

VESSEL: NOAA Surveyor				PROJECT & LEG: 54-95-03				INITIALS: CH				CHECKED BY:				PAGE 51 of										
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD= 240		TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		BAR (mb, integer)		SEA STATE VISIBILITY WIND DIRECTION		WIND SPEED (kts) CLOUD (amt) TYPE WEATHER		BOTTOM DEPTH (m)		STA. NAME/ID				
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR															MIN		
51	52	41	08	N	172	10	06	W	28	Aug	95	17	41	11	11	11	10	46	31	50	35	85	6	77	6	51
CTD				ATTACHMENTS:				FILENAME:				REMARKS (include alternate station designation if applicable):  Line VI, Station 32														
TYPE & SN				LIGHT METER (✓)																						
PRESS. SN				FLUOROMETER (✓)																						
TEMP. SN				OTHER:																						
COND. SN				OTHER:																						

VESSEL: NOAAS Surveyor		PROJECT & LEG: 54-96-03		INITIALS: CH		CHECKED BY:		PAGE 52 of	
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CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 240		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO													YR	HR	MIN	
52	23	6.8	N	150.3	W	28	AUG	9	5	19	28	10	3	10	3	14	H	2	7	9	7	52

  

CTD

TYPE & SN 93001

PRESS. SN 39443

TEMP. SN 845

COND. SN 693

ATTACHMENTS:

LIGHT METER (V) \_\_\_\_\_

FLUOROMETER (V) \_\_\_\_\_

OTHER: \_\_\_\_\_

OTHER: \_\_\_\_\_

  

FILENAME: CASTS2

REMARKS (include alternate station designation if applicable):

LINE X, station 47





VESSEL: NOAA Surveyor		PROJECT & LEG: SL-95-03		INITIALS: CD		CHECKED BY:		PAGE 55 of											
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=241		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE (1-4)	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO													YR
055	33	28.0	N	171	06.6	W	29	AUG	95	04	06	11	0	10.5	00	56	19	42	2966
FILENAME: 8-10-3 ATTACHMENTS: TYPE & SN 93001 PRESS. SN 39443 TEMP. SN 845 COND. SN 693 REMARKS (include alternate station designation if applicable): LINE 1X1 Station 50																			
Position	#	Bot. #	Depth	Trip	TIME @	Monitor Values				Sample Bottle Data		Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position			
						Press.	Temp.	Salinity	Cond.	Fluor.	ThermP						Avg. Tw	Sal.	
1						2.250	10.5147	27.558				32.5554			/		1		
2															/		2		
3															/		3		
4															/		4		
5															/		5		
6															/		6		
7															/		7		
8															/		8		
9															/		9		
10															/		10		
11															/		11		
12															/		12		





VESSEL: NOAA Surveyor				PROJECT & LEG: 54-95-03				INITIALS: CH				CHECKED BY:				PAGE 8 of 8					
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=241		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN	
58	53	48.3	N	170	31.5	W	29	AUG	95	12	39	10	12	9	2	06	57	22	19	54	58
CTD				ATTACHMENTS:				FILENAME:				REMARKS (include alternate station designation if applicable):									
TYPE & SN 93001				LIGHT METER (✓)								LINE X, Station 53									
PRESS. SN 39443				FLUOROMETER (✓)																	
TEMP. SN 845				OTHER:																	
COND. SN 693				OTHER:																	

  

Position	#	Depth	T-track	TIME @				Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
				Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.						
1		Surf	✓			2.025	9.7703	32.7092					76.9	10.23	32.7276		/		1
2																	/		2
3																	/		3
4																	/		4
5																	/		5
6																	/		6
7																	/		7
8																	/		8
9																	/		9
10																	/		10
11																	/		11
12																	/		12



[illegible]

[illegible]





[illegible]

