

STATION LOG

Date ⁰³ ~~00~~ / VII / 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 01

Latitude _____ Longitude _____ Sea 2-3'

Location PACIFIC OCEAN OFF OAXACA, MEX.; INTRA TRENCH BASIN

Bottom Topography FLAT

No. and Depth of Sub-bottom Reflections FEW & VERY DISCONTINUOUS

CORE LOG

Core No. 01 *****

Length of Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. of Pipes 2
 Length Trigger Line 64 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.
 Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness $\frac{1}{4}$ in.

Time (Z) +5 (ship's local time for coring leg = Galveston local time) *****

Time Lowered 0114 Z PDR Depth 2747 fm. Nature of Hit GOOD

Time Messenger 0126 Z Counter Depth 500 fm. Wire Out at Hit 2822

Time Hit 0228 Z PDR Depth 2747 fm. Wire Angle at Hit 0°

Time Surfaced 0438 Z PDR Depth 2748 fm. Pull Out EASY

Depth of Penetration ~175 cm. Trigger Core Length 0 cm.

Mud on Piston - yes _____ no ☒ Core Oriented - yes ☒ no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) lower pipe bent 30° at midpoint;
 upper pipe bent slightly at 3' from pipe-pipe coupling; CE was ok.

Method of Extrusion Liner Number of Liners Filled $\frac{1}{2}$

Total Core Length 175 cm. Estimate Good Core 175 cm. Flow-in 0 cm.

REMARKS: Only slight deflection of accumulator springs noted as core rig hit bottom.

STATION LOG

Date 06 / VII / 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 02Latitude _____ Longitude _____ Sea 1-2'Location PACIFIC OCEAN OFF OAXACA, MEX; ^{WESTERN} CANYON WALL OFF RIO DULCEBottom Topography RISING GENTLY UP SIDE OF CANYONNo. and Depth of Sub-bottom Reflections FEW & DISCONTINUOUS

CORE LOG

Core No. 02 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 1323 Z PDR Depth 720 fm. Nature of Hit GOODTime Messenger 1327 Z Counter Depth 200 fm. Wire Out at Hit 811Time Hit 1340 Z PDR Depth 670 fm. Wire Angle at Hit 0°Time Surfaced 1430 Z PDR Depth 628 fm. Pull Out MODERATE

Depth of Penetration — cm. Trigger Core Length 12 cm.Mud on Piston - yes — no / Core Oriented - yes — no /Condition of Cutting Edge and Pipe (Pipes bent? Where?) —Method of Extrusion Liner Number of Liners Filled —Total Core Length — cm. Estimate Good Core — cm. Flow-in — cm.

Remarks: Core consists of few volcanic rock fragments wedged in the CE & catcher.

Note: D1 taken simultaneously with this piston core & rocks were retrieved (see Dredge Log D1)

STATION LOG

Date 06 / VII / 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 03Latitude _____ Longitude _____ Sea 1'-2'Location PACIFIC OCEAN OFF OAXACA, MEX; ^{EAST} ~~WALL~~ WALL OF CANYON OFF RIO DULCEBottom Topography RISING SHARPLY TO MODERATELY (VARIABLE)No. and Depth of Sub-bottom Reflections FEW & DISCONTINUOUS

CORE LOG

Core No. 03 *****

Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1
 Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.
 Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 1640 Z PDR Depth 690 fm. Nature of Hit GOOD
 Time Messenger 1645 Z Counter Depth 200 fm. Wire Out at Hit 784
 Time Hit 1700 Z PDR Depth 683 fm. Wire Angle at Hit 0°
 Time Surfaced 1750 Z PDR Depth 624 fm. Pull Out EASY

Depth of Penetration 265 cm. Trigger Core Length 40 cm.
 Mud on Piston - yes _____ no / Core Oriented - yes / no _____
 Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1/2
 Total Core Length 172 cm. Estimate Good Core 172 cm. Flow-in 0 cm.

Remarks : Dredge D2 simultaneously with this piston core, but no material recovered (see Dredge Log D2)

STATION LOG

Date 06 / IV / 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 04

Latitude _____ Longitude _____ Sea _____

Location PACIFIC OCEAN OFF MEXICO - OAXACA; UPPER SHELFBottom Topography FLATNo. and Depth of Sub-bottom Reflections NONE

CORE LOG

Core No. 04 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 2010 Z PDR Depth 50 fm. Nature of Hit GOODTime Messenger 2011 Z Counter Depth 18 fm. Wire Out at Hit 40Time Hit 2012 Z PDR Depth 50 fm. Wire Angle at Hit 30Time Surfaced 2013 Z PDR Depth 50 fm. Pull Out EASY

Depth of Penetration 590 cm. Trigger Core Length 35 cm.Mud on Piston - yes no / Core Oriented - yes no /

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1 1/2Total Core Length 360 cm. Estimate Good Core 360 cm. Flow-in 0 cm.

