Engineering Appendix
Enclosure 1
Core Boring Logs

Hole No.CB-PLI-1

| DRILLING LOG | DIVISION South Atlantic | INSTALLATION Jacksonville District | SHEET 1 OF 2 |
|---|---|---|---|

| | |
|---|---|
| 1. PROJECT Ponce De Leon Inlet | 10. SIZE AND TYPE OF BIT See Remarks |
| 2. LOCATION (Coordinates or Station) X=525,114 Y=1724,501 | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NGVD (FEET) |
| 3. DRILLING AGENCY Corps of Engineers | 12. MANUFACTURER'S DESIGNATION OF DRILL CME 45 |
| 4. HOLE NO. (As shown on drawing title and file number) CB-PLI-1 | 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 17 undisturbed: 0 |
| 5. NAME OF DRILLER L. Wooters | 14. TOTAL NUMBER OF CORE BOXES 1 |
| 6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED | 15. ELEVATION GROUND WATER |
| | 16. DATE HOLE STARTED 12/12/95 COMPLETED 12/13/95 |
| 7. THICKNESS OF BURDEN 0 Ft. | 17. ELEVATION TOP OF HOLE 9.4 Ft. |
| 8. DEPTH DRILLED INTO ROCK 0 Ft. | 18. TOTAL CORE RECOVERY FOR BORING 59 % |
| 9. TOTAL DEPTH OF HOLE 25.5 Ft. | 19. SIGNATURE OF GEOLOGIST K. PITCHFORD |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/ 5' |
|---|---|---|---|---|---|---|---|
| 9.4 | .0 | | | | | 9.4 | |
| | | | SAND, fine grained quartz, trace fine grained shell, light gray, (SP) | 60 | 1 | SPLIT SPOON 7.9 | 1, 3, 4 |
| | | | | 80 | 2, 2d | SPLIT SPOON 6.4 | 3, 4, 10 |
| | | | | 60 | 3 | SPLIT SPOON 4.9 | 12, 18, 23 |
| | | | | 53 | 4 | SPLIT SPOON 3.4 | 14, 24, 25 |
| | | | | 53 | 5 | SPLIT SPOON 1.9 | 18, 25, 28 |
| | | | gray | 47 | 6 | SPLIT SPOON .4 | 16, 23, 26 |
| .4 | 9.0 | | silty SAND, fine grained quartz, trace fine grained shell, gray, (SP-SM) | 47 | 7, 7d | SPLIT SPOON -1.1 | 24, 13, 17 |
| | | | dark gray from -1.1 to -1.3 | 60 | 8 | SPLIT SPOON -2.6 | 10, 20, 28 |
| | | | dark gray from -2.6 to -2.85 little fine to medium grained shell, light gray | 80 | 9 | SPLIT SPOON -4.1 | 9, 14, 37 |
| | | | trace fine grained shell | 47 | 10 | SPLIT SPOON -5.6 | 16, 23, 31 |
| | | | | 53 | 11, 11d | SPLIT SPOON -7.1 | 14, 15, 22 |
| | | | | 67 | 12 | SPLIT SPOON -8.6 | 15, 34, 48 |
| | | | | 67 | 13 | SPLIT SPOON -10.1 | 20, 31, 47 |
| | | | | 60 | 14, 14d | SPLIT SPOON -11.6 | 20, 29, 47 |
| | | | | 60 | 15 | SPLIT SPOON -13.1 | 36, 32, 62 |
| -13.1 | 22.5 | | | | | (continued) | |

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

Hole No.CB-PLI-1

# DRILLING LOG (Cont. Sheet)

ELEVATION TOP OF HOLE 9.4 Ft.

SHEET 2 OF 2

PROJECT: Ponce De Leon Inlet

INSTALLATION: Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/ .5' |
|---|---|---|---|---|---|---|---|
| -13.1 | 22.5 | | | | | -13.1 | |
| | | | silty SAND, fine grained quartz, trace fine grained shell, light gray, (SM) | 60 | 16 | SPLIT SPOON | 51 / 44 / 75 |
| | | | | | | -14.6 | |
| | | | | 47 | 17, 17d | SPLIT SPOON | 10 / 20 / 43 |
| -16.1 | 25.5 | | | | | -16.1 | |

NOTES:
1. Soils are field visually classified in accordance with the Unified Soils Classification System.

140# Hammer with 30" drop used 2.0" split spoon (1 3/8" I.D. X 2" O. D.)

22.5 25 27.5 30 32.5 35 37.5 40 42.5 45 47.5 50

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. MAR 71

PROJECT: Ponce De Leon Inlet

HOLE NUMBER: CB-PLI-1

Hole No.CB-PLI-2

# DRILLING LOG

| | |
|---|---|
| DIVISION South Atlantic | INSTALLATION Jacksonville District — SHEET 1 OF 2 |
| 1. PROJECT Ponce De Leon Inlet | 10. SIZE AND TYPE OF BIT See Remarks |
| 2. LOCATION (Coordinates or Station) X=524,542 Y=1724,259 | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NGVD (FEET) |
| 3. DRILLING AGENCY Corps of Engineers | 12. MANUFACTURER'S DESIGNATION OF DRILL CME 45 |
| 4. HOLE NO. (As shown on drawing title and file number) CB-PLI-2 | 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 16 undisturbed: 0 |
| 5. NAME OF DRILLER L. Wooters | 14. TOTAL NUMBER OF CORE BOXES 1 |
| 6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED | 15. ELEVATION GROUND WATER |
| | 16. DATE HOLE STARTED 12/14/95 COMPLETED 12/14/95 |
| 7. THICKNESS OF BURDEN 0 Ft. | 17. ELEVATION TOP OF HOLE 3.6 Ft. |
| 8. DEPTH DRILLED INTO ROCK 0 Ft. | 18. TOTAL CORE RECOVERY FOR BORING 61 % |
| 9. TOTAL DEPTH OF HOLE 25.5 Ft. | 19. SIGNATURE OF GEOLOGIST K. PITCHFORD |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5 |
|---|---|---|---|---|---|---|---|
| 3.6 | .0 | | | | | 3.6 | |
| 2.1 | 1.5 | | SAND, fine grained quartz, trace fine grained shell, some plant debris, tan, (SP) | 53 | 1 | SPLIT SPOON 2.1 | 2, 2, 2 |
| .6 | 3.0 | | silty SAND, fine grained quartz, trace fine grained shell, little plant debris, tan, (SP-SM) | 80 | 2, 2d | SPLIT SPOON .6 | 2, 3, 8 |
| | | | SAND, fine grained quartz, light gray, (SP) trace fine grained shell | 80 | 3 | SPLIT SPOON -.9 | 7, 19, 21 |
| | | | | 67 | 4 | SPLIT SPOON -2.4 | 17, 23, 27 |
| | | | | 67 | 5 | SPLIT SPOON -3.9 | 5, 13, 18 |
| | | | | 40 | 6 | SPLIT SPOON -5.4 | 13, 18, 23 |
| -6.9 | 10.5 | | | 20 | 7 | SPLIT SPOON -6.9 | 11, 10, 12 |
| | | | silty SAND, fine grained quartz, trace fine grained shell, light gray, (SP-SM) | 53 | 8, 8d | SPLIT SPOON -8.4 | 10, 15, 17 |
| | | | | 0 | | SPLIT SPOON -9.9 | 16, 17, 25 |
| -11.4 | 15.0 | | | 67 | 9 | SPLIT SPOON -11.4 | 12, 19, 23 |
| | | | SAND, fine grained quartz, trace fine grained shell, light gray, (SP) | 53 | 10 | SPLIT SPOON -12.9 | 20, 22, 22 |
| | | | little fine to coarse grained shell | 60 | 11, 11d | SPLIT SPOON -14.4 | 7, 9, 9 |
| -15.2 | 18.8 | | SAND, medium grained shell, some fine grained quartz, gray, (SP) | 80 | 12 | SPLIT SPOON -15.9 | 4, 6, 4 |
| -17.4 | 21.0 | | | 67 | 13 | SPLIT SPOON -17.4 | 2, 2, 5 |
| | | | silty SAND, fine grained quartz, little fine to medium grained shell, gray, (SM) | 73 | 14, 14d | SPLIT SPOON -18.9 | 8, 8, 11 |
| | | | | | | (continued) | |

Depth scale: 0, 2.5, 5, 7.5, 10, 12.5, 15, 17.5, 20, 22.5

Hole No.CB-PLI-2

# DRILLING LOG (Cont. Sheet)

ELEVATION TOP OF HOLE: 3.6 Ft.

SHEET 2 OF 2

PROJECT: Ponce De Leon Inlet

INSTALLATION: Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/ .5' |
|---|---|---|---|---|---|---|---|
| -18.9 | 22.5 | | | | | -18.9 | |
| | | | | 100 | 15 | SPLIT SPOON | 3, 7, 11 |
| | | | | | | -20.4 | |
| | | | | 73 | 16, 16d | SPLIT SPOON | 14, 15, 22 |
| -21.9 | 25.5 | | | | | -21.9 | |

NOTES:
1. Soils are field visually classified in accordance with the Unified Soils Classification System.

140# Hammer with 30" drop used 2.0' split spoon (1 3/8" I.D. X 2" O. D.)

22.5 25 27.5 30 32.5 35 37.5 40 42.5 45 47.5 50

Hole No.CB-PLI-3

# DRILLING LOG

DIVISION: South Atlantic

INSTALLATION: Jacksonville District

SHEET 1 OF 2

1. PROJECT: Ponce De Leon Inlet
2. LOCATION (Coordinates or Station): X=524,023 Y=1724,159
3. DRILLING AGENCY: Corps of Engineers
4. HOLE NO. (As shown on drawing title and file number): CB-PLI-3
5. NAME OF DRILLER: L.C. Gregory
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED
7. THICKNESS OF BURDEN: 0 Ft.
8. DEPTH DRILLED INTO ROCK: 0 Ft.
9. TOTAL DEPTH OF HOLE: 36.0 Ft.
10. SIZE AND TYPE OF BIT: See Remarks
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): NGVD (FEET)
12. MANUFACTURER'S DESIGNATION OF DRILL: CME 45
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: disturbed: 24 undisturbed: 0
14. TOTAL NUMBER OF CORE BOXES: 1
15. ELEVATION GROUND WATER: -0.2 ft NGVD
16. DATE HOLE: STARTED 12/18/95 COMPLETED 12/19/95
17. ELEVATION TOP OF HOLE: 9.8 Ft.
18. TOTAL CORE RECOVERY FOR BORING: 64 %
19. SIGNATURE OF GEOLOGIST: K. PITCHFORD

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| 9.8 | .0 | | | | | 9.8 | |
| | | | SAND, fine grained quartz, trace fine grained shell, trace plant debris, tan, (SP) | 73 | 1 | SPLIT SPOON 8.3 | 1 1 3 |
| | | | | 67 | 2, 2d | SPLIT SPOON 6.8 | 2 2 2 |
| | | | | 73 | 3 | SPLIT SPOON 5.3 | 2 3 3 |
| 5.3 | 4.5 | | | | | | |
| | | | silty SAND, fine grained quartz, trace fine grained shell, trace plant debris, tan, (SP-SM) | 47 | 4 | SPLIT SPOON 3.8 | 4 3 5 |
| | | | | 67 | 5 | SPLIT SPOON 2.3 | 3 4 5 |
| | | | | 40 | 6 | SPLIT SPOON .8 | 5 5 8 |
| .8 | 9.0 | | | | | | |
| | | | SAND, fine grained quartz, trace fine grained shell, light gray, (SP) | 27 | 7 | SPLIT SPOON -.7 | 4 7 13 |
| | | | | 87 | 8, 8d | SPLIT SPOON -2.2 | 8 12 14 |
| | | | | 47 | 9 | SPLIT SPOON -3.7 | 13 22 23 |
| -3.7 | 13.5 | | | | | | |
| | | | silty SAND, fine grained quartz, trace fine grained shell, light gray, (SP-SM) | 80 | 10 | SPLIT SPOON -5.2 | 14 24 46 |
| -5.2 | 15.0 | | | | | | |
| | | | SAND, fine grained quartz, trace fine grained shell, light gray, (SP) | 60 | 11 | SPLIT SPOON -6.7 | 33 37 46 |
| | | | | 67 | 12 | SPLIT SPOON -8.2 | 17 36 65 |
| -8.2 | 18.0 | | | | | | |
| | | | silty SAND, fine grained quartz, trace fine grained shell, light gray, (SP-SM) | 60 | 13, 13d | SPLIT SPOON -9.7 | 21 40 60 |
| | | | | 80 | 14 | SPLIT SPOON -11.2 | 13 26 37 |
| | | | | 100 | 15 | SPLIT SPOON -12.7 | 30 49 47 |
| | | | | | | (continued) | |

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

Hole No.CB-PLI-3

# DRILLING LOG (Cont. Sheet)

ELEVATION TOP OF HOLE: 9.8 Ft.

SHEET 2 OF 2

PROJECT: Ponce De Leon Inlet

INSTALLATION: Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/ .5' |
|---|---|---|---|---|---|---|---|
| -12.7 | 22.5 | | | | | -12.7 | |
| | | | | 60 | 16 | SPLIT SPOON | 18, 32, 47 |
| | | | | | | -14.2 | |
| | | | | 53 | 17 | SPLIT SPOON | 20, 27, 34 |
| | | | | | | -15.7 | |
| | | | | 40 | 18 | SPLIT SPOON | 13, 27, 33 |
| | | | trace fine to medium grained shell | | | -17.2 | |
| | | | | 67 | 19 | SPLIT SPOON | 10, 16, 21 |
| | | | some fine to medium grained shell | | | -18.7 | |
| | | | | 67 | 20, 20a | SPLIT SPOON | 14, 17, 18 |
| | | | shell layer from -20.2 to -20.4 | | | -20.2 | |
| | | | shell layer from -20.65 to -20.75 | 80 | 21 | SPLIT SPOON | 6, 9, 13 |
| | | | | | | -21.7 | |
| | | | | 47 | 22 | SPLIT SPOON | 7, 9, 7 |
| -23.2 | 33.0 | | | | | -23.2 | |
| | | | silty SAND, fine grained quartz, some fine to medium grained shell, gray, (SM) | 100 | 23 | SPLIT SPOON | 6, 5, 9 |
| | | | | | | -24.7 | |
| | | | | 53 | 24 | SPLIT SPOON | 7, 6, 13 |
| -26.2 | 36.0 | | | | | -26.2 | |

NOTES:
1. Soils are field visually classified in accordance with the Unified Soils Classification System.

140# Hammer with 30" drop used 2.0' split spoon (1 3/8" I.D. X 2" O. D.)

22.5 25 27.5 30 32.5 35 37.5 40 42.5 45 47.5 50

Hole No.CB-PLI-4

# DRILLING LOG

DIVISION: South Atlantic

INSTALLATION: Jacksonville District

SHEET 1 OF 2

1. PROJECT: Ponce De Leon Inlet
2. LOCATION (Coordinates or Station): X=523,608 Y=1724,185
3. DRILLING AGENCY: Corps of Engineers
4. HOLE NO. (As shown on drawing title and file number): CB-PLI-4
5. NAME OF DRILLER: L.C. Gregory
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED
7. THICKNESS OF BURDEN: 0 Ft.
8. DEPTH DRILLED INTO ROCK: 0 Ft.
9. TOTAL DEPTH OF HOLE: 25.5 Ft.
10. SIZE AND TYPE OF BIT: See Remarks
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): NGVD (FEET)
12. MANUFACTURER'S DESIGNATION OF DRILL: CME 45
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: disturbed: 17 undisturbed: 0
14. TOTAL NUMBER OF CORE BOXES: 1
15. ELEVATION GROUND WATER:
16. DATE HOLE STARTED: 12/20/95 COMPLETED: 12/20/95
17. ELEVATION TOP OF HOLE: 3.1 Ft.
18. TOTAL CORE RECOVERY FOR BORING: 67 %
19. SIGNATURE OF GEOLOGIST: K. PITCHFORD

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| 3.1 | .0 | | | | | 3.1 | |
| 1.6 | 1.5 | | SAND, fine grained quartz, tan, (SP) | 87 | 1 | SPLIT SPOON 1.6 | 2 1 3 |
| -1.4 | 4.5 | | silty SAND, fine grained quartz, trace fine grained shell, gray, (SM) | 60 | 2, 2d | SPLIT SPOON .1 | 3 1 4 |
| | | | | 100 | 3 | SPLIT SPOON -1.4 | 9 15 20 |
| -7.4 | 10.5 | | SAND, fine grained quartz, light gray, (SP) trace fine grained shell | 60 | 4 | SPLIT SPOON -2.9 | 18 25 28 |
| | | | | 80 | 5 | SPLIT SPOON -4.4 | 9 13 28 |
| | | | | 87 | 6, 6d | SPLIT SPOON -5.9 | 5 12 36 |
| | | | | 60 | 7 | SPLIT SPOON -7.4 | 12 23 32 |
| -13.4 | 16.5 | | silty SAND, fine grained quartz, trace fine grained shell, light gray, (SP-SM) | 47 | 8 | SPLIT SPOON -8.9 | 12 25 31 |
| | | | | 100 | 9 | SPLIT SPOON -10.4 | 18 25 36 |
| | | | | 100 | 10, 10d | SPLIT SPOON -11.9 | 12 25 60 |
| | | | | 27 | 11 | SPLIT SPOON -13.4 | 12 17 25 |
| | | | SAND, fine grained quartz, trace fine to medium grained shell, light gray, (SP) | 67 | 12 | SPLIT SPOON -14.9 | 7 15 25 |
| | | | trace fine grained shell | 100 | 13, 13d | SPLIT SPOON -16.4 | 10 28 35 |
| | | | | 27 | 14 | SPLIT SPOON -17.9 | 7 10 22 |
| | | | | 7 | 15 | SPLIT SPOON -19.4 | 4 15 23 |
| | | | | | | (continued) | |

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

Hole No.CB-PLI-4

# DRILLING LOG (Cont. Sheet)

ELEVATION TOP OF HOLE 3.1 Ft.

