APPENDIX A

Study Team Member Profiles

APPENDIX A

Eugene Lee, M.Sc. (2008) was an AMEC Senior environmental/aquatic biologist/project manager with 23 years consulting experience. Mr. Lee has extensive experience in marine research and marine industrial environmental monitoring program design and implementation. He has produced numerous marine species and habitat summaries for DFO and has designed and conducted marine research monitoring programs with respect to industrial developments (offshore oil and gas, wharf construction, marine dredging, pulp and paper, and thermal generating stations), fish/marine plant harvesting, recreational/protected areas, and coastal zone classification.

Some of the projects that Mr. Lee has been involved in include:

- PWGSC and DFO Small Craft Harbours (2008). Marine benthic habitat surveys/habitat characterizations and fish habitat compensation planning for wharf/breakwater construction projects located at Southern Harbour, Placentia Bay and Hant's Harbour, Trinity Bay.
- Newfoundland and Labrador Refinery Corporation (2007-2008). Drafting of marine environmental assessment sections, marine environmental effects/mitigation documents and regulator consultations.
- Newfoundland and Labrador Refinery Corporation (2007-2008). Large-scale Marine benthic habitat surveys/habitat characterizations and fish habitat compensation planning for shoreline facilities, wharf/breakwater construction, marine jetty construction, marine water intake and effluent outflow.
- Continental Stone Limited, Crushed Granite Export Quarry, Belleoram, Newfoundland (2007-2008). Large-scale Marine benthic habitat surveys/habitat characterizations and fish habitat compensation planning for shoreline facilities, wharf/breakwater construction and marine jetty construction.

Mr. Lee acted as Project Manager and Team Field Lead during the 2008 program. He was also the main author of the 2008 draft report.

Michael Teasdale, M.Sc. (2008 & 2009) is a biologist with more than 8 years of experience. He has been involved in a wide range of projects both in Canada (Newfoundland and Labrador, Nova Scotia, and Ontario) and the United States (Florida, Maryland, Washington, Texas, and Georgia) working for both the commercial, federal, and academic sectors. He has worked on a variety of projects including marine HADD determination and compensation planning, ecological risk assessments, environmental screenings, freshwater fish and stream surveys/habitat assessments and more recently, greenhouse gas assessments and inventories. Mr. Teasdale has considerable experience with data management, review, and analysis and has produced numerous reports and presentation for clients, international academic conferences, and a peer-reviewed journal.

Some similar projects Mr. Teasdale has been involved with include:

- PWGSC and DFO Small Craft Harbours (Newfoundland and Labrador, 2008). Mr. Teasdale assisted with marine benthic habitat surveys/habitat characterizations and fish habitat compensation planning for wharf/breakwater construction projects located at Hant's Harbour.
- DFO, Marine Habitat Classification System, (Newfoundland and Labrador, 2008). Mr. Teasdale prepared a report to aid in the classification and surveying of marine areas in order to describe and quantify the amount of fish habitat present for the Newfoundland and Labrador coastal region.
- Husky Oil, Rock Reef Habitat Compensation (Placentia Bay, NL, 2007). Mr. Teasdale helped to design a rock reef habitat surveying strategy improving on the methods of the previous year's methods. He also was involved in the field work, compiled data from video and field notes, and helped to write reports submitted to DFO.
- Petro Canada, Scallop Shell and Eelgrass Habitat Compensation, (Placentia Bay, NL, 2007). Mr. Teasdale helped to design a fish habitat surveying strategy improving on the methods of the previous year's methods. He also was involved in the field work, compiled data from video and field notes, and helped to write reports submitted to DFO.
- Petro Canada, Eelgrass Habitat Compensation, (Bonne Bay, NL, 2007). Mr. Teasdale performed extensive literature reviews to improve on the methodologies for that year's monitoring surveys and was a member of the field crew.

Mr. Teasdale performed as team member in the field portion of the project. He also assisted with data entry and writing of the draft and final report.

Dermot Kenny, **Natural Resources Technician, (2008 & 2009)** is an AMEC Fisheries/Field Technician with over ten years field experience. Mr. Kenny has been involved in numerous projects throughout Newfoundland and Labrador as an experienced field team member and lead. Projects have generally involved the execution of numerous sampling techniques for environmental impact assessments, fisheries compensation, Phase I & II environmental site assessments, construction projects and baseline studies relating to various human activities such as hydroelectric and mining developments.

Some of the projects Mr. Kenny has been involved in include:

- Newfoundland and Labrador Refinery Corporation (2007-2008). He assisted with large-scale marine benthic habitat surveys/habitat characterizations and fish habitat compensation planning for shoreline facilities, wharf/breakwater construction, marine jetty construction, marine water intake and effluent outflow.

- PWGSC and DFO Small Craft Harbours (2007): he assisted with marine benthic habitat surveys/habitat characterizations and fish habitat compensation planning for wharf/breakwater construction projects located at Musgrave Harbour, Cape Freels, and Triton.

Mr. Kenny performed as a team member in the field portion of the project. He also assisted with data entry and writing of the draft and final reports.

Dennis Burden (2008) was employed as the ships Captain. He was responsible for the safe operation of the *M.V Labrador Venture*, locating transects given by the Team Leader, and keeping the vessel within the transect while the drop video was deployed.

Lloyd Normore (2008) is the owner of the *M.V. Labrador Venture*. He worked as a deckhand assisting in the daily operation of the boat and equipment related to the survey.

Winston Normore (2008) was employed as a deckhand on the *M.V. Labrador Venture*. He was responsible for the operation of the boats hydraulic winch (hauler) which was used to place the drop video in the water and back on deck.

Curtis Strickland (Fugro Jacques Geosurveys Inc.) (2008) was responsible for the maintenance and operation of the drop video and transferring of all video to DVD format.

Marvin Hughs (2009) is part owner and captain of the *M.V. The Shannon Trevor*. He was responsible for the safe operation of the vessel, locating the transects given by the Team Leader, and ensuring the vessel was securely anchored while the diver was in the water.

Lewis Hughs (2009) is part owner of the *M.V. The Shannon Trevor.* He worked as a deckhand on the vessel assisting in its daily operation. He also operated a speedboat which was used for deploying the transect lines that the divers would survey.

Everett Brinson (2009) is the part owner and operator of Central Diving Limited based in Gander, NL. His main role was dive supervisor and rack operator. Mr. Brinson was responsible for checking the condition and operation of all dive gear before the diver entered the water and was in constant communication with the diver until he exited the water.

Dale Edwards, **Lloyd Pike**, and **Robert Cox** (2009) were employees of Central Diving Limited. Their main roles during this survey were rack operator, dive tender and diver. A rack operator would ensure that there was an audio video connection with the diver and that the diver had an adequate surface air supply. A dive tender would take in or let out the divers umbilical (audio, video, and air supply) as needed by the diver. A diver would walk a 100-200m transect on the ocean bottom with a camera recording the substrate, flora, and fauna seen along the transect.

APPENDIX B

Vessel, Video System, and Diver Photographs

APPENDIX B

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Photo B-8. Diver Preparing to Board Vessel after Survey (2009) 4

Photo B-1. The *M.V. Labrador Venture* (2008)

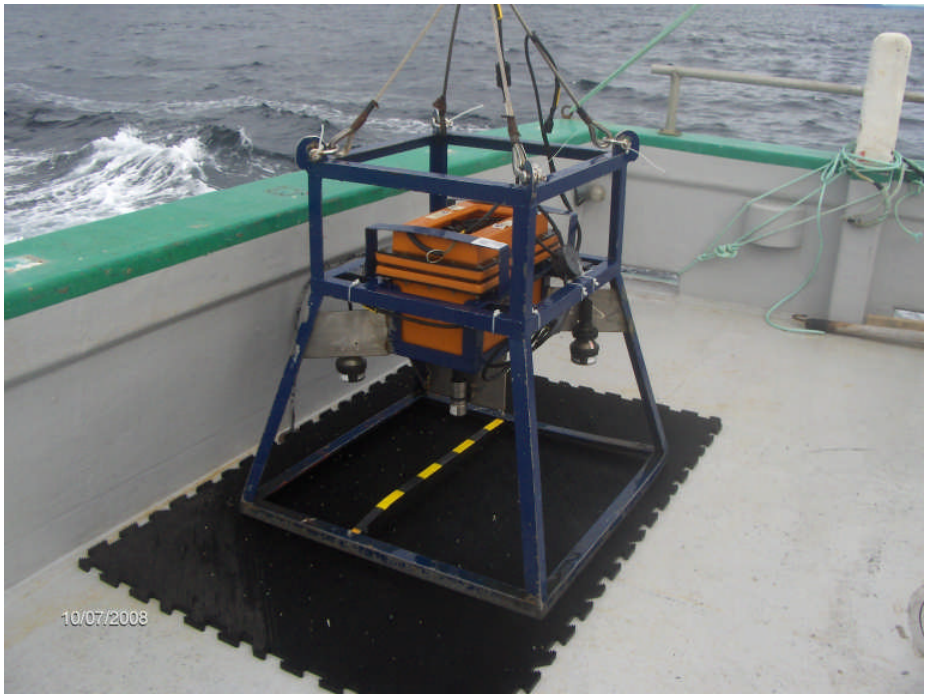

Photo B-2. The Drop Video System (2008)

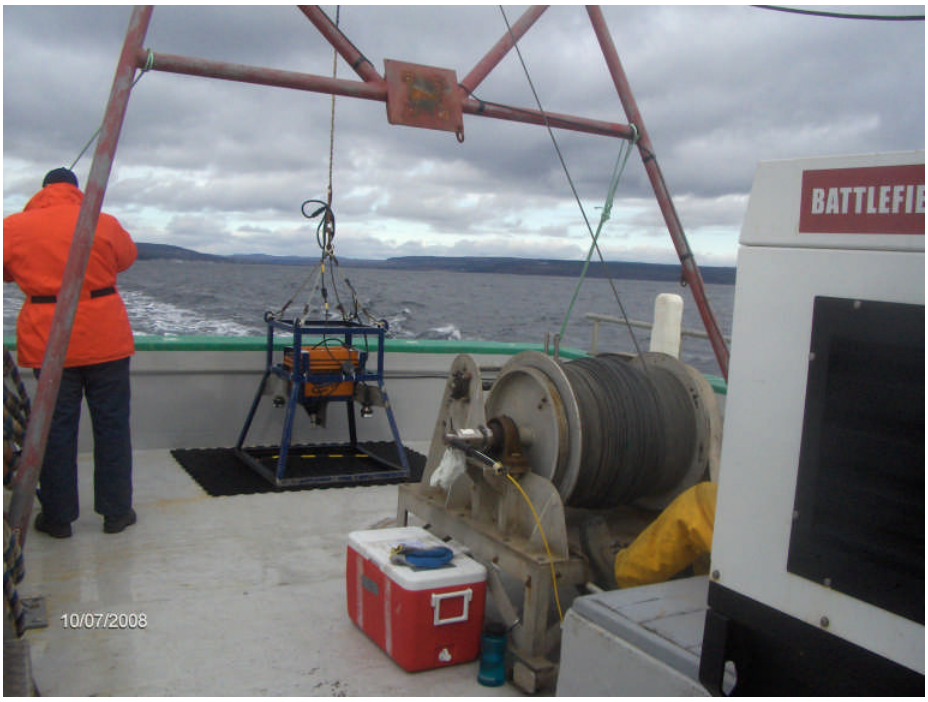

Photo B-3. Drop Video Attached to A-frame and Winch (2008)

Photo B-4. Deploying the Drop Video (2008)

Photo B-5. The *M.V. Shannon Trevor* (2009)

Photo B-6. Diver Preparing for Survey (2009)

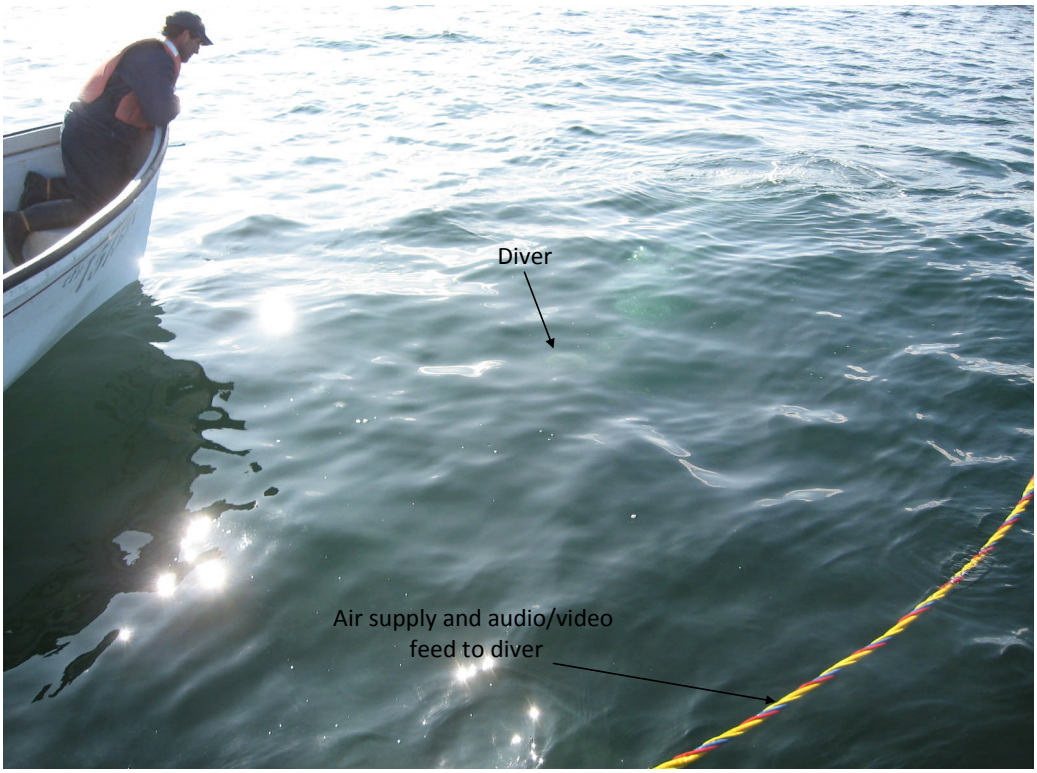

Photo B-7. Diver Surveying Along Transect (2009)

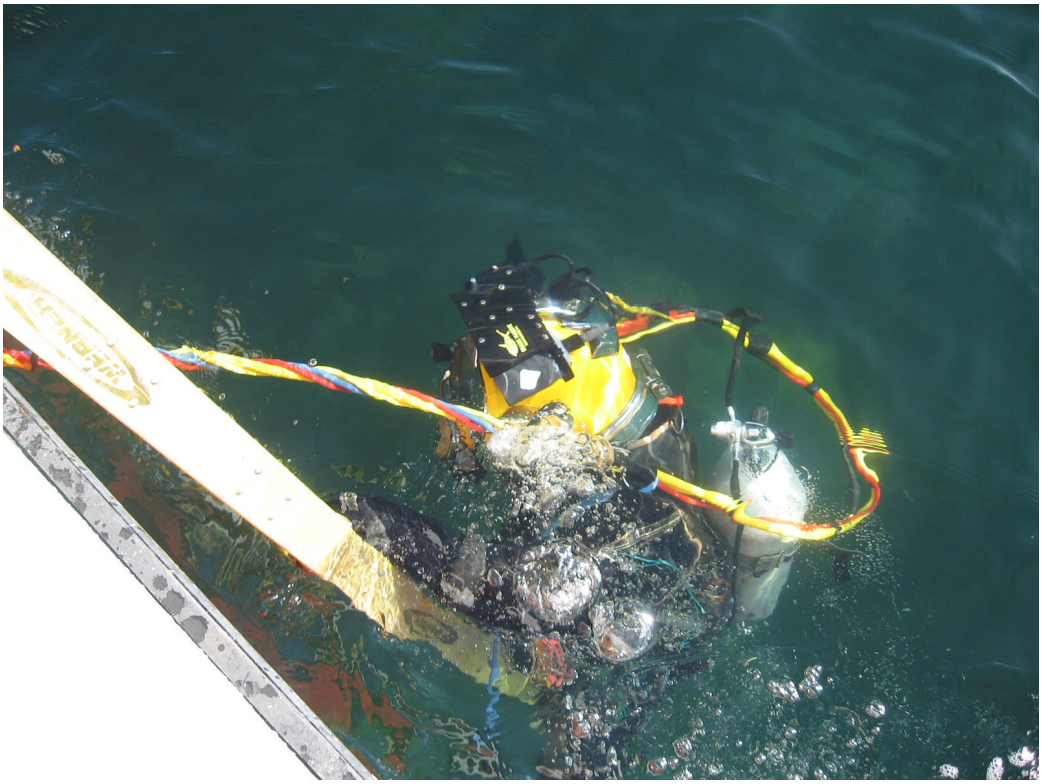

Photo B-8. Diver Preparing to Board Vessel after Survey (2009)

APPENDIX C

Transect Summary Tables

APPENDIX C

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Note: These Stations and Transect Gaps are illustrated on Figure 2.1 in the main body of the report.

Key to tables

Abundant	(A)	Numerous (not quantifiable) observations made throughout the entire reach.
Common	(C)	Numerous (not quantifiable) observations made intermittently along the reach.
Occasional	(O)	Quantifiable observations made intermittently along the reach.
Uncommon	(U)	Quantifiable observations made infrequently along the reach.
TG		Track Gap

Station 124 to 127 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-16.00	1	20	0:00-0:47	Cobble (30%) Rubble (30%) Small boulder (20%) Gravel (10%) Sand (10%)	No fauna observed	No flora observed
16.00-34.00	2	20	0:47-1:40	Cobble (95%) Sand (5%)	Pale urchin (*Strongylocentrotus pallidus*) (O) Sand dollar (*Echinarachnius parma)* (O)	No flora observed
34.00-40.80	3	20	1:40-2:00	Rubble (35%) Small boulder (20%) Cobble (20%) Sand (20%) Shell (5%)	Anemone (U) Pale urchin (*Strongylocentrotus pallidus*) (C) Sand dollar (*Echinarachnius parma)* (O) Sea cucumber (*Cucumaria frondosa*) (U)	No flora observed
40.80-336.40	4	29	2:00-16:30	Sand (79%) Silt (20%) Shell (1%)	Pale urchin (*Strongylocentrotus pallidus*) (U- 1 individual) Sand dollar (*Echinarachnius parma)* (C) Starfish (*Asterias sp.*) (U – 1 individual) Starfish (*Solaster sp.*) (U – 1 individual)	No flora observed
336.40-825.70	5	35	16:30-24:00	Sand (63%) Silt (30%) Shell (5%) Cobble (2%)	Pale urchin (*Strongylocentrotus pallidus*) (U) Sand dollar (*Echinarachnius parma)* (O) Anemone (U – 1 individual)	No flora observed
825.70-2008.20	6	35	24:00-58:00	Cobble (30%) Gravel (25%) Rubble (13%) Sand (10%) Shell (10%) Silt (10%) Boulder (2%)	Anemone (U) Starfish (*Asterias sp.*) (O) Starfish (*Crossaster sp.*) (O) Starfish (*Solaster sp.*) (O) Icelandic scallop (*Chlamys islandica*) (U – 3 individuals) Blue mussel (*Mytilus edulis*) (U) Pale urchin (*Strongylocentrotus pallidus*) (O) Sand dollar (*Echinarachnius parma)* (O) Snow crab (*Chionoecetes opilio*) (U – 2 individuals) Sculpin (*Myoxocephalus sp.*) (U – 1 individual)	Crustose algae *(Lithothamnium sp.)* (30%) Sour weed (*Desmarestia sp*.) **Storm toss:** Sea colander (*Agarum cribrosum*) Rockweed (*Fucus sp.*)

Station 127 to 133 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-202.8	1	9	0:00-6:00	Cobble (58%) Gravel (30%) Shell (5%) Silt (5%) Small boulder (2%)	Anemone (O) Bryozoa (C) Starfish (*Asterias sp.*) (O) Starfish (*Solaster sp.*) (O) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U)	Crustose algae *(Lithothamnium sp.)* (15%) Knotted wrack (*Ascophyllum nodosum*) (1%) Rockweed (*Fucus sp.*) (1%) **Storm toss:** Sea colander (*Agarum cribrosum*) (1%)
202.8-895.9	2	11	6:00-26:30	Gravel (51%) Cobble (30%) Shell (10%) Silt (5%) Sand (2%) Small boulder (2%)	Anemone (O) Bryozoa (U) Starfish (*Asterias sp.*) (O) Starfish (*Crossaster sp.*) (U) Starfish (*Solaster sp.*) (U) Sponge (*Porifera sp.*) (U) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U)	Sour weed (*Desmarestia sp.*) (30%) Crustose algae (non *Lithothamnium sp.*) (5%)
895.9-946.6	3	11	26:30-28:00	Gravel (35%) Cobble (30%) Large boulder (10%) Small boulder (10%) Shell (10%) Silt (5%)	Anemone (U) Soft coral (*Gersemia sp.*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U)	Sour weed (*Desmarestia sp.*) (30%) Crustose algae (non *Lithothamnium sp.*) (10%) **Storm toss:** Sea colander (*Agarum cribrosum*) (1%)
946.6-1352.3	4	13	28:00-40:00	Cobble (40%) Gravel (40%) Sand (5%) Shell (5%) Silt (5%) Small boulder (5%)	Anemone (U) Bryozoa (U) Starfish (*Asterias sp.*) (O) Starfish (*Crossaster sp.*) (U) Starfish (*Solaster sp.*) (U) Slender Star (*Luidia clathrata)* (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U)	Sour weed (*Desmarestia sp.*) (20%) Crustose algae (non *Lithothamnium sp.*) (5%) **Storm toss:** Sea colander (*Agarum cribrosum*) (1%)

Station 127 to 133 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
1352.3-1673.4	5	13	40:00-49:30	Gravel (39%) Cobble (30%) Rubble (10%) Small boulder (10%) Large boulder (5%) Shell (5%) Bedrock (1%)	Anemone (U) Starfish (*Asterias sp.*) (O) Starfish (*Crossaster sp.*) (U) Starfish (*Solaster sp.*) (U) Cushion star (*Asterina sp*.) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (O) Icelandic scallop (*Chlamys islandica*) (U) Stalked sea squirt (*Boltenia sp*.) (U – 2 individuals) Purple sponge (*Haliclona permollis*) (U - individual) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U)	Sour weed (*Desmarestia sp.*) (20%) **Storm toss:** Sea colander (*Agarum cribrosum*) (1%)
1673.4-2008.1	6	14	49:30-59:24	Gravel (50%) Cobble (30%) Rubble (10%) Shell (5%) Small boulder (5%)	Sea anemone (*Metridium sp.*) (U) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U) Brittle star (Ophiuroidea) (O) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (O)	Sour weed (*Desmarestia sp.*) (20%) **Storm toss:** Sea colander (*Agarum cribrosum*) (1%)
2008.1-2292.1	7	16	59:24-66:00	Large boulder (30%) Gravel (25%) Small boulder (20%) Cobble (10%) Rubble (5%) Sand (5%) Shell (5%)	Anemone (U) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (O) Starfish (*Crossaster sp.*) (U) Starfish (*Solaster sp.*) (U) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp*.) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U)	Sour weed (*Desmarestia sp.*) (20%) Crustose algae (non *Lithothamnium sp.*) (10%) **Storm toss:** Sea colander (*Agarum cribrosum*) (1%)

TG135 to 134 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-180.00	1	116	0:00-4:36	Cobble (40%) Gravel (25%) Shell (20%) Rubble (10%) Small boulder (5%)	Anemone (U) Hydroids (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (O – 7 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Barnacle (*Balanus sp.*) (O) Sponge *(Porifera sp.)* (O) Stalked sea squirt (*Boltenia sp.*) (O – 5 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed **Note:** Camera high off bottom, low quantification
180.00-274.00	2	116	4:36-7:00	Small boulder (40%) Rubble (30%) Cobble (10%) Shell (10%) Gravel (5%) Large boulder (5%)	Anemone (C) Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (O – 5 individuals) Barnacle (*Balanus sp.*) (C) Sponge *(Porifera sp.)* (O – 3 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual) Sea cucumber (*Cucumaria frondosa*) (U – 1 individual) Cod (*Gadus sp.*) (U – 1 individual)	**Storm toss:** Sea colander (*Agarum cribrosum*) (1%)
274.00-547.90	3	109	7:00-14:00	Cobble (50%) Gravel (20%) Shell (10%) Rubble 10%) Small boulder (10%)	Anemone (U) Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (O –11 individuals) Starfish (*Crossaster sp.*) (O – 8 individuals) Barnacle (*Balanus sp.*) (C) Sponge *(Porifera sp.)* (O) Stalked sea squirt (*Boltenia sp.*) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O) Sea cucumber (*Cucumaria frondosa*) (U – 4 individuals) Toad crab (*Hyas sp.*) (U – 3 individuals)	**Storm toss:** Sea colander (*Agarum cribrosum*) (1%) **Note:** Camera high off bottom, low quantification

Station 135 to 133 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-827.10	1	111	0:00-22:05	Small boulder (40%) Large boulder (20%) Cobble (10%) Rubble (10%) Gravel (10%) Shell (10%)	Anemone (O) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp*.) (U – 4 individuals) Starfish (*Asterias sp.*) (O – 50 individuals) Starfish (*Crossaster sp.*) (O – 21 individuals) Brittle star (Ophiuroidea) (U) Cushion star (*Asterina sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (C) Sponge (*Porifera sp.*) (O – 4 individuals) Stalked sea squirt (*Boltenia sp*.) (O – 24 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U – 6 individuals) Toad crab (*Hyas sp.*) (U – 10 individuals)	Coralline algae (5%) **Storm toss:** Sea colander (*Agarum cribrosum*) (1%)
827.10-1081.80	2	107	22:05-28:53	Small boulder (30%) Cobble (20%) Rubble (20%) Gravel (10%) Shell (10%) Large boulder (5%) Sand (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp*.) (U – 4 individuals) Starfish (*Asterias sp.*) (O – 12 individuals) Starfish (*Crossaster sp.*) (O – 7 individuals) Brittle star (Ophiuroidea) (O) Cushion star (*Asterina sp.*) (U – 1 individual) Sponge (*Porifera sp.*) (C) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Sea cucumber (*Cucumaria frondosa*) (O – 6 individuals) Toad crab (*Hyas sp.*) (O – 8 individuals)	Coralline algae (5%)

Station 135 to 133 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
1081.80-1233.50	3	104	28:53-32:56	Rubble (40%) Shell (20%) Cobble (15%) Gravel (15%) Small boulder (10%)	Anemone (U) Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp*.) (U – 1 individual) Starfish (*Asterias sp.*) (O – 7 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Brittle star (Ophiuroidea) (U) Cushion star (*Asterina sp.*) (U – 3 individuals) Sponge (*Porifera sp.*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 2 individuals)	No flora observed
1233.50-1450.80	4	101	32:56-38:44	Cobble (40%) Rubble (30%) Gravel (10%) Shell (10%) Small boulder (5%) Large boulder (5%)	Hydroids (C) Soft coral (*Gersemia sp*.) (O – 21 individuals) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Cushion star (*Asterina sp.*) (U – 2 individuals) Sponge (*Porifera sp.*) (O) Stalked sea squirt (*Boltenia sp*.) (U – 3 individuals) Icelandic scallop (*Chlamys islandica*) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O) Sea cucumber (*Cucumaria frondosa*) (U – 2 individuals) Toad crab (*Hyas sp.*) (U – 2 individuals) Adult cod (*Gadus sp.*) (U – 1 individual)	Coralline algae (5%) **Storm toss:** Red fern (*Ptilota sp.*) (5%)

Station 135 to 133 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
1450.80-1649.90	5	99	38:44-44:03	Small boulder (30%) Rubble (25%) Large boulder (20%) Cobble (10%) Gravel (5%) Shell (5%) Sand (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (U – 6 individuals) Brittle star (Ophiuroidea) (U) Barnacle (*Balanus sp.*) (C) Sponge (*Porifera sp.*) (O) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U – 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 3 individuals) Snow crab (*Chionoecetes opilio*) (U – 1 Individual) Toad crab (*Hyas sp.*) (U – 3 individuals)	No flora observed

TG135 to 136 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-236.00	1	113	0:00-10:34	Small boulder (40%) Rubble (15%) Shell (15%) Cobble (10%) Gravel (10%) Large boulder (10%)	Anemone (C) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (O – 14 individuals) Starfish (*Crossaster sp.*) (O – 8 individuals) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (C) Sponge (*Porifera sp.*) (O – 1 individual) Stalked sea squirt (*Boltenia sp*.) (O – 14 individuals) Sea cucumber (*Cucumaria frondosa*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 1 individual)	Coralline algae (5%) **Storm toss:** Sea colander (*Agarum cribrosum*) (1%)
236.00-378.20	2	113	10:34-16:56	Cobble (35%) Rubble (20%) Shell (20%) Gravel (15%) Mud/silt (5%) Small boulder (5%)	Anemone (O) Hydroids (C) Bryozoa (U) Starfish (*Asterias sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp*.) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U)	Coralline algae (5%) **Storm toss:** Sea colander (*Agarum cribrosum*) (1%) **Debris:** Steel cable (12:03)

TG136 to 135 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-400.90	1	86	0:00-11:57	Cobble (40%) Gravel (30%) Shell (15%) Rubble (10%) Small boulder (5%)	Anemone (C) Hydroids (A) Soft coral (*Gersemia sp.*) (C) Starfish (*Asterias sp.*) (O – 25 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (O) Sponge *(Porifera sp.)* (U) Pale urchin (*Strongylocentrotus pallidus*) (C) Toad crab (*Hyas sp.*) (U – 1 individual)	Coralline algae (5%) **Note:** Camera high off bottom, low quantification
400.90-482.00	2	92	11:57-14:22	Rubble (30%) Cobble (20%) Shell (20%) Small boulder (15%) Gravel (10%) Large boulder (5%)	Anemone (O) Hydroids (C) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (O – 4 individuals) Brittle star (Ophiuroidea) (U) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O)	**Storm toss:** Sea colander (*Agarum cribrosum*) (1%) **Note:** Camera high off bottom, low quantification **Debris:** Steel cable (12:22)
482.00-671.00	3	105	14:22-20:00	Shell (55%) Cobble (20%) Small boulder (10%) Gravel (5%) Rubble (5%) Large boulder (5%)	Hydroids (O) Soft coral (*Gersemia sp.*) (C) Starfish (*Asterias sp.*) (O – 8 individuals) Starfish (*Crossaster sp.*) (O – 6 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (U) Sponge *(Porifera sp.)* (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (U – 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U – 2 individuals) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed

TG136 to 135 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
671.00-728.60	4	106	20:00-21:43	Small boulder (40%) Large boulder (20%) Gravel (10%) Cobble (10%) Rubble (10%) Shell (10%)	Anemone (U) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Solaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (U) Sponge *(Porifera sp.)* (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (U – 2 individuals)	No flora observed
728.60-1071.30	5	109	21:43-31:56	Cobble (30%) Shell (20%) Rubble (15%) Small boulder (15%) Gravel (10%) Large boulder (10%)	Anemone (U) Hydroids (O) Starfish (*Asterias sp.*) (U – 5 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Barnacle (*Balanus sp.*) (U) Sponge *(Porifera sp.)* (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (U – 6 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 2 individuals) Cod (*Gadus sp*.) (U – 3 individuals)	No flora observed
1071.30-1134.50	6	107	31:56-33:49	Cobble (40%) Shell (30%) Gravel (20%) Rubble (10%)	Hydroids (O) Soft coral (*Gersemia sp.*) (O) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (U – 2 individuals)	No flora observed
1134.50-1160.20	7	106	33:49-34:35	Small boulder (40%) Rubble (20%) Cobble (10%) Shell (10%) Gravel (10%) Large boulder (10%)	Hydroids (C) Sponge *(Porifera sp.)* (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (O – 5 individuals)	No flora observed **Note:** Camera high off bottom, low quantification

TG136 to 135 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
1160.20-1240.20	8	106	34:35-36:58	Cobble (30%) Shell (20%) Gravel (20%) Rubble (20%) Small boulder (5%) Mud/silt (5%)	Anemone (U) Hydroids (O) Soft coral (*Gersemia sp.*) (C) Starfish (*Crossaster sp.*) (O – 4 individuals) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (O – 2 individuals) Toad crab (*Hyas sp.*) (U – 1 individual)	**Storm toss:** Sea colander (*Agarum cribrosum*) (1%)
1240.20-1728.90	9	113	36:58-51:32	Rubble (30%) Small boulder (25%) Shell (20%) Cobble (10%) Gravel (10%) Large boulder (5%)	Anemone (O) Hydroids (C) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U – 3 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (O – 13 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 3 individuals) Cod (*Gadus sp*.) (U – 1 individual)	**Storm toss:** Sea colander (*Agarum cribrosum*) (1%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna Estimated Abundance)	Macroflora (Estimated % Coverage)
0-338.14	1	64	0:00-15:34	Rubble (40%) Cobble (20%) Shell (20%) Gravel (10%) Small boulder (10%)	Anemone (C) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp*.) (O – 26 individuals) Starfish (*Crossaster sp*.) (O – 16 individuals) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp*.) (U – 7 individuals) Icelandic scallop (*Chlamys islandica*) (U – 2 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 27 individuals) Sea cucumber (*Cucumaria frondosa*) (U – 2 individuals) Toad crab (*Hyas sp.*) (U – 4 individuals)	Coralline algae (25%)
338.14-369.20	2	70	15:34-17:00	Small boulder (30%) Bedrock (20%) Rubble (15%) Cobble (10%) Gravel (10%) Large boulder (10%) Shell (5%)	Hydroids (O) Bryozoa (O) Starfish (*Asterias sp*.) (U – 1 individual) Starfish (*Crossaster sp*.) (U – 1 individual) Barnacle (*Balanus sp.*) (U) Pale urchin (*Strongylocentrotus pallidus*) (O – 5 individuals) Toad crab (*Hyas sp*.) (U – 1 individual)	No flora observed
369.20-435.50	3	79	17:00-20:02	Cobble (40%) Gravel (20%) Shell (20%) Rubble (10%) Mud/silt (5%) Small boulder (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp*.) (U – 6 individuals) Starfish (*Asterias sp*.) (U – 4 individuals) Starfish (*Crossaster sp*.) (U – 3 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U – 2 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 14 individuals) Toad crab (*Hyas sp*.) (U – 2 individuals)	No flora observed

TG137 to 136 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-150.85	1	65	0:00-4:32	Bedrock (60%) Large boulder (10%) Small boulder (10%) Cobble (5%) Rubble (5%) Gravel (5%) Shell (5%)	Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp*.) (U – 1 individual) Starfish (*Asterias sp.*) (O – 19 individuals) Starfish (*Crossaster sp.*) (O – 5 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U – 3 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 4 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 2 individuals) Toad crab (*Hyas sp.*) (U – 3 individuals)	Crustose algae *(Lithothamnium sp.)* (10%)
150.85-311.69	2	68	4:32-9:22	Rubble (30%) Cobble (25%) Shell (20%) Gravel (10%) Small boulder (10%) Large boulder (5%)	Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (O – 11 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Stalked sea squirt (*Boltenia sp*.) (O – 7 individuals) Sea squirt (Ascidiacea) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (U – 2 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 2 individuals)	Crustose algae (non *Lithothamnium sp.*) (10%)
311.69-336.00	3	68	9:22-10:06	Bedrock (85%) Large boulder (5%) Gravel (5%) Cobble (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (O – 12 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U)	Crustose algae *(Lithothamnium sp.)* (5%) Coralline algae (5%)

TG137 to 136 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
336.00-782.22	4	67	10:06-23:30	Rubble (40%) Shell (25%) Cobble (20%) Gravel (10%) Small boulder (5%)	Anemone (U) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp*.) (U – 7 individuals) Starfish (*Asterias sp.*) (O – 17 individuals) Starfish (*Crossaster sp.*) (O – 13 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Sea squirt (Ascidiacea) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U – 4 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 15 individuals) Toad crab (*Hyas sp.*) (U – 4 individuals)	Crustose algae (non *Lithothamnium sp.*) *(*5%)
782.22-1332.67	5	66	23:30-40:02	Bedrock (30%) Rubble (15%) Small boulder (15%) Large boulder (10%) Gravel (10%) Cobble (10%) Shell (10%)	Anemone (O) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp*.) (C – too many individuals to count) Starfish (*Asterias sp.*) (O – 31 individuals) Starfish (*Crossaster sp.*) (O – 29 individuals) Starfish (*Solaster sp.*) (U – 2 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 10 individuals) Icelandic scallop (*Chlamys islandica*) (U – 3 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 2 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 8 individuals) Brittle star (Ophiuroidea) (U)	Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (5%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-251.37	1	76	0:00-10:55	Cobble (50%) Gravel (30%) Rubble (10%) Shell (10%)	Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp*.) (U – 4 individuals) Starfish (*Asterias sp*.) (O – 8 individuals) Starfish (*Crossaster sp*.) (O – 8 individuals) Brittle star (Ophiuroidea) (U) Barnacle (*Balanus sp.*) (U) Sea squirt (Ascidiacea) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (O – 16 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (O – 31 individuals) Snow crab (*Chionoecetes opilio*) (U – 2 individuals) Toad crab (*Hyas sp.*) (U – 3 individuals)	No flora observed
251.37-345.29	2	72	10:55-15:00	Cobble (40%) Gravel (20%) Rubble (20%) Shell (15%) Small boulder (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp*.) (U – 3 individuals) Starfish (*Crossaster sp*.) (U – 5 individuals) Barnacle (*Balanus sp.*) (U) Sea squirt (Ascidiacea) (U – 3 individuals) Icelandic scallop (*Chlamys islandica*) (O – 7 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (O – 9 individuals) Toad crab (*Hyas sp*.) (U – 1 individual)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
345.29-461.7	3	71	15:00-24:02	Bedrock (40%) Small boulder (20%) Cobble (15%) Rubble (10%) Shell (10%) Gravel (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp*.) (O – 13 individuals) Starfish (*Crossaster sp*.) (U – 5 individuals) Barnacle (*Balanus sp*.) (U) Icelandic scallop (*Chlamys islandica*) (U – 7 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 5 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 13 individuals) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Toad crab (*Hyas sp*.) (U – 2 individuals)	No flora observed

TG138 to 137 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-334.51	1	79	0:00-11:49	Cobble (35%) Rubble (30%) Gravel (15%) Shell (10%) Sand (5%) Small boulder (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (O – 14 individuals) Starfish (*Crossaster sp.*) (U – 6 individuals) Starfish (*Solaster sp.*) (U – 2 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U – 2 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 4 individuals) Sea squirt (Ascidiacea) (U – 3 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (O – 9 individuals) Alligatorfish (*Aspidophoroides monopterygius*) (U – 2 individuals)	No flora observed
334.51-580.15	2	78	11:49-20:30	Rubble (40%) Cobble (25%) Small boulder (15%) Gravel (10%) Shell (5%) Large boulder (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (U – 3 individuals) Starfish (*Crossaster sp.*) (O – 9 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (U – 4 individuals) Sea squirt (Ascidiacea) (U – 3 individuals) Deep sea scallop (*Placopecten magellanicus*) (C) Toad crab (*Hyas sp.*) (O – 6 individuals) Cod (*Gadus sp*.) (U – 1 individual)	No flora observed

TG138 to 137 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
580.15-640.15	3	76	20:30-22:37	Small boulder (20%) Large boulder (20%) Bedrock (15%) Rubble (15%) Cobble (10%) Gravel (10%) Shell (10%)	Anemone (C) Hydroids (A) Bryozoa (A) Starfish (*Asterias sp.*) (C – 12 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (U – 4 individuals) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (O)	No flora observed
640.10-1201.90	4	79	22:37-42:00	Rubble (45%) Cobble (25%) Gravel (15%) Shell (10%) Small boulder (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (O – 23 individuals) Starfish (*Crossaster sp.*) (U – 8 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U – 3 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 5 individuals) Sea squirt (Ascidiacea) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (U – 5 individuals)	No flora observed **Note:** Small patches, approximately 5-10 seconds, of shell hash

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-86.95	1	76	0:00-3:11	Cobble (50%) Gravel (20%) Rubble (10%) Shell (10%) Mud/silt (5%) Small boulder (5%)	Anemone (U) Hydroids (C) Soft coral (*Gersemia sp*.) (U) Starfish (*Asterias sp*.) (U – 5 individuals) Starfish (*Crossaster sp*.) (U – 2 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Sea squirt (Ascidiacea) (U – 3 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 10 individuals) Toad crab (*Hyas sp*.) (U – 1 individual)	No flora observed
86.95-213.82	2	78	3:11-7:49	Rubble (30%) Small boulder (20%) Cobble (20%) Gravel (10%) Large boulder (10%) Mud/silt (5%) Shell (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp*.) (O – 10 individuals) Starfish (*Crossaster sp*.) (U – 2 individuals) Barnacle (*Balanus sp.*) (C) Sponge (*Porifera sp.*) (U – 2 individuals) Stalked sea squirt (*Boltenia sp*.) (O – 12 individuals) Sea squirt (Ascidiacea) (U – 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 9 individuals) Toad crab (*Hyas sp*.) (U – 3 individuals)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
213.82-319.37	3	80	7:49-11:41	Cobble (25%) Gravel (20%) Rubble (20%) Small boulder (15%) Shell (15%) Mud/silt (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp*.) (U) Starfish (*Asterias sp*.) (O – 5 individuals) Starfish (*Crossaster sp*.) (U – 2 individuals) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp*.) (U – 2 individuals) Sea squirt (Ascidiacea) (U – 3 individuals) Icelandic scallop (*Chlamys islandica*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 9 individuals) Toad crab (*Hyas sp*.) (O – 6 individuals) Alligatorfish (*Aspidophoroides monopterygius*) (U – 2 individuals)	**Storm toss:** Sea colander (*Agarum cribrosum*) (1%)
319.37-493.00	4	78	11:41-18:02	Gravel (35%) Cobble (30%) Shell (20%) Rubble (10%) Mud/silt (5%)	Anemone (O) Hydroids (O) Bryozoa (U) Starfish (*Asterias sp*.) (O – 11 individuals) Starfish (*Crossaster sp*.) (O – 6 individuals) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp*.) (U – 3 individuals) Sea squirt (Ascidiacea) (U – 5 individuals) Icelandic scallop (*Chlamys islandica*) (U – 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 7 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 8 individuals) Toad crab (*Hyas sp*.) (O – 8 individuals)	No flora observed

TG139 to 138 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-65.13	1	87	0:00-3:54	Gravel (40%) Cobble (30%) Shell (15%) Rubble (10%) Small boulder (5%)	Anemone (O) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (O – 6 individuals) Basket star (*Gorgonocephalus sp.*) (O – 4 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (O – 11 individuals) Deep sea scallop (*Placopecten magellanicus*) (C) Toad crab (*Hyas sp.*) (U - 2 individuals)	No flora observed
65.13-90.51	2	86	3:54-5:25	Cobble (30%) Small boulder (25%) Gravel (20%) Rubble (15%) Shell (5%) Large boulder (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Basket star (*Gorgonocephalus sp.*) (O – 2 individuals) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (O – 5 individuals) Sponge (*Porifera sp.*) (O – 3 individuals) Stalked sea squirt (*Boltenia sp.*) (O – 6 individuals) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O - 3 individuals)	No flora observed **Note:** Camera was high off bottom making quantification low.

