

US EPA ARCHIVE DOCUMENT

RV Brooks McCall Data Summary - Cruise 5/15-5/17/2010

Date		5/15/2010						
Station		B19						
Depth (m)		LaMotte	ExtechProbe	CTD	Rotifer % survival	TPH	LaMotte	ExtechProbe
A	Surface	DNM	DNM	DNM	DNM	DNM	DNM	DNM
B	2	3.10	DNM	5.68	93.3	ND	1.5	DNM
C	50	1.40	DNM	3.73	92.9	ND	1.3	DNM
D	100	2.00	4.48	DNM	92.9	ND	1.3	DNM
E	200	DNM	DNM	DNM	DNM	DNM	1.8	DNM
F	500	DNM	DNM	DNM	DNM	DNM	1.4	DNM
G	750	DNM	DNM	DNM	DNM	DNM	1.4	DNM
H	1000	DNM	DNM	DNM	DNM	DNM	2.2	DNM
I	1200	DNM	DNM	DNM	DNM	DNM	2.1	DNM
J	1300	DNM	DNM	DNM	DNM	DNM	2.4	DNM
K	1400	DNM	DNM	DNM	DNM	DNM	2.0	DNM
L	1475	DNM	DNM	DNM	DNM	DNM	2.1	DNM

RV Brooks McCall Data Summary - Cruise 5/19-5/25/2010

5/19/2010								
B29 (location B27)				B30				
LaMotte	ExtechProbe	SBE	TPH	LaMotte	ExtechProbe	SBE	TPH	LaMotte
			ND				ND	
		6.76	ND			4.87	ND	
		5.17	ND			4.13	ND	
			ND				ND	
		5.02	ND			3.41	ND	
		4.34	ND			3.24	ND	
		4.26	ND			2.90	ND	
		6.13	ND			3.87	ND	
		6.15	ND			4.00	ND	
		6.08	ND			4.04	ND	
		6.44	ND			5.03	ND	
			ND				ND	
		6.54	ND			4.96	ND	
		6.41	ND			6.87	ND	

5/16/2010								
B20			B21				B2	
SBE	Rotifer % survival	TPH	LaMotte	ExtechProbe	SBE	TPH	LaMotte	ExtechProbe
DNM	100.0	DNM	DNM	DNM	DNM	DNM	DNM	DNM
6.93	93.3	(b)	2.0	DNM	6.79	(a)(b)	2.0	DNM
6.27	DNM	DNM	1.5	DNM	6.23	(a)(b)	0.9	DNM
4.57	100.0	ND	1.4	DNM	4.55	(a)(b)	2.1	DNM
3.74	DNM	ND	0.5	DNM	3.74	ND	1.3	DNM
3.78	75.0	DNM	0.8	DNM	3.78	ND	0.9	DNM
3.96	92.9	(b)	1.1	DNM	4.30	(a)(b)	1.1	DNM
4.85	90.0	DNM	2.2	DNM	5.00	ND	1.2	DNM
5.98	100.0	(b)	1.6	DNM	5.94	(a)(b)	1.4	DNM
6.06	80 (93.8)	(b)	2.4	DNM	5.98	ND	1.2	DNM
6.30	90.0	ND	1.9	DNM	6.24	(a)(b)	1.3	DNM
6.08	DNM	ND	1.7	DNM	5.97	ND	1.8	DNM

5/16/2010								
B31			B32				B3	
ExtechProbe	SBE	TPH	LaMotte	ExtechProbe	SBE	TPH	LaMotte	ExtechProbe
		ND				ND		
		ND				ND		
		ND				ND		
	4.25	ND			4.45	ND		
	3.52	ND			4.28	ND		
		ND				ND		
		ND				ND		
	3.75	ND			5.06	ND		
	4.40	ND			5.71	ND		
		ND				ND		
	4.25	ND			4.98	ND		
	4.34	ND			5.15	ND		

