



CHAIN OF CUSTODY RECORD

Client/Project Name:

ACOE/LIS Lobster Survey

Project Location:

Long Island Sound

Project Number: 9403-007

Field Logbook No.: 0600A417

Sampler: (Print Name) /Affiliation:

JOAN K TRACEY/ENSR

Chain of Custody Tape No.:

Send Results/Report to:

Dev McGrath/ENSR

Analysis Requested

Muscle (tail+claw)
Hepatopancreas
Shell (carapace)

| Field Sample No./ Identification | Date | Time | Grab | Comp | Sample Container (Size/Mat'l) | Sample Type (Liquid, Sludge, Etc.) | Preservative | Field Filtered | Lab I.D. | Remarks |
|---|------|------|------|------|-------------------------------|------------------------------------|--------------|----------------|----------|------------|
| LES05LOBR210C1 | 8-1 | 0800 | X | X | NA | Lobster tissue | ice | N/A | | 4 lobsters |
| LES05LOBR210C2 | ↓ | ↓ | X | X | ↓ | ↓ | ↓ | ↓ | | 4 lobsters |
| LES05LOBR210C3 | ↓ | ↓ | X | X | ↓ | ↓ | ↓ | ↓ | | 3 lobsters |
| (Remaining rows are crossed out with a large diagonal line) | | | | | | | | | | |

Relinquished by: (Print Name)

JOAN K. TRACEY
Signature: J-K Tracey

Date:

8/1/00

Time:

Received by: (Print Name)

K. Bates

Signature: K. Bates

Date:

8/1/00

Time: 13:30

Analytical Laboratory (Destination):

Woods Hole Group

Relinquished by: (Print Name)

Signature:

Date:

Time:

Received by: (Print Name)

Signature:

Date:

Time:

Relinquished by: (Print Name)

Signature:

Date:

Time:

Received by: (Print Name)

Signature:

Date:

Time:

Serial No.

31096



CHAIN OF CUSTODY RECORD

Client/Project Name:

ALOE/LIS Lobsters

Project Location:

Long Island Sound

Analysis Requested

Project Number: 9000 184

Field Logbook No.:

Sampler: (Print Name) /Affiliation:

Jean K. TRACEY/ENSR

Chain of Custody Tape No.:

Send Results/Report to:

Signature: *J. Tracey*

Debra McGrath/ENSR

| Field Sample No./ Identification | Date | Time | Grab | Comp | Sample Container (Size/Mat'l) | Sample Type (Liquid, Sludge, Etc.) | Preservative | Field Filtered | Analysis Requested | | | | Lab I.D. | Remarks | |
|----------------------------------|------|-------|------|------|-------------------------------|------------------------------------|--------------|----------------|--------------------|---|---|--|----------|---------|------------|
| LIS05LOBR31001 | 8-17 | 10:30 | X | X | NA | TISSUE | ice | N/A | X | X | X | | | | 3 Lobsters |
| LIS05LOBR31002 | ↓ | ↓ | X | X | ↓ | ↓ | ↓ | ↓ | X | X | X | | | | ↓ |
| LIS05LOBR31003 | ↓ | ↓ | X | X | ↓ | ↓ | ↓ | ↓ | X | X | X | | | | ↓ |
| LIS05LOBR31004 | ↓ | ↓ | X | X | ↓ | ↓ | ↓ | ↓ | X | X | X | | | | ↓ |
| LIS05LOBR31005 | ↓ | ↓ | X | X | ↓ | ↓ | ↓ | ↓ | X | X | X | | | | ↓ |

Relinquished by: (Print Name)
 Jean K. Tracey
 Signature: *J. Tracey*

Date: 8/17/00
 Time: 1520

Received by: (Print Name)
 Signature: *Debra McGrath*
 Date: 8/17/00
 Time: 1530

Analytical Laboratory (Destination):
 Woods Hole Group

Relinquished by: (Print Name)
 Signature:

Date:
 Time:

Received by: (Print Name)
 Signature:

Relinquished by: (Print Name)
 Signature:

Date:
 Time:

Received by: (Print Name)
 Signature:



CHAIN OF CUSTODY RECORD

| | | |
|---|--|--|
| Client/Project Name: ALCE/LIS ^(SK) Finfish Lobster | Project Location: Long Island Sound | Analysis Requested Muscle Hepatopancreas Carapace |
| Project Number: 9000-184 | Field Logbook No.: 0900A449 | |
| Sampler: (Print Name) /Affiliation: Stephanie Kelly / ENSR Signature: <i>Stephanie Kelly</i> | Chain of Custody Tape No.: Send Results/Report to: Deb McGrath | |

| Field Sample No./ Identification | Date | Time | Grab | Comp | Sample Container (Size/Mat'l) | Sample Type (Liquid, Sludge, Etc.) | Preservative | Field Filtered | Muscle | Hepatopancreas | Carapace | Lab I.D. | Remarks |
|----------------------------------|---------|------|------|------|-------------------------------|------------------------------------|--------------|----------------|--------|----------------|----------|------------|---------|
| LISVCSB92L0C1 | 9/22/00 | 1220 | | X | — | lobster | ice | NA | X | X | X | 3 lobsters | |
| LISVCSB92L0C2 | ↓ | ↓ | | ↓ | — | ↓ | ↓ | ↓ | X | X | X | 3 lobsters | |
| LISVCSB92L0C3 | ↓ | ↓ | | ↓ | — | ↓ | ↓ | ↓ | X | X | X | 3 lobsters | |
| LISVCSB92L0C4 | ↓ | ↓ | | ↓ | — | ↓ | ↓ | ↓ | X | X | X | 2 lobsters | |
| LISVCSB92L0C5 | ↓ | ↓ | | ↓ | — | ↓ | ↓ | ↓ | X | X | X | 2 lobsters | |
| / | | | | | | | | | | | | | |

| | | | | |
|--|-----------------------------------|--|-----------------------------------|--|
| Relinquished by: (Print Name) Stephanie Kelly Signature: <i>Stephanie Kelly</i> | Date: 9/22/00 Time: 1715 | Received by: (Print Name) michelle Jusko Signature: <i>Michelle Jusko</i> | Date: 9/22/00 Time: 1715 | Analytical Laboratory (Destination): Woods Hole Group |
| Relinquished by: (Print Name) Signature: | Date: Time: | Received by: (Print Name) Signature: | Date: Time: | |
| Relinquished by: (Print Name) Signature: | Date: Time: | Received by: (Print Name) Signature: | Date: Time: | Serial No. 31070 |