STATION LOG

Date 06/14/78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 05Latitude _____ Longitude _____ Sea 1-2'Location PACIFIC OCEAN OFF OAXACA, MEX; SHELFBottom Topography RISING GRADUALLYNo. and Depth of Sub-bottom Reflections CONTINUOUS SHALLOW & DISCONTINUOUS DEEPER REFLECTORS

CORE LOG

Core No. 05 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 2139 PDR Depth 435 fm. Nature of Hit GOODTime Messenger 2142 Counter Depth 100 fm. Wire Out at Hit 427Time Hit 2149 PDR Depth 418 fm. Wire Angle at Hit 2°Time Surfaced 2204 PDR Depth 400 fm. Pull Out EASY

Depth of Penetration 515 cm. Trigger Core Length 42 cm.Mud on Piston - yes _____ no / Core Oriented - yes / no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1 1/2Total Core Length 380 cm. Estimate Good Core 380 cm. Flow-in 0 cm.

STATION LOG

Date 06, IV, 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 06Latitude _____ Longitude _____ Sea 1-2'Location PACIFIC OCEAN OFF OAXACA, MEX; UPPER SHELFBottom Topography FLATNo. and Depth of Sub-bottom Reflections NONE

CORE LOG

Core No. 06 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 2357 PDR Depth 56 fm. Nature of Hit GOODTime Messenger 2358 Counter Depth 10 fm. Wire Out at Hit 49Time Hit 2359 PDR Depth 59 fm. Wire Angle at Hit 20Time Surfaced 0003 PDR Depth 59 fm. Pull Out EASY

Depth of Penetration 350 cm. Trigger Core Length _____ cm.Mud on Piston - yes _____ no / Core Oriented - yes / no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1 1/2Total Core Length 343 cm. Estimate Good Core 343 cm. Flow-in 0 cm.

STATION LOG

Date 07/VII/78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 07Latitude _____ Longitude _____ Sea 1'-3'Location PACIFIC OCEAN OFF OAXACA, MEX; EASTERNMOST CANYON OFF RIO VERDEBottom Topography DROPPING GENTLY TOWARDS AXISNo. and Depth of Sub-bottom Reflections FEW, DIPPING DISCONTINUOUS

CORE LOG

Core No. 07 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) 15

Time Lowered 1338 Z PDR Depth 479 fm. Nature of Hit GOODTime Messenger 1343 Z Counter Depth 200 fm. Wire Out at Hit 505Time Hit 1351 Z PDR Depth 482 fm. Wire Angle at Hit 3°Time Surfaced 1445 Z PDR Depth 506 fm. Pull Out MODERATE TO HARD

Depth of Penetration 470 cm. Trigger Core Length 31 cm.Mud on Piston - yes _____ no ☒ Core Oriented - yes ☒ no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1 1/2Total Core Length 442 cm. Estimate Good Core 442 cm. Flow-in 0 cm.

REMARKS: DROGE D3 WITH THIS PISTON CORE, BUT NO MATERIAL RECOVERED

STATION LOG

Date 07/VII/78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 08Latitude _____ Longitude _____ Sea 1-2'Location PACIFIC OCEAN OFF DAKACA, MEX; NEAR OM-2N SURVEY TRACKBottom Topography GRADUAL RISENo. and Depth of Sub-bottom Reflections FEW & CONTINUOUS

CORE LOG

Core No. 08 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 1823 Z PDR Depth 260 fm. Nature of Hit GOODTime Messenger 1828 Z Counter Depth 200 fm. Wire Out at Hit 256Time Hit 1830 Z PDR Depth 252 fm. Wire Angle at Hit 5°Time Surfaced 1841 Z PDR Depth 280 fm. Pull Out MODERATE

Depth of Penetration 610 cm. Trigger Core Length 51 cm.Mud on Piston - yes _____ no ✓ Core Oriented - yes ✓ no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1 1/2Total Core Length 445 cm. Estimate Good Core 445 cm. Flow-in 0 cm.

STATION LOG

Date 07/14/78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 09Latitude _____ Longitude _____ Sea 1-2'Location PACIFIC OCEAN OFF DAKACA, MEX; NEAR LINE OM-3N TRACKBottom Topography GENTLE SLOPENo. and Depth of Sub-bottom Reflections SEVERAL CONTINUOUS REFLECTORS

CORE LOG

Core No. 09 *****

Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1
Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.
Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) 75

Time Lowered 1952 Z PDR Depth 285 fm. Nature of Hit GOODTime Messenger 2000 Z Counter Depth 100 fm. Wire Out at Hit 285Time Hit 2005 Z PDR Depth 282 fm. Wire Angle at Hit 4°Time Surfaced 2010 Z PDR Depth 282 fm. Pull Out EASY

Depth of Penetration 580 cm. Trigger Core Length _____ cm.Mud on Piston - yes _____ no / Core Oriented - yes / no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1 1/2Total Core Length 443 cm. Estimate Good Core 443 cm. Flow-in 0 cm.