VESSEL: NOAA Surveyor				PROJECT & LEG: 54-95-03				INITIALS: <u>DD</u> CHECKED BY: _____				PAGE <u>64</u> of _____												
CONSECUTIVE CAST NUMBER	LATITUDE			LONGITUDE			DATE	TIME (GMT)			DRY BULB (° C)	WET BULB (° C)	BAR (mb, integer)	SEA STATE (m, integer)	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	SEC	DEG	MIN	SEC		DAY	MO	YR													HR	MIN
064	5	23	7.0	N	17	05	6.8	W	30	AUG	95	06	56	8.1	8.5	12	3	8	220	22	18	1	410	064
CTID _____ FILENAME: <u>2-3 10-11 423</u>																								
ATTACHMENTS: _____																								
TYPE & SN <u>93001</u> LIGHT METER (N) _____																								
PRESS. SN <u>39443</u> FLUOROMETER (N) _____																								
TEMP. SN <u>845</u> OTHER: _____																								
COND. SN <u>693</u> OTHER: _____																								
REMARKS (include alternate station designation if applicable): <u>Line VII station 38</u> <u>temp not started till 120m</u>																								

FILENAME:	REMARKS (include alternate station designation if applicable):
	2-3 10-11

line VII - Station 38  
tape not started yet 120m

Position	Bot. #	Trip	Depth	TIME @		Monitor Values						Sample Bottle Data				Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
				Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.							
1		0				1.846	5.770	33.006									/		1	
2																	/		2	
3																	/		3	
4																	/		4	
5																	/		5	
6																	/		6	
7																	/		7	
8																	/		8	
9																	/		9	
10																	/		10	
11																	/		11	
12																	/		12	



VESSEL: NOAAS Surveyor		PROJECT & LEG: 54-95-03		INITIALS: CH		CHECKED BY:		PAGE 66 of															
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 242		TIME (GMT)	DRY BULB (° C)	WET BULB (° C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID					
	DEG	MIN	DEG	MIN	DAY	MO													YR	HR	MIN		
016	52	25.4	N	171	32.1	W	30	04	16	09	51	03	28	2.5	8.2	15	47	17	02	09	1	506	66
<div style="display: flex; justify-content: space-between;"> <div> <b>CTD</b>            TYPE &amp; SN 93001            PRESS. SN 39443            TEMP. SN 845            COND. SN 693         </div> <div> <b>ATTACHMENTS:</b>            LIGHT METER (✓)            FLUOROMETER (✓)            OTHER:            OTHER:         </div> </div>																							
<b>FILENAME:</b> REMARKS (include alternate station designation if applicable): <div style="font-size: 1.2em; margin-top: 10px;">Line VII, Station 36</div>																							

  

Position	#	Bot. #	Trip	Depth	TIME @	Monitor Values					Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
						Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.					
1						494.600	3.745	34.063								/		1
2																/		2
3																/		3
4																/		4
5																/		5
6																/		6
7																/		7
8																/		8
9																/		9
10																/		10
11																/		11
12																/		12



