

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>              | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|---------------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2005-03 | 19             | ABLENNES HIANS            | 11034             | 300          |              |              |
| USGS-GM-2005-03 | 7              | ALECTIS CILIARIS          | 11012             |              | 460          |              |
| USGS-GM-2005-03 | 30             | ALUTERUS SCRIPTUS         | 11074             | 75           |              |              |
| USGS-GM-2005-03 | 30             | ALUTERUS SCRIPTUS         | 11075             | 142          |              |              |
| USGS-GM-2004-03 | 9004           | ANTHIIDAE SP. #1          | 7528              | 169          |              |              |
| USGS-GM-2004-03 | 9004           | ANTHIIDAE SP. #1          | 7529              | 179          |              |              |
| USGS-GM-2004-03 | 9004           | ANTHIIDAE SP. #1          | 7530              | 149          |              |              |
| USGS-GM-2004-03 | 9004           | ANTHIIDAE SP. #1          | 7531              | 121          |              |              |
| USGS-GM-2005-03 | 53             | ANTIPATHES                | 11123             |              |              |              |
| USGS-GM-2005-03 | 56             | ANTIPATHES                | 11135             |              |              |              |
| USGS-GM-2005-03 | 72             | ANTIPATHES                | 11162             |              |              |              |
| USGS-GM-2005-03 | 58             | AULOSTOMUS MACULATUS      | 11136             |              |              |              |
| USGS-GM-2005-03 | 49             | BALISTES CAPRISCUS        | 11118             | 400          |              |              |
| USGS-GM-2005-03 | 68             | BALISTES CAPRISCUS        | 11152             | 330          |              |              |
| USGS-GM-2005-03 | 16             | BALISTES CAPRISCUS        | 11031             | 52           |              |              |
| USGS-GM-2005-03 | 3              | BASKET STAR               | 11001             |              |              |              |
| USGS-GM-2004-03 | 9007           | BATHYGADUS MELANOBRANCHUS | 7705              |              |              |              |
| USGS-GM-2004-03 | 9007           | BATHYGADUS MELANOBRANCHUS | 7706              |              |              |              |
| USGS-GM-2004-03 | 9007           | BATHYGADUS MELANOBRANCHUS | 7707              |              |              |              |
| USGS-GM-2004-03 | JSL-4748       | BATHYNECTES               | 7713              |              |              |              |
| USGS-GM-2005-03 | 74             | BATHYNECTES CRAB          | 11166             |              |              |              |
| USGS-GM-2005-03 | 74             | BATHYNECTES CRAB          | 11169             |              |              |              |
| USGS-GM-2005-03 | 74             | BATHYNECTES CRAB          | 11170             |              |              |              |
| USGS-GM-2005-03 | 74             | BATHYNECTES CRAB          | 11171             |              |              |              |
| USGS-GM-2005-04 | JSL-4881       | BATHYNECTES CRAB          | 11091             |              |              |              |
| USGS-GM-2004-03 | JSL-4750       | BATHYNECTES LONGISPINA    | 7734              |              |              |              |
| USGS-GM-2005-03 | 74             | BATHYNOMOUS               | 11164             |              |              |              |
| USGS-GM-2005-03 | 75             | BATHYNOMOUS               | 11176             |              |              |              |
| USGS-GM-2005-03 | 53             | BEERYCE GORGONIAN FAN     | 11124             |              |              |              |
| USGS-GM-2005-03 | 56             | BEERYCE GORGONIAN FAN     | 11133             |              |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS     | 7589              | 254          |              |              |

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| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>          | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|-----------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7590              | 211          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7591              | 209          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7592              | 208          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7593              | 242          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7594              | 181          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7595              | 243          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7596              | 170          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7597              | 230          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7598              | 212          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7599              | 242          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7600              | 203          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7601              | 144          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7602              | 91           |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7603              | 232          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7604              | 173          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7605              | 190          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7606              | 279          |              |              |
| USGS-GM-2004-03 | 9004           | BEMBROPS ANATIROSTRIS | 7607              | 238          |              |              |
| USGS-GM-2005-04 | JSL-4876       | BLACK CORAL           | 11024             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | BLACK CORAL           | 11025             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | BLACK CORAL           | 11026             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | BLACK CORAL           | 11043             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | BLACK CORAL           | 11044             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | BLACK CORAL           | 11045             |              |              |              |
| USGS-GM-2004-03 | JSL-4744       | BLACK CORAL TISSUE    | 7500              |              |              |              |
| USGS-GM-2004-03 | JSL-4744       | BLACK CORAL TISSUE    | 7501              |              |              |              |
| USGS-GM-2004-03 | JSL-4744       | BLACK CORAL TISSUE    | 7502              |              |              |              |
| USGS-GM-2004-03 | JSL-4744       | BLACK CORAL TISSUE    | 7503              |              |              |              |
| USGS-GM-2004-03 | JSL-4744       | BLACK CORAL TISSUE    | 7504              |              |              |              |
| USGS-GM-2004-03 | JSL-4744       | BLACK CORAL TISSUE    | 7505              |              |              |              |
| USGS-GM-2004-03 | JSL-4744       | BLACK CORAL TISSUE    | 7506              |              |              |              |

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| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>            | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|-------------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | JSL-4744       | BLACK CORAL TISSUE      | 7507              |              |              |              |
| USGS-GM-2004-03 | JSL-4744       | BLACK CORAL TISSUE      | 7508              |              |              |              |
| USGS-GM-2004-03 | JSL-4744       | BLACK CORAL TISSUE      | 7509              |              |              |              |
| USGS-GM-2005-04 | JSL-4877       | BRISINGID STARFISH      | 11052             |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7549              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7560              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7561              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7562              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7563              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7564              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7565              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7566              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7567              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7568              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7569              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7569              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7570              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7571              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7572              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7573              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7574              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7575              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7576              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7577              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7578              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7579              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7580              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7581              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7582              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7583              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS | 7584              |              |              |              |

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| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>             | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|--------------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS  | 7585              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS  | 7586              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS  | 7587              |              |              |              |
| USGS-GM-2004-03 | 9004           | CAELORINCHUS CARIBBAEUS  | 7588              |              |              |              |
| USGS-GM-2004-03 | 9011           | CANTHIDEIMIS MACULATUS   | 7719              | 57           |              |              |
| USGS-GM-2004-03 | 9011           | CANTHIDEIMIS MACULATUS   | 7720              | 64           |              |              |
| USGS-GM-2005-03 | 50             | CARANX CRYOSOS           | 11120             |              | 332          |              |
| USGS-GM-2004-03 | 9020           | CARANX SP.               | 7823              |              |              |              |
| USGS-GM-2004-03 | 9020           | CARANX SP.               | 7824              |              |              |              |
| USGS-GM-2004-03 | 9020           | CARANX SP.               | 7825              |              |              |              |
| USGS-GM-2004-03 | 9020           | CARANX SP.               | 7826              |              |              |              |
| USGS-GM-2005-03 | 14             | CARANX SP.               | 11024             |              |              | 17           |
| USGS-GM-2005-03 | 14             | CARANX SP.               | 11025             |              |              | 13           |
| USGS-GM-2005-03 | 14             | CARANX SP.               | 11026             |              |              | 18           |
| USGS-GM-2005-03 | 14             | CARANX SP.               | 11027             |              |              | 14           |
| USGS-GM-2005-03 | 14             | CARANX SP.               | 11028             |              |              | 14           |
| USGS-GM-2005-03 | 14             | CARANX SP.               | 11029             |              |              | 20           |
| USGS-GM-2005-03 | 14             | CARANX SP.               | 11030             |              |              | 18           |
| USGS-GM-2005-03 | 16             | CARANX SP.               | 11033             |              |              | 16           |
| USGS-GM-2005-03 | 30             | CARANX SP.               | 11077             |              |              | 38           |
| USGS-GM-2004-03 | 9005           | CARCHARHINUS FALCIFORMIS | 7737              | 615          |              |              |
| USGS-GM-2005-03 | 74             | CHAECON CRAB             | 11167             |              |              |              |
| USGS-GM-2005-03 | 58             | CHROMIS ENCHRYSURA       | 11137             | 70           |              |              |
| USGS-GM-2005-03 | 58             | CHROMIS ENCHRYSURA       | 11138             | 80           |              |              |
| USGS-GM-2005-03 | 44             | CONGER OCEANICUS         | 11111             |              |              | 65           |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS         | 11178             |              |              | 820          |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS         | 11179             |              |              | 810          |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS         | 11180             | 255          |              |              |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS         | 11181             |              |              | 873          |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS         | 11182             |              |              | 908          |

