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Seq# 003				Line Name: MGL2208003N03		NAVIGATION		DATE: 2022-08-06																			
				Line Brg : 13 °		LINE LOGS		JULIAN DAY: 217																			
CLIENT: NSF - Glenn Spinelli				SURVEY: MCS		AREA: Cascadia																					
DC SOL: -22.0 m DC EOL: -7.3 m BSP SOL: 4.8 kts BSP EOL: 4.6 kts WEATHER				DEPTH SOL : 2769.0 m DEPTH EOL : 2716.0 m FEATHER SOL: -25.8 ° FEATHER EOL: -3.2 ° MAX FEATHER:				NAVIGATION SYSTEM USED: C-Nav3050 - Primary NAVIGATION SYSTEM USED: SeaPath 330 NAVIGATION SYSTEM USED: C-Nav3050-Stern Mounted GRAVITY METER: BMG-II: used, SN223 MAGNETOMETER: Geometrics 882																			
WIND SOL: 10 kts WIND EOL: 19 kts SEAS SOL: 1.5 m SEAS EOL: 1.5 m				shift hours 12:00 - 24:00 0:00-12:00		Nav Cody Bahlau Paul Parolski jr		shift hours 12:00 - 24:00 00:00 - 12:00		Acq																	
SP		UTC	EVENT	COMMENTS																							
3974	974	9:00	SOL	SOL - Full Volume, 2 x GI Guns @ 90 cu in																							
4800	1800	11:19	EOL	EOL - Full Volume, 2 x GI Guns @ 90 cu in																							
				<table border="1"> <thead> <tr> <th colspan="4">VESSEL POSITION</th> </tr> <tr> <th></th> <th>Shotpoints</th> <th>Latitude (N)</th> <th>Longitude (W)</th> </tr> </thead> <tbody> <tr> <td>FSP</td> <td>3974</td> <td>44°59'48.53"</td> <td>126°19'40.15"</td> </tr> <tr> <td>LSP</td> <td>4800</td> <td>45°10'42.89"</td> <td>126°16'24.39"</td> </tr> </tbody> </table>								VESSEL POSITION					Shotpoints	Latitude (N)	Longitude (W)	FSP	3974	44°59'48.53"	126°19'40.15"	LSP	4800	45°10'42.89"	126°16'24.39"
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FSP	3974	44.99682	126.32782																								
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COS - CNG	101.00m																										
NRP - CMP	350.80m																										
Posnet locations & remarks: good - none - intermittent				Forward	Center																						
Tailbuoy #1	Failed	Failed	Gun string #1	GOOD	GOOD																						
				SP spacing: 25.0m																							
				line status: Complete																							

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Seq# 006				Line Name: MGL2208006N07		NAVIGATION		DATE: 2022-08-06													
				Line Brg : 233 °		LINE LOGS		JULIAN DAY: 217													
CLIENT: NSF - Glenn Spinelli				SURVEY: MCS		AREA: Cascadia															
DC SOL: 1.5 m		DEPTH SOL : 2723.0 m		NAVIGATION SYSTEM USED: C-Nav3050 - Primary																	
DC EOL: 638.2 m		DEPTH EOL : 2786.0 m		NAVIGATION SYSTEM USED: SeaPath 330																	
BSP SOL: 5.0 kts		FEATHER SOL: 3.46 °		NAVIGATION SYSTEM USED: C-Nav3050-Stern Mounted																	
BSP EOL: 5.0 kts		FEATHER EOL: -15.27 °																			
WEATHER		MAX FEATHER: -15.27 °																			
WIND SOL: 23 kts						GRAVITY METER: BMG-II: used, SN223															
WIND EOL: 26.7 kts						MAGNETOMETER: Geometrics 882															
SEAS SOL: 1.5 m		shift hours Nav shift hours Acq																			
SEAS EOL: 0.0 m		12:00 - 24:00 Cody Bahlau 12:00 - 24:00																			
		0:00-12:00 Paul Parolski jr 00:00 - 12:00																			
SP		UTC	EVENT	COMMENTS																	
7013	1013	17:33	SOL	SOL - Full Volume, 2 x GI Guns @ 90 cu in																	
7833	1833	19:51	EOL	EOL - Full Volume, 2 x GI Guns @ 90 cu in																	
				VESSEL POSITION																	
				Shotpoints		Latitude (N)		Longitude (W)													
				7013		45°08'13.58"		126°12'05.10"													
				LSP		7833		45°02'06.95"		126°25'11.70"											
						Latitude (N)		Longitude (W)													
				FSP		7013		45.13711		126.20142											
				LSP		7833		45.03527		126.41992											
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Posnet locations & remarks: good - none - intermittent				Forward	Center																
Tailbuoy #1	Failed	Failed	Gun string #1	GOOD	GOOD																
						SP spacing:		25.0m													
						line status:		Complete													

