

**Table 1.** Primary work sites for AT18-08.

<b>Location ID</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Water depth (m)</b>	<b>Days/dives on site</b>	<b>Distance to San Diego, CA, initial port (nmi)</b>	<b>Distance to Astoria OR, final port (nmi)</b>
CORK 1026B	47°45.759'N	127°45.552'W	2658	1-3	17.059	185.3
CORK 1027C	47°45.387'N	127°43.867'W	2656	1	17.044	186.4
CORK 1301A	47°45.209'N	127°45.833'W	2658	1-3	17.053	186.4
CORK 1301B	47°45.229'N	127°45.826'W	2658	1-3	17.053	186.5
CORK 1362A	47°45.662'N	127°45.674'W	2658	1-3	17.058	186.5
CORK 1362B	47°45.499'N	127°45.733'W	2658	1-3	17.056	226.0
CORK 1024C	47°54.531'N	128°45.005'W	2612	1	17.544	185.3

**Table 2.** Summary of tasks to be completed at each of the CORKs in Summers 2011 and 2012.

Location ID	<sup>1</sup> Attach/Exchange OS	<sup>2</sup> Active fluid/MBIO sampling	<sup>3</sup> Deploy/recover flowmeter	<sup>4</sup> Recover/deploy MBIO sled	<sup>5</sup> Download P data	<sup>6</sup> Retrofit P logging
CORK 1026B	E: 2011 E: 2012	2011 2012			[Neptune]	
CORK 1027C					2011? 2012	2011
CORK 1301A	E: 2011 E: 2012	2011 2012		R: 2011, D: 2011? R/D: 2012?	2011 2012	
CORK 1301B	E: 2011 E: 2012	2011 2012		D: 2011? R/D: 2012?	2011 2012	2011? 2012?
CORK 1362A	A: 2011 E: 2012	2011 2012	D: 2012?	D: 2011 R/D: 2012??	2011 2012	
CORK 1362B	A: 2011 E: 2012	2011 2012	D: 2011 R: 2012	D: 2011? R/D: 2012?	2011 2012	
CORK 1024C					2011	

<sup>1</sup> OS = OsmoSampler. Several different kinds of OsmoSampler systems are to be deployed on and recovered from CORK wellheads, as described in the text. A = attach. E = exchange.

<sup>2</sup> Active sampling means using mechanical pumps to draw fluids from wellheads, or sampling from direct flow from overpressured formations.

<sup>3</sup> Flowmeter is most likely to be deployed on wellhead at Hole 1362B, but could be deployed on at Hole 1362A if desired (will depend on how these systems are seen to function early in the dive sequence). D = deploy. R = recover.

<sup>4</sup> Microbiology sampling sled was left to draw fluids from CORK in Hole 1301A during Summer 2010 Atlantis/Jason expedition (immediately prior to IODP Expedition 327). This system will be recovered in Summer 2011, and could be redeployed here or at another location. D = deploy. R = recover.

<sup>5</sup> Pressure and temperature logging systems installed with CORK in Hole 1026B are currently being downloaded automatically with the Neptune Canada cabled network. Hole 1027C currently contains an older generation of pressure data logger, which we will attempt to recover during AT18-08. We may attempt a data download from this logger prior to or *in lieu* of recovery. In addition, there will be at least one data download if we are successful in deploying the new pressure logging system for Hole 1027C.

<sup>6</sup> We will attempt to retrofit the older generation of CORK installed in Hole 1027C so that we can monitor pressure using new instrumentation. Depending on success of this operation, and conditions and Jason capabilities at Hole 1301B, we may attempt a similar set of retrofit operations on that CORK as well.

**Table 3.** Distances between CORK systems, in meters, located in the primary work area for AT18-08.

	<b>Hole 1026B</b>	<b>Hole 1362A</b>	<b>Hole 1362B</b>	<b>Hole 1027C</b>	<b>Hole 1301B</b>	<b>Hole 1301A</b>
<b>Hole 1026B</b>		235	532	2199	1039	1076
<b>Hole 1362A</b>	235		311	2296	825	861
<b>Hole 1362B</b>	532	311		2322	514	550
<b>Hole 1027C</b>	2199	2296	2322		2446	2458
<b>Hole 1301B</b>	1039	825	514	2446		36
<b>Hole 1301A</b>	1076	861	550	2458	36	

**Table 4.** Secondary work sites for AT18-08. Clearance sought from State Department in case all primary tasks are completed and time remains on the schedule.

<b>Location ID</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Water depth (m)</b>	<b>Clearance radius (nmi)</b>
Mama Bare	47°50.0'N	127°45.0'W	2675-2530	2
Papa Bare	47°51.0'N	127°37.0'W	2665-2400	3
Zona Bare	48°11.0'N	127°33.0'W	2580-2500	2