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| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>         | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|----------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS     | 11183             |              |              | 740          |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS     | 11184             |              |              | 1100         |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS     | 11185             |              |              | 1216         |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS     | 11186             |              |              | 690          |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS     | 11187             |              |              | 1070         |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS     | 11188             |              |              | 1005         |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS     | 11189             |              |              | 778          |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS     | 11190             |              |              | 955          |
| USGS-GM-2005-03 | 75             | CONGER OCEANICUS     | 11191             |              |              | 1050         |
| USGS-GM-2004-03 | 9012           | CORYPHAENA HIPPIURUS | 7714              |              | 392          | 488          |
| USGS-GM-2004-03 | 9012           | CORYPHAENA HIPPIURUS | 7715              |              | 488          | 588          |
| USGS-GM-2004-03 | 9012           | CORYPHAENA HIPPIURUS | 7716              |              | 418          | 504          |
| USGS-GM-2004-03 | 9012           | CORYPHAENA HIPPIURUS | 7717              |              | 458          | 553          |
| USGS-GM-2004-03 | 9012           | CORYPHAENA HIPPIURUS | 7718              |              | 380          | 464          |
| USGS-GM-2005-03 | 14             | CORYPHAENA HIPPIURUS | 11022             | 46           |              |              |
| USGS-GM-2005-03 | 19             | CORYPHAENA SP.       | 11065             |              |              | 30           |
| USGS-GM-2005-04 | 16             | CYCLOTHONE SP.       | 11057             |              |              |              |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11042             |              |              | 27           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11043             |              |              | 30           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11044             |              |              | 26           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11045             |              |              | 29           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11046             |              |              | 27           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11047             |              |              | 30           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11048             |              |              | 28           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11049             |              |              | 29           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11050             |              |              | 28           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11051             |              |              | 29           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11052             |              |              | 26           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11053             |              |              | 29           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11054             |              |              | 27           |
| USGS-GM-2005-03 | 19             | DECAPTERUS PUNCTATUS | 11055             |              |              | 29           |

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| Cruise          | Station  | Taxon                 | Specimen # | SL mm | FL mm | TL mm |
|-----------------|----------|-----------------------|------------|-------|-------|-------|
| USGS-GM-2005-03 | 19       | DECAPTERUS PUNCTATUS  | 11056      |       |       | 28    |
| USGS-GM-2005-03 | 19       | DECAPTERUS PUNCTATUS  | 11057      |       |       | 29    |
| USGS-GM-2005-03 | 19       | DECAPTERUS PUNCTATUS  | 11058      |       |       | 27    |
| USGS-GM-2005-03 | 19       | DECAPTERUS PUNCTATUS  | 11059      |       |       | 27    |
| USGS-GM-2005-03 | 19       | DECAPTERUS PUNCTATUS  | 11060      |       |       | 28    |
| USGS-GM-2005-03 | 19       | DECAPTERUS PUNCTATUS  | 11061      |       |       | 29    |
| USGS-GM-2005-03 | 19       | DECAPTERUS PUNCTATUS  | 11062      |       |       | 30    |
| USGS-GM-2005-03 | 19       | DECAPTERUS PUNCTATUS  | 11063      |       |       | 29    |
| USGS-GM-2005-03 | 19       | DECAPTERUS PUNCTATUS  | 11064      |       |       | 26    |
| USGS-GM-2005-03 | 42       | DECAPTERUS PUNCTATUS  | 11106      |       | 175   |       |
| USGS-GM-2004-03 | 9007     | DIBRANCHUS ATLANTICUS | 7666       | 72    |       |       |
| USGS-GM-2004-03 | 9007     | DIBRANCHUS ATLANTICUS | 7667       | 81    |       |       |
| USGS-GM-2004-03 | 9007     | DIBRANCHUS ATLANTICUS | 7668       | 70    |       |       |
| USGS-GM-2004-03 | 9007     | DIBRANCHUS ATLANTICUS | 7669       | 72    |       |       |
| USGS-GM-2004-03 | 9007     | DIBRANCHUS ATLANTICUS | 7670       | 80    |       |       |
| USGS-GM-2004-03 | 9007     | DIBRANCHUS ATLANTICUS | 7671       | 63    |       |       |
| USGS-GM-2004-03 | 9007     | DIBRANCHUS ATLANTICUS | 7672       | 72    |       |       |
| USGS-GM-2004-03 | 9007     | DIBRANCHUS ATLANTICUS | 7673       | 70    |       |       |
| USGS-GM-2004-03 | 9007     | DIBRANCHUS ATLANTICUS | 7674       | 84    |       |       |
| USGS-GM-2004-03 | 9007     | DIBRANCHUS ATLANTICUS | 7675       | 92    |       |       |
| USGS-GM-2004-03 | 9007     | DIBRANCHUS ATLANTICUS | 7676       | 70    |       |       |
| USGS-GM-2004-03 | 9007     | DIBRANCHUS ATLANTICUS | 7708       | 73    |       |       |
| USGS-GM-2005-03 | 31       | ECHENEIS NAUCRATES    | 11078      |       |       | 606   |
| USGS-GM-2005-03 | 32       | ECHENEIS NAUCRATES    | 11081      | 780   |       |       |
| USGS-GM-2005-03 | 63       | ECHENEIS NAUCRATES    | 11144      | 610   |       |       |
| USGS-GM-2005-04 | JSL-4877 | ECHINUS TYLODES       | 11053      |       |       |       |
| USGS-GM-2005-04 | JSL-4879 | ECHINUS TYLODES       | 11065      |       |       |       |
| USGS-GM-2005-04 | 19       | EEL LARVAE            | 11070      |       |       |       |
| USGS-GM-2005-04 | 19       | EEL LARVAE            | 11071      |       |       |       |
| USGS-GM-2005-04 | 19       | EEL LARVAE            | 11072      |       |       |       |
| USGS-GM-2005-04 | 19       | EEL LARVAE            | 11073      |       |       |       |