2								
		B23				B24		
SBE	TPH	LaMotte	ExtechProbe	SBE	TPH	LaMotte	ExtechProbe	SBE
DNM	DNM	DNM	DNM	DNM	DNM	DNM	DNM	DNM
6.79	(a)(b)	1.3	DNM	6.79	(a)(b)	DNM	6.53	6.81
6.48	(a)(b)	2.0	DNM	6.48	(a)(b)	DNM	6.41	6.33
4.60	(a)(b)	1.9	DNM	4.60	(a)(b)	DNM	5.33	4.53
3.72	ND	1.4	DNM	3.72	ND	DNM	4.98	3.78
3.77	ND	1.1	DNM	3.77	ND	DNM	4.67	3.42
4.27	ND	2.0	DNM	4.27	ND	DNM	5.02	4.16
4.97	ND	2.1	DNM	4.97	ND	DNM	5.66	4.89
5.56	(a)(b)	1.5	DNM	5.56	(a)(b)	DNM	6.03	5.31
6.27	ND	2.0	DNM	6.27	(a)(b)	DNM	5.29	5.18
6.26	(a)(b)	1.8	6.71	6.26	(a)(b)	DNM	7.31	6.15
6.40	ND	2.0	DNM	6.40	ND	DNM	6.39	6.07

5/20/2010								
3		B34 (location B24)				B35 (location B22)		
SBE	TPH	LaMotte	ExtechProbe	Rotifer % survival	TPH	LaMotte	ExtechProbe	Rotifer % survival
	ND				ND			
	ND		5.70		ND		5.66	
	ND		5.51		ND		4.65	
3.57	ND	2.20, 4.2, 5.20	4.02		ND	4.00, 4.20, 3.50	4.75	
4.49	ND		3.26		ND		4.03	
	ND		3.51		ND		3.81	
	ND		5.18		ND		3.90	
	ND		6.41		ND		4.58	
5.11	ND		6.50		ND		4.96	
5.14	ND		5.34		ND		6.00	
5.65	ND	6.00, 5.8, 4.70	5.60		ND	5.40, 5.20, 5.90	5.62	
6.42	ND		6.63		ND		5.62	

5/17/2010								
B25					B26 (location B21)			
TPH	LaMotte	ExtechProbe	SBE	TPH	LaMotte	ExtechProbe	SBE	TPH
DNM	DNM	DNM	DNM	ND	DNM	DNM	DNM	80
ND	2.1	DNM	6.71	1	DNM	5.49	6.77	ND
ND	DNM	6.13	7.27	ND	DNM	6.31	5.76	ND
ND	1.4	5.93	5.71	ND	DNM	4.54	4.60	ND
ND	1.2	4.41	4.26	ND	DNM	3.44	3.78	ND
ND	0.8	3.90	3.30	ND	DNM	3.32	3.76	ND
ND	1.3	4.21	4.24	ND	DNM	3.92	3.90	ND
ND	1.4	5.11	5.01	ND	DNM	5.12	4.92	ND
ND	DNM	5.23	5.81	ND	DNM	5.35	5.45	ND
ND	DNM	6.48	5.64	ND	DNM	5.97	5.72	ND
ND	DNM	6.00	5.99	ND	DNM	6.11	6.01	ND
ND	DNM	6.30	5.98	ND	DNM	6.85	6.18	ND

5/17/2010								
B36 (locations B21 & B26)					B37			
TPH	LaMotte	ExtechProbe	Rotifer % survival	TPH	LaMotte	ExtechProbe	Rotifer % survival	TPH
ND				ND				ND
ND		4.78		ND		4.26		ND
ND		5.30		ND		4.61		ND
		3.93			3.40	4.40		
ND				ND	4.20	4.41		ND
ND		3.70		ND		3.61		ND
ND		3.05		ND		4.57		ND
ND		4.05		ND		5.03		ND
ND		4.85		ND		5.65		ND
ND		5.32		ND		6.78		ND
ND		5.20		ND		6.73		ND
					6.00	6.30		
ND		5.57		ND	3.00	5.92		ND
ND		4.75		ND		6.01		ND

