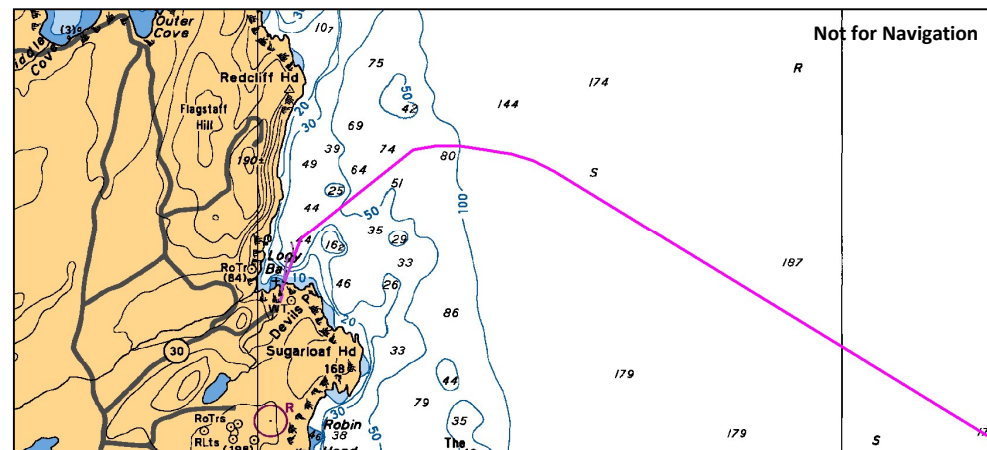
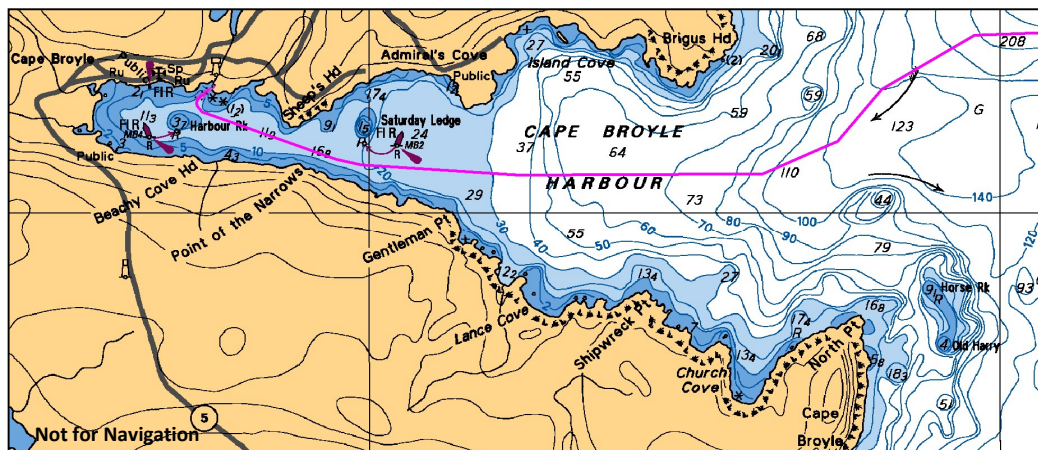