SHEET 2 OF 2

PROJECT: Ponce De Leon Inlet

INSTALLATION: Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -19.4 | 22.5 | | | | | -19.4 | |
| -20.9 | 24.0 | | trace fine to medium grained shell | 67 | 16 | SPLIT SPOON -20.9 | 4 5 26 |
| -22.4 | 25.5 | | silty SAND, medium grained shell, some fine grained quartz, gray, (SM) | 60 | 17, 17d | SPLIT SPOON -22.4 | 4 4 5 |

NOTES:
1. Soils are field visually classified in accordance with the Unified Soils Classification System.

140# Hammer with 30" drop used 2.0' split spoon (1 3/8" I.D. X 2" O. D.)

22.5 25 27.5 30 32.5 35 37.5 40 42.5 45 47.5 50

Hole No.CB-PLI-5

# DRILLING LOG

DIVISION: South Atlantic

INSTALLATION: Jacksonville District

SHEET 1 OF 2

1. PROJECT: Ponce De Leon Inlet
2. LOCATION (Coordinates or Station): X=524,761 Y=1723,939
3. DRILLING AGENCY: Corps of Engineers
4. HOLE NO. (As shown on drawing title and file number): CB-PLI-5
5. NAME OF DRILLER: L. Wooters
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED
7. THICKNESS OF BURDEN: 0 Ft.
8. DEPTH DRILLED INTO ROCK: 0 Ft.
9. TOTAL DEPTH OF HOLE: 30.0 Ft.
10. SIZE AND TYPE OF BIT: See Remarks
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): NGVD (FEET)
12. MANUFACTURER'S DESIGNATION OF DRILL: CME 45
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: disturbed: 20 undisturbed: 0
14. TOTAL NUMBER OF CORE BOXES: 1
15. ELEVATION GROUND WATER: -1.2 ft NGVD
16. DATE HOLE: STARTED 12/13/95 COMPLETED 12/13/95
17. ELEVATION TOP OF HOLE: 11.2 Ft.
18. TOTAL CORE RECOVERY FOR BORING: 62 %
19. SIGNATURE OF GEOLOGIST: K. PITCHFORD

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| 11.2 | .0 | | | | | 11.2 | |
| | | | SAND, fine grained quartz, trace fine grained shell, light gray, (SP) | 60 | 1 | SPLIT SPOON 9.7 | 1, 2, 3 |
| | | | | 87 | 2, 2d | SPLIT SPOON 8.2 | 3, 5, 4 |
| | | | | 87 | 3 | SPLIT SPOON 6.7 | 4, 5, 11 |
| 6.7 | 4.5 | | | | | | |
| | | | silty SAND, fine grained quartz, trace fine grained shell, light gray, (SP-SM) | 80 | 4 | SPLIT SPOON 5.2 | 13, 21, 22 |
| | | | | 73 | 5 | SPLIT SPOON 3.7 | 17, 30, 30 |
| | | | | 53 | 6 | SPLIT SPOON 2.2 | 25, 23, 28 |
| | | | gray | 60 | 7, 7d | SPLIT SPOON .7 | 24, 17, 17 |
| | | | | 53 | 8 | SPLIT SPOON -.8 | 13, 25, 23 |
| | | | | 67 | 9 | SPLIT SPOON -2.3 | 12, 16, 18 |
| -2.3 | 13.5 | | | | | | |
| | | | silty SAND, fine grained quartz, trace fine grained shell, gray, (SM) | 53 | 10 | SPLIT SPOON -3.8 | 24, 35, 28 |
| | | | | 53 | 11, 11d | SPLIT SPOON -5.3 | 11, 24, 29 |
| -5.3 | 16.5 | | | | | | |
| | | | silty SAND, fine grained quartz, trace fine grained shell, light gray, (SP-SM) | 53 | 12 | SPLIT SPOON -6.8 | 10, 18, 29 |
| | | | gray | 53 | 13 | SPLIT SPOON -8.3 | 26, 28, 28 |
| -8.3 | 19.5 | | | | | | |
| | | | gravel sized rock fragment; dark gray fat clay layer from -9.85 to -10.15 | 0 | | SPLIT SPOON -9.8 | 10, 12, 11 |
| | | | clayey SAND, fine grained quartz, trace fine grained shell, dark gray, (SC) | 67 | 14, 15 | SPLIT SPOON -11.3 | 7, 2, 3 |
| | | | | | | (continued) | |

ENG FORM 1836 MAR 71 PREVIOUS EDITIONS ARE OBSOLETE.

PROJECT: Ponce De Leon Inlet

HOLE NUMBER: CB-PLI-5

Hole No.CB-PLI-5

# DRILLING LOG (Cont. Sheet)

ELEVATION TOP OF HOLE 11.2 Ft.

SHEET 2 OF 2

PROJECT: Ponce De Leon Inlet

INSTALLATION: Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -11.3 | 22.5 | | | | | -11.3 | |
| | | | | 93 | 16, 16d | SPLIT SPOON | 38, 24, 10 |
| | | | | | | -12.6 | |
| | | | | 80 | 17 | SPLIT SPOON | 1, 4, 18 |
| -14.3 | 25.5 | | | | | -14.3 | |
| | | | silty SAND, fine grained quartz, trace fine grained shell, gray, (SM) | 60 | 18 | SPLIT SPOON | 16, 43, 35 |
| | | | *little fine to medium grained shell* | | | -15.8 | |
| | | | | 67 | 19, 19d | SPLIT SPOON | 20, 25, 30 |
| -17.3 | 28.5 | | | | | -17.3 | |
| | | | silty SAND, fine grained quartz, little fine to medium grained shell, gray, (SP-SM) | 47 | 20 | SPLIT SPOON | 8, 15, 13 |
| -18.8 | 30.0 | | | | | -18.8 | |
| | | | NOTES: 1. Soils are field visually classified in accordance with the *Unified Soils Classification System.* | | | 140# Hammer with 30" drop used 2.0' split spoon (1 3/8" I.D. X 2" O. D.) | |

22.5, 25, 27.5, 30, 32.5, 35, 37.5, 40, 42.5, 45, 47.5, 50

ENG FORM 1836 MAR 71 PREVIOUS EDITIONS ARE OBSOLETE.

PROJECT: Ponce De Leon Inlet

HOLE NUMBER: CB-PLI-5

Hole No.CB-PLI-6

| DRILLING LOG | DIVISION South Atlantic | INSTALLATION Jacksonville District | SHEET 1 OF 2 |
|---|---|---|---|

| | |
|---|---|
| 1. PROJECT Ponce De Leon Inlet | 10. SIZE AND TYPE OF BIT See Remarks |
| 2. LOCATION (Coordinates or Station) X=524,612 Y=1724,001 | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NGVD (FEET) |
| 3. DRILLING AGENCY Corps of Engineers | 12. MANUFACTURER'S DESIGNATION OF DRILL CME 45 |
| 4. HOLE NO. (As shown on drawing title and file number) CB-PLI-6 | 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: undisturbed: 0 |
| 5. NAME OF DRILLER L.C. Gregory | 14. TOTAL NUMBER OF CORE BOXES 1 |
| 6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED | 15. ELEVATION GROUND WATER |
| | 16. DATE HOLE STARTED 01/22/96 COMPLETED 01/22/96 |
| 7. THICKNESS OF BURDEN 0 Ft. | 17. ELEVATION TOP OF HOLE |
| 8. DEPTH DRILLED INTO ROCK 0 Ft. | 18. TOTAL CORE RECOVERY FOR BORING 57.3 |
| 9. TOTAL DEPTH OF HOLE 25.5 Ft. | 19. SIGNATURE OF GEOLOGIST MARTY GOFF |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| n/a | .0 | | | | | | |
| | | | SAND, fine grained quartz, trace fine to medium shell fragments, white to light gray. | 67 | 1 | SPLIT SPOON | 1 2 2 |
| | 1.5 | | Wet, gray, trace silt (SP) | 67 | 2 | SPLIT SPOON | 3 4 6 |
| | | | | 100 | 3 | SPLIT SPOON | 7 8 10 |
| | | | Silt no longer apparent | 33 | 4 | SPLIT SPOON | 7 7 11 |
| | | | | 60 | 5 | SPLIT SPOON | 10 9 18 |
| | | | | 87 | 6 | SPLIT SPOON | 6 7 16 |
| | | | | 40 | 7 | SPLIT SPOON | 9 8 11 |
| | | | Trace black, organic stain silt. | 40 | 8 | SPLIT SPOON | 11 3 3 |
| | 13.2 | | | 100 | 9 | SPLIT SPOON | 9 10 14 |
| | 13.7 | | CLAY, soft dark green plastic, fatigue with trace green size rock fragments (CH) | 53 | 10 | SPLIT SPOON | 3 9 18 |
| | | | Fine grained quartz, slight trace of fine grained shell fragments, gray, slight trace of clay (SP) | 53 | 11 | SPLIT SPOON | 7 13 17 |
| | | | Trace clay | 87 | 12 | SPLIT SPOON | 5 12 15 |
| | | | | 53 | 13 | SPLIT SPOON | 5 4 3 |
| | | | 50% Fine grained quartz/50% Five to coarse grained shell fragments | 53 | 14 | SPLIT SPOON | 2 4 6 |
| | | | | 20 | 15 | SPLIT SPOON | 7 25 20 |

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

(continued)

Hole No.CB-PLI-6

# DRILLING LOG (Cont. Sheet)

ELEVATION TOP OF HOLE: Ft.

SHEET 2 OF 2

PROJECT: Ponce De Leon Inlet

INSTALLATION: Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| n/a | 22.5 | | | | | | |
| | | | | 27 | 16 | SPLIT SPOON | 8<br>9<br>12 |
| | | | | 33 | 17 | SPLIT SPOON | 17<br>28<br>31 |
| | 25.5 | | | | | | |

NOTES:
Soils are field visually classified in accordance with the Unified Soils Classification System.

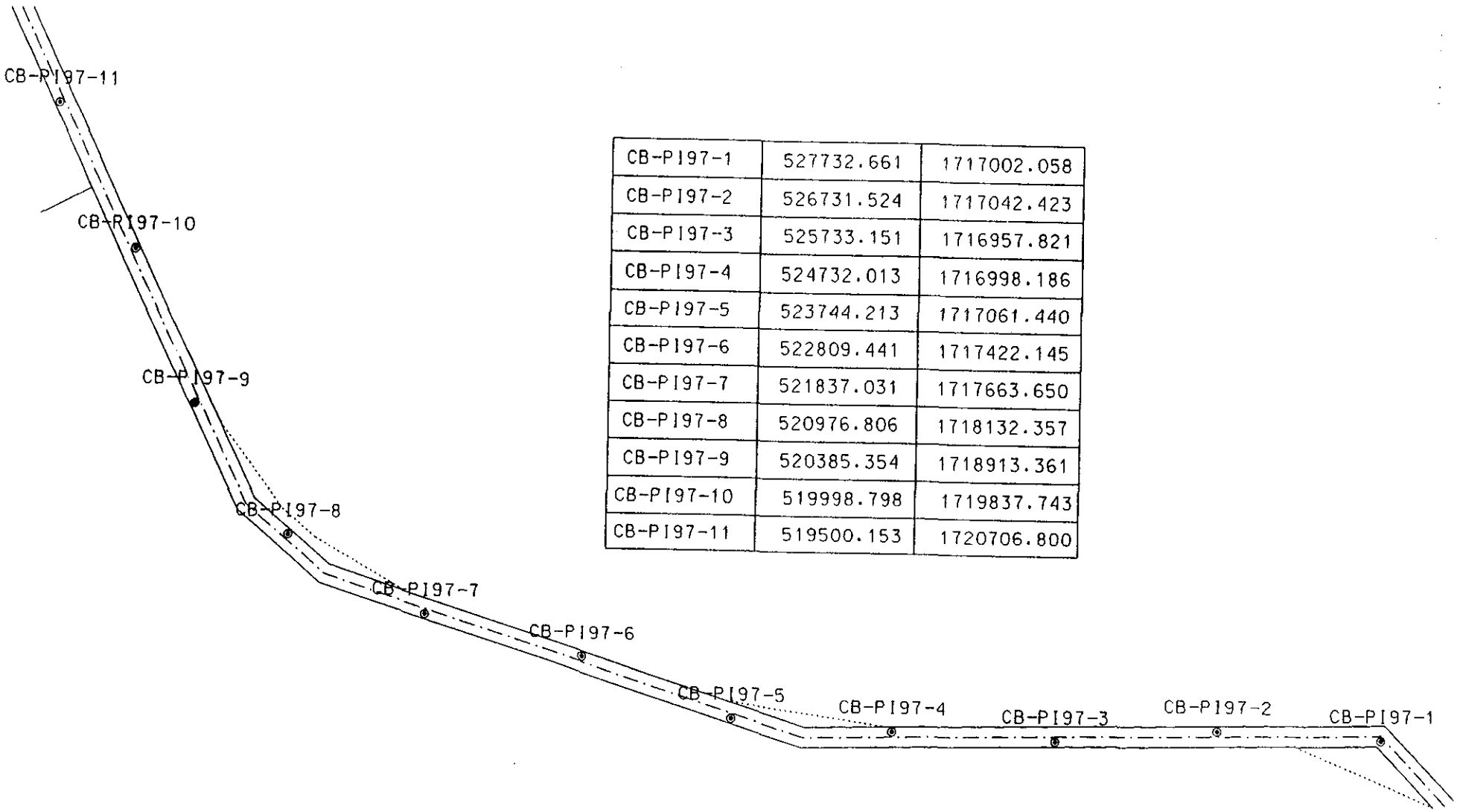
140# Hammer with 30" drop used 2.0' split spoon (1 3/8" I.D. X 2" O. D.)

22.5
25
27.5
30
32.5
35
37.5
40
42.5
45
47.5
50

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. MAR 71

PROJECT: Ponce De Leon Inlet

HOLE NUMBER: CB-PLI-6




| | | |
|---|---|---|
| CB-PI97-1 | 527732.661 | 1717002.058 |
| CB-PI97-2 | 526731.524 | 1717042.423 |
| CB-PI97-3 | 525733.151 | 1716957.821 |
| CB-PI97-4 | 524732.013 | 1716998.186 |
| CB-PI97-5 | 523744.213 | 1717061.440 |
| CB-PI97-6 | 522809.441 | 1717422.145 |
| CB-PI97-7 | 521837.031 | 1717663.650 |
| CB-PI97-8 | 520976.806 | 1718132.357 |
| CB-PI97-9 | 520385.354 | 1718913.361 |
| CB-PI97-10 | 519998.798 | 1719837.743 |
| CB-PI97-11 | 519500.153 | 1720706.800 |

Hole No.CB-PI-1A

| DRILLING LOG | DIVISION South Atlantic | INSTALLATION Jacksonville District | SHEET 1 OF 1 |
|---|---|---|---|

1. PROJECT: Ponce de Leon Inlet
2. LOCATION (Coordinates or Station): X=527,197 Y=1717,079
3. DRILLING AGENCY: Corps of Engineers
4. HOLE NO. (As shown on drawing title and file number): CB-PI-1A
5. NAME OF DRILLER: L.C. Gregory
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED
7. THICKNESS OF BURDEN: 0 Ft.
8. DEPTH DRILLED INTO ROCK: 0 Ft.
9. TOTAL DEPTH OF HOLE: 9.0 Ft.
10. SIZE AND TYPE OF BIT: See Remarks
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MLW
12. MANUFACTURER'S DESIGNATION OF DRILL: Acker on WB-33
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: disturbed: 6 undisturbed:
14. TOTAL NUMBER OF CORE BOXES: 1
15. ELEVATION GROUND WATER: Tidal
16. DATE HOLE: STARTED 3/19/97 COMPLETED 3/19/97
17. ELEVATION TOP OF HOLE: -11.0 Ft.
18. TOTAL CORE RECOVERY FOR BORING: 63 %
19. SIGNATURE OF GEOLOGIST: B. Ross

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -11.0 | .0 | | | | | -11.0 | |
| | | | SAND, fine to medium grained quartz, gray (SP) | 10 | 1 | SPLIT SPOON -12.5 | SETTLED 1 |
| | | | | 50 | 2 | SPLIT SPOON -14.0 | 4 4 4 |
| | | | | 66 | 3 | SPLIT SPOON -15.5 | SETTLED 7 6 |
| | | | | 90 | 4 | SPLIT SPOON -17.0 | 2 2 4 |
| | | | | 100 | 5 | SPLIT SPOON -18.5 | 4 7 11 |
| | | | | | 6 | SPLIT SPOON -20.0 | 10 10 10 |
| -20.0 | 9.0 | | | | | | |

Soils are field visually classified in accordance with the Unified Soils Classification System.

| SAMPLE ELEVATION | LABORATORY CLASSIFICATION |
|---|---|
| -12.5/-14.0 | (SP)* |
| -15.5/-17.0 | (SP)* |

*NOTE: Visual classification based on grain size curves. No Atterberg Limits.