CHAIN OF CUSTODY RECORD

| | | |
|--|---|--|
| Client/Project Name: ACOE/LIS Lobster | Project Location: Long Island Sound | Analysis Requested |
| Project Number: 900-184 | Field Logbook No.: 0100A449 | <div style="display: flex; justify-content: space-around; font-size: 2em; opacity: 0.5;"> MUSCLE HEPATOPANCREAS CARAPACE </div> |
| Sampler: (Print Name) /Affiliation: Stephanie Kelly / ENSR | Chain of Custody Tape No.: | |
| Signature: <i>Stephanie Kelly</i> | Send Results/Report to: Deb McGrath | |

| Field Sample No./ Identification | Date | Time | Grab | Comp | Sample Container (Size/Mat) | Sample Type (Liquid, Sludge, Etc.) | Preservative | Field Filtered | Lab I.D. | Remarks | |
|----------------------------------|---------|------|------|------|-----------------------------|---|---------------------|----------------|----------|-----------|--|
| LIS05CSB92LOC3 | 9/22/00 | 0820 | | X | - | lobster | ice | NA | | 2 lobster | |
| <i>Note:</i> | | | | | | | | | | | |
| Please combine samples | | | | | | 1) LIS05CSB92LOC1 + LIS05CSB92LOC4 = 5 lobster ⇒ LIS05CSB92LOC1 | | | | | |
| | | | | | | 9/22/00 (3 lobster) | 9/22/00 (2 lobster) | | | | |
| | | | | | | 2) LIS05CSB92LOC2 + LIS05CSB92LOC5 = 5 lobster ⇒ LIS05CSB92LOC2 | | | | | |
| | | | | | | 9/22/00 (3 lobster) | 9/22/00 (2 lobster) | | | | |

| | | | | |
|---|------------------|---|------------------|--|
| Relinquished by: (Print Name) Stephanie Kelly | Date: 12/2/00 | Received by: (Print Name) Edie Hutchinson | Date: 10/2/00 | Analytical Laboratory (Destination): Wood Hole Group |
| Signature: <i>Stephanie Kelly</i> | Time: 1304 | Signature: <i>Edie Hutchinson</i> | Time: 1304 | |
| Relinquished by: (Print Name) | Date: | Received by: (Print Name) | Date: | |
| Signature: | Time: | Signature: | Time: | |
| Relinquished by: (Print Name) | Date: | Received by: (Print Name) | Date: | |
| Signature: | Time: | Signature: | Time: | |

Serial No. **31071**

APPENDIX D

SAMPLE COLLECTION FORMS

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder JK TRACEY

Sampling Date: 7/26/00

Tape Name: NA

Sampling Crew: J. Tracey & S. Kelly/ENSR

Station: WLIS Mound I

Fisherman/Boat: A.Covallo/Capt

Depth: 118'/97'/101'

Target Coordinates: 40° 59.202 / 73° 29.02 (15294.1/43971)

*Actual Coordinates - begin haul: 15294 1 43971

3 trawls

^{begin} haul: 15294 1 43970.3

of Pots per haul: 6 Days Set: 5 Bait: Mennaden (bunker)

^{begin} haul: 15293.9 43971.1

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|--------------|---------|---------------------|--------------|---------|-----------------|-------------------------|----------------|--------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| M | - | - | 83.5 | 111.0 | Hard/Encr | - | - | - | - | - | A | Y | LIS05WLMDILOc1 | 1 | 1-3 |
| F | - | - | 84.5 | 110.0 | Hard | - | - | - | - | - | A | Y | | 2 | |
| F | - | - | 82.6 | 109.3 | HARD | - | - | - | - | - | A | Y | | 3 | |
| F | - | - | 85.0 | 112.6 | HARD | R | R | - | - | - | A | Y | | 4 | |
| F | - | - | 82.0 | 108.4 | HARD | - | - | - | - | Missing | A | Y | ↓ | 5 | ↓ |
| | | | | | | | | | | | | | | | |
| F | - | - | 80.1 | 109.8 | HARD | - | - | - | - | - | A | Y | LIS05WLMDILOc2 | 1 | 1-3 |
| M | - | - | 87.6 | 113.5 | HARD | - | - | - | - | - | A | Y | | 2 | |
| F | - | - | 84.9 | 111.4 | New HARD | - | - | - | - | Missing | A | Y | | 3 | |
| F | - | - | 84.5 | 112.6 | SOFT | Recent wound | - | - | - | - | A | Y | | 4 | |
| M | - | - | 85.0 | 109.5 | HARD | - | - | - | - | - | A | Y | ↓ | 5 | ↓ |
| | | | | | | | | | | | | | | | |
| F | - | - | 86.1 | 115.2 | New HARD | - | - | - | - | - | A | Y | LIS05WLMDILOc3 | 1 | 1-3 |
| F | - | - | 84.7 | 112.2 | SOFT | - | - | - | - | - | A | Y | | 2 | |
| F | - | - | 84.8 | 112.3 | HARD | - | R | - | - | - | A | Y | | 3 | |
| F | - | - | 85.6 | 113.4 | HARD | - | - | - | - | - | A | Y | | 4 | |
| F | - | - | 80.1 | 105.7 | HARD | - | - | - | - | - | A | Y | ↓ | 5 | ↓ |

* Only six pots per trawl; boat did not move position significantly to mark an end haul location

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J.K. Tracey

Sampling Date: 7/26/00

Station: WLIS Mound I

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------|-------------------|---------------------|--------------|-----|-----------------|-------------------------|----------------|--------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| F | - | - | 91.1 | 122.4 | New HARD | - | - | - | - | - | A | Y | LIS05WLMDILOC4 | 1 | 1-3 |
| F | - | - | 92.2 | 125 | New HARD | - | - | - | - | - | A | Y | | 2 | |
| M | - | - | 87.9 | 113.5 | New HARD | - | - | - | - | - | A | Y | | 3 | |
| F | - | - | 81.0 | 107.2 | HARD | C | - | - | - | - | A | Y | | 4 | |
| M | - | - | 88.2 | 114 | HARD | - | - | - | - | - | A | Y | ↓ | 5 | ↓ |
| F | - | - | 85.1 | 113.3 | HARD | - | Dent | - | - | - | A | Y | LIS05WLMDILOC5 | 1 | 1-3 |
| F | - | - | 83.5 | 108.3 | HARD | - | - | - | - | - | A | Y | | 2 | |
| F | - | - | 89.2 | 119.3 | HARD | - | Y2 MISSING HEALED | - | - | - | A | Y | | 3 | |
| F | - | - | 92.0 | 121.5 | HARD | Dent | - | - | - | - | A | Y | | 4 | |
| F | - | - | 86.2 | 112.6 | HARD | R | - | - | - | Bud | A | Y | ↓ | 5 | ↓ |

Sex: Male/Female

Egg Bearing:

- Color: Brown (B)
- Green (G)
- Red (R)

Compliment:

1/4 - 1/2 - Full etc..

