ENDANGERD SPECIES OBSERVER PROGRAM
Dredge R. N. WEEKS
ASSATEAGUE ISLAND/USACE,

DAILY REPORT

Date: 03 Sept 1998 Loads: #1-3
Area(s) Worked: 38°14'N 75°03'W
Weather Conditions: Hazy, Overcast, Seas 3-4', Wind N 13-15 MPH
Range of H_2O Temperature: Surface _____ Below Mid-Depth _____
Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? **Yes**_____ **No** X

Comments (type of material being dredged, biological specimens, etc.):

Dredged material is a coarse sand with crushed shells and small pebbles.

Biological specimens collected on screening apparatus included: 1 Clearnose Skate, many live Knobbed & Lightening Whelks, few live Channeled Whelks, 7 Horseshoe Crabs (4 released live), various empty shells (mostly Quahogs, Oysters, Whelks), 1 Polychaete Worm

Abiotic samples collected on screening apparatus included: Cloth, Welding Rods, Metal Scraps, Brick, Concrete Pieces

Two boxes clogged with shells and sand halfway through a cut and had to be opened.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observer(s) On Duty: CATHY SAKAS

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks - Weeks Marine, Inc.
ASSATEAGUE ISLAND /USACE,

DAILY REPORT

Date: 04 / Sept / 1998 Loads: # 6-8

Area(s) Worked: 38°14'N 75°03'W

Weather Conditions: Overcast, Rain, NW winds 18-25 MPH, Seas rough at 3-5'

Range of H_2O Temperature: Surface _____ Below Mid-Depth _____

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? **Yes**_____ **No** X

Comments (type of material being dredged, biological specimens, etc.):

Dredged material is coarse sand with crushed shells and small pebbles.

Biological specimens collected on screens included: 1 Northern Stargazer, 14 Horseshoe Crabs (8 released live), several Knobbed Whelks (3 released live), several Lightening Whelks (1 released live), 1 Channeled Whelk (released live), 1 Clearnose Skate, 1 Fluke, various shells (empty)

Abiotic samples collected on screens included: Plywood piece, metal scrap, concrete chunks, and a brick

Dredging was suspended at the end of Load 8 pump out due to weather and surf conditions. It was resumed at 0520 on 05 Sept 1998.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observer(s) On Duty: CATHY SAKAS

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. Weeks - Weeks Marine Inc. /USACE,

ASSATEAGUE ISLAND

DAILY REPORT

Date: 05 Sept 1998 Loads: # 10-12

Area(s) Worked: 38° 14'N 75° 03'W

Weather Conditions: Clear, Sunny, NNW changing to S wind 10-15MPH, Seas calming ~3'

Range of H_2O Temperature: Surface _____ Below Mid-Depth _____

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? **Yes**_____ **No** X

Comments (type of material being dredged, biological specimens, etc.):

Dredged material is coarse sand with crushed shell and pebbles.

Biological specimens collected on the screens included: 13 Horseshoe Crabs (6 released live), 3 Northern Stargazers, Knobbed Whelks (1 released live), Channeled Whelks (2 released live), Lightening Whelks, various shell fragments of whelks, clams and oysters and scallops, 1 Lady Crab (Ovalipes sp.)

Abiotic samples included: chunks of concrete, wood pieces and 1 brass spike.

Dredging was suspended after Load # 10 was pumped out ~1300 to make repairs and resumed at 1745.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observer(s) On Duty: CATHY SAKAS

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R. N. WEEKS - WEEKS MARINE, INC.
ASSATEAGUE ISLAND/USACE,

WEEKLY SUMMARY

Dates: Thursday 03 Sept 1998 - Saturday 05 Sept 1998 Loads: #1-3, 6-8, & 10-12

Range of H_2O Temperature: Surface 76.5° F Below Mid-Depth 76°F

Area(s) Worked: 38°14'N 75°03'W

Are there incidents involving endangered or protected species? Yes____ No X

Comments: Dredged material is coarse sand with crushed shells & small pebbles.

