

ROSETTE LOG

MISSION ID:

STATION NAME:

UTC DATE y/m/d:

CAST NUMBER:

SHIP: TULLY

ENTERED BY:

CHECKED BY:

Bottom Depth: 182

Cast # down: 11

Cast # up: 11

Time	LOC	UTC
------	-----	-----

Begin: 1300

Bottom: 1304

End: 13 19

START POSITION (GPS)

LAT: 43 15 94

LONG: 123 43 33

BOTTOM POSITION (GPS)

LAT: 48 16 04

LONG: 23 43 35

END POSITION (GPS)

LAT: 48 16 26

LONG: 123 43 54

Comments:

ROSETTE LOG

MISSION ID: 9916
STATION NAME: 102

UTC DATE y/m/d: 99 06 24
CAST NUMBER: 2

SHIP:

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip pressure	Confirmed Salinity	SAL	✓	NUT	✓	ALK		TCO	DMG						
		✓	OXY	✓	CHL		C13								

1	1			13-10	250	✓										poor.	
2	2			200		✓											
3	3			175		✓											
4	4			150		✓											
5	5			125		✓										poor.	
6	6			100		✓										poor.	
7	7			75		✓											
8	8			50		✓											
9	9			40		✓											
10	10			30		✓					✓			✓			
11	11			20		✓											
12	12			10		✓											
13	13			5		✓											
14	14			0		✓											
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

ENTERED BY:
CHECKED BY:

Bottom Depth:

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		0106
Bottom:		0112
End:		0127

START POSITION (GPS)		
LAT:	48	29 91
LONG:	124	44 14

BOTTOM POSITION (GPS)		
LAT:	48	29 88
LONG:	124	44 16

END POSITION (GPS)		
LAT:	48	29 87
LONG:	124	44 15

changed colorimeter probe

Comments:

ROSETTE LOG

MISSION ID: 9916
STATION NAME: 75

UTC DATE y/m/d: 99 06 24
CAST NUMBER: 5

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO	RA				
								OXY		CHL		C13		S				
1	15			810	211	✓	✓	/	/									
2	16			200	200	✓	✓	/	/									
3	17			175	175	✓	✓	/	/									
4	18			150	149	✓	✓	/	/									
5	19			125	125	✓	✓	/	/									
6	20			100	100	✓	✓	/	/									
7	21			75	75	✓	✓	/	/									
8	22			50	50	✓	✓	/	/									
9	23			40	40	✓	✓	/	/									
10	24			30	30	✓	✓	/	/	/				/				/
11	25			20	20	✓	✓	/	/	/				/				
12	26			10	10	✓	✓	/	/	/				/				
13	27			5	5	✓	✓	/	/	/				/				
14	28			0	0	✓	✓	/	/	/				/				
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 220

Cast # down: 5
Cast # up: 5

Time	LOC	UTC
Begin:		0359
Bottom:		0407
End:		0425

START POSITION (GPS)
LAT: 48 28.30
LONG: 124 32.81

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9916
STATION NAME: 72

UTC DATE y/m/d: 99/06/24
CAST NUMBER: 8

SHIP:

Niskin Sample OXY. OXY Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken											
Trip	Confirmed	SAL		NUT		ALK		TCO					
pressure	Salinity	✓	OXY		CHL		C13						

1	29	1198	1.937	B-10	175	✓													
2	30	1201	1.972	175	175	✓													
3	31	1202	2.204	150	150	✓													
4	32	1203	1.803	125	125	✓													
5	33	1204	2.138	100	100	✓													
6	34	1206	2.770	75	75	✓													
7	35	1209	3.709	50	50	✓													
8	36	1210	3.712	40	40	✓													
9	37	1237	3.785	30	30	✓				✓		✓							
10	38	1212	3.923	20	20	✓													
11	39	1215	4.010	10	10	✓													
12	40	1216	4.456	5	5	✓													
13	41	1218	4.862	0	1	✓													
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

ENTERED BY:
CHECKED BY:

Bottom Depth: 190

Cast # down: 8
Cast # up: 8

Time	LOC	UTC
Begin:		0908
Bottom:		0911
End:		0906

START POSITION (GPS)
LAT: 48 18 66
LONG: 124 04 19

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9916
STATION NAME: FDCP

UTC DATE y/m/d: 99 06 24
CAST NUMBER: 15

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT			TCO	D					
1	65			85	90		/	✓	/									
2	66			80	75		/	✓	/									
3	67			75	50		/	✓	/									
4	68			80	40		/	✓	/									
5	69			40	30		/	✓	/									
6	70			30	20		/	✓	/		/		✓					
7	71			20	10		/	✓	/		/		✓					
8	72			10	5		/	✓	/		/		/					
9	73			0	0		/	✓	/		/		/					
10	74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99						/	✓	/		/		/					
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 101.75

Cast # down: 15
Cast # up: 15

Time	LOC	UTC
Begin:	1056	1756
Bottom:	1758	→
End:	180	1808

START POSITION (GPS)
LAT: 48 15 26
LONG: 123 17 96

BOTTOM POSITION (GPS)
LAT: 48 15 20
LONG: 123 18 03

END POSITION (GPS)
LAT: 48 15 12
LONG: 123 18 10

Comments:

ROSETTE LOG

MISSION ID: 9916
STATION NAME: 65

UTC DATE y/m/d: 99/6/25
CAST NUMBER: 19

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	74			125	118	✓		✓	✓									
2	75			100	100	✓		✓	✓									
3	76			75	75	✓		✓	✓									
4	77			50	50	✓		✓	✓									
5	78			40	40	✓		✓	✓									
6	79			30	30	✓		✓	✓	✓								
7	80			20	20	✓		✓	✓	✓								
8	81			10	10	✓		✓	✓	✓								
9	82			5	5	✓		✓	✓	✓								
10	83			0	0	✓		✓	✓	✓								
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: D. M.
CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		03:45
Bottom:		
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT:
LONG:

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 9916
STATION NAME: 62

UTC DATE y/m/d: 99/6/25
CAST NUMBER: 22

SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	84			150	148	✓	✓	✓										
2	85			125		✓	✓	✓										
3	86			100		✓	✓	✓										
4	87			75		✓	✓	✓										
5	88			50		✓	✓	✓										
6	89			40		✓	✓	✓										
7	90			30		✓	✓	✓	✓									
8	91			20		✓	✓	✓	✓									
9	92			10		✓	✓	✓	✓									
10	93			5		✓	✓	✓	✓									
11	94			0		✓	✓	✓	✓									
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: D.M.
CHECKED BY:

Bottom Depth: 150

Cast # down: 22
Cast # up: 22

Time LOC UTE
Begin: 07:11
Bottom: 07:15
End: 07:24

START POSITION (GPS)
LAT: 48 22.85
LONG: 123 2.85

BOTTOM POSITION (GPS)
LAT: 48 22.87
LONG: 123 2.66

END POSITION (GPS)
LAT: 48 22.96
LONG: 123 2.67

Comments:

ROSETTE LOG

MISSION ID: 9916
STATION NAME: 56UTC DATE y/m/d: 99/06/25
CAST NUMBER: 28SHIP: Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13						
1	94			bot	213	✓		✓	✓									
2	95			200		✓		✓	✓									
3	96			175		✓		✓	✓									
4	97			150		✓		✓	✓									
5	98			125		✓		✓	✓									
6	99			100		✓		✓	✓									
7	100			75		✓		✓	✓									
8	101			50		✓		✓	✓									
9	102			40		✓		✓	✓									
10	103			30		✓		✓	✓	✓								
11	104			20		✓		✓	✓	✓								
12	105			10		✓		✓	✓	✓								
13	106			5		✓		✓	✓	✓								
14	107			0	2.2	✓		✓	✓	✓								
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY: B. M.
CHECKED BY:Bottom Depth: 214

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		1329
Bottom:		1334
End:		

START POSITION (GPS)
LAT:
LONG:BOTTOM POSITION (GPS)
LAT:
LONG:END POSITION (GPS)
LAT:
LONG:

Comments:

model PC

new colorimeter installed
program zero does not
set % Trans to zero

ROSETTE LOG

MISSION ID:

9916

UTC DATE y/m/d:

99/6/25

STATION NAME:

46

CAST NUMBER:

33

SHIP:

Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken										NOTES
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO				
1	108			60T	173	✓		✓	✓								
2	109			150		✓		✓	✓								
3	110			125		✓		✓	✓								
4	111			100		✓		✓	✓								
5	112			75		✓		✓	✓								
6	113			50		✓		✓	✓								
7	114			40		✓		✓	✓								
8	115			30		✓		✓	✓	✓							
9	116			20		✓		✓	✓	✓							
10	117			10		✓		✓	✓	✓							
11	118			5		✓		✓	✓	✓			✓				sal < 27
12	119			0		✓		✓	✓	✓							sal < 27
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	

Comments:

ENTERED BY:

D.M.