Shell Condition: Hard/Soft/Encrusting/Paper

Claw Damage: Cull (C)

Regeneration (R)

Bud (B)

Condition: Alive/Dead/Stressed

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. Tracey

Sampling Date: 8/22/00

Station: CLIS CLN93

Sampling Crew: J. Tracey/ENSR

Depth: 69'

Fisherman/Boat: A.Criscola/Capt

Actual Coordinates - begin haul : 15047 1 44000.1

Target Coordinates: 41° 09.128 / 72° 53.426 (15046.9.1/44000.1)

- end haul : 15046.8 1 43999.5

- begin haul : N/A 1 N/A

- end haul : N/A 1 N/A

of Pots per haul: 10 Days Set: 7 days Bait: menhaden/herring

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------|---------|---------------------|----------|--------------|-----------------|-------------------------|----------------|--------|---------------------|
| | M/F | Color | | | | Compl | Crusher | Pincher | Carapace | Abdomen/Tail | | | | | |
| F | - | - | 86 | 116 | H | - | - | - | - | - | A | Y | LIS05CLN93LOC1 | 1 | 1 |
| F | - | - | 83 | 111 | H | - | - | - | - | - | A | Y | | 2 | 1 |
| F | - | - | 83.5 | 114 | S | R | - | - | - | - | A | Y | | 3 | 1 |
| F | - | - | 85 | 112 | S | - | - | - | - | - | A | Y | | 4 | 1 |
| F | - | - | 88 | 116 | H | - | - | - | - | - | A | Y | ≡ | 5 | 1 |
| | | | | | | | | | | | | | | | |
| F | - | - | 90.5 | 122 | H | - | - | - | - | - | A | Y | LIS05CLN93LOC2 | 1 | 1 |
| F | - | - | 84 | 112 | H | - | - | - | - | - | A | Y | | 2 | 1 |
| F | - | - | 87 | 115 | S | - | - | - | - | - | A | Y | | 3 | 1 |
| F | - | - | 86 | 116 | S | - | - | - | - | - | A | Y | | 4 | 1 |
| F | - | - | 82 | 107 | H | - | - | - | - | - | A | Y | ≡ | 5 | 1 |
| | | | | | | | | | | | | | | | |
| F | - | - | 80 | 109 | H | - | injury | - | - | - | A | Y | LIS05CLN93LOC3 | 1 | 1 |
| F | - | - | 82 | 112 | H | - | - | - | - | - | A | Y | | 2 | 1 |
| F | - | - | 86 | 115 | S | - | - | - | - | - | A | Y | | 3 | 1 |
| F | - | - | 89 | 119 | S | Abcess | - | - | - | - | A | Y | | 4 | 1 |
| F | - | - | 89 | 118 | S | - | - | - | - | - | A | Y | ≡ | 5 | 1 |

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. Tracey

Sampling Date: 8/22/00

Station: CLIS CLN93

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|---------------|---------|---------------------|--------------|--------|-----------------|-------------------------|----------------|--------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| F | - | - | 89 | 117 | H | - | - | - | - | - | A | Y | LIS05CLN93LOC4 | 1 | 1 |
| F | - | - | 81 | 117 | H | Healed injury | - | - | - | - | A | Y | ↓ | 2 | 1 |
| F | - | - | 86 | 112 | S | - | - | - | - | - | A | Y | ↓ | 3 | 1 |
| F | - | - | 87 | 115 | S | - | - | - | - | - | A | Y | ↓ | 4 | 1 |
| F | - | - | 90 | 114 | H | - | - | Healed Rosmin | - | - | A | Y | ↓ | 5 | 1 |
| | | | | | | | | | | | | | | | |
| F | - | - | 86.5 | 113 | H | - | - | - | - | - | A | Y | LIS05CLN93LOC5 | 1 | 1 |
| M | - | - | 90 | 117 | H | - | Bud | - | - | 2 Buds | A | Y | ↓ | 2 | 1 |
| F | - | - | 83 | 109 | H | - | - | - | - | - | A | Y | ↓ | 3 | 1 |
| F | - | - | 91 | 121 | S | - | - | - | - | - | A | Y | ↓ | 4 | 1 |
| F | - | - | 84 | 113 | S | - | - | - | - | - | A | Y | ↓ | 5 | 1 |

Sex: Male/Female
 Egg Bearing:
 Color: Brown (B)
 Green (G)
 Red (R)
 Compliment:
 1/4 - 1/2 - Full etc..
 Shell Condition: Hard/Soft/Encrusting/Paper
 Claw Damage: Cull (C)
 Regeneration (R)
 Bud (B)
 Condition: Alive/Dead/Stressed

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder S. Kelly

Sampling Date: 9/22/00/10/2/00

Station: CSDS CSB92

Sampling Crew: S. Kelly/ENSR

Depth: 144 - 175'

Fisherman/Boat: Rick Mattson

Actual Coordinates - begin haul : 41° 13 318 / 72° 20 722

Target Coordinates: 41° 12.839 / 72° 21.722 (14833.4/43977.6)