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| Cruise          | Station  | Taxon             | Specimen # | SL mm     | FL mm | TL mm |
|-----------------|----------|-------------------|------------|-----------|-------|-------|
| USGS-GM-2005-04 | 19       | EEL LARVAE        | 11074      |           |       |       |
| USGS-GM-2005-04 | 19       | EEL LARVAE        | 11075      |           |       |       |
| USGS-GM-2005-04 | 19       | EEL LARVAE        | 11076      |           |       |       |
| USGS-GM-2005-04 | 19       | EEL LARVAE        | 11077      |           |       |       |
| USGS-GM-2005-04 | 19       | EEL LARVAE        | 11078      |           |       |       |
| USGS-GM-2005-04 | 19       | EEL LARVAE        | 11079      |           |       |       |
| USGS-GM-2005-03 | 6        | EPINEPHELUS MORIO | 11006      |           |       |       |
| USGS-GM-2005-03 | 32       | EPINEPHELUS MORIO | 11080      | 410       |       |       |
| USGS-GM-2005-03 | 33       | EPINEPHELUS MORIO | 11085      | 465       |       |       |
| USGS-GM-2005-03 | 34       | EPINEPHELUS MORIO | 11088      | 410       |       |       |
| USGS-GM-2005-03 | 47       | EPINEPHELUS MORIO | 11112      | 437       |       |       |
| USGS-GM-2005-03 | 47       | EPINEPHELUS MORIO | 11113      | 451       |       |       |
| USGS-GM-2005-03 | 48       | EPINEPHELUS MORIO | 11115      | 448       |       |       |
| USGS-GM-2005-03 | 50       | EPINEPHELUS MORIO | 11121      | 475       |       |       |
| USGS-GM-2005-03 | 51       | EPINEPHELUS MORIO | 11122      | 420       |       |       |
| USGS-GM-2005-03 | 63       | EPINEPHELUS MORIO | 11145      | 500       |       |       |
| USGS-GM-2005-03 | 63       | EPINEPHELUS MORIO | 11146      | 620       |       |       |
| USGS-GM-2005-03 | 64       | EPINEPHELUS MORIO | 11147      | 440       |       |       |
| USGS-GM-2005-03 | 67       | EPINEPHELUS MORIO | 11151      | 480       |       |       |
| USGS-GM-2005-03 | 74       | ETMOPTERUS SP.    | 11165      |           |       | 585   |
| USGS-GM-2004-03 | JSL-4749 | EUMUNIDA PICTA    | 7721       | cl - 34.7 |       |       |
| USGS-GM-2004-03 | JSL-4749 | EUMUNIDA PICTA    | 7722       | cl 43.0   |       |       |
| USGS-GM-2004-03 | JSL-4751 | EUMUNIDA PICTA    | 7736       | cl - 34.7 |       |       |
| USGS-GM-2004-03 | JSL-4752 | EUMUNIDA PICTA    | 7760       | cl 33.2   |       |       |
| USGS-GM-2004-03 | 9007     | GERYONIDAE CRAB   | 7616       | CW 45.4   |       |       |
| USGS-GM-2004-03 | 9007     | GERYONIDAE CRAB   | 7617       | CW 32.6   |       |       |
| USGS-GM-2004-03 | 9007     | GERYONIDAE CRAB   | 7618       | CW 42.1   |       |       |
| USGS-GM-2004-03 | 9007     | GERYONIDAE CRAB   | 7619       | CW 56.4   |       |       |
| USGS-GM-2004-03 | 9007     | GERYONIDAE CRAB   | 7620       | CW 36.3   |       |       |
| USGS-GM-2004-03 | 9007     | GERYONIDAE CRAB   | 7621       | CW 28.2   |       |       |
| USGS-GM-2004-03 | 9007     | GERYONIDAE CRAB   | 7622       | CW 46.1   |       |       |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>    | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|-----------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | 9007           | GERYONIDAE CRAB | 7623              | CW 48.4      |              |              |
| USGS-GM-2004-03 | 9007           | GERYONIDAE CRAB | 7624              | CW 42.1      |              |              |
| USGS-GM-2004-03 | 9007           | GERYONIDAE CRAB | 7625              | CW 49.6      |              |              |
| USGS-GM-2004-03 | 9007           | GERYONIDAE CRAB | 7626              | CW 40.5      |              |              |
| USGS-GM-2004-03 | 9007           | GERYONIDAE CRAB | 7627              | CW 44.7      |              |              |
| USGS-GM-2004-03 | 9007           | GERYONIDAE CRAB | 7628              | CW 45.7      |              |              |
| USGS-GM-2004-03 | 9007           | GERYONIDAE CRAB | 7629              | CW 48.3      |              |              |
| USGS-GM-2004-03 | 9007           | GERYONIDAE CRAB | 7630              | CW 41.9      |              |              |
| USGS-GM-2004-03 | 9014           | GERYONIDAE CRAB | 7723              |              |              |              |
| USGS-GM-2004-03 | 9014           | GERYONIDAE CRAB | 7724              |              |              |              |
| USGS-GM-2004-03 | 9014           | GERYONIDAE CRAB | 7725              |              |              |              |
| USGS-GM-2004-03 | 9014           | GERYONIDAE CRAB | 7726              |              |              |              |
| USGS-GM-2004-03 | 9014           | GERYONIDAE CRAB | 7727              |              |              |              |
| USGS-GM-2004-03 | 9014           | GERYONIDAE CRAB | 7728              |              |              |              |
| USGS-GM-2004-03 | 9014           | GERYONIDAE CRAB | 7729              |              |              |              |
| USGS-GM-2004-03 | 9014           | GERYONIDAE CRAB | 7730              |              |              |              |
| USGS-GM-2004-03 | 9014           | GERYONIDAE CRAB | 7731              |              |              |              |
| USGS-GM-2004-03 | 9014           | GERYONIDAE CRAB | 7732              |              |              |              |
| USGS-GM-2004-03 | JSL-4750       | GERYONIDAE CRAB | 7733              |              |              |              |
| USGS-GM-2004-03 | 9017           | GERYONIDAE CRAB | 7741              | cw 47.6      |              |              |
| USGS-GM-2004-03 | 9017           | GERYONIDAE CRAB | 7742              | cw 42.0      |              |              |
| USGS-GM-2004-03 | 9017           | GERYONIDAE CRAB | 7743              | cw 52.1      |              |              |
| USGS-GM-2004-03 | 9017           | GERYONIDAE CRAB | 7744              | cw 39.5      |              |              |
| USGS-GM-2004-03 | 9017           | GERYONIDAE CRAB | 7745              | cw 44.8      |              |              |
| USGS-GM-2005-04 | JSL-4874       | GLASS SPONGE    | 11012             |              |              |              |
| USGS-GM-2005-04 | JSL-4875       | GLASS SPONGE    | 11017             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | GLASS SPONGE    | 11027             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | GLASS SPONGE    | 11028             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | GLASS SPONGE    | 11029             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | GLASS SPONGE    | 11030             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | GLASS SPONGE    | 11031             |              |              |              |