140# HAMMER WITH 30" DROP USED ON 2" SPLIT SPOON (1 3/8" ID X 2" OD)

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

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| PROJECT | HOLE NUMBER |
|---|---|
| Ponce de Leon Inlet | CB-PI-1A |

Hole No.CB-PI-2

# DRILLING LOG

| | |
|---|---|
| DIVISION | South Atlantic |
| INSTALLATION | Jacksonville District |
| SHEET 1 OF 1 | |
| 1. PROJECT | Ponce de Leon Inlet |
| 2. LOCATION (Coordinates or Station) | X=526,736 Y=1717,044 |
| 3. DRILLING AGENCY | Corps of Engineers |
| 4. HOLE NO. (As shown on drawing title and file number) | CB-PI-2 |
| 5. NAME OF DRILLER | L.C. Gregory |
| 6. DIRECTION OF HOLE | ☒ VERTICAL ☐ INCLINED |
| 7. THICKNESS OF BURDEN | 0 Ft. |
| 8. DEPTH DRILLED INTO ROCK | 0 Ft. |
| 9. TOTAL DEPTH OF HOLE | 7.5 Ft. |
| 10. SIZE AND TYPE OF BIT | See Remarks |
| 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) | MLW |
| 12. MANUFACTURER'S DESIGNATION OF DRILL | Acker on WB-33 |
| 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN | disturbed: 5 undisturbed: |
| 14. TOTAL NUMBER OF CORE BOXES | 1 |
| 15. ELEVATION GROUND WATER | Tidal |
| 16. DATE HOLE STARTED / COMPLETED | 3/12/97 3/12/97 |
| 17. ELEVATION TOP OF HOLE | -12.5 Ft. |
| 18. TOTAL CORE RECOVERY FOR BORING | 58 % |
| 19. SIGNATURE OF GEOLOGIST | B. Ross |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -12.5 | .0 | | | | | -12.5 | |
| -14.0 | 1.5 | | silty SAND, fine to medium grained quartz, dark brown (SM) | 47 | 1 | SPLIT SPOON -14.0 | SETTLED |
| -15.5 | 3.0 | | SAND, fine to medium grained quartz, gray (SP-SM) | 80 | 2 | SPLIT SPOON -15.5 | 3 2 2 |
| | | | SAND, fine to medium grained quartz, gray (SP) | 53 | 3 | SPLIT SPOON -17.0 | 2 4 7 |
| | | | | 53 | 4 | SPLIT SPOON -18.5 | 5 8 11 |
| -20.0 | 7.5 | | | 60 | 5 | SPLIT SPOOON -20.0 | 7 18 31 |
| | | | Soils are field visually classified in accordance wtit the Unified Soils Claswsification System. | | | 140# HAMMER WITH 30" DROP USED ON 2' SPLIT SPOON (1 3/8" ID X 2" OD) | |

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. MAR 71

| PROJECT | HOLE NUMBER |
|---|---|
| Ponce de Leon Inlet | CB-PI-2 |

Hole No.CB-PI-3

| DRILLING LOG | DIVISION South Atlantic | INSTALLATION Jacksonville District | SHEET 1 OF 1 |
|---|---|---|---|

1. PROJECT: Ponce de Leon Inlet
2. LOCATION (Coordinates or Station): X=525,735 Y=1716,964
3. DRILLING AGENCY: Corps of Engineers
4. HOLE NO. (As shown on drawing title and file number): CB-PI-3
5. NAME OF DRILLER: L.C. Gregory
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED
7. THICKNESS OF BURDEN: 0 Ft.
8. DEPTH DRILLED INTO ROCK: 0 Ft.
9. TOTAL DEPTH OF HOLE: 6.0 Ft.
10. SIZE AND TYPE OF BIT: See Remarks
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MLW
12. MANUFACTURER'S DESIGNATION OF DRILL: Acker on WB-33
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: disturbed: 4 undisturbed:
14. TOTAL NUMBER OF CORE BOXES: 1
15. ELEVATION GROUND WATER: Tidal
16. DATE HOLE: STARTED 3/11/97 COMPLETED 3/11/97
17. ELEVATION TOP OF HOLE: -14.6 Ft.
18. TOTAL CORE RECOVERY FOR BORING: 66 %
19. SIGNATURE OF GEOLOGIST: B. Ross

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -14.6 | .0 | | | | | -14.6 | |
| -16.1 | 1.5 | | silty SAND, fine to medium grained quartz, dark brown (SM) | 33 | 1 | SPLIT SPOON -16.1 | SETTLED ↓ 2 |
| -17.6 | 3.0 | | SAND, fine to medium grained quartz, gray (SP-SM) | 66 | 2 | SPLIT SPOON -17.6 | 1 3 5 |
| -20.6 | 6.0 | | SAND, fine to medium grained quartz, light, gray (SP) | 66 | 3 | SPLIT SPOON -19.1 | 9 18 35 |
| | | | | 100 | 4 | SPLIT SPOON -20.6 | 8 9 15 |

Soils are field visually classified in accordance with the Unified Soils Classification System.

| SAMPLE ELEVATION | LABORATORY CLASSIFICATION |
|---|---|
| -16.1/-17.6 | (SP-SM)* |

*NOTE: Visual classification based on grain size curves. No Atterberg Limits.

140# HAMMER WITH 30" DROP USED ON 2' SPLIT SPOON (1 3/8" ID X 2" OD)

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

Hole No.CB-PI-4

# DRILLING LOG

| | |
|---|---|
| DIVISION | South Atlantic |
| INSTALLATION | Jacksonville District |
| SHEET | 1 OF 1 |
| 1. PROJECT | Ponce de Leon Inlet |
| 2. LOCATION (Coordinates or Station) | X=524,732 Y=1716,993 |
| 3. DRILLING AGENCY | Corps of Engineers |
| 4. HOLE NO. (As shown on drawing title and file number) | CB-PI-4 |
| 5. NAME OF DRILLER | L.C. Gregory |
| 6. DIRECTION OF HOLE | ☒ VERTICAL ☐ INCLINED |
| 7. THICKNESS OF BURDEN | 0 Ft. |
| 8. DEPTH DRILLED INTO ROCK | 0 Ft. |
| 9. TOTAL DEPTH OF HOLE | 6.0 Ft. |
| 10. SIZE AND TYPE OF BIT | See Remarks |
| 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) | MLW |
| 12. MANUFACTURER'S DESIGNATION OF DRILL | Acker on WB-33 |
| 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN | disturbed: 4 undisturbed: |
| 14. TOTAL NUMBER OF CORE BOXES | 1 |
| 15. ELEVATION GROUND WATER | Tidal |
| 16. DATE HOLE STARTED / COMPLETED | 3/11/97 3/11/97 |
| 17. ELEVATION TOP OF HOLE | -14.5 Ft. |
| 18. TOTAL CORE RECOVERY FOR BORING | 37 % |
| 19. SIGNATURE OF GEOLOGIST | B. Ross |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -14.5 | .0 | | | | | -14.5 | |
| | | | silty SAND, fine to medium grained quartz, dark brown (SM) | 21 | 1 | SPLIT SPOON -16.0 | SETTLED |
| | | | | 14 | 2 | SPLIT SPOON -17.5 | SETTLED |
| -17.5 | 3.0 | | | | | | |
| | | | SAND, fine to medium grained quartz, gray (SP-SM) | 66 | 3 | SPLIT SPOON -19.0 | SETTLED 2 |
| -19.0 | 4.5 | | | | | | |
| | | | SHELL SAND, medium sand size to 1" whole and broken shell, gray (SP) | 47 | 4 | SPLIT SPOON -20.5 | SETTLED 1 2 |
| -20.5 | 6.0 | | | | | | |

Soils are field visually classified in accordance with the Unified Soils Classification System.

| SAMPLE ELEVATION | LABORATORY CLASSIFICATION |
|---|---|
| -14.5/-16.0 | (SP-SM)* |

*NOTE: Visual classification based on grain size curves. No Atterberg Limits.

140# HAMMER WITH 30" DROP USED ON 2' SPLIT SPOON (1 3/8" ID X 2" OD)

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

Hole No.CB-PDI-5

# DRILLING LOG

| | |
|---|---|
| DIVISION | South Atlantic |
| INSTALLATION | Jacksonville District |
| SHEET | 1 OF 1 |
| 1. PROJECT | Ponce de Leon Inlet |
| 2. LOCATION (Coordinates or Station) | X=523,744 Y=1717,060 |
| 3. DRILLING AGENCY | Corps of Engineers |
| 4. HOLE NO. (As shown on drawing title and file number) | CB-PDI-5 |
| 5. NAME OF DRILLER | L.C. Gregory |
| 6. DIRECTION OF HOLE | ☒ VERTICAL ☐ INCLINED |
| 7. THICKNESS OF BURDEN | 0 Ft. |
| 8. DEPTH DRILLED INTO ROCK | 0 Ft. |
| 9. TOTAL DEPTH OF HOLE | 7.5 Ft. |
| 10. SIZE AND TYPE OF BIT | See Remarks |
| 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) | MLW |
| 12. MANUFACTURER'S DESIGNATION OF DRILL | Acker on WB-33 |
| 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN | disturbed: 5 undisturbed: |
| 14. TOTAL NUMBER OF CORE BOXES | 1 |
| 15. ELEVATION GROUND WATER | Tidal |
| 16. DATE HOLE | STARTED 3/12/97 COMPLETED 3/12/97 |
| 17. ELEVATION TOP OF HOLE | -13.0 Ft. |
| 18. TOTAL CORE RECOVERY FOR BORING | 44 % |
| 19. SIGNATURE OF GEOLOGIST | B. Ross |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -13.0 | .0 | | | | | -13.0 | |
| -14.5 | 1.5 | | silty SAND, fine to medium grained quartz, dark brown (SM) | 33 | 1 | SPLIT SPOON -14.5 | SETTLED |
| | | | SAND, fine to medium grained quartz, gray (SP-SM) | 33 | 2 | SPLIT SPOON -16.0 | SETTLED |
| | | | | 33 | 3 | SPLIT SPOON -17.5 | SETTLED |
| -19.0 | 6.0 | | | 33 | 4 | SPLIT SPOON -19.0 | SETTLED 4 4 |
| -20.5 | 7.5 | | SAND, fine to medium grained quartz, trace coarse shell, light gray (SP) | 87 | 5 | SPLIT SPOOON -20.5 | 10 17 22 |

Soils are field visually classified in accordance with the Unified Soils Classification System.

140# HAMMER WITH 30" DROP USED ON 2' SPLIT SPOON (1 3/8" ID X 2" OD)

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. MAR 71

| PROJECT | HOLE NUMBER |
|---|---|
| Ponce de Leon Inlet | CB-PDI-5 |

Hole No.CB-PI-6

# DRILLING LOG

| | |
|---|---|
| DIVISION | South Atlantic |
| INSTALLATION | Jacksonville District |
| SHEET | 1 OF 1 |
| 1. PROJECT | Ponce de Leon Inlet |
| 2. LOCATION (Coordinates or Station) | X=522,808 Y=1717,429 |
| 3. DRILLING AGENCY | Corps of Engineers |
| 4. HOLE NO. (As shown on drawing title and file number) | CB-PI-6 |
| 5. NAME OF DRILLER | L.C. Gregory |
| 6. DIRECTION OF HOLE | ☒ VERTICAL ☐ INCLINED |
| 7. THICKNESS OF BURDEN | 0 Ft. |
| 8. DEPTH DRILLED INTO ROCK | 0 Ft. |
| 9. TOTAL DEPTH OF HOLE | 9.0 Ft. |
| 10. SIZE AND TYPE OF BIT | See Remarks |
| 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) | MLW |
| 12. MANUFACTURER'S DESIGNATION OF DRILL | Acker on WB-33 |
| 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN | disturbed: 6 undisturbed: |
| 14. TOTAL NUMBER OF CORE BOXES | 1 |
| 15. ELEVATION GROUND WATER | Tidal |
| 16. DATE HOLE STARTED / COMPLETED | 3/12/97 3/12/97 |
| 17. ELEVATION TOP OF HOLE | -11.0 Ft. |
| 18. TOTAL CORE RECOVERY FOR BORING | 62 % |
| 19. SIGNATURE OF GEOLOGIST | B. Ross |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -11.0 | .0 | | | | | -11.0 | |
| -12.5 | 1.5 | | Silty SAND, some fine to medium grained quartz, brown (SM) | 40 | 1 | SPLIT SPOON -12.5 | SETTLED |
| | | | SAND, fine to medium grained quartz, light gray (SP) | 80 | 2 | SPLIT SPOON -14.0 | 2 5 5 |
| | | | | 53 | 3 | SPLIT SPOON -15.5 | 2 3 5 |
| | | | | 80 | 4 | SPLIT SPOON -17.0 | 5 11 23 |
| | | | | 60 | 5 | SPLIT SPOON -18.5 | 7 8 12 |
| -20.0 | 9.0 | | | 66 | 6 | SPLIT SPOON -20.0 | 6 17 25 |

Soils are field visually classified in accordance with the Unified Soils Classification System.

SAMPLE ELEVATION — LABORATORY CLASSIFICATION

*NOTE: Visual classification based on grain size curves. No Atterberg Limits.

140# HAMMER WITH 30" DROP USED ON 2" SPLIT SPOON (1 3/8" ID X 2" OD)

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. MAR 71

| PROJECT | HOLE NUMBER |
|---|---|
| Ponce de Leon Inlet | CB-PI-6 |

Hole No.CB-PI-7

# DRILLING LOG

| | |
|---|---|
| DIVISION | South Atlantic |
| INSTALLATION | Jacksonville District |
| SHEET 1 OF 1 | |
| 1. PROJECT | Ponce de Leon Inlet |
| 2. LOCATION (Coordinates or Station) | X=521,837 Y=1717,666 |
| 3. DRILLING AGENCY | Corps of Engineers |
| 4. HOLE NO. (As shown on drawing title and file number) | CB-PI-7 |
| 5. NAME OF DRILLER | L.C. Gregory |
| 6. DIRECTION OF HOLE | ☒ VERTICAL ☐ INCLINED |
| 7. THICKNESS OF BURDEN | 0 Ft. |
| 8. DEPTH DRILLED INTO ROCK | 0 Ft. |
| 9. TOTAL DEPTH OF HOLE | 7.5 Ft. |
| 10. SIZE AND TYPE OF BIT | See Remarks |
| 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) | MLW |
| 12. MANUFACTURER'S DESIGNATION OF DRILL | Acker on WB-33 |
| 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN | disturbed: 5 undisturbed: |
| 14. TOTAL NUMBER OF CORE BOXES | 1 |
| 15. ELEVATION GROUND WATER | Tidal |
| 16. DATE HOLE | STARTED 3/13/97 COMPLETED 3/13/97 |
| 17. ELEVATION TOP OF HOLE | -12.9 Ft. |
| 18. TOTAL CORE RECOVERY FOR BORING | 58 % |
| 19. SIGNATURE OF GEOLOGIST | B. Ross |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -12.9 | .0 | | | | | -12.9 | |
| -14.4 | 1.5 | | SAND, fine to medium grained quartz, gray (SP-SM) | 28 | 1 | SPLIT SPOON -14.4 | SETTLED |
| | | | SAND, fine to medium grained quartz, light gray (SP) | 53 | 2 | SPLIT SPOON -15.9 | 6 8 11 |
| | | | | 80 | 3 | SPLIT SPOON -17.4 | 9 17 15 |
| | | | | 73 | 4 | SPLIT SPOON -18.9 | 9 27 32 |
| -20.4 | 7.5 | | | 66 | 5 | SPLIT SPOOON -20.4 | 9 24 48 |
| | | | Soils are field visually classified in accordance with the Unified Soils Classification System. | | | 140# HAMMER WITH 30" DROP USED ON 2' SPLIT SPOON (1 3/8" ID X 2" OD) | |

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

ENG FORM 1836 MAR 71 PREVIOUS EDITIONS ARE OBSOLETE.

| PROJECT | HOLE NUMBER |
|---|---|
| Ponce de Leon Inlet | CB-PI-7 |

Hole No.CB-PI-8

# DRILLING LOG

| | |
|---|---|
| DIVISION | South Atlantic |
| INSTALLATION | Jacksonville District |
| SHEET | 1 OF 1 |
| 1. PROJECT | Ponce de Leon Inlet |
| 2. LOCATION (Coordinates or Station) | X=520,977 Y=1718,129 |
| 3. DRILLING AGENCY | Corps of Engineers |
| 4. HOLE NO. (As shown on drawing title and file number) | CB-PI-8 |
| 5. NAME OF DRILLER | L.C. Gregory |
| 6. DIRECTION OF HOLE | ☒ VERTICAL ☐ INCLINED |
| 7. THICKNESS OF BURDEN | 0 Ft. |
| 8. DEPTH DRILLED INTO ROCK | 0 Ft. |
| 9. TOTAL DEPTH OF HOLE | 13.5 Ft. |
| 10. SIZE AND TYPE OF BIT | See Remarks |
| 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) | MLW |
| 12. MANUFACTURER'S DESIGNATION OF DRILL | Acker on WB-33 |
| 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN | disturbed: 9 undisturbed: |
| 14. TOTAL NUMBER OF CORE BOXES | 1 |
| 15. ELEVATION GROUND WATER | Tidal |
| 16. DATE HOLE STARTED / COMPLETED | 3/13/97 3/13/97 |
| 17. ELEVATION TOP OF HOLE | -7.4 Ft. |
| 18. TOTAL CORE RECOVERY FOR BORING | 46 % |
| 19. SIGNATURE OF GEOLOGIST | B. Ross |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/ .5' |
|---|---|---|---|---|---|---|---|
| -7.4 | .0 | | | | | -7.4 | |
| | | | SAND, fine to medium grained quartz, gray (SP) | 28 | 1 | SPLIT SPOON -8.9 | SETTLED ↓ 2 |
| | | | | 67 | 2 | SPLIT SPOON -10.4 | 2 3 5 |
| | | | | 63 | 3 | SPLIT SPOON -11.9 | 7 6 11 |
| | | | | 54 | 4 | SPLIT SPOON -13.4 | 15 20 26 |
| | | | | 54 | 5 | SPLIT SPOON -14.9 | 4 5 6 |
| | | | | 33 | 6 | SPLIT SPOON -16.4 | 7 7 12 |
| | | | | 28 | 7 | SPLIT SPOON -17.9 | 7 12 14 |
| | | | | 49 | 8 | SPLIT SPOON -19.4 | 5 10 15 |
| | | | | 49 | 9 | SPLIT SPOON -20.9 | 4 10 16 |
| -20.9 | 13.5 | | | | | | |

Soils are field visually classified in accordance with the Unified Soils Classification System.

| SAMPLE ELEVATION | LABORATORY CLASSIFICATION |
|---|---|
| -7.4/-8.9 | (SP)* |
| -13.4/-14.9 | (SP)* |

*NOTE: Visual classification based on grain size curves. No Atterberg Limits.