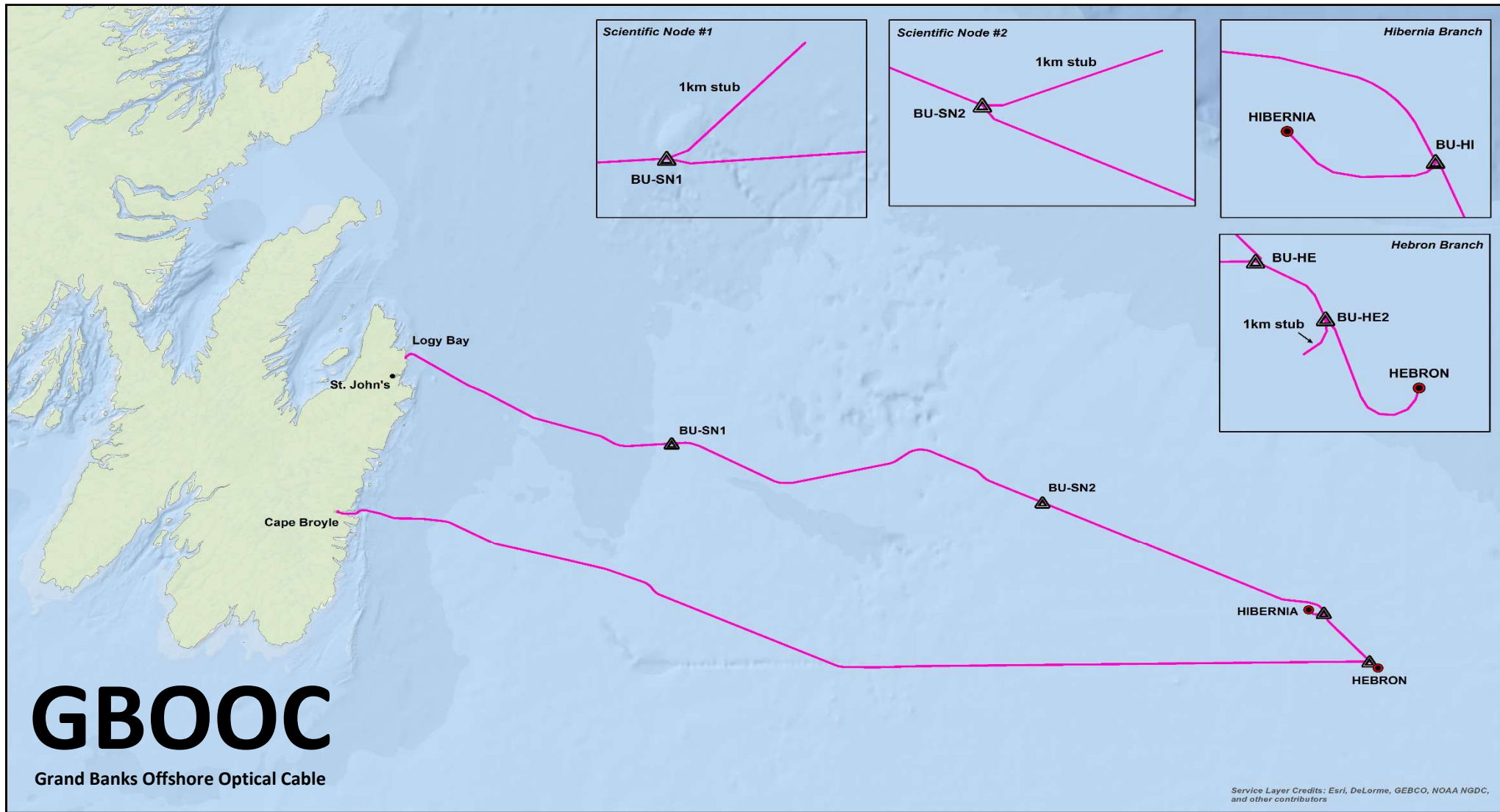
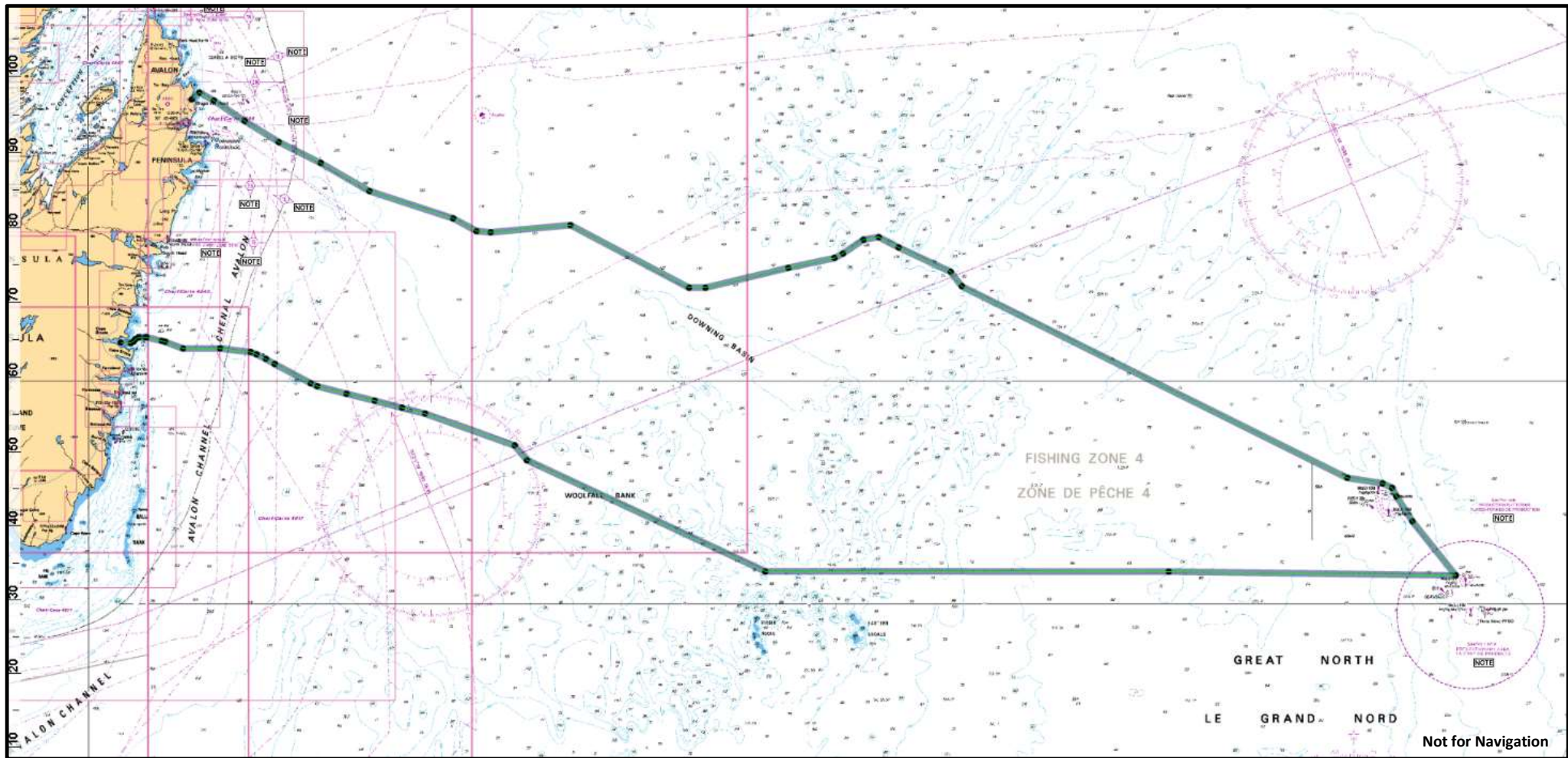






