



VESSEL <b>Northwest Explorer</b>			CRUISE ID <b>NW1404</b>			PROJECT & LEG ( if needed) GOA leg <i>za</i>			CTD FileName (None if data is live feed) <i>ctd070</i>					
CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE		(note if not)		GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(m)			
<i>070</i>	<i>58</i>	<i>17.3056</i>	<i>N</i>	<i>138</i>	<i>05.3398</i>	<i>W</i>	<i>06</i>	<i>AUG</i>	<i>1 4</i>	<i>0037</i>	<i>130</i>	<i>70</i>	<i>SE030</i>	
Sensor IDs (initially & swap-outs)											CTD MAX. DEPTH <i>= 120</i>			

## Sensor IDS (initially & swap-outs)

CTD MAX. DEPTH  
= 120

SBE type and S/N

## Weather:

PRESS S/N

TEMP 1 &2 SNs

COND 1&2

**FLUOR SN**

U2 (SBE43) S/N

Transfass 311

2020-10-24

First cast w/ new splice.

VESSEL <b>Northwest Explorer</b>	CRUISE ID <b>NW1404</b>	PROJECT & LEG ( if needed) GOA leg 2a	CTD FileName (None If data is live feed) <b>ctd071</b>
CTD consec CAST #	LATITUDE	LONGITUDE	GMT DATE (note if not)
	DEG	MIN	DAY MO YR HR MIN (°C)
071	58	03.6160 N	138 12.2743 W 06 AUG 14 14 59
Sensor IDs (initially & swap-outs)			CTD MAX. DEPTH = 168

**Weather:**

**COMMENT:** Difficult conditions, factors that may affect measurements or aid processing

Blank chl-a



VESSEL Northwest Explorer			CRUISE ID NW1404			PROJECT & LEG ( if needed) GOA leg 7a				CTD FileName (None if data is live feed) Ctd073																																																																																																																																																																																																																									
CTD consec CAST #	LATITUDE		LONGITUDE			GMT DATE			GMT (note if not)		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID																																																																																																																																																																																																																					
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073	57	43.5017	N	139	17.2553	W	06	AUG	1	4	22 36		3218	73	SEN80																																																																																																																																																																																																																				
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O2 SBE42S/N																																																																																																																																																																																																																																			
<table border="1"> <thead> <tr> <th rowspan="2">Nisk #</th> <th rowspan="2">DEPTH DESIRED</th> <th colspan="3">Rosette Notes</th> <th colspan="3">Hydro Team-PMEL</th> <th rowspan="2">GFF vol</th> <th rowspan="2">&gt;10 Large Vol</th> <th rowspan="2">GFF dup vol</th> <th rowspan="2">&gt;10 dup vol (large)</th> <th rowspan="2">POC 500 ml</th> <th rowspan="2"></th> <th rowspan="2">Comments or other samples</th> <th rowspan="2">Nisk #</th> </tr> <tr> <th></th> <th>SALT Btl</th> <th>Nut.Btl</th> <th></th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> <tr><td>2</td><td>0</td><td></td><td></td><td>334</td><td></td><td></td><td></td><td>250</td><td></td><td>250</td><td></td><td></td><td></td><td></td><td>2</td></tr> <tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>3</td></tr> <tr><td>4</td><td>20</td><td></td><td></td><td>335</td><td></td><td></td><td></td><td>250</td><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td></tr> <tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>5</td></tr> <tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>6</td></tr> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>7</td></tr> <tr><td>8</td><td>40</td><td></td><td></td><td>336</td><td></td><td></td><td></td><td>250</td><td></td><td></td><td></td><td></td><td></td><td></td><td>8</td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>9</td></tr> <tr><td>10</td><td>200</td><td></td><td></td><td>337</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>10</td></tr> <tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>11</td></tr> <tr><td>12</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>12</td></tr> </tbody> </table>																Nisk #	DEPTH DESIRED	Rosette Notes			Hydro Team-PMEL			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #		SALT Btl	Nut.Btl		1															1	2	0			334				250		250					2	3															3	4	20			335				250							4	5															5	6															6	7															7	8	40			336				250							8	9															9	10	200			337											10	11															11	12															12
Nisk #	DEPTH DESIRED	Rosette Notes			Hydro Team-PMEL			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #																																																																																																																																																																																																																				
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VESSEL <b>Northwest Explorer</b>			CRUISE ID <b>NL21404</b>			PROJECT & LEG ( if needed) GOA leg <b>7a</b>				CTD FileName (None if data is live feed) <b>ctd074</b>					
CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE			GMT (note if not)		Time		BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(m)				
<b>074</b>	57	33.2771	N	139	49.1377	W	07	AUG	14	02 40		3427	74	SEN100	
<b>Sensor IDS (initially &amp; swap-outs)</b>														CTD MAX. DEPTH = 201	
SBE type and S/N		Weather:													
PRESS S/N		COMMENT: Difficult conditions, factors that may affect measurements or aid processing													
TEMP 1&2 S/Ns															
COND 1&2 S/Ns															
FLUOR S/N															
O2 (SBE43) S/N															
Transmiss S/N															
PAR S/N															
O2 SBE42S/N															