STATION LOG

Date 10 IV 1978 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 10Latitude _____ Longitude _____ Sea 4-6'Location PACIFIC OCEAN OFF GUATEMALA; SEA MOUNT WITH MAGNETIC ANOMALYBottom Topography GENTLE RISENo. and Depth of Sub-bottom Reflections FEW, DEEP & DISCONTINUOUS

CORE LOG

Core No. 10 *****Length of Core Pipe 194 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 1719 PDR Depth 903 fm. Nature of Hit GOODTime Messenger 1723 Counter Depth 200 fm. Wire Out at Hit 982Time Hit 1742 PDR Depth 910 fm. Wire Angle at Hit 8°Time Surfaced 1833 PDR Depth 875 fm. Pull Out MODERATELY EASY

Depth of Penetration ~170 cm. Trigger Core Length 0 cm.Mud on Piston - yes no Core Oriented - yes noCondition of Cutting Edge and Pipe (Pipes bent? Where?) CE SEVERELYCRUSHED INWARDLY CORE MAINLY GRAVEL TO SEMI-CONSOLIDATED
SILT & MUDSTONEMethod of Extrusion Liner Number of Liners Filled < 1/2Total Core Length 46 cm. Estimate Good Core 46 cm. Flow-in 0 cm.

RESULTS

REMARKS - DREDGING D4 WITH THIS PISTON CORE
& MATERIAL WAS RETRIEVED.

STATION LOG

Date 13/VII/78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 11Latitude _____ Longitude _____ Sea 6-8'Location PACIFIC OCEAN OFF GUATEMALA ; LANDWARD SIDE OF TRENCH SUBMARINE CANYONBottom Topography GRADUAL SLOPENo. and Depth of Sub-bottom Reflections NONE

CORE LOG

Core No. 11 *****Length of Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. of Pipes 2Length Trigger Line 64 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 0140 PDR Depth 1800 fm. Nature of Hit GOODTime Messenger 0144 Counter Depth 200 fm. Wire Out at Hit 1691Time Hit 0214 PDR Depth 1590 fm. Wire Angle at Hit 30°Time Surfaced 0246 PDR Depth 1470 fm. Pull Out MODERATE

Depth of Penetration 1170 cm. Trigger Core Length 27 cm.Mud on Piston - yes _____ no ☒ Core Oriented - yes ☒ no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 4Total Core Length 1032 cm. Estimate Good Core 1032 cm. Flow-in 0 cm.

STATION LOG

Date 13 VII, 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 12Latitude _____ Longitude _____ Sea 8' - 10'Location PACIFIC OCEAN OFF GUATEMALA, - SUBMARINE CANYON LANDWARD OF TRENCH AXISBottom Topography GRADUAL RISENo. and Depth of Sub-bottom Reflections ONE; DISCONTINUOUS ~ 20 fm below bottom

CORE LOG

Core No. 12 *****Length of Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. of Pipes 2Length Trigger Line 64 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 1503 Z PDR Depth 2483 fm. Nature of Hit GoodTime Messenger 1508 Z Counter Depth 200 fm. Wire Out at Hit 2673Time Hit 1605 Z PDR Depth 2536 fm. Wire Angle at Hit 30°Time Surfaced 1710 Z PDR Depth 2495 fm. Pull Out MODERATE

Depth of Penetration 540 cm. Trigger Core Length 32 cm.Mud on Piston - yes _____ no ☒Core Oriented - yes _____ no ☒Condition of Cutting Edge and Pipe (Pipes bent? Where?) 10° bend in lower pipe & Coupling bent between pipesMethod of Extrusion Liner Number of Liners Filled 2Total Core Length 742 cm. Estimate Good Core 540 cm. Flow-in 198 cm.

STATION LOG

Date 13/IV/78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 13Latitude _____ Longitude _____ Sea 5-7'Location PACIFIC OCEAN OFF GUATEMALA; TRENCH AXIS
~~SUBMARINE CANYON JUS~~

Bottom Topography _____

No. and Depth of Sub-bottom Reflections NONE

CORE LOG

Core No. 13 *****Length of Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. of Pipes 2Length Trigger Line 64 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) 75

Time Lowered 2121 Z PDR Depth 3216 fm. Nature of Hit GOODTime Messenger 2128 Z Counter Depth 200 fm. Wire Out at Hit 3380Time Hit 2232 Z PDR Depth 3226 fm. Wire Angle at Hit 25°Time Surfaced 2343 Z PDR Depth 3225 fm. Pull Out MODERATE

Depth of Penetration 1100 cm. Trigger Core Length 32 cm.Mud on Piston - yes no Core Oriented - yes no

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 3 1/2Total Core Length 896 cm. Estimate Good Core 896 cm. Flow-in 0 cm.