Not for Navigation

NOTICE OF UNDERSEA CABLE

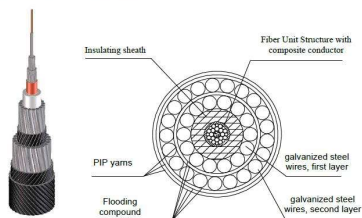
Grand Banks Offshore Optical Cable (GBOOC) System

The Grand Banks Offshore Optical Cable, GBOOC, was installed during the summer of 2016 to provide fibre optic telecommunications between the island of Newfoundland and the Hibernia and Hebron offshore oil production platforms. GBOOC is a loop, extending from Logy Bay to the platforms and back to Cape Broyle. The cable is laid on the seafloor and buried as much as possible.

Fibre Optic Cable

Fibre optic cable consists of an inner optical core of hair-thin glass fibres, wrapped in a single or double layer of galvanized steel wires, and is 35 mm (about 1 inch) in diameter. Close to shore, in 0 – 10 m depths, GBOOC is inside jointed, steel pipe. The GBOOC voltage is 3000 volts.

Figure 6 – Double Armoured Cable (DA)



Cable Location

Navigation chart #4049 has been updated to include the GBOOC loop and Chart #4845 includes a portion of the approach into Cape Broyle. The GBOOC is also described in the Notice to Mariners. The coordinates have been provided in the past to FFAW, Atlantic Seafood Processors, fishing companies, science community and more. The GBOOC coordinates are on this chart and on the Hebron and Hibernia websites: www.HebronProject.com/safety/index.aspx and www.Hibernia.ca/she.html.

The Risk of Snagging

Under international law, fishers must avoid damaging GBOOC. The entire cable route should be treated with caution.

Vessels most at risk of snagging the cable are those with towed gear such as bottom trawls and dredges. Entanglement potentially can lead to gear damage and affect the stability of the vessel.