VESSEL <b>Northwest Explorer</b>			CRUISE ID <b>NW1404</b>			PROJECT & LEG ( if needed) GOA leg 7a				CTD FileName (None if data is live feed) <b>CTD075</b>			
CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(m)		
<b>075</b>	<b>57</b>	<b>41.7495</b>	<b>N</b>	<b>139</b>	<b>55.2881</b>	<b>W</b>	<b>07</b>	<b>AUG</b>	<b>14</b>	<b>14 57</b>	<b>3308</b>	<b>75</b>	<b>SEQ90</b>
<b>Sensor IDS (initially &amp; swap-outs)</b>													CTD MAX. DEPTH = <b>201</b>
SBE type and S/N				Weather:									
PRESS S/N				COMMENT: Difficult conditions, factors that may affect measurements or aid processing									
TEMP 1&2 S/Ns				<i>CTD timed out ~19m ; Surface sample</i>									
COND 1&2 S/Ns				<i>taken by bucket</i>									
FLUOR S/N													
O2 (SBE43) S/N													
Transmiss S/N													
PAR S/N													
O2 SBE42S/N													































VESSEL <b>Northwest Explorer</b>			CRUISE ID <b>NW1404</b>			PROJECT & LEG ( if needed) GOA leg <u>2a</u>				CTD FileName (None if data is live feed) <u>ctd091</u>				
CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(m)			
<u>091</u>	<u>59</u>	<u>01.8424</u>	<u>N</u>	<u>140</u>	<u>53.5383</u>	<u>W</u>	<u>11</u>	<u>AUG</u>	<u>1</u>	<u>4</u>	<u>21</u>	<u>47</u>	<u>182</u>	<u>91</u>
<b>Sensor IDS (initially &amp; swap-outs)</b>														CTD MAX. DEPTH = <u>172</u>
SBE type and S/N				Weather:										
PRESS S/N				COMMENT: Difficult conditions, factors that may affect measurements or aid processing										
TEMP 1 & 2 S/Ns														
COND 1&2 S/Ns														
FLUOR S/N														
O2 (SBE43) S/N														
Transmiss S/N														
PAR S/N														
O2 SBE42S/N														

VESSEL <b>Northwest Explorer</b>			CRUISE ID <b>NW1404</b>			PROJECT & LEG ( if needed) GOA leg <u>7a</u>					CTD FileName (None if data is live feed) <u>ctd092</u>				
CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE			GMT (note if not)		Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN		(°C)	(m)		
<u>092</u>	<u>58</u>	<u>56.2363</u>	<u>N</u>	<u>140</u>	<u>37.0605</u>	<u>W</u>	<u>12</u>	<u>AUG</u>	<u>1</u>	<u>4</u>	<u>00</u>	<u>37</u>	<u>183</u>	<u>92</u>	<u>YBC40</u>
<b>Sensor IDS (initially &amp; swap-outs)</b>															CTD MAX. DEPTH <u>= 175</u>
SBE type and S/N		Weather:													
PRESS S/N		COMMENT: Difficult conditions, factors that may affect measurements or aid processing													
TEMP 1 & 2 S/Ns															
COND 1&2 S/Ns															
FLUOR S/N															
O2 (SBE43) S/N															
Transmiss S/N															
PAR S/N															
O2 SBE42S/N															



VESSEL <b>Northwest Explorer</b>			CRUISE ID <b>NW1404</b>			PROJECT & LEG ( if needed) GOA leg <u>za</u>			CTD FileName (None if data is live feed) <u>ctd094</u>					
CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE		(note if not)		GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(m)			
<u>094</u>	<u>58</u>	<u>53.3091</u>	<u>N</u>	<u>141</u>	<u>04.2637</u>	<u>W</u>	<u>12</u>	<u>AUG</u>	<u>14</u>	<u>17</u>	<u>988</u>	<u>94</u>	<u>YBD50</u>	
<b>Sensor IDS (Initially &amp; swap-outs)</b>														CTD MAX. DEPTH = <u>201</u>
SBE type and S/N			Weather:											
PRESS S/N			COMMENT: Difficult conditions, factors that may affect measurements or aid processing											
TEMP 1 & 2 S/Ns														
COND 1&2 S/Ns														
FLUOR S/N														
O2 (SBE43) S/N														
Transmiss S/N														
PAR S/N														
O2 SBE42S/N														