VESSEL: NOAAS Surveyor		PROJECT & LEG: 54-95-03		INITIALS: CH		CHECKED BY:		PAGE 67 of																																																																																																																																																																																																																																											
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 242		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID																																																																																																																																																																																																																																				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN																																																																																																																																																																																																																																			
675222.5	N	17144.4	W	304695	1215	8.0	1247	1901	293	67																																																																																																																																																																																																																																									
<div> <div>CTD</div> <div> <div>TYPE &amp; SN</div> <div>93001</div> </div> <div> <div>PRESS. SN</div> <div>39443</div> </div> <div> <div>TEMP. SN</div> <div>845</div> </div> <div> <div>COND. SN</div> <div>693</div> </div> </div>																																																																																																																																																																																																																																																			
<div> <div>ATTACHMENTS:</div> <div> <div>LIGHT METER (N)</div> <div>FLUOROMETER (N)</div> <div>OTHER:</div> <div>OTHER:</div> </div> </div>																																																																																																																																																																																																																																																			
<div> <div>FILENAME:</div> <div>Line VII, Station 35</div> </div>																																																																																																																																																																																																																																																			
<div> <div>REMARKS (include alternate station designation if applicable):</div> </div>																																																																																																																																																																																																																																																			
<table border="1"> <thead> <tr> <th rowspan="2">Position</th> <th rowspan="2">Bot. #</th> <th rowspan="2">Track</th> <th rowspan="2">Depth</th> <th rowspan="2">TIME @</th> <th colspan="4">Monitor Values</th> <th colspan="2">Sample Bottle Data</th> <th rowspan="2">Sal. Bot. #</th> <th rowspan="2">Nutrient</th> <th rowspan="2">Chlor/ MZ</th> <th rowspan="2">Other</th> <th rowspan="2">Position</th> </tr> <tr> <th>Press.</th> <th>Temp.</th> <th>Salinity</th> <th>Cond.</th> <th>Fluor.</th> <th>ThermP</th> <th>Avg. Tw</th> <th>Sal.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>Surf</td> <td></td> <td></td> <td>2.381</td> <td>7.823</td> <td>32.986</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></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>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></td> <td>3</td> </tr> <tr> <td>4</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></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></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></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></td> <td>7</td> </tr> <tr> <td>8</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></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></td> <td>9</td> </tr> <tr> <td>10</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></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></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></td> <td>12</td> </tr> </tbody> </table>																Position	Bot. #	Track	Depth	TIME @	Monitor Values				Sample Bottle Data		Sal. Bot. #	Nutrient	Chlor/ MZ	Other	Position	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.	1		Surf			2.381	7.823	32.986							/		1	2														/		2	3														/		3	4														/		4	5														/		5	6														/		6	7														/		7	8														/		8	9														/		9	10														/		10	11														/		11	12														/		12
Position	Bot. #	Track	Depth	TIME @	Monitor Values				Sample Bottle Data		Sal. Bot. #	Nutrient	Chlor/ MZ	Other	Position																																																																																																																																																																																																																																				
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP						Avg. Tw	Sal.																																																																																																																																																																																																																																		
1		Surf			2.381	7.823	32.986							/		1																																																																																																																																																																																																																																			
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VESSEL: NOAA Surveyor				PROJECT & LEG: 54-95-03				INITIALS: CH				CHECKED BY:				PAGE 68 of 68					
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 242		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR. (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN	
6852	21	09	N	171	58	08	W	35	9.0	8.0	12.4	7	18	5	11	9	0	34	3	68	
CTD				ATTACHMENTS:				FILENAME:				REMARKS (include alternate station designation if applicable): Line VII, Station 34									
TYPE & SN				LIGHT METER (V)																	
PRESS. SN				39443																	
TEMP. SN				845																	
COND. SN				693																	



VESSEL: NOAAS Surveyor		PROJECT & LEG: 54-95-03		INITIALS: CD		CHECKED BY:		PAGE 70 of 70									
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=243		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN	
70522	8.5	N	170	34.0	W	31	AUG	95	06	05	8.6	8.4	03	4	307	70	
ATTACHMENTS: <span style="float: right;">FILENAME: 121</span> CTD <span style="float: right;">REMARKS (include alternate station designation if applicable):</span> TYPE & SN 93001 PRESS. SN 39443 <span style="float: right;">Line VIII, Station 39</span> TEMP. SN 845 COND. SN 693																	
Position	#	Bot. #	Depth	TIME @	Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient	Chlor/ MZ	Other	Position	
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw						Sal.
1					181.997	4.4652	35.424								/		1
2															/		2
3															/		3
4															/		4
5															/		5
6															/		6
7															/		7
8															/		8
9															/		9
10															/		10
11															/		11
12															/		12