Biological specimens included: 37 Horseshoe Crabs (18 released alive); 4 Northern Stargazers; Knobbed Whelks, many (4 released alive); several Lightening Whelks, (1 released live); few Channeled Whelks (3 released live); 2 Clearnose Skates, 1 Polychaete Worm; 1 Lady Crab; Various shell fragments of Quahogs, Oysters, Whelks, Scallops, etc.

Abiotic samples included: Plywood Pieces, Metal Scraps, Concrete Chunks, Welding Rods, Bricks, Cloth, Wood Pieces, Brass Spike.

Dredging was halted at the end of the pump out of Load #8 due to weather and was resumed the following morning, and again after Load # 10 was pumped out to make repairs. Dredging resumed later that afternoon.

The Observer boarded the "R. N. Weeks" at 1800 on 01 Sept 1998. Dredging actually began at 1254 on 03 Sept 1998.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observers On Duty: CATHY SAKAS

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. WEEKS - WEEKS MARINE, INC.

ASSATEAGUE Is. /USACE,

DAILY REPORT

Date: 06 Sept 1998 Loads: # 15-18

Area(s) Worked: 38°14'N 75°03'W

Weather Conditions: Hazy, Sunny, S winds 5-20MPH, Seas choppy 3-4'

Range of H_2O Temperature: Surface 75°-76.5° F Below Mid-Depth 75°-76° F

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? **Yes**____ **No** X

Comments (type of material being dredged, biological specimens, etc.):

Dredged material is coarse sand with small pebbles and crushed shells.

Biological specimens collected on the screens included: 27 Horseshoe Crabs (22 released alive); Numerous Knobbed, Lightning and Channeled Whelks (9 Channeled; 7 Knobbed released alive), 5 Northern Stargazers, 1 Common Spider Crab, 1 Lady Crab, Numerous Sand dollars, Various shell fragments of Quohogs, Whelks, Moon Snails, Oysters, etc., 1 Clearnose Skate

Abiotic samples collected included: Pieces of Cement, Scraps of Metal, Wood Chunks

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observer(s) On Duty: CATHY SAKAS

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. Weeks - Weeks Marine, Inc.
ASSATEAGUE ISLAND /USACE,

DAILY REPORT

Date: 07 / Sept / 1998 Loads: # 21-24

Area(s) Worked: 38° 14'N 75°03'W

Weather Conditions: Sunny & Hazy to Overcast, SW to W winds 5-15 MPH, Seas choppy 2-4'

Range of H_2O Temperature: Surface 76°-77°F Below Mid-Depth 74°-76°F

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? **Yes**____ **No** X

Comments (type of material being dredged, biological specimens, etc.):

Dredged material is coarse sand mixed with pebbles & shells.

Biological specimens collected included: 22 Horseshoe Crabs (14 released alive), 5 Northern Stargazers (1 released alive), 3 Clearnose Skates, Numerous Knobbed, Lightning & Channeled Whelk shells as well as Oyster, Quahog & Scallop shells, Whelk live releases were 5 Channeled & 5 Knobbed, several Sanddollars.

Abiotic samples collected included: 1 whole tire.

Delays in pumping out occur regularly due to the need to add additional pipe on the beach to handle the volume of sand being pumped onshore.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observer(s) On Duty: CATHY SAKAS

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN Weeks - Weeks Marine, INC.

ASSATEAGUE Is. /USACE,

DAILY REPORT

Date: 08 /Sept/ 1998 Loads: # 26-29

Area(s) Worked: 38°14'N 75°03'W

Weather Conditions: Overcast to Partly Cloud & Sunny, W to NW winds 5-20MPH, Seas calm to Choppy 3-4'

Range of H_2O Temperature: Surface 74°-76° F Below Mid-Depth 74°-75°F

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? **Yes**____ **No** X

Comments (type of material being dredged, biological specimens, etc.):

Dredged material is coarse sand with pebbles and crushed shells.