VESSEL Northwest Explorer			CRUISE ID NW1404			PROJECT & LEG (if needed) GOA leg 2a				CTD FileName (None if data is live feed) CTD101																																																																																																																																																																																																																											
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101	58	58.7028	N	141	20.4620	W	14	AUG	14	59		704	101	YBE50																																																																																																																																																																																																																							
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Nisk #	DEPTH		Rosette Notes		Hydro Team-PMEL			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples		Nisk #																																																																																																																																																																																																																					
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VESSEL Northwest Explorer			CRUISE ID <i>MW1404</i>			PROJECT & LEG ( if needed) GOA leg <u>7 to</u>				CTD FileName (None if data is live feed) <u>CTD 117</u>																																																																																																																																																																																																											
CTD consec CAST #	LATITUDE		LONGITUDE			GMT DATE			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID																																																																																																																																																																																																							
						DAY	MO	YR	HR	MIN					(°C)	(m)																																																																																																																																																																																																					
117	59	18.0026	N	141	42.480	W	18	AUG	14	0054		194	117	48630																																																																																																																																																																																																							
<b>Sensor IDS (initially &amp; swap-outs)</b>													CTD MAX. DEPTH =																																																																																																																																																																																																								
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PRESS S/N	COMMENT: Difficult conditions, factors that may affect measurements or aid processing																																																																																																																																																																																																																				
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Nisk #	DEPTH	Rosette Notes			Hydro Team-PMEL			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml	Comments or other samples		Nisk #																																																																																																																																																																																																						
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VESSEL Northwest Explorer			CRUISE ID MW1404			PROJECT & LEG ( if needed) GOA leg 2A				CTD FileName (None if data is live feed) ctd121					
CTD consec CAST #	LATITUDE		LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID	
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN					
121	59	42.0283	N	141	12.0322	W	19	AUG	14	21	56	41	121	7860	
Sensor IDS (Initially & swap-outs)													CTD MAX. DEPTH = 31		
SBE type and S/N				Weather:											
PRESS S/N				COMMENT: Difficult conditions, factors that may affect measurements or aid processing											
TEMP 1&2 S/Ns															
COND 1&2 S/Ns															
FLUOR S/N															
O2 (SBE43) S/N															
Transmiss S/N															
PAR S/N															
O2 SBE42S/N															





VESSEL Northwest Explorer			CRUISE ID <i>MW1404</i>			PROJECT & LEG ( if needed) GOA leg <i>26</i>				CTD File Name (None if data is live feed) <i>Gd124</i>																																																																																																																																																																																																																									
CTD consec CAST #	LATITUDE		LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp	BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID																																																																																																																																																																																																																					
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)																																																																																																																																																																																																																							
<i>124</i>	<i>59</i>	<i>37.0714</i>	<i>N</i>	<i>142</i>	<i>05.2729</i>	<i>W</i>	<i>20</i>	<i>AUG</i>	<i>1</i>	<i>4</i>	<i>2013</i>	<i>178</i>	<i>124</i>	<i>YBH20</i>																																																																																																																																																																																																																					
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Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #																																																																																																																																																																																																																					
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VESSEL Northwest Explorer			CRUISE ID <i>MW1404</i>			PROJECT & LEG ( if needed) GOA leg <i>76</i>				CTD FileName (None if data is live feed) <i>CFD127</i>																																																																																																																																																																																																																									
CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE	(note if not)			GMT Time	Surface Temp		BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID																																																																																																																																																																																																																					
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<i>127</i>	<i>59</i>	<i>18.2969</i>	<i>N</i>	<i>139</i>	<i>21.6426</i>	<i>W</i>	<i>21</i>	<i>AUG</i>	<i>14</i>	<i>55</i>		<i>52</i>	<i>127</i>	<i>KPA0</i>																																																																																																																																																																																																																					
<b>Sensor IDS (initially &amp; swap-outs)</b>															CTD MAX. DEPTH = <i>41</i>																																																																																																																																																																																																																				
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Nisk #	DEPTH	Rosette Notes		Hydro Team-PMEL			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #																																																																																																																																																																																																																					
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VESSEL Northwest Explorer			CRUISE ID <i>NW1404</i>			PROJECT & LEG ( if needed) GOA leg 76				CTD FileName (None if data is live feed) <i>CTD131</i>					
CTD consec CAST #	LATITUDE		LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp		BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN	(°C)		(m)		
131	58	45.4780	N	140	05.2853	W	22	AUG	1	4	01 36		181	L31	YBA40
Sensor IDS (initially & swap-outs)															CTD MAX. DEPTH = 172
SBE type and S/N			Weather:												
PRESS S/N			COMMENT: Difficult conditions, factors that may affect measurements or aid processing												
TEMP 1&2 S/Ns															
COND 1&2 S/Ns															
FLUOR S/N															
O2 (SBE43) S/N															
Transmiss S/N															
PAR S/N															
O2 SBE42S/N															