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin: 18:24

Bottom: 18:26

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

OK

ROSETTE LOG

MISSION ID: 99-16
STATION NAME: 42

UTC DATE y/m/d: 99/06/25
CAST NUMBER: 38

SHIP: Tolly

[illegible]

ENTERED BY:

CHECKED BY:

Bottom Depth: 324..

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2332
Bottom:		2338
End:		2357

START POSITION (GPS)

LAT: _____

LONG:

BOTTOM POSITION (GPS)

LAT: _____

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

ok

9916

D20

250-6

0255

01638 - 03333

044

GM 03333

CPI 1

250-0M

337

9916

04000 - 05500

CPI 1

250-0

357

05500 - 07017

CPI 2

250-6

0936

07017 - 8700 r

8700 - 10343

0954

48 39.47

444M

1101

ROSETTE LOG

MISSION ID:

99-16

UTC DATE y/m/d:

99/06/26

STATION NAME:

39

CAST NUMBER:

41

SHIP:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast # down:

Cast # up:

Time LOC UTC

Begin: 02 23

Bottom: 02 30

End: 02 48

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 09.87

LONG: 123 33.00

END POSITION (GPS)

LAT: 49 09.94

LONG: 123 33.08

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
1	136	84		373	380	✓		✓	✓									
2	137	255			300	✓												
3	138	333			250	✓												
4	139				200	✓												
5	140				175	✓												
6	141				150	✓												
7	142				125	✓												
8	143				100	✓												
9	144				75	✓												
10	145				50	✓												
11	146				40	✓												
12	147				30	✓												
13	148				20	✓												
14	149				10	✓												
15	150				5	✓												
16	151				0			✓	✓	✓								
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

Comments: Standardized oxygen chemicals 1 1719 Vb = 006

* Forgot to write flask

2 1720 005

* sample # in oxy file

3 1720 007 005

ROSETTE LOG

MISSION ID: 9916
STATION NAME: 27UTC DATE y/m/d: 99/06/26
CAST NUMBER: 45SHIP: JP Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		Phy				
1	152			Bot.	340	✓	✓	✓	✓									
2	153			300	300.7	✓	✓	✓	✓									
3	154			250	250	✓	✓	✓	✓									
4	155			200	200	✓	✓	✓	✓									
5	156			175	175	✓	✓	✓	✓									
6	157			150	150	✓		✓	✓									
7	158			125	125	✓		✓	✓									
8	159			100	100	✓		✓	✓									
9	160			75	75	✓		✓	✓									
10	161			50	50	✓		✓	✓									
11	162			40	40	✓		✓	✓									
12	163			30	30	✓		✓	✓	✓								
13	164			20	20	✓		✓	✓	✓								
14	165			10	10	✓		✓	✓	✓								
15	166			5	5	✓		✓	✓	✓				✓				
16	167			0	1	✓		✓	✓	✓				.008				
17														1.189				
18														1.197				
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 357

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		0720
Bottom:		0726
End:		0746

START POSITION (GPS)		
LAT:		
LONG:		

BOTTOM POSITION (GPS)		
LAT:	49 19.05	
LONG:	123 47.94	

END POSITION (GPS)		
LAT:		
LONG:		

Comments:

ROSETTE LOG

MISSION ID: 99-16
STATION NAME: 2

UTC DATE y/m/d: 99/06/26
CAST NUMBER: 51

SHIP: Tully

ENTERED BY: D. M.