DREDGE LOG

Date 06 VII/78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Dredge No. D1

Begin Latitude _____ End Latitude _____ Ship Station No. 02

Begin Longitude _____ End Longitude _____ Time (Z) 1323

Time Lowered 1323 PDR Depth while on Bottom 620 to 628 fm.

Time on Bottom 1340 to 1414 Time Surfaced 1430 Wire Angle _____

Location PACIFIC OCEAN OFF OAXACA, MEX; WESTERN CANYON WALL OFF RIO DULCE

Bottom Topography RISING GENTLY UP SIDE OF CANYON

Type of Rock Recovered IGNEOUS VARIETY

Number and Size of Rocks N 25, FROM 5 cm TO 35 cm, BLOCKY SHAPED

Estimated Weight of Recovered Material 75/00 lbs.

Material Stored (type of container used, where stored) 10 gallon Plastic TRASH
Container & Large MILK Carton

Problems and/or Observations _____

Type of Dredge Used ROCK DREDGE Amount of Dredging Weight Used 1500 lbs.

Average Speed of Vessel 1/2 kts. Sea 1-2' ft.

(DRIFTING)

DREDGE LOG

Date 06 / VII / 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Dredge No. D2

Begin Latitude _____ End Latitude _____ Ship Station No. 03

Begin Longitude _____ End Longitude 1640 Time (Z) 1640

Time Lowered 1640 PDR Depth while on Bottom 683 to 670 fm.

Time on Bottom 1700 to 1737 Time Surfaced 1750 Wire Angle 0°

Location PACIFIC OCEAN OFF OAXACA, MEX; EASTERN CANYON WALL OFF RIO DULCE

Bottom Topography SHARPLY RISING & VARIABLE

Type of Rock Recovered NONE

Number and Size of Rocks _____

Estimated Weight of Recovered Material _____ lbs.

Material Stored (type of container used, where stored) _____

Problems and/or Observations _____

Type of Dredge Used ROCK DREDGE Amount of Dredging Weight Used 1500 lbs.

Average Speed of Vessel 1/2 kts. Sea 1-2' ft.
(DRIFTING)

DREDGE LOG

Date 07, VII, 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Dredge No. D3Begin Latitude _____ End Latitude _____ Ship Station No. 07Begin Longitude _____ End Longitude _____ Time (Z) 1338Time Lowered 1338 PDR Depth while on Bottom 782 to 492 fm.Time on Bottom 1351 to 1425 Time Surfaced 1445 Wire Angle _____

Location PACIFIC OCEAN OFF OAXACA, MEX; EASTERMOST CANYON OFF RIO VERDEBottom Topography DROPPING GRADUALLY TOWARDS AXISType of Rock Recovered NO MATERIAL RECOVERED

Number and Size of Rocks _____

Estimated Weight of Recovered Material _____ lbs.

Material Stored (type of container used, where stored) _____

Problems and/or Observations _____

Type of Dredge Used ROCK DREDGE Amount of Dredging Weight Used 1500 lbs.Average Speed of Vessel 1/2 kts. Sea 1-3' ft.

(DRIFTING)

DREDGE LOG

Date 10 / VII / 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Dredge No. D4
Begin Latitude _____ End Latitude _____ Ship Station No. 10
Begin Longitude _____ End Longitude _____ Time (Z) 1719 Z
Time Lowered 1719 Z PDR Depth while on Bottom 910 to 885 fm.
Time on Bottom 1742 to 1812 Time Surfaced 1833 Wire Angle 8°

Location PACIFIC OCEAN OFF GUATEMALA; SEA MOUNT WITH MAGNETIC ANOMALY
Bottom Topography GENTLE RISE; FEW DISCONTINUOUS DEEP REFLECTORS
Type of Rock Recovered BASALT, LIMESTONE, & MUDDSTONE
Number and Size of Rocks ~20, RANGING FROM 4cm TO 25cm BLOCKY SHAPES
Estimated Weight of Recovered Material 35 lbs.
Material Stored (type of container used, where stored) PLASTIC TRASH CONTAINER
10 GALLON SIZE.

Problems and/or Observations CLUMP OF SEDIMENT FOUND CLINGING TO
SIDE OF DREDGE; STORED IN RESCALABLE BAG MARKED D4

Type of Dredge Used ROCK DREDGE Amount of Dredging Weight Used 1500 lbs.
Average Speed of Vessel ~1 kts. Sea 4-6 ft.
(DRIFTING)

STATION LOG

03
Date 06, VII, 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 01

Latitude _____ Longitude _____ Sea 2-3'

Location PACIFIC OCEAN OFF OAXACA, MEX.; INTRA TRENCH BASIN

Bottom Topography FLAT

No. and Depth of Sub-bottom Reflections FEW & VERY DISCONTINUOUS

***** CORE LOG Core No. 01 *****

Length of Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. of Pipes 2

Length Trigger Line 64 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.

Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/2 in.