**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>                | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|-----------------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2005-04 | JSL-4876       | GLASS SPONGE                | 11032             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | GLASS SPONGE                | 11033             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | GLASS SPONGE                | 11034             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | GLASS SPONGE                | 11035             |              |              |              |
| USGS-GM-2005-03 | 11             | GORGONIAN                   | 11017             |              |              |              |
| USGS-GM-2005-03 | 11             | GORGONIAN                   | 11018             |              |              |              |
| USGS-GM-2005-03 | 11             | GORGONIAN                   | 11019             |              |              |              |
| USGS-GM-2005-04 | JSL-4877       | GORGONIAN                   | 11051             |              |              |              |
| USGS-GM-2005-03 | 72             | GORGONIAN (YELLOW FAN)      | 11157             |              |              |              |
| USGS-GM-2004-03 | JSL-4751       | GRAMMICOLEPIS BRACHIUSCULUS | 7740              | 420          |              |              |
| USGS-GM-2005-03 | 74             | HELICOLENUS DACTYLOPTERUS   | 11168             | 250          |              |              |
| USGS-GM-2005-03 | 74             | HELICOLENUS DACTYLOPTERUS   | 11172             | 255          |              |              |
| USGS-GM-2005-03 | 74             | HELICOLENUS DACTYLOPTERUS   | 11173             | 300          |              |              |
| USGS-GM-2005-03 | 75             | HELICOLENUS DACTYLOPTERUS   | 11177             | 240          |              |              |
| USGS-GM-2005-03 | 76             | HELICOLENUS DACTYLOPTERUS   | 11192             | 297          |              |              |
| USGS-GM-2005-03 | 76             | HELICOLENUS DACTYLOPTERUS   | 11193             | 203          |              |              |
| USGS-GM-2005-03 | 76             | HELICOLENUS DACTYLOPTERUS   | 11194             | 310          |              |              |
| USGS-GM-2005-03 | 76             | HELICOLENUS DACTYLOPTERUS   | 11195             | 305          |              |              |
| USGS-GM-2005-03 | 76             | HELICOLENUS DACTYLOPTERUS   | 11196             | 245          |              |              |
| USGS-GM-2005-03 | 76             | HELICOLENUS DACTYLOPTERUS   | 11197             | 198          |              |              |
| USGS-GM-2005-03 | 76             | HELICOLENUS DACTYLOPTERUS   | 11198             | 190          |              |              |
| USGS-GM-2005-03 | 76             | HELICOLENUS DACTYLOPTERUS   | 11199             | 168          |              |              |
| USGS-GM-2005-03 | 76             | HELICOLENUS DACTYLOPTERUS   | 11200             | 288          |              |              |
| USGS-GM-2005-03 | 76             | HELICOLENUS DACTYLOPTERUS   | 11201             | 260          |              |              |
| USGS-GM-2005-03 | 76             | HELICOLENUS DACTYLOPTERUS   | 11202             | 207          |              |              |
| USGS-GM-2004-03 | 9007           | HOPLOSTETHUS MEDITERRANEUS  | 7709              | 80           |              |              |
| USGS-GM-2004-03 | JSL-4751       | HOPLOSTETHUS OCCIDENTALIS   | 7738              | 185          |              |              |
| USGS-GM-2005-03 | 53             | HYDROID                     | 11127             |              |              |              |
| USGS-GM-2005-03 | 56             | HYDROID                     | 11134             |              |              |              |
| USGS-GM-2004-03 | 9020           | KYPHOSUS INCISOR            | 7842              |              |              |              |
| USGS-GM-2005-04 | JSL-4877       | LOPHELIA POLYPS             | 11056             |              |              |              |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>                | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|-----------------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2005-04 | JSL-4877       | LOPHELIA POLYPS             | 11057             |              |              |              |
| USGS-GM-2005-04 | JSL-4877       | LOPHELIA POLYPS             | 11058             |              |              |              |
| USGS-GM-2005-04 | JSL-4877       | LOPHELIA POLYPS             | 11059             |              |              |              |
| USGS-GM-2005-04 | JSL-4877       | LOPHELIA POLYPS             | 11060             |              |              |              |
| USGS-GM-2005-04 | JSL-4877       | LOPHELIA POLYPS             | 11061             |              |              |              |
| USGS-GM-2004-03 | JSL-4744       | LOPHELIA POLYPS             | 7510              |              |              |              |
| USGS-GM-2004-03 | JSL-4751       | LOPHELIA POLYPS             | 7735              |              |              |              |
| USGS-GM-2005-03 | 59             | MALACANTHUS PLUMIERI        | 11139             | 370          |              |              |
| USGS-GM-2004-03 | 9007           | MALACOCEPHALUS OCCIDENTALIS | 7700              |              |              |              |
| USGS-GM-2004-03 | 9007           | MALACOCEPHALUS OCCIDENTALIS | 7701              |              |              |              |
| USGS-GM-2004-03 | 9017           | MALACOCEPHALUS OCCIDENTALIS | 7771              |              |              |              |
| USGS-GM-2004-03 | 9017           | MALACOCEPHALUS OCCIDENTALIS | 7772              |              |              |              |
| USGS-GM-2004-03 | 9017           | MALACOCEPHALUS OCCIDENTALIS | 7773              |              |              |              |
| USGS-GM-2004-03 | 9007           | MUNIDA SP.                  | 7631              | CL 1.24      |              |              |
| USGS-GM-2004-03 | 9007           | MUNIDA SP.                  | 7632              | CL 1.41      |              |              |
| USGS-GM-2004-03 | 9007           | MUNIDA SP.                  | 7633              | CL 1.34      |              |              |
| USGS-GM-2004-03 | 9007           | MUNIDA SP.                  | 7634              | CL 1.41      |              |              |
| USGS-GM-2004-03 | 9007           | MUNIDA SP.                  | 7635              | CL 1.82      |              |              |
| USGS-GM-2004-03 | 9007           | MUNIDA SP.                  | 7636              | CL 1.55      |              |              |
| USGS-GM-2005-03 | 8              | MURAENA RETIFERA            | 11013             |              |              | 723          |
| USGS-GM-2005-03 | 34             | MUSTELUS CANIS              | 11086             | Large        |              |              |
| USGS-GM-2005-03 | 48             | MUSTELUS CANIS              | 11116             | 100          |              |              |
| USGS-GM-2005-03 | 5              | MYCTEROPERCA MICROLEPIS     | 11002             | 805          |              |              |
| USGS-GM-2005-03 | 6              | MYCTEROPERCA PHENAX         | 11005             | 283          |              |              |
| USGS-GM-2005-03 | 6              | MYCTEROPERCA PHENAX         | 11007             | 405          |              |              |
| USGS-GM-2005-03 | 7              | MYCTEROPERCA PHENAX         | 11009             | 537          |              |              |
| USGS-GM-2005-03 | 31             | MYCTEROPERCA PHENAX         | 11079             | 207          |              |              |
| USGS-GM-2005-03 | 33             | MYCTEROPERCA PHENAX         | 11083             | 510          |              |              |
| USGS-GM-2005-03 | 33             | MYCTEROPERCA PHENAX         | 11084             | 650          |              |              |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>           | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|------------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2005-03 | 33             | MYCTEROPERCA PHENAX    | 11087             | 375          |              |              |
| USGS-GM-2005-03 | 34             | MYCTEROPERCA PHENAX    | 11089             |              |              |              |
| USGS-GM-2005-03 | 35             | MYCTEROPERCA PHENAX    | 11091             | 305          |              |              |
| USGS-GM-2005-03 | 36             | MYCTEROPERCA PHENAX    | 11092             | 640          |              |              |
| USGS-GM-2005-03 | 47             | MYCTEROPERCA PHENAX    | 11114             | 357          |              |              |
| USGS-GM-2005-03 | 49             | MYCTEROPERCA PHENAX    | 11117             | 372          |              |              |
| USGS-GM-2005-03 | 49             | MYCTEROPERCA PHENAX    | 11119             | 400          |              |              |
| USGS-GM-2005-03 | 67             | MYCTEROPERCA PHENAX    | 11150             | 399          |              |              |
| USGS-GM-2005-04 | 16             | MYCTOPHID              | 11056             |              |              |              |
| USGS-GM-2005-04 | 20             | MYCTOPHID              | 11080             |              |              |              |
| USGS-GM-2005-04 | 20             | MYCTOPHID              | 11081             |              |              |              |
| USGS-GM-2005-04 | 20             | MYCTOPHID              | 11082             |              |              |              |
| USGS-GM-2005-04 | 20             | MYCTOPHID              | 11083             |              |              |              |
| USGS-GM-2005-03 | 34             | OPSANUS PARDUS         | 11090             | 204          |              |              |
| USGS-GM-2004-03 | 9004           | PARALICHTHYS ALBIGUTTA | 7543              | 422          |              |              |
| USGS-GM-2005-03 | 65             | PARANTHIAS FURCIFER    | 11148             | 226          |              |              |
| USGS-GM-2005-04 | JSL-4882       | PENCIL URCHIN          | 11096             |              |              |              |
| USGS-GM-2005-04 | JSL-4880       | PENCIL URCHIN          | 11069             |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | PENCIL URCHIN #2-RED   | 11046             |              |              |              |
| USGS-GM-2005-03 | 72             | PENCIS URCHIN (SMALL)  | 11163             |              |              |              |
| USGS-GM-2005-03 | 19             | PEPRILUS BURTI         | 11035             | 16           |              |              |
| USGS-GM-2005-03 | 19             | PEPRILUS BURTI         | 11036             | 12           |              |              |
| USGS-GM-2005-03 | 19             | PEPRILUS BURTI         | 11037             | 19           |              |              |
| USGS-GM-2005-03 | 19             | PEPRILUS BURTI         | 11038             | 10           |              |              |
| USGS-GM-2005-03 | 19             | PEPRILUS BURTI         | 11039             | 13           |              |              |
| USGS-GM-2005-03 | 19             | PEPRILUS BURTI         | 11040             | 14           |              |              |
| USGS-GM-2005-03 | 19             | PEPRILUS BURTI         | 11041             | 14           |              |              |
| USGS-GM-2005-03 | 74             | PHYSICULUS FULVUS      | 11174             | 255          |              |              |
| USGS-GM-2005-03 | 74             | PHYSICULUS FULVUS      | 11175             | 237          |              |              |
| USGS-GM-2005-03 | 76             | PHYSICULUS FULVUS      | 11204             | 267          |              |              |
| USGS-GM-2004-03 | JSL-4745       | PHYSICULUS KARRERAE    | 7527              |              |              | 70           |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| Cruise          | Station  | Taxon                | Specimen # | SL mm | FL mm | TL mm |