B27				B28		
LaMotte	ExtechProbe	SBE	TPH	LaMotte	ExtechProbe	SBE
DNM	DNM	DNM	1			
DNM	5.30	6.83	(a)(b)		6.24	6.89
DNM	5.20	6.54	ND		6.40	6.41
DNM	4.98	4.75	ND		5.82	5.28
DNM	3.97	3.79	ND		4.60	3.81
DNM	3.86	3.32	ND			3.33
DNM	3.91	3.79	ND		4.70	4.03
DNM	4.45	4.35	ND		5.45	4.87
DNM	4.97	4.90	ND		5.47	5.36
DNM	4.44	4.70	ND		5.39	5.57
DNM	4.55	5.36	ND		6.67	5.94
DNM	5.67	5.70	ND		6.21	5.89

5/21/2010								
B38 (locations 21, 26, and 36)				B39				
LaMotte	ExtechProbe	Rotifer % survival	TPH	LaMotte	ExtechProbe	Rotifer % survival	TPH	LaMotte
			ND				ND	
	5.15		ND		4.85		ND	
	4.71		ND		5.04		ND	
	3.95		ND	4.2	4.35		ND	4.8
4.4			ND	3.6	2.72		ND	3.8
3.8	3.91		ND		5.21		ND	
	3.68		ND		5.67		ND	
	4.78		ND	5.4	4.91		ND	5.2
5.8	5.40		ND		6.22		ND	5.4
5.6	5.03		ND	4.8	6.20		ND	5.8
5.4	5.50		ND					
6.00	5.39		ND	6.8	7.10		ND	5.6
6.00	5.23		ND	6.7	6.81		ND	4.6

							5/23/2010		
B40			B41				B42 (location 21, 26, 36, and 38)		
ExtechProbe	Rotifer % survival	TPH	LaMotte	ExtechProbe	Rotifer % survival	TPH	LaMotte	ExtechProbe	Rotifer % survival
		ND				ND			
5.56		ND		5.02		ND		5.81	
5.18		ND		5.31		ND		6.96	
4.05		ND	4.6	4.49		ND	5.2	6.57	
3.23		ND	4.0	4.04		ND	3.6	4.28	
4.44		ND		3.55		ND		6.42	
4.60		ND		3.84		ND		5.75	
4.89		ND	5.8	4.64		ND	5.6	5.89	
5.02		ND	6.0	5.41		ND	5.6	7.22	
5.25		ND	5.4	5.05		ND	5.4	6.44	
6.42		ND	6.2	5.23		ND	5.6	6.09	
5.65		ND	4.2	4.48		ND	5.0	6.45	

									5/24/2010
B43				B44					
TPH	LaMotte	ExtechProbe	Rotifer % survival	TPH	LaMotte	ExtechProbe	Rotifer % survival	TPH	LaMotte
ND				ND				ND	
ND		5.75		ND		4.75		(a)	
ND		6.38		ND		6.18		(a)	
ND	5.6	5.38		ND	6.0	5.03		ND	3.8
ND	2.8	3.88		ND	3.6	3.23		ND	4.2
(a)		5.47		ND		4.46		ND	
ND		5.25		ND		4.16		ND	
ND	5.0	5.51		ND	5.2	5.38		(a)(b)	4.6
(a)	4.8	5.15		ND	5.4	4.62		ND	6.2
ND	5.8	5.41		ND	6.0	4.72		ND	6.0
ND	6.6	5.11		ND	6.2	4.78		ND	6.4
ND	6.3	5.62		ND	6.8	5.38		(a)(b)	6.0

B45			B46			B47			
ExtechProbe	Rotifer % survival	TPH	LaMotte	ExtechProbe	Rotifer % survival	TPH	LaMotte	ExtechProbe	Rotifer % survival
		ND				ND			
3.95		(a)(b)		5.22		(a)(b)		4.67	
5.26		(a)(b)		5.90		(a)(b)		5.43	
4.01		ND	6.0	5.23		ND	5.8	5.14	
4.05		ND	3.4	3.54		ND	3.6	4.03	
4.71		(a)(b)		3.95		ND		4.32	
4.11		ND		4.62		ND		4.67	
5.65		(b)	5.2	4.94		(a)(b)	4.0	4.66	
5.49		(b)	5.8	5.27		(a)(b)	5.4	5.43	
4.77		ND	6.0	6.21		ND	4.0	5.01	
5.95		ND	6.6	5.85		ND	6.8	5.31	
5.79		(b)	6.8	4.99		ND	6.4	6.21	