***** Time (Z) +5 (ship's local time for coring leg = Galveston local time) *****

Time Lowered 0114 Z PDR Depth 2747 fm. Nature of Hit GOOD

Time Messenger 0126 Z Counter Depth 500 fm. Wire Out at Hit 2822

Time Hit 0228 Z PDR Depth 2747 fm. Wire Angle at Hit 0°

Time Surfaced 0438 Z PDR Depth 2748 fm. Pull Out EASY

***** *****

Depth of Penetration ~175 cm. Trigger Core Length 0 cm.

Mud on Piston - yes _____ no ☒ Core Oriented - yes ☒ no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) lower pipe bent 30° at midpoint;

upper pipe bent slightly at 3' from pipe-pipe coupling; CE was ok.

Method of Extrusion Liner Number of Liners Filled 1/2

Total Core Length 175 cm. Estimate Good Core 175 cm. Flow-in 0 cm.

***** *****

REMARKS: Only slight deflection of accumulator springs noted as core rig hit bottom.

STATION LOG

Date 06 VII 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 02Latitude _____ Longitude _____ Sea 1-2Location PACIFIC OCEAN OFF OAXACA, MEX; WESTERN CANYON WALL OFF RIO DULCEBottom Topography RISING GENTLY UP SIDE OF CANYONNo. and Depth of Sub-bottom Reflections FEW & DISCONTINUOUS

CORE LOG

Core No. 02 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/2 in.

Time (Z) +5

Time Lowered 1323 Z PDR Depth 720 fm. Nature of Hit GOODTime Messenger 1327 Z Counter Depth 200 fm. Wire Out at Hit 811Time Hit 1340 Z PDR Depth 670 fm. Wire Angle at Hit 0°Time Surfaced 1430 Z PDR Depth 628 fm. Pull Out MODERATE

Depth of Penetration — cm. Trigger Core Length 12 cm.Mud on Piston - yes no Core Oriented - yes noCondition of Cutting Edge and Pipe (Pipes bent? Where?) —Method of Extrusion Liner Number of Liners Filled —Total Core Length — cm. Estimate Good Core — cm. Flow-in — cm.

Remarks: Core consists of few volcanic rock fragments wedged in the CE & catcher.

Note: D1 taken simultaneously with this piston core & rocks were retrieved (see Dredge Log D1)

STATION LOG

Date 06 / VII / 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 03Latitude _____ Longitude _____ Sea 1-2'Location PACIFIC OCEAN OFF OAXACA, MEX; ~~WALL~~ EAST WALL OF CANYON OFF RIO DULCEBottom Topography RISING SHARPLY TO MODERATELY (VARIABLE)No. and Depth of Sub-bottom Reflections FEW & DISCONTINUOUS

CORE LOG

Core No. 03 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 1640 Z PDR Depth 690 fm. Nature of Hit GOODTime Messenger 1645 Z Counter Depth 200 fm. Wire Out at Hit 784Time Hit 1700 Z PDR Depth 683 fm. Wire Angle at Hit 0°Time Surfaced 1750 Z PDR Depth 624 fm. Pull Out EASY

Depth of Penetration 265 cm. Trigger Core Length 40 cm.Mud on Piston - yes no Core Oriented - yes no

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1/2Total Core Length 172 cm. Estimate Good Core 172 cm. Flow-in 0 cm.

Remarks : Dredge D2 simultaneously with this piston core, but no material recovered. (see Dredge Log D2)

STATION LOG

Date 06 JUL 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 04

Latitude _____ Longitude _____ Sea _____

Location PACIFIC OCEAN OFF MEXICO - OAXACA; UPPER SHELFBottom Topography FLATNo. and Depth of Sub-bottom Reflections NONE

CORE LOG

Core No. 04 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes _____Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5 *****Time Lowered 2010 Z PDR Depth 50 fm. Nature of Hit GOODTime Messenger 2011 Z Counter Depth 18 fm. Wire Out at Hit 40Time Hit 2012 Z PDR Depth 50 fm. Wire Angle at Hit 3°Time Surfaced 2013 Z PDR Depth 50 fm. Pull Out EASY

Depth of Penetration 590 cm. Trigger Core Length 35 cm.Mud on Piston - yes _____ no / Core Oriented - yes / no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1 1/2Total Core Length 360 cm. Estimate Good Core 360 cm. Flow-in 0 cm.

STATION LOG

Date 06, VII, 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 05Latitude _____ Longitude _____ Sea 1-2'Location PACIFIC OCEAN OFF OAXACA, MEX; SHELFBottom Topography RISING GRADUALLYNo. and Depth of Sub-bottom Reflections CONTINUOUS SHALLOW & DISCONTINUOUS DEEPER REFLECTORS

CORE LOG

Core No. 05 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5 *****Time Lowered 2139 PDR Depth 435 fm. Nature of Hit GOODTime Messenger 2142 Counter Depth 100 fm. Wire Out at Hit 427Time Hit 2149 PDR Depth 418 fm. Wire Angle at Hit 2°Time Surfaced 2204 PDR Depth 400 fm. Pull Out EASY

Depth of Penetration 515 cm. Trigger Core Length 42 cm.Mud on Piston - yes no / Core Oriented - yes no /

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1 1/2Total Core Length 380 cm. Estimate Good Core 380 cm. Flow-in 0 cm.