|-----------------|----------|----------------------|------------|-------|-------|-------|
| USGS-GM-2005-03 | 24       | PHYTOPLANKTON 125    | 11066      |       |       |       |
| USGS-GM-2005-03 | 39       | PHYTOPLANKTON 125    | 11093      |       |       |       |
| USGS-GM-2005-03 | 57       | PHYTOPLANKTON 125    | 11129      |       |       |       |
| USGS-GM-2005-04 | JSL-4875 | PINK ANENOME         | 11018      |       |       |       |
| USGS-GM-2005-04 | JSL-4875 | PINK ANENOME         | 11019      |       |       |       |
| USGS-GM-2005-04 | JSL-4875 | PINK ANENOME         | 11020      |       |       |       |
| USGS-GM-2005-04 | JSL-4876 | PINK SOFT CORAL      | 11049      |       |       |       |
| USGS-GM-2004-03 | 9001     | PLANKTON - 125       | 7512       |       |       |       |
| USGS-GM-2004-03 | 9002     | PLANKTON - 125       | 7514       |       |       |       |
| USGS-GM-2004-03 | 9003     | PLANKTON - 125       | 7516       |       |       |       |
| USGS-GM-2004-03 | 9001     | PLANKTON - 335       | 7513       |       |       |       |
| USGS-GM-2004-03 | 9002     | PLANKTON - 335       | 7515       |       |       |       |
| USGS-GM-2004-03 | 9003     | PLANKTON - 335       | 7517       |       |       |       |
| USGS-GM-2005-03 | 71       | PLANKTON 125         | 11153      |       |       |       |
| USGS-GM-2005-04 | 1        | PLANKTON 125         | 11010      |       |       |       |
| USGS-GM-2005-04 | 11       | PLANKTON 125         | 11022      |       |       |       |
| USGS-GM-2005-04 |          | PLANKTON 125         | 11054      |       |       |       |
| USGS-GM-2005-04 | 24       | PLANKTON 125         | 11093      |       |       |       |
| USGS-GM-2005-04 | 1        | PLANKTON 30          | 11011      |       |       |       |
| USGS-GM-2005-04 | 11       | PLANKTON 30          | 11023      |       |       |       |
| USGS-GM-2005-04 |          | PLANKTON 30          | 11055      |       |       |       |
| USGS-GM-2005-03 | 71       | PLANKTON 335         | 11154      |       |       |       |
| USGS-GM-2005-04 | 1        | PLANKTON 335         | 11009      |       |       |       |
| USGS-GM-2005-04 | 11       | PLANKTON 335         | 11021      |       |       |       |
| USGS-GM-2005-04 | 24       | PLANKTON 335         | 11092      |       |       |       |
| USGS-GM-2004-03 | 9017     | PONTINUS LONGISPINIS | 7765       | 134   |       |       |
| USGS-GM-2004-03 | 9017     | PONTINUS LONGISPINIS | 7766       | 136   |       |       |
| USGS-GM-2004-03 | 9018     | PONTINUS LONGISPINIS | 7763       | 136   |       |       |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>                     | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|----------------------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | 9018           | PONTINUS LONGISPINIS             | 7764              |              |              |              |
| USGS-GM-2004-03 | JSL-4744       | PORTINUS RATHBUNI                | 7511              | 80           |              |              |
| USGS-GM-2004-03 | JSL-4747       | PORTINUS RATHBUNI                | 7615              | 96           |              |              |
| USGS-GM-2005-03 | 61             | PRIACANTHUS ARENATUS             | 11143             | 233          |              |              |
| USGS-GM-2005-03 | 1              | PRISTIGENYS ALTA                 | 11000             | 167          |              |              |
| USGS-GM-2005-03 | 59             | PRISTIGENYS ALTA                 | 11140             | 155          |              |              |
| USGS-GM-2005-03 | 59             | PRISTIGENYS ALTA                 | 11141             | 187          |              |              |
| USGS-GM-2005-03 | 61             | PRISTIGENYS ALTA                 | 11142             | 166          |              |              |
| USGS-GM-2005-03 | 53             | PURPLE GORGONIAN FAN             | 11126             |              |              |              |
| USGS-GM-2005-03 | 56             | PURPLE GORGONIAN FAN             | 11131             |              |              |              |
| USGS-GM-2005-03 | 72             | RED SEA WHIP GORGONIAN           | 11156             |              |              |              |
| USGS-GM-2005-03 | 72             | RED THIN BRANCHING THESEA GORGOI | 11155             |              |              |              |
| USGS-GM-2005-03 | 7              | SARDA SARDA                      | 11011             |              | 725          |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM                        | 7809              |              |              |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM                        | 7810              |              |              |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM                        | 7811              |              |              |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM                        | 7812              |              |              |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM                        | 7813              |              |              |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM                        | 7814              |              |              |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM                        | 7815              |              |              |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM                        | 7816              |              |              |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM                        | 7817              |              |              |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM                        | 7818              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM CRAB                   | 7650              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM CRAB                   | 7698              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM CRAB                   | 7699              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM CRAB                   | 7700              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM CRAB                   | 7701              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM CRAB                   | 7702              |              |              |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM CRAB                   | 7819              |              |              |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM CRAB                   | 7820              |              |              |              |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>              | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|---------------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | 9020           | SARGASSUM CRAB            | 7821              |              |              |              |
| USGS-GM-2004-03 | 9020           | SARGASSUM CRAB            | 7822              |              |              |              |
| USGS-GM-2005-03 | 30             | SARGASSUM EPIBIONT SCRAPE | 11068             |              |              |              |
| USGS-GM-2005-03 | 30             | SARGASSUM EPIBIONT SCRAPE | 11069             |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM LEAVES          | 7637              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM LEAVES          | 7638              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM LEAVES          | 7639              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM LEAVES          | 7640              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM LEAVES          | 7641              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM LEAVES          | 7642              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM LEAVES          | 7643              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM LEAVES          | 7644              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM LEAVES          | 7645              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM LEAVES          | 7646              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM LEAVES          | 7651              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM LEAVES          | 7652              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM LEAVES          | 7653              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM LEAVES          | 7654              |              |              |              |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>     | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | 9009           | SARGASSUM LEAVES | 7655              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM LEAVES | 7656              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM LEAVES | 7657              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM LEAVES | 7658              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM LEAVES | 7659              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM LEAVES | 7660              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM LEAVES | 7661              |              |              |              |
| USGS-GM-2004-03 | 9010           | SARGASSUM LEAVES | 7665              |              |              |              |
| USGS-GM-2004-03 | 9010           | SARGASSUM LEAVES | 7666              |              |              |              |
| USGS-GM-2004-03 | 9010           | SARGASSUM LEAVES | 7667              |              |              |              |
| USGS-GM-2004-03 | 9010           | SARGASSUM LEAVES | 7668              |              |              |              |
| USGS-GM-2004-03 | 9010           | SARGASSUM LEAVES | 7669              |              |              |              |
| USGS-GM-2004-03 | 9010           | SARGASSUM LEAVES | 7676              |              |              |              |
| USGS-GM-2004-03 | 9010           | SARGASSUM LEAVES | 7671              |              |              |              |
| USGS-GM-2004-03 | 9010           | SARGASSUM LEAVES | 7672              |              |              |              |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>     | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | 9010           | SARGASSUM LEAVES | 7673              |              |              |              |
| USGS-GM-2004-03 | 9010           | SARGASSUM LEAVES | 7674              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM LEAVES | 7678              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM LEAVES | 7679              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM LEAVES | 7682              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM LEAVES | 7681              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM LEAVES | 7682              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM LEAVES | 7683              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM LEAVES | 7684              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM LEAVES | 7685              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM LEAVES | 7686              |              |              |              |
| USGS-GM-2004-03 | 9011           | SARGASSUM LEAVES | 7687              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM SHRIMP | 7647              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM SHRIMP | 7648              |              |              |              |
| USGS-GM-2004-03 | 9008           | SARGASSUM SHRIMP | 7649              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM SHRIMP | 7662              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM SHRIMP | 7663              |              |              |              |
| USGS-GM-2004-03 | 9009           | SARGASSUM SHRIMP | 7664              |              |              |              |
| USGS-GM-2004-03 | 9010           | SARGASSUM SHRIMP | 7675              |              |              |              |
| USGS-GM-2004-03 | 9010           | SARGASSUM SHRIMP | 7676              |              |              |              |