TG139 to 138 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
90.51-396.45	3	82	5:25-24:44	Cobble (40%) Gravel (35%) Shell (10%) Rubble (10%) Small boulder (5%)	Anemone (U) Hydroids (C) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (O – 20 individuals) Starfish (*Crossaster sp.*) (O – 24 individuals) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 2 individuals) Stalked sea squirt (*Boltenia sp.*) (O – 45 individuals) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (U – 10 individuals)	No flora observed
396.45-441.00	4	80	24:44-41:32	Gravel (30%) Cobble (25%) Rubble (15%) Shell (15%) Small boulder (10%) Large boulder (5%)	Anemone (O) Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (O – 17 individuals) Starfish (*Crossaster sp.*) (O – 16 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (O – 20 individuals) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O – 35 individuals) Toad crab (*Hyas sp.*) (U – 9 individuals)	No flora observed

TG139 to 138 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
441.00-521.16	5	76	41:32-46:20	Gravel (35%) Cobble (30%) Shell (20%) Rubble (10%) Small boulder (5%)	Anemone (O) Hydroids (C) Bryozoa (U) Starfish (*Asterias sp.*) (O – 4 individuals) Starfish (*Crossaster sp.*) (U – 1 individuals) Basket star (*Gorgonocephalus sp.*) (O – 40 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (O – 28 individuals) Stalked sea squirt (*Boltenia sp.*) (C – 15 individuals) Toad crab (*Hyas sp.*) (O – 4 individuals) Sculpin (*Myoxocephalus sp.*) (U – 1 individual)	No flora observed **Note:** Camera was high off bottom making quantification low.

Station 139 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0.252.83	1	88	0:00-10:44	Cobble (50%) Gravel (35%) Shell (10%) Mud/silt (5%)	Anemone (O – 26 individuals) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp*.) (O) Starfish (*Asterias sp*.) (U – 2 individuals) Starfish (*Crossaster sp*.) (U – 11 individuals) Basket star (*Gorgonocephalus sp.*) (U – 11 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U – 5 individuals) Stalked sea squirt (*Boltenia sp*.) (O – 22 individuals) Sea squirt (Ascidiacea) (U – 12 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 6 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 16 individuals) Toad crab (*Hyas sp*.) (U – 12 individuals) Alligatorfish (*Aspidophoroides monopterygius*) (U – 1 individual)	No flora observed
252.83-424.60	2	85	10:44-18:01	Cobble (30%) Gravel (30%) Rubble (15%) Shell (10%) Small boulder (10%) Large boulder (5%)	Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp*.) (O) Starfish (*Asterias sp*.) (U – 3 individuals) Starfish (*Crossaster sp*.) (U – 2 individuals) Basket star (*Gorgonocephalus sp*) (U – 10 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp*.) (U – 8 individuals) Sea squirt (Ascidiacea) (U – 4 individuals) Icelandic scallop (*Chlamys islandica*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (U – 7 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 10 individuals) Toad crab (*Hyas sp*.) (U – 3 individuals)	No flora observed

TG140 to 139 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-136.80	1	105	0:00-2:17	Gravel (35%) Cobble (25%) Shell (20%) Small boulder (10%) Large boulder (10%)	Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp.*) (U – 1 individual) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Starfish (*Solaster sp.*) (U – 1 Individual) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (C) Stalked sea squirt (*Boltenia sp.*) (O – 6 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 15 individuals) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Rock crab (*Cancer sp.*) (U – 3 individuals)	Coralline algae (5%)
136.80-376.50	2	108	2:17-10:16	Shell (65%) Cobble (10%) Rubble (10%) Small boulder (5%) Large boulder (5%) Gravel (5%)	Anemone (U) Hydroids (O) Soft coral (*Gersemia sp.*) (O – 32 individuals) Starfish (*Asterias sp.*) (U – 3 individuals) Starfish (*Crossaster sp.*) (U – 9 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (U – 7 individuals) Icelandic scallop (*Chlamys islandica*) (U – 9 individuals) Deep sea scallop (*Placopecten magellanicus*) (C – 45 individuals) Toad crab (*Hyas sp.*) (O – 12 individuals)	No flora observed

TG140 to 139 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
376.50-558.30	3	105	10:16-16:52	Gravel (30%) Cobble (30%) Shell (15%) Rubble (10%) Large boulder (5%) Small boulder (5%) Sand (5%)	Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp.*) (C) Starfish (*Asterias sp.*) (O – 9 individuals) Starfish (*Crossaster sp.*) (O – 5 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (O – 8 individuals) Sea squirt (Ascidiacea) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U – 3 individuals) Deep sea scallop (*Placopecten magellanicus*) (C – 25 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 7 individuals) Toad crab (*Hyas sp.*) (O – 10 individuals)	Coralline algae (5%)
558.30-561.00	4	104	16:52-17:39	Bedrock (40%) Shell (20%) Cobble (10%) Large boulder (10%) Small boulder (5%) Rubble (5%) Gravel (5%) Sand (5%)	Hydroids (O) Bryozoa (U) Starfish (*Asterias sp.*) (O – 2 individuals) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (O – 3 individuals) Sea squirt (Ascidiacea) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed
561.00-761.40	5	101	17:39-24:10	Shell (40%) Cobble (20%) Gravel (15%) Small boulder (10%) Large boulder (5%) Rubble (5%) Sand (5%)	Anemone (U – 1 individual) Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp.*) (C) Starfish (*Asterias sp.*) (U – 6 individuals) Starfish (*Crossaster sp.*) (U – 6 individuals) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (U – 6 individuals) Sea squirt (Ascidiacea) (U – 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (C – 35 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 1 individual) Toad crab (*Hyas sp.*) (O – 8 individuals)	No flora observed

TG140 to 139 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
761.40-991.20	6	97	24:10-46:16	Gravel (30%) Shell (20%) Cobble (15%) Rubble (10%) Small boulder (10%) Large boulder (5%) Sand (5%) Mud/silt (5%)	Anemone (U – 17 individuals) Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp.*) (C) Starfish (*Asterias sp.*) (U – 10 individuals) Starfish (*Crossaster sp.*) (U – 10 individuals) Brittle star (Ophiuroidea) (U) Basket star (*Gorgonocephalus sp.*) (U – 2 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U – 5 individuals) Stalked sea squirt (*Boltenia sp*.) (O – 41 individual) Sea squirt (Ascidiacea) (U – 7 individuals) Icelandic scallop (*Chlamys islandica*) (U – 3 individuals) Deep sea scallop (*Placopecten magellanicus*) (C – 169 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 9 individuals) Toad crab (*Hyas sp.*) (O – 23 individuals)	Coralline algae (10%) **Note:** Isolated boulder fields 24:10 to 25:05 25:46 to 25:55 27:10 to 27:40 33:02 to 33:27 34:07 to 34:27
991.20-1241.1	7	91	46:16-53:56	Cobble (25%) Rubble (20%) Gravel (20%) Small boulder (10%) Shell (10%) Sand (5%) Large boulder (5%) Mud/silt (5%)	Anemone (O – 21 individuals) Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp.*) (C) Starfish (*Asterias sp.*) (O – 1 individual) Starfish (*Crossaster sp.*) (U – 5 individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U – 3 individuals) Stalked sea squirt (*Boltenia sp*.) (O – 17 individuals) Sea squirt (Ascidiacea) (U – 3 individuals) Icelandic scallop (*Chlamys islandica*) (U – 7 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 49 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 13 individuals) Toad crab (*Hyas sp.*) (O – 15 individuals)	Coralline algae (5%) **Note:** Isolated boulder patches

Station 141 to 140 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-127.13	1	111	0:00-6:09	Gravel (40%) Cobble (20%) Rubble (20%) Shell (10%) Sand (5%) Small boulder (5%)	Anemone (O) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Crossaster sp.*) (U) Barnacle (*Balanus sp*.) (O) Sponge (*Porifera sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (O) Icelandic scallop (*Chlamys islandica*) (U) Snow crab (*Chionoecetes opilio*) (O)	**Storm toss**: Sea colander (*Agarum cribrosum*) (1%)
127.13-139.12	2	120	6:09-6:44	Rubble (30%) Cobble (20%) Large boulder (20%) Small boulder (15%) Gravel (5%) Sand (5%) Shell (5%)	Anemone (U) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Crossaster sp.*) (U) Barnacle (*Balanus sp*.) (O) Sponge (*Porifera sp.*) (O) Stalked sea squirt (*Boltenia sp*.) (O) Deep sea scallop (*Placopecten magellanicus*) (O) Snow crab (*Chionoecetes opilio*) (U)	No flora observed

Station 141 to 140 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
139.12-265.00	3	112	6:44-12:49	Cobble (30%) Shell (30%) Rubble (20%) Gravel (10%) Sand (5%) Silt (5%)	Anemone (U) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U) Sponge (*Porifera sp.*) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U) Hermit crab (*Pagurus sp.*) (U) Toad crab (*Hyas sp.*) (U)	Crustose algae *(Lithothamnium sp.)* (5%)
265.00-299.73	4	103	12:49-14:30	Large boulder (40%) Small boulder (20%) Rubble (15%) Cobble (10%) Gravel (5%) Sand (5%) Shell (5%)	Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Crossaster sp.*) (U) Starfish (*Solaster sp.*) (U) Barnacle (*Balanus sp*.) (O) Sponge (*Porifera sp.*) (U) Stalked sea squirt (*Boltenia sp*.) (O) Pale urchin (*Strongylocentrotus pallidus*) (U)	No flora observed

Station 141 to 140 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
299.73-622.60	5	104	14:30-30:06	Cobble (35%) Gravel (25%) Shell (20%) Rubble (10%) Sand (5%) Mud/silt (5%)	Anemone (U) Hydroids (A) Bryozoa (U) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (O) Barnacle (*Balanus sp*.) (O) Sponge (*Porifera sp.*) (U) Stalked sea squirt (*Boltenia sp*.) (U) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U)	Crustose algae (non *Lithothamnium sp.*) (10%)

Station 142 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-128.48	1	108	0:00-9:53	Rubble (35%) Cobble (30%) Gravel (20%) Mud/silt (5%) Shell (5%) Small boulder (5%)	Anemone (U) Hydroids (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (U) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O)	No flora observed
128.48-139.32	2	104	9:53-10:43	Large boulder (50%) Mud/silt (15%) Small boulder (15%) Cobble (5%) Gravel (5%) Rubble (5%) Shell (5%)	Hydroids (A) Bryozoa (O) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U) Starfish (*Solaster sp.*) (U) Barnacle (*Balanus sp.*) (C) Sponge (*Porifera sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (O) Icelandic scallop (*Chlamys islandica*) (O)	No flora observed

Station 142 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
139.32-176.76	3	104	10:43-13:36	Gravel (35%) Cobble (20%) Rubble (20%) Shell (15%) Mud/silt (5%) Small boulder (5%)	Anemone (U) Hydroids (O) Bryozoa (C) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U) Basket star (*Gorgonocephalus sp.*) (U) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (U) Sea squirt (Ascidiacea) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 2 individuals)	No flora observed
176.76-208.00	4	102	13:36-16:00	Large boulder (30%) Rubble (20%) Small boulder (20%) Cobble (10%) Mud/silt (10%) Gravel (5%) Shell (5%)	Anemone (U) Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (O) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (U) Sponge (*Porifera sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (O) Sea squirt (Ascidiacea) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U – 3 individuals)	No flora observed

TG142 to 143 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-113.33	1	106	0:00-5:14	Gravel (30%) Cobble (20%) Shell (20%) Rubble (10%) Small boulder (10%) Large boulder (5%) Sand (5%)	Anemone (O) Hydroids (O) Soft coral (*Gersemia sp.*) (C) Starfish (*Asterias sp.*) (U – 3 individuals) Starfish (*Crossaster sp.*) (O – 6 individuals) Starfish (*Solaster sp.*) (U – 2 Individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Sponge (*Porifera sp.*) (O – 4 individuals) Stalked sea squirt (*Boltenia sp.*) (O – 6 individuals) Sea squirt (Ascidiacea) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (C) Pale urchin (*Strongylocentrotus pallidus*) (O – 10 individuals) Toad crab (*Hyas sp.*) (O – 7 individuals)	Coralline algae (10%)
113.33-145.84	2	105	5:14-6:44	Small boulder (30%) Large boulder (30%) Sand (10%) Cobble (10%) Rubble (10%) Gravel (5%) Shell (5%)	Hydroids (A) Bryozoa (O) Starfish (*Asterias sp.*) (U – 1 individual) Starfish (*Crossaster sp.*) (O – 3 individuals) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (C – 10 individuals) Sponge (*Porifera sp.*) (O – 4 individuals) Stalked sea squirt (*Boltenia sp.*) (O – 6 individuals) Icelandic scallop (*Chlamys islandica*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (O – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 1 individual)	No flora observed

TG142 to 143 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
145.84-406.10	3	105	6:44-18:50	Shell (45%) Gravel (20%) Cobble (15%) Rubble (10%) Mud/silt (5%) Small boulder (5%)	Anemone (O – 18 individuals) Hydroids (C) Soft coral (*Gersemia sp.*) (O – 14 individuals) Starfish (*Asterias sp.*) (U – 4 individuals) Starfish (*Crossaster sp.*) (O – 12 individuals Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Sponge (*Porifera sp.*) (U – 5 individuals) Sea squirt (Ascidiacea) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (C) Sand dollar (*Echinarachnius parma*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U – 8 individuals) Toad crab (*Hyas sp.*) (U – 3 individuals)	No flora observed
403.10-462.88	4	103	18:50-21:27	Large boulder (40%) Small boulder (25%) Rubble (10%) Sand (10%) Gravel (5%) Cobble (5%) Shell (5%)	Anemone (O – 8 individuals) Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (O – 7 individuals) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (A) Basket star (*Gorgonocephalus sp.*) (O – 12 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 4 individuals) Stalked sea squirt (*Boltenia sp.*) (O – 17 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (O – 7 individuals) Toad crab (*Hyas sp.*) (U – 3 individuals)	No flora observed

TG142 to 143 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
462.88-483.47	5	104	21:27-22:24	Cobble (40%) Rubble (25%) Gravel (20%) Shell (10%) Small boulder (5%)	Anemone (O – 2 individuals) Hydroids (O) Soft coral (*Gersemia sp.*) (O – 6 individuals) Starfish (*Asterias sp.*) (U – 1 individual) Starfish (*Crossaster sp.*) (U – 1 individual) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Sponge (*Porifera sp.*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (U) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed
483.47-512.72	6	104	22:24-23:45	Large boulder (40%) Small boulder (30%) Rubble (10%) Shell (10%) Gravel (5%) Cobble (5%)	Anemone (O – 10 individuals) Hydroids (O) Bryozoa (O) Soft coral (*Gersemia sp.*) (O – 8 individuals) Starfish (*Asterias sp.*) (U – 1 individual) Starfish (*Crossaster sp.*) (U – 1 individual) Basket star (*Gorgonocephalus sp.*) (O – 8 individuals) Sponge (*Porifera sp.*) (U – 2 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 2 individuals) Sea squirt (Ascidiacea) (U – 1 individual)	No flora observed
512.72-583.58	7	104	23:45-27:01	Shell (30%) Gravel (25%) Cobble (20%) Rubble (20%) Small boulder (5%)	Anemone (U – 2 individuals) Soft coral (*Gersemia sp.*) (O – 14 individuals) Starfish (*Asterias sp.*) (U – 5 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Starfish (*Solaster sp.*) (U – 1 Individual) Deep sea scallop (*Placopecten magellanicus*) (C) Pale urchin (*Strongylocentrotus pallidus*) (U – 6 individuals) Toad crab (*Hyas sp.*) (U – 3 individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (U – 1 individual)	No flora observed

TG142 to 143 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
583.58-619.99	8	104	27:01-28:42	Large boulder (40%) Small boulder (25%) Rubble (10%) Cobble (10%) Shell (10%) Gravel (5%)	Anemone (O – 8 individuals) Hydroids (C) Bryozoa (C) Soft coral (*Gersemia sp.*) (U – 3 individuals) Starfish (*Asterias sp.*) (U – 1 individual) Starfish (*Crossaster sp.*) (U – 3 individuals) Brittle star (Ophiuroidea) (O – 1 individual) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Sponge (*Porifera sp.*) (U – 3 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 4 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Toad crab (*Hyas sp.*) (U – 3 individuals)	No flora observed
619.99-951.11	9	103	28:26-43:43	Gravel (30%) Shell (25%) Cobble (20%) Rubble (10%) Small boulder (10%) Large boulder (5%)	Anemone (C – 19 individuals) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp.*) (C – 29 individuals) Starfish (*Asterias sp.*) (U – 6 individuals) Starfish (*Crossaster sp.*) (U – 6 individuals) Starfish (*Solaster sp.*) (U – 2 Individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (U – 9 individuals) Sponge (*Porifera sp.*) (U – 3 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 6 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U – 21 individuals) Toad crab (*Hyas sp.*) (C – 26 individuals)	Coralline algae (10%) **Note:** Coffee mug observed at 38:16

TG142 to 143 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
951.11-1083.73	10	97	43:43-49:50	Small boulder (30%) Large boulder (30%) Bedrock (10%) Cobble (10%) Rubble (5%) Gravel (5%) Sand (5%) Shell (5%)	Anemone (O) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (O – 11 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (C – 43 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 3 individuals) Stalked sea squirt (*Boltenia sp.*) (O – 11 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O – 9 individuals) Toad crab (*Hyas sp.*) (O – 8 individuals)	No flora observed
1083.73-1115.58	11	98	49:50-51:18	Bedrock (30%) Small boulder (30%) Large boulder (20%) Rubble (5%) Cobble (5%) Gravel (5%) Shell (5%)	Hydroids (A) Bryozoa (C) Starfish (*Asterias sp.*) (U – 1 individual) Basket star (*Gorgonocephalus sp.*) (C – 8 individuals) Sponge (*Porifera sp.*) (O – 6 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 1 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 1 individuals) Toad crab (*Hyas sp.*) (O – 3 individuals)	No flora observed **Note:** Trench edge 50:52 to 51:10

TG142 to 143 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
1115.58-1201.83	12	99	51:18-55:17	Shell (30%) Cobble (20%) Gravel (15%) Rubble (10%) Bedrock (5%) Small boulder (5%) Large boulder (5%) Sand (5%) Mud/silt (5%)	Anemone (O – 12 individuals) Hydroids (C) Soft coral (*Gersemia sp.*) (O – 11 individuals) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Basket star (*Gorgonocephalus sp.*) (U – 3 individuals) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp*.) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (C) Pale urchin (*Strongylocentrotus pallidus*) (O – 2 individuals) Toad crab (*Hyas sp.*) (U – 2 individuals) Sculpin (*Myoxocephalus sp.)* (U – 1 individual)	No flora observed
1201.83-1243.65	13	102	55:17-57:13	Small boulder (30%) Large boulder (20%) Rubble (15%) Cobble (15%) Sand (10%) Shell (10%)	Anemone (U) Hydroids (A) Soft coral (*Gersemia sp.*) (O) Starfish (*Crossaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (U) Basket star (*Gorgonocephalus sp.*) (O – 9 individuals) Sponge (*Porifera sp.*) (O – 6 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 3 individuals) Deep sea scallop (*Placopecten magellanicus*) (U) Toad crab (*Hyas sp.*) (U – 3 individuals) Basket star (*Gorgonocephalus sp.*) (O – 9 individuals) Alligatorfish (*Aspidophoroides monopterygius*) (U – 1 individual)	No flora observed

TG142 to 143 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
1243.65-1412.24	14	106	57:13-1:05:00	Shell (25%) Gravel (25%) Rubble (20%) Cobble (15%) Small boulder (10%) Sand (5%)	Anemone (U) Hydroids (O) Starfish (*Asterias sp.*) (O – 4 individuals) Starfish (*Crossaster sp.*) (O – 5 individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (U – 3 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U – 7 individuals) Toad crab (*Hyas sp.*) (O – 10 individuals) Sculpin (*Myoxocephalus sp.*) (U – 1 individual) Juvenile cod (*Gadus sp.*) (U – 1 individual)	No flora observed
1412.24-1508.67	15	105	1:05:00-1:09:27	Cobble (40%) Gravel (20%) Shell (20%) Rubble (10%) Small boulder (5%) Sand (5%)	Anemone (O – 15 individuals) Hydroids (C) Bryozoa (C) Soft coral (*Gersemia sp.*) (O – 18 individuals) Starfish (*Asterias sp.*) (U – 5 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (U – 3 individuals) Sponge (*Porifera sp.*) (U – 2 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 6 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U – 5 individuals) Toad crab (*Hyas sp.*) (O – 7 individuals) Sculpin (*Myoxocephalus sp.*) (U – 1 individual)	No flora observed

Station 143 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-75.50	1	103	0:00-4:21	Cobble (30%) Gravel (30%) Rubble (20%) Shell (15%) Mud/silt (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp.*) (C) Starfish (*Asterias sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (U) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U – 2 individuals) Toad crab (*Hyas sp.*) (O)	Coralline algae (5%)
75.50-243.00	2	104	4:21-14:00	Shell Hash (60%) Cobble (15%) Gravel (15%) Mud/silt (5%) Rubble (5%)	Anemone (U) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp.*) (U) Starfish (*Solaster sp.*) (U) Starfish (*Crossaster sp.*) (O) Brittle star (Ophiuroidea) (U) Basket star (*Gorgonocephalus sp.*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U) Toad crab (*Hyas sp.*) (O)	Coralline algae (10%)

TG143 to 144 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-181.40	1	103	0:00-7:00	Cobble (35%) Gravel (20%) Rubble (20%) Shell (10%) Small boulder (5%) Large boulder (5%) Sand (5%)	Anemone (O – 30 individuals) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp.*) (C – too many individuals to count) Starfish (*Asterias sp.*) (U – 5 individuals) Starfish (*Crossaster sp.*) (O – 10 individuals) Starfish (*Solaster sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (C – 42 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U – 9 individuals) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Toad crab (*Hyas sp.*) (O – 21 individuals)	No flora observed
181.40-192.60	2	102	7:00-7:26	Large boulder (30%) Small boulder (20%) Rubble (20%) Cobble (10%) Gravel (10%) Shell (10%)	Anemone (O – 5 individuals) Hydroids (C) Bryozoa (U) Basket star (*Gorgonocephalus sp.*) (C – 15 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual)	No flora observed
192.60-241.90	3	102	7:26-9:32	Cobble (40%) Gravel (20%) Shell (15%) Rubble (15%) Sand (5%) Small boulder (5%)	Anemone (O) Hydroids (C) Brittle star (Ophiuroidea) (C) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U – 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O – 11 individuals) Toad crab (*Hyas sp.*) (O – 5 individuals)	No flora observed

TG143 to 144 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
241.90-252.30	4	102	9:32-9:56	Large boulder (40%) Small boulder (30%) Cobble (10%) Gravel (10%) Rubble (5%) Shell (5%)	Anemone (U) Hydroids (C) Bryozoa (C) Basket star (*Gorgonocephalus sp.*) (O – 2 individuals) Soft coral (*Gersemia sp.*) (U) Sponge (*Porifera sp.*) (O – 3 individuals) Deep sea scallop (*Placopecten magellanicus*) (U)	No flora observed
252.30-677.30	5	103	9:56-26:20	Rubble (30%) Cobble (25%) Gravel (20%) Shell (10%) Small boulder (5%) Sand (5%) Mud/silt (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (O – 13 individuals) Starfish (*Crossaster sp.*) (O – 15 individuals) Starfish (*Solaster sp.*) (U – 3 individuals) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (O – 40 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (O – 28 individuals) Stalked sea squirt (*Boltenia sp.*) (O – 24 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O – 35 individuals) Toad crab (*Hyas sp.*) (O – 28 individuals)	Coralline algae (10%)

TG143 to 144 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
677.30-716.20	6	104	26:20-27:50	Large boulder (30%) Small boulder (20%) Cobble (15%) Shell (15%) Rubble (10%) Gravel (10%)	Anemone (O) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Basket star (*Gorgonocephalus sp.*) (O – 5 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (O – 9 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Toad crab (*Hyas sp.*) (O – 7 individuals)	No flora observed
716.20-863.90	7	102	27:50-33:32	Gravel (50%) Cobble (30%) Rubble (10%) Shell (10%)	Anemone (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U – 8 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Sponge (*Porifera sp.*) (O – 1 individual) Sea squirt (Ascidiacea) (U – 1 individual) Toad crab (*Hyas sp.*) (O – 12 individuals)	No flora observed
863.90-929.50	8	97	33:32-36:04	Large boulder (40%) Small boulder (20%) Rubble (20%) Shell (10%) Cobble (5%) Gravel (5%)	Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U – 1 individual) Starfish (*Crossaster sp.*) (U – 2 individuals) Basket star (*Gorgonocephalus sp.*) (C – 22 individuals) Sponge (*Porifera sp.*) (C – 37 individuals) Stalked sea squirt (*Boltenia sp*.) (O – 11 individuals) Toad crab (*Hyas sp.*) (U – 3 individuals)	Coralline algae (10%)

TG143 to 144 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
929.50-954.60	9	97	36:04-37:02	Cobble (60%) Gravel (30%) Rubble (5%) Shell (5%)	Anemone (O) Hydroids (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Crossaster sp.*) (O - 2 individuals) Basket star (*Gorgonocephalus sp.*) (O – 3 individuals) Sponge (*Porifera sp.*) (O - 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (O) Toad crab (*Hyas sp.*) (O – 1 individual)	No flora observed

Station 144 to 145 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-128.90	1	95	0:00-5:40	Rubble (30%) Cobble (20%) Small boulder (20%) Gravel (10%) Shell (10%) Mud/silt (5%) Sand (5%)	Anemone (O) Hydroids (C) Bryozoa (C) Soft coral (*Gersemia sp.*) (C) Starfish (*Asterias sp.*) (U) Starfish (*Solaster sp.*) (U – 3 individuals) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (A) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (C) Stalked sea squirt (*Boltenia sp.*) (U) Sea squirt (Ascidiacea) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U) Toad crab (*Hyas sp.*) (O)	Coralline algae (15%)
128.90-186.50	2	94	5:40-8:12	Large boulder (25%) Rubble (20%) Small boulder (20%) Cobble (15%) Gravel (10%) Mud/silt (5%) Shell (5%)	Anemone (O) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (C) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (A) Sponge (*Porifera sp.*) (C) Stalked sea squirt (*Boltenia sp.*) (O) Deep sea scallop (*Placopecten magellanicus*) (U) Gastropod (Gastropoda) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U) Toad crab (*Hyas sp.*) (O)	Coralline algae (10%)

Station 144 to 145 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
186.50-362.18	3	96	8:12-15:56	Small boulder (40%) Rubble (25%) Cobble (10%) Shell (10%) Gravel (5%) Large boulder (5%) Mud/silt (5%)	Anemone (C) Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (C) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (O) Starfish (*Solaster sp.*) (U – 1 individual) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (A) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (C) Stalked sea squirt (*Boltenia sp.*) (O) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O) Alligatorfish (*Aspidophoroides monopterygius*) (U – 1 individual)	Coralline algae (10%)
362.15-455.00	4	105	15:56-20:00	Cobble (35%) Gravel (25%) Rubble (15%) Shell (15%) Small boulder (5%) Sand (3%) Mud/silt (2%)	Anemone (C) Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (C) Starfish (*Asterias sp.*) (U) Brittle star (Ophiuroidea) (C) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (C) Icelandic scallop (*Chlamys islandica*) (U) Sand dollar (*Echinarachnius parma*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U)	No flora observed

TG146 to 145 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-166.25	1	106	0:00-2:00	Large boulder (30%) Small boulder (30%) Shell (15%) Rubble (10%) Cobble (10%) Gravel (5%)	Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (O – 5 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (O – 6 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed
166.25-203.32	2	106	2:00-3:06	Rubble (30%) Cobble (30%) Gravel (20%) Shell (10%) Small boulder (5%) Mud/silt (5%)	Anemone (U) Hydroids (C) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U – 1 individual) Starfish (*Crossaster sp.*) (U – 1 individual) Basket star (*Gorgonocephalus sp.*) (O - 6 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O – 3 individuals)	No flora observed

TG146 to 145 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
203.32-285.16	3	103	3:06-5:20	Large boulder (35%) Small boulder (30%) Rubble (10%) Gravel (10%) Cobble (10%) Shell (5%)	Anemone (U – 1 individual) Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp*.) (U) Starfish (*Asterias sp.*) (U – 4 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (U) Basket star (*Gorgonocephalus sp.*) (C - 17 individuals) Sponge (*Porifera sp.*) (O – 11 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 4 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 2 individuals)	No flora observed
285.16-449.58	4	103	5:20-9:49	Rubble (25%) Cobble (20%) Gravel (15%) Shell (15%) Small boulder (15%) Large boulder (10%)	Anemone (U) Hydroids (O) Soft coral (*Gersemia sp*.) (U) Starfish (*Asterias sp.*) (U – 4 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Sponge (*Porifera sp.*) (C – 25 individuals) Stalked sea squirt (*Boltenia sp*.) (O – 9 individuals) Deep sea scallop (*Placopecten magellanicus*) (C) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (O – 7 individuals) Stalked jellyfish (Stauromedusae) (U – 1 individual)	Coralline algae (5%) **Note:** Camera was high off bottom making quantification low.

TG146 to 145 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
449.58-743.46	5	103	9:49-18:06	Small boulder (20%) Rubble (15%) Gravel (15%) Cobble (15%) Shell (15%) Large boulder (10%) Mud/silt (5%) Sand (5%)	Anemone (U) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U – 5 individuals) Starfish (*Crossaster sp.*) (U – 8 individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (O - 26 individuals) Sponge (*Porifera sp.*) (C – 29 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 10 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (C) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O – 15 individuals)	No flora observed **Note:** Camera was high off bottom making quantification low.
743.46-1183.86	6	102	18:06-30:06	Gravel (20%) Cobble (20%) Rubble (20%) Small boulder (15%) Large boulder (15%) Shell (10%)	Anemone (U) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (O – 14 individuals) Starfish (*Crossaster sp.*) (U – 7 individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (C - 60 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (C – 35 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 10 individuals) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O – 25 individuals)	No flora observed **Note:** Camera was high off bottom making quantification low.

TG146 to 145 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
1183.86-1407.73	7	98	30:06-36:12	Small boulder (20%) Cobble (20%) Rubble (20%) Shell (15%) Large boulder (10%) Gravel (10%) Mud/silt (5%)	Anemone (U) Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp*.) (O) Starfish (*Asterias sp.*) (U – 3 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Basket star (*Gorgonocephalus sp.*) (C - 70 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (C – 37 individuals) Stalked sea squirt (*Boltenia sp*.) (O – 13 individuals) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 13 individuals)	Coralline algae (5%)
1407.73-1681.7	8	97	36:12-45:14	Small boulder (20%) Rubble (20%) Shell (20%) Large boulder (15%) Cobble (15%) Gravel (10%)	Anemone (U) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (U – 5 individuals) Starfish (*Crossaster sp.*) (U – 6 individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (C - 76 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (C – 26 individuals) Stalked sea squirt (*Boltenia sp*.) (C – 38 individuals) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O – 12 individuals)	Coralline algae (5%) **Note:** Steel cable at 42:51, 43:10, and 43:22

Station 146 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-66.58	1	98	0:00-2:35	Large boulder (30%) Small boulder (20%) Rubble (15%) Bedrock (10%) Cobble (10%) Gravel (5%) Mud/silt (5%) Shell (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (U – 7 individuals) Basket star (*Gorgonocephalus sp.*) (U) Brittle star (Ophiuroidea) (O – 12 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (O – 18 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 3 individuals) Sea squirt (Ascidiacea) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U – 2 individuals) Toad crab (*Hyas sp.*) (U – 2 individuals)	Coralline algae (10%)
66.58-218.58	2	107	2:35-8:16	Shell (30%) Cobble (25%) Rubble (20%) Gravel (15%) Mud/silt (5%) Small boulder (3%) Large boulder (2%)	Anemone (U) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (O – 11 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Brittle star (Ophiuroidea) (C) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual) Sea squirt (Ascidiacea) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O – 17 individuals) Toad crab (*Hyas sp.*) (U – 6 individuals) Alligatorfish (*Aspidophoroides monopterygius*) (U – 1 individual)	Coralline algae (5%)

Station 146 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
218.58-239.99	3	107	8:16-9:18	Rubble (30%) Small boulder (20%) Cobble (15%) Shell (15%) Large boulder (10%) Gravel (5%) Mud/silt (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (O – 6 individuals) Brittle star (Ophiuroidea) (C) Sponge (*Porifera sp.*) (O – 7 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (O – 8 individuals) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed
239.99-324.64	4	106	9:18-12:35	Shell (30%) Cobble (25%) Gravel (20%) Rubble (20%) Mud/silt (5%)	Anemone (U – 2 individuals) Hydroids (C) Starfish (*Asterias sp.*) (U – 3 individuals) Brittle star (Ophiuroidea) (C) Sea squirt (Ascidiacea) (U – 2 individual) Sponge (*Porifera sp.*) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U – 5 individuals) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed
324.64-414.70	5	102	12:35-16:04	Small boulder (25%) Cobble (20%) Large boulder (20%) Gravel (10%) Rubble (10%) Shell (10%) Mud/silt (5%)	Anemone (U) Hydroids (C) Starfish (*Asterias sp.*) (O – 13 individuals) Basket star (*Gorgonocephalus sp.*) (U – 4 individuals) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 4 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 4 individuals) Sea squirt (Ascidiacea) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (O - 12 individuals) Toad crab (*Hyas sp.*) (U – 2 individuals)	Coralline algae (5%)

TG147 to 146 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-132.50	1	88	0:00-4:02	Small boulder (30%) Cobble (25%) Rubble (20%) Gravel (10%) Shell (5%) Large boulder (5%) Bedrock (5%)	Anemone (U) Hydroids (C) Bryozoa (C) Starfish (*Asterias sp.*) (O – 12 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 2 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (O – 6 individuals)	No flora observed
132.50-168.70	2	90	4:02-5:08	Bedrock (45%) Small boulder (15%) Large boulder (10%) Rubble (10%) Cobble (10%) Gravel (5%) Shell (5%)	Hydroids (O) Starfish (*Asterias sp.*) (C – 13 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 2 individuals)	No flora observed

TG147 to 146 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
168.70-558.60	3	88	5:08-17:00	Cobble (40%) Rubble (20%) Gravel (15%) Small boulder (10%) Shell (10%) Large boulder (5%)	Anemone (U) Hydroids (A) Bryozoa (O) Starfish (*Asterias sp.*) (C – 91 individuals) Starfish (*Crossaster sp.*) (O – 12 individuals) Brittle star (Ophiuroidea) (C) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (O – 12 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (O – 10 individuals)	Coralline algae (10%)
558.60-749.20	4	87	17:00-22:48	Bedrock (40%) Cobble (20%) Small boulder (15%) Rubble (10%) Gravel (5%) Shell (5%) Large boulder (5%)	Anemone (O) Hydroids (A) Bryozoa (C) Starfish (*Asterias sp.*) (C – 29 individuals) Starfish (*Crossaster sp.*) (O – 7 individuals) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (U – 3 individuals) Barnacle (*Balanus sp.*) (C) Sponge (*Porifera sp.*) (C – 12 individuals) Stalked sea squirt (*Boltenia sp.*) (O – 16 individuals) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (O) Sand dollar (*Echinarachnius parma*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 1 individual)	Coralline algae (5%)

TG147 to 146 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
749.20-802.30	5	83	22:48-24:25	Small boulder (30%) Bedrock (20%) Large boulder (15%) Rubble (10%) Gravel (10%) Cobble (10%) Shell (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (C – 12 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (U – 3 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (C) Stalked sea squirt (*Boltenia sp.*) (C – 15 individuals) Deep sea scallop (*Placopecten magellanicus*) (U) Toad crab (*Hyas sp.*) (O – 1 individual)	No flora observed
802.30-1018.60	6	81	24:25-31:00	Rubble (40%) Cobble (20%) Gravel (10%) Shell (10%) Small boulder (10%) Large boulder (10%)	Anemone (O) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (O – 15 individuals) Starfish (*Crossaster sp.*) (U – 6 individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (O - 28 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (C – 8 individuals) Stalked sea squirt (*Boltenia sp.*) (O – 16 individuals) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 8 individuals)	Coralline algae (5%)

TG147 to 146 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
1018.60-1140.70	7	77	31:00-34:43	Rubble (30%) Bedrock (20%) Cobble (15%) Large boulder (10%) Small boulder (10%) Gravel (10%) Shell (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (O – 8 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (C - 40 individuals) Sponge (*Porifera sp.*) (O – 7 individuals) Stalked sea squirt (*Boltenia sp.*) (C – 8 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 2 individuals) Sculpin (*Myoxocephalus sp.*) (U – 1 individual)	No flora observed
1140.70-1353.2	8	102	34:43-41:11	Bedrock (30%) Rubble (25%) Cobble (10%) Gravel (10%) Shell (10%) Small boulder (10%) Large boulder (5%)	Anemone (O) Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp.*) (U – 1 individual) Starfish (*Asterias sp.*) (O – 17 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (O - 7 individuals) Sponge (*Porifera sp.*) (O – 5 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 4 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 3 individuals) Sculpin (*Myoxocephalus sp.*) (U – 1 individual)	No flora observed **Note:** Trench edge at 35:18, approximately a 30m drop

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-75.06	1	91	0:00-2:22	Cobble (40%) Rubble (30%) Gravel (15%) Small boulder (5%) Shell (5%) Mud/silt (5%)	Anemone (U – 5 individuals) Hydroids (O) Starfish (*Asterias sp.*) (C – 18 individuals) Starfish (*Crossaster sp.*) (O – 5 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Cushion star (*Asterina sp.*) (U – 1 individual) Sponge (*Porifera sp.*) (U – 1 individual) Sea squirt (Ascidiacea) (U – 3 individuals) Icelandic scallop (*Chlamys islandica*) (O – 5 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 6 individuals) Sand dollar (*Echinarachnius parma)* Pale urchin (*Strongylocentrotus pallidus*) (O – 7 individuals) Toad crab (*Hyas sp.*) (U – 1 individual)	**Storm toss**: Red fern (*Ptilota sp.*) (2%)
75.06-130.48	2	86	2:22-4:07	Bedrock (80%) Large boulder (10%) Small boulder (5%) Rubble (5%)	Anemone (O – 6 individuals) Hydroids (O) Bryozoa (U) Starfish (*Asterias sp.*) (C – 13 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (C) Sponge (*Porifera sp.*) (U – 3 and) Sea squirt (Ascidiacea) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (C – 12 individuals) Snow crab (*Chionoecetes opilio*) (U – 1 individual)	**Storm toss**: Red fern (*Ptilota sp.*) (1%)
130.48-168.48	3	86	4:07-5:19	Rubble (30%) Cobble (25%) Small boulder (20%) Gravel (10%) Shell (5%) Mud/silt (5%) Large boulder (5%)	Anemone (U – 2 individuals) Starfish (*Asterias sp.*) (O – 5 individuals) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (U) Icelandic scallop (*Chlamys islandica*) (U – 3 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U – 1 individual)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
168.48-258.74	4	85	5:19-8:10	Cobble (40%) Gravel (30%) Rubble (20%) Shell (5%) Mud/silt (5%)	Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (C – 13 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (O – 6 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 6 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 12 individuals) Toad crab (*Hyas sp.*) (U – 2 individuals) Sculpin (*Myoxocephalus sp.*) (U – 1 individual)	**Storm toss**: Red fern (*Ptilota sp.*) (1%)
258.74-571.65	5	84	8:10-18:03	Cobble (30%) Rubble (30%) Gravel (20%) Small boulder (15%) Large boulder (5%)	Hydroids (O) Bryozoa (O) Starfish (*Asterias sp.*) (O – 18 individuals) Starfish (*Crossaster sp.*) (O – 18 individuals) Starfish (*Solaster sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (U) Icelandic scallop (*Chlamys islandica*) (O – 21 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 25 individual) Pale urchin (*Strongylocentrotus pallidus*) (O – 18 individuals) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 3 individuals)	Coralline algae (5%) **Storm toss**: Red fern (*Ptilota sp.*) (2%) Sea colander (*Agarum cribrosum*) (1%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna Estimated Abundance)	Macroflora (Estimated % Coverage)
0-330.30	1	72	0:00-8:55	Cobble (55%) Gravel (20%) Rubble (10%) Small boulder (5%) Shell (5%) Mud/silt (5%)	Anemone (U – 3 individuals) Hydroids (O) Starfish (*Asterias sp.*) (U – 5 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Brittle star (Ophiuroidea) (C) Icelandic scallop (*Chlamys islandica*) (O – 10 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 11 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 19 individuals) Snow crab (*Chionoecetes opilio*) (U – 2 individuals) Toad crab (*Hyas sp.*) (O – 9 individuals) Juvenile cod (*Gadus sp*) (U – 2 individuals) Stalked jellyfish (Stauromedusae)	Coralline algae (5%) **Storm toss:** Red fern (*Ptilota sp.*) (20%) Sea colander (*Agarum cribrosum*) (2%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-309.60	1	55	0:00-10:27	Gravel (40%) Cobble (35%) Rubble (5%) Small boulder (5%) Shell (5%) Mud/silt (5%) Sand (5%)	Starfish (*Asterias sp.*) (O – 10 individuals) Starfish (*Crossaster sp.*) (O – 14 individuals) Brittle star (Ophiuroidea) (O) Icelandic scallop (*Chlamys islandica*) (O – 8 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (O – 9 individuals) Toad crab (*Hyas sp.*) (O – 12 individuals) Adult cod (*Gadus sp.*) (U – 3 individuals)	Crustose algae *(Lithothamnium sp.)* (20%) Knotted wrack (*Ascophyllum nodosum*) (1%) **Storm toss:** Red fern (*Ptilota sp.*) (30%) Sea colander (*Agarum cribrosum*) (2%) Sour weed (*Desmarestia sp*.) (1%) Kelp (*Laminaria sp.*) (1%)
309.60-416.30	2	31	10:27-14:03	Rubble (30%) Cobble (25%) Gravel (25%) Sand (10%) Small boulder (5%) Mud/silt (5%)	Starfish (*Asterias sp.*) (U – 3 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 2 individuals) Stalked jellyfish (Stauromedusae) (U – 1 individual)	Crustose algae *(Lithothamnium sp.)* (60%) Coralline algae (10%) Red fern (*Ptilota sp.*) (10%) Sea colander (*Agarum cribrosum*) (2%) Knotted wrack (*Ascophyllum nodosum*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (10%) Sea colander (*Agarum cribrosum*) (2%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-55.60	1	23	0:00-2:13	Gravel (50%) Cobble (30%) Rubble (10%) Sand (10%)	Soft coral (*Gersemia sp*.) (U - 1 individual) Starfish (*Asterias sp.*) (O – 8 individuals) Starfish (*Crossaster sp.*) (O – 4 individuals) Rock crab (*Cancer sp.*) (U – 1 individual)	Crustose algae *(Lithothamnium sp.)* (50%) Sea colander (*Agarum cribrosum*) (20%) Red fern (*Ptilota sp.*) (15%) Coralline algae (5%) **Storm toss:** Sea colander (*Agarum cribrosum*) (2%) Red fern (*Ptilota sp.*) (1%)
55.60-150.6	2	19	2:13-6:00	Bedrock (40%) Cobble (20%) Gravel (15%) Rubble (10%) Small boulder (10%) Sand (5%)	Starfish (*Asterias sp.*) (O – 6 individuals) Rock crab (*Cancer sp.*) (O – 3 individuals)	Crustose algae *(Lithothamnium sp.)* (70%) Sea colander (*Agarum cribrosum*) (30%) Red fern (*Ptilota sp.*) (25%) Coralline algae (10%) Edible kelp (*Alaria sp.*) (5%) **Note:** Algal cover reduced visibility
150.60-185.70	3	19	6:00-7:24	Cobble (30%) Gravel (25%) Rubble (20%) Sand (10%) Small boulder (10%) Mud/silt (5%)	Starfish (*Asterias sp.*) (O – 3 individuals) Sea cucumber (*Cucumaria frondosa*) (U – 1 individual)	Crustose algae *(Lithothamnium sp.)* (40%) Sea colander (*Agarum cribrosum*) (35%) Red fern (*Ptilota sp.*) (20%)
185.70-309.50	4	17	7:24-12:20	Bedrock (80%) Small boulder (10%) Cobble (5%) Gravel (5%)	Starfish (*Asterias sp.*) (U – 8 individuals) Juvenile cod (G*adus sp.*) (U – 1 individual) Rock crab (*Cancer sp.*) (U – 2 individuals)	Crustose algae *(Lithothamnium sp.)* (80%) Sea colander (*Agarum cribrosum*) (50%) Red fern (*Ptilota sp.*) (20%) Coralline algae (5%) Edible kelp (*Alaria sp.*) (5%) Sour weed (*Desmarestia sp.*) (2%) **Note:** Algal cover reduced visibility

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
309.50-372.60	5	19	12:20-14:51	Cobble (30%) Rubble (30%) Small boulder (20%) Gravel (10%) Sand (10%)	Starfish (*Asterias sp.*) (O – 7 individuals)	Crustose algae *(Lithothamnium sp.)* (70%) Sea colander (*Agarum cribrosum*) (30%) Red fern (*Ptilota sp.*) (25%) Coralline algae (10%) **Note:** Algal cover reduced visibility
372.60-695.50	6	19	14:51-27:43	Gravel (60%) Sand (20%) Cobble (15%) Rubble (5%)	Starfish (*Asterias sp.*) (O – 18 individuals) Sea cucumber (*Cucumaria frondosa)* (U – 1 individual) Toad crab (*Hyas sp.*) (U – 1 individual) Rock crab (*Cancer sp.*) (O – 6 individuals) Blue mussels (*Mytilus edulis*) (U – 1 individual) Sculpin (*Myoxocephalus sp.)* (U – 1 individual)	Crustose algae *(Lithothamnium sp.)* (70%) Sea colander (*Agarum cribrosum*) (30%) Red fern (*Ptilota sp.*) (25%) Kelp (*Laminaria sp.*) Sour weed (*Desmarestia sp.*) (2%) **Note:** Unknown grey which is usually associated with *Agarum cribrosum*. There is also evidence of bacterial contamination.

