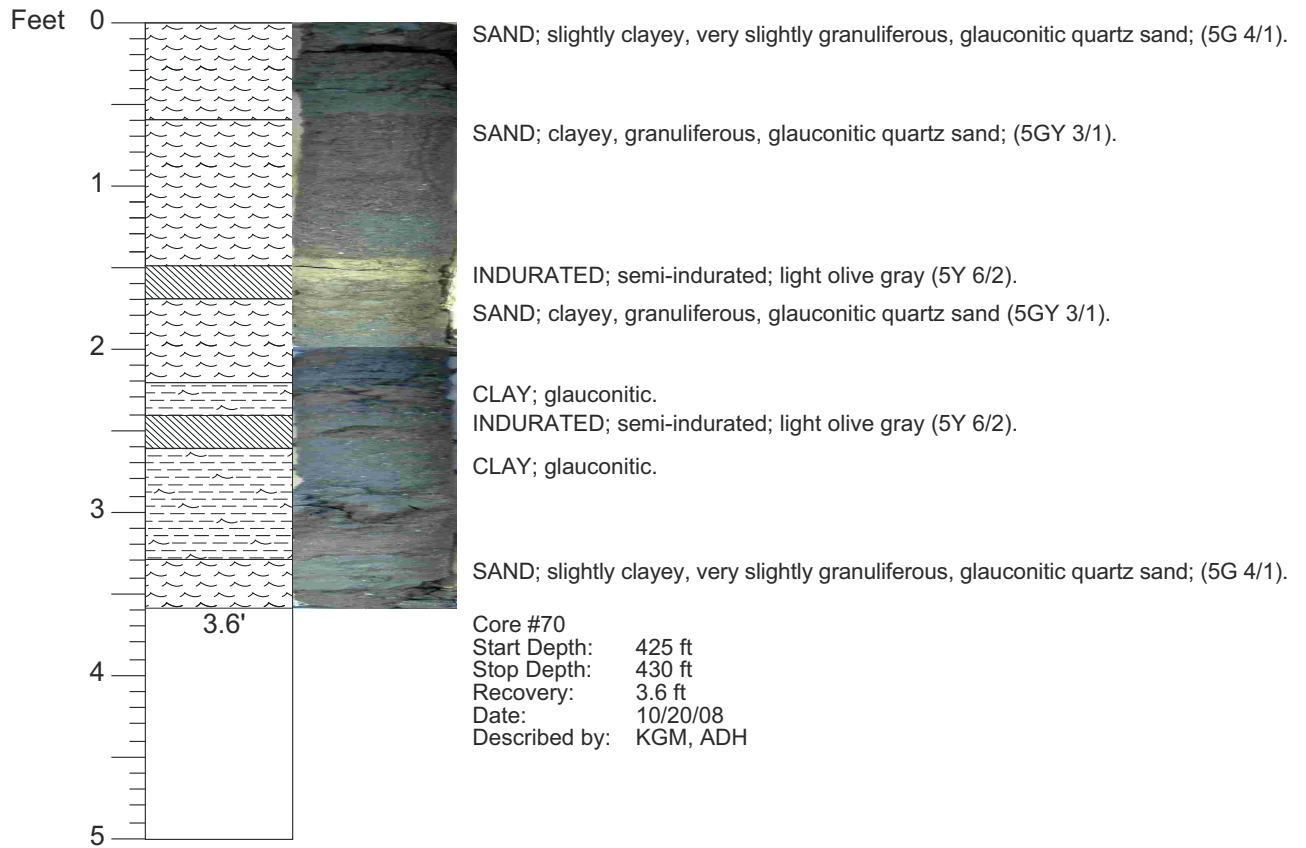
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

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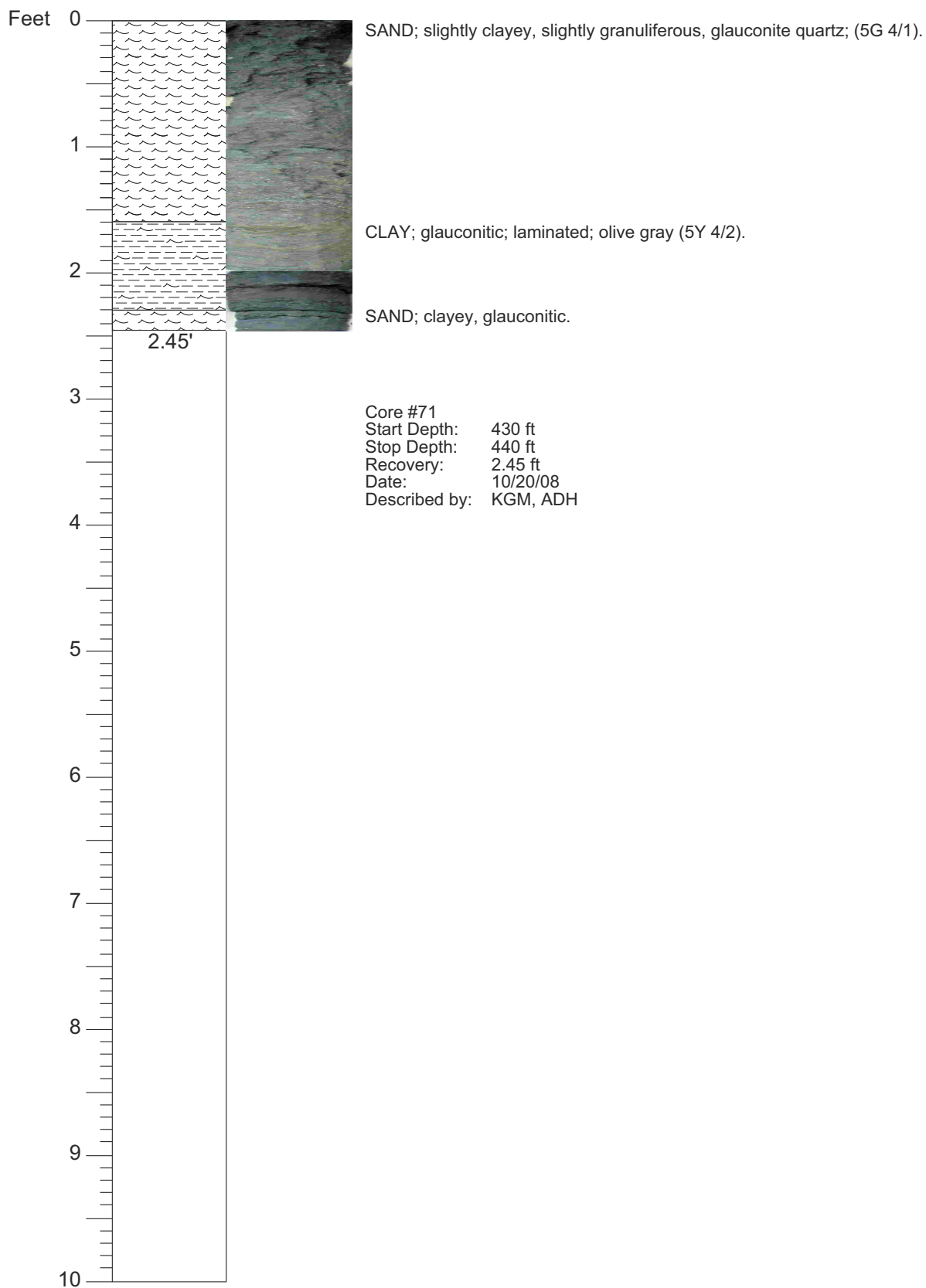
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

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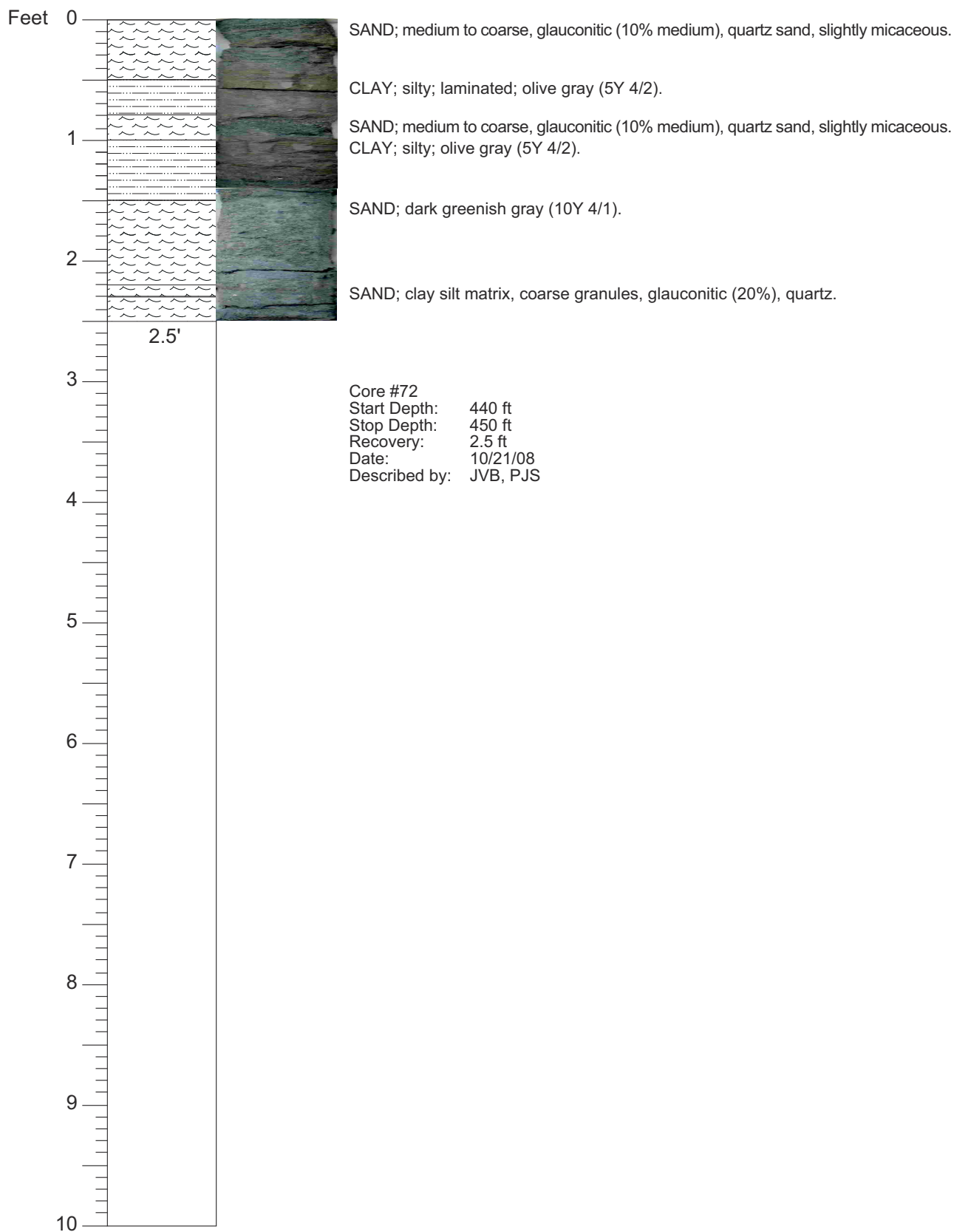
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

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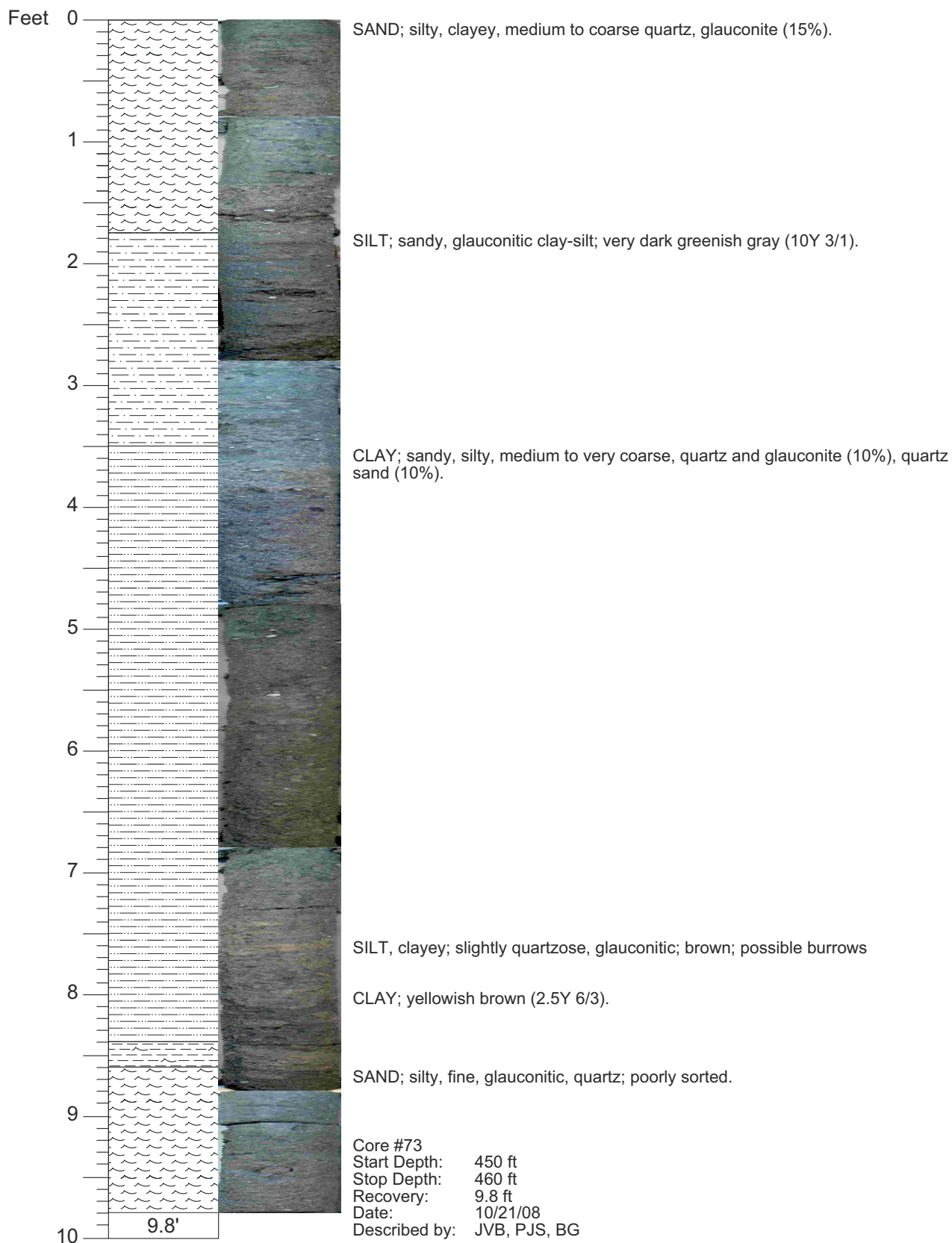
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

72



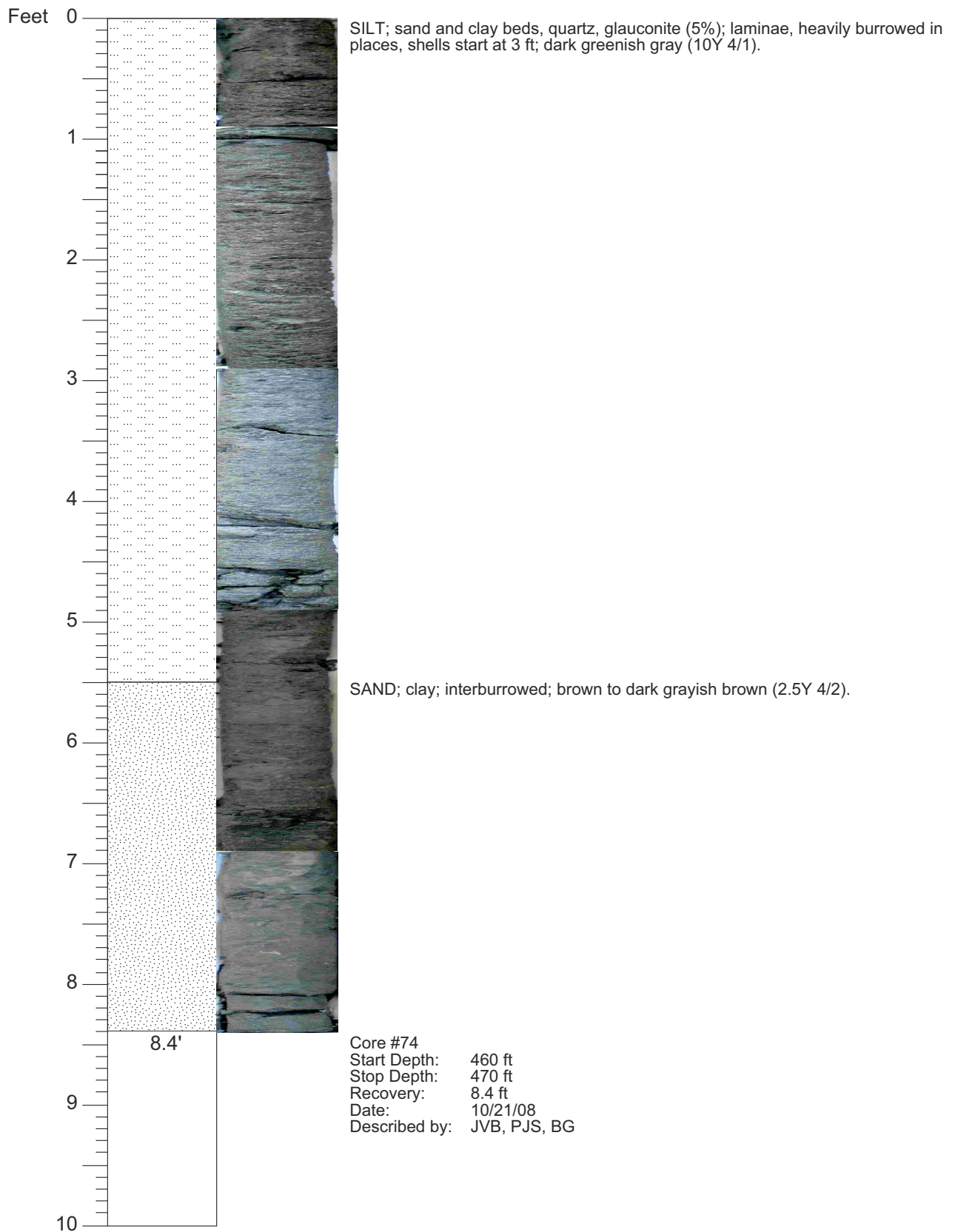
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