**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| Cruise          | Station | Taxon                  | Specimen # | SL mm | FL mm | TL mm |
|-----------------|---------|------------------------|------------|-------|-------|-------|
| USGS-GM-2004-03 | 9010    | SARGASSUM SHRIMP       | 7677       |       |       |       |
| USGS-GM-2004-03 | 9011    | SARGASSUM SHRIMP       | 7688       |       |       |       |
| USGS-GM-2004-03 | 9011    | SARGASSUM SHRIMP       | 7689       |       |       |       |
| USGS-GM-2004-03 | 9011    | SARGASSUM SHRIMP       | 7690       |       |       |       |
| USGS-GM-2004-03 | 9011    | SARGASSUM SHRIMP       | 7691       |       |       |       |
| USGS-GM-2004-03 | 9011    | SARGASSUM SHRIMP       | 7692       |       |       |       |
| USGS-GM-2004-03 | 9011    | SARGASSUM SHRIMP       | 7693       |       |       |       |
| USGS-GM-2004-03 | 9011    | SARGASSUM SHRIMP       | 7694       |       |       |       |
| USGS-GM-2004-03 | 9011    | SARGASSUM SHRIMP       | 7695       |       |       |       |
| USGS-GM-2004-03 | 9011    | SARGASSUM SHRIMP       | 7696       |       |       |       |
| USGS-GM-2004-03 | 9011    | SARGASSUM SHRIMP       | 7697       |       |       |       |
| USGS-GM-2004-03 | 9020    | SARGASSUM SHRIMP       | 7827       |       |       |       |
| USGS-GM-2004-03 | 9020    | SARGASSUM SHRIMP       | 7828       |       |       |       |
| USGS-GM-2004-03 | 9020    | SARGASSUM SHRIMP       | 7829       |       |       |       |
| USGS-GM-2004-03 | 9020    | SARGASSUM SHRIMP       | 7830       |       |       |       |
| USGS-GM-2005-03 | 42      | SCOMBER JAPONICUS      | 11101      |       | 252   |       |
| USGS-GM-2005-03 | 44      | SCOMBEROMORUS CAVALLA  | 11107      |       | 750   |       |
| USGS-GM-2005-03 | 44      | SCOMBEROMORUS CAVALLA  | 11108      |       | 868   |       |
| USGS-GM-2005-03 | 44      | SCOMBEROMORUS CAVALLA  | 11110      |       | 782   |       |
| USGS-GM-2005-03 | 38      | SCOMBEROMORUS CAVALLA? | 11095      |       | 54    |       |
| USGS-GM-2005-03 | 38      | SCOMBEROMORUS CAVALLA? | 11096      |       | 37    |       |
| USGS-GM-2005-03 | 38      | SCOMBEROMORUS CAVALLA? | 11097      |       | 59    |       |
| USGS-GM-2005-03 | 38      | SCOMBEROMORUS CAVALLA? | 11098      |       | 56    |       |
| USGS-GM-2005-03 | 38      | SCOMBEROMORUS CAVALLA? | 11102      |       | 55    |       |
| USGS-GM-2005-03 | 38      | SCOMBEROMORUS CAVALLA? | 11103      |       | 57    |       |
| USGS-GM-2005-03 | 38      | SCOMBEROMORUS CAVALLA? | 11104      |       | 25    |       |
| USGS-GM-2004-03 | 9004    | SCORPAENIDAE - SP. #1  | 7532       | 159   |       |       |
| USGS-GM-2004-03 | 9004    | SCORPAENIDAE - SP. #1  | 7533       | 159   |       |       |
| USGS-GM-2004-03 | 9004    | SCORPAENIDAE - SP. #1  | 7534       | 151   |       |       |
| USGS-GM-2004-03 | 9004    | SCORPAENIDAE - SP. #1  | 7535       | 142   |       |       |
| USGS-GM-2004-03 | 9004    | SCORPAENIDAE - SP. #1  | 7536       | 171   |       |       |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>           | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|------------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | 9004           | SCORPAENIDAE - SP. #1  | 7537              | 130          |              |              |
| USGS-GM-2004-03 | 9004           | SCORPAENIDAE - SP. #1  | 7538              | 141          |              |              |
| USGS-GM-2004-03 | 9004           | SCORPAENIDAE - SP. #1  | 7539              | 147          |              |              |
| USGS-GM-2004-03 | 9004           | SCORPAENIDAE - SP. #1  | 7540              | 121          |              |              |
| USGS-GM-2004-03 | 9004           | SCORPAENIDAE - SP. #1  | 7541              | 141          |              |              |
| USGS-GM-2004-03 | 9004           | SCORPAENIDAE - SP. #1  | 7542              | 142          |              |              |
| USGS-GM-2004-03 | 9004           | SCORPAENIDAE - SP. #1  | 7544              | 142          |              |              |
| USGS-GM-2004-03 | 9004           | SCORPAENIDAE - SP. #1  | 7545              | 134          |              |              |
| USGS-GM-2004-03 | 9004           | SCORPAENIDAE - SP. #1  | 7546              | 136          |              |              |
| USGS-GM-2004-03 | 9004           | SCORPAENIDAE - SP. #1  | 7547              | 148          |              |              |
| USGS-GM-2004-03 | 9004           | SCORPAENIDAE - SP. #1  | 7548              | 112          |              |              |
| USGS-GM-2005-03 | 12             | SEDIMENT               | 11020             |              |              |              |
| USGS-GM-2005-03 | 70             | SEDIMENT               | 11212             |              |              |              |
| USGS-GM-2005-03 | 55             | SEDIMENT               | 11213             |              |              |              |
| USGS-GM-2005-03 | 41             | SELAR CRUMENOPHTHALMUS | 11099             |              | 212          |              |
| USGS-GM-2005-03 | 41             | SELAR CRUMENOPHTHALMUS | 11100             |              | 225          |              |
| USGS-GM-2005-03 | 42             | SELAR CRUMENOPHTHALMUS | 11105             |              | 189          |              |
| USGS-GM-2005-04 | 16             | SERGESTID?             | 11058             |              |              |              |
| USGS-GM-2005-04 | 16             | SERGESTID?             | 11059             |              |              |              |
| USGS-GM-2005-03 | 5              | SERIOLA DUMERILI       | 11003             | 507          |              |              |
| USGS-GM-2005-03 | 7              | SERIOLA DUMERILI       | 11008             | 620          |              |              |
| USGS-GM-2005-03 | 8              | SERIOLA DUMERILI       | 11010             |              | 785          |              |
| USGS-GM-2005-03 | 9              | SERIOLA DUMERILI       | 11014             |              | 845          |              |
| USGS-GM-2005-03 | 9              | SERIOLA DUMERILI       | 11015             |              | 995          |              |
| USGS-GM-2005-03 | 5              | SERIOLA FASCIATA       | 11004             | 511          |              |              |
| USGS-GM-2005-03 | 9              | SERIOLA RIVOLIANA      | 11016             |              | 634          |              |
| USGS-GM-2005-03 | 66             | SERIOLA RIVOLIANA      | 11149             |              | 680          |              |
| USGS-GM-2005-03 | 14             | SERIOLA SP.            | 11023             | 23           |              |              |
| USGS-GM-2005-03 | 32             | SHARK                  | 11082             | 1000         |              |              |
| USGS-GM-2005-04 | 16             | SHRIMP                 | 11060             |              |              |              |
| USGS-GM-2005-04 | 16             | SHRIMP                 | 11061             |              |              |              |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|--------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2005-04 | 16             | SHRIMP       | 11062             |              |              |              |
| USGS-GM-2005-04 | 16             | SHRIMP       | 11063             |              |              |              |
| USGS-GM-2005-04 | 16             | SHRIMP       | 11064             |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7746              |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7747              |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7748              |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7749              |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7750              |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7751              |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7752              |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7753              |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7754              |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7755              |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7756              |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7757              |              |              |              |
| USGS-GM-2004-03 | 9017           | SHRIMP SPS A | 7759              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7774              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7775              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7776              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7778              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7779              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7780              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7781              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7782              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7783              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7784              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7785              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7786              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7787              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS A | 7788              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B | 7789              |              |              |              |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>    | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|-----------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7790              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7791              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7792              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7793              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7794              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7795              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7796              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7797              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7798              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7799              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7800              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7801              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7802              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7803              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7804              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7805              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7806              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7807              |              |              |              |
| USGS-GM-2004-03 | 9018           | SHRIMP SPS B    | 7808              |              |              |              |
| USGS-GM-2005-04 | 21             | SMALL FISH      | 11084             |              |              |              |
| USGS-GM-2005-04 | 21             | SMALL FISH      | 11085             |              |              |              |
| USGS-GM-2005-04 | 21             | SMALL FISH      | 11086             |              |              |              |
| USGS-GM-2005-04 | 21             | SMALL FISH      | 11087             |              |              |              |
| USGS-GM-2005-04 | 21             | SMALL FISH      | 11088             |              |              |              |
| USGS-GM-2005-04 | 21             | SMALL FISH      | 11089             |              |              |              |
| USGS-GM-2005-04 | 21             | SMALL FISH      | 11090             |              |              |              |
| USGS-GM-2005-04 | Left from CSA  | SNAKEY SEA STAR | 11001             | 17.3         |              |              |
| USGS-GM-2005-04 | Left from CSA  | SNAKEY SEA STAR | 11002             | 19.4         |              |              |
| USGS-GM-2005-04 | Left from CSA  | SNAKEY SEA STAR | 11003             | 17.9         |              |              |
| USGS-GM-2005-04 | Left from CSA  | SNAKEY SEA STAR | 11004             | 13.8         |              |              |
| USGS-GM-2005-04 | Left from CSA  | SNAKEY SEA STAR | 11005             | 10.5         |              |              |