- end haul : 41° 12.969 / 72° 21.243

- begin haul : 41° 12.821 / 72° 22.402

- end haul : 41° 12.729 / 72° 22.684

of Pots per haul: 22/6 Days Set: 8/10 Bait: skate

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encl) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # | Trawl # per Station | |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------|---------|---------------------|----------|----------------|-----------------|-------------------------|----------------|---|---------------------|------|
| | M/F | Color | | | | Compl | Crusher | Pincher | Carapace | Abdomen/Tail | | | | | | |
| F | Black | Full | 80.8 | 106.6 | Hard | - | - | - | - | - | A | Y | LIS05CSB92L0C1 | 1 | 1-2 | 9/22 |
| F | - | - | 75.8 | 102.5 | Hard | B | CSD | - | - | - | A | Y | | 2 | 1-2 | 9/22 |
| F | - | - | 77.0 | 101.4 | Hard | - | injury | - | - | - | A | Y | | 3 | 1-2 | 9/22 |
| F | Black | Full | 87.9 | 112.7 | Hard | - | R | CSD | - | - | A | Y | | 4 | 1-2 | 9/22 |
| F | Black | Full | 88.9 | 117.2 | Hard | - | - | - | - | - | A | Y | ↓ | 5 | 1-2 | 9/22 |
| | | | | | | | | | | | | | | | | |
| F | - | - | 81.5 | 106.7 | Hard | - | C | - | - | - | A | Y | LIS05CSB92L0C2 | 1 | 1-2 | 9/22 |
| F | - | - | 86.2 | 115.0 | Hard | - | R | - | - | - | A | Y | | 2 | 1-2 | 9/22 |
| F | Black | Full | 82.5 | 107.8 | Hard | CSD | - | - | - | - | A | Y | | 3 | 1-2 | 9/22 |
| F | black | 1/4 | 85.6 | 104.1 | Hard | - | Bad | - | - | - | A | Y | | 4 | 1-2 | 9/22 |
| F | - | - | 72.4 | 97.6 | Hard | - | - | - | - | - | A | Y | ↓ | 5 | 1-2 | 9/22 |
| | | | | | | | | | | | | | | | | |
| F | Black/Green | 3/4 | 81.5 | Healed Rostrum | Hard | CSD | - | CSD | CSD | - | A | Y | LIS05CSB92L0C3 | 1 | 1-2 | 9/22 |
| F | Black | Full | 92.5 | 120.9 | Hard | - | - | CSD | - | - | A | Y | | 2 | 1-2 | 9/22 |
| F | Green | 1/2 | 83.4 | 103.8 | Hard | - | BW | - | - | - | A | Y | | 3 | 1-2 | 9/22 |
| M | - | - | 87.8 | 113.0 | Hard | R | - | - | - | - | A | Y | ↓ | 4 | 1-2 | 10/2 |
| F | - | - | 70.0 | 93.1 | Hard | - | - | - | - | Healed Rostrum | A | Y | ↓ | 5 | 1-2 | 10/2 |

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder _____

Sampling Date:

Station: CSDS CSB92

| Sex | Egg Bearing | | Carapace Length | Rostrum Length | Shell Condition | Claw Damage | | Damage Observations | | | Condition | Retained for Sample | Sample ID | # | Trawl # per Station | |
|-----|-------------|-------|-----------------|----------------|-----------------|-------------|---------|---------------------|----------|--------------|-----------|---------------------|-----------|----------------|---------------------|--|
| | M/F | Color | Compl | (mm) | (mm) | (Hard/Encr) | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | A/D/S | Y/N | | of 5 | |
| | | | | | | | | | | | | | | LIS05CSB92L0C4 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | LIS05CSB92L0C5 | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

Sex: Male/Female

Egg Bearing:

- Color: Brown (B)
- Green (G)
- Red (R)

Compliment:

1/4 - 1/2 - Full etc..

Shell Condition: Hard/Soft/Encrusting/Paper

Claw Damage:

- Cull (C)
- Regeneration (R)
- Bud (B)

Condition:

Alive/Dead/Stressed

CSD signs of chitinoclastic (black) shell disease.

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. Tracey

Sampling Date: 7/31/00

Tape Name: NA

Sampling Crew: S. Kelly/ENSR

Station: NLDS SeaWolf

Fisherman/Boat: M.Theiler/Capt

Depth: 122'

Target Coordinates: 41° 16.488 / 72° 04.848 (14714.8/43978.3)

Actual Coordinates - begin haul : 14713.8/43978.5

- end haul : 14714.9/43978.5

- begin haul : 14714.8/43978.7

- end haul : 14716.0/43978.7

- begin haul : 14714.1/43979.1

- end haul : 14715.7/43979.1

of Pots per haul: 8 Days Set: 6 Bait: Herring

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|---------------|---------------|---------------------|----------|----------------|-----------------|-------------------------|----------------|--------|---------------------|
| | M/F | Color | | | | Compl | Crusher | Pincher | Carapace | Abdomen/Tail | | | | | |
| F | - | - | 87.4 | 114.5 | H | CSD | - | - | - | - | A | Y | LIS05NLSEALOC1 | 1 | 1-3 |
| M | - | - | 87.4 | 118.6 | H | - | - | - | - | - | A | Y | ↓ | 2 | ↓ |
| F | - | - | 86.4 | 114.5 | H | - | coll | - | - | MISSING | A | Y | ↓ | 3 | ↓ |
| M | - | - | 84.3 | 109.3 | H | - | - | - | - | - | A | Y | ↓ | 4 | ↓ |
| F | - | - | 83.2 | 110.3 | H | - | injured | - | - | injured unrecd | A | Y | ↓ | 5 | ↓ |
| | | | | | | | | | | | | | | | |
| F | - | - | 83.3 | 111.4 | H | Deformd | - | - | - | MISSING | A | Y | LIS05NLSEALOC2 | 1 | 1-3 |
| F | - | - | 81.2 | NA | H | - | - | injured Rostrum | - | - | A | Y | ↓ | 2 | ↓ |
| M | - | - | 80.1 | 104.1 | H | - | - | - | - | - | A | Y | ↓ | 3 | ↓ |
| F | - | - | 86.4 | 118.6 | H | HEALED injury | - | - | - | - | A | Y | ↓ | 4 | ↓ |
| M | - | - | 83.3 | 111.3 | H | - | - | - | - | - | A | Y | ↓ | 5 | ↓ |
| | | | | | | | | | | | | | | | |
| M | - | - | 82.2 | 106.1 | H | - | HEALED injury | - | - | - | A | Y | LIS05NLSEALOC3 | 1 | 1-3 |
| F | - | - | 82.2 | 109.3 | H | - | - | - | - | - | A | Y | ↓ | 2 | ↓ |
| F | - | - | 84.3 | 113.5 | H | - | - | - | - | - | A | Y | ↓ | 3 | ↓ |
| F | - | - | 85.4 | 112.4 | New H | - | - | - | - | - | A | Y | ↓ | 4 | ↓ |
| M | - | - | 99.8 | 125.4 | H | - | - | - | - | - | A | Y | ↓ | 5 | ↓ |