73



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

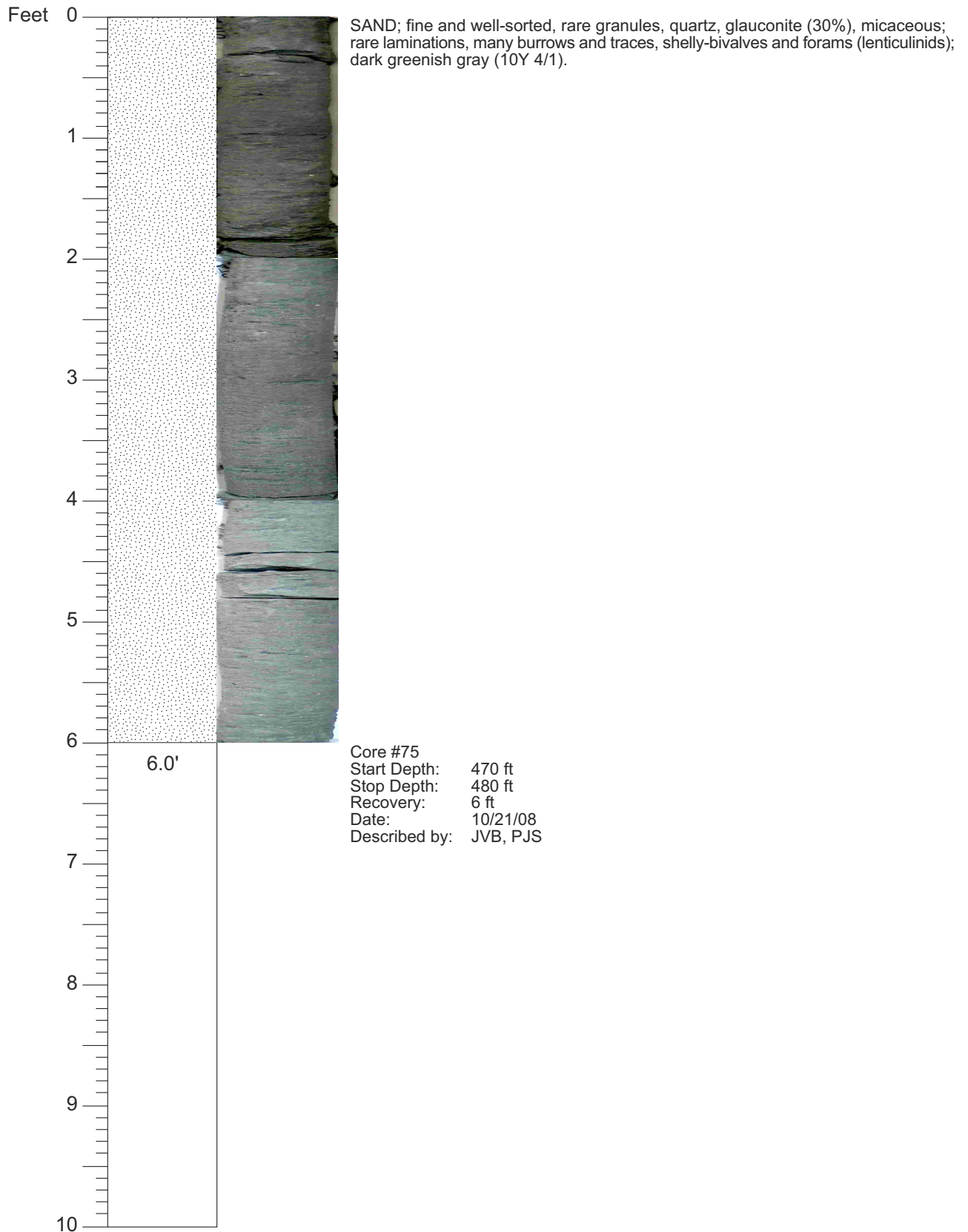
74



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

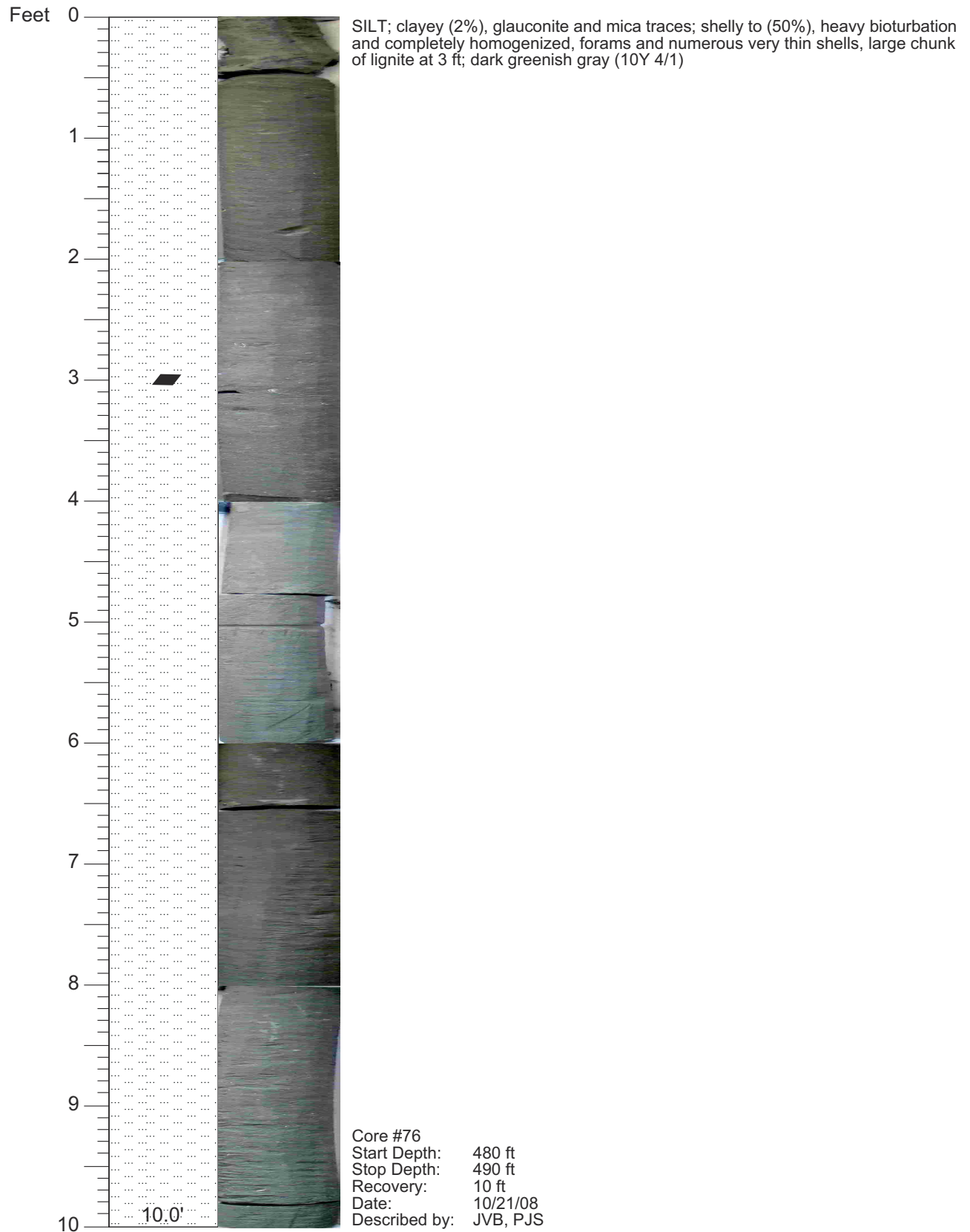
75



CORE DESCRIPTIONS

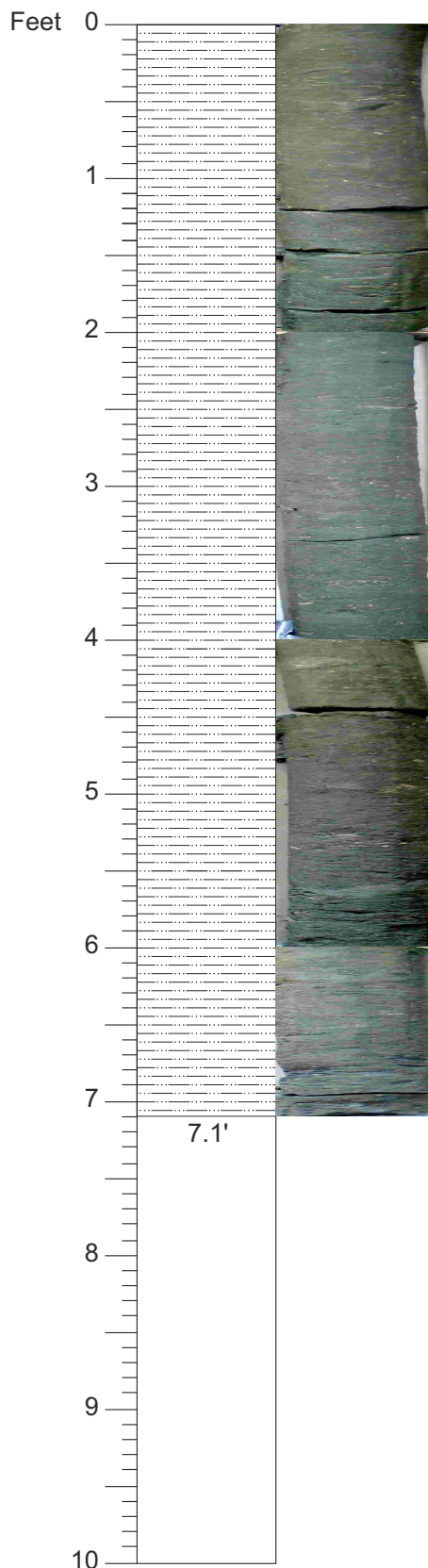
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

76



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

77



SILT; clayey, few large micas, few percent (fine) glauconite mostly in burrows, increases down core to about 30-40%; heavily burrowed, shelly (abundant) including coral; dark greenish gray (10Y 4/1), very dark greenish gray (10Y 3/1).

4.7, 4.9, 5.3, 5.5 - 5.6, 6.3 are glauconite rich beds.

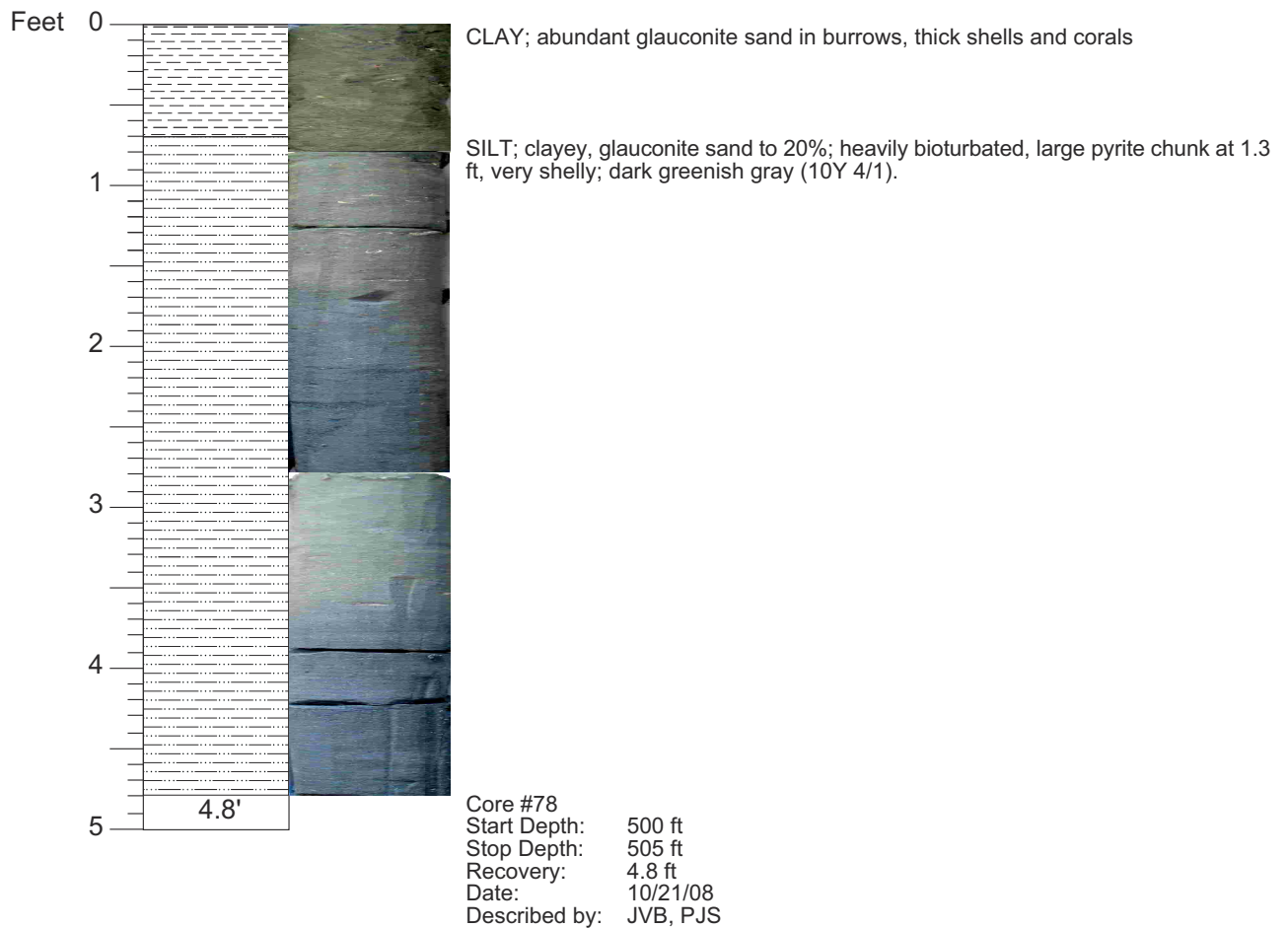
4.9, 5.6 - 5.7, 6.2 - 6.3 are clay beds

NOTE: bottom 2.6 ft came up in core #78; photos indicate more recovery than data says.

Core #77
 Start Depth: 490 ft
 Stop Depth: 500 ft
 Recovery: 7.1 ft
 Date: 10/21/08
 Described by: PJS, JVB

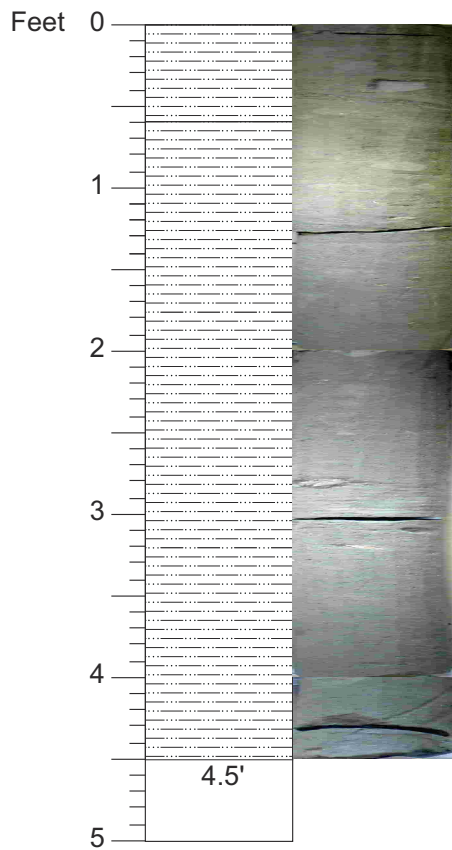
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

78



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

79



SILT; clayey; glauconite in burrows (20%), shelly.

Burrowed contact; burrows up to 2 cm across and down to 1 ft.

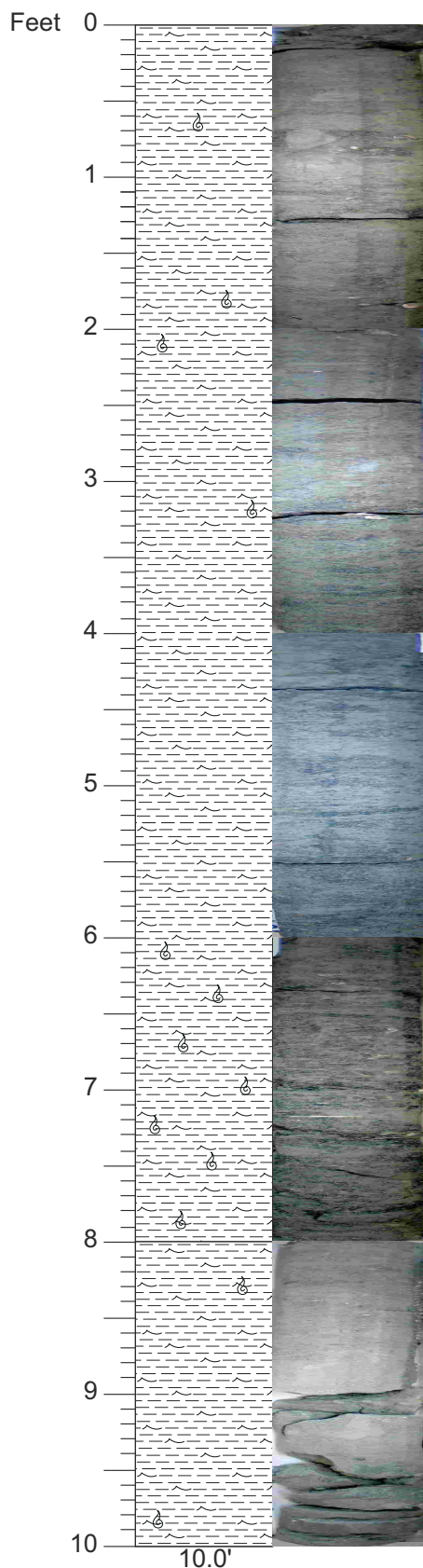
CLAY; silty, slightly glauconitic; abundant shell material, large pyrite chunk at 2.8 ft, coral at 3.1 ft; dark greenish gray (10Y 4/1).

Core #79
Start Depth: 505 ft
Stop Depth: 510 ft
Recovery: 4.5 ft
Date: 10/21/08
Described by: JVB, PJS

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

80



CLAY; silty, very fine, glauconitic overall (20-25%), variable throughout; extensive burrows up to 2 cm diameter throughout, but prominent to 0.7 ft (lower glauconite).

0.65, 1.8, 2.1, 3.2, 6.6-8.0, 8.2 ft have shells up to 1cm; 6.6-8.0 ft has shells that are 3-4 cm; glauconite becomes more apparent at 3.2 ft; glauconite and shells increase in frequency at 5.0 ft; layer of glauconite at 5.15 ft; many shells highly bioturbated at 6.6 ft; at 7.0 ft, minor quartz sand (fine), glauconite (30%), but still dominantly clay, highly bioturbated, shells; by 8.0 ft, dramatic decrease in glauconite, shell size decreases (20-25%); glauconite drops at 8.9 ft; glauconite is dark greenish gray (5GY 4/1), clay is greenish gray (5GY 6/1).

Possible irregular surface (may be break in the core).

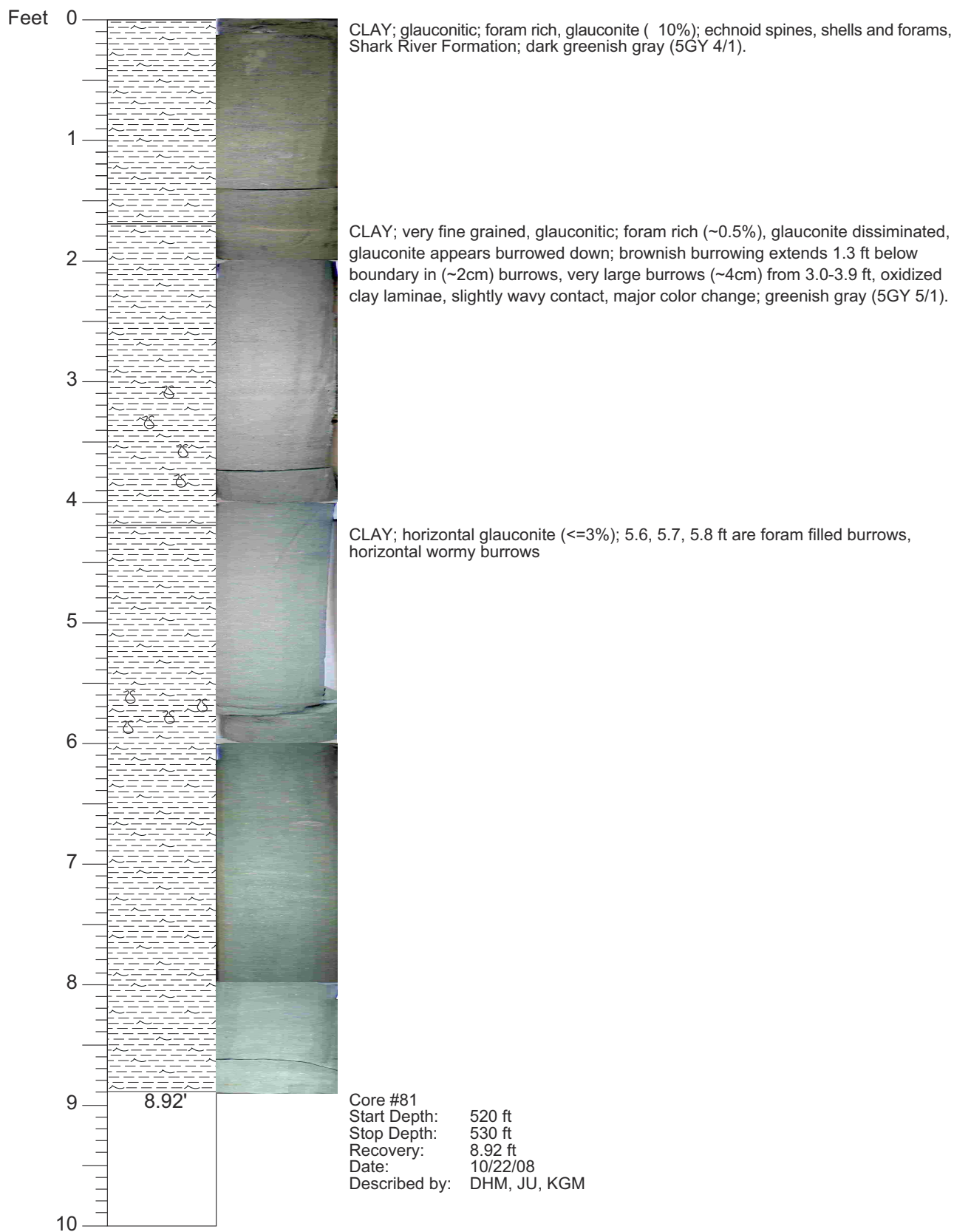
SILT; glauconite (10-15%) at 8.9 ft, better sorted; silt fraction burrowed still, siderized shell at 8.3 ft, small scallop mold at 9.85 ft.

