

# KNOWN OBSTACLES AT AXIAL SEAMOUNT

## information for summer 2011 field operations

### NeMO INSTRUMENT MOORING POSITIONS

Items suspended above the bottom (as of fall 2010 AFTER Axial 2010 cruise)

Instrument	Longitude	Latitude	Depth of instrument on bottom	Height of mooring (glass ball flotation)	Depth of top of mooring
NeMO2010-center-BPR	-130° 00.574'	45° 57.328'	1550	15	1535
NeMO2009-middle-BPR	-129° 59.984'	45° 56.559'	1543	15	1528
NeMO2009-south-BPR	-129° 59.993'	45° 56.047'	1541	15	1526
RAS @ Mkr33	-129° 58.936'	45° 55.988'	1520	40	1480
OBH-1 (South)	-129° 58.914'	45° 55.089'	1555	30	1525
OBH-3 (East)	-129° 58.687'	45° 56.526'	1534	30	1504
OBH-4 (North)	-130° 00.524'	45° 57.635'	1553	30	1523

**NeMO TRANSPONDER POSITIONS.** All Benthos XT-6000's, a 17-inch glass ball floating at the top of a 200-m long mooring line made of parachute chord. All were deployed in 2003 and used during cruises in 2003 2004, and 2007. They all interrogate at 9.0 kHz.

Reply Frequency (kHz)	UTM X	UTM Y	Long (decimal degrees)	Lat (decimal degrees)	Depth (top of 200-m high mooring)	Enable Code	Disable Code
<b>Lava Net</b>							
10.5	424368	5088261	-129.975763	45.943750	1308.21	A	B
8.5	424349	5086129	-129.975673	45.924567	1320.87	A	B
11.5	422407	5086195	-130.000728	45.924940	1326.71	A	B
7.5	421926	5087976	-130.007223	45.940918	1336.26	A	B
<b>CASM Net</b>							
8.0	421279	5093140	-130.016412	45.987312	1363.79	A	B
10.0	420510	5094426	-130.026552	45.998798	1306.48	A	B
9.5	419661	5093074	-130.037288	45.986528	1277.21	A	B