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-187.80	1	13	0:00-4:50	Rubble (30%) Cobble (30%) Gravel (20%) Sand (15%) Shell (5%)	Starfish (*Asterias sp.*) (O – 7 individuals)	Crustose algae *(Lithothamnium sp.)* (75%) Kelp (*Laminaria sp.*) (35%) Sour weed (*Desmarestia sp.*) (5%) Sea colander (*Agarum cribrosum*) (1%) **Note:** Small patches of sand approximately 2-5 seconds in duration.
187.80-711.60	2	20	4:50-18:19	Gravel (40%) Sand (35%) Cobble (15%) Rubble (10%)	Starfish (*Asterias sp.*) (O – 14 individuals) Rock crab (*Cancer sp.*) (U - 2 individuals)	Crustose algae *(Lithothamnium sp.)* (30%) Kelp (*Laminaria sp.*) (20%) Sour weed (*Desmarestia sp.*) (12%) Sea colander (*Agarum cribrosum*) (5%) **Storm toss:** Sea colander (*Agarum cribrosum*) (2%) Kelp (*Laminaria sp.*) (2%) Red fern (*Ptilota sp.*) (1%)
711.60-901.90	3	18	18:19-23:13	Cobble (40%) Gravel (30%) Sand (20%) Rubble (5%) Small boulder (5%)	Starfish (*Asterias sp.*) (O – 9 individuals)	Crustose algae *(Lithothamnium sp.)* (80%) Red fern (*Ptilota sp.*) (15%) Sea colander (*Agarum cribrosum*) (10%) Kelp (*Laminaria sp.*) (10%) Coralline algae (5%)
901.90-1085.20	4	17	23:13-27:56	Bedrock (80%) Cobble (5%) Small boulder (5%) Gravel (5%) Sand (5%)	Bryozoans (O) Starfish (*Asterias sp.*) (U – 6 individuals) Sculpin (*Myoxocephalus sp.*) (U – 1 individual)	Crustose algae *(Lithothamnium sp.)* (70%) Sea colander (*Agarum cribrosum*) (40%) Red fern (*Ptilota sp.*) (10%) **Storm toss:**

Station 152 to 149 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
						Sea colander (*Agarum cribrosum*) (5%) Red fern (*Ptilota sp.*) (2%)
1085.20-1282.00	5	19	27:56-33:00	Bedrock (65%) Cobble (10%) Gravel (10%) Rubble (5%) Small boulder (5%) Sand (5%)	Starfish (*Asterias sp.*) (U – 6 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Toad crab (*Hyas sp.*) (U – 1 individual)	Crustose algae *(Lithothamnium sp.)* (70%) Sea colander (*Agarum cribrosum*) (50%) Red fern (*Ptilota sp.*) (10%) **Storm toss:** Sea colander (*Agarum cribrosum*) (2%) Red fern (*Ptilota sp.*) (1%)
1282.00-1452.90	6	23	33:00-37:24	Gravel (50%) Cobble (30%) Sand (10%) Rubble (5%) Small boulder (5%)	Starfish (*Asterias sp.*) (O – 5 individuals) Starfish (*Crossaster sp.*) (U – 1 individual)	Crustose algae *(Lithothamnium sp.)* (70%) Sea colander (*Agarum cribrosum*) (40%) Red fern (*Ptilota sp.*) (10%) Sour weed (*Desmarestia sp.*) (5%) **Storm toss:** Sea colander (*Agarum cribrosum*) (2%) Red fern (*Ptilota sp.*) (1%)
1452.90-1487.90	7	24	37:24-38:18	Bedrock (60%) Gravel (15%) Cobble (10%) Rubble (10%) Small boulder (5%)	Starfish (*Asterias sp.*) (O – 4 individuals) Rock crab (*Cancer sp.*) (U - 1 individual)	Sea colander (*Agarum cribrosum*) (35%) Red fern (*Ptilota sp.*) (15%)
1487.90-1895.80	8	27	38:18-48:48	Gravel (40%) Cobble (20%) Rubble (15%) Sand (10%) Bedrock (10%) Small boulder (5%)	Bryozoans (U - 1 individual) Starfish (*Asterias sp.*) (C – 14 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Blue mussels (*Mytilus edulis*) (U - 2 individuals)	Crustose algae *(Lithothamnium sp.)* (50%) Sea colander (*Agarum cribrosum*) (20%) Red fern (*Ptilota sp.*) (10%) **Storm toss:** Sea colander (*Agarum cribrosum*) (2%)

Station 152 to 149 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
						Red fern (*Ptilota sp.*) (1%)

Station 155 to 159 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-401.40	1	29	0:00-13:23	Cobble (50%) Gravel (20%) Rubble (15%) Small boulder (10%) Sand (5%)	Sea anemone (*Metridium sp.*) (A) Soft coral (*Gersemia sp*.) (C - too many individuals to count) Starfish (*Asterias sp.*) (U – 6 individuals) Starfish (*Crossaster sp.*) (C – 24 individuals) Starfish (*Solaster sp.*) (U – 2 individuals) Green urchin (*Strongylocentrotus droebachiensis*) (C) Sea cucumber (*Cucumaria frondosa*) (U – 3 individuals) Toad crab (*Hyas sp.*) (U – 3 individuals)	Crustose algae (non *Lithothamnium sp.*) (70%) Coralline algae (10%) Storm toss: Kelp (*Laminaria sp.*) (1%)
401.40-598.50	2	50	13:23-19:57	Cobble (65%) Gravel (15%) Rubble (10%) Sand (5%) Small boulder (5%)	Sea anemone (*Metridium sp.*) (O) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp*.) (C – 1 individual) Starfish (*Asterias sp.*) (O – 9 individuals) Starfish (*Crossaster sp.*) (O – 12 individuals) Green urchin (*Strongylocentrotus droebachiensis*) (O) (mixed) Sea cucumber (*Cucumaria frondosa*) (U – 3 individuals) Snow crab (*Chionoecetes opilio*) (U – 1 individual)	Crustose algae (non *Lithothamnium sp.*) (50%) Coralline algae (10%) **Storm toss:** Kelp (*Laminaria sp.*) (1%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
598.50-1260.60	3	65	19:57-42:01	Cobble (45%) Rubble (20%) Gravel (20%) Shell (10%) Sand (5%)	Anemone (O) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp*.) (O – too many individuals to count) Starfish (*Asterias sp.*) (O – 39 individuals) Starfish (*Crossaster sp.*) (O – 35 individuals) Starfish (*Solaster sp.*) (U – 3 individuals) Brittle star (Ophiuroidea) (C) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (U – 6 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O) Sea cucumber (*Cucumaria frondosa*) (U – 4 individuals) Toad crab (*Hyas sp.*) (U – 6 individuals) Fan worm (*Sabella sp.*) (U – 1 individual) Whelk (*Buccinium sp.*) (U – 1 individual) Sculpin (*Myoxocephalus sp.))* (U – 1 individual)	Crustose algae (non *Lithothamnium sp.*) (20%) Coralline algae (5%)
1260.6-1530.0	4	73	42:01-51:00	Shell (40%) Rubble (25%) Cobble (10%) Small boulder (10%) Large boulder (10%) Gravel (5%)	Anemone (O – 40 individuals) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp*.) (O) Starfish (*Asterias sp.*) (U – 6 individuals) Starfish (*Crossaster sp.*) (U – 5 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (O) Sea cucumber (*Cucumaria frondosa*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 2 individuals)	Crustose algae (non *Lithothamnium sp.*) (15%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
1530.0-1848.0	5	82	51:00-1:01:36	Shell (35%) Cobble (35%) Gravel (20%) Rubble (5%) Sand (5%)	Anemone (O) Hydroids (O) Soft coral (*Gersemia sp*.) (U – 3 individuals) Starfish (*Asterias sp.*) (U – 7 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Starfish (*Solaster sp.*) (U – 4 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U – 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 4 individuals) Sea cucumber (*Cucumaria frondosa*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 2 individuals)	No flora observed **Debris:** Steel cable 53:14
1848.0-2325.6	6	90	1:01:36-1:17:31	Gravel (40%) Shell (40%) Cobble (20%)	Anemone (O) Hydroids (O) Soft coral (*Gersemia sp*.) (U – 5 individuals) Starfish (*Asterias sp.*) (O – 10 individuals) Starfish (*Crossaster sp.*) (O – 12 individuals) Starfish (*Solaster sp.*) (U – 4 individuals) Barnacle (*Balanus sp.*) (U) Icelandic scallop (*Chlamys islandica*) (U – 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 24 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O) Sea cucumber (*Cucumaria frondosa*) (U – 3 individuals) Toad crab (*Hyas sp.*) (U – 3 individuals) Ascidiacea (U – 2 individuals) Alligatorfish (*Aspidophoroides monopterygius*) (U – 1 individual) Juvenile cod (G*adus sp.*) (U – 1 individual)	Coralline algae (5%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
2325.6-2551.2	7	94	1:17:31-1:25:02	Shell (55%) Cobble (25%) Gravel (20%)	Anemone (O) Hydroids (O) Soft coral (*Gersemia sp*.) (U – 4 individuals) Starfish (*Asterias sp.*) (U – 4 individuals) Starfish (*Crossaster sp.*) (U – 6 individuals) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U – 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 12 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O) Sea cucumber (*Cucumaria frondosa*) (U – 2 individuals) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 2 individuals)	No flora observed
2551.2-2700.3	8	94	1:25:02-1:30:00	Shell (90%) Gravel (5%) Cobble (5%)	Soft coral (*Gersemia sp*.) (U – 3 individuals) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 1 individuals) Starfish (*Solaster sp.*) (U – 1 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U)	No flora observed
2700.3-2757.9	9	94	1:30:00-1:31:55	Shell (40%) Gravel (25%) Cobble (20%) Rubble (10%) Small boulder (5%)	Hydroids (O) Soft coral (*Gersemia sp*.) (O – 10 individuals) Starfish (*Asterias sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (U) Deep sea scallop (*Placopecten magellanicus*) (U – 1 individual) Sea cucumber (*Cucumaria frondosa*) (U – 2 individuals) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed
2757.9-2836.5	10	97	1:31:55-1:34:32	Shell (90%) Gravel (5%) Cobble (5%)	Anemone (U) Soft coral (*Gersemia sp*.) (U – 1 individual) Starfish (*Asterias sp.*) (U – 1 individual) Starfish (*Crossaster sp.*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
2836.5-2971.5	11	99	1:34:32-1:39:02	Rubble (35%) Cobble (25%) Shell (20%) Gravel (10%) Small boulder (5%) Large boulder (5%)	Hydroids (O) Soft coral (*Gersemia sp*.) (U – 10 individuals) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Barnacle (*Balanus sp*.) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp*.) (U – 2 individuals)	Coralline algae (5%)
2971.5-3401.4	12	104	1:39:02-1:53:24	Shell (70%) Cobble (10%) Gravel (5%) Rubble (5%) Small boulder (5%) Large boulder (5%)	Anemone (U) Hydroids (O) Soft coral (*Gersemia sp*.) (O – 36 individuals) Starfish (*Asterias sp.*) (U – 4 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp*.) (U – 4 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 4 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 11 individuals) Juvenile cod (G*adus sp.*) (U – 1 individual)	**Storm toss:** Sea colander (*Agarum cribrosum*) (1%) **Debris:** Steel cable 1:47:11
3401.4-3517.5	13	110	1:53:24-1:57:16	Cobble (25%) Rubble (20%) Large boulder (20%) Shell (15%) Small boulder (15%) Gravel (5%)	Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp*.) (U – 1 individual) Starfish (*Asterias sp.*) (O – 7 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp*.) (U – 4 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 3 individuals)	**Storm toss:** Sea colander (*Agarum cribrosum*) (1%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
3517.5-3601.5	14	120	1:57:16-2:00:04	Shell (50%) Rubble (20%) Cobble (10%) Small boulder (10%) Gravel (5%) Large boulder (5%)	Anemone (O) Hydroids (U) Soft coral (*Gersemia sp*.) (U – 1 individual) Starfish (*Asterias sp.*) (O – 5 individuals) Barnacle (*Balanus sp*.) (O) Icelandic scallop (*Chlamys islandica*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 3 individuals)	No fauna observed

Station 160 to 161 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-154.18	1	113	0:00-4:38	Cobble (30%) Rubble (25%) Shell (20%) Gravel (15%) Small boulder (5%) Large boulder (5%)	Anemone (U) Hydroids (C) Soft coral (*Gersemia sp*.) (U – 2 individuals) Starfish (*Asterias sp.*) (O – 5 individuals) Starfish (*Crossaster sp.*) (O – 5 individuals) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 10 individuals)	No flora observed **Debris:** Steel cable first few meters of reach
154.18-525.48	2	113	4:38-15:47	Shell (35%) Cobble (30%) Rubble (15%) Gravel (10%) Large boulder (5%) Small boulder (5%)	Anemone (O) Hydroids (U) Starfish (*Asterias sp.*) (O – 9 individuals) Starfish (*Crossaster sp.*) (U – 5 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp*.) (U – 2 individuals) Sea squirt (Ascidiacea) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed
525.48-578.10	3	113	15:47-17:22	Cobble (30%) Rubble (30%) Small boulder (15%) Gravel (10%) Shell (10%) Large boulder (5%)	Hydroids (O) Starfish (*Asterias sp.*) (U – 1 individual) Starfish (*Crossaster sp.*) (U – 3 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 2 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U – 2 individuals) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed

Station 160 to 161 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
578.10-1031.98	4	115	17:22-31:00	Shell (40%) Rubble (25%) Cobble (10%) Small boulder (10%) Large boulder (10%) Gravel (5%)	Anemone (O – 40 individuals) Hydroids (O) Bryozoa (U) Starfish (*Asterias sp.*) (O – 14 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp*.) (U – 3 individuals) Icelandic scallop (*Chlamys islandica*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U – 1 individual) Snow crab (*Chionoecetes opilio*) (U – 2 individuals) Toad crab (*Hyas sp.*) (U – 3 individuals)	No flora observed **Note:** Camera high, difficult to quantify
1031.98-1284.39	5	117	31:00-37:35	Shell (50%) Cobble (20%) Gravel (15%) Rubble (10%) Small boulder (5%)	Hydroids (U) Soft coral (*Gersemia sp*.) (O) Starfish (*Asterias sp.*) (U – 5 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Barnacle (*Balanus sp.*) (U) Icelandic scallop (*Chlamys islandica*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U)	No flora observed **Debris:** Steel cable observed 37:22 **Note:** Camera too high, difficult to quantify
1284.39-1493.51	6	115	37:35-43:52	Cobble (30%) Shell (25%) Rubble (20%) Gravel (10%) Small boulder (10%) Sand (5%)	Soft coral (*Gersemia sp*.) (C) Starfish (*Asterias sp.*) (U – 6 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 4 individuals)	No flora observed **Note:** Video quality poor, camera too high, low battery

TG162 to 161 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-410.70	1	104	0:00-10:05	Cobble (30%) Rubble (20%) Gravel (20%) Shell (15%) Mud/silt (5%) Large boulder (5%) Small boulder (5%)	Anemone (O) Hydroids (O) Bryozoa (C) Soft coral (*Gersemia sp*.) (A) Starfish (*Asterias sp.*) (U – 7 individuals) Starfish (*Crossaster sp.*) (U – 6 individuals) Barnacle (*Balanus sp.*) (C) Sponge (*Porifera sp.*) (U – 3 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 2 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed **Note:** Camera too high, low quantification
410.70-465.60	2	112	10:05-11:26	Cobble (30%) Shell (20%) Small boulder (15%) Gravel (15%) Rubble (10%) Large boulder (10%)	Anemone (U) Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp*.) (C) Starfish (*Asterias sp.*) (O – 3 individuals) Sponge (*Porifera sp.*) (U – 5 individuals) Pale urchin (*Strongylocentrotus pallidus*) (C)	**Storm toss:** Sea colander (*Agarum cribrosum*) (2%)
465.60-669.30	3	112	11:26-16:26	Gravel (45%) Cobble (20%) Shell (20%) Rubble (10%) Small boulder (5%)	Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp*.) (C) Starfish (*Asterias sp.*) (O – 4 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp*.) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (C) Sea cucumber (*Cucumaria frondosa*) (U – 1 individual) Snow crab (*Chionoecetes opilio*) (U) Toad crab (*Hyas sp.*) (U – 2 individuals)	**Storm toss:** Sea colander (*Agarum cribrosum*) (2%) **Note:** Camera too high, low quantification

TG162 to 161 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
669.30-726.30	4	111	16:26-17:50	Shell (70%) Cobble (10%) Gravel (10%) Small boulder (5%) Large boulder (5%)	Anemone (U – 1 individual) Hydroids (U) Starfish (*Asterias sp.*) (U – 2 individuals) Barnacle (*Balanus sp.*) (U)	No flora observed **Note:** Camera too high, low quantification

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-252.66	1	90	0:00-8:55	Shell (89%) Gravel (5%) Mud/silt (5%) Small boulder (1%)	Anemone (U – 2 individuals) Hydroids (U) Starfish (*Asterias sp*.) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 10 individuals) Toad crab (*Hyas sp*.) (U – 2 individuals)	No flora observed
252.66-286.08	2	98	8:55-10:06	Shell (85%) Gravel (10%) Mud/silt (5%)	Anemone (O – 14 individuals) Soft coral (*Gersemia sp*.) (U – 4 individuals) Starfish (*Asterias sp*.) (U – 1 individual) Starfish (*Crossaster sp*.) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U – 6 individuals)	No flora observed
286.08-315.26	3	98	10:06-11:08	Shell (75%) Cobble (10%) Gravel (10%) Mud/silt (5%)	Hydroids (O) Soft coral (*Gersemia sp*.) (C – 35 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U – 1 individual) Toad crab (*Hyas sp*.) (U – 1 individual)	No flora observed
315.26-397.40	4	100	11:08-14:02	Shell (30%) Cobble (25%) Gravel (20%) Rubble (10%) Mud/silt (5%) Sand (5%) Small boulder (5%)	Anemone (O) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp*.) (C) Starfish (*Asterias sp*.) (U) Starfish (*Crossaster sp*.) (U – 7 individuals) Barnacle (*Balanus sp.*) (U) Icelandic scallop (*Chlamys islandica*) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 28 individuals) Alligatorfish (*Aspidophoroides monopterygius*) (U – 1 individual)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-87.33	1	70	0:00-3:00	Large boulder (30%) Rubble (30%) Small boulder (20%) Cobble (10%) Gravel (5%) Shell (5%)	Anemone (C) Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (A) Starfish (*Asterias sp.*) (U – 3 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Sponge (*Porifera sp.*) (A – 114 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 5 individuals) Sea squirt (Ascidiacea) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 3 individuals)	No flora observed
87.33-156.61	2	75	3:00-5:23	Rubble (30%) Cobble (20%) Small boulder (20%) Gravel (15%) Shell (10%) Large boulder (5%)	Anemone (C) Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U – 3 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Sponge (*Porifera sp.*) (A – 42 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 1 individual)	No flora observed
156.61-195.61	3	77	5:23-6:43	Shell (80%) Gravel (5%) Cobble (5%) Rubble (5%) Small boulder (5%)	Anemone (U – 1 individual) Hydroids (U) Starfish (*Asterias sp.*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U – 1 individual)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
195.61-352.51	4	73	6:43-12:39	Rubble (30%) Small boulder (20%) Shell (15%) Cobble (10%) Gravel (10%) Large boulder (10%) Mud/silt (5%)	Anemone (C) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (A) Starfish (*Asterias sp.*) (O – 14 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Basket star (*Gorgonocephalus sp.*) (U – 5 individuals) Sponge (*Porifera sp.*) (A – 83 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 5 individuals) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 3 individuals) Sea squirt (Ascidiacea) (U – 1 individual)	No flora observed
352.51-403.16	5	66	12:39-13:51	Shell (70%) Gravel (15%) Cobble (10%) Rubble (5%)	Anemone (O) Hydroids (C) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Sponge (*Porifera sp.*) (U – 2 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U – 3 individuals)	No flora observed
403.16-467.20	6	64	13:51-16:03	Rubble (35%) Cobble (20%) Shell (20%) Gravel (10%) Small boulder (10%) Mud/silt (5%)	Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (O – 10 individuals) Starfish (*Asterias sp.*) (U – 4 individuals) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Barnacle (*Balanus sp*.) (U) Pale urchin (*Strongylocentrotus pallidus*) (U – 4 individuals)	Crustose algae *(Lithothamnium sp.)* 10% **Storm toss:** Sea colander (*Agarum cribrosum*) (1%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-340.23	1	60	0:00-12:30	Small boulder (40%) Rubble (10%) Cobble (10%) Gravel (10%) Large boulder (10%) Shell (10%) Bedrock (5%) Mud/silt (5%)	Anemone (C) Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (C – 31 individuals) Starfish (*Crossaster sp.*) (O – 13 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (O) Stalked sea squirt (*Boltenia sp.)* (U – 10 individuals) Sea squirt (Ascidiacea) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (O – 15 individuals) Toad crab (*Hyas sp.*) (O – 12 individuals) Sculpin (*Myoxocephalus sp*) (U – 1 individual)	Crustose algae *(Lithothamnium sp.)* (20%)
340.23-418.35	2	66	12:30-15:22	Rubble (40%) Cobble (20%) Gravel (15%) Shell (15%) Mud/silt (5%) Small boulder (5%)	Anemone (C) Hydroids (A) Bryozoa (C) Starfish (*Asterias sp.*) (O – 14 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (U – 3 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 4 individuals) Toad crab (*Hyas sp.*) (U – 2 individuals)	No flora observed
418.35-428.42	3	66	15:22-15:44	Shell (40%) Cobble (20%) Gravel (20%) Rubble (10%) Mud/silt (5%) Small boulder (5%)	Anemone (O) Hydroids (O) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (O – 3 individuals) Starfish (*Crossaster sp.*) (U – 1 individual)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
					Pale urchin (*Strongylocentrotus pallidus*) (U – 3 individuals)	
428.42-637.45	4	63	15:44-23:25	Rubble (30%) Shell (30%) Cobble (15%) Small boulder (15%) Gravel (5%) Mud/silt (5%)	Anemone (C) Hydroids (C) Bryozoa (C) Soft coral (*Gersemia sp.*) (U – 3 individuals) Starfish (*Asterias sp.*) (C – 23 individuals) Tunicate (Porifera *sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (O – 9 individuals) Sea squirt (Ascidiacea) (U - 4 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U – 9 individuals) Toad crab (*Hyas sp.*) (U - 4 individuals)	Crustose algae *(Lithothamnium sp.)* (15%)
637.45-691.89	5	63	23:25-25:25	Gravel (40%) Cobble (20%) Rubble (20%) Shell (10%) Mud/silt (5%) Small boulder (5%)	Anemone (A) Hydroids (A) Bryozoa (O) Starfish (*Asterias sp.*) (O – 10 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Sponge (*Porifera sp.*) (O – 9 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 9 individuals) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed
691.89-787.16	6	76	25:25-28:55	Bedrock (30%) Large boulder (20%) Small boulder (20%) Gravel (10%) Shell (10%) Cobble (5%) Rubble (5%)	Anemone (C) Hydroids (A) Bryozoa (C) Starfish (*Asterias sp.*) (U – 5 individuals) Starfish (*Crossaster sp.*) (U – 5 individuals) Sponge (*Porifera sp.*) (O – 6 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 4 individuals)	*Crustose algae (Lithothamnium sp.)* (10%)

Station 165 to 164 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
					Pale urchin (*Strongylocentrotus pallidus*) (U – 2 individuals)	
787.16-865.00	7	80	28:55-31:47	Shell (80%) Gravel (10%) Cobble (5%) Mud/silt (5%)	Anemone (U – 1 individual) Hydroids (U) Starfish (*Asterias sp.*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U – 2 individuals)	No flora observed

TG166 to 165 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-85.20	1	75	0:00-2:38	Shell (40%) Rubble (20%) Cobble (10%) Gravel (10%) Small boulder (10%) Large boulder (5%) Bedrock (5%)	Anemone (O) Hydroids (U) Bryozoa (U) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Barnacle (*Balanus sp.*) (U) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed **Note:** Camera too high, low quantification
85.20-221.10	2	68	2:38-6:50	Rubble (30%) Cobble (20%) Shell (20%) Gravel (10%) Small boulder (10%) Large boulder (5%) Bedrock (5%)	Anemone (O) Hydroids (C) (bb) Bryozoa (U) Soft coral (*Gersemia sp*.) (O) Starfish (*Asterias sp.*) (O – 5 individuals) Starfish (*Crossaster sp.*) (O – 4 individuals) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (O – 3 individuals) Stalked sea squirt (*Boltenia sp*.) (O – 3 individuals) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O – 3 individuals)	No flora observed
221.10-442.30	3	67	6:50-13:40	Shell (35%) Bedrock (25%) Cobble (15%) Gravel (10%) Rubble (10%) Small boulder (5%)	Anemone (O) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp*.) (O) Starfish (*Asterias sp.*) (U – 7 individuals) Starfish (*Crossaster sp.*) (U – 6 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 6 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed

TG166 to 165 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
442.30-624.60	4	65	13:40-19:18	Rubble (35%) Shell (20%) Cobble (20%) Bedrock (10%) Gravel (10%) Small boulder (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (U – 6 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 2 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 2 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (U – 2 individuals)	No flora observed **Note:** Camera too high, low quantification **Debris:** Steel cable (16:11)

Station 166 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-367.5	1	85	0:00-12:18	Shell (70%) Gravel (20%) Mud/silt (5%) Sand (5%)	Starfish (*Asterias sp.*) (U – 1 individual) Starfish (*Crossaster sp.*) (U – 1 individual) Starfish (*Solaster sp.*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus)* (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U) Alligatorfish (*Aspidophoroides monopterygius*) (U – 1 individual)	No flora observed
367.50-461.02	2	79	12:18-15:26	Bedrock (35%) Large boulder (30%) Shell (10%) Rubble (10%) Small boulder (10%) Cobble (5%)	Anemone (C) Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U – 4 individuals) Sponge (*Porifera sp.*) (O – 10 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed
461.02-502.85	3	79	15:26-16:50	Shell (70%) Gravel (15%) Cobble (5%) Mud/silt (5%) Small boulder (5%)	Soft coral (*Gersemia sp.*) (U – 3 individuals) Starfish (*Crossaster sp*.) (U – 1 individual) Alligatorfish (*Aspidophoroides monopterygius*) (U – 1 individual)	No flora observed
502.85-529.44	4	79	16:50-17:43	Bedrock (40%) Large boulder (20%) Gravel (10%) Shell (10%) Small boulder (10%) Cobble (5%) Rubble (5%)	Anemone (C) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp.*) (A) Starfish (*Crossaster sp.*) (U – 2 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U)	No flora observed
529.44-539.90	5	78	17:43-18:04	Shell (90%) Large boulder (5%) Small boulder (5%)	No fauna observed	No flora observed

Station 167 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-97.00	1	80	0:00-3:47	Gravel (40%) Shell (30%) Cobble (20%) Mud/silt (5%) Sand (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U) Starfish (*Solaster sp.*) (U) Barnacle (*Balanus sp.*) (O) Sea squirt (Ascidiacea) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 2 individuals)	No flora observed
97.00-243.77	2	81	3:47-9:30	Shell (30%) Cobble (20%) Gravel (20%) Rubble (10%) Small boulder (10%) Mud/silt (5%) Sand (5%)	Anemone (O) Hydroids (C) Soft coral (*Gersemia sp.*) (U – 4 individuals) Starfish (*Asterias sp.*) (U – 5 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (O) Sea squirt (Ascidiacea) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (O) Sea cucumber (*Cucumaria frondosa*) (U – 3 individuals) Toad crab (*Hyas sp.*) (U – 3 individuals)	No flora observed
243.77-515.00	3	84	9:30-20:04	Shell (70%) Gravel (20%) Mud/silt (5%) Sand (5%)	Starfish (*Asterias sp.*) (U – 3 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 1 individual) Alligatorfish (*Aspidophoroides monopterygius*) (U – 1 individual)	No flora observed

Station 168 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-77.86	1	78	0:00-2:40	Shell (90%) Gravel (5%) Mud/silt (5%)	Starfish (*Asterias* sp.) (U – 1 individual) Barnacle (*Balanus sp.*) (U)	No flora observed
77.86-90.99	2	76	2:40-3:07	Shell (45%) Large boulder (20%) Small boulder (20%) Gravel (10%) Bedrock (5%)	Hydroids (U) Barnacle (*Balanus sp.*) (U)	No flora observed
90.99-169.14	3	76	3:07-5:48	Shell (50%) Large boulder (30%) Small boulder (10%) Bedrock (5%) Gravel (5%)	Anemone (U) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Starfish (*Solaster sp.*) (U – 1 individual) Barnacle (*Balanus sp*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) Alligatorfish (*Aspidophoroides monopterygius*) (U – 1 individual)	No flora observed
169.44-266.84	4	81	5:48-9:09	Shell (90%) Small boulder (10%)	Starfish (*Asterias sp.*) (U – 2 individuals) Barnacle (*Balanus sp*) (O) Deep sea scallop (*Placopecten magellanicus*) (U) Alligatorfish (*Aspidophoroides monopterygius*) (U – 3 individuals)	No flora observed
266.84-499.26	5	89	9:09-17:07	Shell (50%) Gravel (30%) Large boulder (10%) Small boulder (10%)	Anemone (U) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp.*) (U – 2 individuals) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (O) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U) Alligatorfish (*Aspidophoroides monopterygius*) (U – 2 individuals)	No flora observed

Station 168 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
499.26-585.00	6	89	17:07-20:04	Shell (90%) Gravel (10%)	Barnacle (*Balanus sp*) (U – 2 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 2 individuals) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed

Station 169 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-188.83	1	103	0:00-9:27	Cobble (35%) Gravel (25%) Shell (20%) Rubble (10%) Mud/silt (5%) Small boulder (5%)	Anemone (O) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U) Barnacle (*Balanus sp.*) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Sand dollar (*Echinarachnius parma*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U) Snow crab (*Chionoecetes opilio*) (U) Fish (unidentified) (U – 2 individuals) Alligatorfish (*Aspidophoroides monopterygius*) (U – 1 individual)	No flora observed
188.83-248.37	2	102	9:27-12:26	Small boulder (30%) Rubble (20%) Large boulder (15%) Cobble (10%) Gravel (10%) Shell (10%) Mud/silt (5%)	Anemone (O) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 6 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (C) Stalked sea squirt (*Boltenia sp.*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 2 individuals)	Coralline algae (5%) **Storm toss:** Sea colander (*Agarum cribrosum*) (1%)

Station 169 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
248.37-364.07	3	103	12:26-18:13	Shell (35%) Cobble (20%) Gravel (20%) Rubble (15%) Mud/silt (5%) Small boulder (5%)	Anemone (O) Hydroids (O) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U – 4 individuals) Starfish (*Crossaster sp.*) (U – 7 individuals) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 5 individuals)	No flora observed
364.07-379.66	4	103	18:13-19:00	Shell (60%) Gravel (20%) Cobble (10%) Mud/silt (5%) Rubble (5%)	Anemone (O) Hydroids (U) Starfish (*Asterias sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U)	No flora observed
379.66-441.20	5	103	19:00-22:04	Shell (90%) Cobble (5%) Mud/silt (5%)	Anemone (U) Hydroids (U) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed

Station 171 to 170 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-421.14	1	112	0:00-16:30	Gravel (50%) Shell (25%) Cobble (10%) Rubble (5%) Sand (5%) Mud/silt (4%) Large boulder (1%)	Anemone (U) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (O) Brittle star (Ophiuroidea) (U) Sponge *(Porifera sp.)* (U) Stalked sea squirt (*Boltenia sp.*) (U) Sea squirt (Ascidiacea) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U) Snow crab (*Chionoecetes opilio*) (U) Alligatorfish (*Aspidophoroides monopterygius*) (U – 2 individuals)	No flora observed
421.14-472.19	2	113	16:30-18:30	Small boulder (30%) Shell (20%) Large boulder (15%) Gravel (10%) Rubble (10%) Cobble (5%) Mud/silt (5%) Sand (5%)	Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (U) Starfish (*Crossaster sp.*) (O) Brittle star (Ophiuroidea) (U) Basket star (*Gorgonocephalus sp.*) (U) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (U) Icelandic scallop (*Chlamys islandica*) (O) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O) Snow crab (*Chionoecetes opilio*) (U)	No flora observed

Station 171 to 170 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
472.19-778.73	3	114	18:30-30:31	Gravel (35%) Shell (25%) Cobble (20%) Rubble (10%) Mud/silt (5%) Sand (3%) Small boulder (2%)	Anemone (U – 3 individuals) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U – 1 individual) Starfish (*Crossaster sp.*) (O) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (O) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U)	**Storm toss:** Sea colander (*Agarum cribrosum*) (1%)
778.73-804.77	4	113	30:31-31:32	Small boulder (30%) Gravel (15%) Large boulder (15%) Cobble (10%) Rubble (10%) Shell (10%) Mud/silt (5%) Sand (5%)	Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Basket star (*Gorgonocephalus sp.*) (U – 1 individual) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (O) Sea squirt (Ascidiacea) (U) Pale urchin (*Strongylocentrotus pallidus*) (U)	No flora observed

Station 171 to 170 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
804.77-1006.91	5	108	31:32-39:27	Shell (35%) Cobble (20%) Gravel (20%) Rubble (10%) Mud/silt (5%) Sand (5%) Small boulder (5%)	Anemone (U) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Crossaster sp.*) (O) Starfish (*Solaster sp.*) (U – 3 individuals) Brittle star (Ophiuroidea) (C) Basket star *Gorgonocephalus sp.*) (U) Barnacle (*Balanus sp.*) (U) Sponge *(Porifera sp.)* (U) Stalked sea squirt (*Boltenia sp.*) (U) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (O) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U – 2 individuals) Snow crab (*Chionoecetes opilio*) (U – 2 individuals)	No flora observed
1006.91-1072.00	6	102	39:27-42:00	Small boulder (35%) Large boulder (20%) Rubble (15%) Shell (10%) Gravel (5%) Cobble (5%) Mud/silt (5%) Sand (5%)	Hydroids (A) Bryozoa (O) Soft coral (O) Starfish (*Crossaster sp.*) (O) Brittle star (Ophiuroidea) (C) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (O) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed

TG171 to 172 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-130.70	1	111	0:00-5:38	Cobble (35%) Gravel (25%) Rubble (10%) Small boulder (10%) Shell (10%) Large boulder (5%) Mud/silt (5%)	Hydroids (C) Bryozoa (U) Starfish (*Crossaster sp.*) (O – 10 individuals) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (C – 25 individuals) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 2 individuals)	No flora observed **Note:** Camera high off bottom, quantification low
130.70-163.60	2	110	5:38-7:03	Small boulder (50%) Large boulder (20%) Rubble (10%) Shell (10%) Cobble (5%) Gravel (5%)	Hydroids (A) Bryozoa (U) Starfish (*Crossaster sp.*) (O – 2 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (O – 3 individuals) Stalked sea squirt (*Boltenia sp.*) (C – 27 individuals) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed
163.60-282.70	3	111	7:03-12:11	Rubble (45%) Gravel (20%) Shell (10%) Cobble (10%) Small boulder (10%) Large boulder (5%)	Anemone (U) Hydroids (C) Bryozoa (U) Starfish (*Crossaster sp.*) (U – 3 individuals) Basket star (*Gorgonocephalus sp.*) (U - 1 individual) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (O – 8 individuals) Stalked sea squirt (*Boltenia sp.*) (A – 60 individuals) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 3 individuals)	**Storm toss:** Sea colander (*Agarum cribrosum*) (1%)

TG171 to 172 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
282.70-609.00	4	114	12:11-16:15	Rubble (30%) Cobble (20%) Small boulder (15%) Gravel (15%) Shell (10%) Large boulder (10%)	Anemone (U) Hydroids (A) Bryozoa (U) Starfish (*Asterias sp.*) (U – 1 individual) Starfish (*Crossaster sp.*) (O – 4 individuals) Basket star (*Gorgonocephalus sp.*) (U - 1 individual) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp*.) (C – 27 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O – 3 individuals)	No flora observed
609.90-1180.20	5	112	16:15-40:52	Cobble (35%) Gravel (20%) Rubble (20%) Shell (20%) Mud/silt (5%)	Anemone (O) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Crossaster sp.*) (O – 15 individuals) Starfish (*Solaster sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (U - 1 individual) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp*.) (O – 27 individuals) Deep sea scallop (*Placopecten magellanicus*) (C) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O – 12 individuals)	**Storm toss:** Sea colander (*Agarum cribrosum*) (1%)