Core #80
Start Depth: 510 ft
Stop Depth: 520 ft
Recovery: 10 ft
Date: 10/22/08
Described by: DHM, JU, KGM

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

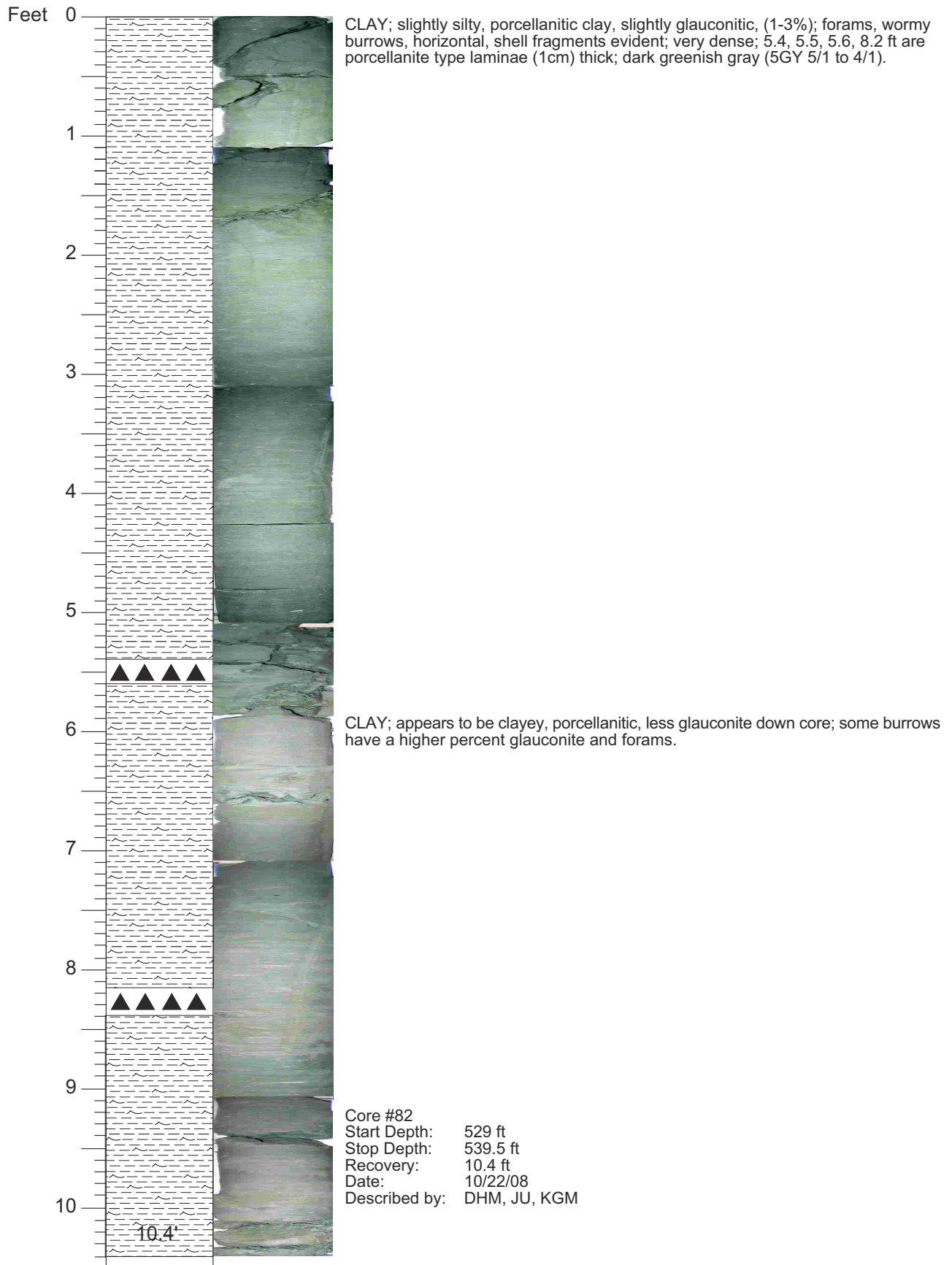
81

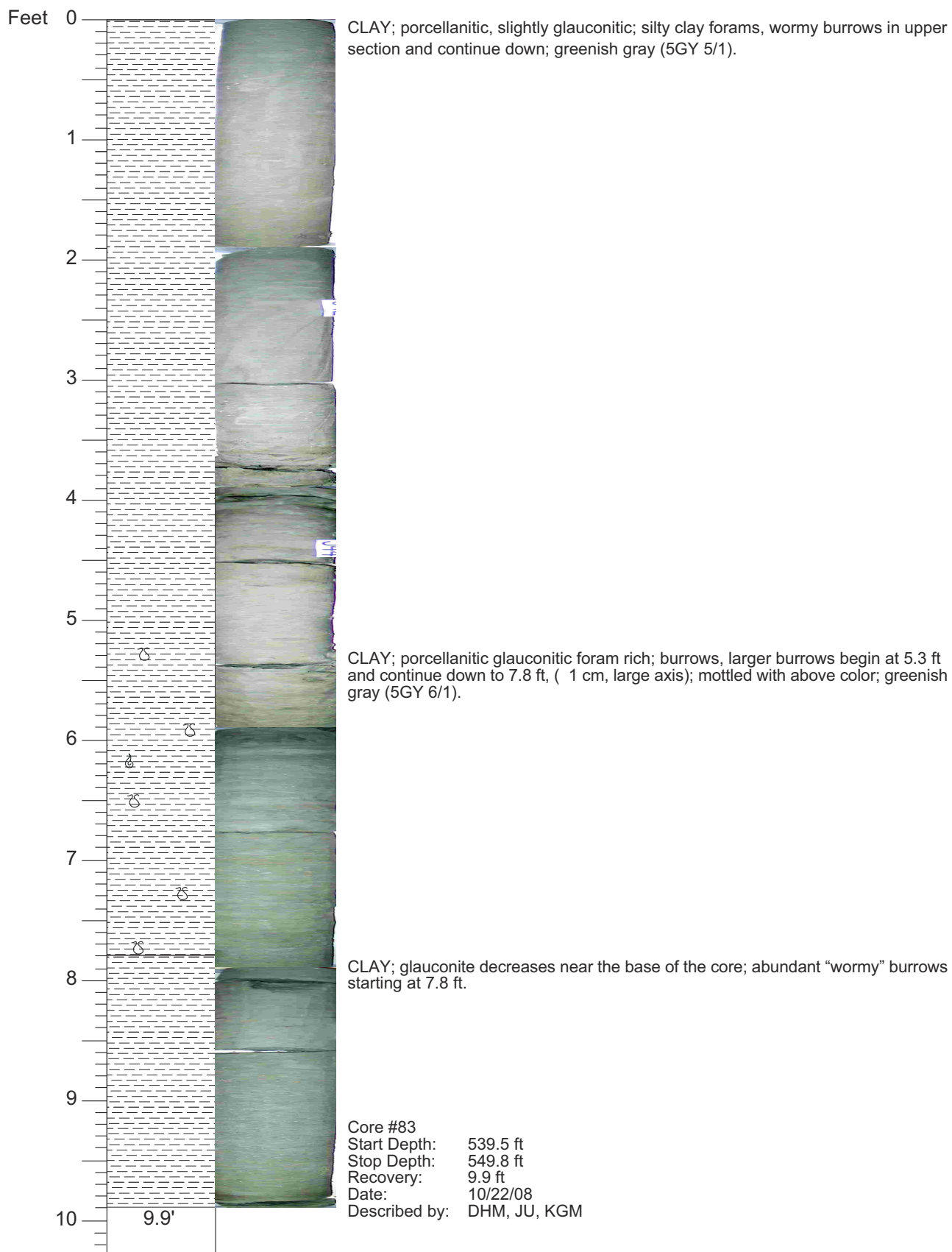


CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

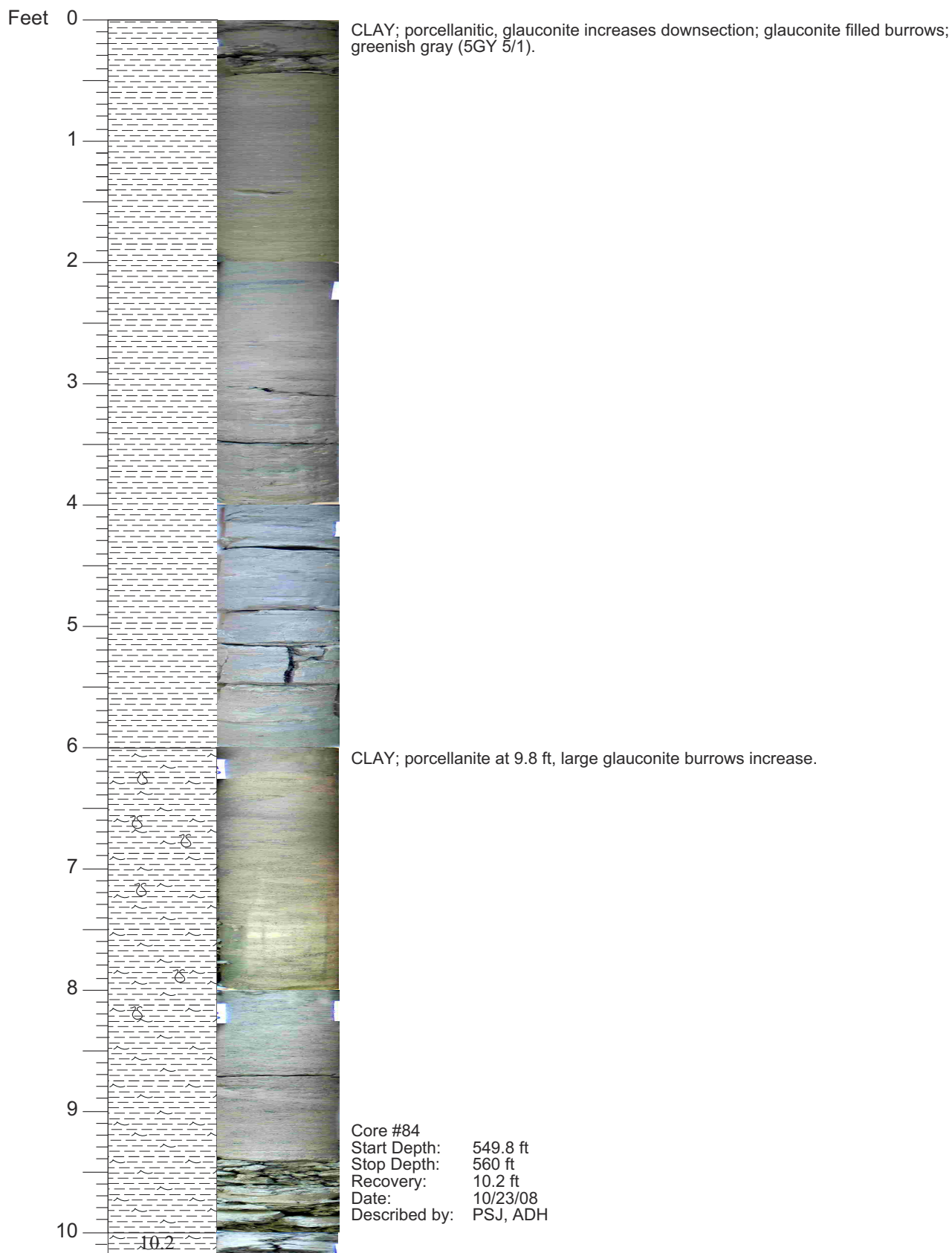
82





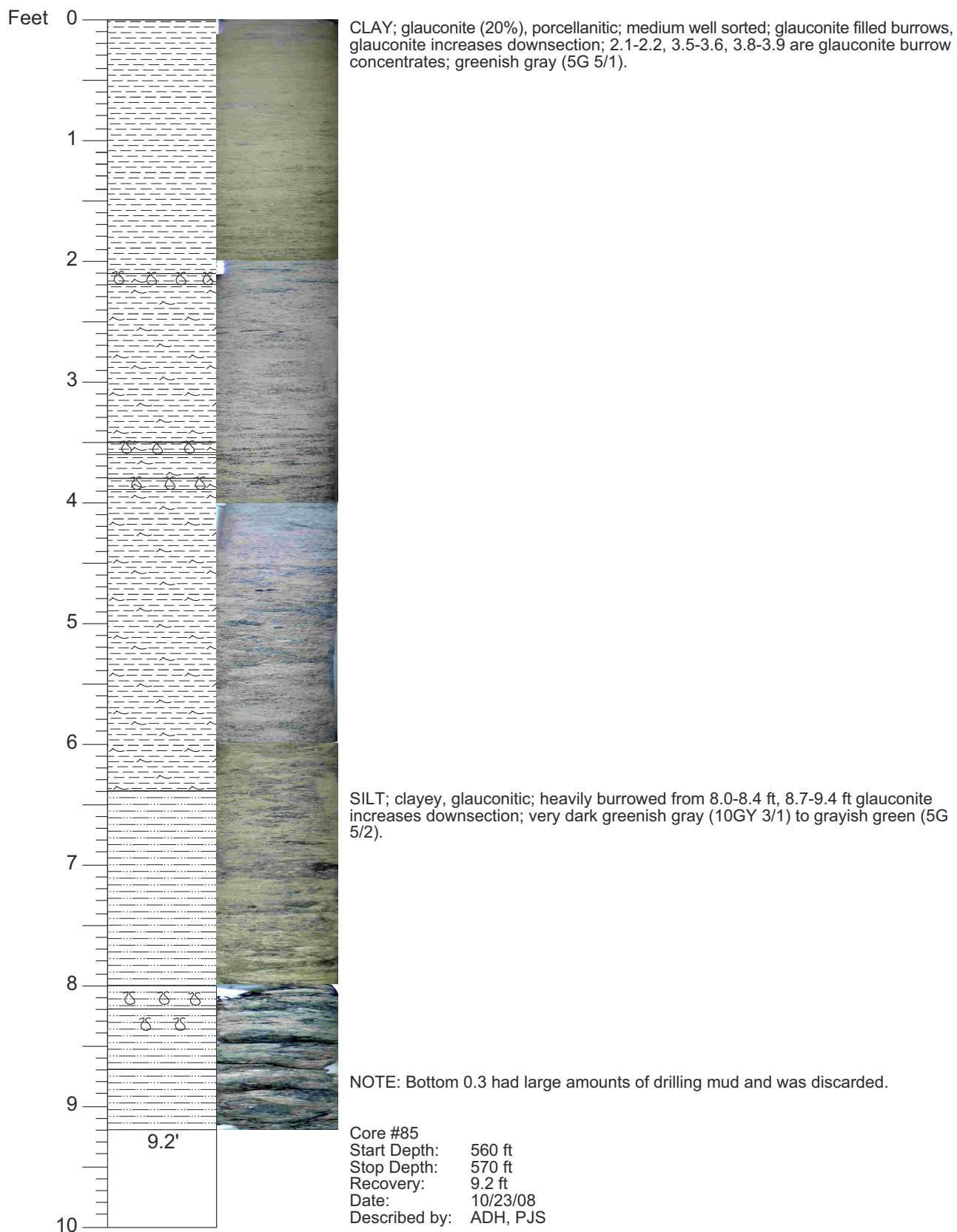
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

84



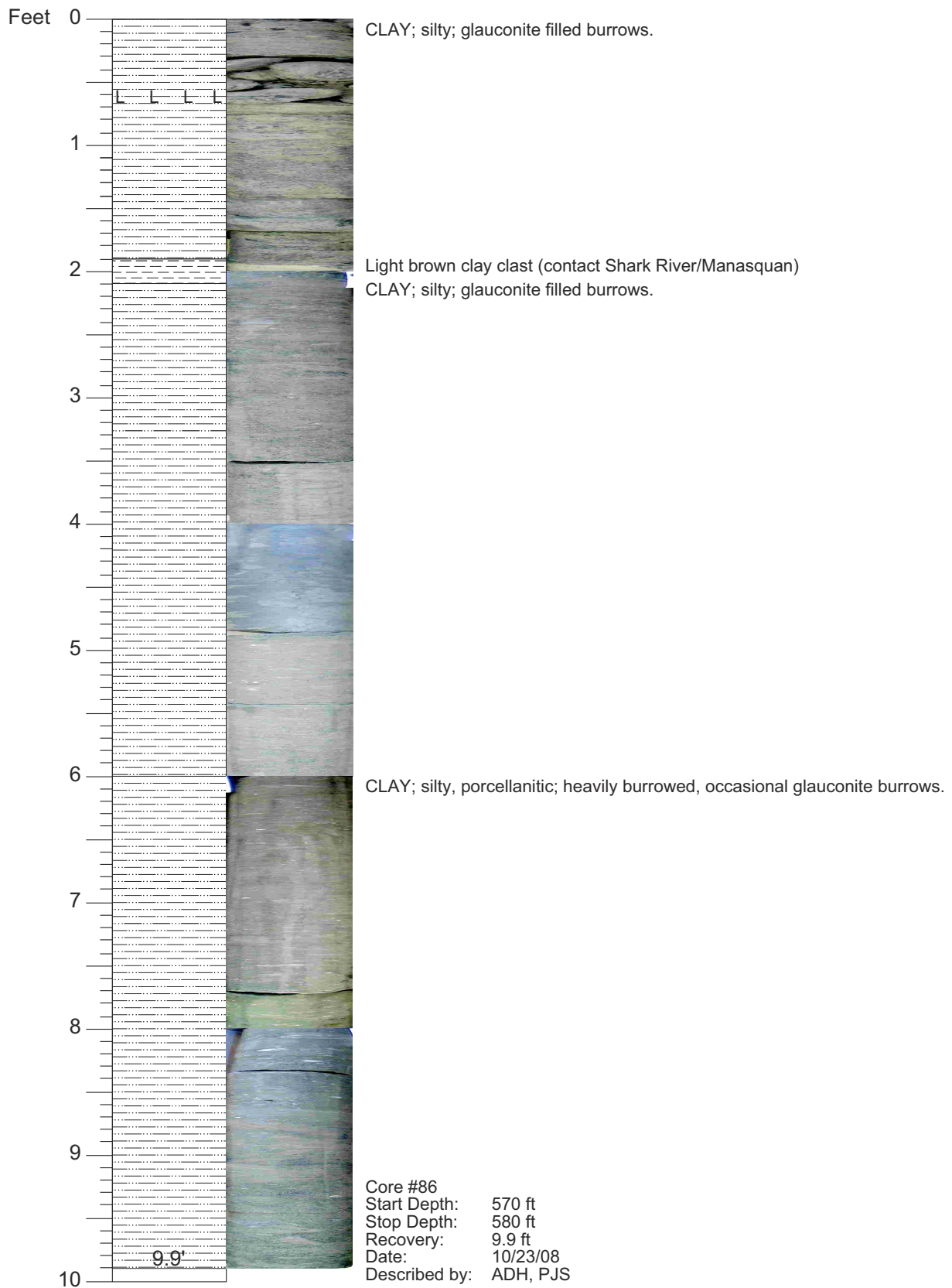
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

85



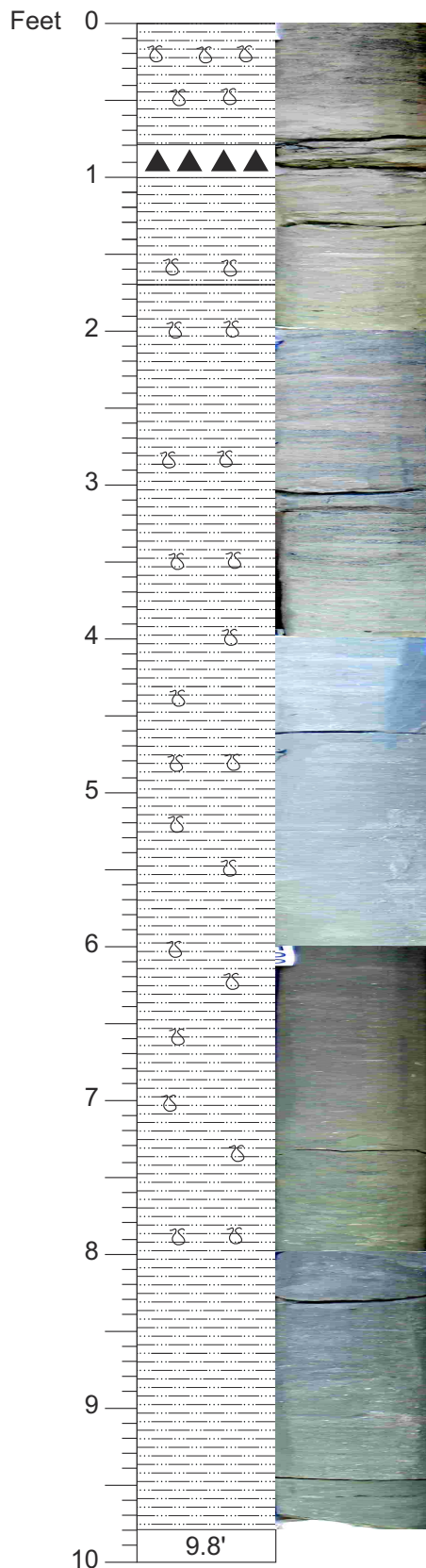
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