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Seq# 009		Line Name: MGL2208009P02		NAVIGATION		DATE: 2022-08-13		Lamont-Doherty Earth Observatory COLUMBIA UNIVERSITY EARTH INSTITUTE																
		Line Brg : 198.8 °		LINE LOGS		JULIAN DAY: 225																		
CLIENT: NSF - Glenn Spinelli		SURVEY: MCS		AREA: Cascadia																				
DC SOL: -0.3 m		DEPTH SOL : 2901.0 m		NAVIGATION SYSTEM USED: C-Nav3050 - Primary																				
DC EOL: -17.1 m		DEPTH EOL : 2908.0 m		NAVIGATION SYSTEM USED: SeaPath 330																				
BSP SOL: 6.1 kts		FEATHER SOL: -2.6 °		NAVIGATION SYSTEM USED: C-Nav3050-Stern Mounted																				
BSP EOL: 5.2 kts		FEATHER EOL: -0.13 °																						
WEATHER		MAX FEATHER: 3.52 °				GRAVITY METER: BMG-II: used, SN223																		
WIND SOL: NW 11 kts						MAGNETOMETER: Geometrics 882																		
WIND EOL: NW 9 kts																								
SEAS SOL: 1.0 m		shift hours		Nav		shift hours		Acq																
SEAS EOL: 1.0 m		12:00 - 24:00		Cody Bahlau		12:00 - 24:00																		
		0:00-12:00		Paul Parolski jr		00:00 - 12:00																		
SP	UTC	EVENT	COMMENTS																					
12059	1059	22:37	SOL	SOL - MGL2208009P02 - 2 Guns @ 90 cu in																				
12469-12493	1449-1493	23:36		Guns did not fire - 0 Guns @ 0 cu in																				
12494	1494	23:40		First Good Shot Point																				
12620	1620	23:59	MSP																					
12623	1623	0:00	EOL	EOL - MGL2208009P02 - 2 Guns @ 90 cu in																				
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					SP spacing: 25.0m																			
					line status: Complete																			

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Seq# 017		Line Name: MGL2208017P11		NAVIGATION		DATE: 2022-08-17		 											
		Line Brg : 10.6 °		LINE LOGS		JULIAN DAY: 229													
		CLIENT: NSF - Glenn Spinelli		SURVEY: MCS		AREA: Cascadia													
DC SOL: 2.6 m		DEPTH SOL : 2977.7 m		NAVIGATION SYSTEM USED: C-Nav3050 - Primary															
DC EOL: -310.4 m		DEPTH EOL : 2922.8 m		NAVIGATION SYSTEM USED: SeaPath 330															
BSP SOL: 4.0 kts		FEATHER SOL: 7.49 °		NAVIGATION SYSTEM USED: C-Nav3050-Stern Mounted															
BSP EOL: 4.7 kts		FEATHER EOL: -6.01 °																	
WEATHER		MAX FEATHER: 7.91 °																	
WIND SOL: N 24.8 kts				GRAVITY METER: BMG-II: used, SN223															
WIND EOL: N 17 kts				MAGNETOMETER: Geometrics 882															
SEAS SOL: 2.0 m		shift hours Nav shift hours Acq																	
SEAS EOL: 1.5 m		12:00 - 24:00 Cody Bahlau																	
		0:00-12:00 Paul Parolski Jr																	
SP		UTC	EVENT	COMMENTS															
34143	1143	22:49	SOL	SOL - MGL 2208017P11 - 2 Guns @ 90 cu in															
34495	1495	23:59	MSP	Last shot of the Day; 8/17/2022															
36984	3984	8:23	EOL	EOL - MGL 2208017P11 - 2 Guns @ 90 cu in															
				VESSEL POSITION															
				Shotpoints		Latitude (N)		Longitude (W)											
				34143		43°42'42.62"		126°31'29.22"											
				36984		44°20'12.43"		126°20'18.95"											
						Latitude (N)		Longitude (W)											
				34143		43.711839		-126.524784											
				36984		44.336787		-126.338598											
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Posnet locations & remarks: good - none - intermittent				Forward	Center														
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