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. Traylor

Sampling Date: 7/31/00

Station: NLDS Seawolf

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------|----------|---------------------|-------------------|---------------|-----------------|-------------------------|----------------|--------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| M | - | - | 91.6 | 118.6 | H | - | - | - | - | - | A | Y | LIS05NLSEALOC4 | 1 | 1-3 |
| M | - | - | 85.3 | 108.2 | H | BUD | - | - | - | - | A | Y | | 2 | ↓ |
| F | - | - | 84.3 | 109.3 | H | - | - | - | - | - | A | Y | | 3 | ↓ |
| M | - | - | 85.4 | 107.2 | H | - | - | INDENTED ROSTRUM | - | - | A | Y | | 4 | ↓ |
| M | - | - | 81.4 | 97.8 | H | CSD | CSD | CSD | - | - | A | Y | | 5 | ↓ |
| F | - | - | 88.5 | 114.5 | H | INJURY | - | CRACKED ROSTRUM | - | - | A | Y | LIS05NLSEALOC5 | 1 | 1-3 |
| F | - | - | 83.3 | 111.4 | H | - | - | - | - | - | A | Y | | 2 | ↓ |
| F | - | - | 85.4 | 114.5 | H | - | - | - | 1 CRACKED MISSING | 1 LEG MISSING | A | Y | | 3 | ↓ |
| F | - | - | 91.4 | 113.4 | H | - | DEFORMED | - | - | - | A | Y | | 4 | ↓ |
| F | - | - | 84.3 | 116.6 | H | INJURY | - | - | - | - | A | Y | | 5 | ↓ |

Sex: Male/Female

Egg Bearing:

Color: Brown (B)
Green (G)
Red (R)

Compliment:

1/4 - 1/2 - Full etc..

Shell Condition: Hard/Soft/Encrusting/Paper

Claw Damage: Cull (C)

Regeneration (R)
Bud (B)

Condition: Alive/Dead/Stressed

CSD Chitino-clastic (Black) Shell Disease

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J.K. Tracey

Sampling Date: 7/26/00

Tape Name: NA

Sampling Crew: J. Tracey & S. Kelly/ENSR

Station: Reference 1

Fisherman/Boat: A.Covallo/Capt

Depth: 58'/55'/55'

Target Coordinates: 40° 57.000 / 73° 34.999 (15335.2/43961) * Actual Coordinates - begin haul : 15335.3 143961.1

3 trawls

begin haul : 15335.0 143960.6
end haul : 15335.0 143961.1

of Pots per haul: 6 Days Set: 5 Bait: Mennaden (bunker)

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encl) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|--------------------|---------|---------------------|--------------|---------|-----------------|-------------------------|----------------|--------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| F | - | - | 74.9 | 97.9 | Soft | C | C | - | - | Missing | A | Y | LIS05LOBR1LOC1 | 1 | 1-3 |
| M | - | - | 90.0 | 110.3 | HARD | 1/2 MISSING HEALED | - | - | - | - | A | Y | " | 2 | 1-3 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | LIS05LOBR1LOC2 | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | LIS05LOBR1LOC3 | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

* Only 6 pots per trawl; boat's position did not change significantly to warrant an end trawl position

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder _____

Sampling Date: 7/26/00

Station: Reference 1

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # __ of 5 | Trawl # per Station |
|-----|-------------|-------|-------------------------|------------------------|--------------------------------|-------------|---------|---------------------|--------------|-----|--------------------|----------------------------|----------------|--------------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| | | | | | | | | | | | | | LIS05LOBR1L0C4 | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | LIS05LOBR1L0C5 | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

Sex: Male/Female

Egg Bearing:

- Color: Brown (B)
- Green (G)
- Red (R)

Compliment:

1/4 - 1/2 - Full etc..

Shell Condition: Hard/Soft/Encrusting/Paper

Claw Damage: Cull (C)

Regeneration (R)

Bud (B)

Condition: Alive/Dead/Stressed

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. K. Tracey

Sampling Date: 7/31/00

Tape Name: NA

Sampling Crew: J. Tracey

Station: Reference 1

Fisherman/Boat: A.Covallo/Capt

Depth: 75' / 72' / 67'

Target Coordinates: 40° 57.000 / 73° 34.999 (15335.2/43961)

*Actual Coordinates - begin haul: 15328.0 / 43975.5

3 trawls

- begin haul: 15329.7 / 43975.1

of Pots per haul: 6 Days Set: 5 Bait: menhaden (bunker)

- begin haul: 15331.4 / 43974.6

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------|---------|---------------------|--------------|----------------|-----------------|-------------------------|-------------------|--------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| F | - | - | 79.2 | 104.4 | Soft | - | - | - | - | - | A | Y | ** LIS05LOBR1LOC1 | 3 | 1-3 |
| F | - | - | 86.1 | 105.3 | HARD | coll | - | - | - | - | A | Y | ↓ | 4 | ↓ |
| M | - | - | 90.0 | 117.7 | HARD | - | R | - | - | - | A | Y | ↓ | 5 | ↓ |
| | | | | | | | | | | | | | ↓ | | ↓ |
| F | - | - | 88.2 | 118 | New HARD | - | - | - | - | - | A | Y | LIS05LOBR1LOC2 | 1 | 1-3 |
| F | - | - | 86.8 | 112.6 | HARD | coll | - | - | - | 2 missing legs | A | Y | ↓ | 2 | ↓ |
| M | - | - | 86.9 | 113.7 | HARD | - | - | - | - | - | A | Y | ↓ | 3 | ↓ |
| M | - | - | 82.2 | 105.9 | New HARD | cut | - | - | - | - | A | Y | ↓ | 4 | ↓ |
| M | - | - | 89.4 | 110 | New HARD | - | bad | - | - | - | A | Y | ↓ | 5 | ↓ |
| M | - | - | 82.5 | 119 | HARD | R | - | - | - | - | A | Y | LIS05LOBR1LOC3 | 1 | 1-3 |
| M | - | - | 79 | 100 | Old HARD | cut | coll | - | - | 2 missing legs | A | Y | ↓ | 2 | ↓ |
| M | - | - | 87 | 115 | HARD | - | - | - | - | - | A | Y | ↓ | 3 | ↓ |
| F | - | - | 86.7 | 114 | Soft | - | - | - | - | - | A | Y | ↓ | 4 | ↓ |
| F | - | - | 73.5 | 89.9 | Soft | - | - | - | - | Missing 1 leg | A | Y | ↓ | 5 | ↓ |

* traps were moved approximately 1 mile north after initial sampling effort to deeper waters
 ~ initial effort only produced 2 lobsters

