

Rosette Log, 24 bottle

CRUISE NO: 1602
STATION NO: Sta 1 Search Inlet

UTC DATE: _____
HYDRO No.: 1

VESSEL: *Young*

ENTERED BY:
CHECKED BY:

Bottom Depth:
Cast No:

Time	LOC	UTC
Begin:	1445	
Bottom:		
End:	1501	

BEGIN POSITION (GPS)	
LAT:	48 39.41
LONG:	123 29.99

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)
LAT:
LONG:

[illegible][illegible]

Rosette Log, 24 bottle

CRUISE NO:
STATION NO:

9002

~~8255~~

UTC DATE:

HYDRO No.:

2, 3, 4

VESSEL: R.B. Young

ENTERED BY: W.R.

CHECKED BY:

NISK No.	SAMPLE No.	OXY. Flask	OXY. TEMP	Sample Depth db	ROSETTE OPERATION			Temperature or Pressure Sensor 1		Temperature or Pressure Sensor 2	
					Trip Depth (db)	Trip Temp.	Trip Confirmed	SERIAL #	oC or dbar	SERIAL #	oC or dbar
2-1	80	1008	8.4	80	29.605	234.69			Lat		
2-2	50	1010	7.9	50	29.036	239.57			48 43.36	123 25.76	0935 0943
2-3	30	1020	7.7	30	28.567	243.35					
2-4	20	1027	7.4	20	28.331	252.45					
2-5	10	1028	7.2	10	28.245	257.09	bottle				
2-6	0	1031	7.2	0	27.844	248.85	leaking valve not fully out		Lat	Long	Time
3-1	150	1032	8.4		30.696	213.07	10.22 →		48 44.33		1022 1035
3-2	125	1033	8.2		30.651	214.01	10.35 AST		123 17.40		
3-3	100	1036	8.0		30.613	215.30					
3-4	75	1039	7.8		30.467	218.77					
3-5	50	1040	7.4		29.695	232.34					
3-6	30	1045	7.2		29.258	244.09					
3-7	20	1047	7.2		29.217	244.58					
3-8	10	1052	7.2		28.682	250.48					
3-9	0	1054	7.0		28.603	257.10	time				
4-1	310	1056	8.4		31.338	198.64	11.42 → 12.07		48 40.91		
4-2	200	1057	8.1		31.034	205.43			123 15.34		
4-3	150	1062	8.0		30.788	212.04					
4-4	100	1065	7.7		30.172	227.05					
4-5	75	1067	7.7		29.970	233.25					
4-6	50	1068	7.4		29.455	247.76					
4-7	30	1069	7.2		29.369	248.05					
4-8	20	1072	7.1		29.308	247.76					
4-9	10	1079	6.8		29.248	248.01					
4-10	0	1084	6.8		29.097	252.24					

Bottom Depth: 85 m

Cast No: 2

Time LOC UTC

Begin: 0935

Bottom: 0

End: 0943

BEGIN POSITION (GPS)

LAT: 48 43.36

LONG: 123 25 76

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments

μmol/Kg

Rosette Log, 24 bottle

CRUISE NO:
STATION NO:

UTC DATE: 31 JAN '96
HYDRO No.: 52

VESSEL: YOUNG

ENTERED BY: WR,
CHECKED BY:

Bottom Depth:

Cast No:

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

Begin:

Bottom:

End:

BEGIN POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments

[illegible]
$$n \text{ mol/Kg}$$

Rosette Log, 24 bottle

CRUISE NO:
STATION NO:

UTC DATE:
HYDRO No.:

VESSEL:

ENTERED BY:

CHECKED BY:

Bottom Depth:

Cast No:

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

Begin:

Bottom:

End:

BEGIN POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments

[illegible]

Rosette Log, 24 bottle

CRUISE NO:
STATION NO:

UTC DATE: 31 JAN
HYDRO No.: 13

VESSEL: YOUNG

ENTERED BY: WR
CHECKED BY:

Comments

[illegible]

Rosette Log, 24 bottle

CRUISE NO:
STATION NO:

UTC DATE: 7 FEB 196.
HYDRO No.:

VESSEL: RB Young.