VESSEL: NOAAS Surveyor				PROJECT & LEG: 54-95-03				INITIALS: _____				CHECKED BY: _____				PAGE 31 of _____							
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=2400		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE (mb, integer)	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID				
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN			
71	52	19.8	N	170	31.8	W	31	AUG	9	5	07	28	9.9	9.9	04	23	15	89	2	527	520	71	
CTD				ATTACHMENTS:				FILENAME: 1-2 3				530											
TYPE & SN 93001				LIGHT METER (V) _____				REMARKS (include alternate station designation if applicable):															
PRESS. SN 39443				FLUOROMETER (V) _____				Line VIII, Station 40															
TEMP. SN 845				OTHER: _____																			
COND. SN 693				OTHER: _____																			

  

Position	#	Bot. #	Depth	T-rack	TIME @			Monitor Values				Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
					Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.					
1							515.462	3.432	34.192								/		1
2																	/		2
3																	/		3
4																	/		4
5																	/		5
6																	/		6
7																	/		7
8																	/		8
9																	/		9
10																	/		10
11																	/		11
12																	/		12

VESSEL: NOAA Surveyor				PROJECT & LEG: 54-95-03				INITIALS: CH				CHECKED BY:				PAGE 12 of							
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD=		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR. (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID		
		DEG	MIN	DEG	MIN	DAY	MO	YR	HR													MIN	
7252	11.0	N	170	51.0	W	31	AUG	95	09	07	9.8	9.8	053	7	26	7	10	9	2	13	44	72	
CTD				ATTACHMENTS:				FILENAME:				REMARKS (include alternate station designation if applicable):  Line VIII, Station 41											
TYPE & SN				LIGHT METER (V)																			
PRESS. SN				FLUOROMETER (V)																			
TEMP. SN				OTHER:																			
COND. SN				OTHER:																			

VESSEL: NOAAS Surveyor		PROJECT & LEG: SU-95-03		INITIALS: CH		CHECKED BY:		PAGE 73 of												
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 243		TIME (GMT)		DRY BULB (° C)	WET BULB (° C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN
735205.5	N	170	27.1	W	31	AUG	95	11	27	10.8	10.6	07	3	7	250	22	9	1	2809	73
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):														
TYPE & SN		LIGHT METER (N)		Line VIII, Station 42																
PRESS. SN		FLUOROMETER (N)																		
TEMP. SN		OTHER:																		
COND. SN		OTHER:																		
Position	#	Bot. #	Trip	Depth	TIME @	Monitor Values				Sample		Bottle Data		Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position		
						Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.							
1						1870.76 <sup>2</sup>	2.050	34.550			1854.4	2.04				/		1		
2																/		2		
3																/		3		
4																/		4		
5																/		5		
6																/		6		
7																/		7		
8																/		8		
9																/		9		
10																/		10		
11																/		11		
12																/		12		

VESSEL	NOAAS Surveyor	PROJECT & LEG:	SU-96-03	INITIALS:	CH	CHECKED BY:	PAGE	74	of							
CONSECUTIVE CAST NUMBER	LATITUDE  51 57.0	LONGITUDE  W 31 40 23.4	DATE JD= 243	TIME (GMT)		DRY BULB (°C)  10.2	WET BULB (°C)  9.7	SEA STATE (mb, integer)	VISIBILITY  103	WIND DIRECTION  280	WIND SPEED (kts)  203	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)  13424	STA. NAME/ID  74
CTD	7 dck	ATTACHMENTS:	FILENAME:	REMARKS (include alternate station designation if applicable):  Line VIII Station 43 Salinity spiked ~ 580'db												
Type & SN	93001	LIGHT METER (V)														
PRESS. SN	39443	FLUOROMETER (V)														
TEMP. SN	845	OTHER:														
COND. SN	693	OTHER:														
# Position	Bot.	T-trip	Depth	TIME @	Monitor Values				Sample Bottle Data				Nutrient #	Chlor/ MZ	Other	Position
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.				
1	Bdk		3000.469	1570				34.652					/			1
2													/			2
3													/			3
4													/			4
5													/			5
6													/			6
7													/			7
8													/			8
9													/			9
10													/			10
11													/			11
12													/			12