TG171 to 172 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
1180.20-1260.60	6	110	40:52-44:20	Shell (35%) Gravel (25%) Cobble (20%) Rubble (10%) Mud/silt (5%) Small boulder (3%) Large boulder (2%)	Anemone (U) Hydroids (A) Bryozoa (U) Starfish (*Asterias sp.*) (U – 1 individual) Basket star (*Gorgonocephalus sp.*) (U - 1 individual) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (O – 5 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 1 individual)	**Storm toss:** Sea colander (*Agarum cribrosum*) (1%)
1260.60-1366.60	7	112	44:20-48:54	Small boulder (40%) Large boulder (20%) Rubble (15%) Shell (10%) Gravel (10%) Cobble (5%)	Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U – 1 individual) Basket star (*Gorgonocephalus sp.*) (O - 13 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (C – 93 individuals) Deep sea scallop (*Placopecten magellanicus*) (U)	No flora observed
1366.60-1531.30	8	112	48:54-56:00	Cobble (40%) Gravel (20%) Shell (20%) Rubble (10%) Mud/silt (5%) Small boulder (5%)	Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp.*) (O) Starfish (*Crossaster sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (C) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (C – 24 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 2 individuals) Toad crab (*Hyas sp.*) (O – 6 individuals)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-143.67	1	100	0:00-2:50	Cobble (40%) Shell (20%) Gravel (15%) Rubble (10%) Mud/silt (10%) Sand (5%)	Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U – 3 individuals) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (O) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U – 1 individual) Sea cucumber (*Cucumaria frondosa*) (U) Snow crab (*Chionoecetes opilio*) (U) Toad crab (*Hyas sp.*) (U)	No flora observed
143.67-320.36	2	100	2:50-6:19	Small boulder (20%) Cobble (20%) Large boulder (20%) Gravel (15%) Rubble (15%) Sand (5%) Shell (5%)	Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Crossaster sp.*) (U – 3 individuals) Basket star (*Gorgonocephalus sp*) (U) Barnacle (*Balanus sp.*) (C) Stalked sea squirt (*Boltenia sp.*) (O) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (O)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
320.36-614.51	3	100	6:19-12:07	Cobble (30%) Shell (30%) Gravel (25%) Rubble (5%) Small boulder (5%) Sand (3%) Mud Silt (2%)	Anemone (U) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Crossaster sp*.) (U – 3 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (O) Sea squirt (Ascidiacea) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U) Toad crab (*Hyas sp.*) (U)	No flora observed
614.51-710.00	4	96	12:07-14:00	Rubble (30%) Cobble (15%) Large boulder (15%) Small boulder (15%) Gravel (10%) Shell (10%) Sand (3%) Mud/silt (2%)	Anemone (U) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (O) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-124.06	1	100	0:00-4:17	Cobble (35%) Gravel (25%) Rubble (25%) Mud/silt (5%) Sand (5%) Small boulder (5%)	Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U) Barnacle (*Balanus sp.*) (C) Sponge *(Porifera sp.)* (U) Stalked sea squirt (*Boltenia sp.*) (U) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U) Snow crab (*Chionoecetes opilio*) (U) Toad crab (*Hyas sp.*) (U)	Crustose algae *(Lithothamnium sp.)* (5%)
124.06-145.32	2	100	4:17-5:01	Large boulder (30%) Rubble (20%) Small boulder (20%) Cobble (10%) Gravel (15%) Mud/silt (5%) Sand (5%) Shell (5%)	Anemone (U) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (O) Sea squirt (Ascidiacea) (O) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
145.32-275.17	3	100	5:01-9:30	Cobble (30%) Rubble (25%) Gravel (15%) Shell (15%) Mud/silt (5%) Sand (5%) Small boulder (5%)	Anemone (O) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U) Barnacle (*Balanus sp.*) (C) Sponge *(Porifera sp.)* (O) Stalked sea squirt (*Boltenia sp*) (O) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Sea cucumber (*Cucumaria frondosa*) (U - 1 individual) Snow crab (*Chionoecetes opilio*) (U)	No flora observed
275.17-449.60	4	98	9:30-14:30	Small boulder (30%) Large boulder (25%) Rubble (20%) Cobble (10%) Gravel (10%) Shell (5%)	Anemone (U) Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (O) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (C) Barnacle (*Balanus sp.*) (C) Sponge *(Porifera sp.)* (O) Stalked sea squirt (*Boltenia sp.*) (O) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (O)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-276.90	1	117	0:00-6:30	Gravel (50%) Cobble (15%) Shell (15%) Mud/silt (5%) Rubble (5%) Sand (5%) Small boulder (5%)	Hydroids (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U) Starfish (*Solaster sp.*) (U – 4 individuals) Barnacle (*Balanus sp.*) (U) Stalked sea squirt (*Boltenia sp.*). (U) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U – 3 individuals) Toad crab (*Hyas sp.*) (O)	No flora observed
276.90-352.17	2	112	6:30-8:16	Large boulder (25%) Mud/silt (25%) Small boulder (20%) Gravel (10%) Shell (10%) Cobble (5%) Sand (5%)	Hydroids (A) Bryozoa (C) Basket star (*Gorgonocephalus sp.*) (U) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 1 individual)	No flora observed
352.17-425.90	3	121	8:16-10:00	Gravel (35%) Shell (35%) Cobble (10%) Rubble (10%) Mud/silt (5%) Sand (5%)	Anemone (U) Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Solaster sp.*) (U) Icelandic scallop (*Chlamys islandica*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Sand dollar (*Echinarachnius parma*) (U) Snow crab (*Chionoecetes opilio*) (U – 2 individuals) Toad crab (*Hyas sp.*) (O)	No flora observed

Station 175 to 177 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-388.10	1	124	0:00-11:58	Cobble (30%) Gravel (30%) Shell (15%) Rubble (10%) Small boulder (10%) Mud/silt (5%)	Anemone (U) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (O) Starfish (*Crossaster sp.*) (O) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (U) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Sand dollar (*Echinarachnius parma*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U) Toad crab (*Hyas sp.*) (C) Sea raven (*Hemitripterus americanus*) (U)	Coralline algae (10%)
388.10-402.69	2	118	11:58-12:25	Large boulder (30%) Small boulder (20%) Shell (15%) Gravel (10%) Mud/silt (10%) Cobble (5%) Rubble (5%) Sand (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Basket star (*Gorgonocephalus sp.*) (U) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (U) Snow crab (*Chionoecetes opilio*) (U)	No flora observed

Station 175 to 177 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
402.69-700.32	3	117	12:25-21:36	Shell (35%) Small boulder (15%) Cobble (10%) Gravel (10%) Mud/silt (10%) Rubble (10%) Large boulder (5%) Sand (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (O) Starfish (*Crossaster sp.*) (U) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (U) Sea squirt (Ascidiacea) (C) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U) Toad crab (*Hyas sp.*) (C)	No flora observed
700.32-816.72	4	115	21:36-25:12	Shell (45%) Gravel (25%) Cobble (15%) Mud/silt (5%) Rubble (5%) Small boulder (5%)	Anemone (U) Hydroids (O) Bryozoa (U) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U) Brittle star (Ophiuroidea) (U) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U) Unidentified Fish (U)	No flora observed

Station 175 to 177 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
816.72-866.65	5	114	25:12-26:44	Large boulder (25%) Small boulder (20%) Gravel (15%) Rubble (15%) Cobble (10%) Shell (10%) Mud/silt (5%)	Anemone (U) Hydroids (C) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (U) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (O) Sea squirt (Ascidiacea) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U) Toad crab (*Hyas sp.*) (U)	No flora observed
866.65-1459.01	6	114	26:44-45:00	Gravel (35%) Cobble (20%) Shell (20%) Rubble (10%) Mud/silt (5%) Small boulder (5%) Sand (3%) Large boulder (2%)	Anemone (U) Hydroids (C) Bryozoa (U) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (O) Starfish (*Crossaster sp.*) (O) Starfish (*Solaster sp.*) (U – 1 individual) Brittle star (Ophiuroidea) (O) Basket star (*Gorgonocephalus sp.*) (U) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (U) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U) Toad crab (*Hyas sp.*) (O)	Coralline algae (10%)

Station 175 to 177 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
1459.01-1767.02	7	109	45:00-54:30	Small boulder (25%) Shell (20%) Cobble (15%) Gravel (10%) Large boulder (10%) Mud/silt (10%) Rubble (10%)	Anemone (O) Hydroids (C) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (O) Starfish (*Crossaster sp.*) (O) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (O) Sponge (*Porifera sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (U) Sea squirt (Ascidiacea) (O) Icelandic scallop (*Chlamys islandica*) (O) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U) Toad crab (*Hyas sp.*) (C)	Coralline algae (10%)
1767.02-1839.2	8	120	54:30-56:43	Large boulder (25%) Small boulder (20%) Rubble (15%) Shell (15%) Cobble (10%) Gravel (10%) Mud/silt (5%)	Anemone (O) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Asterias sp.*) (U) Starfish (*Crossaster sp.*) (U) Basket star (*Gorgonocephalus sp.*) (U) Brittle star (Ophiuroidea) (C) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (U) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U)	Coralline algae (10%)

Station 178 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-50.10	1	112	0:00-1:41	Cobble (25%) Rubble (20%) Shell (20%) Gravel (20%) Mud/silt (5%) Small boulder (10%)	Hydroids (A) Bryozoa (O) Soft coral (*Gersemia sp.*) (O) Starfish (*Crossaster sp.*) (U – 1 individual) Brittle star (Ophiuroidea) (A) Basket star (*Gorgonocephalus sp.*) (O) Sponge (*Porifera sp.*) (U) Stalked sea squirt (*Boltenia sp.*) (U) Sea squirt (Ascidiacea) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (C)	No flora observed
50.10-358.80	2	98	1:41-12:03	Large boulder (25%) Small boulder (20%) Cobble (15%) Rubble (15%) Gravel (10%) Shell (10%) Mud/silt (5%)	Anemone (O) Hydroids (A) Soft coral (*Gersemia sp.*) (C) Brittle star (Ophiuroidea) (A) Basket star (*Gorgonocephalus sp.*) (A) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp.*) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U)	Coralline algae (5%)

TG178 to 179 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-343.30	1	98	0:00-12:00	Small boulder (30%) Rubble (30%) Cobble (10%) Gravel (10%) Shell (10%) Large boulder (10%)	Anemone (U) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp*.) (O) Starfish (*Asterias sp.*) (O – 7 individuals) Starfish (*Crossaster sp.*) (O – 8 individuals) Brittle star (*Ophiuroidea*) (C) Basket star (*Gorgonocephalus sp.*) (C - 53 individuals) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (C – 28 individuals) White Sponge (*Porifera sp.*) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O – 8 individuals)	No flora observed

Station 179 to 180 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-233.66	1	110	0:00-6:46	Small boulder (25%) Large boulder (20%) Cobble (15%) Rubble (15%) Gravel (10%) Shell (10%) Mud/silt (5%)	Anemone (O) Hydroids (A) Bryozoa (C) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (C) Starfish (*Crossaster sp.*) (O) Starfish (*Solaster sp.*) (O) Basket star (*Gorgonocephalus sp.*) (C) Brittle star (Ophiuroidea) (C) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (C) Stalked sea squirt (*Boltenia sp.*). (U) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O)	Coralline algae (5%) **Storm toss:** Sea colander (*Agarum cribrosum*)
233.66-280.25	2	108	6:46-8:07	Gravel (30%) Cobble (25%) Shell (20%) Rubble (15%) Mud/silt (5%) Small boulder (5%)	Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (U – 3 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Basket star (*Gorgonocephalus sp.*) (C) Barnacle (*Balanus sp.*) (U) Sea squirt (Ascidiacea) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Toad crab (*Hyas sp.*) (U – 3 individuals)	Coralline algae (5%)

Station 179 to 180 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
280.25-458.00	3	106	8:07-13:16	Small boulder (30%) Large boulder (20%) Rubble (20%) Gravel (10%) Shell (10%) Cobble (5%) Mud/silt (5%)	Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (C – 16 individuals) Starfish (*Crossaster sp.*) (O – 8 individuals Starfish (*Solaster sp.*) (U – 4 individuals) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U) Stalked sea squirt (*Boltenia sp.*). (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U)	Coralline algae (10%) **Storm toss:** Sea colander (*Agarum cribrosum*) Red fern (*Ptilota sp.*)
458.00-503.90	4	105	13:16-14:36	Gravel (35%) Cobble (30%) Shell (20%) Silt (10%) Rubble (5%)	Hydroids (C) Starfish (*Asterias sp.*) (O – 2 individuals) Starfish (*Crossaster sp.*) (O – 2 individuals Barnacle (*Balanus sp.*) (U) Icelandic scallop (*Chlamys islandica*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O – 2 individuals) Sea spider (Pycnogonid) (U – 1 individual)	No flora observed
503.90-692.10	5	95	14:36-20:03	Small boulder (30%) Large boulder (20%) Rubble (20%) Gravel (10%) Shell (10%) Cobble (5%) Mud/silt (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Soft coral (*Gersemia sp.*) (U) Starfish (*Asterias sp.*) (C) Starfish (*Crossaster sp.*) (O) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (O) Stalked sea squirt (*Boltenia sp.*). (U) Sea squirt (Ascidiacea) (U) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (U)	Coralline algae (10%) **Storm toss:** Red fern (*Ptolita sp.*) (2%) Sea colander (*Agarum cribrosum*) (1%)

Station 179 to 180 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
					Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O)	

TG180 to 181 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % coverage)
0-143.76	1	105	0:00-5:05	Gravel (40%) Cobble (30%) Rubble (10%) Shell (10%) Sand (5%) Mud/silt (5%)	Hydroids (C) Starfish (*Asterias sp.*) (C – 33 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (O) Sponge (*Porifera sp.*) (U – 1 individual) Stalked sea squirt (*Boltenia sp.*) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (O) Toad crab (*Hyas sp.*) (U – 1 individual)	Coralline algae (5%)
143.76-271.11	2	98	5:05-9:35	Rubble (40%) Small boulder (30%) Shell (15%) Cobble (10%) Gravel (5%)	Anemone (U – 2 individuals) Hydroids (C) Starfish (*Asterias sp.*) (C – 25 individuals) Starfish (*Crossaster sp.*) (U – 5 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (O) Deep sea scallop (*Placopecten magellanicus*) (O) Sea cucumber (*Cucumaria frondosa*) (U – 1 Individual) Toad crab (*Hyas sp.*) (O – 5 individuals)	Coralline algae (10%)
271.11-447.42	3	99	9:35-15:49	Small boulder (60%) Large boulder (20%) Shell (10%) Cobble (5%) Rubble (5%)	Anemone (U – 8 individuals) Hydroids (A) Bryozoa (C) Starfish (*Asterias sp.*) (C – 39 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (C – 40 individuals) Stalked sea squirt (*Boltenia sp.*) (U – 5 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (O – 8 individuals)	**Storm toss:** Red fern (*Ptilota sp.*) (2%) Sea colander (*Agarum cribrosum*) (1%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % coverage)
447.42-469.21	4	100	15:49-16:35	Cobble (65%) Rubble (20%) Gravel (10%) Mud/silt (5%)	Anemone (U) Hydroids (C) Starfish (*Asterias sp.*) (U – 3 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (C) Barnacle (*Balanus sp.*) (U) Sponge (*Porifera sp.*) (U – 3 individuals) Deep sea scallop (*Placopecten magellanicus*) (O) Toad crab (*Hyas sp.*) (O – 1 individual) Stalked jellyfish (Stauromedusae) (U – 1 individual)	Coralline algae (5%)
469.21-530.62	5	100	16:35-18:45	Small boulder (40%) Large boulder (20%) Gravel (15%) Rubble (10%) Cobble (10%) Shell (5%)	Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (O – 9 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Brittle star (Ophiuroidea) (C) Basket star (*Gorgonocephalus sp.*) (O - 26 individuals) Sponge (*Porifera sp.*) (C – 13 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (U – 2 individuals)	**Storm toss:** Red fern (*Ptilota sp.*) (1%)
530.62-684.01	6	101	18:45-24:10	Cobble (40%) Gravel (30%) Rubble (15%) Shell (10%) Mud/silt (5%)	Hydroids (O) Starfish (*Asterias sp.*) (O – 12 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Brittle star (Ophiuroidea) (C) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (O – 2 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (O – 5 individuals)	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % coverage)
684.01-867.96	7	97	24:10-30:40	Small boulder (30%) Large boulder (30%) Rubble (20%) Shell (10%) Gravel (5%) Cobble (5%)	Anemone (O) Hydroids (A) Bryozoa (C) Starfish (*Asterias sp.*) (C – 45 individuals) Starfish (*Crossaster sp.*) (O – 10 individuals) Brittle star (Ophiuroidea) (O) Sponge (*Porifera sp.*) (C – too many individuals to count) Stalked sea squirt (*Boltenia sp*.) (U – 4 individuals) Deep sea scallop (*Placopecten magellanicus*) (U) Pale urchin (*Strongylocentrotus pallidus*) (U) Snow crab (*Chionoecetes opilio*) (U – 1 Individual) Toad crab (*Hyas sp.*) (U – 4 individuals) Adult cod (*Gadus sp.)* (U – 1 individual)	No flora observed
867.96-1097.76	8	97	30:40-38:47	Rubble (40%) Small boulder (25%) Shell (10%) Cobble (10%) Gravel (10%) Large boulder (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (C – 33 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (A – too many individuals to count) Stalked sea squirt (*Boltenia sp*.) (U – 3 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (C – 6 individuals)	Coralline algae (5%) **Storm toss:** Red fern (*Ptilota sp.*) (2%)

TG180 to 181 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % coverage)
1097.76-1293.60	9	93	38:47-45:42	Rubble (35%) Small boulder (30%) Shell (10%) Cobble (10%) Large boulder (10%) Gravel (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (C – 30 individuals) Starfish (*Crossaster sp.*) (U – 3 individuals) Barnacle (*Balanus sp.*) (O) Sponge (*Porifera sp.*) (O – 18 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (U) Toad crab (*Hyas sp.*) (U – 2 individuals)	**Storm toss:** Red fern (*Ptilota sp.*) (2%)
1293.60-2122.79	10	89	45:42-75:00	Cobble (35%) Gravel (35%) Shell (10%) Rubble (10%) Small boulder (5%) Mud/silt (5%)	Anemone (U) Hydroids (C) Starfish (*Asterias sp.*) (C – 176 individuals) Starfish (*Crossaster sp.*) (O – 14 individuals) Starfish (*Solaster sp.*) (U – 2 individuals) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (C) Sponge (*Porifera sp.*) (U – 4 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 6 individuals) Icelandic scallop (*Chlamys islandica*) (O) Deep sea scallop (*Placopecten magellanicus*) (O) Pale urchin (*Strongylocentrotus pallidus*) (O) Toad crab (*Hyas sp.*) (O - 16 individuals)	**Storm toss:** Red fern (*Ptilota sp.*) (1%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-145.85	1	77	0:00-4:23	Cobble (40%) Rubble (25%) Gravel (15%) Small boulder (10%) Large boulder (5%) Shell (5%)	Anemone (U) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (O – 8 individuals) Starfish (*Crossaster sp.*) (O – 5 individuals) Brittle star (Ophiuroidea) (U – 1 individual) Barnacle (*Balanus sp.*) (U) Icelandic scallop (*Chlamys islandica*) (U – 3 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 2 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 4 individuals) Toad crab (*Hyas sp.*) (U – 2 individuals)	**Storm toss:** Red fern (*Ptilota sp*). (10%) Sea colander (*Agarum cribrosum*) (1%)
145.85-221.44	2	72	4:23-6:39	Gravel (55%) Cobble (30%) Rubble (5%) Shell (5%) Mud/silt (5%)	Anemone (U) Hydroids (O) Bryozoa (U) Starfish (*Asterias sp.*) (U – 4 individuals) Starfish (*Solaster sp.*) (U – 1 Individual) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (U) Icelandic scallop (*Chlamys islandica*) (U – 2 individuals) Deep sea scallop (*Placopecten magellanicus*) (U – 2 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 3 individuals) Toad crab (*Hyas sp.*) (U – 2 individuals)	Coralline algae (5%) **Storm toss:** Red fern (*Ptilota sp*). (5%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
221.44-556.11	3	74	6:39-16:42	Bedrock (65%) Gravel (5%) Cobble (5%) Large boulder (5%) Small boulder (5%) Rubble (5%) Shell (5%) Mud/silt (5%)	Anemone (O – 40 individuals) Hydroids (O) Bryozoa (O) Starfish (*Asterias sp.*) (O – 26 individuals) Starfish (*Crossaster sp.*) (O – 21 individuals) Barnacle (*Balanus sp.*) (A) Sponge (*Porifera sp.*) (C – individuals too numerous to count) Sea squirt (Ascidiacea) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (U – 1 individual) Sand dollar (*Echinarachnius parma*) Pale urchin (*Strongylocentrotus pallidus*) (U – 9 individuals) Toad crab (*Hyas sp.*) (U – 8 individuals)	Coralline algae (10%) Crustose algae (non *Lithothamnium sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (5%) **Note:** Rough terrain with small valleys between bedrock ridges
556.11-843.49	4	85	16:42-25:20	Gravel (30%) Cobble (30%) Rubble (20%) Small boulder (5%) Large boulder (5%) Shell (5%) Mud/silt (5%)	Anemone (U) Hydroids (O) Bryozoa (U) Starfish (*Asterias sp.*) (O – 40 individuals) Starfish (*Crossaster sp.*) (U – 9 individuals) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (O) Icelandic scallop (*Chlamys islandica*) (U – 15 individuals) Sea squirt (Ascidiacea) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (O – 40 individuals) Sand dollar (*Echinarachnius parma*) (U – 2 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 13 individuals) Snow crab (*Chionoecetes opilio*) (U – 2 individuals) Toad crab (*Hyas sp.*) (U – 5 individuals)	Coralline algae (5%) **Storm toss:** Red fern (*Ptilota sp.*) (5%)
843.49-860.14	5	70	25:20-25:56	Gravel (35%) Cobble (25%) Shell (20%) Rubble (10%) Small boulder (5%) Mud/silt (5%)	Hydroids (O) Bryozoa (U) Starfish (*Asterias sp.*) (U – 2 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (U – 4 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 8	No flora observed

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
					individuals)	
860.14-986.01	6	73	25:56-29:43	Bedrock (60%) Large boulder (10%) Small boulder (10%) Cobble (10%) Gravel (5%) Shell (5%)	Anemone (U) Hydroids (O) Bryozoa (U) Starfish (*Asterias sp.*) (O – 16 individuals) Starfish (*Crossaster sp.*) (U – 4 individuals) Sponge (*Porifera sp.*) (C – 40 individuals) Stalked sea squirt (*Boltenia sp*.) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U – 1 individual) Toad crab (*Hyas sp.*) (U – 6 individuals)	**Storm toss:** Red fern (*Ptilota sp.*) (2%)
986.01-1269.30	7	87	29:43-38:03	Rubble (30%) Small boulder (20%) Cobble (20%) Shell (15%) Gravel (10%) Sand (5%)	Anemone (U – 24 individuals) Hydroids (C) Bryozoa (O) Starfish (*Asterias sp.*) (C – 66 individuals) Starfish (*Crossaster sp.*) (U – 6 individuals) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp.*) (O) Stalked sea squirt (*Boltenia sp*.) (U – 2 individuals) Icelandic scallop (*Chlamys islandica*) (U – 7 individuals) Sea squirt (Ascidiacea) (U – 1 individual) Deep sea scallop (*Placopecten magellanicus*) (U – 5 individuals) Sand dollar (*Echinarachnius parma*) (U – 2 Individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 13 individuals) Toad crab (*Hyas sp.*) (O – 9 individuals)	Coralline algae (5%) **Storm toss:** Red fern (*Ptilota sp.*) (2%) Sea colander (*Agarum cribrosum*) (1%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-277.74	1	61	0:00-11:55	Gravel (35%) Cobble (30%) Small boulder (15%) Rubble (10%) Sand (5%) Shell (5%)	Anemone (U) Hydroids (U) Starfish (*Asterias sp*.) (O – 15 individuals) Starfish (*Crossaster sp*.) (U – 6 individuals) Brittle star (Ophiuroidea) (O – 15 individuals) Sponge (*Porifera sp.*) (U – 4 individuals) Icelandic scallop (*Chlamys islandica*) (O – 11 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 13 individuals) Pale urchin (*Strongylocentrotus pallidus*) (O – 10 individuals) Snow crab (*Chionoecetes opilio*) (U – 1 individual) Toad crab (*Hyas sp*.) (U – 5 individuals)	Crustose algae (non *Lithothamnium sp.*) (25%) **Storm toss:** Red fern (*Ptilota sp.*) (30%) Rockweed (*Fucus sp.*) (2%) Sea colander (*Agarum cribrosum*) (2%) Kelp (*Laminaria sp.*) (1%) **Debris:** Metal Hook
277.74-466.00	2	74	11:55-21:00	Gravel (40%) Cobble (25%) Shell (15%) Rubble (10%) Mud/silt (5%) Sand (5%)	Hydroids (U) Starfish (*Asterias sp*.) (O – 10 individuals) Starfish (*Crossaster sp*.) (U – 4 individuals) Starfish (*Solaster sp*.) (U – 1 individual) Brittle star (Ophiuroidea) (O) Barnacle (*Balanus sp*.) (U) Sponge (*Porifera sp.*) (U – 1 individual) Icelandic scallop (*Chlamys islandica*) (C – 35 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 11 individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 4 individuals) Toad crab (*Hyas sp*.) (O – 7 individuals)	Crustose algae (non *Lithothamnium sp.*) (5%) **Storm toss:** Red fern (*Ptilota sp.*) (20%) Sea colander (*Agarum cribrosum*) (1%)
466.00-657.90	3	80	21:00-28:02	Cobble (50%) Gravel (35%) Rubble (10%) Shell (5%)	Anemone (U – 1 individual) Hydroids (U) Starfish (*Asterias sp*.) (O – 7 individuals) Starfish (*Crossaster sp*.) (O – 6 individuals) Brittle star (Ophiuroidea) (U) Barnacle (*Balanus sp*.) (U) Icelandic scallop (*Chlamys islandica*) (O – 9 individuals) Deep sea scallop (*Placopecten magellanicus*) (O – 19	**Storm toss:** Red fern (*Ptilota sp.*) (10%) Sea colander (*Agarum cribrosum*) (2%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
					individuals) Pale urchin (*Strongylocentrotus pallidus*) (U – 4 individuals) Toad crab (*Hyas sp*.) (U – 3 individuals)	

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-164.71	1	20	0:00-5:49	Cobble (40%) Gravel (30%) Rubble (10%) Sand (10%) Small boulder (5%) Shell (5%)	Starfish (*Asterias sp.*) (U – 5 individuals) Starfish (*Crossaster sp.*) (U – 1 individual) Brittle star (Ophiuroidea) (U – 1 individual)	Crustose algae (non *Lithothamnium sp.*) (60%) Sea colander (*Agarum cribrosum*) (10%) Coralline algae (5%) Red fern (*Ptilota sp.*) (2%) Sour weed (*Desmarestia sp.*) (2%) Kelp (*Laminaria sp.*) (1%) **Storm toss**: Sea colander (*Agarum cribrosum*) (2%) Red fern (*Ptilota sp.*) (2%)
164.71-384.04	2	21	5:49-13:34	Sand (50%) Gravel (30%) Cobble (10%) Rubble (5%) Shell (3%) Small boulder (2%)	Starfish (*Asterias sp.*) (O – 8 individuals) Starfish (*Crossaster sp.*) (U – 2 individuals) Green urchin (*Strongylocentrotus droebachiensis*) (U – 1 individual) Juvenile cod (G*adus sp.*) (U – 1 individual) Rock crab (*Cancer sp.*) (U – 1 individual)	Crustose algae (non *Lithothamnium sp.*) (15%) Sea colander (*Agarum cribrosum*) (5%) Red fern (*Ptilota sp.*) (2%) **Storm toss:** Sea colander (*Agarum cribrosum*) (2%) Red fern (*Ptilota sp.*) (2%)
384.04-909.57	3	28	13:34-32:08	Cobble (40%) Gravel (25%) Sand (20%) Rubble (10%) Small boulder (5%)	Starfish (*Asterias sp.*) (O – 54 individuals) Starfish (*Crossaster sp.*) (O – 5 individuals) Starfish (*Solaster sp.*) (U – 1 individual) Pale urchin (*Strongylocentrotus pallidus*) (U – 3 individuals) Toad crab (*Hyas sp.*) (U – 1 individual) Juvenile cod (G*adus sp.*) (U – 1 individual) Rock crab (*Cancer sp.*) (U – 4 individuals) Tube worm waste pile (*Spirobis sp*.) (U – 1 individual)	Crustose algae (non *Lithothamnium sp.*) (40%) Red fern (*Ptilota sp.*) (20%) Sea colander (*Agarum cribrosum*) (15%) Coralline algae (5%) **Storm toss:** Sea colander (*Agarum cribrosum*) (3%) Red fern (*Ptilota sp.*) (2%)

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Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-224.40	1	8	0:00-5:25	Bedrock (35%) Rubble (20%) Gravel (15%) Cobble (10%) Sand (10%) Small boulder (10%)	Starfish (*Asterias sp.*) (O – 5 individuals)	Kelp (*Laminaria sp.*) (50%)
224.40-430.20	2	15	5:25-10:23	Gravel (40%) Cobble (20%) Rubble (10%) Sand (10%) Bedrock (10%) Small boulder (5%) Shell (5%)	Starfish (*Asterias sp.*) (O – 20 individuals) **Note:** Majority of *Asterias* is small and located on kelp blades	Crustose algae (non *Lithothamnium sp.*) (50%) Sea colander (*Agarum cribrosum*) (25%) Red fern (*Ptilota sp.*) (5%) Sour weed (*Desmarestia sp.*) (1%) **Storm toss:** Sea colander (*Agarum cribrosum*) (2%) Red fern (*Ptilota sp.*) (1%)
430.20-681.50	3	15	10:23-16:27	Gravel (30%) Cobble (30%) Rubble (20%) Sand (10%) Small boulder (5%) Bedrock (5%)	Starfish (*Asterias sp.*) (O – 27 individuals)	Crustose algae (non *Lithothamnium sp.*) (70%) Sea colander (*Agarum cribrosum*) (20%) Kelp (*Laminaria sp.*) (5%) Red fern (*Ptilota sp.*) (2%)
681.50-766.50	4	17	16:27-18:30	Cobble (40%) Sand (40%) Gravel (20%)	Starfish (*Asterias sp.*) (U – 2 individuals)	Crustose algae (non *Lithothamnium sp.*) (50%) Sea colander (*Agarum cribrosum*) (20%) Kelp (*Laminaria sp.*) (5%) **Storm toss:** Red fern (*Ptilota sp.*) (1%) Sea colander (*Agarum cribrosum*) (2%)

Station 191 to 188 - 2008 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
766.50-932.20	5	20	18:30-22:30	Gravel (45%) Cobble (30%) Sand (10%) Rubble (10%) Bedrock (5%)	Starfish (*Asterias sp.*) (U – 3 individuals) Rock crab (*Cancer sp.*) (U - 1 individual)	Sea colander (*Agarum cribrosum*) (20%) Red fern (*Ptilota sp.*) (5%) Sour weed (*Desmarestia sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (1%) Sea colander (*Agarum cribrosum*) (1%)

NC1 to NC2 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1	11	1:26-2:13	Bedrock (100%)	No fauna observed	Kelp (*Laminaris longicruris*) (100%)
5-10	2		2:13-3:50	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (98%)
10-15	3		3:50-5:02	Bedrock (60%) Gravel (40%)	No fauna observed	Kelp (*Laminaria longicruris*) (100%)
15-20	4		5:02-6:23	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Hermit crab (*Pagurus sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (100%) Sea colander (*Agurum cribosum*) (5%) Red fern (*Ptilota sp.*) (3%)
20-25	5		6:23-7:50	Cobble (60%) Bedrock (40%)	No fauna observed	Kelp (*Laminaria longicruris*) (100%)
25-30	6		7:50-8:51	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (100%)
30-35	7		8:51-10:27	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (non *Lithothamnium sp.*) (20%) Crustose algae *(Lithothamnium sp.)* (4%)
35-40	8		10:27-12:14	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (20%) Crustose algae (non *Lithothamnium sp.*) (4%) **Note:** Kelp approximately 1.5-2m in height Epiphytic growth on kelp

NC1 to NC2 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
40-45	9		12:14-13:31	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (15%) Crustose algae (non *Lithothamnium sp.*) (10%) **Note:** Epiphytic growth on kelp
45-50	10		13:31-14:50	Bedrock (100%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (15%) Crustose algae (non *Lithothamnium sp.*) (10%)
50-55	11		14:50-16:27	Bedrock (100%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (15%) Crustose algae (non *Lithothamnium sp.*) (10%)
55-60	12		16:27-18:00	Bedrock (100%)	Starfish (*Asterias sp.*) (A) Blue mussel (*Mytilus edulis*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (97%) Crustose algae (*Lithothamnium sp.*) (15%) Crustose algae (non *Lithothamnium sp.*) (10%) Sea colander (*Agurum cribosum*) (3%)
60-65	13		18:00-19:15	Bedrock (100%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (15%) Crustose algae (non *Lithothamnium sp.*) (10%) Red fern (*Ptilota sp.*) (1%) **Note:** Kelp approximately 0.5-1m in height

NC1 to NC2 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
65-70	14		19:15-21:05	Bedrock (100%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (15%) Crustose algae (non *Lithothamnium sp.*) (10%) Coralline algae (*Corillina officinalis*) (1%) Sea colander (*Agurum cribosum*) (1%) **Note:** Kelp approximately 0.5-1m in height Epiphytic growth on kelp
70-75	15		21:05-22:27	Bedrock (100%)	Starfish (*Asterias sp.*) (A) Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (100%) Sea colander (*Agurum cribosum*) (1%)
75-80	16		22:27-23:56	Bedrock (100%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (70%) Crustose algae (*Lithothamnium sp.*) (15%) Crustose algae (non *Lithothamnium sp.*) (10%) Edible kelp (*Alaria sp.*) (10%)
80-85	17		23:56-25:40	Bedrock (90%) Gravel (10%)	No fauna observed	Kelp (*Laminaria longicruris*) (20%) Edible kelp (*Alaria sp.*) (30%) Sourweed (*Desmarestia sp.*) (8%)
85-90	18		25:40-28:33	Bedrock (90%) Gravel (10%)	Starfish (*Asterias sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (30%) Edible kelp (*Alaria sp.*) (20%) Kelp (*Laminaria longicruris*) (10%) Sourweed (*Desmarestia sp.*) (10%) Coralline algae (*Corillina officinalis*) (4%)

NC2 to NC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		27:22-29:45	Bedrock (80%) Large boulder (15%) Cobble (5%)	Starfish (*Asterias sp.*) (C) Periwinkle (*Littorina sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (30%) Kelp (*Laminaris longicruris*) (20%) Edible kelp (*Alaria sp.*) (20%) Sourweed (*Desmarestia sp.*) (5%) Sea colander (*Agurum cribosum*) (5%) Crustose *(*non *Lithothamnium sp.)* (3%) Kelp (*Laminaria digitata*) (2%)
5-10	2		29:45-30:56	Bedrock (100%)	No fauna observed	Crustose algae (*Lithothamnium sp.*) (30%) Kelp (*Laminaria longicruris*) (30%) Edible kelp (*Alaria sp.*) (5%) Kelp (*Laminaria digitata*) (2%) Crustose algae (non *Lithothamnium sp.*) (2%)
10-15	3		30:56-32:01	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (60%) Crustose algae (*Lithothamnium sp.*) (30%) Crustose algae (non *Lithothamnium sp.*) (3%)
15-20	4		32:01-33:35	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (70%) Sourweed (*Desmarestia sp.*) (10%) Edible kelp (*Alaria sp.*) (4%) Dulse (*Palmeria palmata*) (4%)
20-25	5		33:35-34:39	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (70%) Crustose algae (*Lithothamnium sp.*) (30%) Edible kelp (*Alaria sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%)

NC2 to NC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
25-30	6		34:39-36:00	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (70%) Crustose algae (*Lithothamnium sp.*) (30%) Edible kelp (*Alaria sp.*) (20%) Sourweed (*Desmarestia sp.*) (10%) Coralline algae (*Corillina officinalis*) (10%)
30-35	7		36:00-37:15	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (65%) Edible kelp (*Alaria sp.*) (30%) Coralline algae (*Corillina officinalis*) (30%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae *(*non *Lithothamnium sp.)* (5%)
35-40	8		37:15-38:33	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (50%) Crustose algae (*Lithothamnium sp.*) (30%) Coralline algae (*Corillina officinalis*) (10%) Edible kelp (*Alaria sp.*) (10%) Sourweed (*Desmarestia sp.*) (3%) Kelp (*Laminaria digitata*) (2%)
40-45	9		38:33-39:55	Bedrock (90%) Rubble (10%)	Starfish (*Asterias sp.*) (C) Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (50%) Crustose algae (*Lithothamnium sp.*) (30%) Coralline algae (*Corillina officinalis*) (10%) Edible kelp (*Alaria sp.*) (10%) Sourweed (*Desmarestia sp.*) (3%)

NC2 to NC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
45-50	10		39:55-41:01	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (40%) Edible kelp (*Alaria sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae *(*non *Lithothamnium sp.)* (5%) Sourweed (*Desmarestia sp.*) (4%)
50-55	11	4	41:01-42:30	Bedrock (90%) Large boulders (10%)	Starfish (*Asterias sp.*) (A)	Edible kelp (*Alaria sp.*) (35%) Sourweed (*Desmarestia sp.*) (10%) Kelp (*Laminaria longicruris*) (10%) Crustose algae *(*non *Lithothamnium sp.)* (4%) Crustose algae (*Lithothamnium sp.*) (3%)
55-60	12		42:30-43:55	Bedrock (60%) Large boulders (40%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (5%) Edible kelp (*Alaria sp.*) (25%) Sourweed (*Desmarestia sp.*) (10%) Crustose algae *(*non *Lithothamnium sp.)* (4%) Red fern (*Ptilota sp.*) (3%) Crustose algae (*Lithothamnium sp.*) (3%)
60-65	13		43:55-45:00	Bedrock (70%) Large boulders (30%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (non *Lithothamnium sp.*) (35%) Kelp (*Laminaria longicruris*) (5%) Red fern (*Ptilota sp.*) (5%) Edible kelp (*Alaria sp.*) (3%) Sourweed (*Desmarestia sp.*) (3%) Rockweed (*Fucus sp.*) (3%)
65-70	14		45:00-46:00	Bedrock (100%)	Periwinkle (*Littorina sp*.) (A)	Crustose algae (*Lithothamnium sp.*) (30%) Kelp (*Laminaria longicruris*) (15%) Edible kelp (*Alaria sp.*) (10%) Sourweed (*Desmarestia sp.*) (10%) Red fern (*Ptilota sp.*) (3%)

NC2 to NC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
70-75	15		46:00-47:10	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (30%) Edible kelp (*Alaria sp.*) (15%) Coralline algae (*Corillina officinalis*) (10%) Sourweed (*Desmarestia sp.*) (10%) Kelp (*Laminaria longicruris*) (5%)
75-80	16		47:10-48:15	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (30%) Edible kelp (*Alaria sp.*) (20%) Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (10%) Coralline algae (*Corillina officinalis*) (10%) Red fern (*Ptilota sp.*) (3%)
80-85	17		48:15-49:30	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (30%) Edible kelp (*Alaria sp.*) (25%) Sourweed (*Desmarestia sp.*) (15%) Kelp (*Laminaria longicruris*) (10%) Coralline algae (*Corillina officinalis*) (10%)
85-90	18		49:30-50:40	Bedrock (80%) Large boulders (20%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (30%) Coralline algae (*Corillina officinalis*) (12%) Kelp (*Laminaria longicruris*) (10%) Crustose algae *(*non *Lithothamnium sp.)* (5%)

NC2 to NC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
90-95	19		50:40-51:35	Bedrock (100%)	Starfish (*Asterias sp*.) (O) Periwinkle (*Littorina sp*.) (C)	Kelp (*Laminaria longicruris*) (35%) Coralline algae (*Corillina officinalis*) (30%) Crustose algae (*Lithothamnium sp.*) (20%)
95-100	20		51:35	Bedrock (100%)	Starfish (*Asterias sp*.) (O) Periwinkle (*Littorina sp*.) (A)	Kelp (*Laminaria longicruris*) (60%) Crustose algae (*Lithothamnium sp.*) (30%) Coralline algae (*Corillina officinalis*) (20%)

NC3 to NC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		0:30-1:07	Bedrock (60%) Large boulder (25%) Rubble (10%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae *(*non *Lithothamnium sp.)* (15%) Crustose algae (*Lithothamnium sp.*) (5%)
5-10	2		1:07-1:42	Bedrock (60%) Large boulder (20%) Small boulder (10%) Rubble (10%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae *(*non *Lithothamnium sp.)* (15%) Crustose algae (*Lithothamnium sp.*) (5%)
10-15	3		1:42-2:25	Bedrock (55%) Large boulder (30%) Small boulder (10%) Rubble (5%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (5%)
15-20	4		2:25-3:16	Large boulder (45%) Bedrock (42%) Small boulder (5%) Rubble (3%)	Periwinkle (*Littorina sp.*) (A)	Coralline algae (*Corillina officinalis*) (10%)
20-25	5		3:16-3:58	Bedrock (70%) Large boulder (25%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae *(*non *Lithothamnium sp.)* (5%)
25-30	6		3:58-4:50	Bedrock (70%) Large boulder (20%) Small boulder (10%)	Starfish (*Asterias sp.*) (A) Periwinkle (*Littorina sp.*) (O)	Sourweed (*Desmarestia sp.*) (3%) Sea colander (*Agurum cribosum*) (1%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae *(*non *Lithothamnium sp.)* (5%) **Storm toss:** Red fern (*Ptilota sp.*) (1%) Kelp (*Laminaria sp.*) (1%)

NC3 to NC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
30-35	7		4:50-6:07	Bedrock (80%) Large boulder (20%)	Starfish (*Asterias sp.*) (A) Periwinkle (*Littorina sp.*) (A)	Coralline algae (*Corillina officinalis*) (10%) Crustose algae (*non Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (5%) Kelp (*Laminaria longicruris*) (5%) Crustose algae *(Lithothamnium sp.)* (5%)
35-40	8		6:07-6:43	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (10%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae *(*non *Lithothamnium sp.)* (5%) Sea colander (*Agurum cribosum*) (3%)
40-45	9		6:43-7:34	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (O) Blue mussel (*Mytilus edulis*) (U – 2 individuals)	Coralline algae (*Corillina officinalis*) (10%) Crustose algae *(*non *Lithothamnium sp.)* (5%) Sea colander (*Agurum cribosum*) (3%) Crustose algae (*Lithothamnium sp.*) (3%) Red fern (*Ptilota sp.*) (1%)
45-50	10		7:34-8:13	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (C)	Crustose algae *(*non *Lithothamnium sp.)* (10%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (4%) Sea colander (*Agurum cribosum*) (3%)