86



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

87

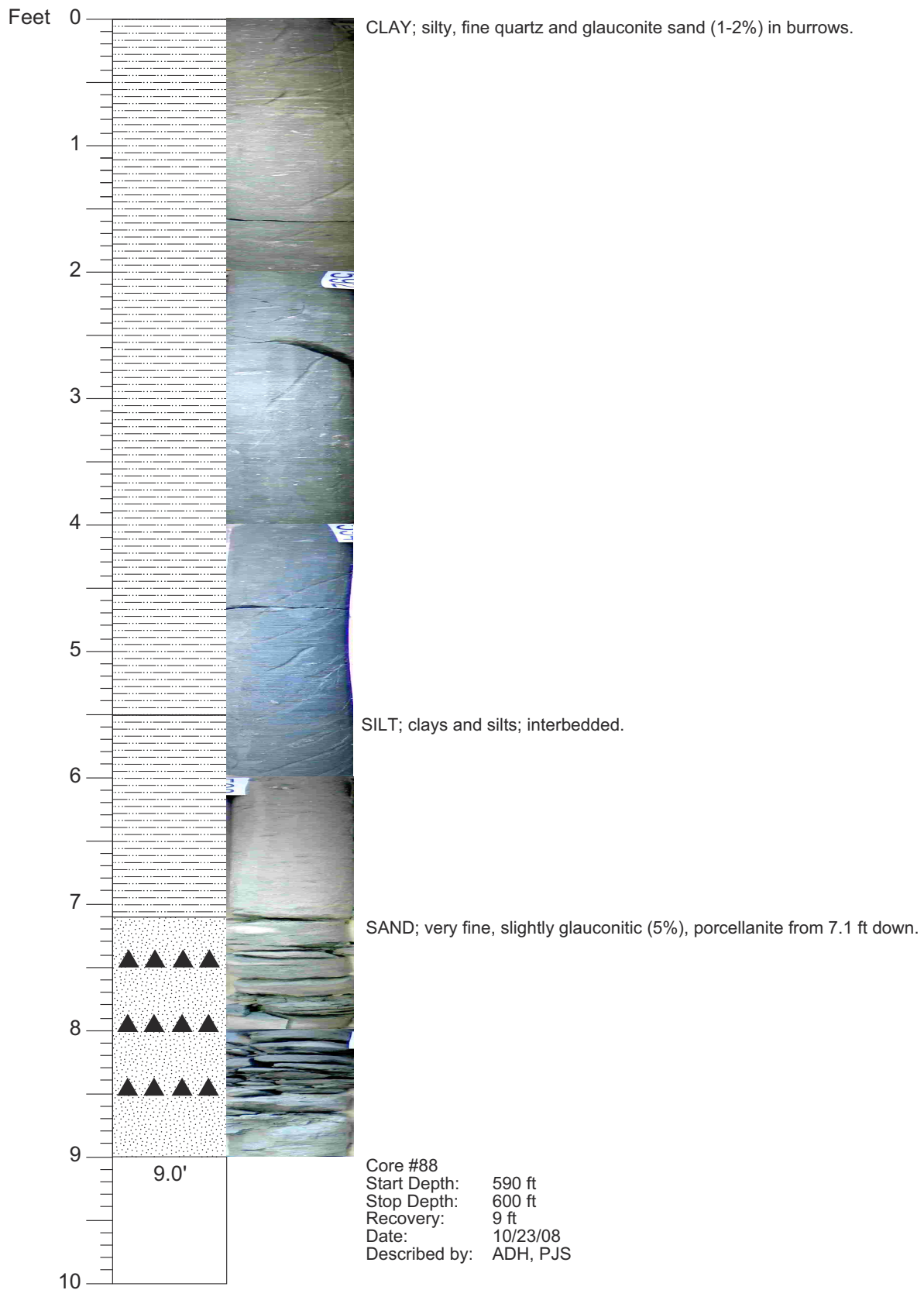


CLAY; silty, glauconite concentrated down to 0.8 ft, porcellanite from 0.8 to 1 ft; heavily burrowed, glauconite filled burrows from 1 to 3 ft, clay filled burrows from 1.5 ft, clay increases downsection; greenish gray (10GY 5/1).

Core #87
 Start Depth: 580 ft
 Stop Depth: 590 ft
 Recovery: 9.8 ft
 Date: 10/23/08
 Described by: ADH, PJS

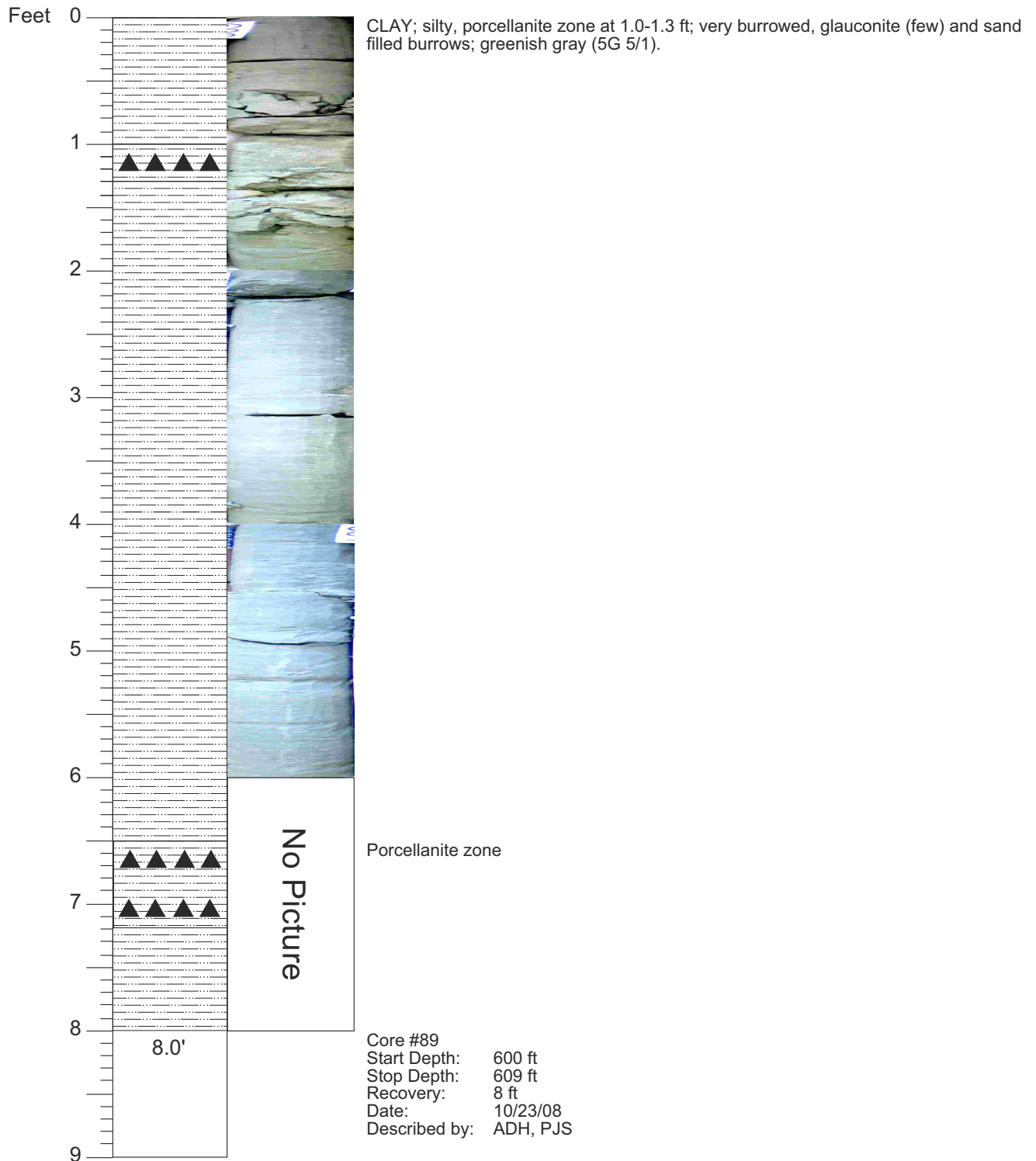
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

88



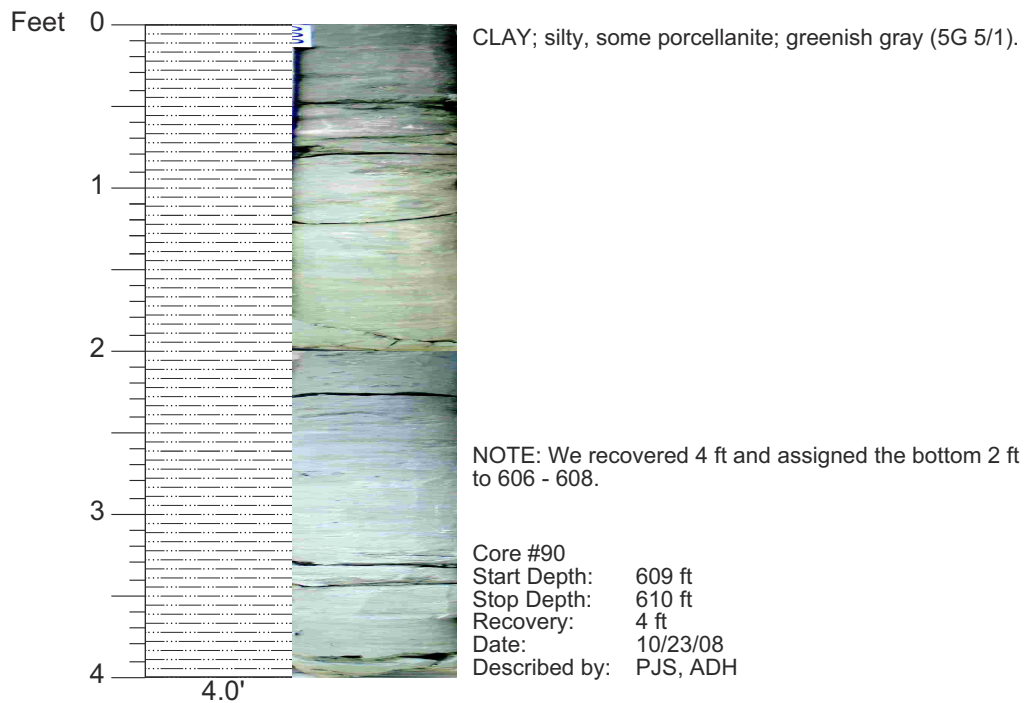
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

89



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

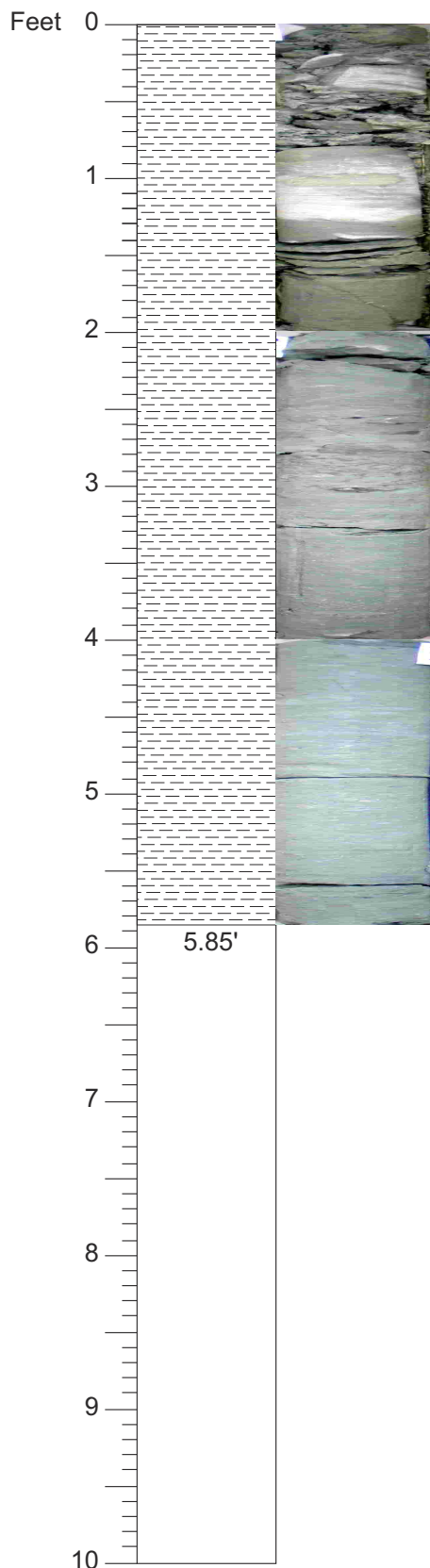
90



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

91



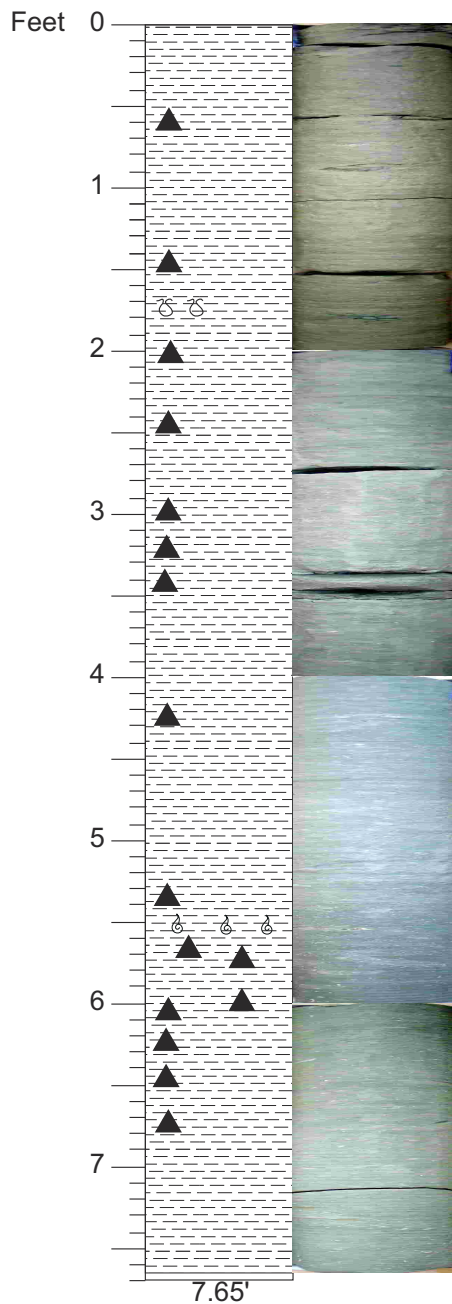
CLAY; silty, slightly glauconitic (very fine sand-sized, 5%), strong porcellanite to 1.9 ft, small zone at 2.1 ft; intermittent induration to base of the core, porcellanitic "wormy" burrows at 2.7-3.0, 3.7-3.85 ft, generally burrowed throughout, some forams present; greenish gray; (5GY 5/1).

Core #91
Start Depth: 610 ft
Stop Depth: 620 ft
Recovery: 5.85 ft
Date: 10/24/08
Described by: JU, SFM, DHM

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

92



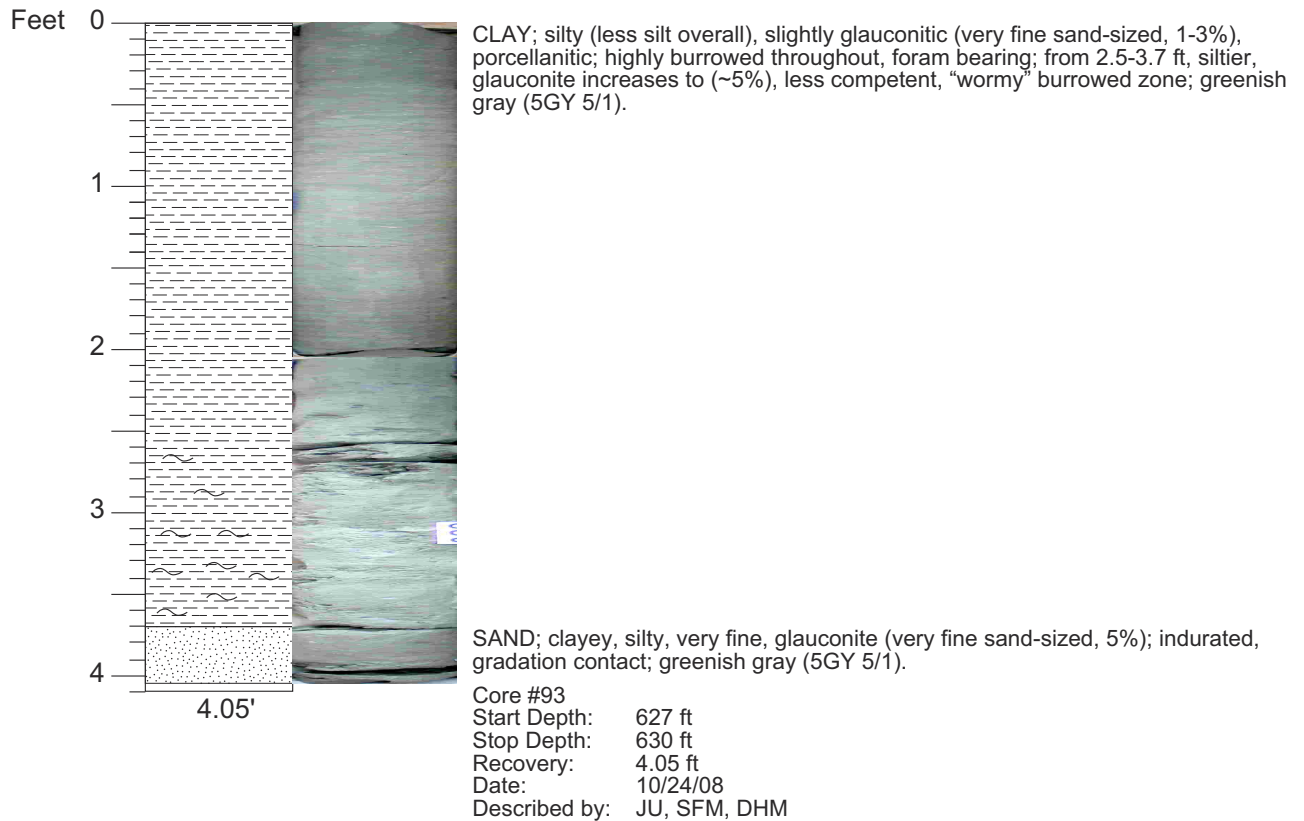
CLAY; silty, slightly glauconitic (1-2%), porcellanitic zones (1 cm thick) at .65, 1.55, 2.0, 2.45, 3.0, 3.2, 3.4, 4.3, 5.4-6.2 ft; green-lined burrows at 1.75 ft sub cm in diameter (6.6), burrowed throughout (larger burrows more common), 5.4-6.2 ft is particularly well-burrowed; shell layer at 5.5 ft possibly siderite associated, miner forams; greenish gray (5GY 5/1).