* 3 lobsters in composite 1 were combined with 2 lobsters collected on 1st REF1 survey effort

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. TRACY

Sampling Date: 7/31/00

Station: Reference 1

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------------------|----------|---------------------|----------------------|---------------|-----------------|-------------------------|----------------|--------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| F | - | - | 81 | 107 | H/ENCR | - | HEIC | - | - | 1 MISSING | A | Y | LIS05LOBR1L0C4 | 1 | 1-3 |
| F | - | - | 77.8 | 101 | SOFT | - | DETACHED | - | - | 2 MISSING | A | Y | | 2 | ↓ |
| M | - | - | 71.5 | 94 | HARD | - | - | - | 2 WOUNDS on carapace | - | A | Y | | 3 | ↓ |
| F | - | - | 89 | 120 | NEW HARD | R | - | - | - | - | A | Y | | 4 | ↓ |
| F | - | - | 76 | 101 | OLD HARD | - | - | - | 1 WOUND on carapace | - | A | Y | | 5 | ↓ |
| M | - | - | 72 | 97 | OLD HARD | PART of crusher missing | - | ENCR. | - | 1 LEG MISSING | A | Y | LIS05LOBR1L0C5 | 1 | 1-3 |
| M | - | - | 85 | 111 | HARD | - | R | - | - | - | A | Y | | 2 | ↓ |
| F | - | - | 72.7 | 96.4 | HARD | - | - | - | - | - | A | Y | | 3 | ↓ |
| F | - | - | 72.4 | 97 | OLD HARD | - | - | - | - | - | A | Y | | 4 | ↓ |
| M | - | - | 80 | 104 | HARD | - | - | - | - | - | A | Y | | 5 | ↓ |

Sex: Male/Female

Egg Bearing:

- Color: Brown (B)
- Green (G)
- Red (R)

Compliment:

1/4 - 1/2 - Full etc..

Shell Condition: Hard/Soft/Encrusting/Paper

Claw Damage: Cull (C)

- Regeneration (R)
- Bud (B)

Condition: Alive/Dead/Stressed

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. Tracey

Sampling Date: 8/2/00 / 817100

Sampling Crew: J. Tracey/ENSR

Fisherman/Boat: D. Pela/Capt

Target Coordinates: 41° 03.8 / ~~72° 13.8~~ (15189.2/43988.4)
73° 13.8

Station: Reference 2

Depth: 72' / 69'

Actual Coordinates - begin haul: 15135.2 14396.1

- end haul: NA 1 NA

of Pots per haul: 6 Days Set: 7/5 Bait: McNaden

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encl) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------|---------|---------------------|----------|--------------|-----------------|-------------------------|----------------|--------|---------------------|
| | M/F | Color | | | | Compl | Crusher | Pincher | Carapace | Abdomen/Tail | | | | | |
| F | - | - | 89 | 117 | SOFT | - | - | - | - | - | A | Y | LIS05LOBR2L0C1 | 1 | 1 |
| F | - | - | 80 | 118 | HARD | - | Bud | - | - | - | A | Y | ↓ | 2 | 1 |
| F | - | - | 81 | 109 | HARD | - | - | - | - | - | A | Y | ↓ | 3 | 1 |
| M | - | - | 78.7 | 102 | HARD | - | - | - | - | - | A | Y | ↓ | 4 | 1 |
| | | | | | | | | | | | | | | | |
| F | - | - | 82 | 118.7 | PAPER | - | - | - | - | - | A | Y | LIS05LOBR2L0C2 | 1 | 1 |
| M | - | - | 82 | 112. | HARD | - | - | - | - | - | A | Y | ↓ | 2 | 1 |
| M | - | - | 80 | 102.5 | H/Encl | Abciss | - | - | - | - | A | Y | ↓ | 3 | 1 |
| F | - | - | 77.2 | 105.9 | HARD | - | - | - | - | - | A | Y | ↓ | 4 | 1 |
| | | | | | | | | | | | | | | | |
| M | - | - | 82 | 97 | HARD | - | - | Healed Rostrum | - | - | A | Y | LIS05LOBR2L0C3 | 1 | 1 |
| F | - | - | 85 | 112 | SOFT | - | - | - | - | - | A | Y | ↓ | 2 | 1 |
| M | - | - | 78 | 103.6 | HARD | - | - | - | - | - | A | Y | ↓ | 3 | 1 |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

812100
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COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. TRACY

Sampling Date: 8/2/00 / 8/7/00

Station: Reference 2

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------|---------|---------------------|----------|--------------|-----------------|-------------------------|----------------|---|---------------------|
| | M/F | Color | | | | Compl | Crusher | Pincher | Carapace | Abdomen/Tail | | | | | |
| F | - | - | 71 | 94 | Encr | - | - | - | - | - | A | Y | LIS05LOBR2L0C4 | 1 | 1 |
| F | - | - | 75 | 100 | H | - | - | - | - | - | A | Y | | 2 | 1 |
| M | - | - | 82 | NA | H | cull | - | HEARD RESIDUE | - | - | A | Y | | 3 | 1 |
| F | - | - | 79 | 107 | H | cull | - | - | - | - | A | Y | ↓ | 4 | 1 |
| | | | | | | | | | | | | | | | |
| F | - | - | 83 | 109 | H | Injury | - | - | - | - | A | Y | LIS05LOBR2L0C5 | 1 | 1 |
| F | - | - | 77 | 105 | encr | - | - | - | - | - | A | Y | | 2 | 1 |
| M | - | - | 78 | 104 | H | - | - | - | - | - | A | Y | | 3 | 1 |
| F | - | - | 86 | 110 | H | - | - | - | - | - | A | Y | ↓ | 4 | 1 |

8/7/00

8/7/00

Sex: Male/Female

Egg Bearing:

- Color: Brown (B)
- Green (G)
- Red (R)

Compliment:

1/4 - 1/2 - Full etc..