140# HAMMER WITH 30" DROP USED ON 2' SPLIT SPOON (1 3/8" ID X 2" OD)

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. MAR 71

PROJECT: Ponce de Leon Inlet

HOLE NUMBER: CB-PI-8

Hole No.CB-PI-9

# DRILLING LOG

| | |
|---|---|
| DIVISION | South Atlantic |
| INSTALLATION | Jacksonville District |
| SHEET 1 OF 1 | |
| 1. PROJECT | Ponce de Leon Inlet |
| 2. LOCATION (Coordinates or Station) | X=520,382 Y=1718,918 |
| 3. DRILLING AGENCY | Corps of Engineers |
| 4. HOLE NO. (As shown on drawing title and file number) | CB-PI-9 |
| 5. NAME OF DRILLER | L.C. Gregory |
| 6. DIRECTION OF HOLE | ☒ VERTICAL ☐ INCLINED |
| 7. THICKNESS OF BURDEN | 0 Ft. |
| 8. DEPTH DRILLED INTO ROCK | 0 Ft. |
| 9. TOTAL DEPTH OF HOLE | 9.0 Ft. |
| 10. SIZE AND TYPE OF BIT | See Remarks |
| 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) | MLW |
| 12. MANUFACTURER'S DESIGNATION OF DRILL | Acker on WB-33 |
| 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN | disturbed: 6 undisturbed: |
| 14. TOTAL NUMBER OF CORE BOXES | 1 |
| 15. ELEVATION GROUND WATER | Tidal |
| 16. DATE HOLE STARTED / COMPLETED | 3/19/97 3/19/97 |
| 17. ELEVATION TOP OF HOLE | -11.0 Ft. |
| 18. TOTAL CORE RECOVERY FOR BORING | 63 % |
| 19. SIGNATURE OF GEOLOGIST | B. Ross |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -11.0 | .0 | | | | | -11.0 | |
| | | | SAND, fine to medium grained quartz, gray (SP) | 10 | 1 | SPLIT SPOON | SETTLED ↓ 4 |
| | | | | | | -12.5 | |
| | | | | 50 | 2 | SPLIT SPOON | 4 6 12 |
| | | | | | | -14.0 | |
| | | | | 66 | 3 | SPLIT SPOON | 5 7 11 |
| | | | | | | -15.5 | |
| | | | | 90 | 4 | SPLIT SPOON | 7 20 30 |
| | | | | | | -17.0 | |
| | | | | 100 | 5 | SPLIT SPOON | 15 22 23 |
| | | | brown from -18.6 to -20.1 | | | -18.5 | |
| | | | | | 6 | SPLIT SPOON | 4 5 2 |
| -20.0 | 9.0 | | | | | -20.0 | |

Soils are field visually classified in accordance with the Unified Soils Classification System.

| SAMPLE ELEVATION | LABORATORY CLASSIFICATION |
|---|---|
| -11.1/-12.6 | (SP)* |
| -15.6/-17.1 | (SP)* |

*NOTE: Visual classification based on grain size curves. No Atterberg Limits.

140# HAMMER WITH 30" DROP USED ON 2' SPLIT SPOON (1 3/8" ID X 2" OD)

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

ENG FORM 1836 MAR 71 PREVIOUS EDITIONS ARE OBSOLETE.

| PROJECT | HOLE NUMBER |
|---|---|
| Ponce de Leon Inlet | CB-PI-9 |

Hole No.CB-PI-10

# DRILLING LOG

| | |
|---|---|
| DIVISION | South Atlantic |
| INSTALLATION | Jacksonville District |
| SHEET | 1 OF 1 |
| 1. PROJECT | Ponce de Leon Inlet |
| 2. LOCATION (Coordinates or Station) | X=519,998 Y=1719,838 |
| 3. DRILLING AGENCY | Corps of Engineers |
| 4. HOLE NO. (As shown on drawing title and file number) | CB-PI-10 |
| 5. NAME OF DRILLER | L.C. Gregory |
| 6. DIRECTION OF HOLE | ☒ VERTICAL ☐ INCLINED |
| 7. THICKNESS OF BURDEN | 0 Ft. |
| 8. DEPTH DRILLED INTO ROCK | 0 Ft. |
| 9. TOTAL DEPTH OF HOLE | 9.0 Ft. |
| 10. SIZE AND TYPE OF BIT | See Remarks |
| 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) | MLW |
| 12. MANUFACTURER'S DESIGNATION OF DRILL | Acker on WB-33 |
| 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN | disturbed: 6 undisturbed: |
| 14. TOTAL NUMBER OF CORE BOXES | 1 |
| 15. ELEVATION GROUND WATER | Tidal |
| 16. DATE HOLE | STARTED 3/18/97 COMPLETED 3/18/97 |
| 17. ELEVATION TOP OF HOLE | -11.0 Ft. |
| 18. TOTAL CORE RECOVERY FOR BORING | 57 % |
| 19. SIGNATURE OF GEOLOGIST | B. Ross |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/5' |
|---|---|---|---|---|---|---|---|
| -11.0 | .0 | | | | | -11.0 | |
| | | | SAND, fine to medium grained quartz, gray (SP) | 21 | 1 | SPLIT SPOON -12.5 | SETTLED 3 |
| | | | | 66 | 2 | SPLIT SPOON -14.0 | 4 8 11 |
| | | | | 60 | 3 | SPLIT SPOON -15.5 | 5 8 13 |
| | | | | 70 | 4 | SPLIT SPOON -17.0 | 5 9 15 |
| | | | | 70 | 5 | SPLIT SPOON -18.5 | 4 10 17 |
| | | | brown from -18.6 to -20.1 | 55 | 6 | SPLIT SPOON -20.0 | 6 9 12 |
| -20.0 | 9.0 | | | | | | |
| | | | Soils are field visually classified in accordance with the Unified Soils Classification System. | | | 140# HAMMER WITH 30" DROP USED ON 2' SPLIT SPOON (1 3/8" ID X 2" OD) | |

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. MAR 71

| PROJECT | HOLE NUMBER |
|---|---|
| Ponce de Leon Inlet | CB-PI-10 |

Hole No.CB-PI-11

# DRILLING LOG

| | |
|---|---|
| DIVISION | South Atlantic |
| INSTALLATION | Jacksonville District |
| SHEET | 1 OF 1 |
| 1. PROJECT | Ponce de Leon Inlet |
| 2. LOCATION (Coordinates or Station) | X=519,503 Y=1720,706 |
| 3. DRILLING AGENCY | Corps of Engineers |
| 4. HOLE NO. (As shown on drawing title and file number) | CB-PI-11 |
| 5. NAME OF DRILLER | L.C. Gregory |
| 6. DIRECTION OF HOLE | ☒ VERTICAL ☐ INCLINED |
| 7. THICKNESS OF BURDEN | 0 Ft. |
| 8. DEPTH DRILLED INTO ROCK | 0 Ft. |
| 9. TOTAL DEPTH OF HOLE | 10.5 Ft. |
| 10. SIZE AND TYPE OF BIT | See Remarks |
| 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) | MLW |
| 12. MANUFACTURER'S DESIGNATION OF DRILL | Acker on WB-33 |
| 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN | disturbed: 7 undisturbed: |
| 14. TOTAL NUMBER OF CORE BOXES | 1 |
| 15. ELEVATION GROUND WATER | Tidal |
| 16. DATE HOLE STARTED / COMPLETED | 3/19/97 3/19/97 |
| 17. ELEVATION TOP OF HOLE | -11.6 Ft. |
| 18. TOTAL CORE RECOVERY FOR BORING | 74 % |
| 19. SIGNATURE OF GEOLOGIST | B. Ross |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -11.6 | .0 | | | | | -11.6 | |
| | | | SAND, fine to medium grained quartz, gray (SP) | 30 | 1 | SPLIT SPOON -13.1 | SETTLED 2 4 |
| | | | | 100 | 2 | SPLIT SPOON -14.6 | 8 7 7 |
| | | | brown from -14.9 to -8.6 | 100 | 3 | SPLIT SPOON -16.1 | 4 7 7 |
| | | | | 60 | 4 | SPLIT SPOON -17.6 | 1 3 4 |
| | | | tan from -18.6 to -21.1 | 100 | 5 | SPLIT SPOON -19.1 | 4 4 5 |
| | | | | 60 | 6 | SPLIT SPOON -20.6 | 1 2 4 |
| -22.1 | 10.5 | | | 70 | 7 | SPLIT SPOON -22.1 | 3 5 5 |

Soils are field visually classified in accordance with the Unified Soils Classification System.

| SAMPLE ELEVATION | LABORATORY CLASSIFICATION |
|---|---|
| -11.6/-13.1 | (SP)* |
| -14.6/-16.1 | (SP)* |

*NOTE: Visual classification based on grain size curves. No Atterberg Limits.

140# HAMMER WITH 30" DROP USED ON 2" SPLIT SPOON (1 3/8" ID X 2" OD)

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

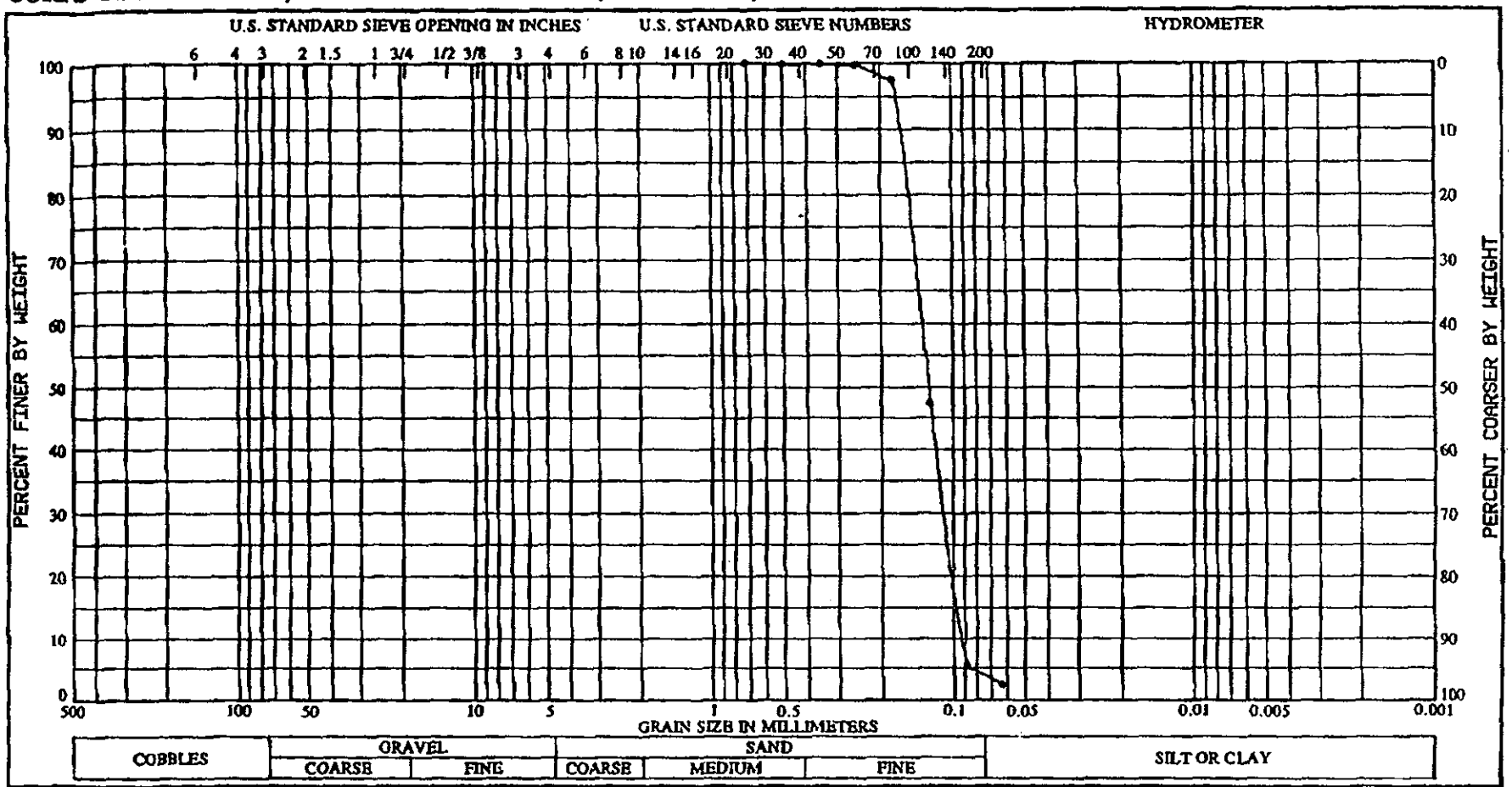
ENG FORM 1836 MAR 71 PREVIOUS EDITIONS ARE OBSOLETE.

PROJECT: Ponce de Leon Inlet

HOLE NUMBER: CB-PI-11

**DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY**
**CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060**

WORK ORDER: 8207
REQUISITION: W32CS570875212




| COBBLES | GRAVEL | | SAND | | | SILT OR CLAY |
|---|---|---|---|---|---|---|
| | COARSE | FINE | COARSE | MEDIUM | FINE | |

| Sample No. | Elev. (MLW) | (VISUAL) Classification | Nat w % | LL | PL | PI |
|---|---|---|---|---|---|---|
| 2 | -12.5/-14.0 | GRAY, POORLY GRADED SAND (SP), | 26.7 | | | |
| | | VISUAL PERCENT SHELL IS APPROX. < 1 | | | | |

Project PONCE DE LEON INLET, FLA.

Lab No. 73/7729

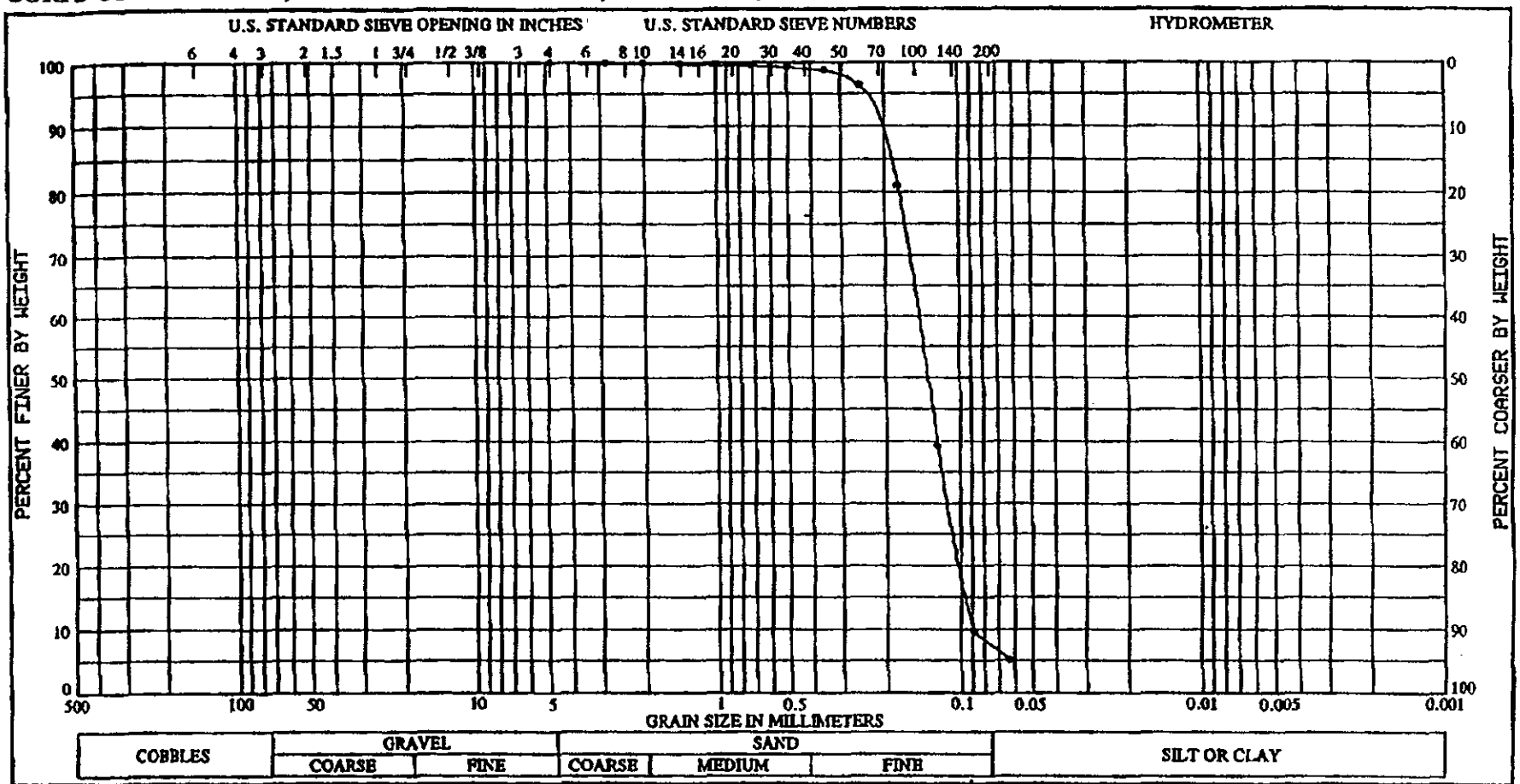
Boring No. CB-PI-1A

Date 04/22/97

# GRADATION CURVES

**DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY**
**CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060**

WORK ORDER: 8207
REQUISITION: W32CS570875212




| Sample No. | Elev. (MLW) | (VISUAL) Classification | Nat w% | LL | PL | PI |
|---|---|---|---|---|---|---|
| 2 | -16.1/-17.6 | GRAY, POORLY GRADED SILTY SAND (SP-SM). | 27.5 | | | |
| | | VISUAL PERCENT SHELL IS APPROX. < 1 | | | | |

Project PONCE DE LEON INLET, FLA.