NC3 to NC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
50-55	11		8:13-9:13	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (C)	Coralline algae (*Corillina officinalis*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae *(*non *Lithothamnium sp.)* (5%) Red fern (*Ptilota sp.*) (3%) Kelp (*Laminaria longicruris*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) 2%
55-60	12		9:13-10:01	Bedrock (95%) Small boulder (3%) Large boulder (2%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (C)	Coralline algae (*Corillina officinalis*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae *(*non *Lithothamnium sp.)* (3%) Rock weed (*Fucus sp.*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) 1%
60-65	13		10:01-10:58	Bedrock (90%) Large boulder (3%) Small boulder (2%) Rubble (5%)	Periwinkle (*Littorina sp.*) (A)	Coralline algae (*Corillina officinalis*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae *(*non *Lithothamnium sp.)* (3%) **Storm toss**: Kelp (*Laminaria sp.*) 1%
65-70	14		10:58-11:55	Bedrock (70%) Small boulder (20%) Large boulder (10%)	Periwinkle (*Littorina sp*.) (A) Starfish (*Asterias sp*.) (C)	Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae *(*non *Lithothamnium sp.)* (5%) Coralline algae (*Corillina officinalis*) (2%)

NC3 to NC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
70-75	15		11:55-12:53	Bedrock (70%) Small boulder (20%) Large boulder (10%)	Periwinkle (*Littorina sp*.) (A) Starfish (*Asterias sp*.) (U)	Edible kelp (*Alaria sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae *(*non *Lithothamnium sp.)* (5%) Coralline algae (*Corillina officinalis*) (2%)
75-80	16	4	12:53-13:31	Bedrock (100%)	Periwinkle (*Littorina sp*.) (A)	Edible kelp (*Alaria sp.*) (60%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae *(*non *Lithothamnium sp.)* (5%) Sourweed (*Desmarestia sp.*) (2%)
80-85	17		13:31-14:40	Bedrock (100%)	Periwinkle (*Littorina sp*.) (A)	Edible kelp (*Alaria sp.*) (70%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae *(*non *Lithothamnium sp.)* (5%)
85-90	18		14:40-15:20	Bedrock (50%) Small boulder (30%) Large boulder (10%) Rubble (10%)	Periwinkle (*Littorina sp*.) (A) Starfish (*Asterias sp*.) (A)	Crustose algae (*Lithothamnium sp.*) (3%) Crustose algae *(*non*Lithothamnium sp.)* (1%)
90-95	19		15:20-16:00	Small boulder (52%) Bedrock (30%) Rubble (10%) Large boulder (5%) Cobble (3%)	Periwinkle (*Littorina sp*.) (A)	Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae *(*non *Lithothamnium sp.)* (2%)
95-100	20		16:00-16:46	Bedrock (60%) Small boulder (25%) Cobble (10%) Large boulder (5%)	Periwinkle (*Littorina sp*.) (A) Starfish (*Asterias sp*.) (C) Blue mussel (*Mytilus edulis*) (A)	Sea colander (*Agurum cribosum*) (1%)

NC4 to NC5 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		17:28-17:46	Bedrock (60%) Small boulder (28%) Large boulder (2%) Rubble (10%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae *(*non *Lithothamnium sp.)* (5%) Coralline algae (3%)
5-10	2		17:46-18:49	Bedrock (60%) Small boulder (28%) Large boulder (2%) Cobble (10%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C)	Crustose algae (non *Lithothamnium sp.*) (5%) Kelp (*Laminaria longicruris*) (2%)
10-15	3		18:49-19:44	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C)	Crustose algae *(*non *Lithothamnium sp.)* (5%) Kelp (*Laminaria longicruris*) (1%) Sourweed (*Desmarestia sp.*) (1%)
15-20	4		19:44-21:03	Bedrock (98%) Small boulder (2%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (A)	Crustose algae (*Lithothamnium sp.*) (3%) Crustose algae *(*non *Lithothamnium sp.)* (3%) Kelp (*Laminaria longicruris*) (1%) Sourweed (*Desmarestia sp.*) (1%)
20-25	5		21:03-21:48	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C)	Crustose algae *(*non *Lithothamnium sp.)* (4%) Crustose algae (*Lithothamnium sp.*) (3%) Edible kelp (*Alaria sp.*) (2%)
25-30	6		21:48-22:41	Bedrock (100%)	Starfish (*Asterias sp.*) (A) Periwinkle (*Littorina sp.*) (C) Rock crab (*Cancer sp*.) (O)	Crustose algae *(*non *Lithothamnium sp.)* (4%) Edible kelp (*Alaria sp.*) (2%) Crustose algae (*Lithothamnium sp.*) (2%) Red fern (*Ptilota sp.*) (1%)
30-35	7		22:41-23:28	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C) Starfish (*Asterias sp.*) (O)	Edible kelp (*Alaria sp.*) (4%) Crustose algae (*Lithothamnium sp.*) (4%) Coralline algae (*Corillina officinalis*) (4%)

NC4 to NC5 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
35-40	8		23:28-24:22	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae *(*non *Lithothamnium sp.)* (4%) Edible kelp (*Alaria sp.*) (3%) Crustose algae (*Lithothamnium sp.*) (2%) Red fern (*Ptilota sp.*) (1%) Sourweed (*Desmarestia sp.*) (1%)
40-45	9		24:22-25:12	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C)	Crustose algae *(*non *Lithothamnium sp.)* (4%) Edible kelp (*Alaria sp.*) (4%) Crustose algae (*Lithothamnium sp.*) (2%) Sourweed (*Desmarestia sp.*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (1%)
45-50	10		25:12-26:15	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (A)	Kelp (*Laminaria longicruris*) (4%) Crustose algae *(*non *Lithothamnium sp.)* (4%) Crustose algae (*Lithothamnium sp.*) (2%)
50-55	11		26:15-27:16	Bedrock (80%) Small boulder (10%) Rubble (5%) Cobble (5%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae *(*non *Lithothamnium sp.)* (4%) Crustose algae (*Lithothamnium sp.*) (2%)
55-60	12		27:16-28:00	Bedrock (40%) Small boulder (35%) Rubble (20%) Large boulder (5%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (O)	Coralline algae (*Corillina officinalis*) (6%) Crustose algae *(*non *Lithothamnium sp.)* (4%) Crustose algae (*Lithothamnium sp.*) (3%)
60-65	13		28:00-28:55	Bedrock (40%) Small boulder (35%) Rubble (20%) Large boulder (5%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C) Blue mussel (*Mytilus edulis*) (O)	Coralline algae (*Corillina officinalis*) (6%) Crustose algae (Lithothamnium *sp.*) (4%) Crustose algae (non *Lithothamnium sp.*) (2%)

NC4 to NC5 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
65-70	14		28:55-29:55	Bedrock (70%) Rubble (20%) Small boulder (5%) Cobble (5%)	Periwinkle (*Littorina sp*.) (A)	Crustose algae *(*non *Lithothamnium sp.)* (4%) Crustose algae (*Lithothamnium sp.*) (2%) Coralline algae (*Corillina officinalis*) (2%)
70-75	15		29:55-31:05	Rubble (40%) Bedrock (20%) Small boulder (20%) Cobble (20%)	Periwinkle (*Littorina sp*.) (A)	Crustose algae *(*non *Lithothamnium sp.)* (8%) Coralline algae (*Corillina officinalis*) (6%) Crustose algae (*Lithothamnium sp.*) (2%) Kelp (*Laminaria longicruris*) (1%) Rock weed (*Fucus sp.*) (1%)
75-80	16		31:05-32:00	Bedrock (30%) Small boulder (30%) Rubble (20%) Cobble (20%)	Periwinkle (*Littorina sp*.) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C) Starfish (*Asterias sp*.) (O)	Coralline algae (*Corillina officinalis*) (6%) Crustose algae *(*non *Lithothamnium sp.)* (6%) Crustose algae (*Lithothamnium sp.*) (3%)
80-85	17		32:00-32:47	Rubble (50%) Small boulder (30%) Bedrock (10%) Cobble (10%)	Periwinkle (*Littorina sp*.) (A)	Crustose algae *(*non *Lithothamnium sp.)* (8%) Coralline algae (*Corillina officinalis*) (3%) Crustose algae (*Lithothamnium sp.*) (2%)
85-90	18		32:47-33:40	Cobble (50%) Small boulder (28%) Bedrock (10%) Rubble (10%) Large boulder (2%)	Periwinkle (*Littorina sp*.) (A)	Crustose algae *(non Lithothamnium sp.)* (5%) Crustose algae (*Lithothamnium sp.*) (1%)
90-95	19		33:40-34:44	Small boulder (30%) Bedrock (20%) Sand (20%) Rubble (20%) Cobble (10%)	Periwinkle (*Littorina sp*.) (A) Hermit crab (*Pagurus sp*.) (U)	Crustose algae *(*non *Lithothamnium sp.)* (5%) Crustose algae (*Lithothamnium sp.*) (3%) Coralline algae (*Corillina officinalis*) (2%)

NC4 to NC5 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
95-100	20	2.5	34:44-35:22	Small boulder (40%) Bedrock (20%) Cobble (20%) Sand (20%)	Periwinkle (*Littorina sp*.) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C)	Crustose algae *(*non *Lithothamnium sp.)* (8%) Crustose algae *(Lithothamnium sp.)* (4%)

NC5 to NC6 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1	2	0:30-1:02	Bedrock (40%) Small boulder (27%) Cobble (20%) Rubble (10%) Large boulder (3%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C)	Coralline algae (*Corillina officinalis*) (5%) Crustose algae *(*non *Lithothamnium sp.)* (3%) Crustose algae *(Lithothamnium sp.)* (4%)
5-10	2		1:02-1:56	Bedrock (40%) Small boulder (35%) Rubble (10%) Gravel (10%) Large boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae *(Lithothamnium sp.)* (6%) Crustose algae *(*non *Lithothamnium sp.)* (4%) Rock weed (*Fucus sp.*) (3%)
10-15	3		1:56-3:10	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (80%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae other than *(Lithothamnium sp.)* (4%) Red Filamentous (3%) Crustose algae *(Lithothamnium sp.)* (2%) Rock weed (*Fucus sp.*) (1%)
15-20	4		3:10-4:01	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (A)	Crustose algae *(*non *Lithothamnium sp.)* (10%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae *(Lithothamnium sp.)* (4%) Rock weed (*Fucus sp.*) (3%)
20-25	5		4:01-4:50	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C) Starfish (*Asterias sp.*) (U)	Crustose algae *(*non *Lithothamnium sp.)* (10%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae *(Lithothamnium sp.)* (4%)
25-30	6		4:50-5:47	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (O)	Crustose algae *(*non *Lithothamnium sp.)* (10%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae *(Lithothamnium sp.)* (4%)

NC5 to NC6 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
30-35	7		5:47-6:34	Bedrock (90%) Cobble (10%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C)	Crustose *(*non *Lithothamnium sp.)* (12%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae *(Lithothamnium sp.)* (4%)
35-40	8		6:34-7:30	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C) Hermit crab (Pagurus sp.) (U) Limpet (Patellogastropoda)(C)	Crustose algae *(*non *Lithothamnium sp.)* (10%) Coralline algae (*Corillina officinalis*) (4%) Crustose algae (*Lithothamnium sp.*) (4%)
40-45	9		7:30-8:30	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C)	Coralline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%) Rock weed (*Fucus sp.*) (2%) Crustose algae *(*non *Lithothamnium sp.)* (2%) Red fern (*Ptilota sp.*) (1%)
45-50	10	2	8:30-9:34	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae *(*non *Lithothamnium sp.)* (15%) Coralline algae (*Corillina officinalis*) (15%) Crustose algae (*Lithothamnium sp.*) (8%) Rock weed (*Fucus sp.*) (4%) Kelp (*Laminaria longicruris*) (1%)
50-55	11		9:34-10:30	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C)	Crustose algae *(*non *Lithothamnium sp.)* (10%) Coralline algae (*Corillina officinalis*) (10%) Crustose algae (*Lithothamnium sp.*) (8%) Rock weed (*Fucus sp.*) (4%)
55-60	12		10:30-11:20	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C) Starfish (*Asterias sp.*) (U) Blue mussel (*Mytilus edulis*) (U) Limpet (Patellogastropoda) (U)	Crustose algae *(*non *Lithothamnium sp.)* (10%) Crustose algae (*Lithothamnium sp.*) (8%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (3%) Kelp (*Laminaria longicruris*) (2%) Rock weed (*Fucus sp.*) (1%)

NC5 to NC6 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
60-65	13		11:20-12:40	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (A) Limpet (Patellogastropoda) (C)	Crustose algae *(*non *Lithothamnium sp.)* (10%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (8%) Sourweed (*Desmarestia sp.*) (5%) Rock weed (*Fucus sp.*) (5%) Kelp (*Laminaria longicruris*) (1%)
65-70	14		12:40-13:36	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Limpet (Patellogastropoda) (C)	Crustose algae (*Lithothamnium sp.*) (8%) Rock weed (*Fucus sp.*) (4%) Sourweed (*Desmarestia sp.*) (2%) Red filamentous algae (Dumontiaceae) (2%) Crustose algae (non *Lithothamnium sp.*) (2%)
70-75	15		13:36-14:55	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C) Limpet (Patellogastropoda) (C)	Sourweed (*Desmarestia sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (8%) Crustose algae (*Lithothamnium sp.*) (8%) Rock weed (*Fucus sp.*) (5%) Red filamentous algae (Dumontiaceae) (3%) Coralline algae (*Corillina officinalis*) (3%)
75-80	16		14:55-16:00	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Limpet (Patellogastropoda) (C) Isopod (Isopoda) (C)	Sourweed (*Desmarestia sp.*) (10%) Rock weed (*Fucus sp.*) (10%) Coralline algae (*Corillina officinalis*) (8%) Red filamentous algae (Dumontiaceae) (3%) Crustose algae (non *Lithothamnium sp.*) (3%) Crustose algae (*Lithothamnium sp.*) (3%)

NC5 to NC6 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
80-85	17		16:00-17:10	Bedrock (90%) Cobble (10%)	Periwinkle (*Littorina sp*.) (A) Limpet (Patellogastropoda) (C) Isopod (Isopoda) (Isopod (Isopoda)a)(C)	Rock weed (*Fucus sp.*) (20%) Sourweed (*Desmarestia sp.*) (15%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%)
85-90	18		17:10-19:12	Bedrock (100%)	Periwinkle (*Littorina sp*.) (A) Limpet (Patellogastropoda) (C) Isopod (Isopoda) (C)	Rock weed (*Fucus sp.*) (30%) Sourweed (*Desmarestia sp.*) (15%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%)
90-95	19		19:12-20:35	Bedrock (100%)	Periwinkle (*Littorina sp*.) (A)	Rock weed (*Fucus sp.*) (30%) Sourweed (*Desmarestia sp.*) (10%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%)
95-100	20	1	20:35-22:30	Bedrock (100%)	Periwinkle (*Littorina sp*.) (A)	Rock weed (*Fucus sp.*) (50%) Sourweed (*Desmarestia sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (4%) Crustose algae (non *Lithothamnium sp.*) (3%) **Storm toss:** Sourweed (*Desmarestia sp.*) (5%)

NC6 to NC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1	0.7	23:25-25:00	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Barnacle (*Balanus sp*.) (C)	Rock weed (*Fucus sp.*) (30%) Sourweed (*Desmarestia sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (10%) Coralline algae (*Corillina officinalis*) (3%) **Note:** Epiphytic growth on sourweed
5-10	2	0.7	25:00-26:24	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (30%) Sourweed (*Desmarestia sp.*) (15%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) **Note:** Epiphytic growth on sourweed
10-15	3	0.7	26:24-27:45	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Barnacle (*Balanus sp*.) (O)	Rock weed (*Fucus sp.*) (35%) Sourweed (*Desmarestia sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) **Note:** Epiphytic growth on sourweed

NC6 to NC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
15-20	4	0.7	27:45-29:28	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (40%) Crustose algae (non *Lithothamnium sp.*) (10%) Sourweed (*Desmarestia sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Red filamentous algae (Dumontiaceae) (3%) **Note:** Epiphytic growth on sourweed
20-25	5	0.7	29:28-30:45	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Barnacle (*Balanus sp*.) (C)	Rock weed (*Fucus sp.*) (15%) Crustose algae (*Lithothamnium sp.*) (15%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%)
25-30	6	0.7	30:45-32:05	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Barnacle (*Balanus sp*.) (C)	Rock weed (*Fucus sp.*) (20%) Crustose algae (*Lithothamnium sp.*) (15%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%)
30-35	7	0.7	32:05-33:10	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Barnacle (*Balanus sp*.) (C)	Rock weed (*Fucus sp.*) (30%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%)
35-40	8	0.7	33:10-34:15	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Barnacle (*Balanus sp*.) (C)	Rock weed (*Fucus sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (10%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%)

NC6 to NC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
40-45	9	0.7	34:15-35:25	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Barnacle (*Balanus sp*.) (C)	Crustose algae (*Lithothamnium sp.*) (10%) Rock weed (*Fucus sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) Green filamentous algae (Arachaeplastida) (1%)
45-50	10	0.7	35:25-36:40	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Barnacle (*Balanus sp*.) (C) Whelk (*Buccinium sp.*) (O) Blue mussel (*Mytilus edulis*) (A)	Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (4%) Crustose algae (non *Lithothamnium sp.*) (3%) Rock weed (*Fucus sp.*) (2%) Green filamentous algae (Arachaeplastida) (1%)
50-55	11	0.7	36:40-38:00	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Blue mussel (*Mytilus edulis*) (A) Rock Crab (*Cancer sp.*) (U – 1 individual)	Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (4%) Crustose algae (non *Lithothamnium sp.*) (1%)
55-60	12	0.7	38:00-39:05	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Barnacle (*Balanus sp*.) (C) Whelk (*Buccinium sp.*) (A) Blue mussel (*Mytilus edulis*) (A)	Green filamentous algae (Arachaeplastida) (3%) Rock weed (*Fucus sp.*) (2%)
60-65	13	0.7	39:05-40:20	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Barnacle (*Balanus sp*.) (C) Whelk (*Buccinium sp.*) (A) Blue mussel (*Mytilus edulis*) (A)	Rock weed (*Fucus sp.*) (8%) Green filamentous algae (Arachaeplastida) (1%) Crustose algae (*Lithothamnium sp.*) (1%)

NC6 to NC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
65-70	14	0.7	40:20-41:40	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Barnacle (*Balanus sp*.) (C) Whelk (*Buccinium sp.*) (O) Blue mussel (*Mytilus edulis*) (C)	Rock weed (*Fucus sp.*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (1%) Green filamentous algae (Arachaeplastida) (1%)
70-75	15	0.7	41:40-43:25	Bedrock (100%)	Periwinkle (*Littorina sp*.) (A) Blue mussel (*Mytilus edulis*) (O)	Rock weed (*Fucus sp.*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (4%)
75-80	16	0.7	43:25-44:45	Bedrock (100%)	Periwinkle (*Littorina sp*.) (A)	Rock weed (*Fucus sp.*) (25%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) Green filamentous algae (Arachaeplastida) (3%)
80-85	17	0.7	44:45-46:00	Bedrock (85%) Cobble (5%)	Periwinkle (*Littorina sp*.) (A) Whelk (*Buccinium sp.*) (U)	Rock weed (*Fucus sp.*) (25%) Crustose algae (non *Lithothamnium sp.*) (15%) Crustose algae (*Lithothamnium sp.*) (12%) Coralline algae (*Corillina officinalis*) (5%)
85-90	18	0.7	46:00-47:36	Bedrock (90%) Cobble (10%)	Periwinkle (*Littorina sp*.) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C) Barnacle (*Balanus sp*.) (C) Whelk (*Buccinium sp.*) (O) Starfish (*Asterias sp.*) (U – 1 Individual)	Rock weed (*Fucus sp.*) (15%) Crustose algae (non *Lithothamnium sp.*) (15%) Coralline algae (*Corillina officinalis*) (12%) Crustose algae (*Lithothamnium sp.*) (5%)

NC6 to NC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
90-95	19	0.7	47:36-48:55	Bedrock (75%) Cobble (10%) Gravel (10%) Small boulder (5%)	Periwinkle (*Littorina sp*.) (A) Blue mussel (*Mytilus edulis*) (O)	Rock weed (*Fucus sp.*) (20%) Crustose algae (non *Lithothamnium sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)
95-100	20	0.7	48:55-50:38	Bedrock (80%) Small boulders (20%) Cobble (5%)	Periwinkle (*Littorina sp*.) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C) Hermit crab (*Parugus sp*.) (U – 1 individual)	Coralline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (1%) **Storm toss:** Sourweed (*Desmarestia sp.*) (1%)

MC1 to MC2 – 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1	11	0:25-1:17	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%)
5-10	2		1:17-2:15	Bedrock (90%) Cobble (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (100%)
10-15	3		2:15-3:15	Bedrock (90%) Cobble (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%)
15-20	4		3:15-4:25	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%)
20-25	5		4:25-5:20	Bedrock (90%) Cobble (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%)
25-30	6		5:20-8:02	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (non *Lithothamnium sp.*) (10%) Sea colander (*Agurum cribosum*) (5%)
30-35	7		8:02-8:54	Bedrock (80%) Cobble (10%) Rubble (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Sea colander (*Agurum cribosum*) (5%)
35-40	8	8	8:54-9:57	Bedrock (100%)	Blue mussel (*Mytilus edulis*) (C)	Kelp (*Laminaria longicruris*) (98%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (1%) **Note:** Epiphytic growth on kelp
40-45	9		9:57-10:50	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (85%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Edible kelp (*Alaria sp.*) (3%) Crustose algae (non *Lithothamnium sp.*) (2%) Red fern (*Ptilota sp.*) (1%)

MC1 to MC2 – 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
						Note: Epiphytic growth on kelp
45-50	10		10:50-12:09	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (non *Lithothamnium sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (3%) **Note:** Epiphytic growth on kelp
50-55	11		12:09-13:05	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (non *Lithothamnium sp.*) (5%) Crustose algae *(Lithothamnium sp.)* (5%) **Note:** Epiphytic growth on kelp
55-60	12		13:05-14:15	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Blue mussel (*Mytilus edulis*) (O)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%)
60-65	13		14:15-15:10	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Blue mussel (*Mytilus edulis*) (C)	Kelp (*Laminaria longicruris*) (95%) Dulse (*Palmaria palmata*) (1%) **Note:** Epiphytic growth on kelp
65-70	14		15:10-16:20	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Blue mussel (*Mytilus edulis*) (C)	Kelp (*Laminaria longicruris*) (98%) Crustose algae (*non Lithothamnium sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)
70-75	15		16:20-17:15	Bedrock (90%) Gravel (10%)	Starfish (*Asterias sp.*) (C) Blue mussel (*Mytilus edulis*) (U)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (non *Lithothamnium sp.*)

MC1 to MC2 – 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
						(5%) Coralline algae (*Corillina officinalis*) (5%) Edible kelp (*Alaria sp.*) (2%) Dulse (*Palmaria palmata*) (1%)
75-80	16		17:15-18:25	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Edible kelp (*Alaria sp.*) (5%) Red fern (*Ptilota sp.*) (3%)
80-85	17		18:25-19:30	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (1%) **Note:** Epiphytic growth on kelp
85-90	18		19:30-20:32	Bedrock (100%)	Starfish (*Asterias sp.*) (O)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (3%)
90-95	19		20:32-21:30	Bedrock (100%)	Starfish (*Asterias sp.*)	Kelp (*Laminaria longicruris*) (98%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (non *Lithothamnium sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (2%) Dulse (*Palmaria palmata*) (1%)
95-100	20	9	21:30-	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (98%)

MC1 to MC2 – 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
			23:10			Coralline algae (*Corillina officinalis*) (8%) Crustose algae (non *Lithothamnium sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (2%)

MC2 to MC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1	9	24:26-24:45	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Blue mussel (*Mytilus edulis)* (C)	Kelp (*Laminaris longicruris*) (98%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (1%)
5-10	2		24:45-25:55	Bedrock (95%) Cobble (5%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (2%) Sea colander (*Agurum cribosum*) (2%) **Note:** Epiphytic growth on kelp
10-15	3		25:55-27:00	Bedrock (95%) Cobble (5%)	Starfish (*Asterias sp.*) (C) Blue mussel (*Mytilus edulis*) (U)	Kelp (*Laminaria longicruris*) (80%) Sea colander (*Agurum cribosum*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (2%)
15-20	4		27:00-28:10	Bedrock (90%) Small boulder (5%) Cobble (5%)	Starfish (*Asterias sp.*) (C) Sea anemone (*Metridium sp.*) (O)	Kelp (*Laminaria longicruris*) (80%) Sea colander (*Agurum cribosum*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (3%)
20-25	5		28:10-29:00	Bedrock (95%) Small boulder (5%)	Starfish (*Asterias sp.*) (C) Blue mussel (*Mytilus edulis*) (C)	Kelp (*Laminaria longicruris*) (80%) Sea colander (*Agurum cribosum*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (3%)

MC2 to MC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
25-30	6		29:00-30:35	Bedrock (95%) Small boulder (5%)	Starfish (*Asterias sp.*) (C) Blue mussel (*Mytilus edulis*) (U)	Kelp (*Laminaria longicruris*) (80%) Sea colander (*Agurum cribosum*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (4%) Crustose algae (non *Lithothamnium sp.*) (5%) **Note:** Epiphytic growth on kelp
30-35	7		30:35-31:44	Bedrock (95%) Cobble (5%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (80%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (4% **Note:** Epiphytic growth on kelp)
35-40	8		31:44-32:45	Bedrock (90%) Small boulder (5%) Cobble (5%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (85%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (3%) Sea colander (*Agurum cribosum*) (3%)
40-45	9		32:45-34:00	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Blue mussel (*Mytilus edulis*) (O) Hermit crab (*Pagurus sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (85%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (3%) Red fern (*Ptilota sp.*) (1%) Edible kelp (*Alaria sp.*) (1%)
45-50	10		34:00-35:10	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Green urchin (*Strongylocentrotus droebachiensis*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (85%) Sea colander (*Agurum cribosum*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (1%)

MC2 to MC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
50-55	11		35:10-36:40	Bedrock (70%) Cobble (20%) Rubble (10%)	Starfish (*Asterias sp.*) (A)	Sea colander (*Agurum cribosum*) (45%) Kelp (*Laminaria longicruris*) (30%) Red fern (*Ptilota sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)
55-60	12		36:40-39:05	Bedrock (70%) Cobble (20%) Rubble (10%)	Starfish (*Asterias sp.*) (C) Wolffish (*Anarhichas sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (60%) Sea colander (*Agurum cribosum*) (30%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (2%)
60-65	13		39:05-40:20	Small boulder (50%) Rubble (30%) Cobble (20%)	Starfish (*Asterias sp.*) (A)	Sea colander (*Agurum cribosum*) (50%) Coralline algae (*Corillina officinalis*) (10%) Kelp (*Laminaria longicruris*) (10%) Crustose algae (*Lithothamnium sp.*) (8%) Red fern (*Ptilota sp.*) (3%)
65-70	14		40:20-41:32	Small boulder (60%) Bedrock (20%) Cobble (20%)	Starfish (*Asterias sp.*) (C) Blue mussel (*Mytilus edulis*) (U – 1 individual)	Sea colander (*Agurum cribosum*) (45%) Coralline algae (*Corillina officinalis*) (10%) Kelp (*Laminaria longicruris*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (2%)
70-75	15		41:32-42:35	Cobble (60%) Small boulder (20%) Rubble (20%)	Starfish (*Asterias sp.*) (A)	Sea colander (*Agurum cribosum*) (40%) Kelp (*Laminaria longicruris*) (30%) Crustose algae (*Lithothamnium sp.*) (8%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (2%)

MC2 to MC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
75-80	16		42:35-43:52	Cobble (80%) Rubble (20%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (75%) Sea colander (*Agurum cribosum*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (2%)
80-85	17		43:52-45:00	Cobble (70%) Rubble (30%)	Starfish (*Asterias sp.*) (A) Blue mussel (*Mytilus edulis*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (75%) Sea colander (*Agurum cribosum*) (70%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (3%)
85-90	18		45:00-46:28	Cobble (60%) Rubble (20%) Bedrock (10%) Small boulder (7%) Sand (3%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Sea colander (*Agurum cribosum*) (5%) Red fern (*Ptilota sp.*) (3%) Sourweed (*Desmarestia sp.*) (1%)
90-95	19		46:28-47:45	Cobble (80%) Small boulder (10%) Gravel (5%) Sand (5%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Sourweed (*Desmarestia sp.*) (1%) Red fern (*Ptilota sp.*) (1%) **Strom toss:** Red fern (*Ptilota sp.*) (2%) **Note:** Epiphytic growth on kelp
95-100	20		47:45-49:05	Bedrock (50%) Cobble (35%) Small boulder (5%) Rubble (5%) Gravel (5%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (93%) Sea colander (*Agurum cribosum*) (4%) Red fern (*Ptilota sp.*) (1%) Edible kelp (*Alaria sp.*) (1%) Sourweed (*Desmarestia sp.*) (1%)

MC3 to MC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1	10	0:25-1:27	Cobble (60%) Rubble (40%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (80%) Sea colander (*Agurum cribosum*) (10%) Sourweed (*Desmarestia sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (1%)
5-10	2		1:27-2:45	Cobble (70%) Rubble (25%) Gravel (3%) Sand (2%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (3%) Red fern (*Ptilota sp.*) (2%) Dulse (*Palmaria palmata*) (1%) **Storm toss:** Red fern (*Ptilota sp.*) (1%) **Note:** Epiphytic growth on kelp
10-15	3		2:45-3:58	Cobble (75%) Small boulder (10%) Gravel (10%) Rubble (5%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Red fern (*Ptilota sp.*) (1%)
15-20	4		3:58-5:40	Rubble (50%) Small boulder (40%) Cobble (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (5%) Sourweed (*Desmarestia sp.*) (1%) **Strom toss:** Kelp (*Laminaria sp.*) (3%) Red fern (*Ptilota sp.*) (2%)

MC3 to MC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
20-25	5		5:40-7:27	Bedrock (60%) Gravel (40%)	Hermit crab (*Pagurus sp.*) (U – 2 individuals)	Kelp (*Laminaria longicruris*) (80%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (2%) **Strom toss**: Kelp (*Laminaria sp.*) (5%) Red fern (*Ptilota sp.*) (2%)
25-30	6		7:27-8:45	Bedrock (40%) Gravel (40%) Cobble (20%)	No Fauna Observed	Kelp (*Laminaria longicruris*) (40%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (1%) **Note:** Epiphytic growth on kelp
30-35	7		8:45-10:30	Cobble (80%) Gravel (20%)	Starfish (*Asterias sp.*) (A) Periwinkles (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (40%) Red fern (*Ptilota sp.*) (10%) Sea colander (*Agurum cribosum*) (6%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) **Note:** Epiphytic growth on kelp
35-40	8		10:30-13:05	Cobble (80%) Rubble (10%) Gravel (10%)	Starfish (*Asterias sp.*) (C) Sponge (*Porifera sp.*) (U – 1 individual) Rock crab (*Cancer sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (85%) Sea colander (*Agurum cribosum*) (5%) Red fern (*Ptilota sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) **Note:** Epiphytic growth on kelp

MC3 to MC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
40-45	9		13:05-15:00	Cobble (70%) Small boulder (10%) Rubble (10%) Sand (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (3%) **Note:** Epiphytic growth on kelp
45-50	10		15:00-16:30	Rubble (60%) Cobble (30%) Small boulder (10%)	Starfish (*Asterias sp.*) (C) Rock crab (*Cancer sp.*) (U – 1 individual) Sea cucumber (*Cucumaria frondosa*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (80%) Red fern (*Ptilota sp.*) (10%) Sea colander (*Agurum cribosum*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (1%) **Note:** Epiphytic growth on kelp
50-55	11	9	16:30-18:20	Rubble (40%) Small boulder (30%) Cobble (30%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (3%) Red fern (*Ptilota sp.*) (2%) **Note:** Epiphytic growth on kelp
55-60	12		18:20-19:40	Rubble (40%) Small boulder (30%) Cobble (30%)	Starfish (*Asterias sp.*) (C) Rock crab (*Cancer sp.*) (U – 1 individual) Blue mussel (*Mytilus edulis*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (4%) Red fern (*Ptilota sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (1%)

MC3 to MC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
60-65	13		19:40-21:00	Gravel (50%) Cobble (30%) Small boulder (10%) Rubble (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (40%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (4%) **Storm toss:** Kelp (*Laminariaip.s*) (4%) Red fern (*Ptilota sp.*) (2%) **Note:** Epiphytic growth on kelp
65-70	14		21:00-22:35	Rubble (60%) Cobble (30%) Small boulder (10%)	Starfish (*Asterias sp.*) (C) Barnacle (*Balanus sp.*) (U – 2 individuals)	Kelp (*Laminaria longicruris*) (50%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (4%) Red fern (*Ptilota sp.*) (3%) **Strom toss:** Red fern (*Ptilota sp.*) (3%) Kelp (*Laminaria sp.*) (3%)
70-75	15		22:35-24:15	Rubble (80%) Cobble (20%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (O)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (4%) Red fern (*Ptilota sp.*) (3%) Crustose algae (non *Lithothamnium sp.*) (3%) **Note:** Epiphytic growth on kelp

MC3 to MC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
75-80	16		24:15-26:20	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (O)	Kelp (*Laminaria longicruris*) (98%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (1%) Sourweed (*Desmarestia sp.*) (1%) **Storm toss:** Red fern (*Ptilota sp.*) (3%) **Note:** Epiphytic growth on kelp
80-85	17		26:20-28:00	Bedrock (90%) Cobble (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (2%) **Note:** Epiphytic growth on kelp
85-90	18		28:00-29:40	Bedrock (100%)	Starfish (*Asterias sp.*) (O) Blue mussel (*Mytilus edulis*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (100%) Coralline algae (*Corillina officinalis*) (6%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%) Red fern (*Ptilota sp.*) (2%)

MC3 to MC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
90-95	19		29:40-31:25	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (C) Blue mussel (*Mytilus edulis*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (1%) **Storm toss:** Red fern (*Ptilota sp.*) (1%)
95-100	20	10	31:25-33:04	Bedrock (100%)	Starfish (*Asterias sp.*) (O)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (1%) **Strom toss:** Red fern (*Ptilota sp.*) (1%) Sea colander (*Agurum cribosum*) (1%)

MC4 to MC5 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1	9	35:19-37:25	Bedrock (100%)	Starfish (*Asterias sp.*) (O)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (4%) Crustose algae (non *Lithothamnium sp.*) (2%) Red fern (*Ptilota sp.*) (1%) **Storm toss:** Red fern (*Ptilota sp.*) (3%) **Note:** Epiphytic growth on kelp
5-10	2		37:25-39:05	Bedrock (100%)	Starfish (*Asterias sp.*) (O)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (2%) Coralline algae (*Corillina officinalis*) (2%) Sourweed (*Desmarestia sp.*) (1%) **Storm toss:** Red fern (*Ptilota sp.*) (1%) Sourweed (*Desmarestia sp.*) (1%)
10-15	3		39:05-40:20	Bedrock (95%) Gravel (5%)	Starfish (*Asterias sp.*) (O) Blue mussel (*Mytilus edulis*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (95%) Coralline algae (5%) Coralline algae (*Corillina officinalis*) (3%) Crustose algae (non *Lithothamnium sp.*) (2%) Red fern (*Ptilota sp.*) (1%) **Storm toss:** Red fern (*Ptilota sp.*) (3%)

MC4 to MC5 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
15-20	4		40:20-41:55	Bedrock (95%) Gravel (5%)	Starfish (*Asterias sp.*) (O) Blue mussel (*Mytilus edulis*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (85%) Crustose algae (non *Lithothamnium sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (1%)
20-25	5		41:55-43:45	Cobble (60%) Bedrock (40%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Sea colander (*Agurum cribosum*) (1%)
25-30	6		43:45-45:35	Bedrock (65%) Small boulder (10%) Cobble (20%) Rubble (5%)	Starfish (*Asterias sp.*) (A) Periwinkles (*Littorina sp.*) (C) Whelk (*Buccinium sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (60%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (4%) Edible kelp (*Alaria sp.*) (2%) Crustose algae (non *Lithothamnium sp.*) (2%) Red fern (*Ptilota sp.*) (1%) Coralline algae (*Corillina officinalis*) (1%) **Note:** Epiphytic growth on kelp
30-35	7		43:35-47:52	Bedrock (100%)	Starfish (*Asterias sp.*) (A) Periwinkles (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (60%) Coralline algae (*Corillina officinalis*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Edible kelp (*Alaria sp.*) (1%) **Note:** Epiphytic growth on kelp

MC4 to MC5 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
35-40	8		47:52-50:33	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (1%) **Note:** Epiphytic growth on kelp
40-45	9		50:33-52:25	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Whelk (*Buccinium sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%)
45-50	10	8	52:25-53:52	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (O)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) **Storm toss:** Red fern (*Ptilota sp.*) (2%)
50-55	11		53:52-56:13	Bedrock (100%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (1%) **Storm toss:** Red fern (*Ptilota sp.*) (2%) Sea colander (*Agurum cribosum*) (2%)
55-60	12		56:13-57:32	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Whelk (*Buccinium sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (2%) Red fern (*Ptilota sp.*) (1%)

MC4 to MC5 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
60-65	13		57:32-59:08	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%)
65-70	14		59:08-1:00:55	Bedrock (100%)	Starfish (*Asterias sp.*) (A) Blue mussel (*Mytilus edulis*) (O)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (1%)
70-75	15		1:00:55-1:02:32	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (O) Whelk (*Buccinium sp.*) (O)	Kelp (*Lamanaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)
75-80	16		1:02:32-4:43	Bedrock (100%)	Starfish (*Asterias sp.*) (A) Blue Mussel (*Mytilus edulis*) (C) Sponge (*Porifera sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (1%) Edible kelp (*Alaria sp.*) (1%)
80-85	17		4:43-6:34	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (O) Blue mussel (*Mytilus edulis*) (O) Sponge (*Porifera sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (100%) Coralline algae (*Corillina officinalis*) (6%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%)
85-90	18		6:34-8:22	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (100%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (1%)
90-95	19		8:22-10:16	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%) Crustose algae (non *Lithothamnium sp.*) (3%)

MC4 to MC5 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
95-100	20	8	10:16-11:40	Bedrock (100%)	Starfish (*Asterias sp.*) (A) Periwinkles (*Littorina sp.*) (O)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (2%)

MC5 to MC6 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		0:20-1:08	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Edible kelp (*Alaria sp.*) (20%) Sourweed (*Desmarestia sp.*) (10%) Coralline algae (*Corillina officinalis*) (8%)
5-10	2		1:08-1:43	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (C)	Edible kelp (*Alaria sp.*) (20%) Sourweed (*Desmarestia sp.*) (10%) Kelp (*Laminaria longicruris*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)
10-15	3		1:43-2:30	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (C)	Edible kelp (*Alaria sp.*) (15%) Kelp (*Laminaria longicruris*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)
15-20	4		2:30:2:56	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (15%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)
20-25	5		2:56-3:36	Small boulder (40%) Large boulder (20%) Rubble (20%) Cobble (10%) Bedrock (10%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (C)	Sea colander (*Agurum cribosum*) (5%) Sourweed (*Desmarestia sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%) **Storm toss:** Sea colander (*Agurum cribosum*) (2%)
25-30	6		3:36-4:02	Small boulder (30%) Bedrock (30%) Large boulder (20%) Rubble (10%) Cobble (10%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (C)	Sourweed (*Desmarestia sp.*) (10%) Sea colander (*Agurum cribosum*) (8%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (2%)

MC5 to MC6 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
30-35	7		4:02-5:00	Small boulder (50%) Cobble (30%) Rubble (10%) Large boulder (10%)	Starfish (*Asterias sp.*) (A) Periwinkles (*Littorina sp.*) (C) Sculpin (*Myoxocephalus sp*) (U – 1 individual)	Sea colander (*Agurum cribosum*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (2%) Sourweed (*Desmarestia sp.*) (2%) Edible kelp (*Alaria sp.*) (2%) **Strom toss:** Kelp (*Laminaria sp.*)(2%)
35-40	8		5:00-5:23	Small boulder (40%) Cobble (40%) Rubble (10%) Bedrock (10%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (A)	Sea colander (*Agurum cribosum*) (15%) Sourweed (*Desmarestia sp.*) (5%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%)
40-45	9		5:23-6:02	Small boulder (40%) Cobble (40%) Rubble (10%) Bedrock (10%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (A)	Sea colander (*Agurum cribosum*) (15%) Sourweed (*Desmarestia sp.*) (5%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%)
45-50	10		6:02-6:36	Small boulder (60%) Cobble (20%) Large boulder (10%) Rubble (5%) Gravel (5%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (A)	Sea colander (*Agurum cribosum*) (15%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%)
50-55	11		6:36-7:32	Small boulder (60%) Large boulder (20%) Rubble (10%) Cobble (10%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (C)	Sea colander (*Agurum cribosum*) (10%) Sourweed (*Desmarestia sp.*) (5%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%)
55-60	12		7:32-8:12	Small boulder (70%) Large boulder (10%) Bedrock (10%) Cobble (10%)	Periwinkles (*Littorina sp.*) (C)	Sea colander (*Agurum cribosum*) (15%) Kelp (*Laminaria longicruris*) (10%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%)