CHECKED BY:

Bottom Depth: 285

Cast # down:

Cast # up:

Time	LOC	UTC
------	-----	-----

Begin: 1220

Bottom: 1223

End: 1240

START POSITION (GPS)

LAT: _____

LONG:

BOTTOM POSITION (GPS)

LAT: 49 24 / 6

LONG: 124 0966

END POSITION (GPS)

LAT:

LONG:

[illegible]

Comments:

Desma

ROSETTE LOG

MISSION ID:

9916

UTC DATE y/m/d:

99/6/26

STATION NAME:

3

CAST NUMBER:

52

SHIP:

Tully

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO	phyc				
1	183			bot 5	321	✓	✓	✓	✓									
2	184			300		✓	✓	✓	✓									
3	185			250		✓	✓	✓	✓									
4	186			200		✓		✓	✓									
5	187			150		✓		✓	✓									
6	188			100		✓		✓	✓									
7	189			75		✓		✓	✓									
8	190			50		✓		✓	✓									
9	191			40		✓		✓	✓									
10	192			30		✓		✓	✓	✓								
11	193			20		✓		✓	✓	✓								
12	194			10		✓		✓	✓	✓								
13	195			5		✓		✓	✓	✓			✓					
14	196			0		✓		✓	✓	✓								
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:

CHECKED BY:

Bottom Depth: 327.

Cast # down:

Cast # up:

Time LOC UTC

Begin: 13 35

Bottom: 13 41

End:

START POSITION (GPS)

LAT: 49 26.63

LONG: 124 20.29

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments:

Done

ROSETTE LOG

MISSION ID: 9916
STATION NAME: 6UTC DATE y/m/d: 99/06/26
CAST NUMBER: 58SHIP: JPTULLYNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken													
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO							
			OXY		CHL		C13		Phylo						
1	197			Bot	182	✓		✓	✓						
2	198			175		✓		✓	✓						
3	199			150		✓		✓	✓						
4	200			125		✓		✓	✓						
5	201			100		✓		✓	✓						
6	202			75		✓		✓	✓						
7	203			50		✓		✓	✓						
8	204			40		✓		✓	✓						
9	205			30		✓		✓	✓						
10	206			20		✓		✓	✓						
11	207			10		✓		✓	✓						
12	208			5		✓		✓	✓				✓		
13	209			0		✓		✓	✓						
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															

ENTERED BY:

CHECKED BY:

Bottom Depth: 194.

Cast # down:

Cast # up:

Time LOC UTC

Begin:

Bottom: 1743

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 30 69LONG: 124 20.83

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID: 9916
STATION NAME: 9

UTC DATE y/m/d: 99/06/26
CAST NUMBER: 61

SHIP: JP TULLY

Niskin No.	Sample No.	OXY. Flask	OXY. Temp.	Sample Depth	ROSETTE OPERATION		Samples taken											
					Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
								OXY		CHL		C13		Pwto				
1	210			Bot	155.9	✓		✓	✓									
2	211			150	150	✓		✓	✓									
3	212			125	125	✓		✓	✓									
4	213			100	100	✓		✓	✓									
5	214			75	75	✓		✓	✓									
6	215			50	79.9	✓		✓	✓									
7	216			40	39.9	✓		✓	✓									
8	217			30	30	✓		✓	✓	✓								
9	218			20	19.9	✓		✓	✓	✓								
10	219			10	10	✓		✓	✓	✓								
11	220			5	5.2	✓		✓	✓	✓	✓			✓				
12	221			0	1.1			✓	✓	✓								
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		

ENTERED BY:
CHECKED BY:

Bottom Depth: 170

Cast # down:
Cast # up:

Time	LOC	UTC
Begin:		20 41
Bottom:		20 46
End:		

START POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)
LAT: 49 35.64
LONG: 124 38.21

END POSITION (GPS)
LAT:
LONG:

Comments:

ROSETTE LOG

MISSION ID: 99-16
STATION NAME: 12UTC DATE y/m/d: 99/04/26
CAST NUMBER: 64SHIP: TullyNiskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION		Samples taken											
Trip pressure	Confirmed Salinity	SAL		NUT		ALK		TCO					
			OXY		CHL		C13		Phyto				
1	222				bot-5	✓	346	✓	—	—			
2	223				300	✓		✓	—	—			
3	224				250	✓		✓	—	—			
4	225				200	✓	199.8	✓	—	—			
5	226				175	✓			—	—			
6	227				150	✓			—	—			
7	228				125	✓			—	—			
8	229				100	✓			—	—			
9	230				75	✓			—	—			
10	231				50	✓			—	—			
11	232				40	✓			—	—			
12	233				30	✓			—	—			
13	234				20	✓			—	—			
14	235				10	✓			—	—			
15	236				5	✓			—	—			
16	237				0				—	—	✓		
17													
18													
19													
20													
21													
22													
23													
24													