Lab No. 73/7731

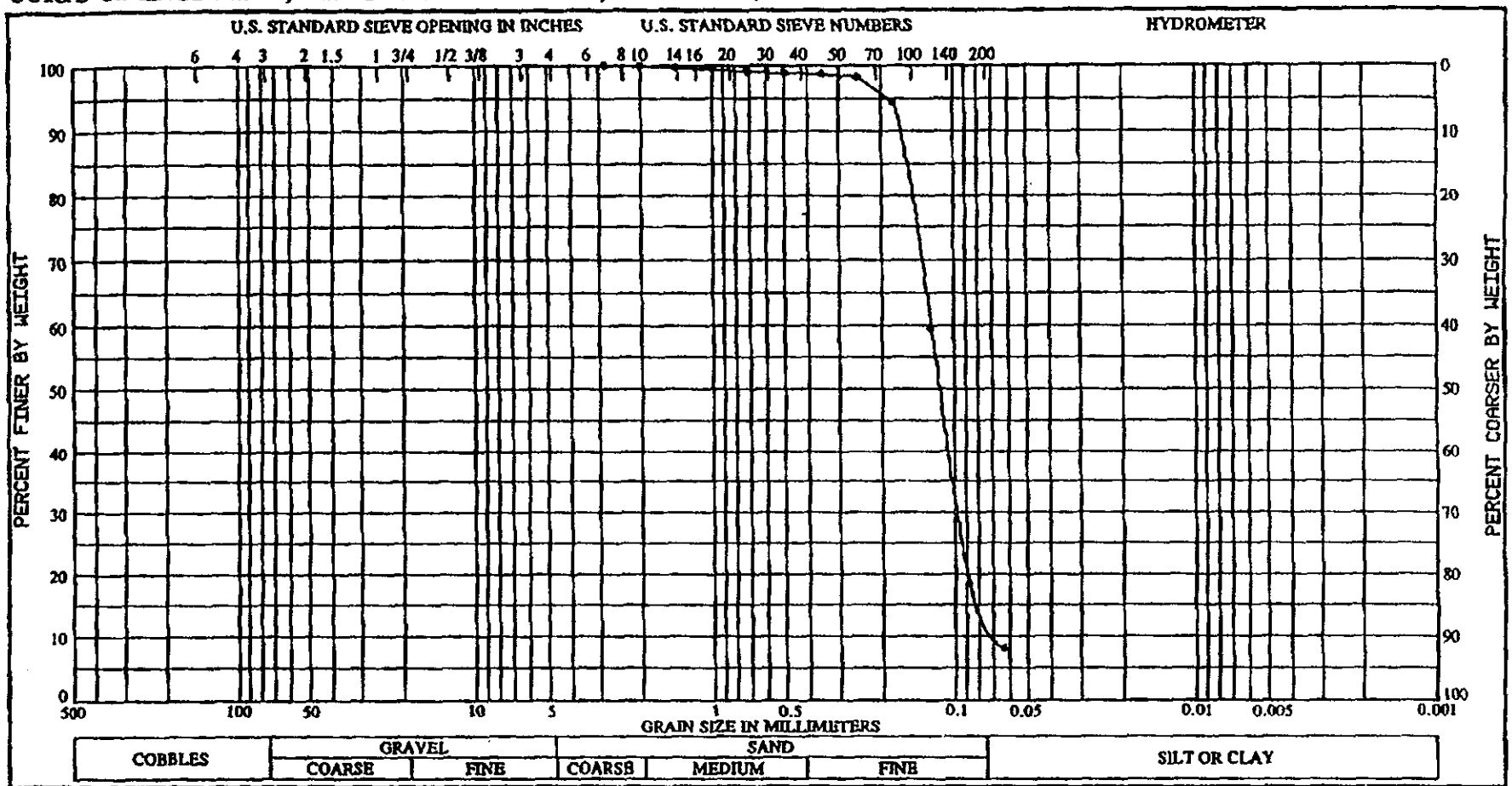
Boring No. CB-PI-3

Date 04/22/97

# GRADATION CURVES

**DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY**
**CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060**

WORK ORDER: 8207
REQUISITION: W32CS570875212




| COBBLES | GRAVEL | | SAND | | | SILT OR CLAY |
|---|---|---|---|---|---|---|
| | COARSE | FINE | COARSE | MEDIUM | FINE | |

| Sample No. | Elev. (MLW) | (VISUAL) Classification | Nat w% | LL | PL | PI |
|---|---|---|---|---|---|---|
| 1 | -14.5/-16.0 | GRAY, POORLY GRADED SILTY SAND (SP-SM). | 37.8 | | | |
| | | VISUAL PERCENT SHELL IS APPROX. < 1 | | | | |

Project PONCE DE LEON INLET, FLA.

Lab No. 73/7732

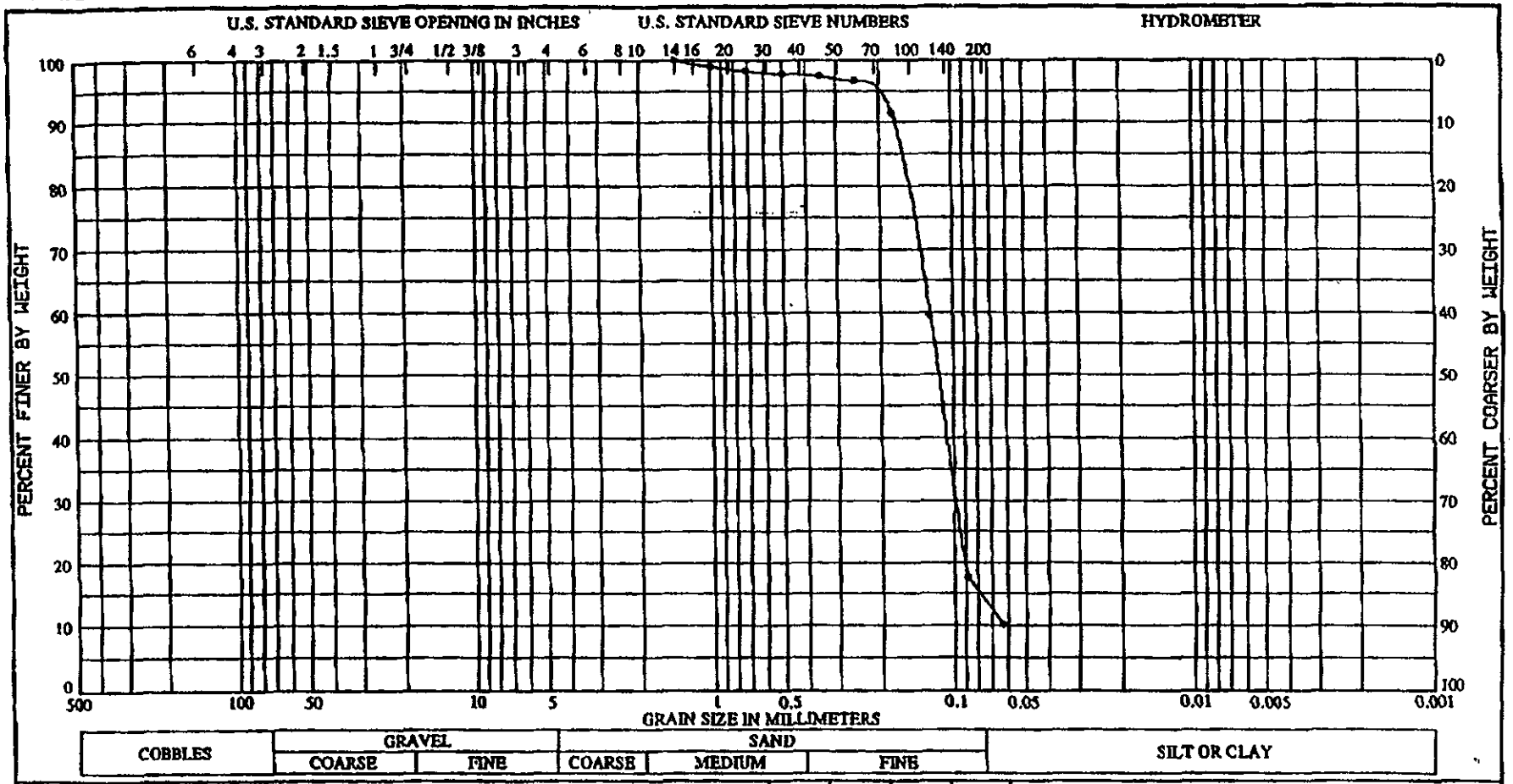
Boring No. CB-PI-4

Date 04/22/97

# GRADATION CURVES

**DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY**
**CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060**

WORK ORDER: 8207
REQUISITION: W32CS570875212




| COBBLES | GRAVEL | | SAND | | | SILT OR CLAY |
|---|---|---|---|---|---|---|
| | COARSE | FINE | COARSE | MEDIUM | FINE | |

| Sample No. | Elev. (MLW) | (VISUAL) Classification | Nat w% | LL | PL | PI |
|---|---|---|---|---|---|---|
| 1 | -11.0/-12.5 | GRAY, SILTY SAND (SM). | 46.1 | | | |
| | | VISUAL PERCENT SHELL IS APPROX. < 1 | | | | |

Project PONCE DE LEON INLET, FLA.

Lab No. 73/7733

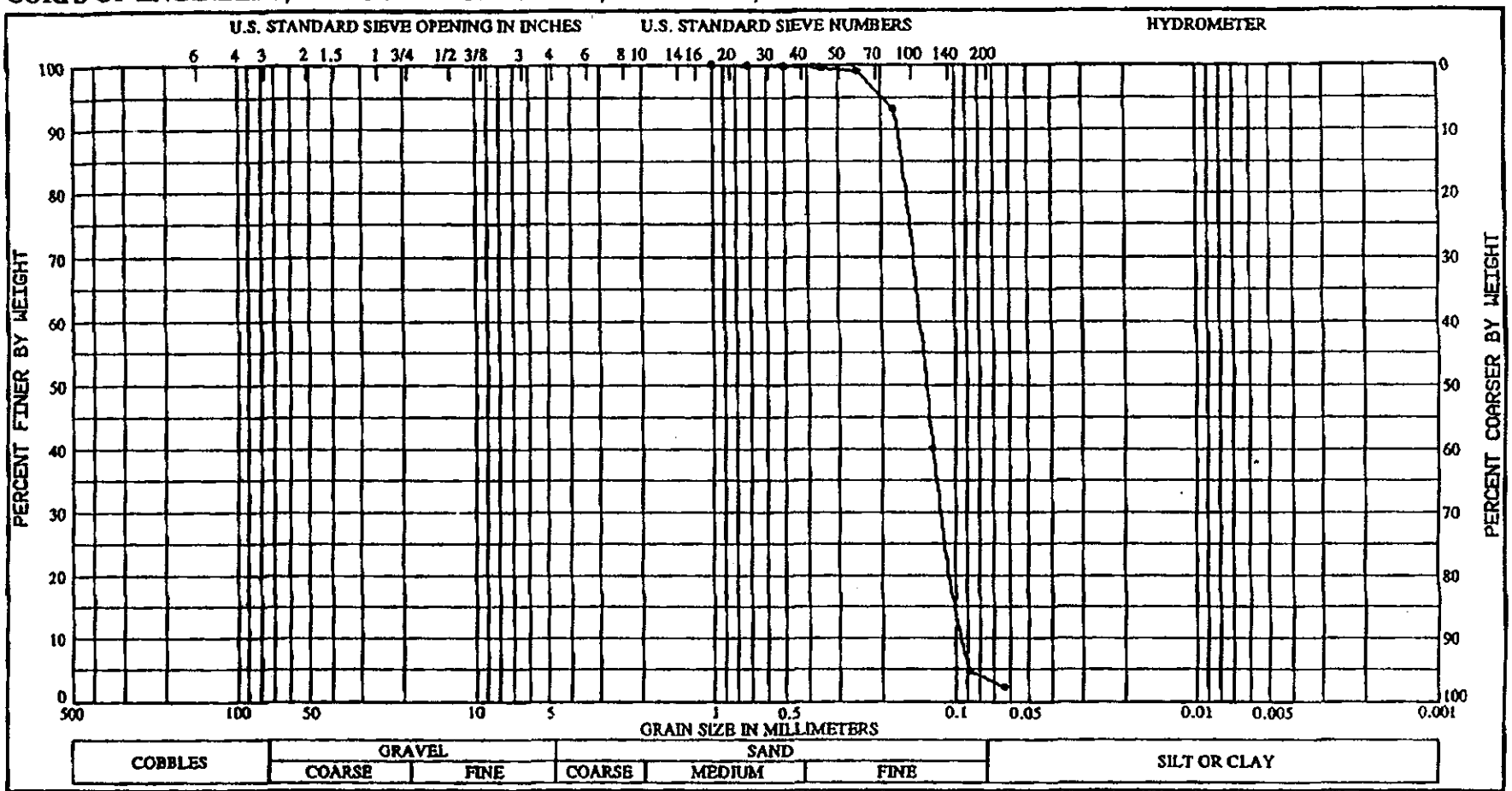
Boring No. CB-PI-8

Date 04/22/97

# GRADATION CURVES

**DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY**
**CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060**

WORK ORDER: 8207
REQUISITION: W32CS570875212




| Sample No. | Elev. (MLW) | (VISUAL) Classification | Nat w% | LL | PL | PI |
|---|---|---|---|---|---|---|
| 1 | -7.4/-8.9 | GRAY, POORLY GRADED SAND (SP). | 26.6 | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | VISUAL PERCENT SHELL IS APPROX. < 1 | | | | |

Project PONCE DE LEON INLET, FLA.

Lab No. 73/7735

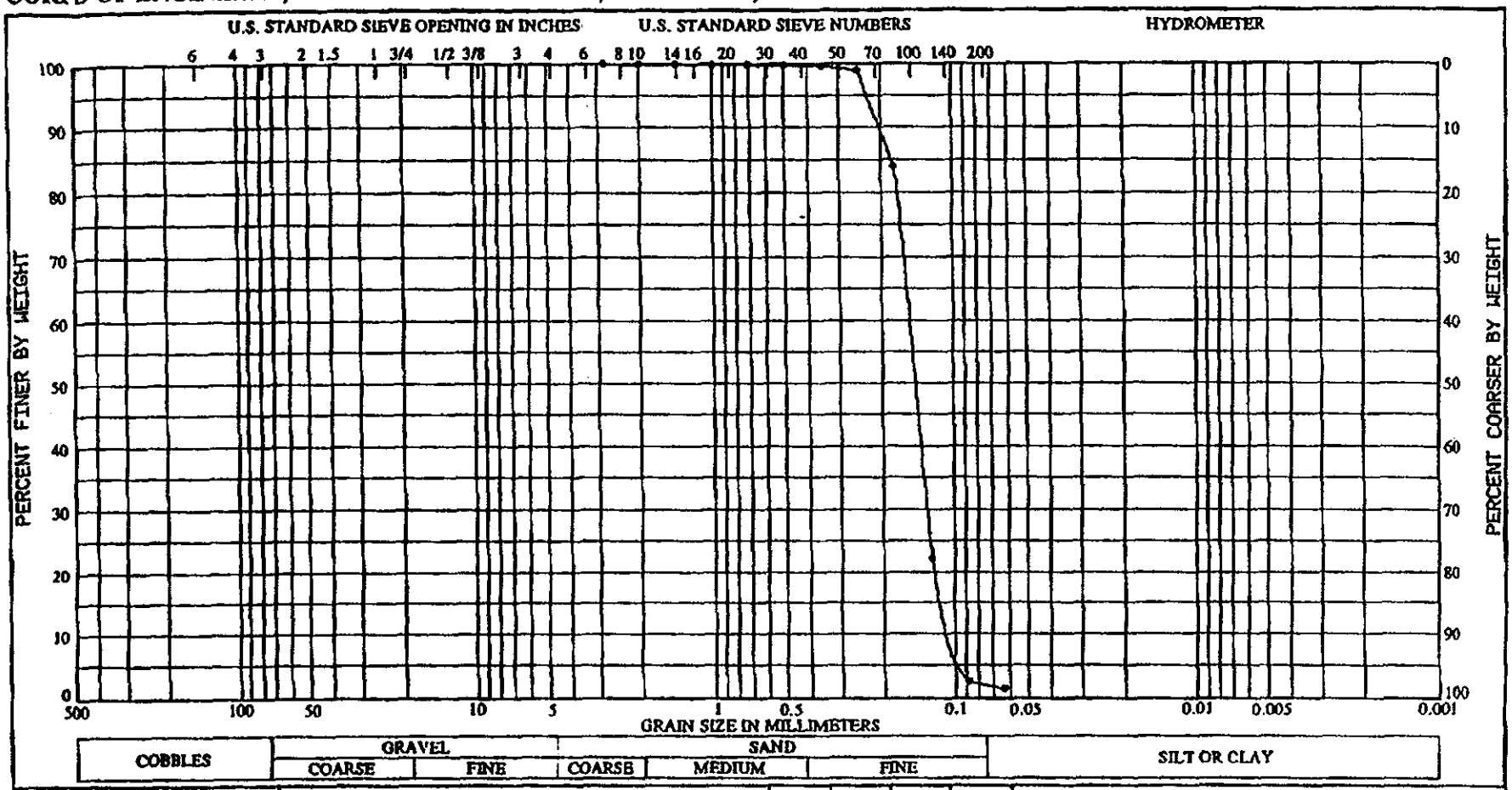
Boring No. CB-PI-8

Date 04/22/97

# GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 8207
REQUISITION: W32CS570875212




| Sample No. | Elev. (MLW) | (VISUAL) Classification | Nat w% | LL | PL | PI |
|---|---|---|---|---|---|---|
| 1 | -11.1/-12.6 | GRAY, POORLY GRADED SAND (SP), WITH A TRACE OF SHELL FRAGMENTS. | 24.8 | | | |
| | | VISUAL PERCENT SHELL IS APPROX. 1 %. | | | | |

Project: PONCE DE LEON INLET, FLA.