Core #92
 Start Depth: 620 ft
 Stop Depth: 627 ft
 Recovery: 7.65 ft
 Date: 10/24/08
 Described by: JU, SFM, DHM

CORE DESCRIPTIONS

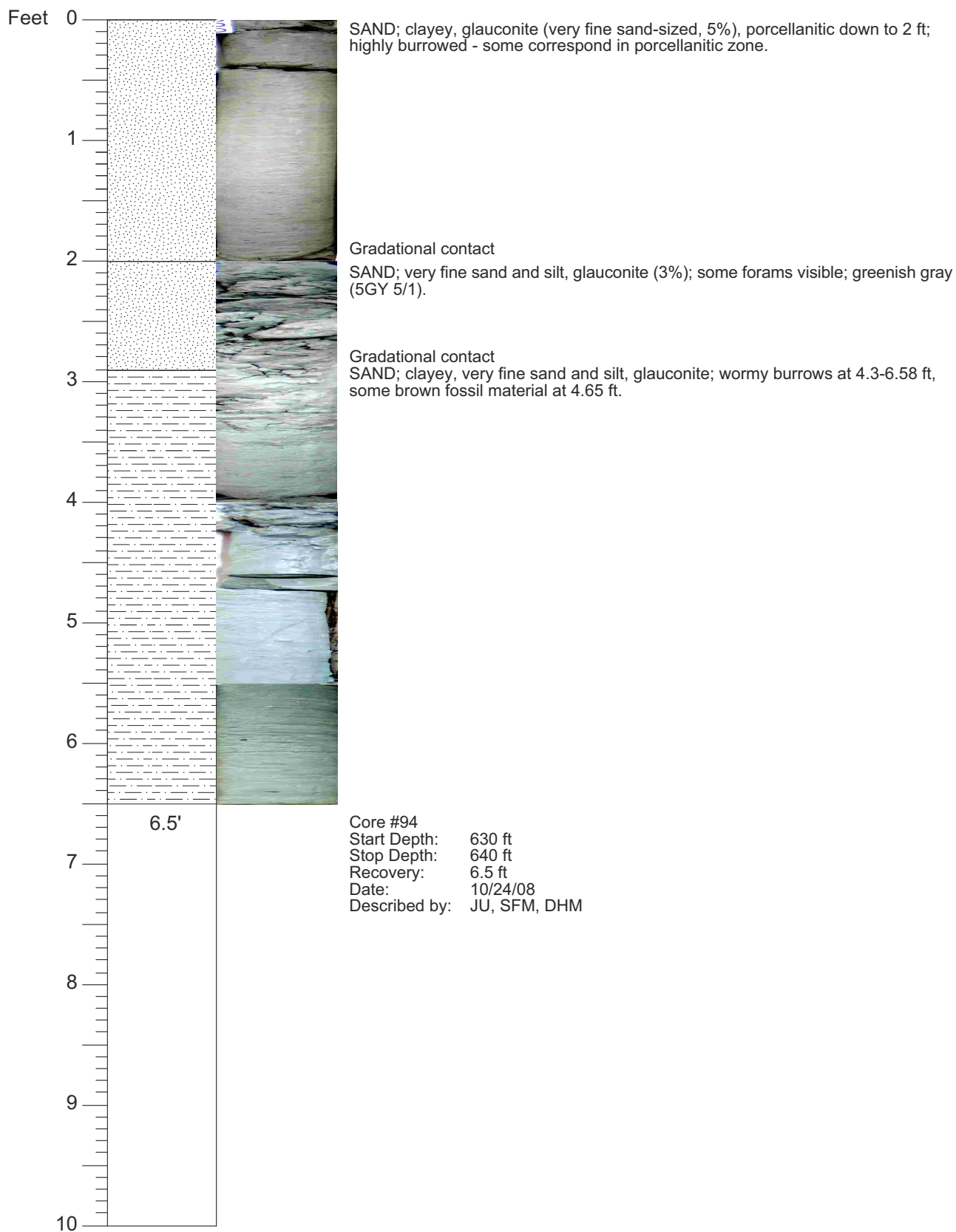
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

93



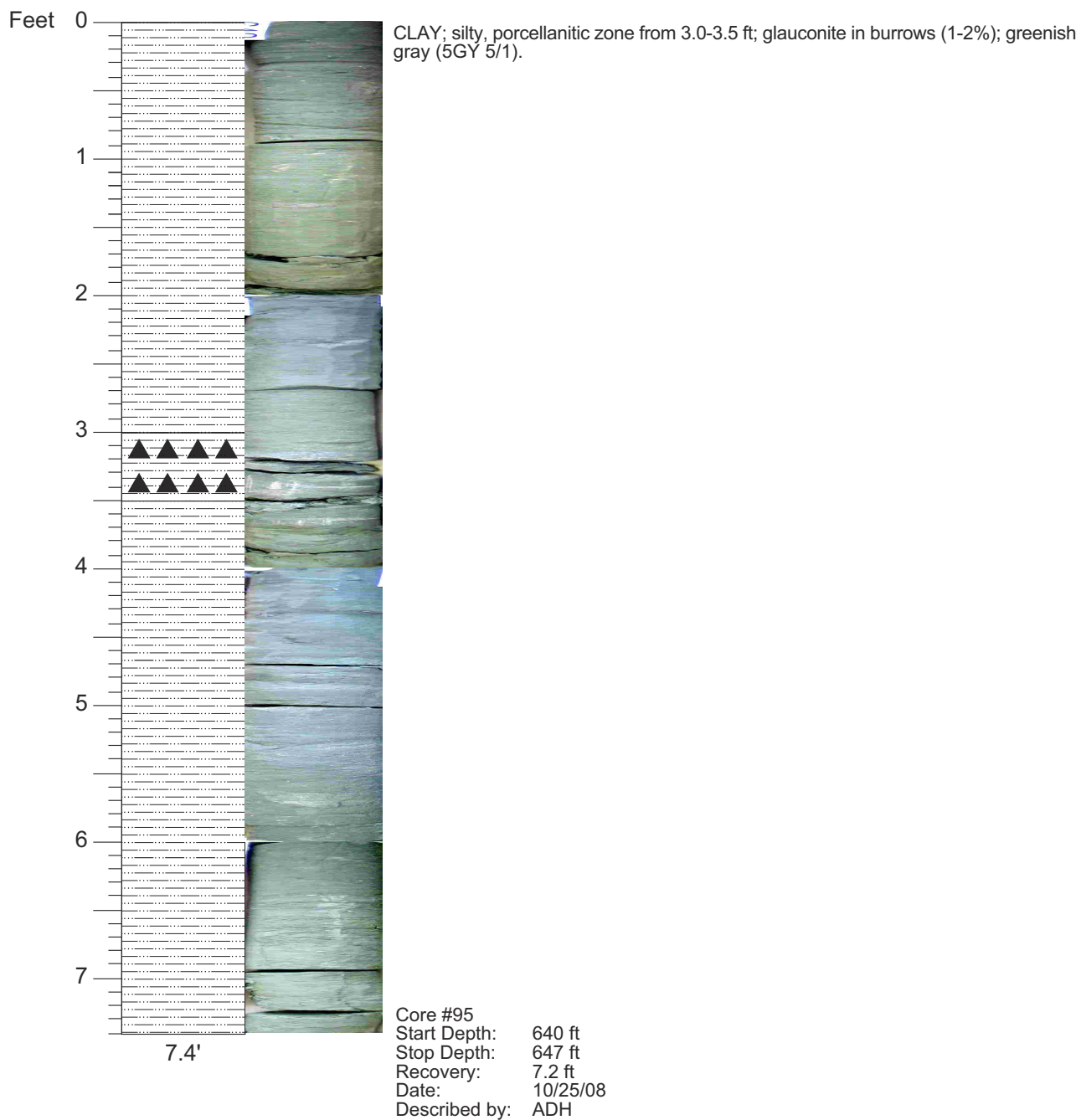
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

94



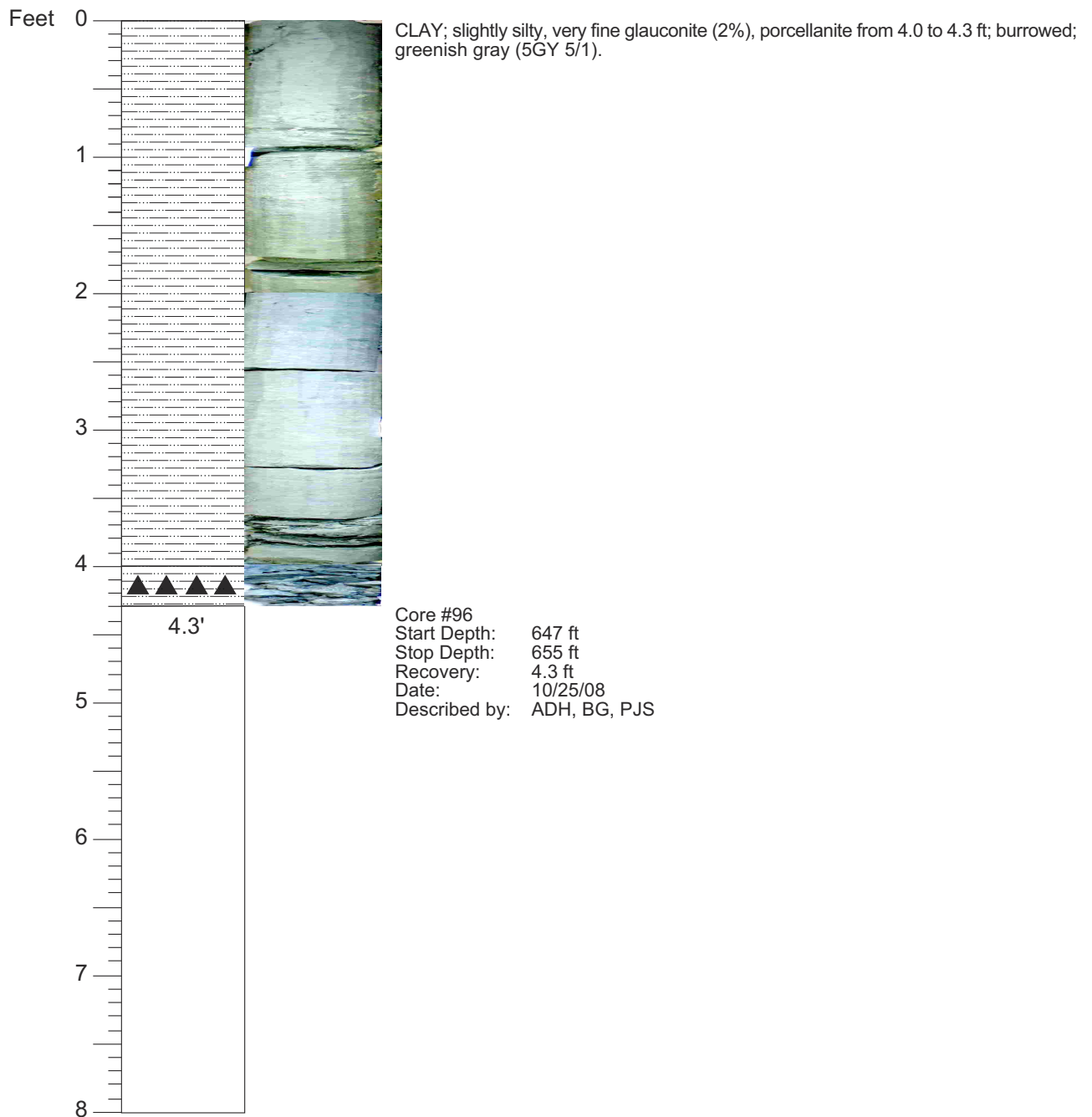
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

95



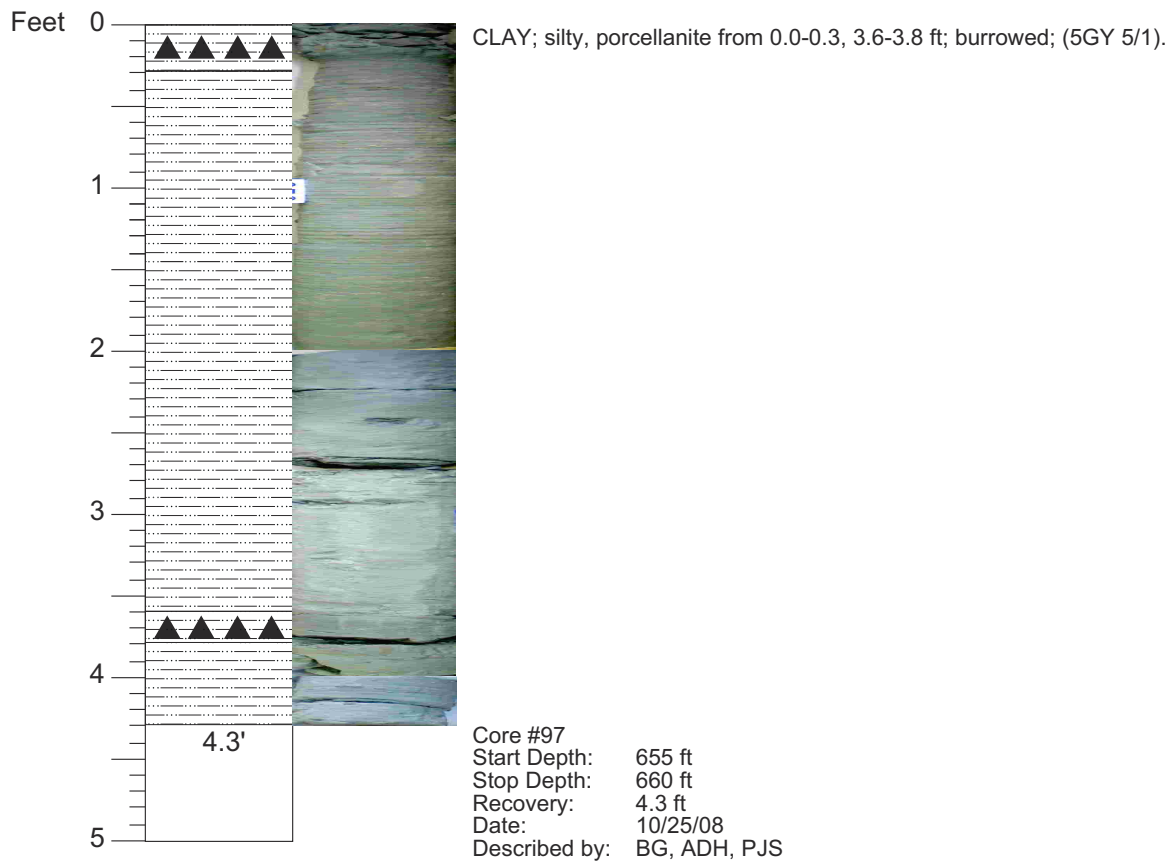
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

96



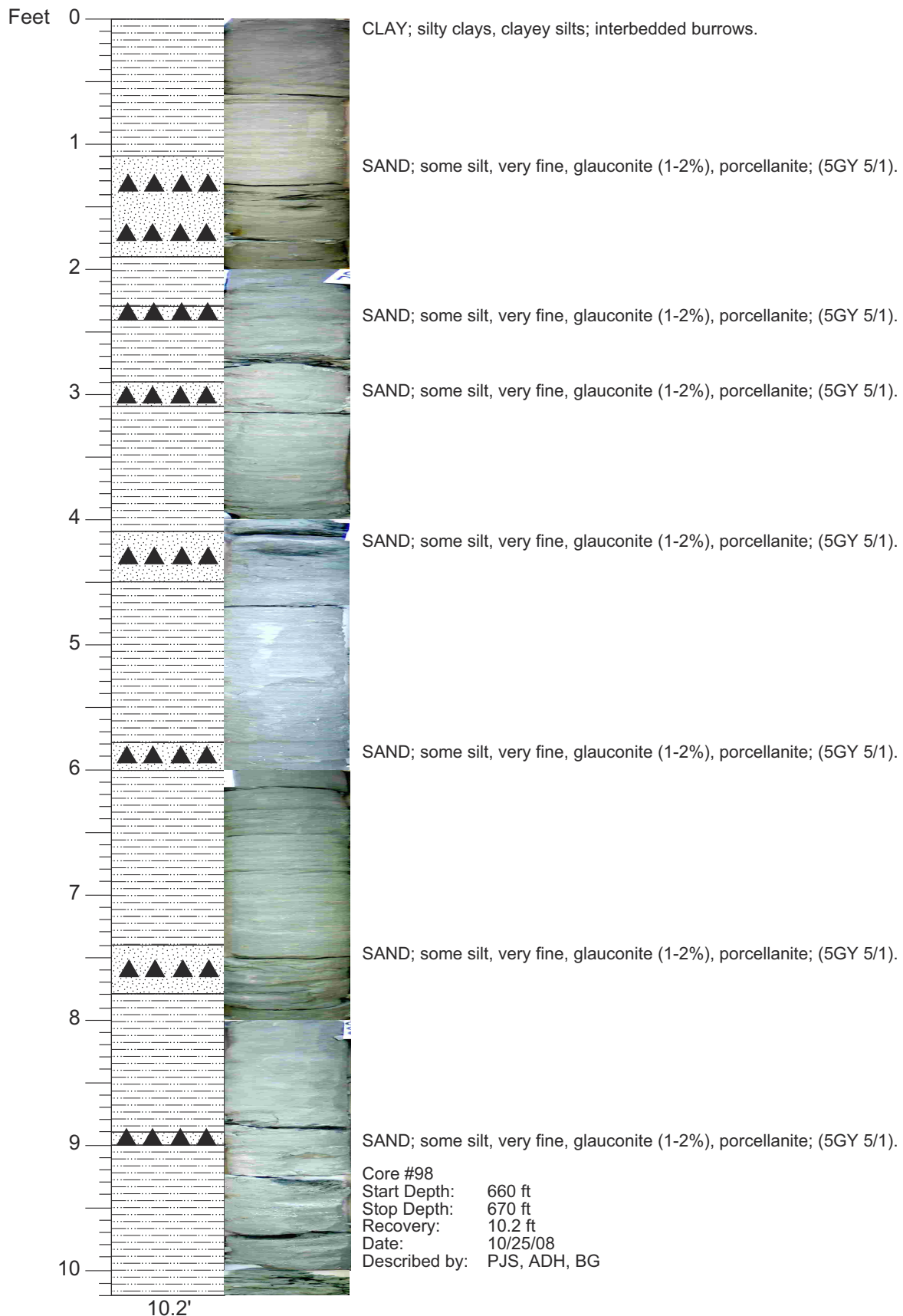
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

97



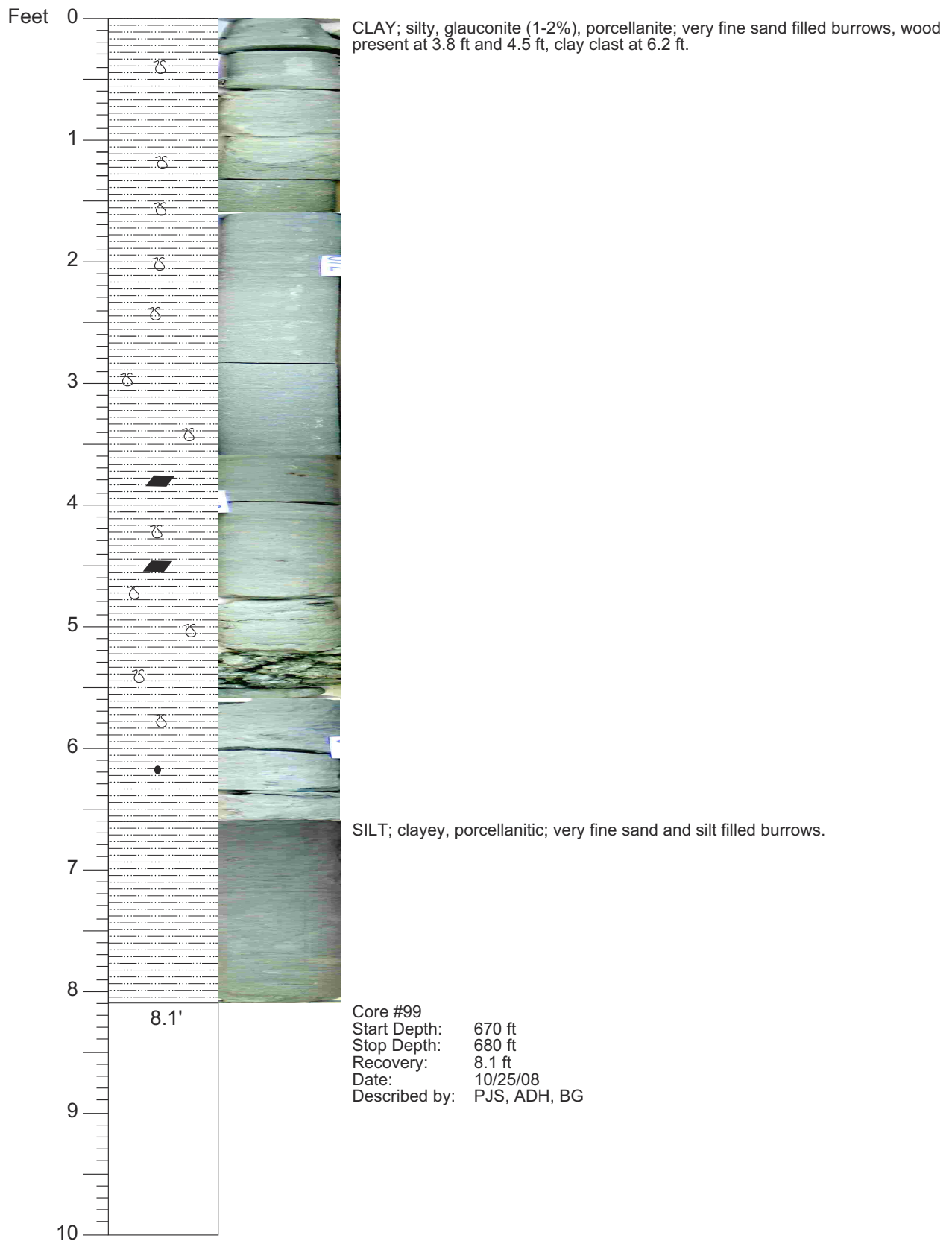
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

98



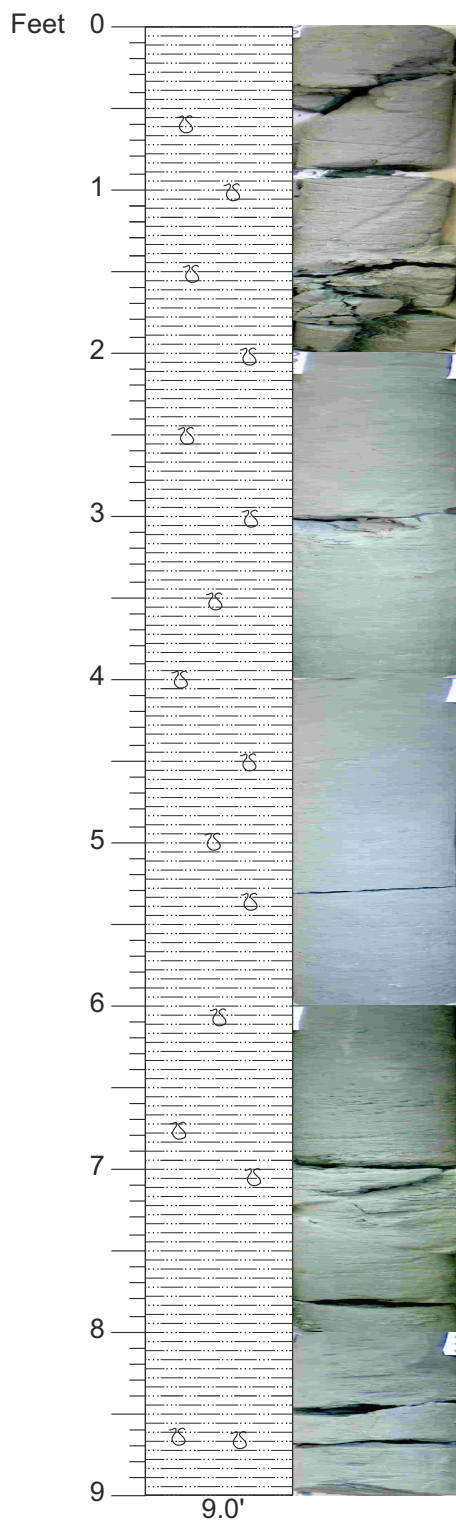
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