NISK. No.	SAMPLE No. <i>DEPTH:</i>	OXY. Flask	OXY. TEMP	Sample Depth db	ROSETTE OPERATION			Temperature or Pressure		Temperature or Pressure	
					Trip Depth (db)	Trip Temp.	Trip Confirmed	Sensor 1 SERIAL # oC or dbar	Sensor 2 Sensor 1 long, temp oC or dbar	SERIAL # oC or dbar	Sensor 2 oC or dbar
1	400	1008	10.2	.			106.26	30.890	50 05.69M		
2	350	1010	9.5	:			99.41	30.868	123 46.60W		
3	200	1020	9.4	.			75.52	30.635	12:55 PST		
4	100	1027	9.5	"			152.73	29.601			
5	75	1028	9.5				163.47	29.415			
6	50	1031	9.4				173.48	28.997	NOTE: ODD	TRACE - DROPPED TO ZC	
7	30	1032	9.3				181.73	27.253			
8	20	1033	8.1	< leaking			244.19	26.666			
9	10	1036	—	BOTTLE NO TRIP			.	26.308			} 3L Niskins
10	0	1039	7.1				274.98	25.333			
1	500	1040	9.4				107.96	30.908	49° 53.92 N		
2	350	1045	9.3				103.04	30.881	123° 54.72 W		
3	200	1047	9.1	-			85.18	30.571	1504 PST		
4	100	1052	9.4				163.33	29.597			
5	75	1054	9.2				184.35	29.403			
6	50	1056	9.1				189.00	29.031			
7	30	1057	8.8				203.92	27.780			
8	20	1062	7.9	still leaking			254.10	26.852			
9	10	1065	7.2				276.09	26.292			
10	0	1067	6.9				284.30	25.343	NOTE: Entered sample instead of 23-10	# 23-1	
							mMol/Kg				

ENTERED BY: WR.

CHECKED BY: _____

Bottom Depth:

Cast No:

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

Begin:

Bottom: AT GND

End:

BEGIN POSITION (GPS)

LAT: _____

LONG:

BOTTOM POSITION (GPS)

LAT: _____

LONG:

END POSITION (GPS)

LAT: _____

LONG:

Comments

STN
22
PATRICK
PT.

STN
#23
POLW.
REACH

VESSEL: RB YOUNG.

ENTERED BY: <i>WR.</i>
CHECKED BY:

Bottom Depth: _____
Cast No: _____

Time	LOC	UTC
Begin:		
Bottom:		
End:		

BEGIN POSITION (GPS)
LAT:
LONG:

BOTTOM POSITION (GPS)	
LAT:	
LONG:	

END POSITION (GPS)
LAT:
LONG:

Comments

[illegible]

Rosette Log, 24 bottle

CRUISE NO:
STATION NO:

UTC DATE: 7 FEB
HYDRO No.: _____

VESSEL: R8 Young

ENTERED BY: W.R. / JFM
CHECKED BY:

Bottom Depth:

Cast No:

Time	LOC	UTC
Begin:		
Bottom:		
End:		

BEGIN POSITION (GPS)

LAT:

LONG:

BOTTOM POSITION (GPS)

LAT:

LONG:

END POSITION (GPS)

LAT:

LONG:

Comments

[illegible]

STM
#96
BALL
PT.

STN
#27
COW-
12H
AN

[illegible]

CTD/ROSETTE S+ ER LOG SHEET

CRUISE	STATION		LATITUDE	LONGITUDE	RECORDED BY
9602	no.	I.D.	48 43.36	123 25.76	DRJ
	2	SatCh			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
31	1	96	zone PST	85	80	
			in water 0935			
			down			
			on deck 0943			

COMMENTS
CTD/R

9355
1163.0 94312
= 467 sec
= 24.9 / sec

Depth (m)	Bottle Number								SAL	Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	14 C Upt.		Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
80	1	✓	1008	✓				✓	29.605								
50	2		1010	✓				✓	29.036								
30	3		1020	✓				✓	28.567								
20	4		1027	✓				✓	28.331								
10	5		1028	✓		✓		✓	28.245								
0	6		1031	✓		✓	✓	✓	27.8444								