Lab No. 73/7737

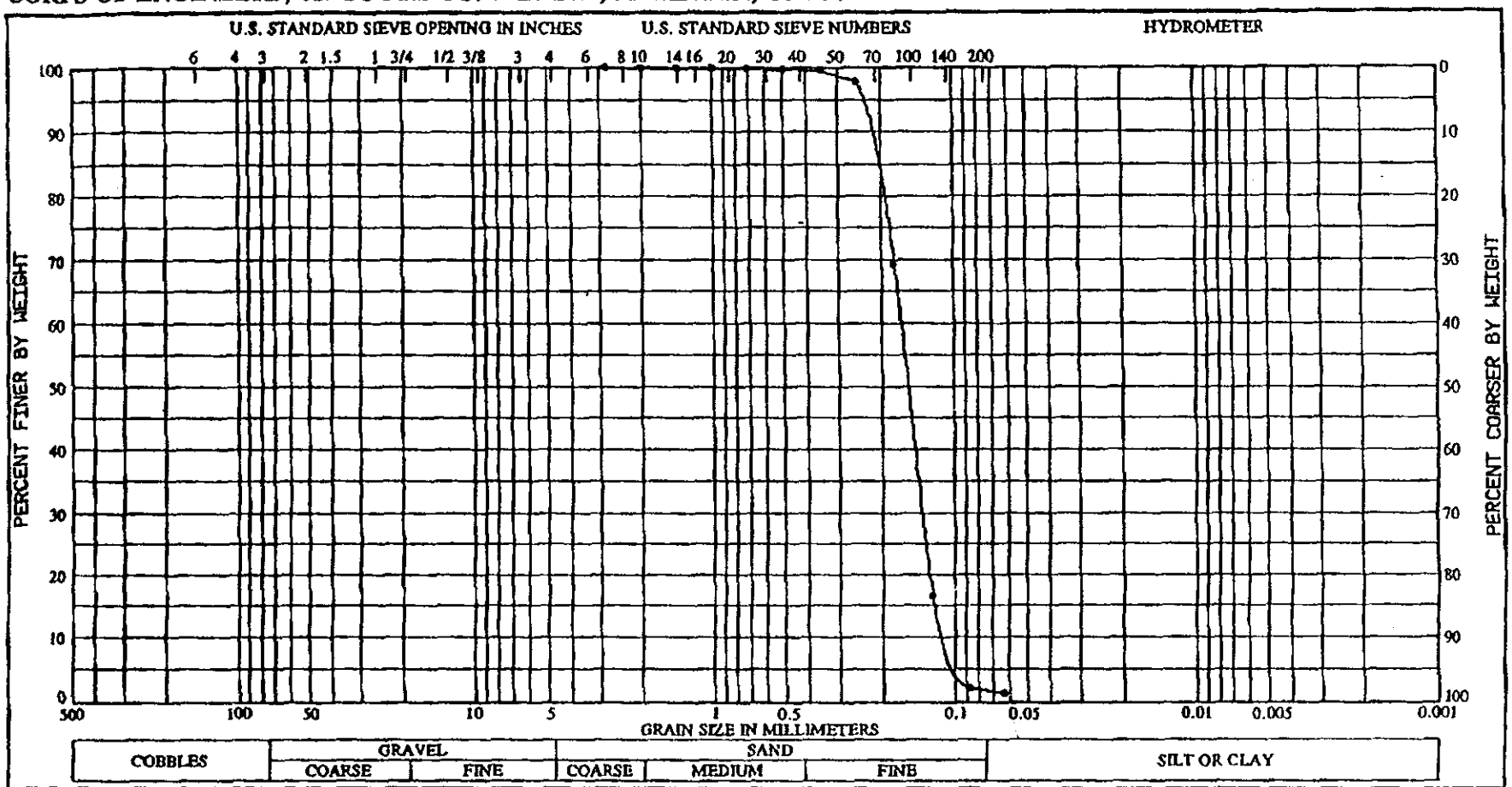
Boring No. CB-PI-9

Date 04/22/97

# GRADATION CURVES

DEPARTMENT OF THE ARMY, SOUTH ATLANTIC DIVISION LABORATORY
CORPS OF ENGINEERS, 611 SOUTH COBB DRIVE, MARIETTA, GA. 30060

WORK ORDER: 8207
REQUISITION: W32CS570875212




| Sample No. | Elev. (MLW) | (VISUAL) Classification | Nat w% | LL | PL | PI |
|---|---|---|---|---|---|---|
| 1 | -11.6/-13.1 | GRAY, POORLY GRADED SAND (SP). | 24.4 | | | |
| | | VISUAL PERCENT SHELL IS APPROX. < 1 | | | | |

Project PONCE DE LEON INLET, FLA.

Lab No. 73/7739

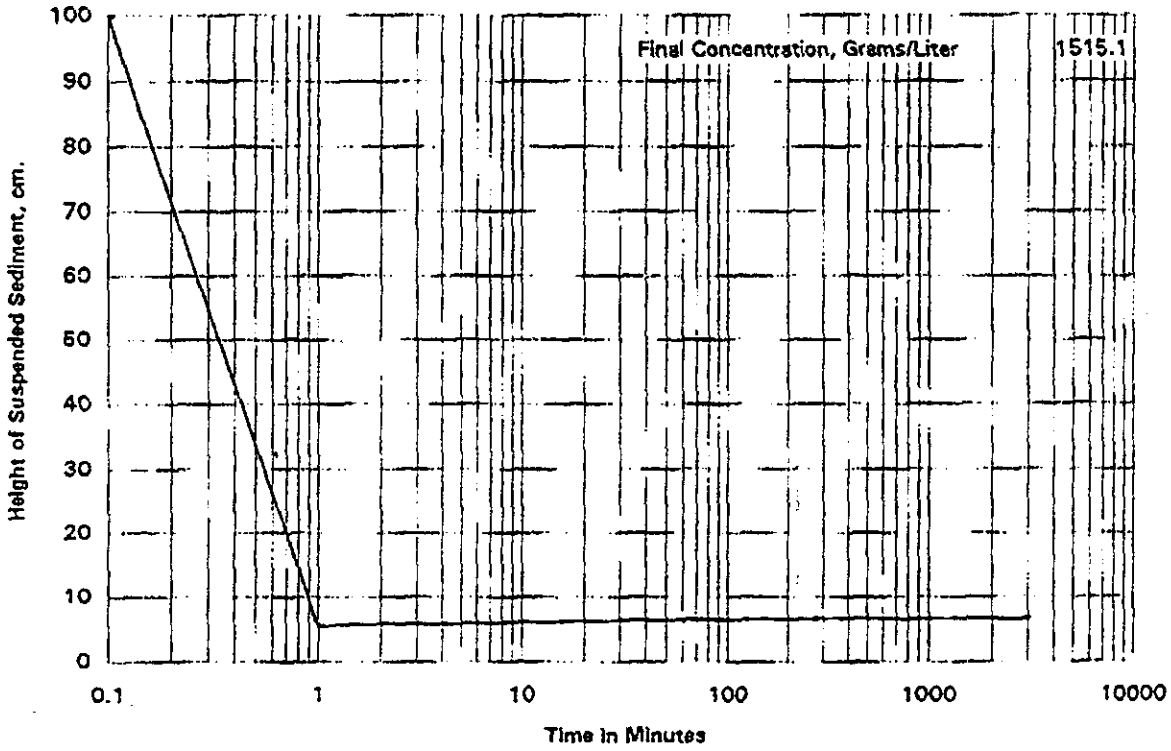
Boring No. CB-PI-11

Date 04/22/97

# GRADATION CURVES

U.S. ARMY CORPS OF ENGINEERS
SOUTH ATLANTIC DIVISION LABORATORY
MARIETTA, GEORGIA

## SUSPENDED SEDIMENT-TIME CURVE

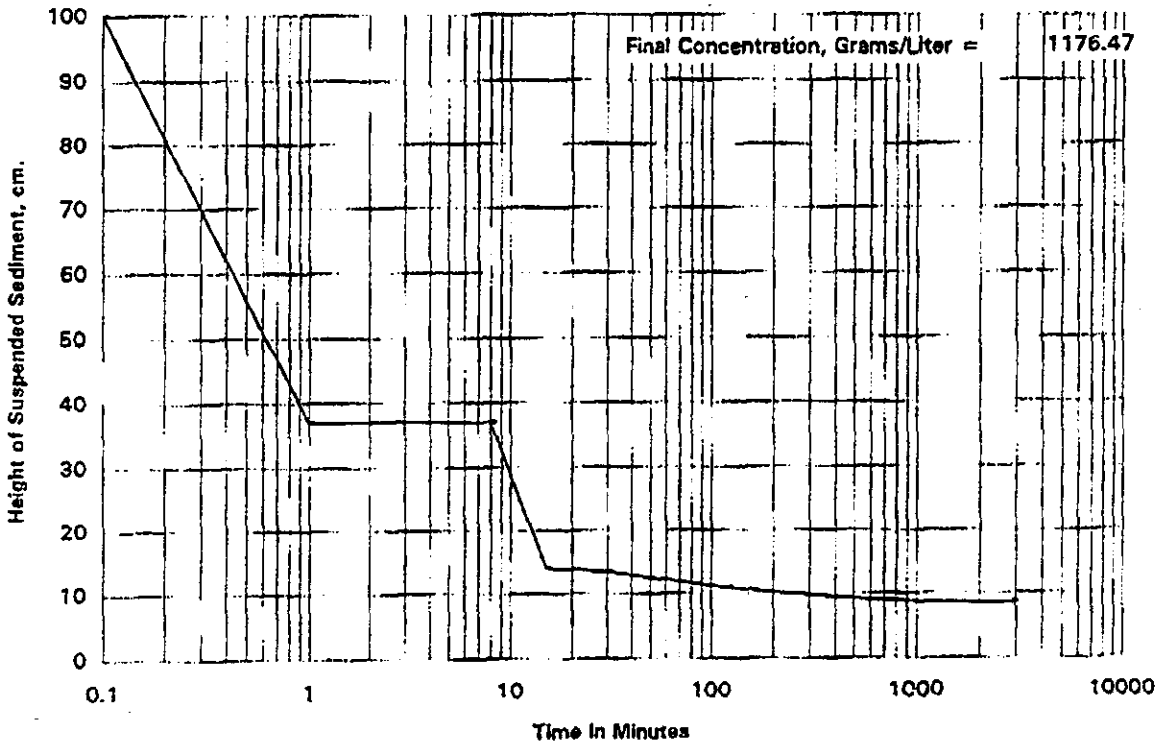



NOTES:
1. Test specimens (100 grams/ liter ,moist weight of specimen) suspended in sea water(salinity about 11 ppT) in 100 cm. long bottom withdrawal tubes.
2. Suspended sediment-time curves represent the contact surface between the sediment still in suspension and the "clear" water on top at the elapsed time indicated.
3. See grain-size data on enclosed gradation curve.
4. Percent Solids = 78.93

| | | | |
|---|---|---|---|
| PROJECT | JACKSONVILLE DISTRICT | REQ'N NO. | 8207 |
| | | W.O. NO. | W32CS570875212 |
| AREA | PONCE DE LEON INLET, FLA. | DATE RECEIVED | 1 APRIL, 1997 |
| | | DATE REPORTED | 22-Apr-97 |
| BORING NO. | CB-PI-1A | ELEVATION | -12.5 / -14.0 |
| SAMPLE NO. | 2 | LAB NO. | 73/7729 |

U.S. ARMY CORPS OF ENGINEERS
SOUTH ATLANTIC DIVISION LABORATORY
MARIETTA, GEORGIA

## SUSPENDED SEDIMENT-TIME CURVE

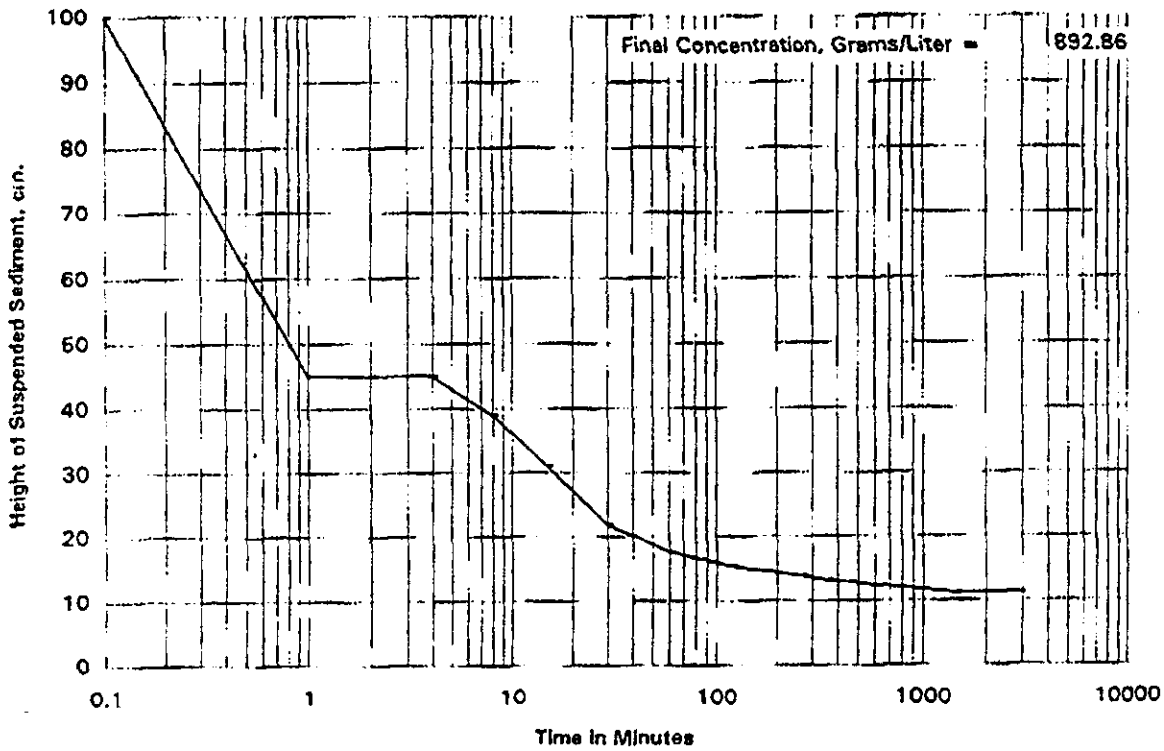



NOTES:
1. Test specimens (100 grams/ liter ,moist weight of specimen) suspended in sea water(salinity about 16 ppT) in 100 cm. long bottom withdrawal tubes.
2. Suspended sediment-time curves represent the contact surface between the sediment still in suspension and the "clear" water on top at the elapsed time indicated.
3. See grain-size data on enclosed gradation curve.
4. Percent Solids = 78.80

| | | | |
|---|---|---|---|
| PROJECT | JACKSONVILLE DISTRICT | REQ'N NO. | 8207 |
| | | W.O. NO. | W32CS570875212 |
| AREA | PONCE DE LEON INLET, FLA. | DATE RECEIVED | 1 APRIL, 1997 |
| | | DATE REPORTED | 22-Apr-97 |
| BORING NO. | CB-PI-3 | ELEVATION | -16.1 / -17.6 |
| SAMPLE NO. | 2 | LAB NO. | 73/7731 |