Shell Condition: Hard/Soft/Encrusting/Paper

Claw Damage: Cull (C)

- Regeneration (R)
- Bud (B)

Condition: Alive/Dead/Stressed

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. Tracey

Sampling Date: 8/17/00

Sampling Crew: J. Tracey/ENSR

Station: Reference 3

Fisherman/Boat: C. Andrade /Capt

Depth: 90'

Target Coordinates: 41° 08.27 / 72° 39.14 (14957.0/43969.5)

Actual Coordinates - begin haul : 14957.6 / 43973.3

of Pots per haul: 10 Days Set: 6 Bait: Mennaden

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------|---------|---------------------|--------------|-----|-----------------|-------------------------|----------------|----------------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| F | - | - | 81.0 | 108 | H | - | coll | - | - | - | A | Y | LIS05LOBR3LOC1 | 1 | 1 |
| F | - | - | 82.0 | 109 | H | - | - | - | - | - | A | Y | ↓ | 2 | 1 |
| M | - | - | 80.0 | 105 | H | - | coll | - | - | - | A | Y | | 3 | 1 |
| F | - | - | 87.0 | 109 | H | - | - | Healed Rostrum | - | - | A | Y | | 4 | 1 |
| F | - | - | 83.0 | 110 | H | - | - | - | - | - | A | Y | | 5 | 1 |
| F | - | - | 81 | 117 | Hard/Encr | - | - | - | - | - | A | Y | | LIS05LOBR3LOC2 | 1 |
| F | - | - | 83 | 109 | H | Dent | injury | - | - | - | A | Y | ↓ | 2 | 1 |
| F | - | - | 81 | 108 | H | - | - | - | - | - | A | Y | | 3 | 1 |
| M | - | - | 82 | 108 | H | injury | Dent | injury | - | - | A | Y | | 4 | 1 |
| F | - | - | 83 | 111 | H | Dent | - | - | - | - | A | Y | | 5 | 1 |
| F | - | - | 82.5 | 110 | H | - | - | - | - | - | A | Y | | LIS05LOBR3LOC3 | 1 |
| F | - | - | 80 | 112 | H | - | - | - | - | - | A | Y | ↓ | 2 | 1 |
| F | - | - | 81 | 113 | H | - | - | - | - | - | A | Y | | 3 | 1 |
| M | - | - | 87 | 112 | H | - | - | - | - | - | A | Y | | 4 | 1 |
| M | - | - | 83 | 107 | H | - | - | - | - | - | A | Y | | 5 | 1 |

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. Tracey

Sampling Date: 8/17/00

Station: Reference 3

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------|---------|---------------------|--------------|-----|-----------------|-------------------------|----------------|--------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| M | - | - | 88 | 111 | H | - | - | - | - | - | A | Y | LIS05LOBR3L0C4 | 1 | 1 |
| M | - | - | 79.5 | 102 | H | Bud | - | - | - | - | A | Y | | 2 | 1 |
| M | - | - | 92 | 118 | H | - | - | - | - | - | A | Y | | 3 | 1 |
| F | - | - | 84 | 112 | H | CSD | Cull | - | - | - | A | Y | | 4 | 1 |
| F | - | - | 82 | 104 | H | - | - | - | - | - | A | Y | ↓ | 5 | 1 |
| M | - | - | 81 | 109 | H | - | - | - | - | - | A | Y | LIS05LOBR3L0C5 | 1 | 1 |
| M | - | - | 84 | 110 | H | - | R | - | - | - | A | Y | | 2 | 1 |
| F | - | - | 80 | 108 | H | Cull | injury | - | - | - | A | Y | | 3 | 1 |
| F | - | - | 84 | 110 | H | - | - | - | - | - | A | Y | | 4 | 1 |
| F | - | - | 85 | 111 | H | - | - | - | - | - | A | Y | ↓ | 5 | 1 |

Sex: Male/Female
 Egg Bearing:
 Color: Brown (B)
 Green (G)
 Red (R)
 Compliment:
 1/4 - 1/2 - Full etc..
 Shell Condition: Hard/Soft/Encrusting/Paper
 Claw Damage: Cull (C)
 Regeneration (R)
 Bud (B)
 Condition: Alive/Dead/Stressed

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. Tracey

Sampling Date: 7/31/00

Tape Name: NA

Sampling Crew: S. Kelly/ENSR

Station: Reference 4

Fisherman/Boat: M.Theiler/Capt

Depth: 145'

Target Coordinates: 41° 13.334 / 72° 00.242 (14750/43969.6)

Actual Coordinates - begin haul : 14746.4/43970.6

- end haul : 14747.6/43970.6

of Pots per haul: 10 Days Set: 5 Bait: herring

- begin haul : 14748.0/43970.5

- end haul : 14749.4/43970.5

- begin haul : 14746.1/43971.6

- end haul : 14747.4/43971.6

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encl) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|---------------|---------|---------------------|---------------|-----------------|-----------------|-------------------------|----------------|--------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| F | - | - | 87.4 | 119.7 | H | - | - | - | - | 1st Leg Missing | A | Y | LIS05LOBR4LOC1 | 1 | 1-3 |
| F | - | - | 84.3 | 111.4 | H | CSD | CSD | CSD | - | - | A | Y | | 2 | |
| F | - | - | 86.4 | 112.4 | H | - | - | - | - | - | A | Y | | 3 | |
| F | - | - | 91.6 | 119.6 | H | Healed injury | - | - | - | - | A | Y | | 4 | |
| F | - | - | 86.3 | 111.3 | H | - | - | - | - | - | A | Y | ↓ | 5 | ↓ |
| | | | | | | | | | | | | | | | |
| F | - | - | 82.2 | 104 | H | - | - | - | - | - | A | Y | LIS05LOBR4LOC2 | 1 | 1-3 |
| F | - | - | 84.3 | 112.4 | H | - | - | - | - | - | A | Y | | 2 | |
| F | - | - | 81.2 | 109.2 | S | - | - | - | - | - | A | Y | | 3 | |
| M | - | - | 92.6 | 119.7 | H | - | - | - | - | - | A | Y | | 4 | |
| F | - | - | 85.3 | 103 | H | - | - | - | Recent injury | - | A | Y | ↓ | 5 | ↓ |
| | | | | | | | | | | | | | | | |
| F | - | - | 83.2 | 92.6 | H | - | - | Broken Rostrum | CSD | - | A | Y | LIS05LOBR4LOC3 | 1 | 1-3 |
| F | - | - | 83.2 | 108.2 | H | - | - | - | - | - | A | Y | | 2 | |
| M | - | - | 86.3 | 112.4 | H | chipped shell | - | - | - | - | A | Y | | 3 | |
| M | - | - | 82.2 | 101.1 | H | - | - | Gills exposed | - | - | A | Y | | 4 | |
| F | - | - | 90.5 | 117.6 | H | - | - | - | - | 1 leg missing | A | Y | ↓ | 5 | ↓ |