99



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

100

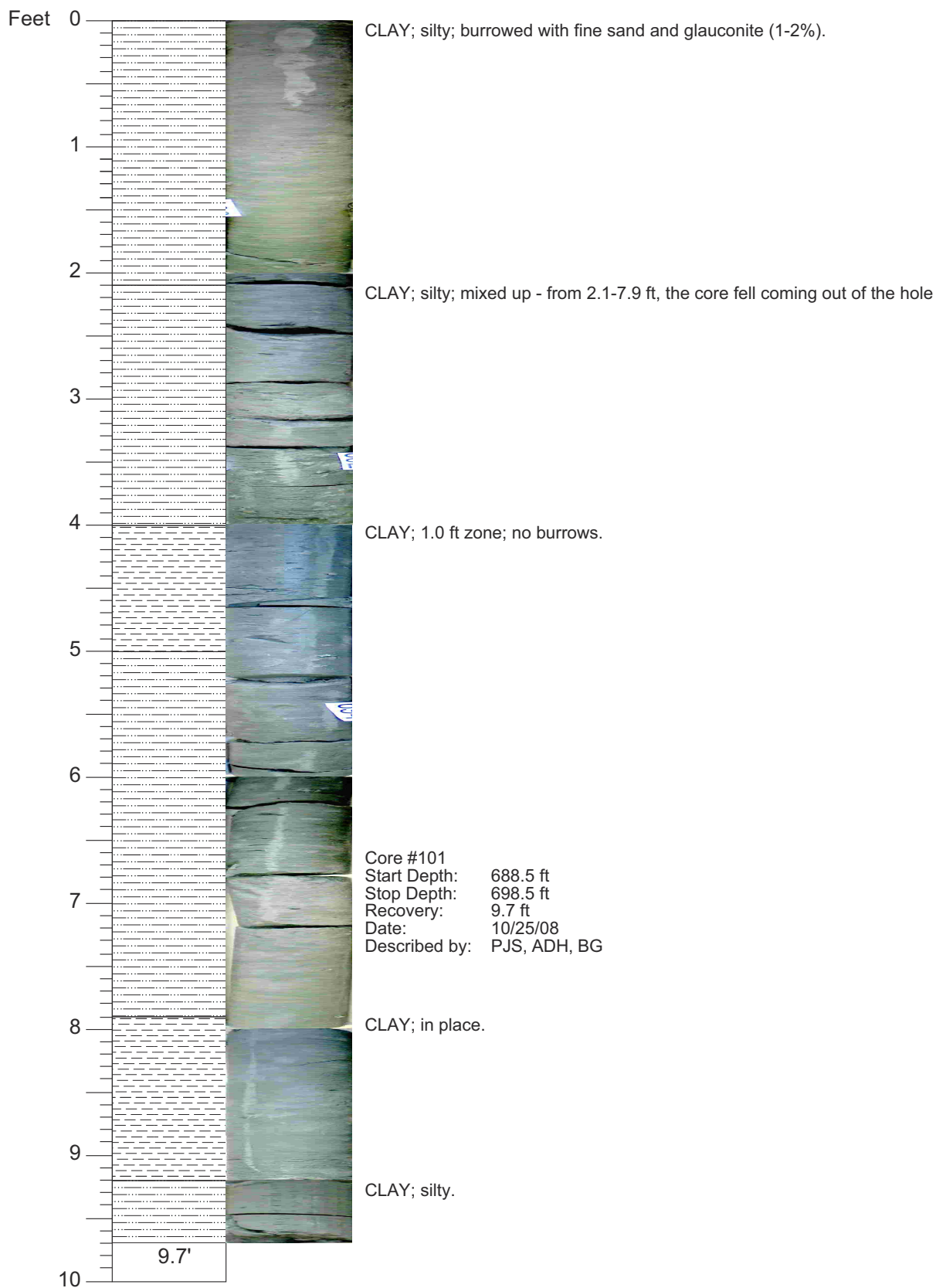


SILT; clayey, glauconite (2-3%); heavily burrowed, very fine sand and shell filled burrows; greenish gray (5GY 5/1).

Core #100
Start Depth: 680 ft
Stop Depth: 688.5 ft
Recovery: 9 ft
Date: 10/25/08
Described by: BG, ADH, PJS

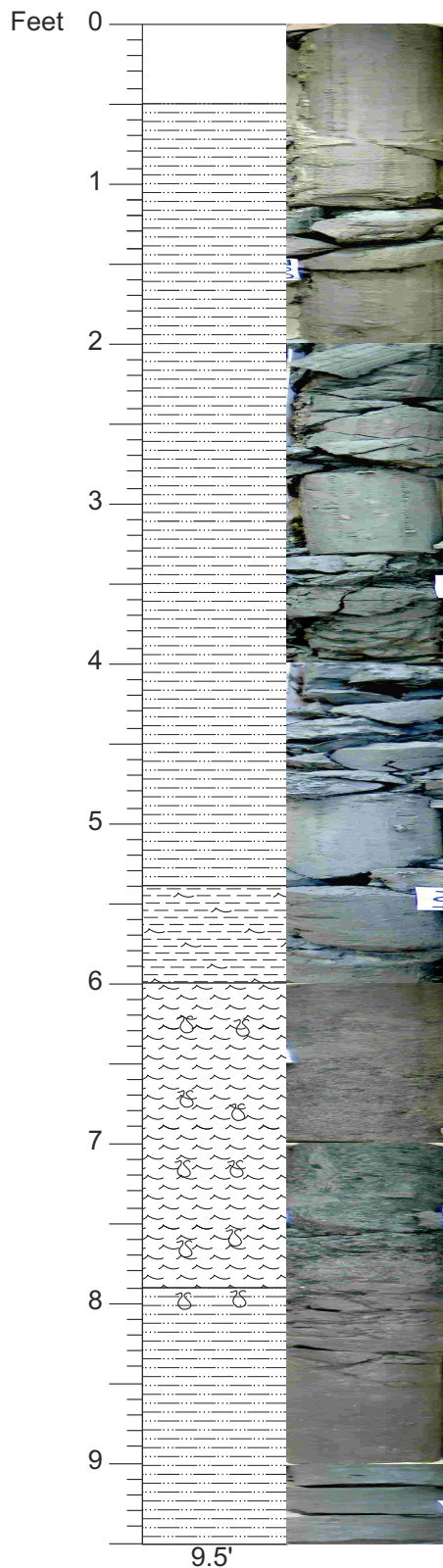
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

101



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

102



NOTE: Driller says .5 ft left from last run.

CLAY; silty, porcellantic zones; some burrows.

CLAY; glauconite increases downsection; very dark greenish gray (5GY 3/1).

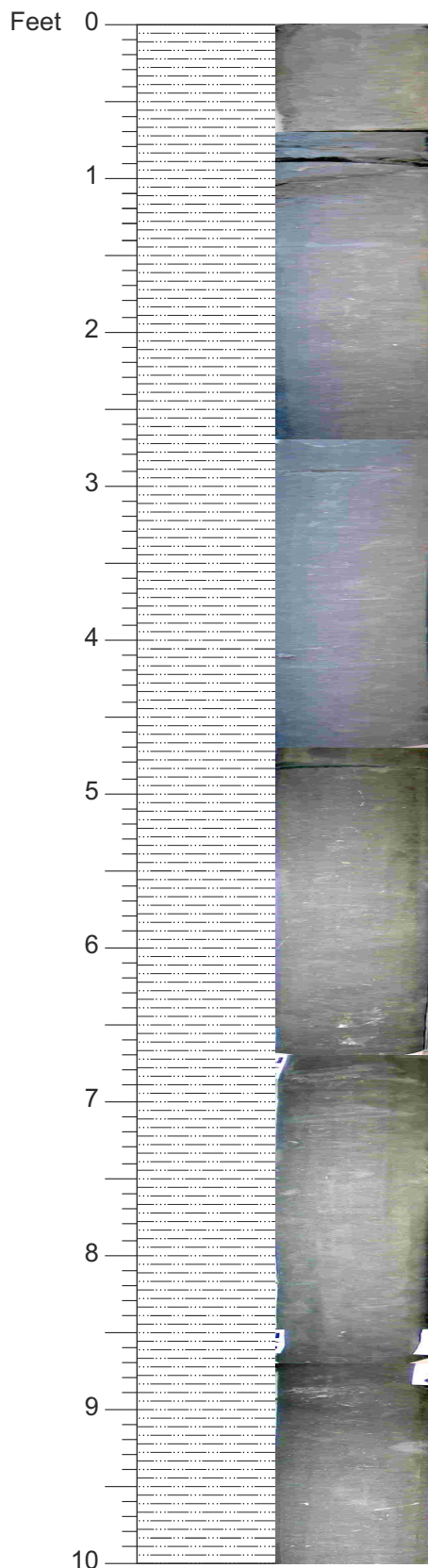
SAND; glauconitic; clay-lined burrows.

Contact.
 SILT; clayey, glauconitic, some mica; glauconite sand-filled burrows; dark green gray (10GY 4/1).

Core #102
 Start Depth: 698.5 ft
 Stop Depth: 708 ft
 Recovery: 9.5 ft
 Date: 10/25/08
 Described by: PJS, ADH, BG

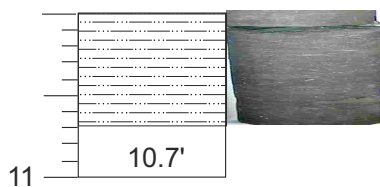
CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

103



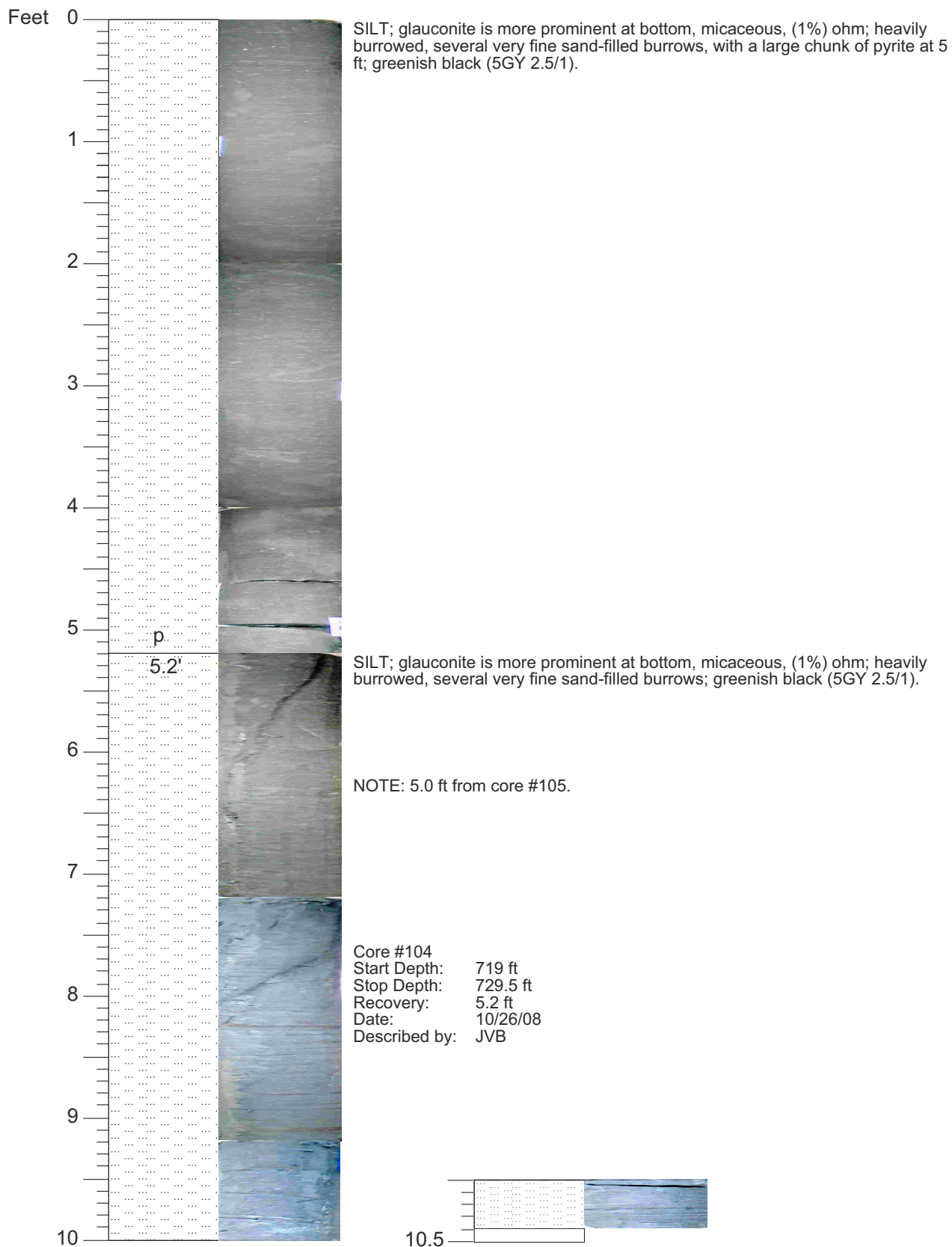
CLAY; silty to clayey SILT, slightly micaceous, ohm (1%); heavily burrowed, between 6.0-7.0 ft scattered 1 cm diameter, clay-lined horizontal burrows (the top has more obvious burrows); greenish black (10Y 2.5/1).

Core #103
Start Depth: 708 ft
Stop Depth: 719 ft
Recovery: 10.7 ft
Date: 10/26/08
Described by: JVB, SFM



CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

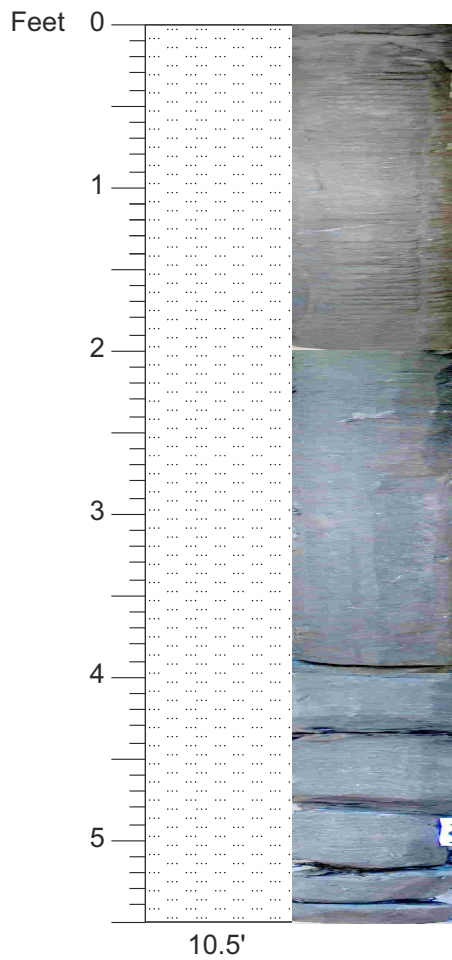
104



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

105



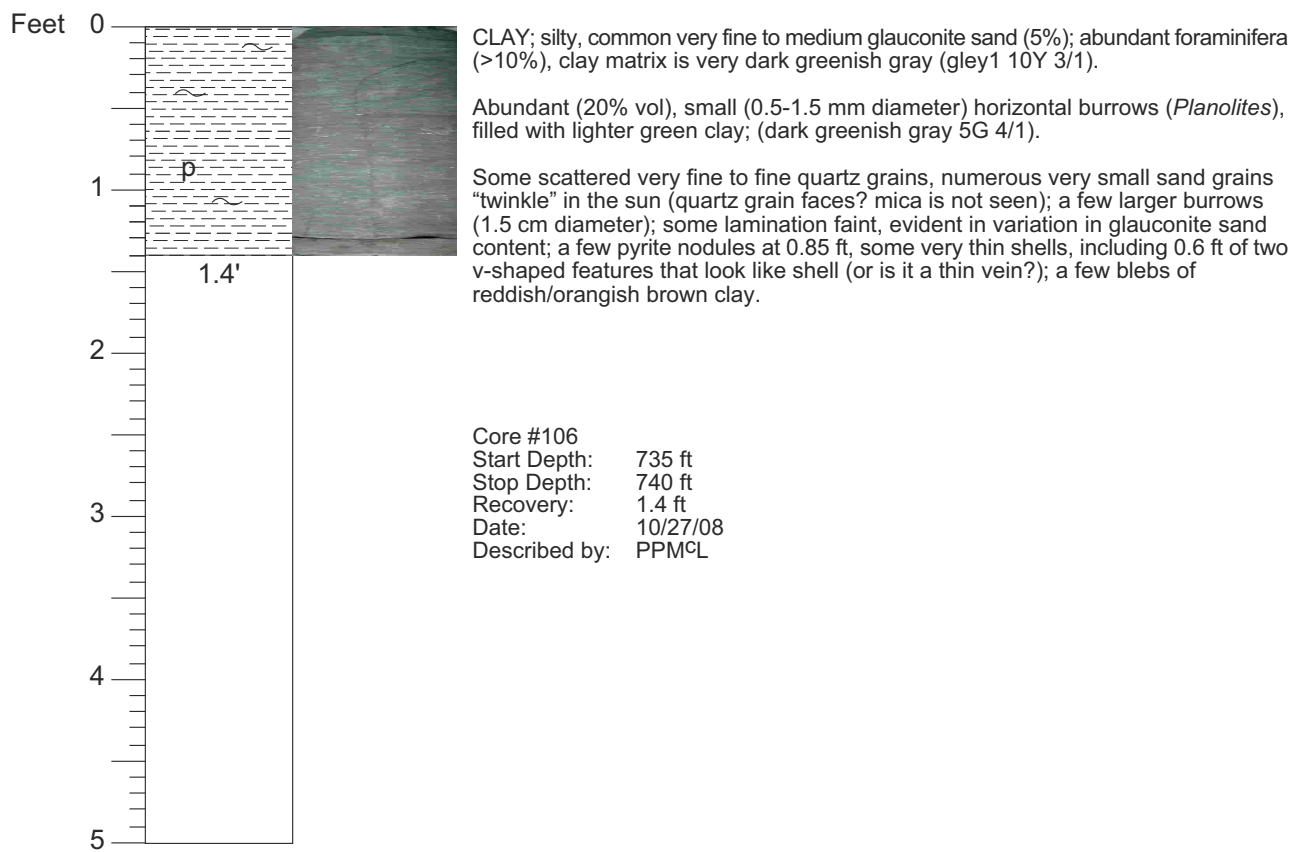
SILT; clayey, micaceous; small amount of very fine sand, small light green clay clasts at the bottom; very dark greenish gray (10GY 3/1).

Core #105
Start Depth: 729.5 ft
Stop Depth: 735 ft
Recovery: 10.5 ft
Date: 10/27/08
Described by: JVB

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

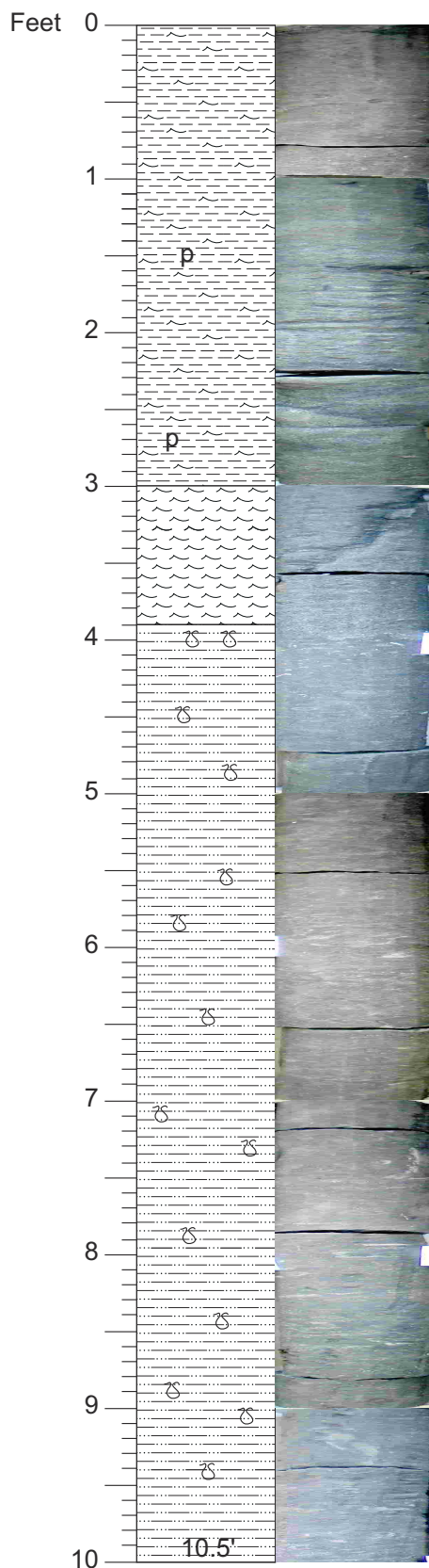
106



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

107

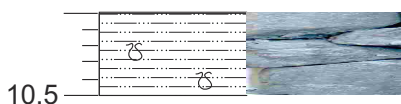


SILT; clayey, to silty clay, sandy, changing downward from slightly sandy near the top (>25%), to very sandy (50%), with coarser sand near the bottom, sand includes significant glauconite (black & some green), with glauconite (>50% of sand), plus abundant very fine quartz sand, some fine to medium quartz; abundant forams, as above, matrix of darker greenish mud with abundant forams and abundant very small (1 mm) greener burrows, some larger burrows (cm scale) with more concentrated glauconite, though abundant burrows, some faint lamination is preserved; pyrite concretions at 1.5 & 2.7 ft, a disrupted zone at 2.3-2.6 ft; very dark greenish gray (10Y 3/1), gley1; dark greenish gray (5G 4/1).