[illegible]

VESSEL: NOAAS Surveyor				PROJECT & LEG: SU-95-03				INITIALS: CD				CHECKED BY:				PAGE 76 of																				
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=243		TIME (GMT)		11.9 DRY BULB (°C)	11.0 WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID																	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN																
76	51	13	11	22	N	17	0	12	02	W	31	AUG	95	2	10	9	12	0	10	9	14	3	7	2	2	3	2	4	8	6	2	3	5	4	7	6
CTD				ATTACHMENTS:				FILENAME:				REMARKS (include alternate station designation if applicable):																								
TYPE & SN				LIGHT METER (V)								Line VIII, Station 45																								
PRESS. SN				FLUOROMETER (V)																																
TEMP. SN				OTHER:																																
COND. SN				OTHER:																																

  

Position	#	Bot. #	Trip	Depth	TIME @	Monitor Values				Sample Bottle Data				Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
						Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.					
1						968.68	27.97	34.402								/		1
2																/		2
3																/		3
4																/		4
5																/		5
6																/		6
7																/		7
8																/		8
9																/		9
10																/		10
11																/		11
12																/		12

VESSEL: NOAAS Surveyor				PROJECT & LEG: SU-96-03				INITIALS: <u>  </u> CHECKED BY: <u>  </u>				PAGE 33 of 33								
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=244		TIME (GMT)		DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE (mb, integer)	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID	
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR												MIN
0775	11	44	N	17100	40	W	015	09	12	11	12	15	37	22	51	56	31	71	516	77
CTD				ATTACHMENTS:				FILENAME: <u>38</u>				REMARKS (include alternate station designation if applicable): <u>Line VIII, Station 46</u>								
TYPE & SN <u>93001</u>				LIGHT METER (N)																
PRESS. SN <u>39443</u>				FLUOROMETER (N)																
TEMP. SN <u>845</u>				OTHER:																
COND. SN <u>693</u>				OTHER:																

  

Position	#	Trip	Depth	TIME@	Monitor Values				Sample Bottle Data		Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position	
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP						Avg. Tw
1					5050.70	15.25	34.661							/		1
2														/		2
3														/		3
4														/		4
5														/		5
6														/		6
7														/		7
8														/		8
9														/		9
10														/		10
11														/		11
12														/		12



[illegible]



VESSEL: <u>NOAAS Surveyor</u>										PROJECT & LEG: <u>SL-95-03</u>										INITIALS: <u>CD</u> CHECKED BY: _____										PAGE <u>81</u> of _____									
CONSECUTIVE CAST NUMBER	LATITUDE				LONGITUDE				DATE JD= <u>244</u>				TIME (GMT)				DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID												
	DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN																												
81	53	57	16	N	16	84	06	W	01	SEP	95	21	22	10	11	10	10	10	10	10	10	10	10	10	10	10	10	81											
ATTACHMENTS:										FILENAME: <u>16-7</u>										REMARKS (include alternate station designation if applicable): <u>LINE X1, station 62</u>																			
CTD										TYPE & SN <u>93001</u>																													
										PRESS. SN <u>39443</u>																													
										TEMP. SN <u>845</u>																													
										COND. SN <u>693</u>																													

  

Position	#	Bot. #	Depth	TIME @	Monitor Values					Sample Bottle Data			Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position
					Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP					
1		Bot.			1519.294	2.2671	34.4931								/		1
2															/		2
3															/		3
4															/		4
5															/		5
6															/		6
7															/		7
8															/		8
9															/		9
10															/		10
11															/		11
12															/		12