Biological specimens collected on screens included: 1 Clearnose Skate, 2 Northern Stargazers, 38 Horseshoe Crabs (11 released alive), 1 Flat-clawed Hermit Crab in a Knobbed Whelk shell, Sanddollars. Of the numerous Knobbed, Channeled and Lightning Whelks 5 Channeled and 8 Knobbed Whelks were released alive and 1 Polychaete Worm

Abiotic samples collected included: 1 plastic jar, 1 tire, 2 rocks, 1 chunk of iron

Dredging operation continues to experience delays at the pump out due to beach equipment being overwhelmed with volume of sand.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observer(s) On Duty: CATHY SAKAS

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge R.N. WEEKS - WEEKS MARINE, INC.
ASSATEAGUE IS./USACE,

DAILY REPORT

Date: 09 Sept 1998 Loads: #31

Area(s) Worked: 38°14'N 75°03'W

Weather Conditions: Sunny, Scattered Clouds, NW winds ~20-25 MPH, Seas choppy

Range of H_2O Temperature: Surface 73°-74.5°F Below Mid-Depth 72°-73°F 2-3'

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? **Yes**____ **No** X

Comments (type of material being dredged, biological specimens, etc.):

Dredged material is coarse sand with pebbles and crushed shells.

Biological specimens collected on screens included: 4 Horseshoe Crabs (1 released alive), 2 Clearnose Skates, 1 Northern Stargazer, Numerous Knobbed (1 released alive), Channeled and Lightning Whelks and various crushed shells (Oysters, Quahogs, Scallops)

No abiotic samples were taken today.

Dredging operations ceased after Load #31 was pumped out to move pipes southward. During the process the pipe broke. It is estimated that dredging will not resume until 10 Sept sometime in the PM.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observer(s) On Duty: CATHY SAKAS

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge "R.N. Weeks" - Weeks Marine, Inc.
ASSATEAGUE ISLAND /USACE,

DAILY REPORT

Date: 10 /Sept/ 1998 Loads: # 32
Area(s) Worked: 38°14'N 75°03'W
Weather Conditions: Clear, Scattered Clouds, SW ~ 10MPH, Seas calm ≤ 1'
Range of H_2O Temperature: Surface 72.5°-73°F Below Mid-Depth 72°-73°F
Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? **Yes**____ **No** X

Comments (type of material being dredged, biological specimens, etc.):

Dredged material is coarse sand with pebbles and shells.

Biological specimens included: 1 Flounder, 5 Horseshoe Crabs (1L), 1 Clearnose Skate, various shells (Oysters, Quahogs), numerous Knobbed & Channeled & Lightning Whelks.

No abiotic samples were collected.

Dredging was halted around 1200 yesterday (09 Sept) to move and repair the submerged pipe. Dredging resumed at 2115 today (10 Sept).

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observer(s) On Duty: CATHY SAKAS

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge RN Weeks
Assateague Is. /USACE,

DAILY REPORT

Date: 11 1Sept1998 Loads: #33-36

Area(s) Worked: 38°14'N 75°03'W

Weather Conditions: Clear, Sunny, SW-NW winds 5-10 MPH, Seas calm to slightly

Range of H_2O Temperature: Surface 72°-74° F Below Mid-Depth 72°-73°F Choppy ≤1'-2'

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? **Yes**____ **No** X

Comments (type of material being dredged, biological specimens, etc.):

Dredged material is coarse sand with pebbles & crushed shell.