MC5 to MC6 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
60-65	13		8:12-9:00	Large boulder (50%) Small boulder (30%) Bedrock (10%) Cobble (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (40%) Sea colander (*Agurum cribosum*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)
65-70	14		9:00-9:54	Small boulder (50%) Large boulder (20%) Rubble (20%) Cobble (10%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (A) Sculpin (*Myoxocephalus sp*) (U – 1 individual) Hermit crab (*Parugus sp.*) (U – 1 individual) Blue mussel (*Mytilus edulis*) (A) Whelk (*Buccinium sp.*) (U – 1 individual)	Sea colander (*Agurum cribosum*) (20%) Edible kelp (*Alaria sp.*) (5%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Red fern (*Ptilota sp.*) (2%)
70-75	15		9:54-10:41	Small boulder (45%) Cobble (40%) Gravel (10%) Large boulder (5%)	Starfish (*Asterias sp.*) (C) Blue mussel (*Mytilus edulis*) (A)	Sea colander (*Agurum cribosum*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Edible kelp (*Alaria sp.*) (3%) **Storm toss:** Kelp (*Laminaria sp.*) (3%)
75-80	16		10:41-11:12	Cobble (50%) Small boulder (30%) Gravel (10%) Rubble (10%)	Starfish (*Asterias sp.*) (C)	Sea colander (*Agurum cribosum*) (15%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Kelp (*Laminaria longicruris*) (3%)
80-85	17		11:12-12:00	Cobble (60%) Rubble (20%) Small boulder (20%)	Starfish (*Asterias sp.*) (C) Hermit crab (*Parugus sp.*) (U – 1 individual) Whelk (*Buccinium sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (30%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (5%) **Storm toss:** Sea colander (*Agurum cribosum*) (3%)

MC5 to MC6 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
85-90	18		12:00-12:40	Cobble (80%) Rubble (10%) Small boulder (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (30%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (5%) Sourweed (*Desmarestia sp.*) (3%) **Strom toss:** Sea colander (*Agurum cribosum*) (3%)
90-95	19		12:40-13:56	Cobble (90%) Rubble (10%)	Starfish (*Asterias sp.*) (C) Rock crab (*Cancer sp.*) (u – 1 individual)	Kelp (*Laminaria longicruris*) (40%) Crustose algae (*Lithothamnium sp.*) (2%) Sea colander (*Agurum cribosum*) (5%) **Strom toss:** Sea colander (*Agurum cribosum*) (3%)
95-100	20	8	13:56-	Rubble (40%) Small boulder (30%) Gravel (20%) Cobble (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (60%) Sea colander (*Agurum cribosum*) (10%) Coralline algae (5%) Sourweed (*Desmarestia sp.*) (3%) **Strom toss:** Sea colander (*Agurum cribosum*) (3%)

MC6 to MC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1	8	15:47-16:16	Small boulder (50%) Gravel (30%) Large boulder (10%) Cobble (10%)	Rock crab (*Cancer sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (70%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (3%) Sourweed (*Desmarestia sp.*) (3%)
5-10	2		16:16-17:05	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Green urchin (*Strongylocentrotus dreobachiensis*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (85%) Sea colander (*Agurum cribosum*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Sourweed (*Desmarestia sp.*) (3%) Red fern (*Ptilota sp.*) (2%)
10-15	3		17:05-17:53	Cobble (40%) Gravel (30%) Small boulder (30%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (40%) Sea colander (*Agurum cribosum*) (20%) Crustose algae (*Lithothamnium sp.*) (5%)
15-20	4		17:53-19:00	Small boulder (60%) Rubble (20%) Cobble (20%)	Starfish (*Asterias sp.*) (C) Hermit crab (*Parugus sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (60%) Sea colander (*Agurum cribosum*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Sourweed (*Desmarestia sp.*) (5%) Red fern (*Ptilota sp.*) (3%)
20-25	5		19:00-20:30	Rubble (60%) Cobble (20%) Gravel (20%)	Starfish (*Asterias sp.*) (C) Sea cucumber (*Cucmeria frondosa*) (U – 1 individual)	Kelp (*Laminaria longicruris*) Sea colander (*Agurum cribosum*) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*)
25-30	6		20:30-21:30	Gravel (40%) Cobble (30%) Rubble (30%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littornia sp.*) (C)	Kelp (*Laminaria longicruris*) (70%) Sea colander (*Agurum cribosum*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Red fern (*Ptilota sp.*) (3%)
30-35	7		21:30-22:53	Rubble (60%) Small boulder (20%) Gravel (20%) Cobble (10%)	Starfish (*Asterias sp.*) (C) Brittle Star (*Ophiuroidea*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (30%) Sea colander (*Agurum cribosum*) (3%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (3%) Sourweed (*Desmarestia sp.*) (2%)

MC6 to MC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
35-40	8		22:53-23:54	Rubble (50%) Cobble (20%) Gravel (10%) Sand (10%) Small boulder (10%)	Starfish (*Asterias sp.*) (C) Rock crab (*Cancer sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (60%) Sea colander (*Agurum cribosum*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Red Tube Weed (4%)
40-45	9		23:54-25:11	Cobble (80%) Small boulder (10%) Rubble (10%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littornia sp.*) (C) Hermit crab (*Parugus sp*) (U – 1 individual) Blue mussel (*Mytilus edulis*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (70%) Sea colander (*Agurum cribosum*) (3%) Sourweed (*Desmarestia sp.*) (2%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (2%)
45-50	10		25:11-28:27	Cobble (80%) Rubble (20%)	Starfish (*Asterias sp.*) (C) Rock crab (*Cancer sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (70%) Sea colander (*Agurum cribosum*) (5%) Sourweed (*Desmarestia sp.*) (2%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (1%)
50-55	11	6	28:27-29:10	Cobble (80%) Rubble (15%) Small boulder (5%)	Starfish (*Asterias sp.*) (C) Hermit crab (*Parugus sp*) (U – 1 individual)	Kelp (Laminaria longicruris) (30%) Sea colander (*Agurum cribosum*) (10%) Crustose algae (*Lithothamnium sp.*) (5%)
55-60	12		29:10-31:10	Cobble (60%) Rubble (30%) Gravel (10%)	Starfish (*Asterias sp.*) (C)	Kelp (Laminaria longicruris) (30%) Sea colander (*Agurum cribosum*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Sourweed (*Desmarestia sp.*) (3%)
60-65	13		31:10-31:41	Cobble (90%) Rubble (10%)	No fauna observed	Kelp (*Laminaria longicruris*) (15%) Sea colander (*Agurum cribosum*) (10%) Sourweed (*Desmarestia sp.*) (3%) Crustose algae (*Lithothamnium sp.*) (5%)
65-70	14		31:41-32:40	Cobble (90%) Small boulder (5%) Rubble (5%)	Starfish (*Asterias sp.*) (O) Rock crab (*Cancer sp.*) (U – 1 individual)	Kelp (*Laminaria longicrusis*) (15%) Crustose algae (*Lithothamnium sp.*) (5%) Sourweed (*Desmarestia sp.*) (2%)
70-75	15		32:40-	Cobble (90%)	Hermit crab (*Parugus sp*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (10%)

MC6 to MC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
			33:22	Small boulder (5%) Rubble (5%)		Sea colander (*Agurum cribosum*) (10%) Sourweed (*Desmarestia sp.*) (4%) Crustose algae (*Lithothamnium sp.*) (5%)
75-80	16		33:22-34:00	Cobble (90%) Small boulder (5%) Rubble (5%)	Starfish (*Asterias sp.*) (O)	Kelp (*Laminaria longicruris*) (10%) Sea colander (*Agurum cribosum*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (3%)
80-85	17		34:00-35:00	Cobble (78%) Small boulder (10%) Rubble (2%)	Starfish (*Asterias sp.*) (O)	Kelp (*Laminaria longicruris*) (20%) Sea colander (*Agurum cribosum*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (2%)
85-90	18		35:00-36:00	Cobble (78%) Small boulder (20%) Rubble (2%)	Starfish (*Asterias sp.*) (O) Green urchin (*Strongylocentrotus dreobachiensis*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (30%) Sea colander (*Agurum cribosum*) (10%) Red fern (*Ptilota sp.*) (1%)
90-95	19		36:00-37:00	Cobble (90%) Rubble (5%) Small boulder (5%)	Starfish (*Asterias sp.*) (C) Perwinkles (*Littorina sp.*) (U)	Kelp (*Laminaria longicruris*) (25%) Sea colander (*Agurum cribosum*) (5%) Sourweed (*Desmarestia sp.*) (3%) Red fern (*Ptilota sp.*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (3%)
95-100	20	6	37:00-	Cobble (50%) Rubble (40%) Small boulder (5%) Gravel (5%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (20%) Sea colander (*Agurum cribosum*) (10%) Red fern (*Ptilota sp.*) (1%) **Storm toss:** Red fern (*Ptilota sp.*) (3%)

MC7 to MC8 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		0:00-1:03	Cobble (70%) Small boulder (20%) Rubble (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (30%) Sea colander (*Agurum cribosum*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (5%)
5-10	2		1:03-2:03	Cobble (70%) Small boulder (20%) Rubble (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (60%) Sea colander (*Agurum cribosum*) (20%) Crustose algae (*Lithothamnium sp.*) (5%)
10-15	3		2:03-2:48	Cobble (80%) Small boulder (10%) Rubble (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) Sea colander (*Agurum cribosum*) (20%) Coralline algae (5%) Edible kelp (*Alaria sp.*) (3%)
15-20	4		2:48-3:36	Cobble (65%) Small boulder (20%) Rubble (15%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (O)	Kelp (*Laminaria longicruris*) (20%) Sea colander (*Agurum cribosum*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Sourweed *(Desmarestia sp.)* (3%)
20-25	5		3:36-4:30	Cobble (65%) Small boulder (20%) Rubble (15%)	Starfish (*Asterias sp.*) (O)	Kelp (*Laminaria longicruris*) (15%) Sea colander (*Agurum cribosum*) (15%) Sourweed *(Desmarestia sp.)* (3%) Crustose algae (*Lithothamnium sp.*) (5%)
25-30	6		4:30-5:22	Rubble (50%) Cobble (40%) Small boulder (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (15%) Sea colander (*Agurum cribosum*) (10%) Sourweed *(Desmarestia sp.)* (8%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (5%)
30-35	7		5:22-6:30	Cobble (55%) Rubble (40%) Gravel (5%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (C) Blue mussel (*Mytilus edulis*) (U-1 individual)	Kelp (*Laminaria longicruris*) (15%) Sea colander (*Agurum cribosum*) (10%) Crustose algae (*Lithothamnium sp.*) (5%)

MC7 to MC8 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
35-40	8		6:30-7:05	Cobble (75%) Rubble (20%) Gravel (5%)	Starfish (*Asterias sp.*) (O)	Kelp (*Laminaria longicruris*) (15%) Sea colander (*Agurum cribosum*) (5%) Sourweed *(Desmarestia sp.)* (5%0 Crustose algae (*Lithothamnium sp.*) (5%)
40-45	9		7:05-7:45	Rubble (60%) Cobble (20%) Small boulder (20%)	Starfish (*Asterias sp.*) (O)	Kelp (*Laminaria longicruris*) (15%) Sea colander (*Agurum cribosum*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (15%)
45-50	10		7:45-8:30	Cobble (50%) Rubble (40%) Gravel (10%)	Starfish (*Asterias sp.*) (O)	Kelp (*Laminaria longicruris*) (10%) Sea colander (*Agurum cribosum*) (10%) Sourweed *(Desmarestia sp.)* (10%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (5%)
50-55	11	7	8:30-9:30	Cobble (40%) Rubble (40%) Small boulder (20%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (U) Rock crab (*Cancer sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (40%) Sea colander (*Agurum cribosum*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (5%)
55-60	12		9:30-10:15	Small boulder (60%) Rubble (30%) Cobble (10%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (30%) Sea colander (*Agurum cribosum*) (15%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (5%)

MC7 to MC8 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
60-65	13		10:15-11:00	Small boulder (65%) Cobble (25%) Rubble (5%) Large boulder (5%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (30%) Sea colander (*Agurum cribosum*) (15%) Crustose algae (*Lithothamnium sp.*) (5%) Sourweed *(Desmarestia sp.)* (3%) Red fern (*Ptilota sp.*) (1%)
65-70	14		11:00-11:44	Small boulder (70%) Cobble (15%) Rubble (10%) Large boulder (5%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (C)	Sea colander (*Agurum cribosum*) (25%) Kelp (*Laminaria longicruris*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) **Note:** Epiphytic growth on kelp
70-75	15		11:44-12:26	Small boulder (60%) Gravel (20%) Cobble (10%) Large boulder (10%)	Periwinkles (*Littorina sp.*) (C) Green urchin *(Strongylocentrotus dreobachiensis)* (C)	Sea colander (*Agurum cribosum*) (10%) Sourweed *(Desmarestia sp.)* (4%) Crustose algae (*Lithothamnium sp.*) (5%)
75-80	16		12:26-13:05	Cobble (60%) Small boulder (25%) Rubble (10%) Large boulder (5%)	Periwinkles (*Littorina sp.*) (C)	Sea colander (*Agurum cribosum*) (10%) Kelp (*Laminaria longicruris*) (1%) Crustose algae (*Lithothamnium sp.*) (3%)
80-85	17		13:05-13:57	Smal Boulder (60%) Large boulder (30%) Rubble (5%) Cobble (5%)	Periwinkles (*Littorina sp.*) (C) Rock crab (*Cancer sp.*) (U – 1 individual) Green urchin *(Strongylocentrotus dreobachiensis)* (U – 1 individual)	Sea colander (*Agurum cribosum*) (15%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)
85-90	18		13:57-14:43	Bedrock (90%) Small boulder (10%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (20%) Sea colander (*Agurum cribosum*) (20%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%)
90-95	19		14:43-15:27	Bedrock (100%)	Periwinkles (*Littorina sp.*) (C) Rock crab (*Cancer sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (40%) Sourweed (*Desmarestia sp.)* (5%) Corilline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%)

MC7 to MC8 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
95-100	20	5	15:27-16:05	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (40%) Red fern (*Ptilota sp.*) (5%) Corilline algae (*Corillina officinalis*) (8%) Crustose algae (*Lithothamnium sp.*) (5%)

MC8 to MC9 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1	5	17:05-17:30	Bedrock (100%)	Periwinkles (*Littorina sp.*) (A) Rock crab (*Cancer sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (80%) Sourweed (*Desmarestia sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) 5%)
5-10	2		17:30-118:10	Bedrock (100%)	Periwinkles (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (60%) Sourweed (*Desmarestia sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (5%)
10-15	3		18:10-18:48	Bedrock (100%)	Periwinkles (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (30%) Sourweed (*Desmarestia sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (10%) **Storm toss:** Kelp (*Laminaria sp.*) (5%)
15-20	4		18:48-19:28	Bedrock (90%) Cobble (10%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (10%) Crustose algae (non *Lithothamnium sp.*) (10%) Sourweed (5%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)
20-25	5		19:28-20:00	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (2%) Coralline algae (*Corillina officinalis*) (10%)

MC8 to MC9 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
25-30	6		20:00-20:40	Bedrock (100%)	Periwinkles (*Littorina sp.*) (A) Blue Mussel (*Mytilus edulis*) (U – 1 individual)	Coralline algae (*Corillina officinalis*) (15%) Crustose algae (non *Lithothamnium sp.*) (3%) Crustose algae (*Lithothamnium sp.*) (2%) Sourweed (*Desmarestia sp.*) (2%)
30-35	7		20:40-21:23	Bedrock (100%)	Periwinkles (*Littorina sp.*) (A) Blue Mussel (*Mytilus edulis*) (C)	Coralline algae (*Corillina officinalis*) (15%) Crustose algae (*Lithothamnium sp.*) (5%)
35-40	8		21:23-22:00	Bedrock (100%)	Starfish (*Asterias sp.*) (C) Periwinkles (*Littorina sp.*) (A)	Coralline algae (*Corillina officinalis*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (3%)
40-45	9		22:00-22:43	Bedrock (100%)	Periwinkles (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (C)	Coralline algae (*Corillina officinalis*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Sourweed (*Desmarestia sp.*) (3%) Chord weed (*Chorda sp.*) (1%)
45-50	10		22:43-23:38	Bedrock (97%) Sand (3%)	Periwinkles (*Littorina sp.*) (A) Blue Mussel (*Mytilus edulis*) (U – 1 individual)	Coralline algae (*Corillina officinalis*) (20%) Sourweed (*Desmarestia sp.*) (5%)
50-55	11	4	23:38-24:50	Bedrock (100%)	Periwinkles (A) Blue Mussel (*Mytilus edulis*) (O)	Coralline algae (*Corillina officinalis*) (20%) Coralline algae (5%) Sourweed (*Desmarestia sp.*) (5%)
55-60	12		24:50-25:28	Bedrock (100%)	Periwinkles (*Littorina sp.*) (A) Blue Mussel (*Mytilus edulis*) (U – 1 individual)	Coralline algae (*Corillina officinalis*) (20%) Sourweed (*Desmarestia sp.*) (5%)

MC8 to MC9 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
60-65	13		25:28-26:12	Bedrock (100%)	Periwinkles (*Littorina sp.*) (A) Blue Mussel (*Mytilus edulis*) (C)	Coralline algae (*Corillina officinalis*) (15%) Crustose algae (*Lithothamnium sp.*) (5%) Sourweed (*Desmarestia sp.*) (5%) Sea colander (*Agurum cribosum*) (2%) Chord weed (*Chorda sp.*) (1%)
65-70	14		26:12-26:55	Bedrock (60%) Small boulder (25%) Large boulder (5%) Rubble (5%) Cobble (5%)	Periwinkles (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (C)	Sourweed (*Desmarestia sp.*) (5%) Sea colander (*Agurum cribosum*) (2%)
70-75	15		26:55-27:37	Bedrock (100%)	Periwinkles (*Littorina sp.*) (A) Rock crab (*Cancer sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (2%) Sea colander (*Agurum cribosum*) (5%) Sourweed (*Desmarestia sp.*) (5%) Chord weed (*Chorda sp.*) (1%)
75-80	16		27:37-28:30	Bedrock (80%) Small boulder (18%) Large boulder (2%)	Periwinkles (*Littorina sp.*) (A)	Sea colander (*Agurum cribosum*) (3%) Sourweed (*Desmarestia sp.*) (3%) Chord weed (*Chorda sp.*) (1%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (2%) Crustose algae (*Lithothamnium sp.*) (1%)
80-85	17		28:30-29:23	Bedrock (95%) Small boulder (5%)	Periwinkles (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (10%) Sourweed (*Desmarestia sp.*) (5%) Rock weed (*Fucus sp.*) (2%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (20%)
85-90	18		29:23-30:13	Bedrock (100%)	Periwinkles (*Littorina sp.*) (C) Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%) Sourweed (*Desmarestia sp.*) (2%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)

MC8 to MC9 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
90-95	19		30:13-31:18	Bedrock (100%)	Periwinkles (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) `(5%) Coralline algae (*Corillina officinalis*) (5%)
95-100	20	3	31:18-32:00	Bedrock (100%)	Periwinkles (*Littorina sp.*) (C) Starfish (*Asterias sp.*) (O) Blue Mussel (*Mytilus edulis*) (U – 1 individual) Rock crab (U – 1 individual)	Kelp (*Laminaria longicruris*) (95%) Coralline algae (*Corillina officinalis*) (10%) Crustose algae (*Lithothamnium sp.*) (5%)

SC1 to SC2 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		0:00-1:00	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (100%)
5-10	2		1:00-1:20	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (100%)
10-15	3		1:20-2:14	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (100%)
15-20	4		214-3:05	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (3%)
20-25	5		3:05-3:20	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (non *Lithothamnium sp.*) (5%)
25-30	6		3:20-4:10	Bedrock (100%)	Starfish (*Asterias sp.*) (O)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (5%)
30-35	7		4:10-4:49	Bedrock (92%) Gravel (5%) Rubble (3%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Red fern (*Ptilota sp.*) (3%)
35-40	8		4:49-5:43	Bedrock (90%) Gravel (10%)	No fauna observed	Kelp (*Laminaria longicruris*) (80%) Crustose algae (*Lithothamnium sp.*) (10%) Sea colander (*Agurum cribosum*) (5%) Red fern (*Ptilota sp.*) (3%)
40-45	9		5:43-6:20	Bedrock (60%) Gravel (15%) Cobble (10%) Rubble (5%) Large boulder (5%) Small boulder (5%)	No fauna observed	Kelp (*Laminaria longicruris*) (60%) Crustose algae (*Lithothamnium sp.*) (10%) Sea colander (*Agurum cribosum*) (10%) Green filamentous algae (Arachaeplastida) (2%)

SC1 to SC2 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
45-50	10		6:20-7:07	Bedrock (50%) Large boulder (20%) Rubble (10%) Cobble (10%) Gravel (10%)	Starfish (*Asterias sp.*) (C)	Sea colander (*Agurum cribosum*) (40%) Crustose algae (*Lithothamnium sp.*) (10%) Coralline algae (*Corillina officinalis*) (4%) Red fern (*Ptilota sp.*) (3%) Rock weed (*Fucus sp.*) (3%) Green filamentous algae (Arachaeplastida) (2%)
50-55	11		7:07-7:53	Small boulder (40%) Bedrock (20%) Rubble (20%) Cobble (10%) Large boulder (10%)	Starfish (*Asterias sp.*) (O) Sponge (*Porifera sp.*) (U – 4 individuals)	Sea colander (*Agurum cribosum*) (30%) Crustose algae (*Lithothamnium sp.*) (4%) Kelp (*Laminaria longicruris*) (2%) Crustose algae (non *Lithothamnium sp.*) (2%) Green filamentous algae (Arachaeplastida) (2%)
55-60	12		7:53-8:47	Cobble (30%) Large boulder (20%) Bedrock (15%) Small boulder (10%) Gravel (10%) Sand (10%) Rubble (5%)	Starfish (*Asterias sp.*) (U – 2 individuals)	Sea colander (*Agurum cribosum*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (3%) Crustose algae (non *Lithothamnium sp.*) (2%) Green filamentous algae (Arachaeplastida) (2%)
60-65	13		8:47-9:36	Bedrock (30%) Gravel (20%) Small boulder (20%) Large boulder (10%) Cobble (10%) Rubble (10%)	No fauna observed	Sea colander (*Agurum cribosum*) (15%) Crustose algae (non *Lithothamnium sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (3%) Coralline algae (*Corillina officinalis*) (3%) Green filamentous algae (Arachaeplastida) (3%) **Storm toss:** Kelp (*Laminaria longicruris*) (2%)

SC1 to SC2 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
65-70	14		9:36-10:16	Gravel (60%) Small boulder (25%) Large boulder (5%) Cobble (5%) Rubble (5%)	No fauna observed	Sea colander (*Agurum cribosum*) (5%) Red fern (*Ptilota sp.*) (4%) Green filamentous algae (Arachaeplastida) (4%)
70-75	15		10:16-11:18	Small boulder (40%) Gravel (40%) Cobble (10%) Rubble (10%)	Starfish (*Asterias sp.*) (C)	Green filamentous algae (Arachaeplastida) (20%) Sea colander (*Agurum cribosum*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (4%) Rockweed (*Fucus sp.*) (3%) Crustose algae (non *Lithothamnium sp.*) (3%) Red fern (*Ptilota sp.*) (2%)
75-80	16		11:18-12:09	Small boulder (50%) Gravel (30%) Rubble (10%) Large boulder (10%)	No fauna observed	Sea colander (*Agurum cribosum*) (10%) Green filamentous algae (Arachaeplastida) (10%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%)
80-85	17		12:09-12:58	Small boulder (50%) Large boulder (20%) Rubble (10%) Cobble (10%) Gravel (10%)	No fauna observed	Sea colander (*Agurum cribosum*) (10%) Green filamentous algae (Arachaeplastida) (8%) Kelp (*Laminaria longicruris*) (5%) Coralline algae (*Corillina officinalis*) (5%) Coralline algae (3%)
85-90	18		12:58-13:34	Small boulder (50%) Bedrock (20%) Cobble (20%) Rubble (10%)	No fauna observed	Sea colander (*Agurum cribosum*) (10%) Coralline algae (*Corillina officinalis*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Green filamentous algae (Arachaeplastida) (5%) Red fern (*Ptilota sp.*) (2%)

SC1 to SC2 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
90-95	19		13:34-14:20	Small boulder (45%) Rubble (30%) Gravel (15%) Cobble (10%)	No fauna observed	Sea colander (*Agurum cribosum*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Green filamentous algae (Arachaeplastida) (4%) Crustose algae (non *Lithothamnium sp.*) (3%) Sourweed (*Desmarestia sp.*) (3%)
95-100	20		14:20-	Small boulder (45%) Gravel (30%) Cobble (15%) Rubble (10%)	Starfish (*Asterias sp.*) (O)	Sea colander (*Agurum cribosum*) (35%) Coralline algae (*Corillina officinalis*) (8%) Red fern (*Ptilota sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%) Green filamentous algae (Arachaeplastida) (3%)

SC2 to SC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1	9.	16:20-17:20	Rubble (40%) Gravel (30%) Small boulder (17%) Cobble (10%) Large boulder (3%)	Rock crab (*Cancer sp.*) (O – 1 individual)	Sea colander (*Agurum cribosum*) (40%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)
5-10	2		17:20-18:08	Rubble (40%) Gravel (30%) Small boulder (20%) Cobble (10%)	Starfish (*Asterias sp.*) (U)	Sea colander (*Agurum cribosum*) (40%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Kelp (*Laminaria longicruris*) (1%)
10-15	3		18:08-18:49	Cobble (40%) Rubble (30%) Small boulder (18%) Gravel (10%) Large boulder (2%)	No fauna observed	Sea colander (*Agurum cribosum*) (40%) Kelp (*Laminaria longicruris*) (6%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (2%)
15-20	4		18:49-19:35	Cobble (60%) Small boulder (15%) Gravel (15%) Rubble (5%) Large boulder (5%)	Starfish (*Asterias sp.*) (O)	Sea colander (*Agurum cribosum*) (35%) Kelp (*Laminaria longicruris*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (2%) Sourweed (*Desmarestia sp.*) (2%)
20-25	5		19:35-20:33	Small boulder (30%) Gravel (30%) Cobble (20%) Rubble (10%) Bedrock (10%)	Starfish (*Asterias sp.*) (O)	Sea colander (*Agurum cribosum*) (45%) Kelp (*Laminaria longicruris*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (2%) Sourweed (*Desmarestia sp.*) (1%)
25-30	6		20:33-21:32	Gravel (40%) Cobble (30%) Bedrock (30%)	No fauna observed	Kelp (*Laminaria longicruris*) (45%) Sea colander (*Agurum cribosum*) (40%) Red fern (*Ptilota sp.*) (2%)
30-35	7		21:32-22:27	Gravel (70%) Small boulder (20%) Cobble (10%)	No fauna observed	Sea colander (*Agurum cribosum*) (50%) Kelp (*Laminaria longicruris*) (40%) Coralline algae (*Corillina officinalis*) (5%)

SC2 to SC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
35-40	8		22:27-23:19	Gravel (90%) Cobble (10%)	No fauna observed	Sea colander (*Agurum cribosum*) (45%) Kelp (*Laminaria longicruris*) (25%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (3%) Sourweed (*Desmarestia sp.*) (3%)
40-45	9		23:19-24:00	Rubble (35%) Gravel (15%) Small boulder (30%) Cobble (20%)	Starfish (*Asterias sp.*) (O)	Sea colander (*Agurum cribosum*) (20%) Kelp (*Laminaria longicruris*) (5%) Green filamentous algae (Arachaeplastida) (5%) Red fern (*Ptilota sp.*) (4%) Coralline algae (*Corillina officinalis*) (3%)
45-50	10		24:00-24:58	Rubble (55%) Gravel (20%) Cobble (20%) Small boulder (5%)	No fauna observed	Sea colander (*Agurum cribosum*) (30%) Kelp (*Laminaria longicruris*) (10%) Red fern (*Ptilota sp.*) (3%)
50-55	11		24:58-27:15	Cobble (60%) Small boulder (25%) Large boulder (5%) Rubble (5%) Gravel (5%)	Starfish (*Asterias sp.*) (O – 3 individuals) Sponge (*Porifera sp.*) (U – 1 individual)	Sea colander (*Agurum cribosum*) (20%) Red fern (*Ptilota sp.*) (3%) Crustose algae (*Lithothamnium sp.*) (2%) Green filamentous algae (Arachaeplastida) (1%) Sea Lettuce (*Ulva sp.*) (1%)
55-60	12		27:15-27:54	Cobble (90%) Gravel (10%)	Rock crab (*Cancer sp.*) (O – 1 individual)	Sourweed (*Desmarestia sp.*) (10%) Red fern (*Ptilota sp.*) (6%) Green filamentous algae (Arachaeplastida) (3%) **Storm toss:** Red fern (*Ptilota sp.*) (?%) Sourweed (*Desmarestia sp.*) (?%)

SC2 to SC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
60-65	13		27:54-28:51	Bedrock (60%) Cobble (30%) Gravel (10%)	Starfish (*Asterias sp.*) (O – 2 individuals)	Kelp (*Laminaria longicruris*) (3%) Brown filamentous algae (Phaeophyceae) (10%) **Storm toss:** Red fern (*Ptilota sp.*)
65-70	14		28:51-29:52	Bedrock (70%) Cobble (30%) Gravel (10%) Rubble (5%)	No fauna observed	Brown filamentous algae (Phaeophyceae) (15%) Sourweed (*Desmarestia sp.*) (10%) Edible kelp (*Alaria sp.*) (10%)
70-75	15		29:52-30:52	Bedrock (100%)	Starfish (*Asterias sp.*) (A)	Edible kelp (*Alaria sp.*) (40%) Coralline algae (*Corillina officinalis*) (5%)
75-80	16		30:52-31:47	Bedrock (100%)	Starfish (*Asterias sp.*) (A)	Edible kelp (*Alaria sp.*) (45%) Kelp (*Laminaria longicruris*) (4%) Coralline algae (*Corillina officinalis*) (3%) Sourweed (*Desmarestia sp.*) (3%)
80-85	17		31:47-33:05	Bedrock (100%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (90%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%)
85-90	18		33:05-35:13	Bedrock (100%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (100%) Crustose algae (*Lithothamnium sp.*) (10%) Coralline algae (*Corillina officinalis*) (3%) Crustose algae (non *Lithothamnium sp.*) (3%)
90-95	19		35:13-36:00	Bedrock (100%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (90%) Edible kelp (*Alaria sp.*) (5%) Brown filamentous algae (Phaeophyceae)(3%)

SC2 to SC3 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
95-100	20		36:00-37:00	Bedrock (55%) Gravel (20%) Small boulder (15%) Cobble (10%)	Starfish (*Asterias sp.*) (A)	Sourweed (*Desmarestia sp.*) (30%) Kelp (*Laminaria longicruris*) (15%) Coralline algae (*Corillina officinalis*) (5%) Edible kelp (*Alaria sp.*) (5%)

SC3 to SC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		0:00-2:40	Bedrock (100%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%) **Note:** Kelp is approximately 2m in height **Note:** Epiphytic growth on kelp
5-10	2		2:40-3:17	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (80%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (3%) **Note:** Kelp is approximately 1m in height
10-15	3		3:17-3:38	Bedrock (100%)	No fauna observed	Sea colander (*Agurum cribosum*) (20%) Brown filamentous algae (Phaeophyceae) (4%) Red fern (*Ptilota sp.*) (3%) Kelp (*Laminaria longicruris*) (2%)
15-20	4		3:38-4:03	Bedrock (90%) Gravel (10%)	Starfish (*Asterias sp.*) (A)	Brown filamentous algae (Phaeophyceae) (5%)
20-25	5		4:03-4:24	Bedrock (85%) Gravel (15%)	Rock crab (*Cancer sp.*) (O – 1 individual)	Sea colander (*Agurum cribosum*) (5%) Brown filamentous algae (Phaeophyceae)(5%) Coralline algae (*Corillina officinalis*) (3%)

SC3 to SC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
25-30	6		4:24-4:51	Large boulder (35%) Bedrock (30%) Small boulder (15%) Gravel (10%) Cobble (10%)	Starfish (*Asterias sp.*) (C)	Sea colander (*Agurum cribosum*) (15%) Kelp (*Laminaria longicruris*) (6%) Crustose algae (*Lithothamnium sp.*) (6%) Coralline algae (*Corillina officinalis*) (5%)
30-35	7		4:51-5:29	Large boulder (40%) Small boulder (20%) Rubble (20%) Cobble (20%)	Starfish (*Asterias sp.*) (A)	Sea colander (*Agurum cribosum*) (10%) Brown filamentous algae (Phaeophyceae) (8%) Coralline algae (*Corillina officinalis*) (6%)
45-50	10		5:29-5:46	Large boulder (50%) Small boulder (20%) Rubble (20%) Cobble (10%)	No fauna observed	Brown filamentous algae (Phaeophyceae) (5%)
50-55	11		5:46-6:00	Large boulder (40%) Small boulder (30%) Rubble (20%) Cobble (10%)	Rock crab (*Cancer sp.*) (O – 1 individual)	Sea colander (*Agurum cribosum*) (10%) Brown filamentous algae (Phaeophyceae)(3%)
55-60	12		6:00-6:36	Small boulder (60%) Large boulder (10%) Rubble (20%) Cobble (10%)	Starfish (*Asterias sp.*) (O – 1 individual) Rock crab (*Cancer sp.*) (O – 1 individual)	Sea colander (*Agurum cribosum*) (3%) Red fern (*Ptilota sp.*) (3%) Sourweed (*Desmarestia sp.*) (2%) Brown filamentous algae (Phaeophyceae) (2%) Edible kelp (*Alaria sp.*) (1%)
60-65	13		6:36-6:52	Small boulder (50%) Cobble (25%) Large boulder (10%) Gravel (8%) Rubble (7%)	No fauna observed	Brown filamentous algae (Phaeophyceae)(10%)

SC3 to SC4 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
65-70	14		6:52-7:20	Small boulder (45%) Rubble (30%) Cobble (15%) Large boulder (10%)	No fauna observed	Brown filamentous algae (Phaeophyceae) (10%) Sea colander (*Agurum cribosum*) (4%) Kelp (*Laminaria longicruris*) (3%)
70-75	15		7:20-7:38	Small boulder (60%) Rubble (35%) Cobble (5%)	Starfish (*Asterias sp.*) (C)	Brown filamentous algae (Phaeophyceae) (15%)
75-80	16		7:38-8:07	Small boulder (60%) Rubble (35%) Cobble (5%)	No fauna observed	Brown filamentous algae (Phaeophyceae) (15%) Sea colander (*Agurum cribosum*) (5%) Coralline algae (*Corillina officinalis*) (2%)
80-85	17		8:07-8:23	Small boulder (40%) Rubble (50%) Cobble (10%)	No fauna observed	Crustose algae (non *Lithothamnium sp.*) (10%) Sea colander (*Agurum cribosum*) (3%)
85-90	18		8:23-8:42	Cobble (65%) Gravel (20%) Rubble (10%) Bedrock (5%)	Starfish (*Asterias sp.*) (C)	Brown filamentous algae (Phaeophyceae) (15%) Sea colander (*Agurum cribosum*) (5%) Red fern (*Ptilota sp.*) (1%)
90-95	19		8:42-	Cobble (60%) Gravel (20%) Rubble (12%) Bedrock (8%)	Starfish (*Asterias sp.*) (C)	Sea colander (*Agurum cribosum*) (8%) Brown filamentous algae (Phaeophyceae) (5%) Red fern (*Ptilota sp.*) (2%)
95-100	20			Cobble (80%) Gravel (10%) Rubble (10%)	No fauna observed	Brown filamentous algae (Phaeophyceae) (10%) Kelp (*Laminaria longicruris*) (3%) Edible kelp (*Alaria sp.*) (3%) Crustose algae (*Lithothamnium sp.*) (3%) Red fern (*Ptilota sp.*) (2%)

SC4 to SC5 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		9:45-10:47	Large boulder (60%) Bedrock (10%) Rubble (10%) Cobble (10%) Gravel (10%) Cobble (10%)	Starfish (*Asterias sp.*) (A)	Sea colander (*Agurum cribosum*) (25%) Brown filamentous algae (Phaeophyceae) (10%) Kelp (*Laminaria longicruris*) (5%) Edible kelp (*Alaria sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (3%) Red fern (*Ptilota sp.*) (3%) Crustose algae (non *Lithothamnium sp.*) (2%)
5-10	2		10:47-11:34	Bedrock (100%)	Starfish (*Asterias sp.*) (A) Whelk (*Buccinium sp.*) (C)	Kelp (*Laminaria longicruris*) (70%) Sea colander (*Agurum cribosum*) (10%) Sourweed (*Desmarestia sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (3%)
10-15	3		11:34-11:50	Bedrock (80%) Cobble (20%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (75%) Crustose algae (*Lithothamnium sp.*) (5%)
15-20	4		11:50-12:14	Bedrock (90%) Cobble (10%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (80%) Crustose algae (*Lithothamnium sp.*) (5%)
20-25	5		12:14-12:53	Bedrock (80%) Rubble (10%) Cobble (10%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (85%) Sea colander (*Agurum cribosum*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (2%)
25-30	6		12:53-13:13	Cobble (70%) Small boulder (10%) Rubble (10%) Gravel (10%)	Whelk (*Buccinium sp.*) (U – 1 individual)	Kelp (*Laminaria longicruris*) (90%) Sea colander (*Agurum cribosum*) (4%) Edible kelp (*Alaria sp.*) (3%) Sourweed (*Desmarestia sp.*) (3%)
30-35	7		13:13-13:35	Cobble (60%) Gravel (30%) Rubble (10%)	No fauna observed	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (10%) Sea colander (*Agurum cribosum*) (5%) Red fern (*Ptilota sp.*) (5%)

SC4 to SC5 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
35-40	8		13:35-14:33	Gravel (60%) Rubble (30%) Cobble (5%) Sand (5%)	Starfish (*Asterias sp.*) (A)	Kelp (*Laminaria longicruris*) (10%) Sea colander (*Agurum cribosum*) (5%) Edible kelp (*Alaria sp.*) (3%) Crustose algae (*Lithothamnium sp.*) (10%) Red fern (*Ptilota sp.*) (3%) Sourweed (*Desmarestia sp.*) (2%)
40-45	9		14:33-15:10	Gravel (60%) Rubble (30%) Cobble (5%) Sand (5%)	No fauna observed	Kelp (*Laminaria longicruris*) (15%) Red fern (*Ptilota sp.*) (3%) Sourweed (*Desmarestia sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (5%)
45-50	10		15:10-15:30	Cobble (70%) Gravel (20%) Small boulder (5%) Rubble (5%)	No fauna observed	Kelp (*Laminaria longicruris*) (25%) Crustose algae (*Lithothamnium sp.*) (5%)
50-55	11		15:30-15:51	Cobble (80%) Gravel (15%) Rubble (5%)	No fauna observed	Kelp (*Laminaria longicruris*) (30%) Red fern (*Ptilota sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (5%)
55-60	12		15:51-16:15	Cobble (80%) Gravel (15%) Rubble (5%)	No fauna observed	Kelp (*Laminaria longicruris*) (30%) Crustose algae (*Lithothamnium sp.*) (5%) Edible kelp (*Alaria sp.*) (4%)
60-65	13		16:15-16:36	Cobble (60%) Sand (20%) Gravel (15%) Rubble (5%)	No fauna observed	Kelp (*Laminaria longicruris*) (35%) Crustose algae (*Lithothamnium sp.*) (5%)
65-70	14		16:36-17:41	Cobble (60%) Sand (20%) Gravel (15%) Rubble (5%)	No fauna observed	Kelp (*Laminaria longicruris*) (35%) Crustose algae (*Lithothamnium sp.*) (5%)
70-75	15		17:41-18:21	Cobble (50%) Gravel (30%) Sand (20%)	No fauna observed	Kelp (*Laminaria longicruris*) (45%) Sourweed (*Desmarestia sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (5%)

SC4 to SC5 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
75-80	16		18:21-18:45	Cobble (50%) Gravel (30%) Sand (20%)	No fauna observed	Kelp (*Laminaria longicruris*) (35%) Crustose algae (*Lithothamnium sp.*) (4%) Red fern (*Ptilota sp.*) (3%)
80-85	17		18:45-19:20	Cobble (50%) Gravel (30%) Sand (20%)	No fauna observed	Kelp (*Laminaria longicruris*) (35%) Edible kelp (*Alaria sp.*) (4%) Sourweed (*Desmarestia sp.*) (3%) Crustose algae (*Lithothamnium sp.*) (3%) Red fern (*Ptilota sp.*) (2%)
85-90	18		19:20-	Gravel (50%) Sand (50%)	No fauna observed	Kelp (*Laminaria longicruris*) (35%) Sourweed (*Desmarestia sp.*) (15%) Red fern (*Ptilota sp.*) (3%)
90-95	19			Gravel (40%) Sand (60%)	No fauna observed	Sourweed (*Desmarestia sp.*) (20%) Red fern (*Ptilota sp.*) (3%)
95-100	20			Gravel (40%) Sand (60%)	No fauna observed	

SC5 to SC6 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		0:00-1:00	Gravel (80%) Cobble (10%) Sand (10%)	No fauna observed	Kelp (*Laminaria longicruris*) (10%)
5-10	2		1:00-1:31	Gravel (90%) Sand (10%)	No fauna observed	Kelp (*Laminaria longicruris*) (12%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (2%)
10-15	3		1:31-2:09	Gravel (60%) Cobble (40%)	No fauna observed	Kelp (*Laminaria longicruris*) (10%) Kelp (*Laminaria digitata*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Red fern (*Ptilota sp.*) (2%)
15-20	4		2:09-2:50	Gravel (70%) Cobble (30%)	Rock crab (*Cancer sp.*) (O – 1 individual)	Kelp (*Laminaria longicruris*) (10%) Kelp (*Laminaria digitata*) (5%) Crustose algae (*Lithothamnium sp.*) (2%)
20-25	5		2:50-3:44		No fauna observed	Kelp (*Laminaria longicruris*) (15%) **Storm toss:** Red fern (*Ptilota sp.*) (2%)
25-30	6		3:44-4:30	Gravel (90%) Cobble (10%)	No fauna observed	Crustose algae (*Lithothamnium sp.*) (3%) Sourweed (*Desmarestia sp.*) (3%) Red fern (*Ptilota sp.*) (2%) **Storm toss**: Red fern (*Ptilota sp.*) (2%)
30-35	7		4:30-5:19	Gravel (70%) Cobble (25%) Rubble (5%)	No fauna observed	Sourweed (*Desmarestia sp.*) (8%) Crustose algae (*Lithothamnium sp.*) (6%) Kelp (*Laminaria longicruris*) (5%) Red fern (*Ptilota sp.*) (5%) Edible kelp (*Alaria sp.*) (2%) Brown filamentous algae (Phaeophyceae) (2%)