Emergency Procedure

If you suspect that you have snagged GBOOC:

1. Do not attempt to recover your gear.
2. Call the emergency telephone number.

Contacts:

**24 hour Emergency Tel: 1-800-650-0046
1-709-570-7589**

Email: Cable.operations@exxonmobil.com

ExxonMobil Canada Properties
Suite 1000, Cabot Place
100 New Gower Street
St. John's, NL A1C 6K3

MAIN CABLE POSITION (NAD 83)

ID	LATITUDE	LONGITUDE	DEPTH (m)	COMMENT
1	47° 37' 31" N	52° 39' 48" W	0	Logy Bay
2	47° 37' 32" N	52° 39' 48" W	1	
3	47° 37' 52" N	52° 39' 38" W	45	
4	47° 38' 23" N	52° 38' 40" W	81	
5	47° 38' 25" N	52° 38' 28" W	83	
6	47° 38' 25" N	52° 38' 16" W	95	
7	47° 38' 22" N	52° 37' 50" W	143	
8	47° 38' 19" N	52° 37' 39" W	151	
9	47° 38' 16" N	52° 37' 28" W	161	
10	47° 32' 10" N	52° 23' 25" W	165	
11	47° 30' 48" N	52° 19' 9" W	162	
12	47° 25' 37" N	52° 6' 14" W	149	
13	47° 22' 6" N	51° 49' 15" W	173	
14	47° 21' 53" N	51° 48' 30" W	174	
15	47° 20' 28" N	51° 45' 8" W	168	
16	47° 20' 15" N	51° 44' 24" W	167	
17	47° 20' 7" N	51° 43' 38" W	168	
18	47° 19' 59" N	51° 42' 22" W	165	
19	47° 19' 59" N	51° 41' 35" W	164	
20	47° 20' 34" N	51° 30' 25" W	124	BU-SN1
21	47° 20' 33" N	51° 30' 20" W	124	
22	47° 20' 45" N	51° 26' 55" W	122	
23	47° 20' 43" N	51° 26' 4" W	122	
24	47° 20' 36" N	51° 25' 15" W	121	
25	47° 20' 4" N	51° 23' 9" W	122	
26	47° 12' 52" N	51° 3' 49" W	139	
27	47° 12' 39" N	51° 3' 0" W	140	
28	47° 12' 33" N	51° 2' 11" W	141	
29	47° 12' 31" N	50° 59' 39" W	140	
30	47° 12' 34" N	50° 58' 50" W	139	
31	47° 16' 26" N	50° 34' 7" W	107	
32	47° 16' 38" N	50° 33' 22" W	107	
33	47° 16' 54" N	50° 32' 37" W	108	
34	47° 18' 47" N	50° 28' 55" W	113	
35	47° 19' 1" N	50° 28' 14" W	110	
36	47° 19' 12" N	50° 27' 26" W	107	
37	47° 19' 18" N	50° 26' 35" W	104	
38	47° 19' 18" N	50° 25' 45" W	106	
39	47° 19' 12" N	50° 24' 34" W	108	
40	47° 19' 2" N	50° 23' 48" W	101	
41	47° 15' 12" N	50° 12' 23" W	88	
42	47° 14' 54" N	50° 11' 43" W	94	
43	47° 14' 33" N	50° 11' 7" W	95	
44	47° 13' 24" N	50° 9' 41" W	84	
45	47° 13' 3" N	50° 9' 5" W	84	
46	47° 12' 44" N	50° 8' 17" W	85	
47	47° 8' 10" N	49° 54' 42" W	78	BU-SN2
48	47° 8' 8" N	49° 54' 40" W	78	
49	46° 47' 18" N	48° 53' 58" W	78	
50	46° 47' 8" N	48° 53' 15" W	77	
51	46° 46' 30" N	48° 47' 13" W	81	
52	46° 46' 3" N	48° 45' 11" W	82	
53	46° 45' 55" N	48° 44' 49" W	82	
54	46° 45' 45" N	48° 44' 29" W	82	
55	46° 45' 32" N	48° 44' 11" W	82	
56	46° 45' 18" N	48° 43' 56" W	82	
57	46° 45' 4" N	48° 43' 44" W	82	
58	46° 44' 14" N	48° 43' 14" W	82	BU-HI
59	46° 44' 10" N	48° 43' 7" W	81	
60	46° 42' 58" N	48° 42' 29" W	82	
61	46° 42' 30" N	48° 42' 6" W	81	
62	46° 34' 5" N	48° 31' 59" W	92	
63	46° 34' 3" N	48° 32' 3" W	92	BU-HE
64	46° 34' 35" N	50° 27' 20" W	96	
65	46° 34' 23" N	50° 38' 4" W	91	
66	46° 34' 30" N	50° 46' 7" W	81	
67	46° 34' 34" N	50° 46' 54" W	77	
68	46° 34' 43" N	50° 47' 40" W	78	
69	46° 49' 16" N	51° 33' 18" W	90	
70	46° 49' 35" N	51° 33' 57" W	91	
71	46° 50' 4" N	51° 34' 40" W	91	
72	46° 50' 58" N	51° 35' 37" W	98	
73	46° 51' 23" N	51° 36' 13" W	95	
74	46° 51' 42" N	51° 36' 54" W	96	
75	46° 51' 58" N	51° 37' 39" W	98	
76	46° 54' 31" N	51° 47' 13" W	140	
77	46° 56' 43" N	51° 59' 33" W	140	
78	46° 59' 19" N	52° 14' 57" W	129	
79	46° 59' 32" N	52° 15' 45" W	125	
80	47° 3' 44" N	52° 27' 16" W	137	
81	47° 3' 55" N	52° 28' 2" W	140	
82	47° 4' 2" N	52° 28' 51" W	143	
83	47° 4' 30" N	52° 34' 39" W	147	
84	47° 4' 27" N	52° 41' 32" W	164	
85	47° 4' 31" N	52° 41' 57" W	171	
86	47° 5' 23" N	52° 45' 14" W	166	
87	47° 5' 58" N	52° 48' 48" W	196	
88	47° 6' 0" N	52° 49' 38" W	199	
89	47° 5' 59" N	52° 50' 12" W	196	
90	47° 5' 41" N	52° 50' 56" W	144	
91	47° 5' 24" N	52° 51' 17" W	124	
92	47° 5' 13" N	52° 51' 53" W	100	
93	47° 5' 13" N	52° 53' 49" W	36	
94	47° 5' 16" N	52° 55' 4" W	20	
95	47° 5' 18" N	52° 55' 16" W	18	
96	47° 5' 34" N	52° 56' 20" W	14	
97	47° 5' 36" N	52° 56' 22" W	14	
98	47° 5' 37" N	52° 56' 22" W	13	
99	47° 5' 38" N	52° 56' 22" W	12	
100	47° 5' 41" N	52° 56' 17" W	8	
101	47° 5' 42" N	52° 56' 14" W	0	Cape Broyle