NOTE: 740 ft begins at 2 ft; core above 2 ft is from bottom of core #106

SILT; slightly clayey, very fine sand, slightly glauconitic; darker gray-green silt has very abundant bioturbation; bioturbation and burrows are highlighted by slightly cleaner, very fine sand-filled structures, some of the burrow-fill is very wispy; most burrows are 1-2 mm, subhorizontal, criss-crossing, but common subvertical burrows; some burrows are (1-2 mm) and some are larger; concretion at 8.5 ft looks like burrow fill - quartz sand & glauconite, (fizzes weakly, dolomite?); below 8 ft, abundant subhorizontal wisps of very fine sand (some laminations? burrow fills?), more mica, (muscovite) downward, glauconite (3-5%), maybe 10% in some burrows; wispy, very fine sand-filled subvertical burrows at 8.7 ft; overall, very dark greenish gray (gley1 10Y 3/1), with whitish/lighter gray wisps.

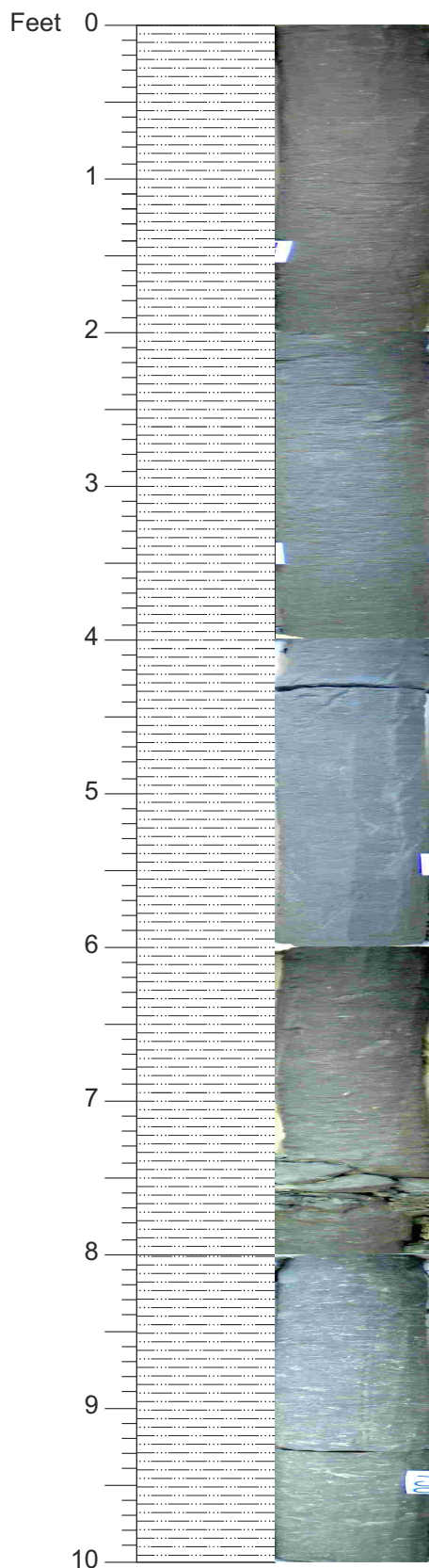
Core #107
Start Depth: 740 ft
Stop Depth: 748.5 ft
Recovery: 10.5 ft
Date: 10/27/08
Described by: PPMCL



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

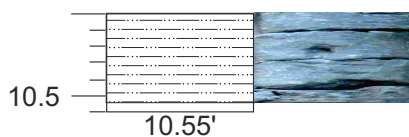
108



SILT; clayey, very fine sand (20%), sand consistency of (50%) glauconite, lesser quartz, muscovite (10% each); laminations present from the top of section to 7 ft (<1mm); from 7 ft to the bottom, core is more homogeneous, with laminations largely absent and abundant burrowing present; burrows mostly parallel to bedding, with fewer oblique; burrows are (1-2 mm diameter), mostly straight, fewer branching or sinuous; very dark greenish gray (gley1 10Y 3/1).

Core #108
Start Depth: 748.5 ft
Stop Depth: 759 ft
Recovery: 10.55 ft
Date: 1027/08
Described by: PJM

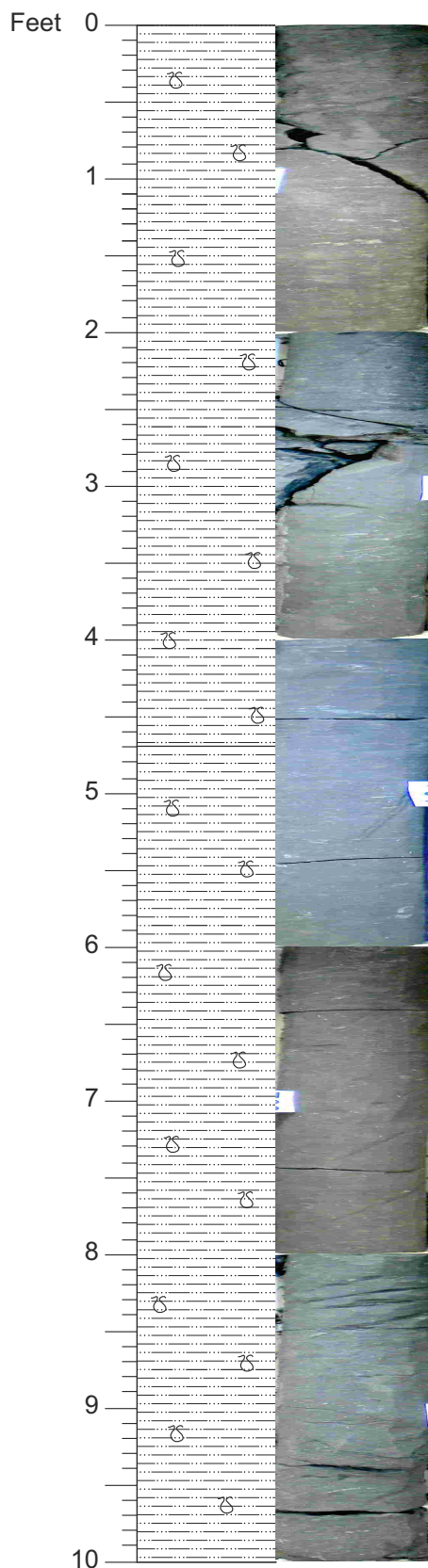
SILT; clayey, very sandy and very fine, quartz grains are more visible, possibly more abundant (50% total, very fine sand volume), 40-50% sand, more homogeneous; laminations largely absent, abundant burrowing present, burrows are mostly parallel to bedding with fewer oblique, burrows (1-2mm diameter), mostly straight, fewer branching or sinuous.



CORE DESCRIPTIONS

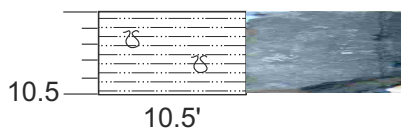
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

109



SILT; clayey; very fine sand (50% total volume), composed of (10%) glauconite at the top, decreasing to (5%) at the bottom, quartz and mica (muscovite) retain proportions throughout (~10:1); bioturbation is extensive throughout, mostly horizontal with fewer vertical and oblique, size varies from (<1 mm to 20 mm diameter), larger burrows infilled and reburrowed throughout by smaller ones, burrows vary in infilling - some mud and some are sand-lined; shelly material throughout the section, both forams and larger (<1.5 cm) arcuate forms (<1mm thick), a few dark brown, glassy brown fragments are present below 5.6 ft (possibly fish remains), due to extensive bioturbation, section is lacking any laminations; a red/brown clay spot (3 mm diameter) present at 0.25 ft; very dark greenish gray (gley1 10Y 3/1).

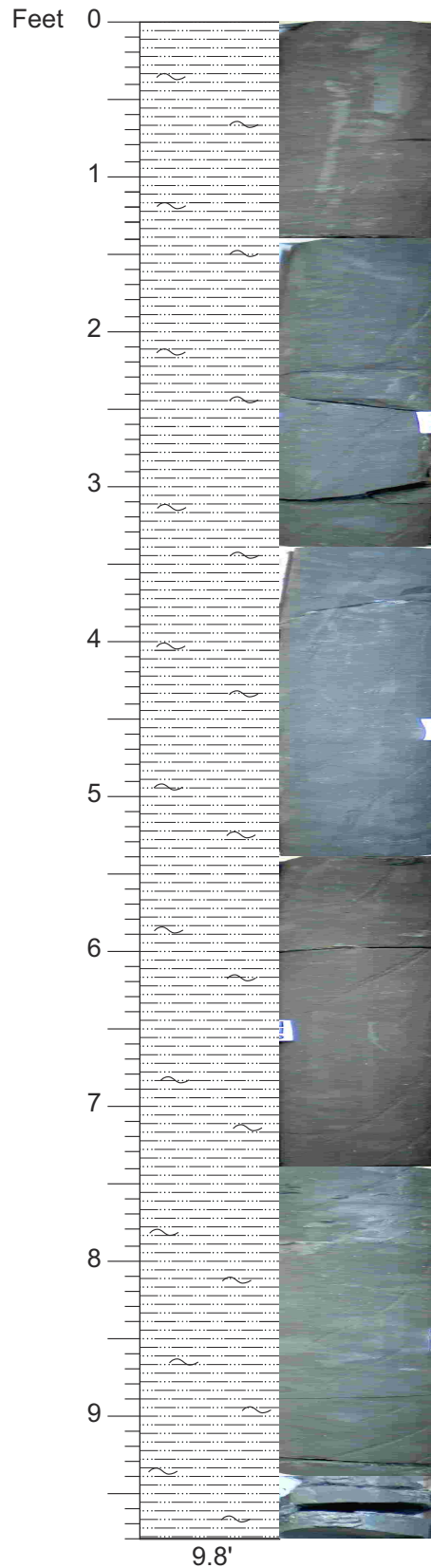
Core #109
Start Depth: 759 ft
Stop Depth: 769.5 ft
Recovery: 10.5 ft
Date: 10/27/08
Described by: PJM



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

110



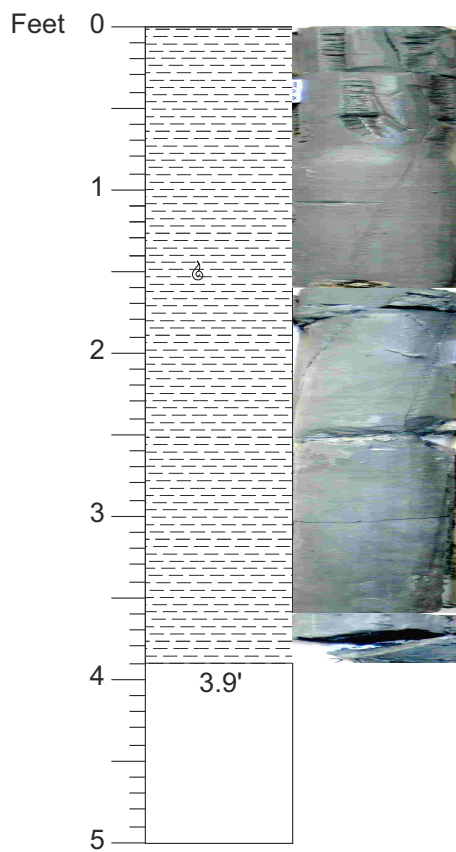
SILT; clayey to silty clay; monotonous gray muds that may vary in bioturbation and with greener burrow-fills; fine grained glauconitic (5%), slightly micaceous; heavily burrowed (especially the bottom), burrows at the top half are more wormy; very dark gray (N 3/1); very dark greenish gray (gley1 10 3/1).

Core #110
Start Depth: 769.5 ft
Stop Depth: 780 ft
Recovery: 9.8 ft
Date: 10/28/08
Described by: JVB, JU, KGM

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

111



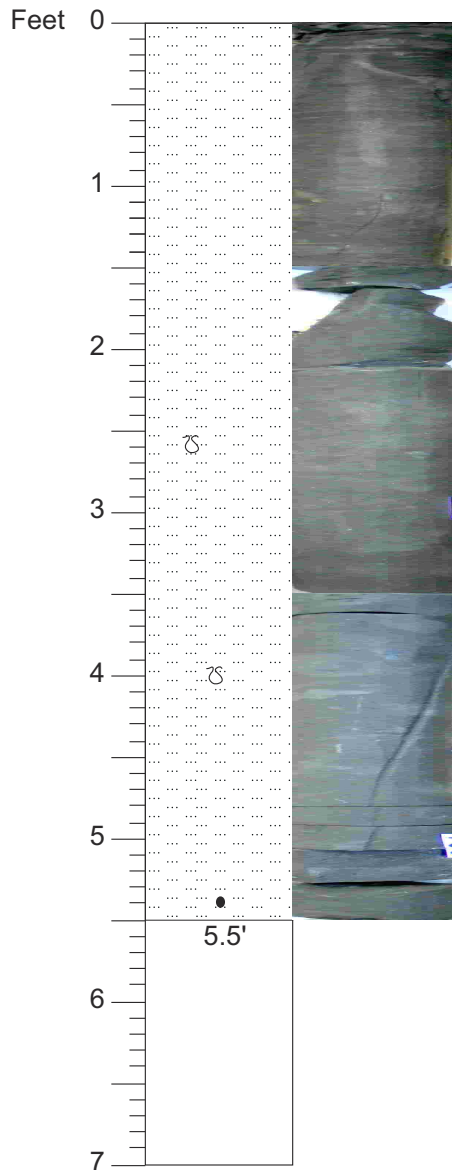
CLAY; silty, slightly glauconitic (5%), slightly micaceous; heavily bioturbated, large burrows, especially below 2 ft, wormy burrows present; sideritized shell at 1.5 ft; very dark gray (N 3/1); very dark greenish gray (10 3/1).

Core #111
Start Depth: 780 ft
Stop Depth: 785 ft
Recovery: 3.9 ft
Date: 10/28/08
Described by: KGM, JVB, JU

CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

112

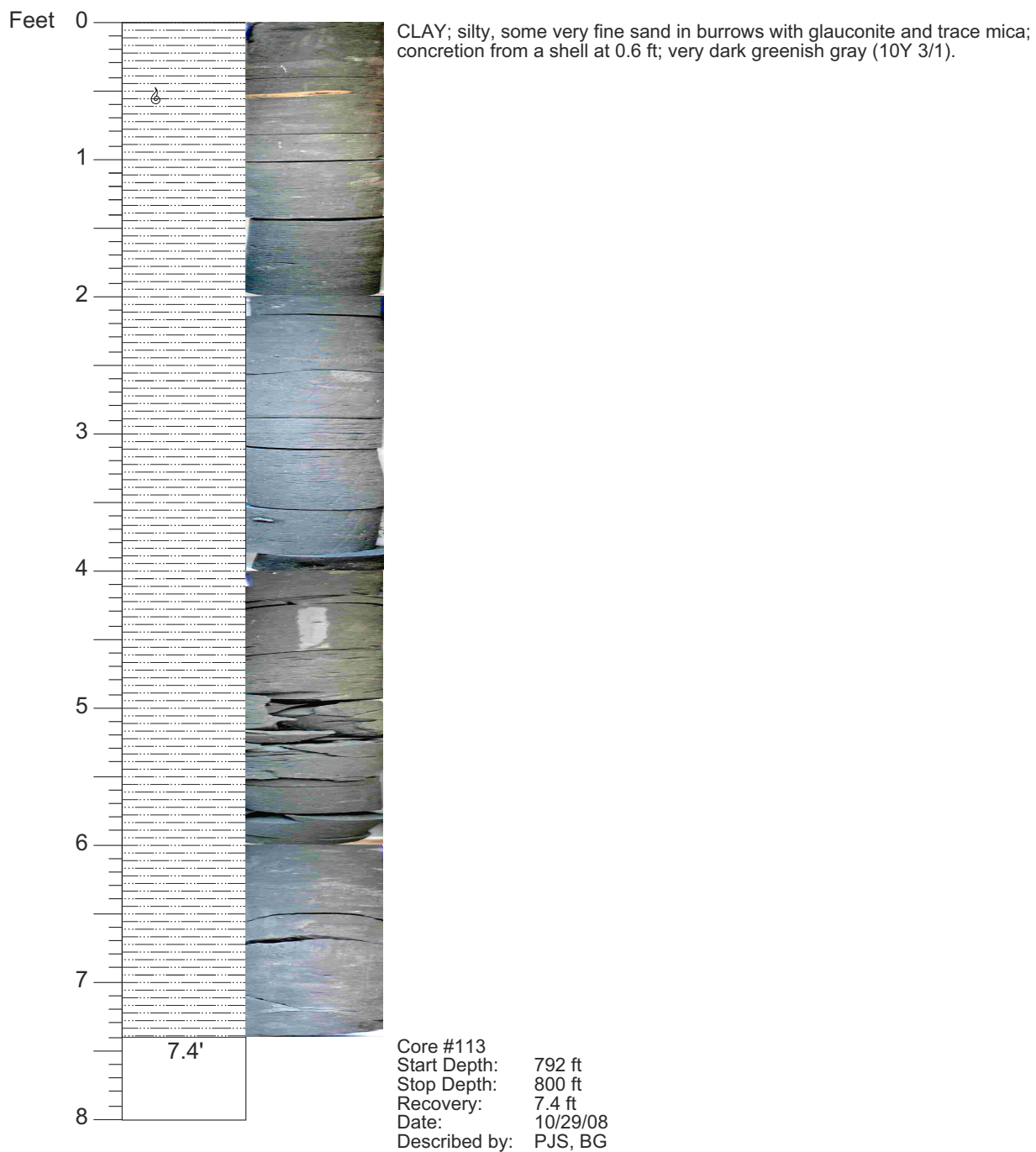


SILT; clayey, very fine sandy, glauconitic, very micaceous; heavily bioturbated, concretion in shoe at 5.4 ft, some wormy burrows but mostly large, wormy burrows are glauconitic and sand filled (some large and some small); greenish black (10Y 2.5/1).