SC5 to SC6 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
35-40	8		5:19-6:07	Gravel (70%) Cobble (25%) Rubble (5%)		Kelp (*Laminaria longicruris*) (40%) Edible kelp (*Alaria sp.*) (8%) Sourweed (*Desmarestia sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (3%) **Note:** Epiphytic growth on kelp
40-45	9		6:07-7:52	Rubble (60%) Small boulder (20%) Cobble (10%) Gravel (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (30%) Crustose algae (non *Lithothamnium sp.*) (2%)
45-50	10		7:52-8:51	Bedrock (25%) Small boulder (20%) Cobble (20%) Rubble (15%) Gravel (10%) Sand (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (5%)
50-55	11		8:51-9:35	Bedrock (60%) Gravel (30%) Cobble (10%)	No fauna observed	Kelp (*Laminaria longicruris*) (80%) Crustose algae (*Lithothamnium sp.*) (4%) Crustose algae (non *Lithothamnium sp.*) (3%) Edible kelp (*Alaria sp.*) (2%)
55-60	12		9:35-10:54	Bedrock (30%) Cobble (30%) Sand (30%) Gravel (10%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (15%) Sourweed (*Desmarestia sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%)

SC5 to SC6 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
60-65	13		10:54-11:57	Bedrock (95%) Cobble (5%)	Starfish (*Asterias sp.*) (C) Shrimp (*Palaemonetes sp.*) (U - 1 individual)	Kelp (*Laminaria longicruris*) (80%) Crustose algae (*Lithothamnium sp.*) (40%) **Note:** Kelp is approximately 4m in height Epiphytic growth on kelp
65-70	14		11”57-13:10	Bedrock (100%)	Blue mussel (*Mytilus edulis*) (O) Winter flounder (*Pseudopleuronectes americanus*) (U - 1 individual)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Coralline algae (*Corillina officinalis*) (6%) Red fern (*Ptilota sp.*) (3%) **Note:** Epiphytic growth on kelp
70-75	15		13:10-14:15	Bedrock (65%) Rubble (20%) Large boulder (10%) Cobble (5%)	Starfish (*Asterias sp.*) (C) Whelk (Gastropoda) (U - 1 individual) Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%) Sea colander (*Agurum cribosum*) (3%)
75-80	16		14:15-15:20	Bedrock (100%)	No Fauna Observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (2%) **Note:** Epiphytic growth on kelp

SC5 to SC6 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
80-85	17		15:20-16:25	Bedrock (100%)	Rock crab (*Cancer sp.*) (O – 1 individual) Blue mussel (*Mytilus edulis*) (C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (15%) Crustose algae (non *Lithothamnium sp.*) (2%) **Note:** Kelp is approximately 3m in height Epiphytic growth on kelp
85-90	18		16:25-17:34	Bedrock (100%)	Blue mussel (*Mytilus edulis*) (O) Starfish (*Asterias sp.*) (O)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (15%) Coralline algae (*Corillina officinalis*) (5%)
90-95	19		17:34-18:30	Bedrock (100%)	Blue mussel (*Mytilus edulis*) (O)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%)
95-100	20		18:30-20:00	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (6%) Crustose algae (non *Lithothamnium sp.*) (3%)

SC6 to SC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		20:20-21:15	Bedrock (100%)	Blue mussel (*Mytilus edulis*) (C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (25%)
5-10	2		21:15-22:11	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (15%) Coralline algae (*Corillina officinalis*) (10%) Sea colander (*Agurum cribosum*) (2%) **Note:** Epiphytic growth on kelp
10-15	3		22:11-23:15	Bedrock (100%)	Blue mussel (*Mytilus edulis*) (C) Sculpin (*Myoxocephalus sp.*) (U - 1 individual)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (non *Lithothamnium sp.*) (8%) Dulse (*Palmaria palmata*) (3%) Edible kelp (*Alaria sp.*) (1%)
15-20	4		23:15-24:11	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (10%) Crustose algae (non *Lithothamnium sp.*) (5%) Edible kelp (*Alaria sp.*) (4%) Dulse (*Palmaria palmata*) (3%) **Note:** Red fern (*Ptilota sp.*) is approximately 1m in height
20-25	5		24:11-25:05	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (10%)

SC6 to SC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
25-30	6		25:05-26:10	Bedrock (100%)	Blue mussel (*Mytilus edulis*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (2%)
30-35	7		26:10-27:10	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (1%)
35-40	8		27:10-28:23	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (1%)
40-45	9		28:23-29:30	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (10%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (2%) Edible kelp (*Alaria sp.*) (1%)
45-50	10		29:30-30:38	Bedrock (100%)	Yellow sponge (*Porifera sp.*) (U – 1 individual) Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%) Sea colander (*Agurum cribosum*) (2%) Red fern (*Ptilota sp.*) (1%)

SC6 to SC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
50-55	11		30:38-32:05	Bedrock (100%)	Blue mussel (*Mytilus edulis*) (C) Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (3%) Coralline algae (*Corillina officinalis*) (1%)
55-60	12		32:05-33:12	Bedrock (100%)	Blue mussel (*Mytilus edulis*) (O)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (3%) Coralline algae (*Corillina officinalis*) (1%)
60-65	13		33:12-34:03	Bedrock (80%) Cobble (10%) Gravel (10%)	No fauna observed	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (4%) Coralline algae (*Corillina officinalis*) (2%) Dulse (*Palmaria palmata*) (1%) Red fern (*Ptilota sp.*) (1%) **Storm toss:** Red fern (*Ptilota sp.*) (1%)
65-70	14		34:03-35:03	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (4%) Coralline algae (*Corillina officinalis*) (2%) Sourweed (*Desmarestia sp.*) (1%) **Storm toss:** Red fern (*Ptilota sp.*) (1%)

SC6 to SC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
70-75	15		35:03-36:25	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (4%) Red fern (*Ptilota sp.*) (2%) Coralline algae (*Corillina officinalis*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (1%)
75-80	16		36:25-37:30	Bedrock (95%) Cobble (5%)	Blue mussel (*Mytilus edulis*) (O)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (4%) Coralline algae (*Corillina officinalis*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (1%)
80-85	17		37:30-38:30	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (4%) Coralline algae (*Corillina officinalis*) (2%) Sea colander (*Agurum cribosum*) (2%)
85-90	18		38:30-40:40	Bedrock (95%) Cobble (5%)	Grass Shrimp (*Palamonetes sp.*)(C)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (4%) Coralline algae (*Corillina officinalis*) (2%)

SC6 to SC7 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
90-95	19		40:40-42:20	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (6%) Coralline algae (*Corillina officinalis*) (2%) Sea colander (*Agurum cribosum*) (2%)
95-100	20		42:20	Bedrock (100%)	Periwinkle (*Littorina sp.*) (U - 1 individual)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (6%) Sea colander (*Agurum cribosum*) (4%) Coralline algae (*Corillina officinalis*) (2%) Sourweed (*Desmarestia sp.*) (2%) Red fern (*Ptilota sp.*) (1%)

SC7 to SC8 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		0:00-1:04	Bedrock (95%) Cobble (3%) Rubble (2%)	Rock crab (*Cancer sp*.) (U 1 – individual)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Sea colander (*Agurum cribosum*) (4%) Coralline algae (*Corillina officinalis*) (2%)
5-10	2		1:04-1:32	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%)
10-15	3		1:32-1:52	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (10%) Sea colander (*Agurum cribosum*) (5%)
15-20	4		1:52-2:10	Bedrock (95%) Cobble (3%) Gravel (2%)	No fauna observed	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (10%) Sea colander (*Agurum cribosum*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%)
20-25	5		2:10-2:57	Bedrock (80%) Small boulder (20%)	Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (10%)
25-30	6		2:57-3:30	Bedrock (70%) Small boulder (30%)	Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (10%)
30-35	7		3:30-3:40	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (10%)
35-40	8		3:40-4:12	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (90%) Coralline algae (10%) Coralline algae (*Corillina officinalis*) (4%)
40-45	9		4:12-4:31	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (10%) Unidentified brown algae (5%) Coralline algae (*Corillina officinalis*) (4%)
45-50	10		4:31-5:00	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (70%) Edible kelp (*Alaria sp.*) (20%) Crustose algae (*Lithothamnium sp.*) (10%) Unidentified brown algae (5%) Coralline algae (*Corillina officinalis*) (4%)

SC7 to SC8 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
50-55	11		5:00-5:23	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (70%) Edible kelp (*Alaria sp.*) (20%) Crustose algae (*Lithothamnium sp.*) (10%) Unidentified brown algae (5%) Coralline algae (*Corillina officinalis*) (5%)
55-60	12		5:23-6:00	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (60%) Edible kelp (*Alaria sp.*) (20%)
60-65	13		6:00-6:05	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (50%) Edible kelp (*Alaria sp.*) (20%) Crustose algae (*Lithothamnium sp.*) (10%) Coralline algae (*Corillina officinalis*) (5%)
65-70	14		6:05-6:30	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (50%) Crustose algae (*Lithothamnium sp.*) (10%) Coralline algae (*Corillina officinalis*) (5%)
70-75	15		6:30-6:48	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C) Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (10%) Coralline algae (*Corillina officinalis*) (5%)
75-80	16		6:48-7:10	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C) Starfish (*Asterias sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (30%) Coralline algae (*Corillina officinalis*) (7%) Sourweed (*Desmarestia sp.*) (3%) Kelp (*Laminaria longicruris*) (1%)
80-85	17		7:10-7:31	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (5%) Crustose algae (*Lithothamnium sp.*) (30%)
85-90	18		7:31-7:53	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C) Blue mussel (*Mytilus edulis*) (U)	Crustose algae (*Lithothamnium sp.*) (30%) Kelp (*Laminaria longicruris*) (5%) Coralline algae (*Corillina officinalis*) (5%)
90-95	19		7:53-8:20	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C)	Coralline algae (30%) Coralline algae (*Corillina officinalis*) (5%) Kelp (*Laminaria longicruris*) (3%)
95-100	20		8:20-8:50	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C) Starfish (*Asterias sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (20%) Sourweed (*Desmarestia sp.*) (3%) Coralline algae (*Corillina officinalis*) (3%) Kelp (*Laminaria longicruris*) (1%)

SC8 to SC9 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1	6.5	8:56-9:27	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (20%) Kelp (*Laminaria longicruris*) (10%) Coralline algae (*Corillina officinalis*) (10%) Rockweed (*Fucus sp.*) (6%) Crustose algae (non *Lithothamnium sp.*) (3%)
5-10	2		9:27-9:44	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (20%) Kelp (*Laminaria longicruris*) (15%) Coralline algae (*Corillina officinalis*) (10%) Crustose algae (non *Lithothamnium sp.*) (3%)
10-15	3		9:44-10:34	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (20%) Kelp (*Laminaria longicruris*) (10%) Sourweed (*Desmarestia sp.*) (10%) Coralline algae (*Corillina officinalis*) (4%) Edible kelp (*Alaria sp.*) (3%) Crustose algae (non *Lithothamnium sp.*) (3%)
15-20	4		10:34-10:55	Bedrock (100%)	Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (30%) Crustose algae (*Lithothamnium sp.*) (20%) Sourweed (*Desmarestia sp.*) (15%) Coralline algae (*Corillina officinalis*) (4%) Crustose algae (non *Lithothamnium sp.*) (3%)
20-25	5		10:55-11:25	Bedrock (100%)	Periwinkle (*Littorina sp.*) (C)	Kelp (*Laminaria longicruris*) (40%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (4%) Edible kelp (*Alaria sp.*) (3%) Crustose algae (non *Lithothamnium sp.*) (3%)

SC8 to SC9 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
25-30	6		11:25-12:05	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (70%) Sourweed (*Desmarestia sp.*) (4%) **Note:** Kelp is approximately 1m in height
30-35	7		12;05-12:30	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (15%) Coralline algae (*Corillina officinalis*) (10%) Crustose algae (non *Lithothamnium sp.*) (1%)
35-40	8		12:30-12:50	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (15%) Coralline algae (*Corillina officinalis*) (10%) **Note:** Kelp is approximately 1-1.5m in height
40-45	9		12:50-13:25	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (15%) Coralline algae (*Corillina officinalis*) (10%) Crustose algae (non *Lithothamnium sp.*) (1%)
45-50	10		13:25-13:55	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (92%) Crustose algae (*Lithothamnium sp.*) (15%) Coralline algae (*Corillina officinalis*) (10%) Crustose algae (non *Lithothamnium sp.*) (1%)

SC8 to SC9 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
50-55	11		13:55-14:20	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (85%) Crustose algae (*Lithothamnium sp.*) (15%) Coralline algae (*Corillina officinalis*) (10%) Edible kelp (*Alaria sp.*) (10%) Unidentified brown algae (2%) Crustose algae (non *Lithothamnium sp.*) (1%) **Note:** Kelp is approximately 1.5m in height
55-60	12		14:20-15:05	Bedrock (100%)	No fauna observed	Kelp (*Laminaria longicruris*) (95%) Crustose algae (*Lithothamnium sp.*) (20%) Edible kelp (*Alaria sp.*) (10%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (non *Lithothamnium sp.*) (3%) Unidentified brown algae (2%)
60-65	13		15:05-15:50	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (80%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (non *Lithothamnium sp.*) (4%) Rock weed (*Fucus sp.*) (3%)
65-70	14		15:50-16:42	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (70%) Crustose algae (*Lithothamnium sp.*) (25%) Rockweed (*Fucus sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (4%)

SC8 to SC9 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
70-75	15		16:42-17:15	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (70%) Crustose algae (*Lithothamnium sp.*) (25%) Crustose algae (non *Lithothamnium sp.*) (6%) Coralline algae (*Corillina officinalis*) (3%)
75-80	16		17:15-17:55	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (80%) Crustose algae (*Lithothamnium sp.*) (25%) Crustose algae (non *Lithothamnium sp.*) (6%) Coralline algae (*Corillina officinalis*) (3%)
80-85	17		17:55-18:25	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (30%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (non *Lithothamnium sp.*) (8%)
85-90	18		18:25-19:10	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (90%) Crustose algae (*Lithothamnium sp.*) (25%) Crustose algae (non *Lithothamnium sp.*) (7%) Coralline algae (*Corillina officinalis*) (4%)
90-95	19		19:10-20:06	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Hermit crab (*Pagurus sp*.) (U – 1 individual)	Kelp (*Laminaria longicruris*) (70%) Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (4%) Crustose algae (non *Lithothamnium sp.*) (4%) Edible kelp (*Alaria sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (1%)
95-100	20	4	20:06-21:00	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (C) Green urchin (*Strongylocentrotus droebachiensis*) (C) Whelk (*Buccinium sp.*) (U – 1 individuals)	Kelp (*Laminaria longicruris*) (20%)

SC9 to SC10 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		0:00-0:30	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (25%) Crustose algae (non *Lithothamnium sp.*) (4%) Sea colander (*Agurum cribosum*) (4%) Coralline algae (*Corillina officinalis*) (3%)
5-10	2		0:30-1:50	Bedrock (100%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (25%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%) Sea colander (*Agurum cribosum*) (2%)
10-15	3		1:50-2:35	Bedrock (60%) Cobble (20%) Rubble (10%) Gravel (5%) Sand (5%)	Green urchin (*Strongylocentrotus droebachiensis*) (C) Hermit crab (*Pagurus sp*.) (C)	Crustose algae (*Lithothamnium sp.*) (25%) Crustose algae (non *Lithothamnium sp.*) (10%) Sea colander (*Agurum cribosum*) (3%)
15-20	4		2:35-3:57	Bedrock (45%) Small boulder (35%) Rubble (5%) Cobble (5%) Gravel (5%) Sand (5%)	Blue mussel (*Mytilus edulis*) (C)	Crustose algae (*Lithothamnium sp.*) (25%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (5%)
20-25	5		3:57-4:48	Bedrock (60%) Gravel (20%) Small boulder (6%) Cobble (5%) Sand (5%) Large boulder (4%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (25%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%) Sea colander (*Agurum cribosum*) (3%)

SC9 to SC10 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
25-30	6		4:48-5:56	Bedrock (30%) Cobble (30%) Small boulder (15%) Gravel (15%) Large boulder (5%) Rubble (5%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (20%) Sea colander (*Agurum cribosum*) (4%) Coralline algae (*Corillina officinalis*) (3%) Crustose algae (non *Lithothamnium sp.*) (3%) Edible kelp (*Alaria sp.*) (2%)
30-35	7		5:56-7:57	Small boulder (40%) Cobble (40%) Large boulder (10%) Rubble (10%)	Periwinkle (*Littorina sp.*) (A) Blue mussel (*Mytilus edulis*) (O) Whelk (*Buccinium sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (25%) Crustose algae (non *Lithothamnium sp.*) (8%) Coralline algae (*Corillina officinalis*) (3%) Sea colander (*Agurum cribosum*) (3%) Green filamentous algae (Arachaeplastida) (1%)
35-40	8		7:57-9:06	Cobble (55%) Small boulder (35%) Large boulder (5%) Rubble (5%)	Periwinkle (*Littorina sp.*) (A) Whelk (*Buccinium sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (25%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%)
40-45	9		9:06-10:13	Rubble (40%) Cobble (30%) Large boulder (10%) Small boulder (10%) Bedrock (5%) Gravel (5%)	Periwinkle (*Littorina sp.*) (A) Blue mussel (*Mytilus edulis*) (O)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%) Sea colander (*Agurum cribosum*) (3%) Edible kelp (*Alaria sp.*) (1%)
45-50	10		10:13-11:00	Rubble (40%) Cobble (30%) Large boulder (15%) Bedrock (10%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A) Hermit crab (*Pagurus sp.*) (U) Whelk (*Buccinium sp.*) (O – 1 individual)	Crustose algae (*Lithothamnium sp.*) (25%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) **Storm toss:** Edible kelp (*Alaria sp.*) (1%)

SC9 to SC10 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
50-55	11		11:00-12:41	Rubble (60%) Cobble (25%) Small boulder (8%) Bedrock (5%) Large boulder (2%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (O)	Crustose algae (*Lithothamnium sp.*) (20%) Crustose algae (non *Lithothamnium sp.*) (10%) Sea colander (*Agurum cribosum*) (3%) **Storm toss:** Kelp (*Laminaria sp.*) (1%)
55-60	12		12:41-14:21	Rubble (40%) Cobble (20%) Small boulder (20%) Bedrock (15%) Large boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (20%) Crustose algae (non *Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (3%) Coralline algae (*Corillina officinalis*) (2%) Edible kelp (*Alaria sp.*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (1%)
60-65	13		14:21-15:30	Small boulder (40%) Rubble (20%) Bedrock (20%) Cobble (15%) Large boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (20%) Sea colander (*Agurum cribosum*) (4%) Coralline algae (*Corillina officinalis*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (1%)
65-70	14		15:30-16:40	Bedrock (40%) Rubble (25%) Large boulder (20%) Small boulder (10%) Cobble (5%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (U) Starfish (*Asterias sp.*) (O) Rock crab (*Cancer sp.)* (C)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (4%) Crustose algae (non *Lithothamnium sp.*) (2%) Sourweed (*Desmarestia sp.*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (2%)

SC9 to SC10 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
70-75	15		16:40-18:10	Small boulder (35%) Bedrock (30%) Rubble (20%) Cobble (5%) Sand (5%) Large boulder (5%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (O)	Crustose algae (*Lithothamnium sp.*) (15%) Coralline algae (*Corillina officinalis*) (3%) Crustose algae (non *Lithothamnium sp.*) (2%) Kelp (*Laminaria longicruris*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (1%)
75-80	16		18:10-19:31	Small boulder (45%) Bedrock (30%) Rubble (20%) Large boulder (5%)	Periwinkle (*Littorina sp.*) (A) Blue mussel (*Mytilus edulis*) (O)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (non *Lithothamnium sp.*) (4%) Sea colander (*Agurum cribosum*) (3%) **Storm toss:** Kelp (*Laminaria sp.*) (1%)
80-85	17		19:31-20:00	Small boulder (30%) Cobble (20%) Bedrock (20%) Gravel (10%) Rubble (10%) Large boulder (10%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (O)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Storm toss:** Red fern (*Ptilota sp.*) (1%)
85-90	18		20:00-21:14	Rubble (40%) Small boulder (30%) Cobble (20%) Bedrock (10%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (O)	Crustose algae (*Lithothamnium sp.*) (20%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Kelp (*Laminaria longicruris*) (1%)

SC9 to SC10 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
90-95	19		21:14-22:55	Cobble (60%) Rubble (30%) Gravel (5%) Large boulder (4%) Small boulder (1%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (O)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (non *Lithothamnium sp.*) (4%) Sea colander (*Agurum cribosum*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (1%) Red fern (*Ptilota sp.*) (1%)
95-100	20		22:55-24:00	Rubble (42%) Small boulder (30%) Cobble (20%) Bedrock (8%)	Periwinkle (*Littorina sp.*) (A) Rock crab (*Cancer sp.)* (O - 2 individuals)	Crustose algae (*Lithothamnium sp.*) 20%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (non *Lithothamnium sp.*) (4%) Sea colander (*Agurum cribosum*) (3%) **Storm toss:** Kelp (*Laminaria sp.*) (1%)

SC10 to SC11 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		26:41-27:40	Cobble (45%) Rubble (25%) Small boulder (10%) Gravel (10%) Large boulder (5%) Sand (5%)	Periwinkle (*Littorina sp.*) (A) Whelk (*Buccinium sp.*) (O)	Crustose algae (*Lithothamnium sp.*) (25%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%) Sourweed (*Desmarestia sp.*) (2%) Sea colander (*Agurum cribosum*) (1%)
5-10	2		27:40-29:00	Cobble (45%) Rubble (20%) Small boulder (10%) Gravel (20%) Large boulder (5%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C) Hermit crab (*Pagurus sp*.) (O) Whelk (*Buccinium sp.*) (C)	Crustose algae (*Lithothamnium sp.*) 25%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%)
10-15	3		29:00-30:20	Cobble (45%) Bedrock (25%) Rubble (10%) Gravel (10%) Large boulder (8%) Small boulder (2%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C) Hermit crab (*Pagurus sp*.) (O) Starfish (*Asterias sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (non *Lithothamnium sp.*) (5%) Sourweed (*Desmarestia sp.*) (2%) **Storm Toss:** Kelp (*Laminaria sp.*) (1%)
15-20	4		30:20-32:00	Cobble (45%) Rubble (20%) Bedrock (10%) Small boulder (10%) Gravel (10%) Sand (5%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C)	Crustose algae (*Lithothamnium sp.*) (25%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (3%) Edible kelp (*Alaria sp.*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (1%)

SC10 to SC11 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
20-25	5		32:00-33:00	Cobble (45%) Rubble (20%) Bedrock (10%) Small boulder (10%) Gravel (10%) Sand (5%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (O)	Crustose algae (*Lithothamnium sp.*) (25%) Crustose algae (non *Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (5%) Kelp (*Laminaria longicruris*) (2%)
25-30	6		33:00-34:50	Gravel (60%) Cobble (10%) Sand (10%) Large boulder (10%) Small boulder (5%) Rubble (5%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C)	Crustose algae (*Lithothamnium sp.*) (15%) Crustose algae (non *Lithothamnium sp.*) (3%) Sea colander (*Agurum cribosum*) (2%) Coralline algae (*Corillina officinalis*) (1%) **Storm toss:** Sea colander (*Agurum cribosum*) (1%) Red fern (*Ptilota sp.*) (1%)
30-35	7		34:50-36:40	Gravel (60%) Large boulder (20%) Cobble (10%) Sand (5%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A) Blue mussel (*Mytilus edulis*) (C) Starfish (*Asterias sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (4%) Sourweed (*Desmarestia sp.*) (4%) Crustose algae (non *Lithothamnium sp.*) (3%)
35-40	8		36:40-37:50	Gravel (60%) Large boulder (20%) Cobble (10%) Sand (10%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (C) Starfish (*Asterias sp.*) (O)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (10%) Sea colander (*Agurum cribosum*) (3%) Edible kelp (*Alaria sp.*) (3%) Crustose algae (non *Lithothamnium sp.*) (3%)

SC10 to SC11 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
40-45	9		37:50-39:00	Gravel (45%) Large boulder (25%) Cobble (20%) Sand (10%)	Periwinkle (*Littorina sp.*) (A) Rock crab (*Cancer sp.)* (U – 1 individual)	Coralline algae (20%) Sea colander (*Agurum cribosum*) (8%) Coralline algae (*Corillina officinalis*) (8%) Crustose algae (non *Lithothamnium sp.*) (3%) Edible kelp (*Alaria sp.*) (1%) Kelp (*Laminaria longicruris*) (1%)
45-50	10		39:00-40:45	Cobble (60%) Gravel (30%) Large boulder (10%)	Periwinkle (*Littorina sp.*) (A) Hermit crab (*Pagurus sp*.) (U) Blue mussel (*Mytilus edulis*) (O)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (6%) Sea colander (*Agurum cribosum*) (6%) Crustose algae (non *Lithothamnium sp.*) (3%) Kelp (*Laminaria longicruris*) (2%) Sourweed (*Desmarestia sp.*) (1%)
50-55	11		40:45-42:40	Cobble (35%) Large boulder (32%) Gravel (25%) Small boulder (5%) Sand (3%)	Periwinkle (*Littorina sp.*) (A) Sea cucumber (*Cucumaria frondosa*) (U – 1 individual)	Crustose algae (*Lithothamnium sp.*) (20%) Sea colander (*Agurum cribosum*) (10%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%) Kelp (*Laminaria longicruris*) (2%)
55-60	12		42:40-44:12	Cobble (30%) Large boulder (30%) Gravel (30%) Small boulder (10%)	Periwinkle (*Littorina sp.*) (A) Blue mussel (*Mytilus edulis*) (C) Starfish (*Asterias sp.*) (U)	Crustose algae (*Lithothamnium sp.*) (20%) Sea colander (*Agurum cribosum*) (10%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (4%) Crustose algae (non *Lithothamnium sp.*) (3%) Kelp (*Laminaria longicruris*) (2%)

SC10 to SC11 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
60-65	13		44:12-45:30	Cobble (50%) Small boulder (30%) Bedrock (20%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (O) Starfish (*Asterias sp.*) (C)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%) **Storm toss:** Red fern (*Ptilota sp.*) (1%)
65-70	14		45:30-46:53	Cobble (50%) Small boulder (30%) Bedrock (20%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (5%) Sourweed (*Desmarestia sp.*) (4%) Crustose algae (non *Lithothamnium sp.*) (2%) **Storm toss:** Tree Branch (1%)
70-75	15		46:53-48:17	Bedrock (40%) Small boulder (30%) Cobble (30%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (5%) Sourweed (*Desmarestia sp.*) (3%) Crustose algae (non *Lithothamnium sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (1%) Kelp (*Laminaria sp.*) (1%)

SC10 to SC11 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
75-80	16		48:17-50:20	Bedrock (40%) Small boulder (30%) Cobble (30%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (U)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (5%) Kelp (*Laminaria longicruris*) (2%) Crustose algae (non *Lithothamnium sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (1%) Kelp (*Laminaria sp.*) (2%) Tree Branch (1%)
80-85	17		50:20-51:55	Cobble (40%) Small boulder (30%) Bedrock (20%) Rubble (10%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (6%) Kelp (*Laminaria longicruris*) (4%) Crustose algae (non *Lithothamnium sp.*) (2%) **Storm toss:** Red fern (*Ptilota sp.*) (1%) Tree Branch (1%)
85-90	18		51:55-55:45	Cobble (40%) Small boulder (30%) Rubble (20%) Bedrock (10%)	Periwinkle (*Littorina sp.*) (A) Green urchin (*Strongylocentrotus droebachiensis*) (O) Hermit crab (*Pagurus sp.*) (O) Blue mussel (*Mytilus edulis*) (O) Starfish (*Asterias sp.*) (O) Sea cucumber (*Cucumaria frondosa*) (U – 1 individual)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (3%) Sea colander (*Agurum cribosum*) (2%) Crustose algae (non *Lithothamnium sp.*) (2%) **Storm toss:** Tree Branch (1%) Red fern (*Ptilota sp.*) (1%)

SC10 to SC11 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
90-95	19		55:45-57:00	Cobble (40%) Bedrock (30%) Rubble (20%) Small boulder (10%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (20%) Sourweed (*Desmarestia sp.*) (8%) Coralline algae (*Corillina officinalis*) (5%) Kelp (*Laminaria longicruris*) (3%) Crustose algae (non *Lithothamnium sp.*) (2%) **Storm toss:** Tree Branch (1%) Red fern (*Ptilota sp.*) (1%)
95-100	20	9	57:00-58:30	Bedrock (60%) Cobble (30%) Small boulder (10%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (20%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (2%) Crustose algae (non *Lithothamnium sp.*) (2%) **Storm toss:** Tree Branch (1%) Red fern (*Ptilota sp.*) (3%)

SC11 to SC12 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		0:57-1:40	Rubble (50%) Cobble (20%) Small boulder (15%) Gravel (10%) Large boulder (5%)	Rock crab (*Cancer sp.*) (O – 1 individual) Green urchin (*Strongylocentrotus droebachiensis*) (C) Starfish (*Asterias sp.*) (O) Blue mussel (*Mytilus edulis*) (O)	Sourweed (*Desmarestia sp.*) (20%) Sea colander (*Agurum cribosum*) (3%) Kelp (*Laminaria longicruris*) (5%) Knotted Wrack (*Ascophyllum nodosum*) (1%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (2%)
5-10	2		1:40-2:23	Rubble (60%) Large boulder (30%) Cobble (10%)	Green urchin (*Strongylocentrotus droebachiensis*) (U – 1 individual) Periwinkle (*Littorina sp.*) (C) Hermit crab (*Parugus sp*.) (U) Whelk (*Buccinium sp.*) (O)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (5%) Red fern (*Ptilota sp.*) (2%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%)
10-15	3		2:23-3:01	Rubble (60%) Small boulder (25%) Cobble (10%) Large boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (30%) Red fern (*Ptilota sp.*) (2%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%)
15-20	4		3:01-3:45	Rubble (60%) Small boulder (25%) Cobble (10%) Large boulder (5%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (O) Blue mussel (*Mytilus edulis*) (O)	Sourweed (*Desmarestia sp.*) (30%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%) **Storm toss:** Kelp (*Laminaria sp.*) (10%)

SC11 to SC12 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
20-25	5		3:45-4:10	Rubble (60%) Cobble (30%) Small boulder (10%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (30%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%) **Storm toss:** Kelp (*Laminaria sp.*) (10%)
25-30	6		4:10-4:45	Rubble (60%) Cobble (20%) Small boulder (18%) Large boulder (2%)	Rock crab (*Cancer sp*.) (U – 1 individual) Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (30%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%) **Storm toss**: Kelp (*Laminaria sp.*) (10%)
30-35	7		4:45-5:15	Cobble (40%) Rubble (30%) Small boulder (30%)	Green urchin (*Strongylocentrotus droebachiensis*) (C) Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (3%)
35-40	8		5:15-5:48	Cobble (80%) Rubble (10%) Gravel (10%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Red fern (*Ptilota sp.*) (3%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Red fern (*Ptilota sp.*) (3%)

SC11 to SC12 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
40-45	9		5:48	Cobble (80%) Bedrock (10%) Gravel (10%)	Green urchin (*Strongylocentrotus droebachiensis*) (C) Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Storm Toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (3%)
45-50	10		6:20	Cobble (80%) Bedrock (10%) Gravel (10%)	Green urchin (*Strongylocentrotus droebachiensis*) (C) Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Storm Toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (3%)
50-55	11		6:20-7:05	Cobble (80%) Sand (10%) Gravel (5%) Rubble (5%)	Rock crab (*Cancer sp.*) (U – 1 individual) Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%)
55-60	12		7:05-7:26	Cobble (70%) Small boulder (10%) Rubble (10%) Gravel (10%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%)

SC11 to SC12 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
60-65	13		7:26-8:10	Cobble (70%) Small boulder (10%) Rubble (10%) Gravel (10%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Red fern (*Ptilota sp.*) (3%) Rock weed (*Fucus sp.*) (2%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) **Note:** Epiphytic growth on sourweed
65-70	14		8:10-8:50	Cobble (60%) Gravel (30%) Small boulder (10%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) Red fern (*Ptilota sp.*) (3%)
70-75	15		8:50-9:45	Cobble (60%) Gravel (30%) Small boulder (10%)	Green urchin (*Strongylocentrotus droebachiensis*) (C) Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) Red fern (*Ptilota sp.*) (3%)

SC11 to SC12 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
75-80	16		9:45-10:15	Cobble (60%) Gravel (30%) Small boulder (10%)	Green urchin (*Strongylocentrotus droebachiensis*) (C) Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Sea colander (*Agurum cribosum*) (3%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%) **Storm toss:** Red fern (*Ptilota sp.*) (6%)
80-85	17		10:15-10:55	Cobble (50%) Small boulder (40%) Rubble (10%)	Green urchin (*Strongylocentrotus droebachiensis*) (C) Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Red fern (*Ptilota sp.*) (6%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Note:** Epiphytic growth on sourweed
85-90	18		10:55-12:00	Cobble (70%) Rubble (20%) Gravel (10%)	Green urchin (*Strongylocentrotus droebachiensis*) (O) Periwinkle (*Littorina sp.*) (C)	Sourweed (*Desmarestia sp.*) (20%) Sea colander (*Agurum cribosum*) (3%) Kelp (*Laminaria longicruris*) (20%) Knotted Wrack (*Ascophyllum nodosum*) (1%) Red fern (*Ptilota sp.*) (6%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Storm toss:** Kelp (*Laminaria sp.*) (20%)

SC11 to SC12 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
90-95	19		12:00- 12:30	Cobble (70%) Small boulder (20%) Gravel (10%)	Periwinkle (*Littorina sp.*) (C) Cunner (*Tautogolabrus adspersus*) (U – 1 individual)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) **Note:** Epiphytic growth on Shrimp
95-100	20		12:30-	Cobble (70%) Small boulder (20%) Gravel (10%)	Green urchin (*Strongylocentrotus droebachiensis*) (O) Periwinkle (*Littorina sp.*) (C) Starfish (*Asterias sp.*) (O) Whelk (*Buccinium sp.*) (O)	Sourweed (*Desmarestia sp.*) (30%) Sea colander (*Agurum cribosum*) (3%) Kelp (*Laminaria longicruris*) (20%) Rock weed (*Fucus sp.*) (2%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (30%) Red fern (*Ptilota sp.*) (3%)

SC12 to SC13 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		14:47-15:37	Cobble (90%) Small boulder (10%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (60%) Sourweed (*Desmarestia sp.*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Sea colander (*Agurum cribosum*) (3%)
5-10	2		15:37-16:30	Cobble (80%) Large boulder (20%)	Green urchin (*Strongylocentrotus droebachiensis*) (U – 1 individual) Periwinkle (*Littorina sp.*) (C) Starfish (*Asterias sp.*) (C)	Kelp (*Laminaria longicruris*) (30%) Sourweed (*Desmarestia sp.*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (3%) Red fern (*Ptilota sp.*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (2%) Sea colander (*Agurum cribosum*) (1%)
10-15	3		16:30-17:17	Cobble (80%) Small boulder (20%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (30%) Sourweed (*Desmarestia sp.*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Sea colander (*Agurum cribosum*) (3%) Rock weed (*Fucus sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (10%)

SC12 to SC13 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
15-20	4		17:17-18:03	Cobble (80%) Gravel (10%) Sand (10%)	Green urchin (*Strongylocentrotus droebachiensis*) (O) Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (O)	Sourweed (*Desmarestia sp.*) (30%) Kelp (*Laminaria longicruris*) (30%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (2%)
20-25	5		18:03-19:40	Rubble (80%) Large boulder (10%) Gravel (5%) Sand (5%)	Periwinkle (*Littorina sp.*) (A) Whelk Class Gastropoda (U – 1 individual)	Sourweed (*Desmarestia sp.*) (30%) Kelp (*Laminaria longicruris*) (20%) Sea colander (*Agurum cribosum*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%) Crustose algae (non *Lithothamnium sp.*) (3%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (3%) **Note:** Epiphytic growth on sourweed
25-30	6		19:40-20:44	Cobble (80%) Large boulder (20%)	Rock crab (*Cancer sp*.) (U – 1 individual)	Sourweed (*Desmarestia sp.*) (30%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (3%)

SC12 to SC13 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
30-35	7		20:44-22:10	Cobble (80%) Bedrock (10%) Gravel (10%)	Periwinkle (*Littorina sp.*) (C) Starfish (*Asterias sp.*) (O)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Coralline algae (5%) Coralline algae (*Corillina officinalis*) (3%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (3%)
35-40	8		22:10-23:20	Cobble (80%) Large boulder (10%) Gravel (10%)	No fauna observed	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Rock weed (*Fucus sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (3%) Rock weed (*Fucus sp.*) (1%)
40-45	9		23:20-	Cobble (80%) Gravel (10%) Sand (10%)	Rock crab (*Cancer sp*.) (U – 1 individual) Green urchin (*Strongylocentrotus droebachiensis*) (O) Periwinkle (*Littorina sp.*) (C)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (10%) Rock weed (*Fucus sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Rock weed (*Fucus sp.*) (5%)

SC12 to SC13 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
45-50	10		24:46	Cobble (80%) Gravel (20%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (3%) Sea colander (*Agurum cribosum*) (3%)
50-55	11		24:46-25:20	Cobble (80%) Gravel (10%) Sand (10%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (3%)
55-60	12		25:20-26:18	Cobble (80%) Gravel (10%) Sand (10%)	Green urchin (*Strongylocentrotus droebachiensis*) (O) Periwinkle (*Littorina sp.*) (C)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (3%) Rock weed (*Fucus sp.*) (3%) **Note:** Epiphytic growth on sourweed

SC12 to SC13 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
60-65	13		26:18-27:40	Cobble (80%) Gravel (10%) Rubble (5%) Small boulder (5%)	Green urchin (*Strongylocentrotus droebachiensis*) (O) Periwinkle (*Littorina sp.*) (C) Sculpin (*Myoxocephalus sp.)* (U – 1 individual)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) Red fern (*Ptilota sp.*) (3%) Sea colander (*Agurum cribosum*) (3%)
65-70	14		27:40-28:45	Cobble (70%) Bedrock (20%) Large boulder (10%)	Periwinkle (*Littorina sp.*) (A) Sculpin (*Myoxocephalus sp.)* (U – 1 individual)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) Red fern (*Ptilota sp.*) (3%)
70-75	15		28:45-29:38	Cobble (70%) Bedrock (20%) Small boulder (10%)	No Fauna Observed	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) Red fern (*Ptilota sp.*) (3%) **Note:** Epiphytic growth on sourweed

SC12 to SC13 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
75-80	16		29:38-30:50	Cobble (60%) Rubble (40%)	Green urchin (*Strongylocentrotus droebachiensis*) (C) Periwinkle (*Littorina sp.*) (C) Starfish (*Asterias sp.*) (O)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) Red fern (*Ptilota sp.*) (6%)
80-85	17		30:50-31:20	Cobble (80%) Rubble (20%)	Green urchin (*Strongylocentrotus droebachiensis*) (C) Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) Rock weed (*Fucus sp.*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) Red fern (*Ptilota sp.*) (6%)
85-90	18		31:20-32:00	Cobble (80%) Rubble (20%)	Green urchin (*Strongylocentrotus droebachiensis*) (C) Periwinkle (*Littorina sp.*) (C)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) Rock weed (*Fucus sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) Red fern (*Ptilota sp.*) (6%) Sea colander (*Agurum cribosum*) (3%)

SC12 to SC13 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
90-95	19		32:00- 32:31	Cobble (70%) Rubble (20%) Small boulder (10%)	Periwinkle (*Littorina sp*.) (C)	Sourweed (*Desmarestia sp.*) (20%) Kelp (*Laminaria longicruris*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) Red fern (*Ptilota sp.*) (6%)
95-100	20		32:31-	Cobble (80%) Rubble (20%)	Periwinkle (*Littorina sp*.) (C)	Sourweed (*Desmarestia sp.*) (30%) Crustose algae (*Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (30%) Red fern (*Ptilota sp.*) (3%)

SC13 to SC14 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		0:28-1:12	Cobble (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (80%) Sourweed (*Desmarestia sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (10%) Sea colander (*Agurum cribosum*) (3%) Crustose algae (non *Lithothamnium sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (2%) Red fern (*Ptilota sp.*) (2%)
5-10	2		1:12-1:55	Cobble (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (60%) Sourweed (*Desmarestia sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (10%)
10-15	3		1:55-2:42	Cobble (100%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (3%) Rock weed (*Fucus sp.*) (3%) Crustose algae (non *Lithothamnium sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) Red fern (*Ptilota sp.*) (4%) Sea colander (*Agurum cribosum*) (3%)

SC13 to SC14 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
15-20	4		2:42-3:27	Cobble (100%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Sea colander (*Agurum cribosum*) (3%) Crustose algae (non *Lithothamnium sp.*) (2%) Kelp (*Laminaria longicruris*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (20%) Red fern (*Ptilota sp.*) (3%)
20-25	5		3:27-4:20	Cobble (80%) Small boulder (20%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (1%) Sourweed (*Desmarestia sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (3%) Crustose algae (non *Lithothamnium sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (20%)
25-30	6		4:20-5:07	Cobble (80%) Rubble (10%) Small boulder (10%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Kelp (*Laminaria longicruris*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (15%) Red fern (*Ptilota sp.*) (3%) Sea colander (*Agurum cribosum*) (2%)