SCIENTIFIC NODE #1 STUB

ID	Latitude	Longitude	Depth (m)	Comment
	47° 20' 34" N	51° 30' 25" W	125	BU-SN1
	47° 20' 35" N	51° 30' 21" W	125	
	47° 20' 52" N	51° 29' 57" W	125	Sealed End

SCIENTIFIC NODE #2 STUB

ID	Latitude	Longitude	Depth (m)	Comment
47° 8' 10" N	49° 54' 42" W	78	BU-SN2	
47° 8' 10" N	49° 54' 38" W	78		
47° 8' 19" N	49° 54' 3" W	78	Sealed End	

BRANCH TO HIBERNIA

ID	Latitude	Longitude	Depth (m)	Comment
46° 44' 14" N	48° 43' 14" W	82	BU-HI	
46° 44' 6" N	48° 43' 18" W	82		
46° 44' 1" N	48° 43' 29" W	82		
46° 43' 57" N	48° 43' 48" W	82		
46° 43' 57" N	48° 45' 11" W	80		
46° 44' 4" N	48° 45' 55" W	80		
46° 44' 16" N	48° 46' 19" W	78		
46° 44' 57" N	48° 47' 5" W	78	Hibernia	

BRANCH TO HEBRON

ID	Latitude	Longitude	Depth (m)	Comment
	46° 34' 3" N	48° 32' 3" W	92	BU-HE
	46° 33' 46" N	48° 31' 23" W	93	
	46° 33' 40" N	48° 31' 16" W	93	
	46° 33' 24" N	48° 31' 8" W	93	BU-HE2
	46° 33' 17" N	48° 31' 1" W	93	
	46° 32' 33" N	48° 30' 42" W	93	
	46° 32' 25" N	48° 30' 37" W	93	HEBRON
	46° 32' 21" N	48° 30' 27" W	93	
	46° 32' 19" N	48° 30' 15" W	93	
	46° 32' 23" N	48° 30' 4" W	93	
	46° 32' 30" N	48° 29' 57" W	92	
	46° 32' 37" N	48° 29' 54" W	92	

HEBRON BRANCH STUB

ID	Latitude	Longitude	Depth (m)	Comment
	46° 33' 24" N	48° 31' 8" W	93	BU-HE2
	46° 33' 16 " N	48° 31' 8" W	93	
	46° 33' 9" N	48° 31' 12" W	93	
	46° 33' 1" N	48° 31' 24" W	93	Sealed End