VESSEL: NOAA Surveyor				PROJECT & LEG: 54-95-03				INITIALS: SD				CHECKED BY:				PAGE 22 of										
CONSECUTIVE	CAST NUMBER	LATITUDE			LONGITUDE			DATE JD=245			TIME (GMT)			10.5 DRY BULB (°C)	10.0 WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	TYPE	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID	
		DEG	MIN	SEC	DEG	MIN	SEC	DAY	MO	YR	HR	MIN														
0825	415.0	N	16	8	4	4	3	W	0	5	0	0	5	9.8	9.7	15	2	3	0	0	0	0	0	0	0	82
CTD		ATTACHMENTS:			FILENAME:			REMARKS (include alternate station designation if applicable): LINE XI, STATION 63																		
TYPE & SN		LIGHT METER (N)																								
PRESS. SN		FLUOROMETER (N)																								
TEMP. SN		OTHER:																								
COND. SN		OTHER:																								





VESSEL: NOAAS Surveyor		PROJECT & LEG: SU-96-03		INITIALS: CH		CHECKED BY:		PAGE 84 of						
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD=245		TIME (GMT)	WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO								
08456011.9	N	116625.6	W	025819.5	14	45	14	45	9.8	8.8	18	35011	121	84
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):								
TYPE & SN		LIGHT METER (V)		FLUOROMETER (V)		CTD PRIOR TO RECOVERY OF F-95BSS-12								
PRESS. SN		39443		OTHER:		F-95BSSM-1								
TEMP. SN		845		OTHER:										
COND. SN		693		OTHER:										

  

Position	Bot. #	Trip	Depth	Monitor Values				Sample Bottle Data				Nutrient Bottle #	Chlor/ MZ	Other	Position	
				Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.					Sal. Bot. #
1	70			70.031	3.3242	32.4955							780	/		1
2	60			60.235	3.3525	32.4815							781	/		2
3	50			50.424	3.9639	32.2877							782	/		3
4	40			40.082	3.9085	32.1228							783	/		4
5	30			30.127	5.0978	32.0637							784	/		5
6	20			20.119	10.2058	31.7061							785	/		6
7	10			10.175	10.2607	31.6991							786	/		7
8	0			0.722	10.3760	31.7035							787	/		8
9														/		9
10														/		10
11														/		11
12														/		12

VESSEL: NOAA Surveyor		PROJECT & LEG: 54-95-03		INITIALS: CD		CHECKED BY:		PAGE 85 of										
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 246		TIME (GMT)	DRY BULB (°C)	WET BULB (°C)	BAR (mb, integer)	SEA STATE	VISIBILITY	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO												
85	56	35.9	164	39.0	03	SEP	95	03	29	10.9	9.5	193	83	20	11	862	73	BS
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):												
TYPE & SN		LIGHT METER (✓)		FLUOROMETER (✓)		CTD PRIOR TO RECOVERY OF												
PRESS. SN		39443		OTHER:		F-95BSM-2 & F-95BSS-2												
TEMP. SN		845		OTHER:														
COND. SN		693		OTHER:														
Position	#	Depth	TIME @	Monitor Values				Sample Bottle Data				Sal. Bot. #	Nutrient Bottle #	Chlor/ MZ	Other	Position		
				Press.	Tamp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.							
1	70			71.206	1.0113	32.1036							788	/		1		
2	60			61.153	1.0237	32.1049							789	/		2		
3	50			51.324	1.0459	32.1064							790	/		3		
4	40			40.559	1.0564	32.1073							791	/		4		
5	30			30.957	1.0621	32.1070							792	/		5		
6	20			20.202	7.5885	31.6638							793	/		6		
7	10			9.899	10.4476	31.5961							794	/		7		
8	0			1.285	10.5877	31.5998							795	/		8		
9														/		9		
10														/		10		
11														/		11		
12														/		12		