U.S. ARMY CORPS OF ENGINEERS
SOUTH ATLANTIC DIVISION LABORATORY
MARIETTA, GEORGIA

## SUSPENDED SEDIMENT-TIME CURVE

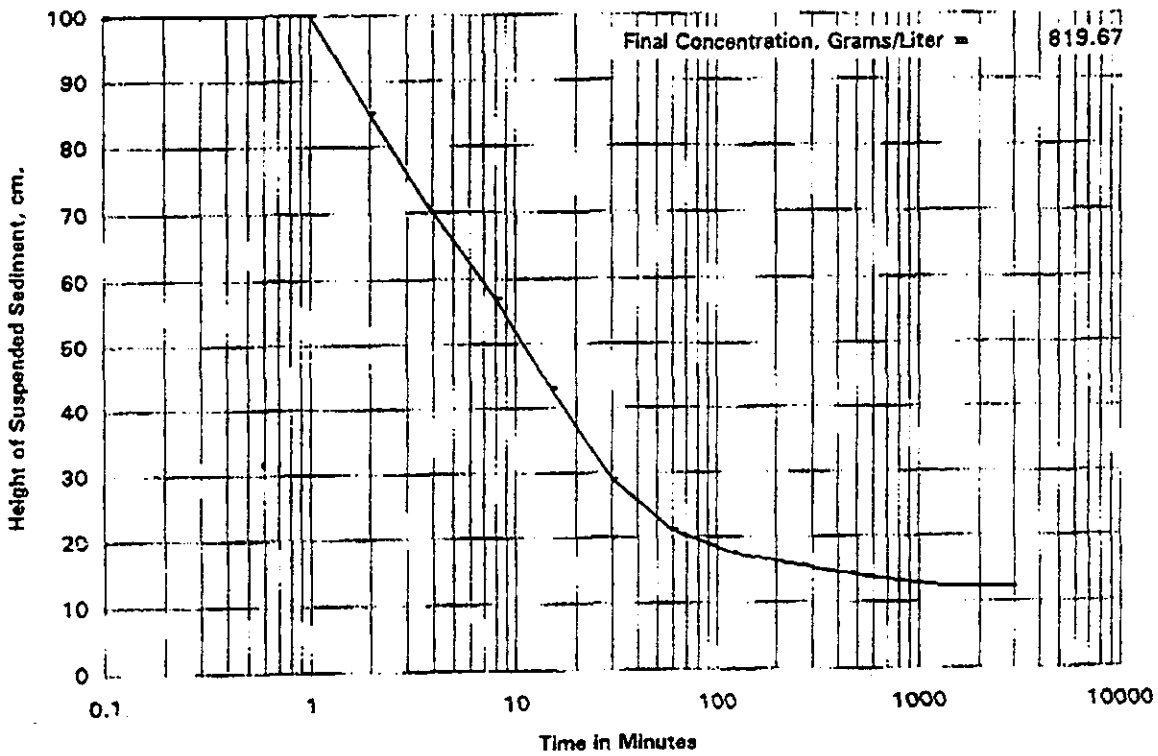



NOTES:
1. Test specimens (100 grams/ liter ,moist weight of specimen) suspended in sea water(salinity about 16 ppT) in 100 cm. long bottom withdrawal tubes.
2. Suspended sediment-time curves represent the contact surface between the sediment still in suspension and the "clear" water on top at the elapsed time indicated.
3. See grain-size data on enclosed gradation curve.
4. Percent Solids = 72.57

| | | | |
|---|---|---|---|
| PROJECT | JACKSONVILLE DISTRICT | REQ'N NO. | 8207 |
| | | W.O. NO. | W32CS570875212 |
| AREA | PONCE DE LEON INLET, FLA. | DATE RECEIVED | 1 APRIL, 1997 |
| | | DATE REPORTED | 22-Apr-97 |
| BORING NO. | CB-PI-4 | ELEVATION | -14.5 / -16.0 |
| SAMPLE NO. | 1 | LAB NO. | 73/7732 |

U.S. ARMY CORPS OF ENGINEERS
SOUTH ATLANTIC DIVISION LABORATORY
MARIETTA, GEORGIA

## SUSPENDED SEDIMENT-TIME CURVE

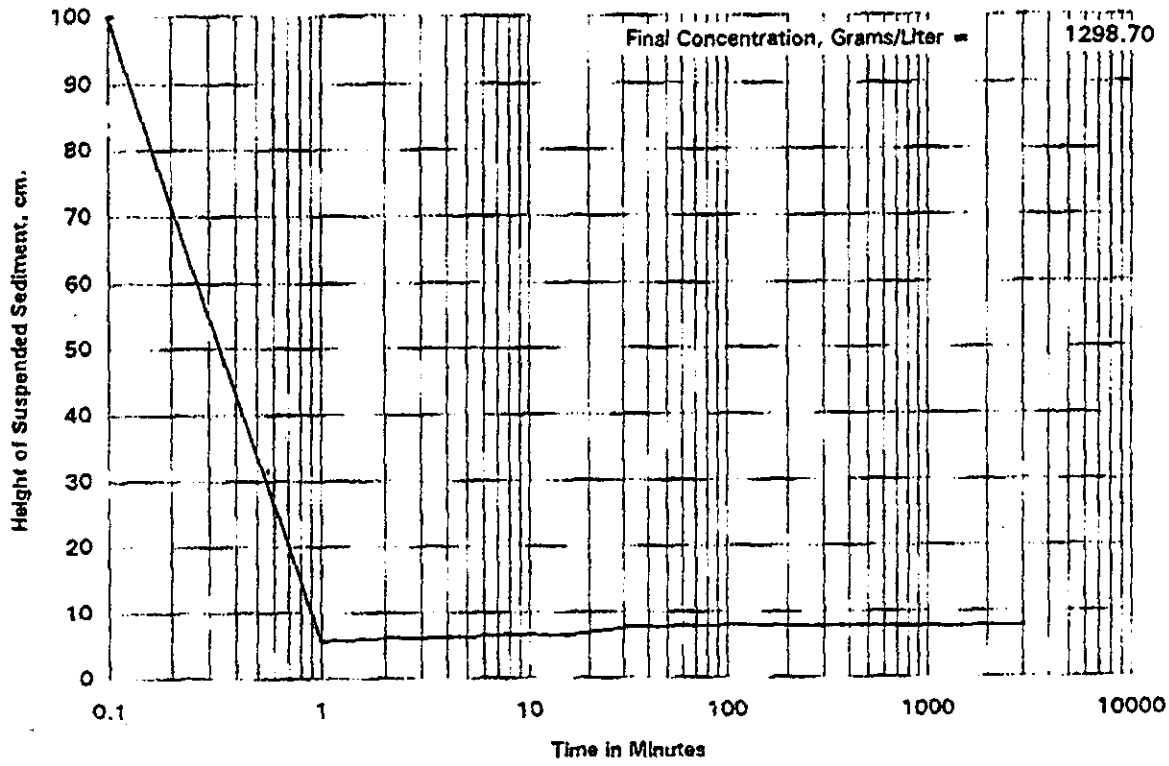



NOTES:
1. Test specimens (100 grams/ liter ,moist weight of specimen) suspended in sea water(salinity about 16 ppT) in 100 cm. long bottom withdrawal tubes.
2. Suspended sediment-time curves represent the contact surface between the sediment still in suspension and the "clear" water on top at the elapsed time indicated.
3. See grain-size data on enclosed gradation curve.
4. Percent Solids = 68.45

| | | | |
|---|---|---|---|
| PROJECT | JACKSONVILLE DISTRICT | REQ'N NO. | 8207 |
| | | W.O. NO. | W32CS570875212 |
| AREA | PONCE DE LEON INLET, FLA. | DATE RECEIVED | 1 APRIL, 1997 |
| | | DATE REPORTED | 22-Apr-97 |
| BORING NO. | CB-PI-6 | ELEVATION | -11.0 / -12.5 |
| SAMPLE NO. | 1 | LAB NO. | 73/7793 |

U.S. ARMY CORPS OF ENGINEERS
SOUTH ATLANTIC DIVISION LABORATORY
MARIETTA, GEORGIA

## SUSPENDED SEDIMENT-TIME CURVE

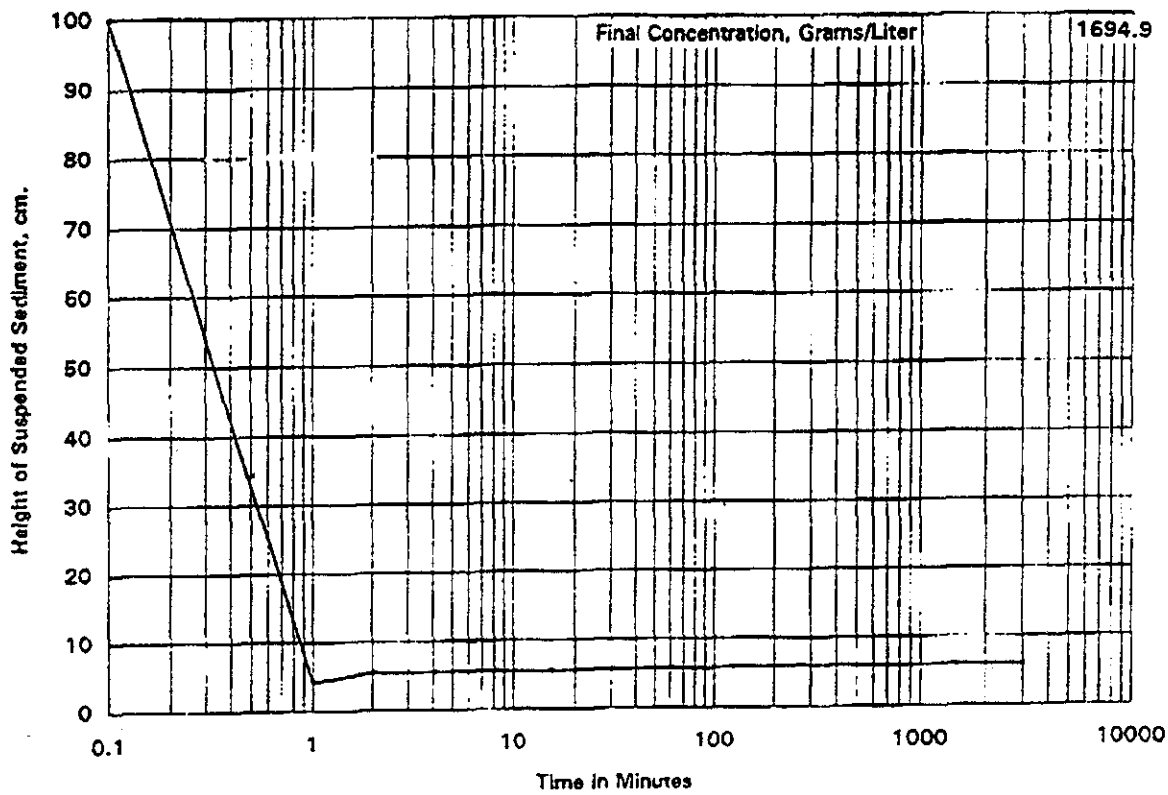



NOTES:
1. Test specimens (100 grams/ liter ,moist weight of specimen) suspended in sea water(salinity about 16 ppT) in 100 cm. long bottom withdrawal tubes.
2. Suspended sediment-time curves represent the contact surface between the sediment still in suspension and the "clear" water on top at the elapsed time indicated.
3. See grain-size data on enclosed gradation curve.
4. Percent Solids = 78.99

| | | | |
|---|---|---|---|
| PROJECT | JACKSONVILLE DISTRICT | REQ'N NO. | 8207 |
| | | W.O. NO. | W32CS570875212 |
| AREA | PONCE DE LEON INLET, FLA. | DATE RECEIVED | 1 APRIL, 1997 |
| | | DATE REPORTED | 22-Apr-97 |
| BORING NO. | CB-PI-8 | ELEVATION | -7.4 / -8.9 |
| SAMPLE NO. | 1 | LAB NO. | 73/7735 |

U.S. ARMY CORPS OF ENGINEERS
SOUTH ATLANTIC DIVISION LABORATORY
MARIETTA, GEORGIA

## SUSPENDED SEDIMENT-TIME CURVE

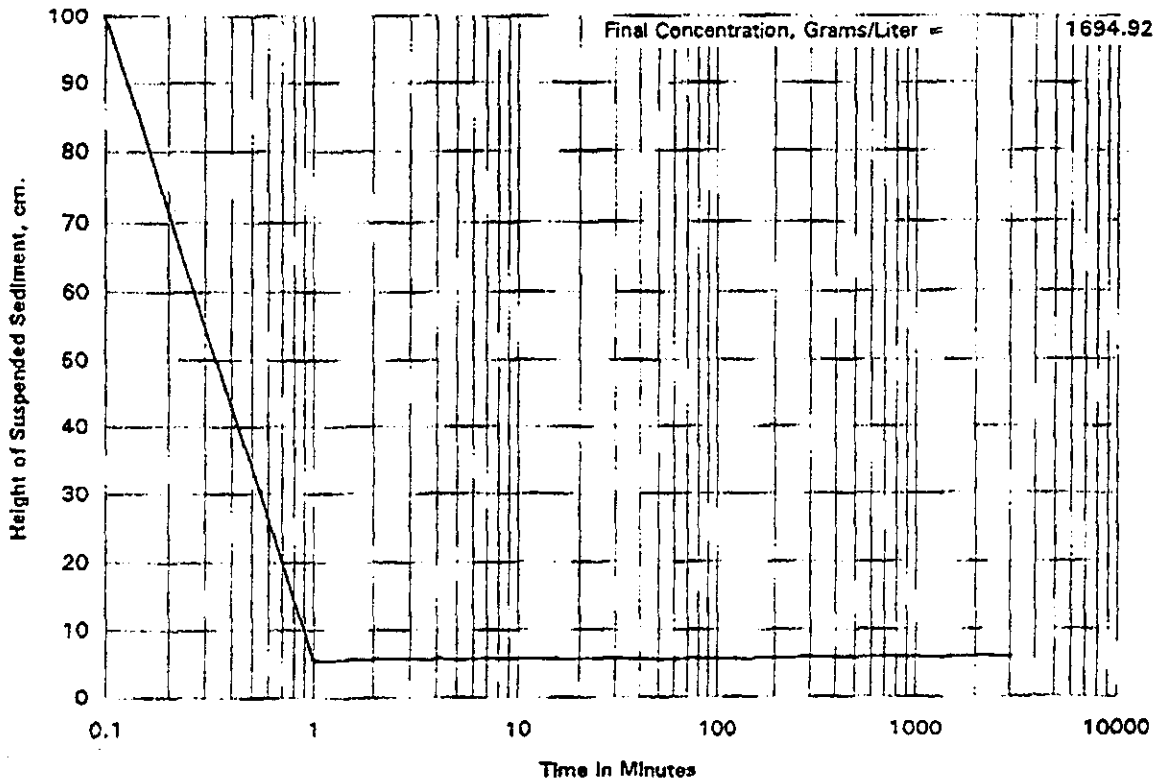



NOTES: 1. Test specimens (100 grams/ liter ,moist weight of specimen) suspended in sea water(salinity about 16 ppT) in 100 cm. long bottom withdrawal tubes.
2. Suspended sediment-time curves represent the contact surface between the sediment still in suspension and the "clear" water on top at the elapsed time indicated.
3. See grain-size data on enclosed gradation curve.
4. Percent Solids = 80.45

| | | | |
|---|---|---|---|
| PROJECT | JACKSONVILLE DISTRICT | REQ'N NO. | W32CS570875212 |
| | | W.O. NO. | 8207 |
| AREA | PONCE DE LEON INLET, FLA. | DATE RECEIVED | 1 APRIL, 1997 |
| | | DATE REPORTED | 17-Apr-97 |
| BORING NO. | CB-PI-9 | ELEVATION | -15.6 / -17.1 |
| SAMPLE NO. | 4 | LAB NO. | 73/7738 |

U.S. ARMY CORPS OF ENGINEERS
SOUTH ATLANTIC DIVISION LABORATORY
MARIETTA, GEORGIA

## SUSPENDED SEDIMENT-TIME CURVE




NOTES:
1. Test specimens (100 grams/ liter ,moist weight of specimen) suspended in sea water(salinity about 16 ppT) in 100 cm. long bottom withdrawal tubes.
2. Suspended sediment-time curves represent the contact surface between the sediment still in suspension and the "clear" water on top at the elapsed time indicated.
3. See grain-size data on enclosed gradation curve.
4. Percent Solids = 80.39

| | | | |
|---|---|---|---|
| PROJECT | JACKSONVILLE DISTRICT | REQ'N NO. | 8207 |
| | | W.O. NO. | W32CS570875212 |
| AREA | PONCE DE LEON INLET, FLA. | DATE RECEIVED | 1 APRIL, 1997 |
| | | DATE REPORTED | 22-Apr-97 |
| BORING NO. | CB-PI-11 | ELEVATION | -11.6 / -13.1 |
| SAMPLE NO. | 1 | LAB NO. | 73/7739 |

Hole No.CB-PLI-7

# DRILLING LOG

DIVISION: South Atlantic

INSTALLATION: Jacksonville District

SHEET 1 OF 3

1. PROJECT: Ponce DeLeon Inlet
2. LOCATION (Coordinates or Station): X=523,595 Y=1723,816
3. DRILLING AGENCY: Corps of Engineers
4. HOLE NO. (As shown on drawing title and file number): CB-PLI-7
5. NAME OF DRILLER: L.C. Gregory
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED
7. THICKNESS OF BURDEN: 0 Ft.
8. DEPTH DRILLED INTO ROCK: 0 Ft.
9. TOTAL DEPTH OF HOLE: 29.5 Ft.
10. SIZE AND TYPE OF BIT: See Remarks
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MLW
12. MANUFACTURER'S DESIGNATION OF DRILL: ACKER on WB-33
13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN: disturbed: 1 undisturbed: 0
14. TOTAL NUMBER OF CORE BOXES: 1
15. ELEVATION GROUND WATER: N/A
16. DATE HOLE STARTED: 01/31/96 COMPLETED: 02/01/96
17. ELEVATION TOP OF HOLE: -5.0 Ft.
18. TOTAL CORE RECOVERY FOR BORING: 52 %
19. SIGNATURE OF GEOLOGIST: M. Marty Goff