5/25/2010

B48

B49

B50

TPH	LaMotte	ExtechProbe	Rotifer % survival	TPH	LaMotte	ExtechProbe	Rotifer % survival	TPH	LaMotte	ExtechProbe	Rotifer % survival
ND				ND				ND			
ND		5.03		ND	4.8	5.15		ND		3.64	
ND		5.44		ND		4.61		ND	5.8	5.26	
		4.39				3.46				3.46	
ND	4.8			ND				ND	3.8		
(a)(b)	3.6	4.26		ND		2.61		ND	5.2	4.80	
ND		4.01		ND	4.2	3.71		ND		5.10	
ND		4.09		ND	4.6	5.16		ND		3.63	
ND	5.0	3.88		ND		4.34		(b)	5.8	4.32	
ND	4.4	4.67		(b)	4.6	4.34		(a)(b)	6.2	4.38	
ND	5.8	4.13		(b)	5.6	3.76		ND	6.0	4.00	
ND	5.4	4.40		(b)	4.6	4.62		(b)	6.2	4.76	
ND	5.2	5.88		ND		4.65		ND		5.15	

	B51				B52 (location 21, 26, 36, 38, and 42)			
TPH	LaMotte	ExtechProbetifer % survi		TPH	LaMotte	ExtechProbetifer % survi		TPH
ND				ND				ND
(b)		4.36		ND		3.84		ND
(b)		5.34		ND		5.28		ND
		3.45				4.10		
ND	3.6			ND	5.0			ND
ND	5.0	4.69		ND	3.6	3.70		ND
ND		4.15		ND		3.12		ND
ND		4.23		ND		4.93		ND
(a)(b)	4.8	4.62		ND	5.6	5.29		ND
(b)	5.0	4.94		(b)	5.4	5.47		
(a)(b)	5.8	5.58		ND	5.8	4.98		(b)
(b)	6.0	5.08		ND	6.2	5.22		ND
ND	5.6	4.88		ND	5.4	6.15		ND

RV Brooks McCall Data Summary - Cruise 5/30-6/7/10

5/30/2010									
B53 (location B44)					B54 (location OV011)				
Depth	CTD	ExtechProbe	Rotifer % survival	TPH	Depth	CTD	ExtechProbe	Rotifer % survival	
Surface	4.80	DNM	94.44	DNM	Surface	4.80	DNM	85.91	
2	4.80	DNM	95.00	ND	2	4.80	DNM	92.37	
499	2.80	DNM	96.30	ND	499	2.80	DNM	99.05	
999	4.08	DNM	96.20	(b)	849	3.58	DNM	DR	
1219	4.56	DNM	93.15	(b)	1194	4.50	DNM	90.91	
1509	4.82	DNM	95.62	(b)	1529	4.82	DNM	91.67	

RV Brooks McCall Data Summary - Cruise 6/11-6/17/10

6/11/2010									
BM75					BM76				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	
surface	DNM	DNM	(-)	DNM	surface	DNM	DNM	(-)	
2	6.5	DNM	DNM	(b)	2	6.4	DNM	DNM	
10	6.5	DNM	DNM	(a)(b)	201	4.1	DNM	DNM	
250	4.0	DNM	DNM	(a)	500	3.8	5.8	(-)	
519	4.0	DNM	DNM	(a)	749	4.6	DNM	DNM	
899	5.0	5.5	(-)	(a)	913	5.2	DNM	DNM	
1099	6.1	5.8	(-)	ND	1106	6.1	7.4	(-)	
1530	6.7	5.7	(-)	ND	1512	6.8	6.5	(-)	