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VESSEL: NOAA Surveyor		PROJECT & LEG: 54-95-03		INITIALS: CD		CHECKED BY:		PAGE 90 of							
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= 247		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER	BOTTOM DEPTH (m)	STA. NAME/ID
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR							
905411.9	N	16340.7	W	0450.9	5	08	42	11	11.0	08	02	7	18	718	90
CTD		ATTACHMENTS:		FILENAME:		REMARKS (include alternate station designation if applicable):									
TYPE & SN 93001		LIGHT METER (N)				LINE XVI, STATION 89									
PRESS. SN 39443		FLUOROMETER (N)													
TEMP. SN 845		OTHER:													
COND. SN 693		OTHER:													
Position	#	Bot. #	Depth	TIME@	Monitor Values				Sample Bottle Data		Nutrient Bottle #	Chlor/ MZ	Other	Position	
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP					Avg. Tw
1					42.241	59.346	31.8572						/		1
2													/		2
3													/		3
4													/		4
5													/		5
6													/		6
7													/		7
8													/		8
9													/		9
10													/		10
11													/		11
12													/		12





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VESSEL: <u>NOAAS Surveyor</u>				PROJECT & LEG: <u>SL-95-03</u>				INITIALS: <u>CH</u> CHECKED BY: _____				PAGE <u>101</u> of _____																																																																																																																																																																																																																																																																																		
CONSECUTIVE CAST NUMBER	LATITUDE		LONGITUDE		DATE JD= <u>248</u>		TIME (GMT)		WET BULB (°C)	WIND DIRECTION	WIND SPEED (kts)	CLOUD (amt)	WEATHER TYPE	BOTTOM DEPTH (m)	STA. NAME/ID																																																																																																																																																																																																																																																																															
	DEG	MIN	DEG	MIN	DAY	MO	YR	HR								MIN																																																																																																																																																																																																																																																																														
101	54	28.3	N	166	03.2	W	05	SEP	9	50	7	47	35	0	209	101																																																																																																																																																																																																																																																																														
<div style="display: flex; justify-content: space-between;"> <div> <b>CTD</b>            TYPE &amp; SN <u>93001</u>            PRESS. SN <u>39443</u>            TEMP. SN <u>845</u>            COND. SN <u>693</u> </div> <div> <b>ATTACHMENTS:</b>            LIGHT METER (N) _____            FLUOROMETER (N) _____            OTHER: _____            OTHER: _____         </div> </div>																																																																																																																																																																																																																																																																																														
<b>REMARKS</b> (include alternate station designation if applicable):  <div style="font-size: 1.2em; margin-top: 10px;">             LINE XIV, STATION 79*              *LINE XIV, STA 80 WAS SKIPPED DUE TO HEAVY FISHING TRAFFIC           </div>																																																																																																																																																																																																																																																																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Position</th> <th rowspan="2">#</th> <th rowspan="2">Depth</th> <th rowspan="2">T-Tag</th> <th colspan="4">TIME @</th> <th colspan="4">Monitor Values</th> <th colspan="3">Sample Bottle Data</th> <th rowspan="2">Sal.</th> <th rowspan="2">Nutrient Bottle #</th> <th rowspan="2">Chlor/</th> <th rowspan="2">Other</th> <th rowspan="2">Position</th> </tr> <tr> <th>Depth</th> <th>Trip</th> <th>Press.</th> <th>Temp.</th> <th>Salinity</th> <th>Cond.</th> <th>Fluor.</th> <th>ThermP</th> <th>Avg. Tw</th> <th>Sal.</th> </tr> </thead> <tbody> <tr><td>1</td><td></td><td></td><td></td><td></td><td></td><td>441.507</td><td>3.652</td><td>33.852</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></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></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></td><td></td><td>/</td><td></td><td>3</td></tr> <tr><td>4</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></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></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></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></td><td></td><td>/</td><td></td><td>7</td></tr> <tr><td>8</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></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></td><td></td><td>/</td><td></td><td>9</td></tr> <tr><td>10</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></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></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></td><td></td><td>/</td><td></td><td>12</td></tr> </tbody> </table>																	Position	#	Depth	T-Tag	TIME @				Monitor Values				Sample Bottle Data			Sal.	Nutrient Bottle #	Chlor/	Other	Position	Depth	Trip	Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.	1						441.507	3.652	33.852									/		1	2																	/		2	3																	/		3	4																	/		4	5																	/		5	6																	/		6	7																	/		7	8																	/		8	9																	/		9	10																	/		10	11																	/		11	12																	/		12
Position	#	Depth	T-Tag	TIME @				Monitor Values				Sample Bottle Data			Sal.	Nutrient Bottle #					Chlor/	Other	Position																																																																																																																																																																																																																																																																							
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VESSEL: NOAA Surveyor						PROJECT & LEG: SU-95-03								INITIALS: CH CHECKED BY:							PAGE 102 of 102										
CONSECUTIVE CAST NUMBER		LATITUDE		LONGITUDE		DATE JD=248				TIME (GMT)		DRY BULB (°C)		WET BULB (°C)		SEA STATE (m, integer)		VISIBILITY		WIND DIRECTION		WIND SPEED (kts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA NAME/ID	
102	S4	34.7	N	166	09.6	W	O5	SER	95	10	33	10.0	9.5	K0	74	Z	00	83	49	Z	4	2	4	102							
CTD		ATTACHMENTS:		FILENAME:																											
TYPE & SN		LIGHT METER (N)		REMARKS (include alternate station designation if applicable):  LINE XIV, STATION 78																											
PRESS. SN		FLUOROMETER (N)																													
TEMP. SN		OTHER:																													
COND. SN		OTHER:																													
#	Bot.	Trip	Depth	TIME@	Monitor Values				Sample Bottle Data				Sal.	Nutrient Bottle #	Chlor/MZ	Other	Position														
					Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw	Sal.																			
1					1.642	8.533	32.361						/			1															
2													/			2															
3													/			3															
4													/			4															
5													/			5															
6													/			6															
7													/			7															
8													/			8															
9													/			9															
10													/			10															
11													/			11															
12													/			12															