→ spigot not closed completely

CTD/ROSETTE S# _____ SER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9602			no.	I.D.	48 44.33		123 17.40			
			3	Swanson						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
31	1	96	zone	PST	169		150 m			
			in water	1022						
			down							
			on deck							

COMMENTS
CTD/R

$$19289 \begin{array}{r} 107237 \\ 103527 \\ \hline 79050 \end{array} \begin{array}{r} 745 \\ 729 \end{array}$$
[illegible]

CTD/ROSETTE SURVEY LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9602		no.	I.D.	48 41 02	123 15.26	
		4	Stuart			

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
31	1	96	zone	333	310	
			in water			
			down			
			on deck			

COMMENTS
CTD/R ZBONGOS

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
310	1	✓	✓	✓					✓								
200	2			✓					✓								
150	3			✓					✓								
100	4			✓					✓								
75	5			✓					✓								
50	6			✓					✓								
30	7			✓					✓								
20	8			✓					✓								
10	9			✓		✓			✓								
0	10		✓	✓		✓	✓		✓								

CTD/ROSETTE SURVEY LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9602		no.	I.D.	48 33.62	123 13.29	
		546 Hbro				

DA	MO	YR	TIME	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
21	1	96	zone PST	294	290	
			in water 1345			
			down			
			on deck			

COMMENTS
CTD/R 2-CASTS ALL BOTTLES LABELED
5- CAST 1: 1-4
6- CAST 2: 5-10

re-do-lost
4 bottles

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
290	1	✓	✓	✓					✓								
200	2								✓								
150	3								✓								
100	4								✓								
75	5(1)								✓								
50	6(2)								✓								
30	7(3)								✓								
20	8(4)								✓								
10	9(5)					✓			✓								
0	10(6)		✓	✓		✓	✓		✓								

CTD data file 5

CTD data file 6

5, 24@25 / 25@20

CTD/ROSETTE SHEET LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY	
9602		no.	I.D.	48 28.61	123 08.60		
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
31	1	96	zone	PST	272	250	
			in water	1512			
			down				
			on deck				
COMMENTS							
CTD/R Station split into 2 casts							

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
250	1	✓	✓	✓													
200	2		✓	✓													
150	3		✓	✓													
100	4		✓	✓													
75	1		✓	✓													
50	2		✓	✓													
30	3		✓	✓													
20	4		✓	✓													
10	5		✓	✓		✓											
0	6		✓	✓		✓											

15:12 7
15:47 8

CTD/ROSETTE SURVEY LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9602		no.	I.D.	48 22.45	123 02 85	
		9 8 10 Hein 156				
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)
31	1	96	zone	155	150	
			in water	1636		
			down			
			on deck	1714		
COMMENTS						
CTD/R. 2 BONGOS						

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
145	1	✓	✓	✓					✓								
125	2		✓	✓					✓								
100	3		✓	✓					✓								
75	4		✓	✓					✓								
50	1		✓	✓					✓								
30	2		✓	✓					✓								
20	3		✓	✓					✓								
10	4		✓	✓		✓			✓								
0	5		✓	✓		✓	✓		✓								

1636
9

1709
10

CTD/ROSETTE SURVEY LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9602		no.	I.D.	48.1589	123.0999	
		11412	S11			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)
31	1	96	zone	PST	128	
			in water	18:15		
			down			
			on deck	1843	COMMENTS	
					CTD/R	
					DATA BACKUP DISK	

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
125	1	✓	✓	✓					✓								
100	2		✓	✓					✓								
75	3		✓	✓					✓								
50	4		✓	✓					✓								
30	1		✓	✓					✓								
20	2		✓	✓					✓								
10	3		✓	✓		✓			✓								
0	4		✓	✓		✓	✓		✓								

18:15
#11

18:39
#12

CTD/ROSETTE SURVEY LOG SHEET

CRUISE 9602		STATION no. 13414 I.D. JLF		LATITUDE	LONGITUDE	RECORDED BY
DA 31	MO 1	YR 96	TIME zone PST in water 1938 down on deck 2016	SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
COMMENTS CTD/R 2 BONGOS						