Core #112
Start Depth: 785 ft
Stop Depth: 792 ft
Recovery: 5.5 ft
Date: 10/28/08
Described by: KGM, JVB, JU

CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

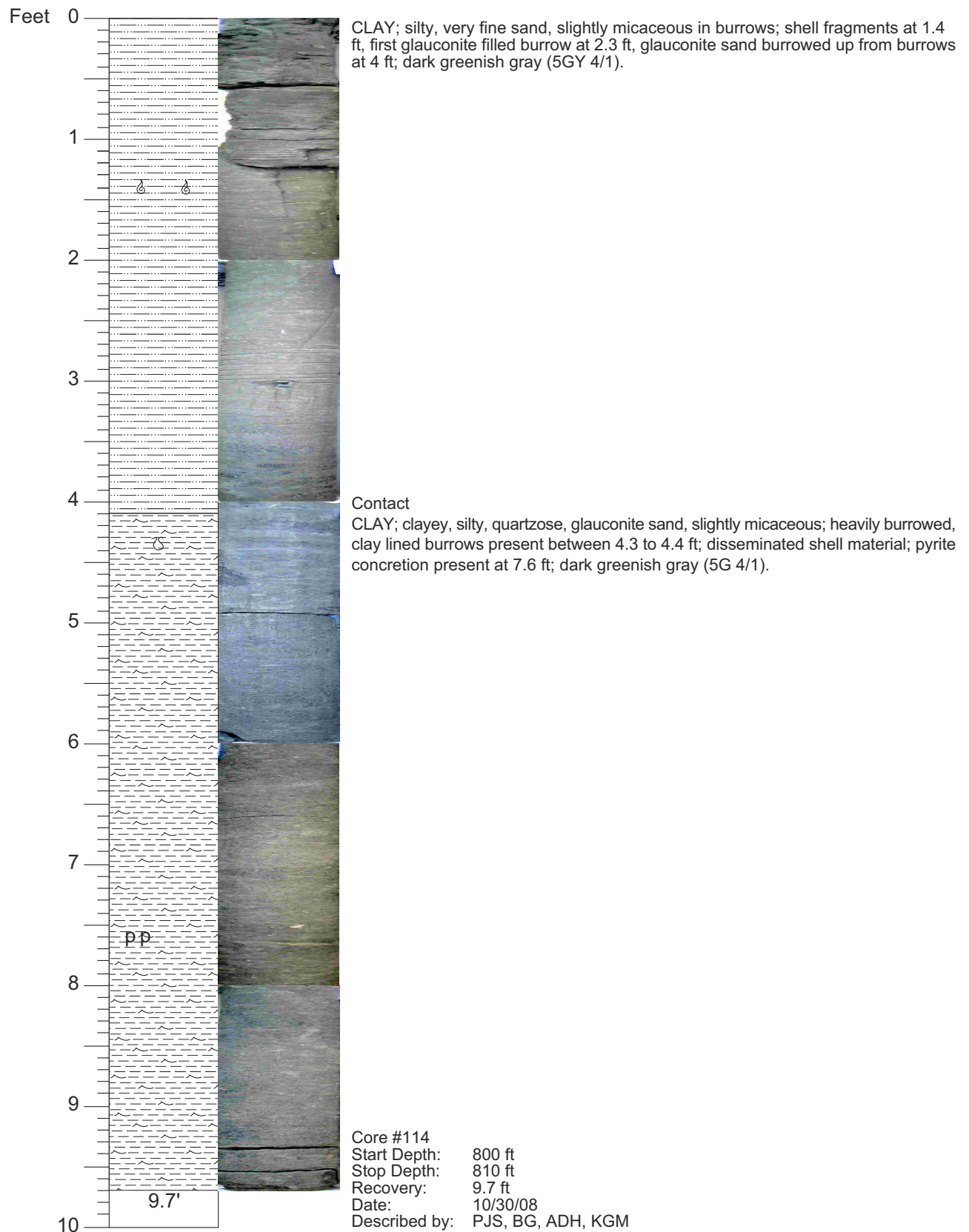
113



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

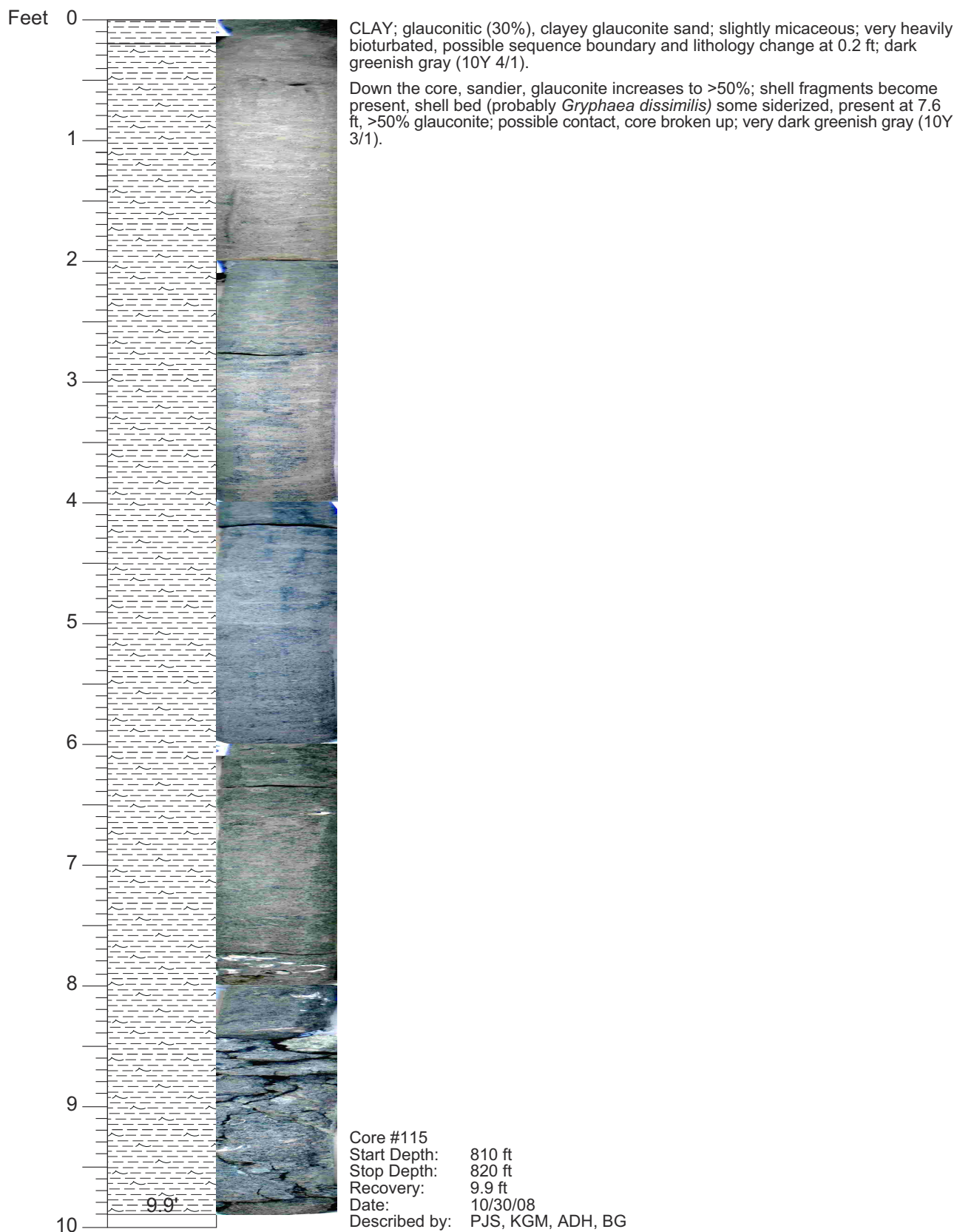
114



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

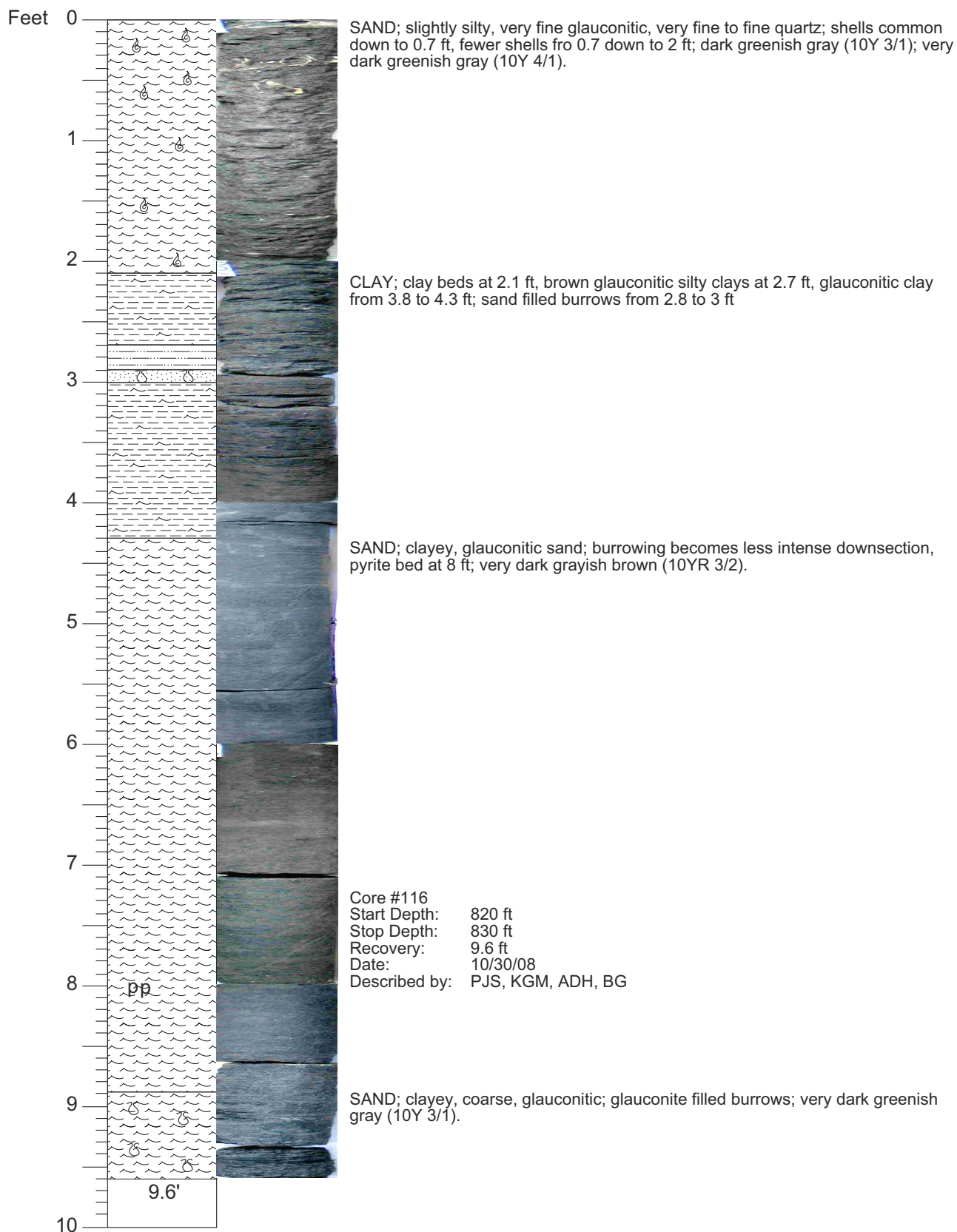
115



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

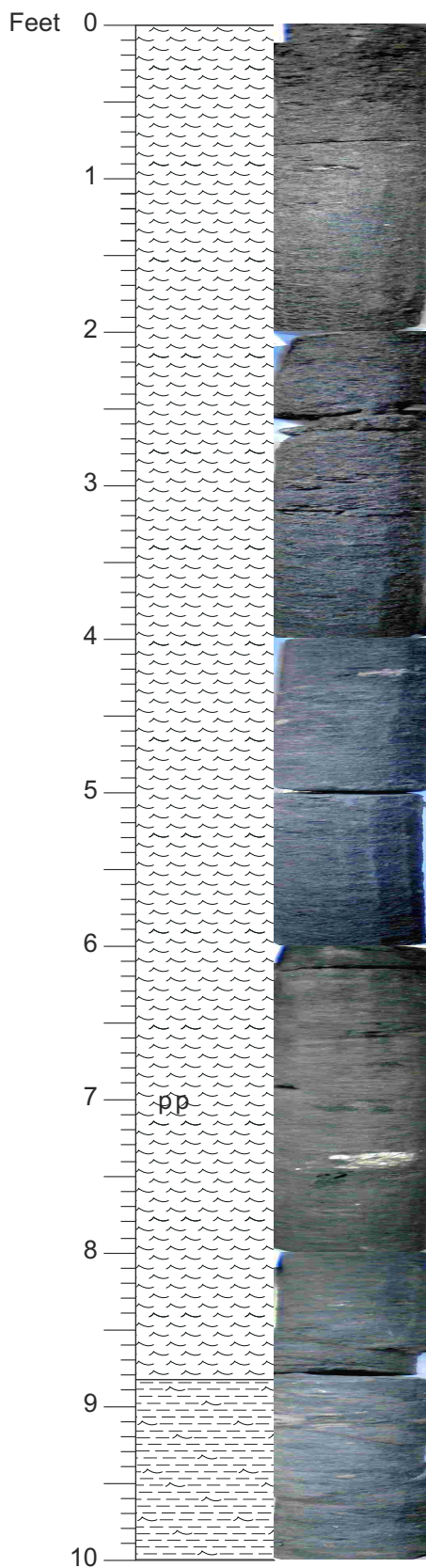
116



CORE DESCRIPTIONS

VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

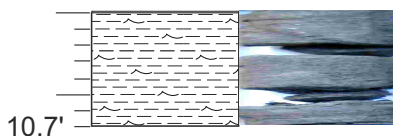
117



SAND; slightly clayey, grades down to clayey glauconite sand, glauconitic (medium), very slightly micaceous; from 2 ft downward, small shell fragments are disseminated, clay clasts are present, brown clay that has been burrowed up from below can be seen; pyrite concretions can be found at 7 ft; very dark greenish gray (5GY 3/1).

Core #117
Start Depth: 830 ft
Stop Depth: 840 ft
Recovery: 10.7 ft
Date: 10/30/08
Described by: PJS, KGM, ADH, BG

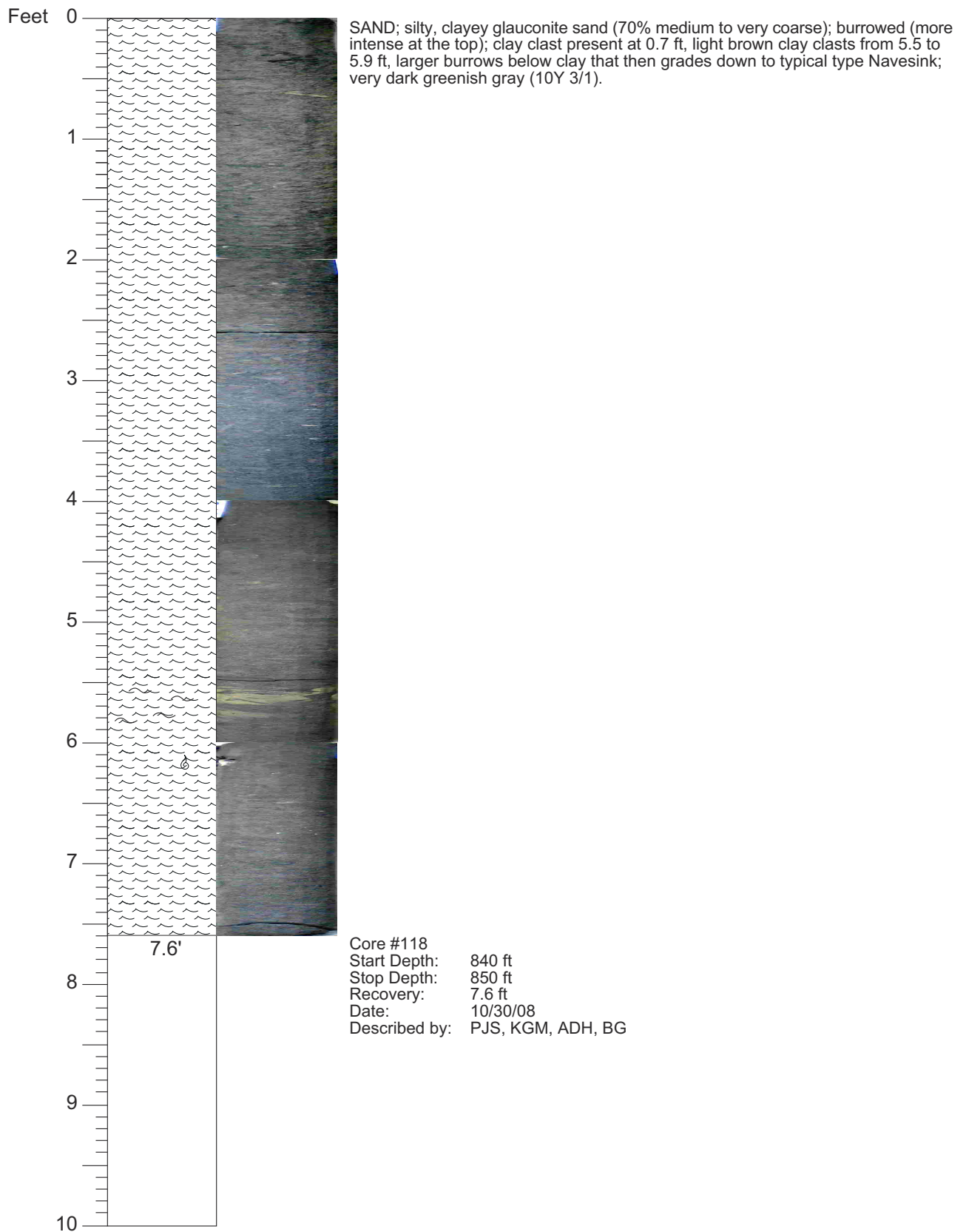
CLAY; glauconitic; glauconite sand-filled burrows, heavily burrowed, echinoid spine, 23 mm clast with a burrow through it; very dark gray (2.5Y 3/1).



CORE DESCRIPTIONS

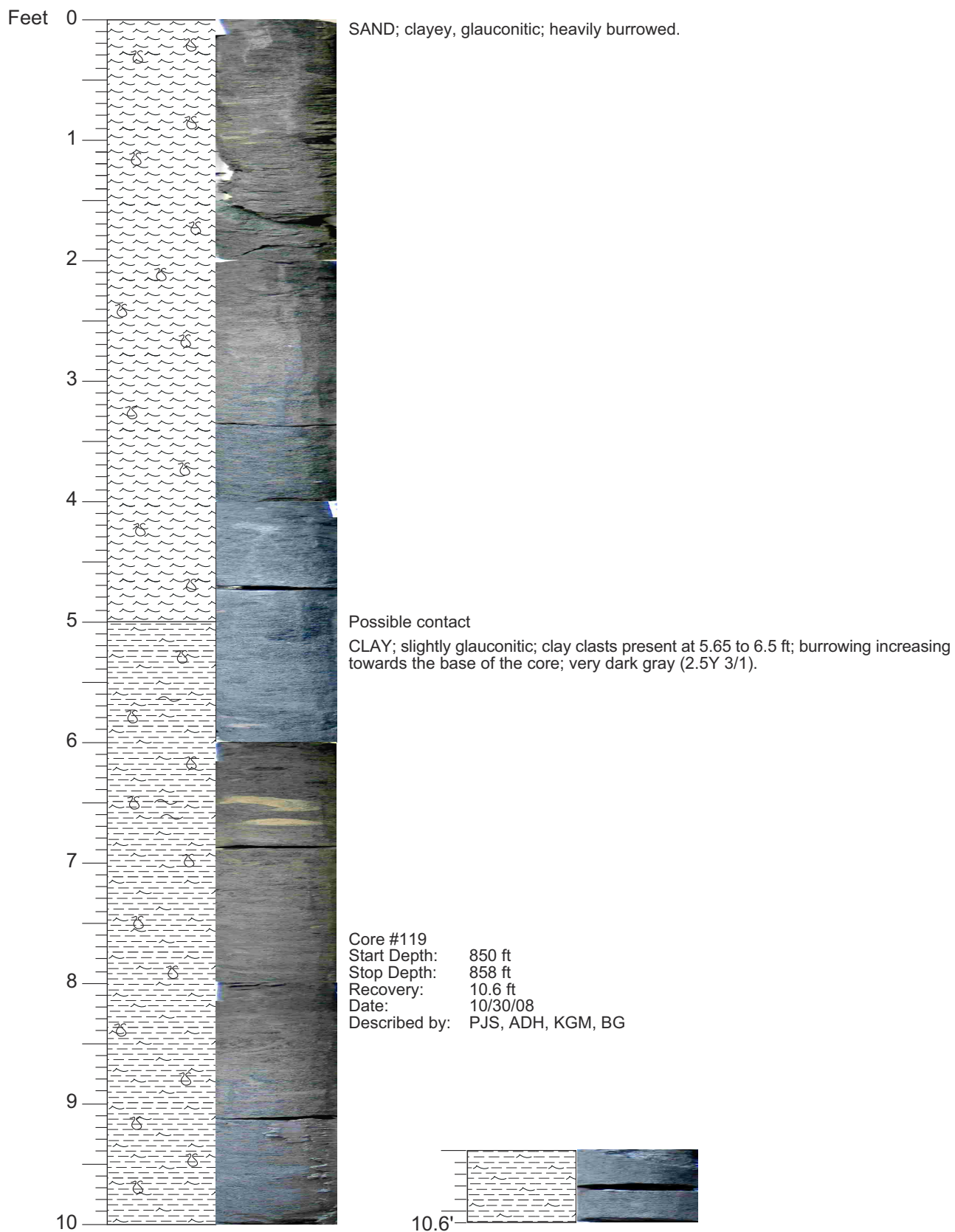
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE

118













CORE DESCRIPTIONS
VISUAL CORE DESCRIPTIONS, DOUBLE TROUBLE SITE











119




Cumulative percent

	Clay/silt
	Glaucinite sand
	Fine quartz sand
	Medium quartz sand
	Coarse quartz sand
	Very coarse quartz sand
	Granules/pebbles
	Foraminifers/shells
	Mica
	Other

Lithology columns

	Gravelly sand		Glaucinitic
	Sand		Laminations
	Muddy sand/ Sandy mud		Pebbles
	Mud		Porcellanite
	Glaucinite sand		Shells

HST	Highstand systems tract
MFS	Maximum flooding surface
TST	Transgressive systems tract
USF	Proximal upper shoreface
LSF	Lower shoreface
B	Barren
D	Dinoflagellate sample
	Sequence boundary