ENTERED BY:
CHECKED BY:Bottom Depth: 358

Cast # down:

Cast # up:

Time	LOC	UTC
Begin:		2251
Bottom:		2257
End:		

START POSITION (GPS)	
LAT:	
LONG:	

BOTTOM POSITION (GPS)	
LAT:	4943.55
LONG:	12440.79

END POSITION (GPS)	
LAT:	
LONG:	

Comments:

ROSETTE LOG

MISSION ID:

9916

UTC DATE y/m/d:

99/6/27

STATION NAME:

14

CAST NUMBER:

66

SHIP:

Tully

Niskin
No.Sample
No.OXY.
FlaskOXY.
Temp.Sample
Depth

ROSETTE OPERATION

Trip
pressureConfirmed
Salinity

SAL

OXY

NUT

CHL

ALK

C13

TCO

ph

Samples taken

1	238			bot-5	311	✓	✓	✓	✓										
2	239			300		✓	✓	✓	✓										
3	240			250		✓	✓	✓	✓										
4	241			200		✓	✓	✓	✓										
5	242			175		✓	✓	✓	✓										
6	243			150		✓	✓	✓	✓										
7	244			125		✓	✓	✓	✓										
8	245			100		✓	✓	✓	✓										
9	246			75		✓	✓	✓	✓										
10	247			50		✓	✓	✓	✓										
11	248			40		✓	✓	✓	✓										
12	249			30		✓	✓	✓	✓										
13	250			20		✓	✓	✓	✓										
14	251			10		✓	✓	✓	✓										
15	252			5		✓	✓	✓	✓										
16	253			0		✓	✓	✓	✓										
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 318.

Cast # down:

Cast # up:

Time LOC UTC

Begin: 0133

Bottom: 0138

End: 0155

START POSITION (GPS)

LAT: 49 53.14

LONG: 124 59.70

BOTTOM POSITION (GPS)

LAT: 49 53.24

LONG: 124 59.71

END POSITION (GPS)

LAT: 49 53.46

LONG: 124 59.42

ROSETTE LOG

MISSION ID:

STATION NAME:

UTC DATE y/m/d:

CAST NUMBER:

SHIP: Tully

[illegible]

ENTERED BY:

CHECKED BY:

Bottom Depth: 160

Cast # down:

Cast # up:

Time	LOC	UTC
------	-----	-----

Begin: 03 38

Bottom: 0341

End:

START POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT: 49 57.65

LONG: 125 08.64

END POSITION (GPS)

LAT:

LONG:

Comments:

ROSETTE LOG

MISSION ID:

9916

STATION NAME:

70

UTC DATE y/m/d:

1999/06/29

CAST NUMBER:

12

SHIP:

Niskin Sample OXY. OXY. Sample
No. No. Flask Temp. Depth

ROSETTE OPERATION

Trip
pressure

Confirmed
Salinity

Samples taken

SAL OXY NUT CHL ALK C13 TCO

1	54			B-10	130	✓													
2	55			125		✓													
3	56			100		✓													
4	57			75		✓													
5	58			50		✓													
6	59			40		✓													
7	60			30		✓													
8	61			20		✓													
9	62			10		✓													
10	63			5		✓													
11	64			0															
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			

Comments:

ENTERED BY:

CHECKED BY:

Bottom Depth: 148

Cast # down: 13

Cast # up: 12

Time	LOC	UTC
Begin:		1352
Bottom:		1355
End:		1411

START POSITION (GPS)		
LAT:	48 19	30
LONG:	123 43	59

BOTTOM POSITION (GPS)		
LAT:	48 19	32
LONG:	123 43	76

END POSITION (GPS)		
LAT:	48 19	43
LONG:	123 44	59