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
150	1	✓	✓	✓					✓								
125	2		✓	✓					✓								
100	3		✓	✓					✓								
75	4		✓	✓					✓								
50	1		✓	✓					✓								
30	2		✓	✓					✓								
20	3		✓	✓					✓								
10	4		✓	✓		✓			✓								
0	5		✓	✓		✓	✓		✓								

19:38

#13

20:11

#14

CTD/ROSETTE SURVEY LOG SHEET

CRUISE 9602	STATION no. 15416 I.D. Saan		LATITUDE 48 39.42	LONGITUDE 123 30.06	RECORDED BY
DA 3	MO 2	YR 96	SOUNDER (m) 178		DATA BACKUP DISK
TIME zone PST in water 1008 down on deck			CAST DEPTH (m) 100 (+8)		
COMMENTS CTD/R + Seabird -6L taken from #16					

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
8	1																
8	2						✓										
8	3						✓										
8	4						✓										
8	5						✓										

(Cast 16)
↓
all into one carboy

CTD/ROSETTE SURVEY LOG SHEET

CRUISE		STATION		LATITUDE	LONGITUDE	RECORDED BY
9602		no.	I.D.			
		22	Patrick	50 05.7	123 46.6	
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)
7	2	96	zone	PST	451	400
			in water	1255		
			down			
			on deck	1328		
COMMENTS						
CTD/R						
#9 stuck open						
bottles 8, 9, 10 are 3l Niskins for remainder of casts.						

	Ave	Main
20011	7.0	9.38
	7.0	9.36
15765	7.3	9.33
	7.2	9.33

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other DOC	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
400	1	✓	1008	✓					✓								
350	2		1010	✓					✓								
200	3		1026	✓					✓								
100	4		1027	✓					✓								
75	5		1028	✓					✓								
50	6		1031	✓					✓								
30	7		1032	✓					✓								
20	8		1033	✓					✓								
10	9		1036	✓					✓								
0	10		1039	✓					✓								

DNF →

CTD/ROSETTE SAMPLE LOG SHEET

CRUISE			STATION		LATITUDE	LONGITUDE	RECORDED BY
9602			no.	I.D.	49 53.9	123 51.7	
			23	PotWR			
DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
7	2	96	zone	PST	650	500	
			in water	1504			
			down				
			on deck				
COMMENTS							
CTD/R							

	Aux	Main
2001	6.1	—
15765	6.0	9.35
	5.9	9.34

Depth (m)	Bottle Number									Thermometers (left)				(right)			
	Rosette	Sal.	O ₂	Nut.	pH	Chl	Phyto.	¹⁴ C Upt.	Other	Ser. #	Aux.	Main	Corr.	Ser. #	Aux.	Main	Corr.
500	1		1040	/					/								
350	2		1045	/					/								
200	3		1047	/					/								
100	4		1052	/					/								
75	5		1054	/					/								
50	6		1056	/					/								
30	7		1057	/					/								
20	8		1062	/					/								
10	9		1065	/					/								
0	10		1067	/					/								

CTD/ROSETTE SHOOTER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9602			no.	I.D.	49 54.9		123 52.9			
			24	June Bay						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
7	2	96	zone	PST	193		75			
			in water	1609						
			down							
			on deck	1617						

COMMENTS
CTD/R replicates to 75m

[illegible]

6.9 9.19
7.0 9.18

[illegible]

CTD/ROSETTE S# _____ ER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9602			no. I.D.		49 45.4		124 14.5			
			26 Ball Pt							

DA	MO	YR	TIME		SOUNDER (m)	CAST DEPTH (m)	DATA BACKUP DISK
7	2	96	zone	PST			
			in water	1909			
			down				
			on deck	1930	COMMENTS		
			CTD/R				

[illegible]

CTD/ROSETTE S# 111 ER LOG SHEET

CRUISE			STATION		LATITUDE		LONGITUDE		RECORDED BY	
9602			no.	I.D.	48 44.8		123 35.6			
			27	Cow Bay						

DA	MO	YR	TIME		SOUNDER (m)		CAST DEPTH (m)		DATA BACKUP DISK	
8	2	96	zone	PST	59		55			
			in water	0810						
			down							
			on deck	0816						

COMMENTS
CTD/R

[illegible]