VESSEL Northwest Explorer			CRUISE ID <i>MW1404</i>			PROJECT & LEG ( if needed) GOA leg 26					CTD FileName (None if data is live feed) <i>C10134</i>																																																																																																																																																																																																																							
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	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)																																																																																																																																																																																																																						
134	58	03.9033	N	140	57.7949	W	22	AUG	14	22	08	3507	134	YBA90																																																																																																																																																																																																																				
<b>Sensor IDS (initially &amp; swap-outs)</b>														CTD MAX. DEPTH = 200																																																																																																																																																																																																																				
SBE type and S/N PRESS S/N TEMP 1&2 S/Ns COND 1&2 S/Ns FLUOR S/N O2 (SBE43) S/N Transmiss S/N PAR S/N O2 SBE42S/N														<b>Weather:</b>  <i>DUPLICATE C41-1</i>																																																																																																																																																																																																																				
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VESSEL Northwest Explorer		CRUISE ID <i>NW1404</i>			PROJECT & LEG ( if needed) GOA leg 26				CTD FileName (None if data is live feed) <i>ctd135</i>							
CTD consec CAST #	LATITUDE	LONGITUDE		GMT DATE	(note if not)			GMT Time	Surface Temp		BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID			
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR	MIN	(°C)	(m)					
135	57	52.9108	N	140	26	25	27	W	23	AUG	1 4	01	17	3347	135	SER90
Sensor IDS (initially & swap-outs)													CTD MAX. DEPTH <i>= 201</i>			
SBE type and S/N		Weather:														
PRESS S/N																
TEMP 1 & 2 S/Ns																
COND 1 & 2 S/Ns																
FLUOR S/N																
O2 (SBE43) S/N																
Transmiss S/N																
PAR S/N																
O2 SBE42S/N																
COMMENT: Difficult conditions, factors that may affect measurements or aid processing																













VESSEL Northwest Explorer			CRUISE ID NW1404			PROJECT & LEG ( if needed) GOA leg 26				CTD FileName (None if data is live feed) ctd142					
CTD consec CAST #	LATITUDE		LONGITUDE			GMT DATE (note if not)			GMT Time		Surface Temp		BOTTOM DEPTH	STATION NUMBER	STN. NAME/ID
	DEG	MIN	DEG	MIN		DAY	MO	YR	HR	MIN	(°C)	(m)			
142	59	06.9512	N	138	49.4775	W	24	AUG	14	20 19		51	142	SERO	
Sensor IDS (initially & swap-outs)															CTD MAX. DEPTH = 44
SBE type and S/N PRESS S/N TEMP 1&2 S/Ns COND 1&2 S/Ns FLUOR S/N O2 (SBE43) S/N Transmiss S/N PAR S/N O2 SBE42S/N															Weather:  COMMENT: Difficult conditions, factors that may affect measurements or aid processing Only 3 bottles.





VESSEL Northwest Explorer			CRUISE ID <i>NW1404</i>			PROJECT & LEG ( if needed) GOA leg <i>26</i>				CTD FileName (None if data is live feed) <i>ctd145</i>																																																																																																																																																																																																												
CTD consec CAST #	LATITUDE		LONGITUDE		GMT DATE (note if not)	GMT Time		Surface Temp (°C)	BOTTOM DEPTH (m)	STATION NUMBER	STN. NAME/ID																																																																																																																																																																																																											
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<i>145</i>	<i>58</i>	<i>27.7871</i>	<i>N</i>	<i>138</i>	<i>08.3770</i>	<i>W</i>	<i>25</i>	<i>AUG</i>	<i>1 4</i>	<i>1941</i>	<i>128</i>	<i>145</i>	<i>SEP20</i>																																																																																																																																																																																																									
<b>Sensor IDS (initially &amp; swap-outs)</b>												CTD MAX. DEPTH = <i>119</i>																																																																																																																																																																																																										
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Nisk #	DEPTH		Rosette Notes		Hydro Team-PMEL			GFF vol	>10 Large Vol	GFF dup vol	>10 dup vol (large)	POC 500 ml		Comments or other samples	Nisk #																																																																																																																																																																																																							
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