SC13 to SC14 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
30-35	7		5:07-5:53	Cobble (80%) Rubble (10%) Small boulder (10%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (5%) Sourweed (*Desmarestia sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Rock weed (*Fucus sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (15%)
35-40	8		5:53-6:45	Cobble (80%) Rubble (10%) Small boulder (10%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (5%) Rock weed (*Fucus sp.*) (4%) Kelp (*Laminaria longicruris*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (10%)
40-45	9		6:45-7:33	Cobble (95%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (6%) Crustose algae (*Lithothamnium sp.*) (5%) Kelp (*Laminaria longicruris*) (2%) Sourweed (*Desmarestia sp.*) (2%) Red fern (*Ptilota sp.*) (1%) Edible kelp (*Alaria sp.)* (1%) **Storm toss:** Kelp (*Laminaria sp.*) (10%)
45-50	10		7:33-8:28	Cobble (100%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (8%) Crustose algae (*Lithothamnium sp.*) (5%)
50-55	11		8:28-9:28	Cobble (90%) Sand (10%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Kelp (*Laminaria longicruris*) (2%) Sea colander (*Agurum cribosum*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Edible kelp (*Alaria sp.*) (2%)

SC13 to SC14 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
55-60	12		9:28-10:21	Cobble (100%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (5%) Sourweed (*Desmarestia sp.*) (5%) Rock weed (*Fucus sp.*) (3%) Red fern (*Ptilota sp.*) (3%) Kelp (*Laminaria longicruris*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (10%)
60-65	13		10:21-11:10	Cobble (95%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (*Lithothamnium sp.*) (5%) Sourweed (*Desmarestia sp.*) (5%) Rock weed (*Fucus sp.*) (4%) Red fern (*Ptilota sp.*) (3%) Kelp (*Laminaria longicruris*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (20%)
65-70	14		11:10-12:00	Cobble (90%) Rubble (5%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Sourweed (*Desmarestia sp.*) (10%) Kelp (*Laminaria longicruris*) (5%) Sea colander (*Agurum cribosum*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (4%) Coralline algae (*Corillina officinalis*) (3%) Crustose algae (non *Lithothamnium sp.*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (10%)

SC13 to SC14 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
70-75	15		12:00-12:50	Cobble (95%) Rubble (5%)	Periwinkle (*Littorina sp.*) (A) Hermit crab (*Parugus sp*.) (O – 1 individual)	Sourweed (*Desmarestia sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%) Kelp (*Laminaria longicruris*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (5%) Red fern (*Ptilota sp.*) (2%)
75-80	16		12:50-13:40	Cobble (95%) Rubble (5%)	Periwinkle (*Littorina sp.*) (A)	Kelp (*Laminaria longicruris*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Sourweed (*Desmarestia sp.*) (3%) Rock weed (*Fucus sp.*) (3%) Crustose algae (non *Lithothamnium sp.*) (3%) **Storm toss:** Kelp (*Laminaria sp.*) (10%) Red fern (*Ptilota sp.*) (2%)
80-85	17		13:40-14:45	Cobble (95%) Rubble (5%)	Periwinkle (*Littorina sp.*) (A) Hermit crab (*Parugus sp*.) (O – 1 individual)	Kelp (*Laminaria longicruris*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Rock weed (*Fucus sp.*) (3%) Sea colander (*Agurum cribosum*) (2%) Red fern (*Ptilota sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (10%)

SC13 to SC14 - 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
85-90	18		14:45- 15:45	Cobble (90%) Rubble (5%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (6%) Kelp (*Laminaria longicruris*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Red fern (*Ptilota sp.*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (5%)
90-95	19		15:45- 16:52	Cobble (75%) Large boulder (15%) Small boulder (5%) Sand (5%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (6%) Crustose algae (*Lithothamnium sp.*) (5%) Kelp (*Laminaria longicruris*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (10%)
95-100	20		16:52-	Cobble (40%) Rubble (20%) Bedrock (20%) Large boulder (15%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Crustose algae (non *Lithothamnium sp.*) (10%) Rock weed (*Fucus sp.*) (8%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (5%) Kelp (*Laminaria longicruris*) (3%) Red fern (*Ptilota sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (5%)

SC14 to SC15 – 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
0-5	1		18:43-19:32	Cobble (75%) Large boulder (15%) Small boulder (5%) Bedrock (5%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (10%)
5-10	2		19:32-20:42	Cobble (40%) Rubble (40%) Large boulder (10%) Small boulder (10%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (U)	Rock weed (*Fucus sp.*) (15%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (5%) **Storm toss:** Kelp (*Laminaria sp.*) (5%)
10-15	3		20:42-21:50	Rubble (50%) Small boulder (20%) Large boulder (10%) Cobble (20%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (15%) Sourweed (*Desmarestia sp.*) (5%) Crustose algae (*Lithothamnium sp.*) (5%) Coralline algae (*Corillina officinalis*) (3%) Red fern (*Ptilota sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (3%)
15-20	4		21:50-22:50	Cobble (60%) Rubble (30%) Small boulder (10%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (15%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (3%) Kelp (*Laminaria longicruris*) (1%) **Storm toss:** Kelp (*Laminaria sp.*) (5%) Edible kelp (*Alaria sp.)* (2%) Sea colander (*Agurum cribosum*) (1%)

SC14 to SC15 – 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
20-25	5		22:50-23:50	Cobble (60%) Rubble (20%) Large boulder (15%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) Kelp (*Laminaria longicruris*) (2%) Red fern (*Ptilota sp.*) (1%) Edible kelp (*Alaria sp.)* (1%) **Storm toss:** Kelp (*Laminaria sp.*) (3%)
25-30	6		23:50-24:50	Cobble (65%) Large boulder (20%) Rubble (10%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (20%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) Kelp (*Laminaria longicruris*) (2%) Red fern (*Ptilota sp.*) (2%) **Storm toss:** Kelp (*Laminaria sp.*) (4%)
30-35	7		24:50-25:45	Cobble (70%) Large boulder (18%) Bedrock (10%) Small boulder (2%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (O)	Rock weed (*Fucus sp.*) (40%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Storm toss:** Kelp (*Laminaria sp.*) (4%)
35-40	8		25:45-26:45	Cobble (70%) Large boulder (30%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (40%) Crustose algae (*Lithothamnium sp.*) (5%) Crustose algae (non *Lithothamnium sp.*) (4%) **Storm toss:** Kelp (*Laminaria sp.*) (3%)

SC14 to SC15 – 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
40-45	9		26:45-28:00	Cobble (70%) Large boulder (15%) Rubble (10%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (30%) Sourweed (*Desmarestia sp.*) (10%) Crustose algae (non *Lithothamnium sp.*) (4%) Crustose algae (*Lithothamnium sp.*) (3%) Cord weed (*Chorda sp*.) (1%) **Storm toss:** Kelp (*Laminaria longicruris*) (2%) **Note:** Polycheate Fecal Cast
45-50	10		28:00-28:50	Cobble (70%) Large boulder (20%) Rubble (10%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (20%) Crustose algae (non *Lithothamnium sp.*) (8%) Crustose algae (*Lithothamnium sp.*) (3%) **Storm toss:** Edible kelp (*Alaria sp*.) (1%)
50-55	11		28:50-30:00	Cobble (70%) Large boulder (15%) Bedrock (10%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A) Starfish (*Asterias sp.*) (U)	Rock weed (*Fucus sp.*) (40%) Crustose algae (*Lithothamnium sp.*) (3%)
55-60	12		30:00-30:52	Cobble (80%) Small boulder (20%)	Periwinkle (*Littorina sp.*) (C)	Rock weed (*Fucus sp.*) (35%) Crustose algae (*Lithothamnium sp.*) (3%) **Storm toss:** Edible kelp (*Alaria sp*.) (1%)
60-65	13		30:52-32:00	Cobble (90%) Small boulder (10%)	Periwinkle (*Littorina sp.*) (C)	Rock weed (*Fucus sp.*) (35%) Sourweed (*Desmarestia sp.*) (10%) Crustose algae (*Lithothamnium sp.*) (3%)

SC14 to SC15 – 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
65-70	14		32:00-33:00	Cobble (90%) Large boulder (5%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (60%) Crustose algae (*Lithothamnium sp.*) (4%) **Storm toss:** Kelp (*Laminaria sp*) (2%)
70-75	15		33:00-34:05	Cobble (80%) Small boulder (10%) Bedrock (10%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (50%) Crustose algae (*Lithothamnium sp.*) (3%) Red fern (*Ptilota sp.*) (2%)
75-80	16		34:05-35:14	Cobble (80%) Large boulder (8%) Rubble (8%) Organic (2%) Small boulder (2%)	Periwinkle (*Littorina sp.*) (A) Rock crab (*Cancer sp*.) (O – 1 individual)	Rock weed (*Fucus sp.*) (40%) Crustose algae (*Lithothamnium sp.*) (3%) **Storm toss:** Kelp (*Laminaria sp.*) (3%)
80-85	17		35:14-36:22	Cobble (80%) Small boulder (12%) Rubble (8%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (40%) Crustose algae (*Lithothamnium sp.*) (4%) Coralline algae (*Corillina officinalis*) (3%) **Storm toss:** Kelp (*Laminaria sp.*) (3%)
85-90	18		36:22-37:32	Cobble (50%) Bedrock (30%) Large boulder (15%) Small boulder (5%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (70%) Crustose algae (*Lithothamnium sp.*) (4%) Coralline algae (*Corillina officinalis*) (3%) Sourweed (*Desmarestia sp.*) (3%) **Storm toss:** Kelp (*Laminariai sp.*) (3%)
90-95	19		37:32-38:35	Cobble (50%) Bedrock (30%) Large boulder (20%)	Periwinkle (*Littorina sp.*) (C)	Rock weed (*Fucus sp.*) (80%) Coralline algae (*Corillina officinalis*) (5%) Crustose algae (*Lithothamnium sp.*) (4%) Sourweed (*Desmarestia sp.*) (3%)

SC14 to SC15 – 2009 Marine Survey - Strait of Belle Isle Cable Crossing Corridors

Transect Distance (m)	Reach	Average Depth (m)	Video Time (min:sec)	Substrate Type (% Coverage)	Macrofauna (Estimated Abundance)	Macroflora (Estimated % Coverage)
95-100	20		38:35-39:55	Cobble (50%) Large boulder (26%) Small boulder (10%) Bedrock (10%) Organic (4%)	Periwinkle (*Littorina sp.*) (A)	Rock weed (*Fucus sp.*) (90%) Coralline algae (*Corillina officinalis*) (5%) Sourweed (*Desmarestia sp.*) (2%) Crustose algae (*Lithothamnium sp.*) (1%)

APPENDIX D

Substrate Distributions

APPENDIX D

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Figure D-4: Strait of Belle Isle – Dominant Detailed Substrate by Reach – 2009 Marine Survey 4

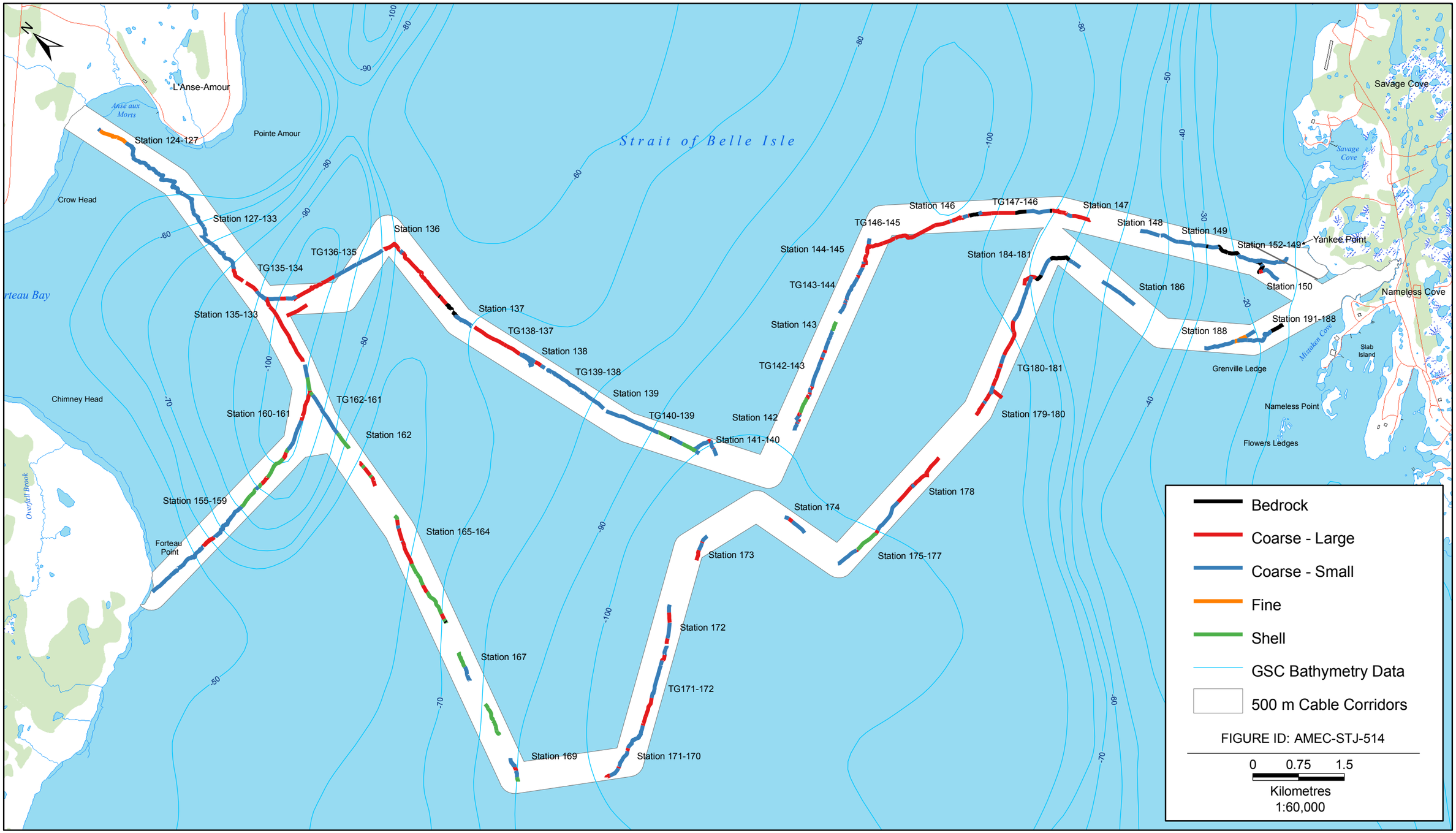

Figure D-1

Strait of Belle Isle - Dominant Broad Substrate by Reach - **2008** Marine **Survey**

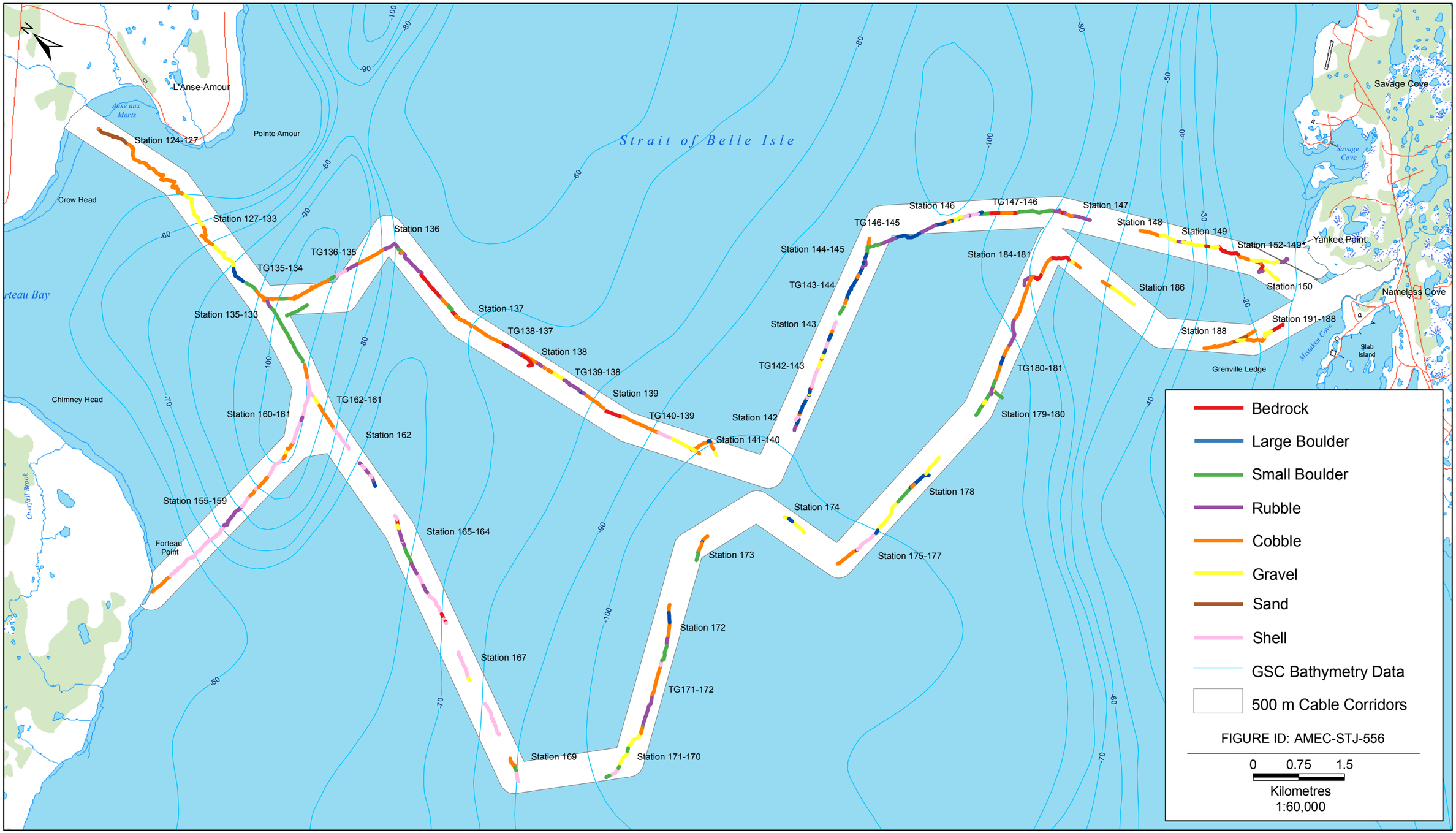

Figure D-2

Strait of Belle Isle - Dominant **Detailed Substrate** by Reach - **2008** Marine **Survey**

Yankee Point

Mistaken Cove

Nameless Cove

2009 Survey

NC-1
NC-2
NC-3
NC-4
NC-5
NC-6
NC-7

MC-1
MC-2
MC-3
MC-4
MC-5
MC-6
MC-7
MC-8
MC-9

SC-1
SC-2
SC-3
SC-4
SC-5
SC-6
SC-7
SC-8
SC-9
SC-10
SC-11
SC-12
SC-13
SC-14
SC-15

-10

Bedrock
Coarse - Large
Coarse - Small
Fine
2009 Survey Stations
2008 Video Survey Transect
GSC Bathymetry Data
500 m Cable Corridors

FIGURE ID: AMEC-STJ-557

0 100 200
Meters
1:5,000

N

Figure D-3

Strait of Belle Isle- Dominant **Broad Substrate** by Reach - **2009** Marine **Survey**

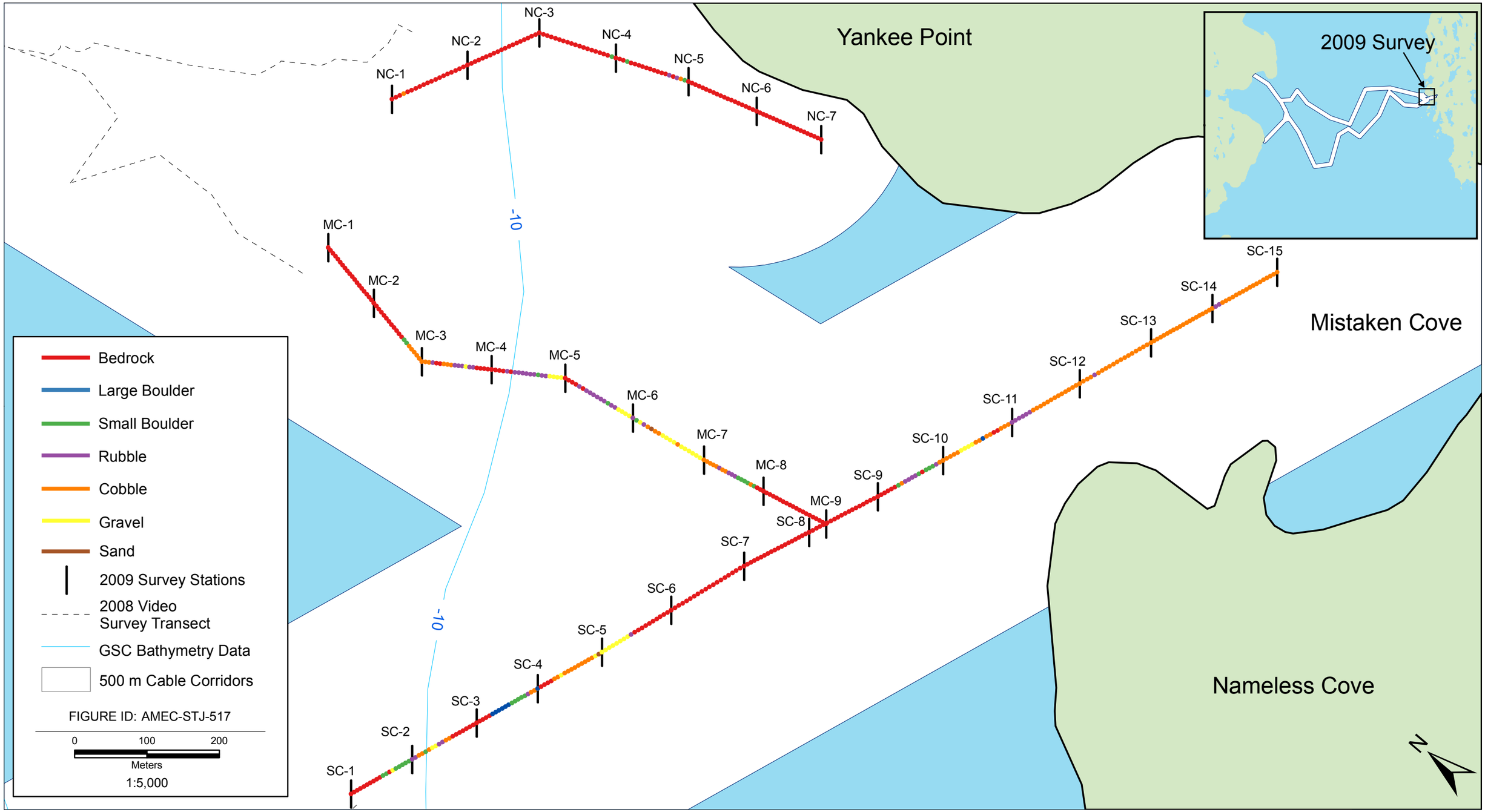

Figure D-4

Strait of Belle Isle - Dominant **D**etailed **Substrate by Reach - 2009** Marine **Survey**

APPENDIX E

Macrofauna, Substrate, and Macroflora Photographs

APPENDIX E

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Macrofauna

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Photo 2: Starfish (*Asterias sp.*)

Photo 3: Pale Urchin (*Strongylocentrotus pallidus*)

Photo 4: Hydroids

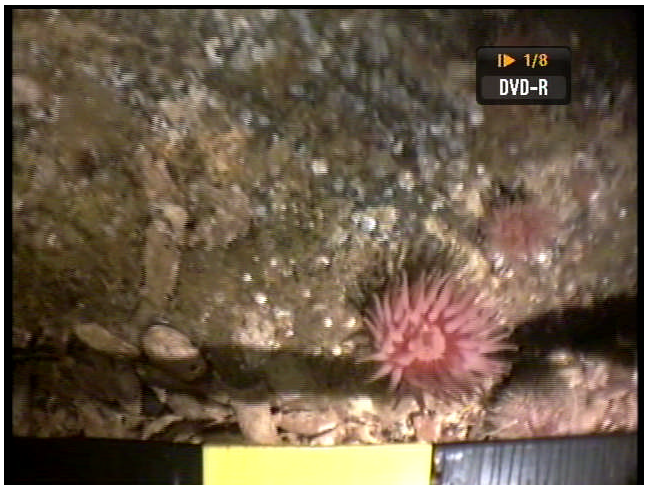

Photo 5: Sea Anemone

Photo 6: Toad Crab (*Hyas sp.*)

Photo 7: Stalked Sea Squirt (*Boltenia sp*.)

Photo 8: Bryozoans

Photo 9: Barnacle (*Balanus sp.*)

Photo 10: Deep Sea Scallop (*Placopecten magellanicus*)

Photo 11: Soft Coral (*Gersemia sp*.)

Photo 12: Icelandic Scallop (*Chlamys islandica*)

Photo 13: Sponge (Porifera)

Photo 14: Brittle Star (*Ophiuroidea sp*.)

Photo 15: Starfish (*Solaster sp*.)

Photo 16: Sea Squirt (Ascidiacae)

Photo 17: Basket Star (*Gorgonocephalus sp*.)

Photo 18: Snow Crab (*Chionoecetes opilio*)

Photo 19: Sea Cucumber (*Cucumaria frondosa*)

Photo 20: Sculpin (*Myoxocephalus sp.*)

Photo 21: Sand Dollar (*Echinarachnius parma*)

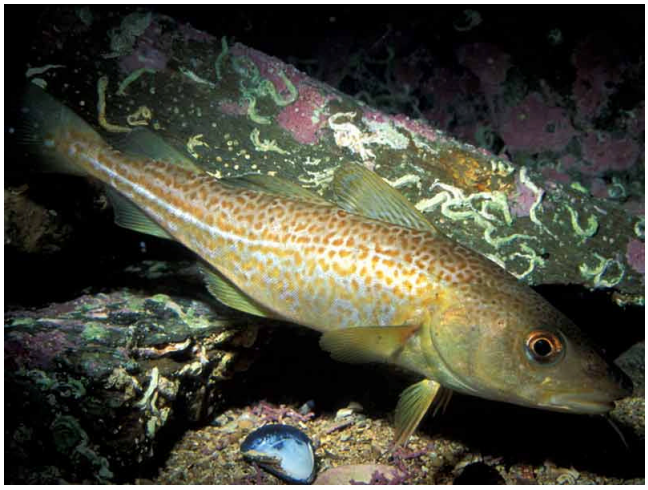

Photo 22: Atlantic Cod (*Gadus morhua*)

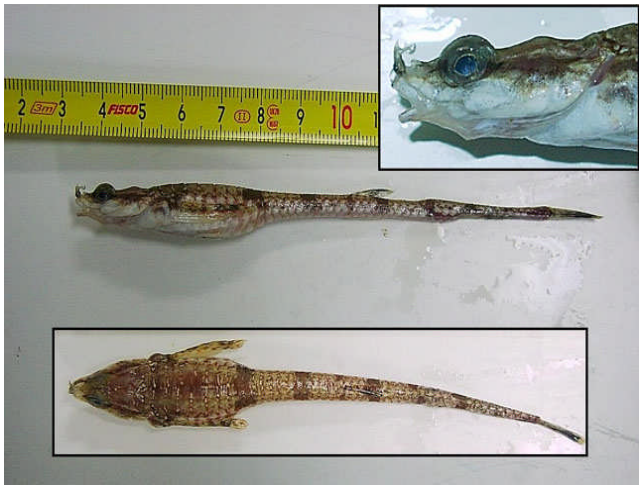

Photo 23: Alligatorfish (*Aspidophoroides monopteryguis*)

Photo 24: Blue Mussel (*Mytilus edulis*)

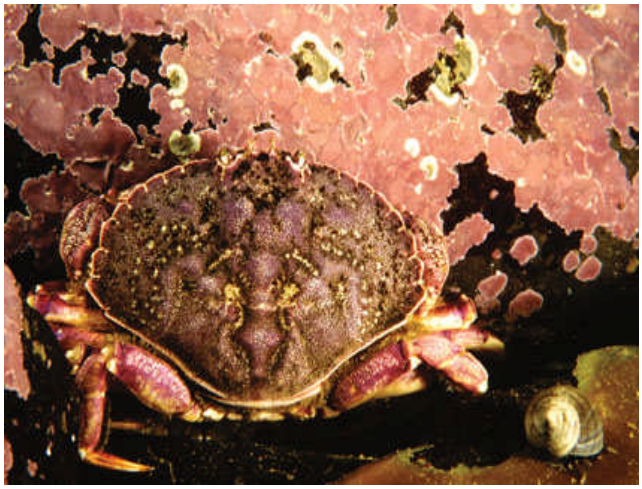

Photo 25: Rock Crab (*Cancer sp*.)

Photo 26: Cushion Star (*Asterina sp*.)

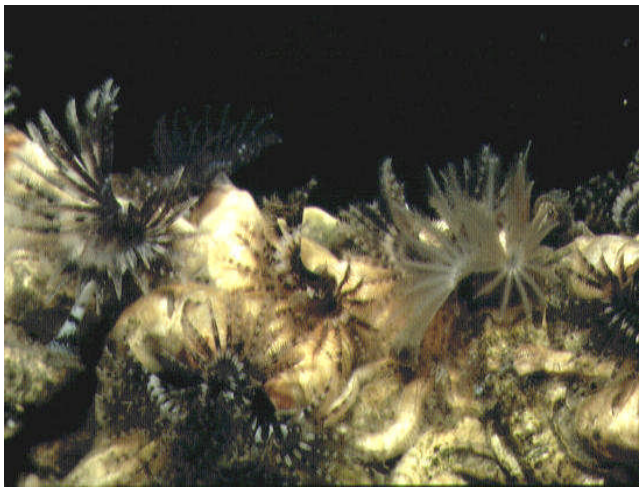

Photo 27: Fan Worm (Polychaete)

Photo 28: Whelk (*Buccinum sp.)*

Photo 29: Stalked Jellyfish (Stauromedusae)

Photo 30: Sea Anemone (*Metridium sp*.)

Photo 31: Green Urchin (*Strongylocentrotus droebachiensis*)

Photo 32: Hermit Crab (*Pagurus sp.*)

Photo 33: Gastropod (Gastropoda)

Photo 34: Pycnogonid (Pycnogonida)

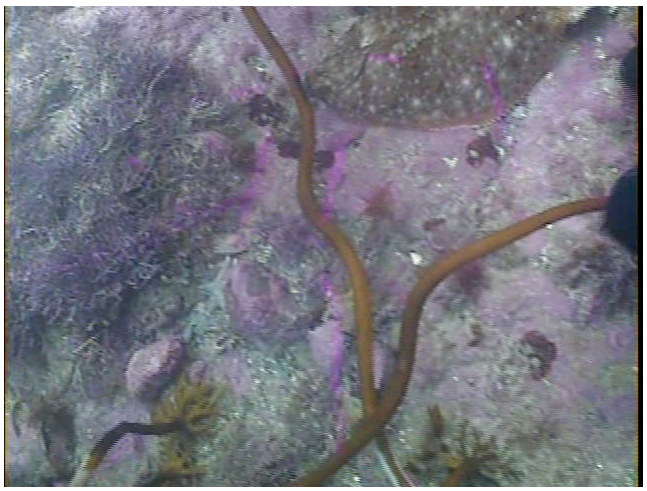

Photo 35: Winter Flounder (*Pseudopleuronectes americanus*)

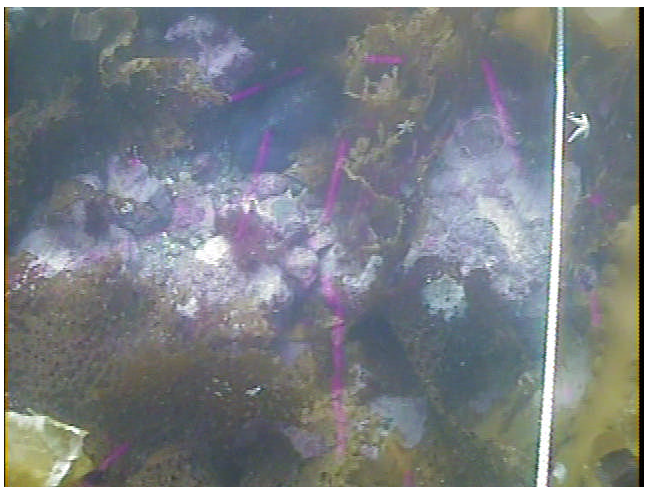

Photo 36: Ocean Pout (*Zoarces americanus*)

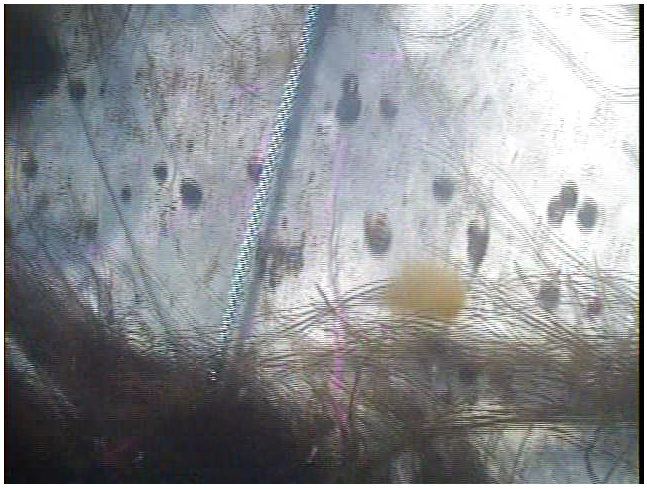

Photo 37: Periwinkles (*Littorina sp.*)

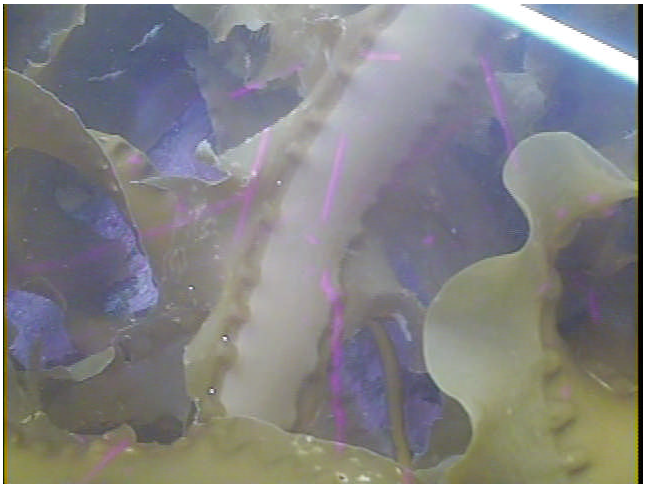

Photo 38: Shrimp (*Palaemonetes sp.*)

Photo 39: Limpet (Patellogastropoda)

Photo 40: Cunner (*Tautogolabrus adspersus*)

Substrates

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Photo 42: Coarse Small (Gravel)

Photo 43: Coarse Small (Cobble)

Photo 44: Coarse Large (Rubble)

Photo 45: Coarse Large (Small Boulder)

Photo 46: Coarse Large (Large Boulder)

Photo 47: Shell

Photo 48: Bedrock

Macroflora

Photo 49: Crustose Algae (*Lithothamnium sp.*)

Photo 50: Coralline Algae (various species)

Photo 51: Kelp (*Laminaria sp.*)

Photo 52: Sea Colander (*Agarum cribrosum*)

Photo 53: Knotted Wrack (*Ascophyllum nodosum*)

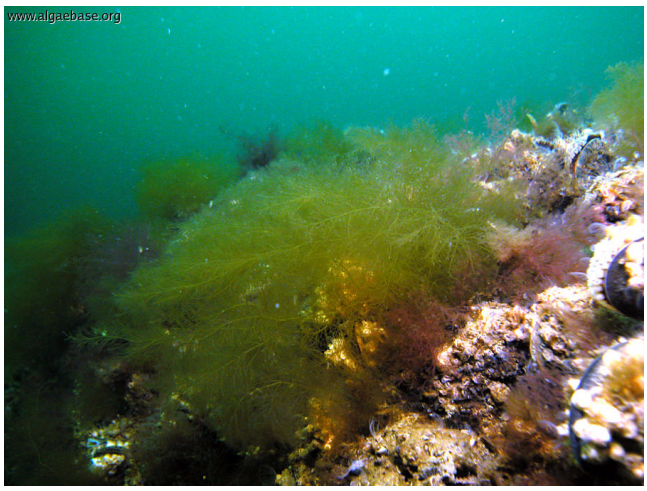

Photo 54: Sour Weed (*Desmarestia sp.*)

Photo 55: Rockweed (*Fucus sp*.)

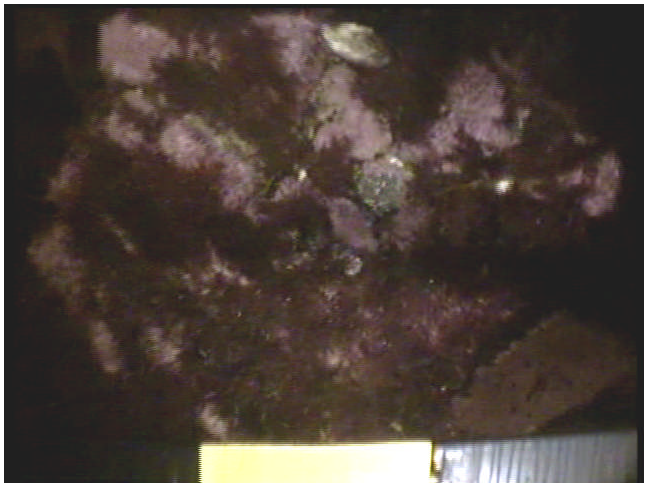

Photo 56: Red Fern (*Ptilota sp*.)

Photo 57: Green Filamentous Algae (Arachaeplastida)

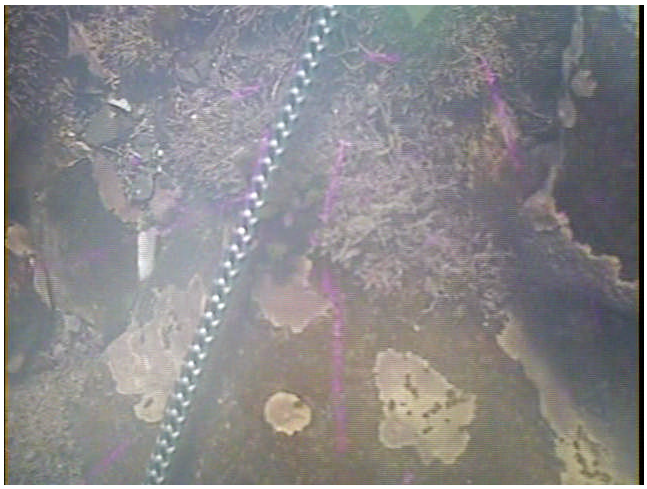

Photo 58: Coralline Algae (*Corillina officinalis*)

Photo 59: Dulse (*Palmaria palmata*)

Photo 60: Red Filamentous Algae (Dumontiaceae)

Photo 61: Sea Lettuce (*Ulva sp.*)

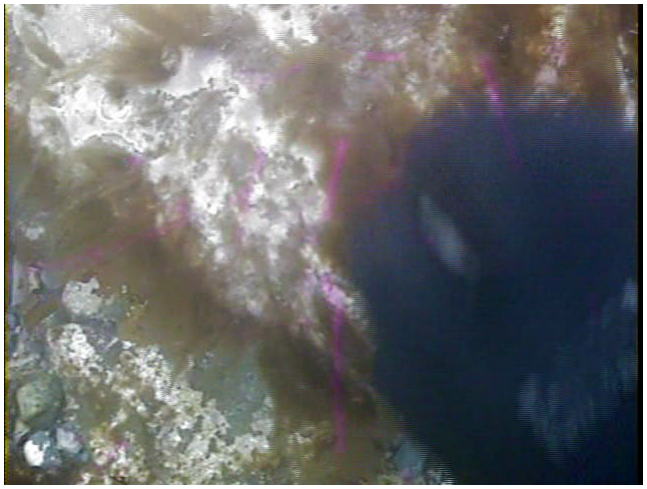

Photo 62: Brown Filamentous Algae (Phaeophyceae)

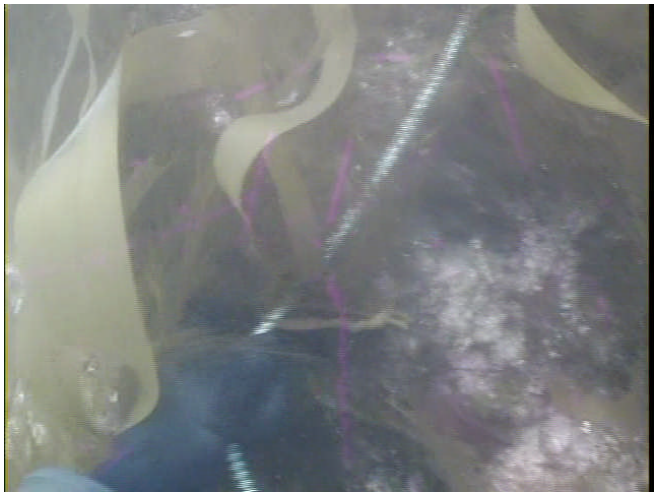

Photo 63: Edible Algae (*Alaria sp.*)

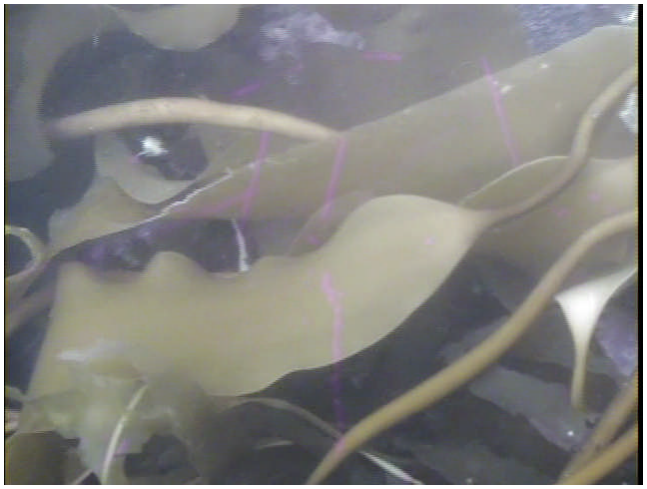

Photo 64: Kelp (*Laminaria longicruris*)

Photo 65: Kelp (*Laminaria digitata*)