STATION LOG

Date 06 VII 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 06

Latitude _____ Longitude _____ Sea 1-2'

Location PACIFIC OCEAN OFF OAXACA, MEX; UPPER SHELF

Bottom Topography FLAT

No. and Depth of Sub-bottom Reflections NONE

CORE LOG

Core No. 06 *****

Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.

Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 2357 PDR Depth 56 fm. Nature of Hit GOOD

Time Messenger 2358 Counter Depth 10 fm. Wire Out at Hit 49

Time Hit 2359 PDR Depth 59 fm. Wire Angle at Hit 20

Time Surfaced 0003 PDR Depth 59 fm. Pull Out EASY

Depth of Penetration 350 cm. Trigger Core Length _____ cm.

Mud on Piston - yes _____ no 1 Core Oriented - yes 1 no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1 1/2

Total Core Length 343 cm. Estimate Good Core 343 cm. Flow-in 0 cm.

STATION LOG

Date 07/VII/78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 07Latitude _____ Longitude _____ Sea 1'-3'Location PACIFIC OCEAN OFF OAXACA, MEX, EASTERNMOST CANYON OFF RIO VERDEBottom Topography DROPPING GENTLY TOWARDS AXISNo. and Depth of Sub-bottom Reflections FEW, DIPPING DISCONTINUOUS

CORE LOG

Core No. 07 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) 15

Time Lowered 1338 Z PDR Depth 479 fm. Nature of Hit GOODTime Messenger 1343 Z Counter Depth 200 fm. Wire Out at Hit 505Time Hit 1351 Z PDR Depth 482 fm. Wire Angle at Hit 3°Time Surfaced 1445 Z PDR Depth 506 fm. Pull Out MODERATE TO HARD

Depth of Penetration 470 cm. Trigger Core Length 31 cm.Mud on Piston - yes no Core Oriented - yes no

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1 1/2Total Core Length 442 cm. Estimate Good Core 442 cm. Flow-in 0 cm.

REMARKS: DREDGE D3 WITH THIS PISTON CORE, BUT NO MATERIAL RECOVERED

STATION LOG

Date 07/VII/78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 08Latitude _____ Longitude _____ Sea 1-2Location PACIFIC OCEAN OFF OAXACA, MEX; NEAR DM-2N SURVEY TRACKBottom Topography GRADUAL RISENo. and Depth of Sub-bottom Reflections FEW & CONTINUOUS***** CORE LOG Core No. 08 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.***** Time (Z) +5 *****Time Lowered 1823 Z PDR Depth 260 fm. Nature of Hit GOODTime Messenger 1828 Z Counter Depth 200 fm. Wire Out at Hit 256Time Hit 1830 Z PDR Depth 252 fm. Wire Angle at Hit 5°Time Surfaced 1841 Z PDR Depth 280 fm. Pull Out MODERATE

***** *****

Depth of Penetration 610 cm. Trigger Core Length 51 cm.Mud on Piston - yes _____ no / Core Oriented - yes / no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1 1/2Total Core Length 445 cm. Estimate Good Core 445 cm. Flow-in 0 cm.

***** *****

STATION LOG

Date 07 JUL 1978 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 09Latitude _____ Longitude _____ Sea 1-2'Location PACIFIC OCEAN OFF OAXACA, MEX; NEAR LINE OM-3N TRACKBottom Topography GENTLE SLOPENo. and Depth of Sub-bottom Reflections SEVERAL CONTINUOUS REFLECTORS

CORE LOG

Core No. 09 *****Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) 75

Time Lowered 1952 Z PDR Depth 285 fm. Nature of Hit GOODTime Messenger 2000 Z Counter Depth 100 fm. Wire Out at Hit 285Time Hit 2005 Z PDR Depth 282 fm. Wire Angle at Hit 4°Time Surfaced 2010 Z PDR Depth 282 fm. Pull Out EASY

Depth of Penetration 580 cm. Trigger Core Length _____ cm.Mud on Piston - yes _____ no / Core Oriented - yes / no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 1 1/2Total Core Length 443 cm. Estimate Good Core 443 cm. Flow-in 0 cm.

STATION LOG

Date 10 JUL 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 10

Latitude _____ Longitude _____ Sea 4-6'

Location PACIFIC OCEAN OFF GUATEMALA; SEA MOUNT WITH MAGNETIC ANOMALY

Bottom Topography GENTLE RISE

No. and Depth of Sub-bottom Reflections FEW, DEEP & DISCONTINUOUS

CORE LOG

Core No. 10 *****

Length of Core Pipe 19 ft. Core Head Wt. 1400 lbs. No. of Pipes 1

Length Trigger Line 44 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.

Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 1719 PDR Depth 903 fm. Nature of Hit GOOD

Time Messenger 1723 Counter Depth 200 fm. Wire Out at Hit 982

Time Hit 1742 PDR Depth 910 fm. Wire Angle at Hit 8°

Time Surfaced 1833 PDR Depth 875 fm. Pull Out MODERATELY EASY

Depth of Penetration ~170 cm. Trigger Core Length 0 cm.

Mud on Piston - yes no Core Oriented - yes no

Condition of Cutting Edge and Pipe (Pipes bent? Where?) CE SEVERELY

CRUSHED INWARDLY CORE MAINLY GRAVEL TO SEMI-CONSOLIDATED SILT & MUDSTONE

Method of Extrusion Liner Number of Liners Filled 2 1/2

Total Core Length 46 cm. Estimate Good Core 46 cm. Flow-in 0 cm.

~~RESULTS~~
REMARKS - DREDGING D4 WITH THIS PISTON CORE
& MATERIAL WAS RETRIEVED.

STATION LOG

Date 13 VII 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 11

Latitude _____ Longitude _____ Sea _____

Location PACIFIC OCEAN OFF GUATEMALA, LANDWARD SIDE OF TRENCH CANYON SUBMARINE

Bottom Topography GRADUAL SLOPE

No. and Depth of Sub-bottom Reflections NONE

***** CORE LOG Core No. 11 *****

Length of Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. of Pipes 2

Length Trigger Line 64 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.

Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

***** Time (Z) +5 *****

Time Lowered 0140 PDR Depth 1800 fm. Nature of Hit GOOD

Time Messenger 0144 Counter Depth 200 fm. Wire Out at Hit 1691

Time Hit 0214 PDR Depth 1590 fm. Wire Angle at Hit 30

Time Surfaced 0246 PDR Depth 1470 fm. Pull Out MODERATE

***** *****

Depth of Penetration 11170 cm. Trigger Core Length 27 cm.

Mud on Piston - yes no Core Oriented - yes no

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 4

Total Core Length 1032 cm. Estimate Good Core 1032 cm. Flow-in 0 cm.

***** *****

STATION LOG

Date 13 VII 1978 Ship R. V. IDA GREEN Cruise 27 Leg 03 Ship Station No. 12

Latitude _____ Longitude _____ Sea 8' - 10

Location PACIFIC OCEAN OFF GUATEMALA; SUBMARINE CANYON LANDWARD OF TRENCH AXIS

Bottom Topography GRADUAL RISE

No. and Depth of Sub-bottom Reflections ONE; DISCONTINUOUS ~ 20 fm below bottom

CORE LOG

Core No. 12 *****

Length of Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. of Pipes 2

Length Trigger Line 64 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.

Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) 75

Time Lowered 1503 Z PDR Depth 2483 fm. Nature of Hit GOOD

Time Messenger 1508 Z Counter Depth 200 fm. Wire Out at Hit 2673

Time Hit 1605 Z PDR Depth 2536 fm. Wire Angle at Hit 30°

Time Surfaced 1710 Z PDR Depth 2995 fm. Pull Out MODERATE

Depth of Penetration 540 cm. Trigger Core Length 32 cm.

Mud on Piston - yes _____ no ✓ Core Oriented - yes _____ no ✓

Condition of Cutting Edge and Pipe (Pipes bent? Where?) 10° bend in lower pipe
& Coupling bent between pipes

Method of Extrusion Liner Number of Liners Filled 2

Total Core Length 742 cm. Estimate Good Core 540 cm. Flow-in 198 cm.

STATION LOG

Date 13 VII, 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Ship Station No. 13Latitude _____ Longitude _____ Sea 5-7Location PACIFIC OCEAN OFF GUATEMALA; TRENCH AXIS
~~SUBMARINE CANYON SUS~~

Bottom Topography _____

No. and Depth of Sub-bottom Reflections NONE

CORE LOG

Core No. 13 *****Length of Core Pipe 38 ft. Core Head Wt. 1400 lbs. No. of Pipes 2Length Trigger Line 64 ft. Trigger Wt. 125 lbs. I.D. of Pipes 2.5 in.Length of Scope 12 ft. Length Free Fall 12 lbs. Pipe Wall Thickness 1/4 in.

Time (Z) +5

Time Lowered 2121 Z PDR Depth 3216 fm. Nature of Hit GOODTime Messenger 2128 Z Counter Depth 200 fm. Wire Out at Hit 3380Time Hit 2232 Z PDR Depth 3226 fm. Wire Angle at Hit 25Time Surfaced 2343 Z PDR Depth 3225 fm. Pull Out MODERATE

Depth of Penetration 1100 cm. Trigger Core Length 32 cm.Mud on Piston - yes _____ no ☒ Core Oriented - yes ☒ no _____

Condition of Cutting Edge and Pipe (Pipes bent? Where?) _____

Method of Extrusion Liner Number of Liners Filled 3 1/2Total Core Length 896 cm. Estimate Good Core 896 cm. Flow-in 0 cm.