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS | BLOWS/6" |
|---|---|---|---|---|---|---|---|
| -5.0 | .0 | | | | | -5.0 | |
| | | | SAND, little clay, fine grained quartz, dark gray, organic odor (SP-SC) | | | | Settle, 6, 10 |
| | | | | | | -6.5 | settle, settle, settle, 17, 9, 14, 20 |
| | | | | 33 | 1 | SPLIT SPOON | 30, 41, 25 |
| | | | | | | -11.5 | |
| | | | | N/R | 2 | SPLIT SPOON | 51, 31, 10 |
| -13.0 | 8.0 | | | | | -13.0 | |
| | | | SAND, fine grained quartz, trace clay to -8.5, gray. (SP) | 53 | 3 | SPLIT SPOON | 34, 32, 37 |
| | | | CLEAN, trace medium grain shell fragments | | | -14.5 | |
| | | | | 47 | 4 | SPLIT SPOON | 44, 37, 6 |
| | | | | | | -16.0 | |
| | | | | 47 | 5 | SPLIT SPOON | 9, 18, 18 |
| | | | | | | -17.5 | |
| | | | | 80 | 6 | SPLIT SPOON | 11, 9, 17 |
| | | | | | | -19.0 | |
| | | | | 73 | 7 | SPLIT SPOON | 10, 104, settle |
| | | | | | | -20.5 | |
| | | | | N/R | 8 | SPLIT SPOON | 4, 5, 3 |
| | | | | | | -22.0 | |
| | | | Color change to greenish to gray. | 60 | 9 | SPLIT SPOON | 7, 9, 8 |
| | | | | | | -23.5 | |
| | | | Some coarse grain to gravel size shell fragments below -19.5. Trace shell fragments below -20.0. | 100 | 10 | SPLIT SPOON | 16, 17, 20 |
| | | | | | | -25.0 | |
| | | | | 53 | 11 | SPLIT SPOON | 19, 25, washed |
| | | | | | | -26.5 | |
| | | | Some sand to gravel size shell fragments. | 67 | 12 | SPLIT SPOON | 10, 15 |

0 · 2.5 · 5 · 7.5 · 10 · 12.5 · 15 · 17.5 · 20 · 22.5

(continued)

Hole No.CB-PLI-7

# DRILLING LOG (Cont. Sheet)

ELEVATION TOP OF HOLE -5.0 Ft.

SHEET 2 OF 3

PROJECT: Ponce DeLeon Inlet

INSTALLATION: Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC. % | SAMPLE NUMBER | REMARKS | BLOWS/6" |
|---|---|---|---|---|---|---|---|
| -27.5 | 22.5 | | | | | | |
| -28.0 | 23.0 | | | 67 | 12 | -28.0 SPLIT SPOON | 21 |
| | | | SAND, composed, mainly of fine to coarse sized shell fragments with some fine grain quartz sand, gray. Trace gravel size shell fragments. (SP) 80% fine grain quartz with 20% coarse grain shell, trace silt. (SP) | 47 | 13 | SPLIT SPOON -29.5 | 22 28 31 |
| | | | | 53 | 14 | SPLIT SPOON -31.0 | |
| -31.5 | 26.5 | | | | | -31.5 | |
| | | | | 67 | 15 | SPLIT SPOON -33.0 | |
| | | | SAND, fine grain quartz with some coarse shell fragments, trace silt, (SP) | 67 | 16 | SPLIT SPOON -34.5 | |
| -34.5 | 29.5 | | | | | | |

NOTE:

Soils are field visually classified in accordance with the Unified Soils Classification System.

140# Hammer with 30" drop Used on 2.0' Split Spoon. (1 3/8" I.D. X 2" O.D.)

22.5 25 27.5 30 32.5 35 37.5 40 42.5 45 47.5 50

(continued)

Hole No.CB-PLI-7

# DRILLING LOG (Cont. Sheet)

ELEVATION TOP OF HOLE: -5.0 Ft.

SHEET 3 OF 3

PROJECT: Ponce DeLeon Inlet

INSTALLATION: Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS | BLOWS/ .5' |
|---|---|---|---|---|---|---|---|
| -55.0 | 50.0 | | | | | | |

50
52.5
55
57.5
60
62.5
65
67.5
70
72.5
75
77.5

Hole No.CB-PDLJ-2

| DRILLING LOG | DIVISION South Atlantic | INSTALLATION Jacksonville District | SHEET 1 OF 3 |
|---|---|---|---|

| | |
|---|---|
| 1. PROJECT Ponce De Leon Inlet | 10. SIZE AND TYPE OF BIT See Remarks |
| 2. LOCATION (Coordinates or Station) X=52885,818 Y=172297,567 | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) Fishtail MLW |
| 3. DRILLING AGENCY Savannah District | 12. MANUFACTURER'S DESIGNATION OF DRILL Failing 314 |
| 4. HOLE NO. (As shown on drawing title and file number) CB-PDLJ-2 | 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 33 undisturbed: 0 |
| 5. NAME OF DRILLER C. Robbins | 14. TOTAL NUMBER OF CORE BOXES 0 |
| 6. DIRECTION OF HOLE ☒ VERTICAL ☐ INCLINED | 15. ELEVATION GROUND WATER |
| | 16. DATE HOLE STARTED 02/23/96 COMPLETED 02/23/96 |
| 7. THICKNESS OF BURDEN 55.3 Ft. | 17. ELEVATION TOP OF HOLE -6.6 Ft. |
| 8. DEPTH DRILLED INTO ROCK 0 Ft. | 18. TOTAL CORE RECOVERY FOR BORING 80 % |
| 9. TOTAL DEPTH OF HOLE 55.3 Ft. | 19. SIGNATURE OF GEOLOGIST J. AUTHOR, P.G. |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -6.6 | .0 | | | | | -6.6 | |
| | | | LIGHT GRAY FINE, poorly graded quartz sand. (SP) | 33 | 1 | Split Spoon -8.1 | 10 8 7 |
| | | | | 53 | 2 | Split Spoon -9.6 | 12 13 21 |
| | | | | 67 | 3 | Split Spoon -11.1 | 13 15 15 |
| -11.1 | 4.5 | | | | | | |
| | | | Trace of small shell fragments. | 73 | 4 | Split Spoon -12.6 | 13 13 13 |
| -12.6 | 6.0 | | | | | | |
| | | | Some small shell fragments. | 60 | 5 | Split Spoon -14.1 | 17 19 17 |
| | | | | 53 | 6 | Split Spoon -15.6 | 15 14 13 |
| | | | | 60 | 7 | Split Spoon -17.1 | 12 23 27 |
| | | | | 53 | 8 | Split Spoon -18.6 | 17 20 20 |
| | | | | 53 | 9 | Split Spoon -20.1 | 10 12 22 |
| | | | | 53 | 10 | Split Spoon -21.6 | 16 20 18 |
| | | | | 67 | 11 | Split Spoon -23.1 | 10 24 30 |
| | | | | 53 | 12 | Split Spoon -24.6 | 7 13 22 |
| | | | | 53 | 13 | Split Spoon -26.1 | 10 17 24 |
| | | | | 60 | 14 | Split Spoon -27.6 | 12 22 24 |
| -27.6 | 21.0 | | | | | | |
| | | | GRAY, trace of small shell fragments. | 80 | 15 | Split Spoon -29.1 | 20 30 35 |
| | | | | | | (continued) | |

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5

Hole No.CB-PDLJ-2

# DRILLING LOG (Cont. Sheet)

ELEVATION TOP OF HOLE -6.6 Ft.

SHEET 2 OF 3

PROJECT: Ponce De Leon Inlet

INSTALLATION: Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/.5' |
|---|---|---|---|---|---|---|---|
| -29.1 | 22.5 | | | | | -29.1 | |
| | | | | 73 | 16 | Split Spoon | 15, 27, 30 |
| | | | | | | -30.6 | |
| | | | | 73 | 17 | Split Spoon | 22, 28, 27 |
| | | | | | | -32.1 | |
| | | | | 73 | 18 | Split Spoon | 27, 48, 47 |
| | | | | | | -33.6 | |
| | | | | 85 | 19 | Split Spoon | 30, 53, 47 |
| | | | | | | -35.1 | |
| | | | | 67 | 20 | Split Spoon | 39, 50, 49 |
| | | | | | | -36.6 | |
| | | | GRAY FINE poorly grades quartz sand, trace so small shell fragments. (SP) | 92 | 21 | Split Spoon | 66, 69, 31 |
| | | | | | | -38.1 | |
| | | | | 80 | 22 | Split Spoon | 30, 21, 15 |
| | | | | | | -39.6 | |
| | | | Trace of silt | 87 | 23 | Split Spoon | 17, 37, 39 |
| | | | | | | -41.1 | |
| | | | | 53 | 24 | Split Spoon | 25, 25, 15 |
| -42.6 | 36.0 | | | | | -42.6 | |
| | | | GRAY FINE CLAYEY quartz sand, trace of small shell fragments (SC) | 87 | 25 | Split Spoon | 18, 15, 15 |
| | | | | | | -44.1 | |
| | | | | 47 | 26 | Split Spoon | 23, 14, 11 |
| -45.6 | 39.0 | | | | | -45.6 | |
| | | | GRAY FAT CLAY, some fine quartz sand and small shell fragments. | 40 | 27 | Split Spoon | 7, 2, 2 |
| -47.1 | 40.5 | | | | | -47.1 | |
| | | | Trace of fine quartz sand and small shell fragments. | 38 | 28 | Weight of Rods Drove splitspoon From 40.5' to 43.1' | 0, 0, 0 |
| | | | | | | -48.6 | |
| | | | | 60 | 29 | Weight of Hammer Drove Splitspoon From, 44.6' to 47.0' and 47.0' to 48.6' | 3, 4, 6 |
| -49.7 | 43.1 | | | | | -50.1 | |
| | | | No sand or shell fragments. | 71 | 30 | Split Spoon | 0, 0, 0 |
| | | | | | | -51.6 | |
| | | | | 100 | 31 | Split Spoon | 0, 0, 0 |
| | | | | | | -53.1 | |
| | | | | 80 | 32 | Split Spoon | 0, 9, 8 |
| | | | | | | -54.6 | |
| -55.2 | 48.6 | | | | | | |
| | | | Trace of fine quartz sand and small shell fragments. | 87 | 33 | Split Spoon | 8, 12, 13 |
| | | | | | | -56.1 | |
| | | | | | | (continued) | |

22.5 25 27.5 30 32.5 35 37.5 40 42.5 45 47.5 50

ENG FORM 1836 MAR 71 PREVIOUS EDITIONS ARE OBSOLETE.

PROJECT: Ponce De Leon Inlet

HOLE NUMBER: CB-PDLJ-2

Hole No.CB-PDLJ-2

# DRILLING LOG (Cont. Sheet)

ELEVATION TOP OF HOLE -6.6 Ft.

SHEET 3 OF 3

PROJECT: Ponce De Leon Inlet

INSTALLATION: Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/ .6' |
|---|---|---|---|---|---|---|---|
| ~~-56.6~~ | ~~50.0~~ | | | | | | |
| -58.2 | 51.6 | | GRAY AND LIGHT GRAY, some brown streaks, trace of fine to coarse calcareous sand. | | | | |
| | | | WASH | | | | |
| | | | NOTES:<br>1. Soils are field visually classified in accordance with the Unified Soils Classification System. | | | 140# Hammer with 30" drop used 2.0' split spoon (1 3/8" I.D. X 2" O. D.) | |

50
52.5
55
57.5
60
62.5
65
67.5
70
72.5
75
77.5

ENG FORM 1836 PREVIOUS EDITIONS ARE OBSOLETE. MAR 71

PROJECT: Ponce De Leon Inlet

HOLE NUMBER: CB-PDLJ-2

Hole No.CB-PDLJ-3

# DRILLING LOG

| | |
|---|---|
| DIVISION | South Atlantic |
| INSTALLATION | Jacksonville District |
| SHEET | 1 OF 2 |
| 1. PROJECT | Ponce De Leon Inlet |
| 2. LOCATION (Coordinates or Station) | X=52835,373 Y=172296,608 |
| 3. DRILLING AGENCY | Savannah District |
| 4. HOLE NO. (As shown on drawing title and file number) | CB-PDLJ-3 |
| 5. NAME OF DRILLER | C. Robbins |
| 6. DIRECTION OF HOLE | ☒ VERTICAL ☐ INCLINED |
| 7. THICKNESS OF BURDEN | 36.0 Ft. |
| 8. DEPTH DRILLED INTO ROCK | 0 Ft. |
| 9. TOTAL DEPTH OF HOLE | 36.0 Ft. |
| 10. SIZE AND TYPE OF BIT | See Remarks |
| 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) | Fishtail MLW |
| 12. MANUFACTURER'S DESIGNATION OF DRILL | Failing 314 |
| 13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN | disturbed: 24 undisturbed: 0 |
| 14. TOTAL NUMBER OF CORE BOXES | 0 |
| 15. ELEVATION GROUND WATER | |
| 16. DATE HOLE | STARTED 02/22/96 COMPLETED 02/22/96 |
| 17. ELEVATION TOP OF HOLE | -7.5 Ft. |
| 18. TOTAL CORE RECOVERY FOR BORING | 78 % |
| 19. SIGNATURE OF GEOLOGIST | J. AUTHOR, P.G. |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/6" | |
|---|---|---|---|---|---|---|---|---|
| -7.5 | .0 | | | | | -7.5 | | 0 |
| | | | Light gray fine poorly graded quartz sand (SP) | 73 | 1 | Split Spoon | 31 49 15 | |
| | | | | | | -9.0 | | |
| | | | | 47 | 2 | Split Spoon | 17 14 18 | 2.5 |
| | | | | | | -10.5 | | |
| | | | | 53 | 3 | Split Spoon | 15 17 14 | |
| -12.0 | 4.5 | | | | | -12.0 | | |
| | | | Trace of small shell gragments | 53 | 4 | Split Spoon | 11 15 16 | 5 |
| -13.5 | 6.0 | | | | | -13.5 | | |
| | | | Some small shell fragments | 60 | 5 | Split Spoon | 13 16 17 | |
| | | | | | | -15.0 | | 7.5 |
| | | | | 60 | 6 | Split Spoon | 10 17 18 | |
| | | | | | | -16.5 | | |
| | | | | 53 | 7 | Split Spoon | 16 20 25 | 10 |
| | | | | | | -18.0 | | |
| | | | | 67 | 8 | Split Spoon | 14 23 30 | |
| | | | | | | -19.5 | | |
| | | | | 73 | 9 | Split Spoon | 17 29 39 | 12.5 |
| -21.0 | 13.5 | | | | | -21.0 | | |
| | | | Trace of small shell fragments | 73 | 10 | Split Spoon | 17 30 31 | |
| | | | | | | -22.5 | | 15 |
| | | | | 80 | 11 | Split Spoon | 14 31 52 | |
| | | | | | | -24.0 | | |
| | | | | 73 | 12 | Split Spoon | 29 40 35 | 17.5 |
| -25.5 | 18.0 | | | | | -25.5 | | |
| | | | No shell fragments | 73 | 13 | Split Spoon | 25 42 41 | |
| | | | | | | -27.0 | | |
| | | | | 73 | 14 | Split Spoon | 28 41 45 | 20 |
| | | | | | | -28.5 | | |
| | | | | 80 | 15 | Split Spoon | 24 29 28 | |
| | | | | | | -30.0 | | 22.5 |

(continued)

Hole No.CB-PDLJ-3

# DRILLING LOG (Cont. Sheet)

ELEVATION TOP OF HOLE: -7.5 Ft.

SHEET 2 OF 2

PROJECT: Ponce De Leon Inlet

INSTALLATION: Jacksonville District

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS Bit or Barrel | BLOWS/6" |
|---|---|---|---|---|---|---|---|
| -30.0 | 22.5 | | | | | -30.0 | |
| | | | | 80 | 16 | Split Spoon -31.5 | 20 24 26 |
| | | | | 73 | 17 | Split Spoon -33.0 | 14 20 31 |
| -33.0 | 25.5 | | Gray | | | | |
| | | | | 67 | 18 | Split Spoon -34.5 | 17 32 33 |
| | | | | 67 | 19 | Split Spoon -36.0 | 27 48 50 |
| | | | | 92 | 20 | Split Spoon -37.5 | 47 60 40 |
| | | | | 58 | 21 | Split Spoon -39.0 | 50 75 25 |
| -39.0 | 31.5 | | Trace of silt and small shell fragments | | | | |
| | | | | 80 | 22 | Split Spoon -40.5 | 18 38 43 |
| | | | | 77 | 23 | Split Spoon -42.0 | 23 62 38 |
| | | | | 53 | 24 | Split Spoon -43.5 | 26 30 26 |
| -43.5 | 36.0 | | | | | | |

NOTES:
1. Soils are field visually classified in accordance with the Unified Soils Classification System.

140# Hammer with 30" drop used 2.0' split spoon (1 3/8" I.D. X 2" O. D.)

22.5 25 27.5 30 32.5 35 37.5 40 42.5 45 47.5 50