Biological specimens: 21 Horseshoe Crabs (7L), 2 Clearnose Skates, 1 Lady crab (L), 2 Knobbed (2L) and 3 Channeled (2L) Whelks plus numerous empty Knobbed, Lightning and Channeled Whelk shells as well as empty Oyster & Quahog shells

Abiotic samples: 2 chunks of rusted iron

Delays during pumpouts of Load #33 & 35 due to motor pump failure on dredge.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observer(s) On Duty: CATHY SAKAS

ENDANGERD SPECIES OBSERVER PROGRAM

Dredge

/USACE,

DAILY REPORT

Date: 12 Sept 1998 Loads: #38-41

Area(s) Worked: 38°14'N 75°03'W Seas slightly choppy ≤1-2'

Weather Conditions: Sunny, Clear to Scattered Clouds, WSW-SW winds 5-15MPH

Range of H_2O Temperature: Surface 72.5°-74°F Below Mid-Depth 72°-73°F

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? **Yes**____ **No** X

Comments (type of material being dredged, biological specimens, etc.):

Dredged material is coarse sand with pebbles & crushed shells.

Biological specimens: 26 Horseshoe Crabs (14 released live), 1 Northern Stargazer, Numerous empty Knobbed, Channeled, and Lightning Whelks - live releases = 14 Channeled and 5 Knobbed, various shells = oysters and Quahogs, less than 5 Sand dollars and 1 moon snail

Abiotic samples: 2 rocks, 2 chunks of rusted iron, 1 piece of metal with a plastic base, 1 scrap of aluminum

A delay occured after Load #38 was dredged due to the relocating of the pipe. The delay was nearly 4 hours.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments

Observer(s) On Duty: CATHY SAKAS

ENDANGERED SPECIES OBSERVER PROGRAM

Dredge R.N. WEEKS - WEEKS MARINE, INC.

ASSATEAGUE ISLAND /USACE,

WEEKLY SUMMARY

Dates: 06 1Sept 11998 - 12 1Sept 11998 Loads: #15-41

Range of H_2O Temperature: Surface 72°F-77°F Below Mid-Depth 72°F-76°F

Area(s) Worked: 38°14'N 75°03'W

Are there incidents involving endangered or protected species? **Yes**____ **No** X

Comments:

Dredged material is coarse sand with crushed shells & pebbles.

Biological specimens: 143 Horseshoe Crabs (70 released alive) 14 Northern Stargazers (1 released alive), 10 Clearnose Skates, 1 Common Spider Crab, 2 Lady Crabs (1 released alive), several Sanddollars, a few Moon Snails, 1 Flat-clawed Hermit Crab (released alive), 1 Polychaete Worm, numerous whelk shells (Lightning, Knobbed & Channeled), numerous oyster and Quahog shells, of the whelks 36 Channeled and 28 Knobbed were released alive

Abiotic samples: 4 rocks, 5 chunks of rusted iron, 1 piece of metal with a plastic base, 1 scrap of aluminum, 1 plastic jar, 2 tires, several cement pieces, several metal scraps and a few wood chunks

Delays occured regularly to add pipe during pump out. A few delays were experienced to repair dredge machinery. Some delays occurred when pipe was relocated.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observers On Duty: CATHY SAKAS

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge R.N. Weeks - Weeks Marine, Inc.
Assateague Island/USACE,

DAILY REPORT

Date: 13 Sept 1998 Loads: # 44 - 48
Area(s) Worked: 38°14'N 75°03'W Seas choppy 1-2'
Weather Conditions: Sunny, Partly Cloudy, Winds ~10MPH changing from NW to SE,
Range of H_2O Temperature: Surface 73° - 74° F Below Mid-Depth 72.5° - 73.5°F
Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? **Yes**____ **No** X

Comments (type of material being dredged, biological specimens, etc.):

Dredged material is coarse sand with small pebbles & shells.