## MASTER APPENDIX B

TABLE 1.9: STABLE ISOTOPE SAMPLES

USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE

KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH

| Cruise          | Station       | Taxon                   | Specimen # | SL mm            | FL mm | TL mm |
|-----------------|---------------|-------------------------|------------|------------------|-------|-------|
| USGS-GM-2005-04 | Left from CSA | SNAKEY SEA STAR         | 11006      | 17.1             |       |       |
| USGS-GM-2005-04 | Left from CSA | SNAKEY SEA STAR         | 11007      | 16.5             |       |       |
| USGS-GM-2005-04 | Left from CSA | SNAKEY SEA STAR         | 11008      | 8.3              |       |       |
| USGS-GM-2005-04 | JSL-4874      | SOFT CORAL              | 11014      |                  |       |       |
| USGS-GM-2005-04 | JSL-4882      | SPINY URCHIN            | 11094      |                  |       |       |
| USGS-GM-2005-04 | JSL-4882      | SPINY URCHIN            | 11095      |                  |       |       |
| USGS-GM-2005-04 | JSL-4876      | SPONGE                  | 11036      |                  |       |       |
| USGS-GM-2005-04 | JSL-4876      | SPONGE                  | 11037      |                  |       |       |
| USGS-GM-2005-03 | 72            | SPONGE A                | 11158      |                  |       |       |
| USGS-GM-2005-03 | 72            | SPONGE B                | 11159      |                  |       |       |
| USGS-GM-2005-03 | 72            | SPONGE C                | 11160      |                  |       |       |
| USGS-GM-2005-03 | 72            | SPONGE D                | 11161      |                  |       |       |
| USGS-GM-2004-03 | 9017          | STEINDACHNERIA ARGENTEA | 7767       |                  |       |       |
| USGS-GM-2004-03 | 9017          | STEINDACHNERIA ARGENTEA | 7768       |                  |       |       |
| USGS-GM-2004-03 | 9017          | STEINDACHNERIA ARGENTEA | 7769       |                  |       |       |
| USGS-GM-2004-03 | 9017          | STEINDACHNERIA ARGENTEA | 7770       |                  |       |       |
| USGS-GM-2005-03 | 53            | STENORHYNCHUS CRAB      | 11128      | 1.05 and 0.067mm |       |       |
| USGS-GM-2005-03 | 30            | STEPHANOLEPIS HISPIDUS  | 11070      | 36               |       |       |
| USGS-GM-2005-03 | 30            | STEPHANOLEPIS HISPIDUS  | 11071      | 35               |       |       |
| USGS-GM-2005-03 | 30            | STEPHANOLEPIS HISPIDUS  | 11072      | 37               |       |       |
| USGS-GM-2005-03 | 30            | STEPHANOLEPIS HISPIDUS  | 11073      | 37               |       |       |
| USGS-GM-2005-03 | 30            | STEPHANOLEPIS HISPIDUS  | 11076      | 43               |       |       |
| USGS-GM-2004-03 | 9007          | SYNAGROPS BELLUS        | 7704       | 126              |       |       |
| USGS-GM-2005-03 | 14            | SYNGNATHUS PELAGICUS    | 11021      |                  |       | 101   |
| USGS-GM-2005-03 | 16            | SYNGNATHUS PELAGICUS    | 11032      |                  |       | 79    |
| USGS-GM-2005-03 | 56            | THESEA GORGONIAN FAN    | 11132      |                  |       |       |
| USGS-GM-2005-03 | 44            | THUNNUS ATLANTICUS      | 11109      |                  | 830   |       |
| USGS-GM-2005-04 |               | THUNNUS ATLANTICUS      | 11050      |                  |       |       |
| USGS-GM-2004-03 | JSL-4745      | UNKNOWN ASTEROID        | 7518       |                  |       |       |
| USGS-GM-2004-03 | JSL-4745      | UNKNOWN ASTEROID        | 7519       |                  |       |       |
| USGS-GM-2004-03 | JSL-4745      | UNKNOWN ASTEROID        | 7520       |                  |       |       |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>      | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|-------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | JSL-4745       | UNKNOWN ASTEROID  | 7521              |              |              |              |
| USGS-GM-2004-03 | JSL-4745       | UNKNOWN ASTEROID  | 7522              |              |              |              |
| USGS-GM-2004-03 | JSL-4745       | UNKNOWN ASTEROID  | 7523              |              |              |              |
| USGS-GM-2004-03 | JSL-4745       | UNKNOWN ASTEROID  | 7524              |              |              |              |
| USGS-GM-2004-03 | JSL-4745       | UNKNOWN ASTEROID  | 7525              |              |              |              |
| USGS-GM-2004-03 | JSL-4745       | UNKNOWN ASTEROID  | 7526              |              |              |              |
| USGS-GM-2005-04 | JSL-4876       | URCHIN            | 11047             |              |              |              |
| USGS-GM-2005-04 | JSL-4880       | URCHIN            | 11066             |              |              |              |
| USGS-GM-2005-04 | JSL-4880       | URCHIN            | 11067             |              |              |              |
| USGS-GM-2005-04 | JSL-4880       | URCHIN            | 11068             |              |              |              |
| USGS-GM-2004-03 | 9004           | UROPHYCIS CIRRATA | 7608              | 330          |              |              |
| USGS-GM-2004-03 | 9004           | UROPHYCIS CIRRATA | 7609              | 255          |              |              |
| USGS-GM-2004-03 | 9004           | UROPHYCIS CIRRATA | 7610              | 271          |              |              |
| USGS-GM-2004-03 | 9004           | UROPHYCIS CIRRATA | 7611              | 274          |              |              |
| USGS-GM-2004-03 | 9004           | UROPHYCIS CIRRATA | 7612              | 250          |              |              |
| USGS-GM-2004-03 | 9004           | UROPHYCIS CIRRATA | 7613              | 298          |              |              |
| USGS-GM-2004-03 | 9004           | UROPHYCIS CIRRATA | 7614              | 338          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS CIRRATA | 7702              | 276          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS CIRRATA | 7703              | 290          |              |              |
| USGS-GM-2004-03 | 9018           | UROPHYCIS CIRRATA | 7761              | 272          |              |              |
| USGS-GM-2005-03 | 76             | UROPHYCIS CIRRATA | 11203             | 325          |              |              |
| USGS-GM-2005-03 | 76             | UROPHYCIS CIRRATA | 11205             | 385          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII | 7677              | 158          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII | 7678              | 146          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII | 7679              | 211          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII | 7680              | 144          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII | 7681              | 156          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII | 7682              | 132          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII | 7683              | 184          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII | 7684              | 230          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII | 7685              | 188          |              |              |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>        | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|---------------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7686              | 238          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7687              | 207          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7688              | 230          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7689              | 196          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7690              | 134          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7691              | 210          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7692              | 210          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7693              | 204          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7694              | 227          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7695              | 132          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7696              | 190          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7697              | 187          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7698              | 172          |              |              |
| USGS-GM-2004-03 | 9007           | UROPHYCIS EARLLII   | 7699              | 140          |              |              |
| USGS-GM-2004-03 | 9018           | UROPHYCIS FLORIDANA | 7762              | 298          |              |              |
| USGS-GM-2005-03 | 76             | UROPHYCIS REGIA     | 11206             | 294          |              |              |
| USGS-GM-2005-03 | 76             | UROPHYCIS REGIA     | 11207             | 386          |              |              |
| USGS-GM-2005-03 | 76             | UROPHYCIS REGIA     | 11208             | 330          |              |              |
| USGS-GM-2005-03 | 76             | UROPHYCIS REGIA     | 11209             | 360          |              |              |
| USGS-GM-2005-03 | 76             | UROPHYCIS REGIA     | 11210             | 349          |              |              |
| USGS-GM-2005-03 | 76             | UROPHYCIS REGIA     | 11211             | 381          |              |              |
| USGS-GM-2004-03 | 9011           | WATER HYACINTH      | 7703              |              |              |              |
| USGS-GM-2004-03 | 9011           | WATER HYACINTH      | 7704              |              |              |              |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b>   | <b>Station</b> | <b>Taxon</b>   | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|-----------------|----------------|----------------|-------------------|--------------|--------------|--------------|
| USGS-GM-2004-03 | 9011           | WATER HYACINTH | 7705              |              |              |              |
| USGS-GM-2004-03 | 9011           | WATER HYACINTH | 7706              |              |              |              |
| USGS-GM-2004-03 | 9011           | WATER HYACINTH | 7707              |              |              |              |
| USGS-GM-2004-03 | 9011           | WATER HYACINTH | 7708              |              |              |              |
| USGS-GM-2004-03 | 9011           | WATER HYACINTH | 7709              |              |              |              |
| USGS-GM-2004-03 | 9011           | WATER HYACINTH | 7710              |              |              |              |
| USGS-GM-2004-03 | 9011           | WATER HYACINTH | 7711              |              |              |              |