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. TRACEY

Sampling Date: 7/31/00

Station: Reference 4

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------|---------|---------------------|----------------|-----|-----------------|-------------------------|----------------|--------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| M | - | - | 83.2 | 107.2 | H | - | - | - | - | - | A | Y | LIS05LOBR4LOC4 | 1 | 1-3 |
| F | - | - | 85.3 | 114.4 | H | - | - | - | - | - | A | Y | | 2 | |
| F | - | - | 81.3 | 115.5 | H | - | - | - | - | - | A | Y | | 3 | |
| F | - | - | 82.2 | 110.3 | H | - | - | - | - | - | A | Y | | 4 | |
| F | - | - | >80. | - | H | - | Bud | - | INJURED TAIL | - | A | Y | ↓ | 5 | ↓ |
| F | - | - | 84.3 | 92.6 | H | - | - | - | MISSING UROPOD | - | A | Y | LIS05LOBR4LOC5 | 1 | 1-3 |
| F | - | - | 82.2 | 112.4 | H | - | - | - | - | - | A | Y | | 2 | |
| F | - | - | 87.4 | 112.4 | H | - | - | - | - | - | A | Y | | 3 | |
| F | - | - | 85.3 | 112.4 | H | - | - | - | - | - | A | Y | | 4 | |
| F | - | - | 81.4 | 117.6 | H | - | - | - | - | - | A | Y | ↓ | 5 | ↓ |

Sex: Male/Female
 Egg Bearing:
 Color: Brown (B)
 Green (G)
 Red (R)
 Compliment:
 1/4 - 1/2 - Full etc..
 Shell Condition: Hard/Soft/Encrusting/Paper
 Claw Damage: Cull (C)
 Regeneration (R)
 Bud (B)
 Condition: Alive/Dead/Stressed

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. Tracey

Sampling Date: 8/5/00*

Sampling Crew: S. Olszewski/RIDEM - Marine Fisheries

Station: Reference 5

Fisherman/Boat: R. Campanali/Owner

Depth: 70'

Target Coordinates: Hudson Canyon

Actual Coordinates - begin haul : ~~26713.7~~ ^{14957.9} ~~43111.0~~ ^{43110.3}

- end haul : ~~43988.3~~ ^{14953.4} / ~~43988.3~~ ^{43115.1}

of Pots per haul: 15 Days Set: 4 Bait: Menhaden

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------|---------|---------------------|--------------|-----|-----------------|-------------------------|----------------|--------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| F | - | - | 91 | 123 | New HARD | - | - | - | - | - | A | Y | LIS05LOBR3LOC1 | 1 | 1 |
| M | - | - | 96 | 128 | " | - | - | - | - | - | A | Y | | 2 | 1 |
| M | - | - | 93 | 121 | Soft | - | - | - | - | - | A | Y | | 3 | 1 |
| F | - | - | 86 | 114 | New HARD | - | - | - | - | - | A | Y | | 4 | 1 |
| F | - | - | 85 | 116 | " | - | - | - | - | - | A | Y | ≡ | 5 | 1 |
| M | - | - | 97 | 128 | New HARD | - | - | - | - | - | - | Y | LIS05LOBR3LOC2 | 1 | 1 |
| F | - | - | 90 | 112 | " | - | - | Healed Rostrum | - | - | - | Y | | 2 | 1 |
| M | - | - | 93 | 122 | " | - | - | - | - | - | - | Y | | 3 | 1 |
| M | - | - | 84 | 110 | " | - | - | - | - | - | - | Y | | 4 | 1 |
| F | - | - | 91 | 121 | " | - | - | - | - | - | - | Y | ≡ | 5 | 1 |
| M | - | - | 87 | 114 | New HARD | W11 | - | - | - | - | - | Y | LIS05LOBR3LOC3 | 1 | 1 |
| F | - | - | 92.5 | NA | " | - | - | Healed Rostrum | - | - | - | Y | | 2 | 1 |
| M | - | - | 88 | 117 | " | - | - | - | - | - | - | Y | | 3 | 1 |
| F | - | - | 91 | 122 | " | - | - | - | - | - | - | Y | | 4 | 1 |
| F | - | - | 87 | 113 | " | - | - | - | - | - | - | Y | ≡ | 5 | 1 |

* Data: lobsters were brought into port, lobsters were collected approximately 3-5 days earlier and kept alive in a circulating holding tank, isolated from all other lobsters.

COMMERCIAL SEA SAMPLING DATA SHEET

Recorder J. Tracey

Sampling Date: 8/1⁵/00

Station: Reference 5

| Sex | Egg Bearing | | Carapace Length (mm) | Rostrum Length (mm) | Shell Condition (Hard/Encr) | Claw Damage | | Damage Observations | | | Condition A/D/S | Retained for Sample Y/N | Sample ID | # of 5 | Trawl # per Station |
|-----|-------------|-------|----------------------|---------------------|-----------------------------|-------------|---------|---------------------|--------------|-----|-----------------|-------------------------|----------------|--------|---------------------|
| | Color | Compl | | | | Crusher | Pincher | Carapace | Abdomen/Tail | Leg | | | | | |
| F | - | - | 90 | 122 | - | - | - | - | - | - | A | Y | LIS05LOBR3LOC4 | 1 | 1 |
| M | - | - | 92 | 116 | - | - | - | - | - | - | A | Y | | 2 | 1 |
| M | - | - | 100 | 125 | - | - | - | - | - | - | A | Y | | 3 | 1 |
| F | - | - | 86 | 119 | - | - | - | - | - | - | A | Y | | 4 | 1 |
| F | - | - | 86 | 114 | - | - | - | - | - | - | A | Y | ↓ | 5 | 1 |
| F | - | - | 92 | 124 | - | - | - | - | - | - | A | Y | LIS05LOBR3LOC5 | 1 | 1 |
| F | - | - | 98 | 133 | - | - | - | - | - | - | A | Y | | 2 | 1 |
| M | - | - | 85 | 113 | - | - | - | - | - | - | A | Y | | 3 | 1 |
| M | - | - | 88 | 116 | - | - | - | - | - | - | A | Y | | 4 | 1 |
| M | - | - | 96 | 127 | - | - | - | - | - | - | A | Y | ↓ | 5 | 1 |

Sex: Male/Female
 Egg Bearing:
 Color: Brown (B)
 Green (G)
 Red (R)
 Compliment:
 1/4 - 1/2 - Full etc..
 Shell Condition: Hard/Soft/Encrusting/Paper
 Claw Damage: Cull (C)
 Regeneration (R)
 Bud (B)
 Condition: Alive/Dead/Stressed