DREDGE LOG

Date 06 / VIII / 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Dredge No. D1Begin Latitude _____ End Latitude _____ Ship Station No. 02Begin Longitude _____ End Longitude _____ Time (Z) 1323Time Lowered 1323 PDR Depth while on Bottom 620 to 628 fm.Time on Bottom 1340 to 1414 Time Surfaced 1430 Wire Angle _____

Location PACIFIC OCEAN OFF OAXACA, MEX; WESTERN CANYON WALL OFF RIO DULCEBottom Topography RISING GENTLY UP SIDE OF CANYONType of Rock Recovered IGNEOUS VARIETYNumber and Size of Rocks N 25, from 5 cm to 35 cm; BLOCKY SHAPEDEstimated Weight of Recovered Material 100 lbs.Material Stored (type of container used, where stored) 10 gallon Plastic TrashContainer & Large MILK Carton

Problems and/or Observations _____

Type of Dredge Used ROCK DREDGE Amount of Dredging Weight Used 1500 lbs.Average Speed of Vessel 1/2 kts. Sea 1-2' ft.

(DRIFTING)

DREDGE LOG

Date 06 / VII / 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Dredge No. D2

Begin Latitude _____ End Latitude _____ Ship Station No. 03

Begin Longitude _____ End Longitude 164 Time (Z) 1640

Time Lowered 1640 PDR Depth while on Bottom 683 to 670 fm.

Time on Bottom 1700 to 1737 Time Surfaced 1750 Wire Angle 0°

Location PACIFIC OCEAN OFF OAXACA, MEX; EASTERN CANYON WALL OFF R₁₀ DULCE

Bottom Topography SHARPLY RISING, VARIABLE

Type of Rock Recovered NONE

Number and Size of Rocks _____

Estimated Weight of Recovered Material _____ lbs.

Material Stored (type of container used, where stored) _____

Problems and/or Observations _____

Type of Dredge Used ROCK DREDGE Amount of Dredging Weight Used 1500 lbs.

Average Speed of Vessel 1/2 kts. Sea 1-2' ft.

(DRIFTING)

DREDGE LOG

Date 07 VII 1978 Ship R. V. IDA GREEN Cruise 29 Leg 03 Dredge No. D3

Begin Latitude _____ End Latitude _____ Ship Station No. 07

Begin Longitude _____ End Longitude _____ Time (Z) 1338

Time Lowered 1338 PDR Depth while on Bottom 482 to 492 fm.

Time on Bottom 1351 to 1425 Time Surfaced 1445 Wire Angle _____

Location PACIFIC OCEAN OFF OAXACA, MEX; EASTERMOST CANYON OFF RIO VERDE

Bottom Topography DROPPING GRADUALLY TOWARDS AXIS

Type of Rock Recovered NO MATERIAL RECOVERED

Number and Size of Rocks _____

Estimated Weight of Recovered Material _____ lbs.

Material Stored (type of container used, where stored) _____

Problems and/or Observations _____

Type of Dredge Used ROCK DREDGE Amount of Dredging Weight Used 1500 lbs.

Average Speed of Vessel 1/2 kts. Sea 1-3' ft.

(DRIFTING)

DREDGE LOG

Date 10 / 10 / 78 Ship R. V. IDA GREEN Cruise 29 Leg 03 Dredge No. D4

Begin Latitude _____ End Latitude _____ Ship Station No. 10

Begin Longitude _____ End Longitude _____ Time (Z) 1719Z

Time Lowered 1719Z PDR Depth while on Bottom 910 to 885 fm.

Time on Bottom 1742 to 1812 Time Surfaced 1833 Wire Angle 8°

Location PACIFIC OCEAN OFF GUATEMALA; SEA MOUNT WITH MAGNETIC ANOMALY

Bottom Topography GENTLE RISE; FEW DISCONTINUOUS DEEP REFLECTORS

Type of Rock Recovered BASALT, LIMESTONE, & MUONSTONE

Number and Size of Rocks ~20, RANGING FROM 4cm TO 25cm BLOCKY SHAPES

Estimated Weight of Recovered Material 35 lbs.

Material Stored (type of container used, where stored) PLASTIC TRASH CONTAINER
10 GALLON SIZE.

Problems and/or Observations CLUMP OF SEDIMENT FOUND CLINGING TO
SIDE OF DREDGE; STORED IN RESEALABLE BAG MARKED D4

Type of Dredge Used ROCK DREDGE Amount of Dredging Weight Used 1500 lbs.

Average Speed of Vessel ~1 kts. Sea 4-6 ft.

(DRIFTING)