**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| Cruise          | Station  | Taxon           | Specimen # | SL mm | FL mm | TL mm |
|-----------------|----------|-----------------|------------|-------|-------|-------|
| USGS-GM-2004-03 | 9011     | WATER HYACINTH  | 7712       |       |       |       |
| USGS-GM-2004-03 | 9020     | WATER HYACINTH  | 7831       |       |       |       |
| USGS-GM-2004-03 | 9020     | WATER HYACINTH  | 7832       |       |       |       |
| USGS-GM-2004-03 | 9020     | WATER HYACINTH  | 7833       |       |       |       |
| USGS-GM-2004-03 | 9020     | WATER HYACINTH  | 7834       |       |       |       |
| USGS-GM-2004-03 | 9020     | WATER HYACINTH  | 7835       |       |       |       |
| USGS-GM-2004-03 | 9020     | WATER HYACINTH  | 7836       |       |       |       |
| USGS-GM-2004-03 | 9020     | WATER HYACINTH  | 7837       |       |       |       |
| USGS-GM-2004-03 | 9020     | WATER HYACINTH  | 7838       |       |       |       |
| USGS-GM-2004-03 | 9020     | WATER HYACINTH  | 7839       |       |       |       |
| USGS-GM-2004-03 | 9020     | WATER HYACINTH  | 7840       |       |       |       |
| USGS-GM-2004-03 | 9020     | WATER HYACINTH  | 7841       |       |       |       |
| USGS-GM-2005-04 | JSL-4874 | WHITE ANENOME   | 11013      |       |       |       |
| USGS-GM-2005-04 | JSL-4875 | WHITE ANENOME   | 11015      |       |       |       |
| USGS-GM-2005-04 | JSL-4875 | WHITE ANENOME   | 11016      |       |       |       |
| USGS-GM-2005-04 | JSL-4876 | WHITE ANENOME   | 11038      |       |       |       |
| USGS-GM-2005-04 | JSL-4876 | WHITE ANENOME   | 11039      |       |       |       |
| USGS-GM-2005-04 | JSL-4876 | WHITE ANENOME   | 11040      |       |       |       |
| USGS-GM-2005-04 | JSL-4876 | WHITE ANENOME   | 11041      |       |       |       |
| USGS-GM-2005-04 | JSL-4876 | WHITE ANENOME   | 11042      |       |       |       |
| USGS-GM-2005-04 | JSL-4876 | WHITE ANENOME   | 11048      |       |       |       |
| USGS-GM-2005-03 | 53       | WHITE GORGONIAN | 11125      |       |       |       |
| USGS-GM-2005-03 | 24       | ZOOPLANKTON 335 | 11067      |       |       |       |
| USGS-GM-2005-03 | 39       | ZOOPLANKTON 335 | 11094      |       |       |       |
| USGS-GM-2005-03 | 57       | ZOOPLANKTON 335 | 11130      |       |       |       |

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b> | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b> | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|

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**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b> | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|

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**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b> | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|

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**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b> | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|

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**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b> | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b> | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|



**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b> | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|

**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b> | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|

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**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b> | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|

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**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b> | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|

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**MASTER APPENDIX B****TABLE 1.9: STABLE ISOTOPE SAMPLES****USGS 2004-2006 LOPHELIA INVESTIGATION RAW DATA ARCHIVE****KEY: SL = STANDARD LENGTH, FL = FORK LENGTH, TL = TOTAL LENGTH**

| <b>Cruise</b> | <b>Station</b> | <b>Taxon</b> | <b>Specimen #</b> | <b>SL mm</b> | <b>FL mm</b> | <b>TL mm</b> |
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|
|---------------|----------------|--------------|-------------------|--------------|--------------|--------------|

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**Comments**

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GUT  
KEPT FOR ID  
KEPT FOR ID

FROZEN

CARAPACE 64MM  
CARAPACE 58 MM  
CARAPACE 67 MM  
CARAPACE 53 MM  
BUCKET #6  
FRONT BASKET

**Comments**

---

FRONT ON ROCK  
FRONT ON ROCK  
FRONT ON ROCK  
BIOBOX  
BIOBOX  
BIOBOX

**Comments**

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BUCKET #8



**Comments**

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X244  
X245

FROM SARGASSUM  
FROM SARGASSUM  
FROM SARGASSUM  
FROM SARGASSUM  
SARGASSUM  
SARGASSUM  
SARGASSUM  
SARGASSUM  
SARGASSUM  
SARGASSUM  
SARGASSUM

KEPT FOR ID  
X250, LONGLINE

NEEDS TO BE REMEASURED

**Comments**

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PHOTOGRAPHED, GUTS  
GUTS. FILET  
GUTS. FILET  
GUTS. FILET  
GUTS. FILET  
SARGASSUM

MIDWATER OTTER TRAWL  
CHECK ID

**Comments**

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BUCKET #1  
BUCKET #7  
MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL

**Comments**

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MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL  
NO GUT

G108

FRONT BASKET, G140  
BUCKET 10, G246

**Comments**

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SLED

SLED

SLED

SLED

SLED

SLED

SLED

SLED

SLED

SLED

BUCKET 11

G154

G155

G156

G157

G158

FRONT BASKET

BIOBOX

BUCKET #2

BUCKET #2

BUCKET #2

BUCKET #2

BUCKET #2

**Comments**

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BUCKET #2

BUCKET #2

BUCKET #2

BUCKET #2

TANGLES/FROZEN

TANGLES/FROZEN

TANGLES/FROZEN

BIOBOX

X250, LONGLINE

SUB, FRONT BASKET

FROM SARGASSUM

BIOBOX

**Comments**

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BIOBOX  
BIOBOX  
BIOBOX  
BIOBOX  
BIOBOX  
STORED IN LARGER PLASTIC  
VIAL  
FRONT BLACK BUCKET #3, IN  
A ZIPLOC

X284  
X283  
X282

GUT  
RELEASED  
RELEASED  
GUT  
GUT  
GUT  
GUT

**Comments**

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MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL

BUCKET #6  
BUCKET #4  
BUCKET #8



**Comments**

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SAMPLES MAY BE SIMILAR  
DUE TO AMOUNT OF  
PHYTOPLANKTON -  
SURFACE  
SURFACE

BIOBOX  
BIOBOX  
BIOBOX  
BUCKET #2  
SURFACE

SURFACE

SURFACE

SURFACE

TRAWL - 12'  
TRAWL - 12'  
X331

**Comments**

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X332

BUCKET #6

PRESERVED WHOLE

GUT

CLEAN BUT NOT SCRAPED

CLEAN BUT NOT SCRAPED

CLEAN BUT NOT SCRAPED

CLEAN BUT NOT SCRAPED

CLEAN BUT NOT SCRAPED

CLEAN BUT NOT SCRAPED

CLEAN BUT NOT SCRAPED

CLEAN BUT NOT SCRAPED

CLEAN BUT NOT SCRAPED

CLEAN BUT NOT SCRAPED

WHOLE INDIVIDUAL

WHOLE

WHOLE

WHOLE

WHOLE

WHOLE

WHOLE CRAB

WHOLE CRAB

**Comments**

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WHOLE CRAB  
WHOLE CRAB

ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.  
ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.  
ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.  
ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.  
ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.  
ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.  
ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.  
ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.  
ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.

ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.  
ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.  
ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.  
ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.



**Comments**

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ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.

ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.

ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.

ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.

ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.

ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.

ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.

ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.

ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.

ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.

ROUND FLOATS, LEAVES  
CLEAN BUT NOT SCRAPED.

**Comments**

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**Comments**

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MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL  
GUT  
NO GUT  
GUT  
GUT  
GUT  
GUT  
GUT

SARGASSUM  
RELEASED  
MIDWATER OTTER TRAWL  
MIDWATER OTTER TRAWL

**Comments**

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MIDWATER OTTER TRAWL

MIDWATER OTTER TRAWL

MIDWATER OTTER TRAWL

G161

G162

G163

G164

G165

G166

G167

G168

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G173

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G211



**Comments**

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G212

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G230

MIDWATER OTTER TRAWL

MIDWATER OTTER TRAWL

MIDWATER OTTER TRAWL

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MIDWATER OTTER TRAWL

DISC WIDTH

DISC WIDTH

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DISC WIDTH

**Comments**

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DISC WIDTH  
DISC WIDTH  
DISC WIDTH  
FRONT BASKET  
BUCKET #4  
BUCKET #3  
BIOBOX  
BIOBOX

X290  
X292  
X287  
X286

KEPT FOR ID  
KEPT FOR ID  
KEPT FOR ID  
KEPT FOR ID  
KEPT FOR ID

SARGASSUM

LONG LINE-FRANK  
POSSIBLY A BRITTLE STAR

**Comments**

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BUCKET #4  
BUCKET #12  
BUCKET #12  
BUCKET #12

X299

**Comments**

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X300

FLOATING IN THE  
SARGASSUM WRACK  
ASSUMED TO BE OF MS  
RIVER ORIGIN.  
FLOATING IN THE  
SARGASSUM WRACK  
ASSUMED TO BE OF MS  
RIVER ORIGIN.



**Comments**

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FLOATING IN THE  
SARGASSUM WRACK  
ASSUMED TO BE OF MS  
RIVER ORIGIN.

BUCKET 9  
BUCKET 12  
BIOBOX  
FRONT TRAY  
FRONT TRAY  
FRONT TRAY  
FRONT TRAY  
FRONT TRAY  
BUCKET #1

SAMPLES MAY BE SIMILAR  
DUE TO AMOUNT OF  
PHYTOPLANKTON -  
SURFACE  
SURFACE

**Comments**

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**Comments**

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**Comments**

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**Comments**

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**Comments**

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**Comments**

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**Comments**

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**Comments**

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