VESSEL: <u>NOAAS Surveyor</u>										PROJECT & LEG: <u>54-95-03</u>										INITIALS: <u>CH</u> CHECKED BY: _____										PAGE <u>103</u> of _____									
CONSECUTIVE CAST NUMBER		LATITUDE				LONGITUDE				DATE JD=248				TIME (GMT)				WET BULB (°C)		WIND DIRECTION		WIND SPEED (kts)		CLOUD (amt)		WEATHER		BOTTOM DEPTH (m)		STA. NAME/D									
		DEG	MIN	SEC	DEC	DEG	MIN	SEC	DEC	DAY	MO	YR	HR	MIN	DRY BULB (°C)	SEA STATE (mb, integer)	VISIBILITY															WIND DIRECTION							
103	54	41	4	N	166	15	2	W	05	SEP	95	12	13	10	2	9	50	74	70	05	30	9	72	29	1	103													
CTD										FILENAME: _____										REMARKS (include alternate station designation if applicable):  <u>LINE XIV, STATION 77</u>																			
TYPE & SN <u>93001</u>										LIGHT METER (✓) _____																													
PRESS. SN <u>39443</u>										FLUOROMETER (✓) _____																													
TEMP. SN <u>845</u>										OTHER: _____																													
COND. SN <u>693</u>										OTHER: _____																													

  

Position		#	Trip	Depth	TIME@	Monitor Values				Sample Bottle Data			Sal.	Nutrient	Bottle #	Chlor/	Other	Position
						Press.	Temp.	Salinity	Cond.	Fluor.	ThermP	Avg. Tw						
1	1	Bot	✓			250.647	3.705	33.392			248.9	3.67				/		1
2	2															/		2
3	3															/		3
4	4															/		4
5	5															/		5
6	6															/		6
7	7															/		7
8	8															/		8
9	9															/		9
10	10															/		10
11	11															/		11
12	12															/		12

[illegible]

