Biological specimens: 36 Horseshoe Crabs (20 released alive), 5 Northern Stargazers (2 released alive), 1 Lady Crab, 1 Stem of Grass, 1 Moon Snail, 1 Knobbed Whelk Egg case, 2 Flat-clawed Hermit Crabs (released alive - 1 in Knobbed Whelk shell & 1 in Moon Snail shell), 17 Knobbed Whelks (all released alive), 20 Channeled Whelks (all released alive), numerous empty Whelk shells (Knobbed, Channeled & Lightning) and numerous empty Oyster, Ark & Quahog shells, few Sand dollars

Abiotic samples: Piece of cloth, 1 metal plate, 1 Piece of Coated Wire Mesh (~ 4"x5")

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Ø			

Observer(s) On Duty: CATHY SAKAS

ENDANGERD SPECIES OBSERVER PROGRAM
Dredge R.N. Weeks - Weeks Marine, Inc.
ASSATEAGUE Is. /USACE,

DAILY REPORT

Date: 14 /Sept/ 1998 Loads: # 51-54

Area(s) Worked: 38°14'N 75°03'W

Weather Conditions: Sunny & Cloudy, S-SSE winds 10-15 MPH, Seas choppy 1-2'

Range of H_2O Temperature: Surface * Below Mid-Depth *

Condition of all screening apparatus: good

Are there incidents involving endangered or protected species? **Yes**____ **No** X

Comments (type of material being dredged, biological specimens, etc.):

Dredged material is coarse sand with pebbles & shells.

Biological specimens: 39 Horseshoe Crabs (16 released alive), 3 Northern Stargazers, 7 Knobbed Whelks (released alive), 2 Channeled Whelks (released alive), 1 Lady Crab (released alive), Numerous empty Channeled, Lightning & Knobbed Whelk shells, and numerous Quahog and Oyster shells, some Sanddollars

Abiotic samples: 2 chunks of cement, 2 rocks, 3 rusted iron chunks

Delays of approximately 40 minutes occur during pump out to add more pipe during most Load cycles.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Unidentified dolphins (probably Tt)	1	~30	At pump out station - swimming south

Observer(s) On Duty: CATHY SAKAS

ENDANGERED SPECIES OBSERVER PROGRAM
Dredge R.N. WEEKS - WEEKS MARINE, INC
ASSATEAGUE ISLAND /USACE,

WEEKLY SUMMARY

Dates: Sunday 13 1Sept 1998 - Monday 14 1Sept 1998 Loads: # 44-54

Range of H_2O Temperature: Surface 73°-74°F Below Mid-Depth 72.5°-73.5°F

Area(s) Worked: 38°14'N 75°03'W

Are there incidents involving endangered or protected species? Yes____ No X

Comments:

Dredged material is coarse sand with small pebbles & shells.

Biological specimens: 75 Horseshoe Crabs (36 released alive) 8 Northern Stargazers (2 released alive) 24 Knobbed Whelks (live releases) 22 Channeled Whelks (live releases), 2 Lady Crabs (1 released alive), 2 Flat-clawed Hermit Crabs (live releases), few Sandd dollars 1 Moon Snail (live release), 1 Knobbed Whelk Egg case, 1 Stem of grass, numerous empty Lightning, Knobbed & Channeled Whelk shells, empty Quahog & Oyster shells

Abiotic samples: 2 chunks of cement, 2 rocks, 3 rusted iron chunks, 1 piece of cloth, 1 metal plate, 1 piece of coated wire mesh (~4"x5")

Delays (~10 min/load) occur during pump out to add pipe.

Observer ended monitoring after Load #54 since the requirement of 25% coverage was fulfilled.

Bridge Watch Summary

Species	# of Sightings	# of Animals	Comments
Unidentified dolphins most likely Tt	1	~30	At pump out station swimming south.

Observers On Duty: CATHY SACKS

Key to Abbreviations on Load Sheets

K W = Knobbed whelk (live)
L W = Lightning whelk (live)
C W = Channeled whelk (live)

W's = the above whelks (dead or empty)

V S = various shells (oyster, Quahog, scallops)
(empty or dead)

CNS = Clearnose Skate

NSG = Northern Stargazer

HSC = Horseshoe crabs

(1L) = 1 released alive
(2L) = 2 released alive