RV Brooks McCall Data Summary - Cruise 6/18-6/23/10

6/18/2010									
BM91					BM92				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	
surface	DNM	7.46	(-)	DNM	surface	DNM	7.35	(-)	
2	7	DNM	DNM	(a)(b)	2	7.2	DNM	DNM	

						5/31/2010		
B55					B56			
TPH	Depth	CTD	ExtechProbe	Rotifer % survival	TPH	Depth	CTD	ExtechProbe
DNM	Surface	4.73	DNM	94.89	DNM	Surface	4.8	DNM
ND	2	4.73	DNM	95.15	ND	2	4.8	DNM
ND	449	2.76	DNM	95.54	ND	50	5.0	DNM
(b)	919	3.82	DNM	95.24	ND	499	2.7	DNM
ND	1073	4.12	DNM	DR	ND	954	4.0	DNM
(b)	1324	4.80	DNM	97.18	ND	1037	4.0	DNM
						1529	4.8	DNM

BM77					BM78			
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
DNM	surface	DNM	DNM	(-)	(a)(b)	surface	DNM	DNM
(a)(b)	2	6.5	DNM	DNM	(a)(b)	2	6.7	DNM
ND	225	4.2	DNM	DNM	(a)	37	7.1	DNM
(a)	500	3.9	DNM	DNM	ND	220	4.2	DNM
ND	617	4.2	DNM	DNM	(a)	500	4.0	DNM
(b)	912	5.1	6.0	(-)	ND	919	5.1	7.4
ND	1127	6.0	6.4	(-)	(a)	1143	6.3	7.8
(a)(b)	1482	6.6	6.7	(-)	(a)	1433	6.5	8.3

BM93					BM94			
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
DNM	surface	DNM	7.37	(-)	DNM	surface	DNM	7.55
(a)(b)	2	7.2	DNM	DNM	(a)(b)	2	7.2	DNM

B57								
Rotifer % survival	TPH	Depth	CTD	ExtechProbe	Rotifer % survival	TPH	Depth	CTD
93.71	DNM	Surface	4.9	DNM	93.14	DNM	Surface	4.7
DNM	ND	2	4.9	DNM	DNM	ND	2	4.7
DNM	ND	66	5.0	DNM	DNM	ND	72	5.2
89.08	ND	499	2.7	DNM	DR	ND	499	2.8
95.65	(b)	1084	4.2	DNM	DNM	(b)	1136	4.3
DNM	(b)	1116	4.0	DNM	DNM	(b)	1179	4.1
92.73	(b)	1174	4.1	DNM	94.49	(b)	1279	4.5
		1214	4.0	DNM	DNM	(b)	1299	4.7
		1498	4.8	DNM	98.2	ND		

6/12/2010								
BM79								
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD
(-)	DNM	surface	DNM	DNM	(-)	DNM	surface	DNM
DNM	(a)(b)	2	7	DNM	(-)	(a)(b)	2	7
DNM	(a)(b)	39	7.5	DNM	(-)	(a)(b)	40	7.8
DNM	(a)(b)	200	4.5	DNM	(-)	(b)	225	4
DNM	(a)	516	4.0	DNM	(-)	(a)(b)	340	4
(-)	(a)	936	5.0	5.4	(-)	ND	680	4.8
(-)	(a)	1149	6.2	5.8	(-)	(a)	924	5.5
(-)	(a)(b)	1401	7	5.6	(-)	ND	1139	6.2
							1441	7

6/19/2010								
BM95								
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD
(-)	DNM	surface	DNM	7.64	(-)	DNM	surface	DNM
DNM	ND	2	8.6	DNM	DNM	(-)	2	4.6

								6/1/2010
B58			B59					
ExtechProbe	Rotifer % survival	TPH	Depth	CTD	ExtechProbe	Rotifer % survival	TPH	Depth
DNM	96.20	DNM	Surface	4.7	DNM	93.75	DNM	Surface
DNM	DNM	ND	2	4.7	DNM	DNM	ND	2
DNM	DNM	ND	63	5.3	DNM	DNM	ND	60
DNM	96.21	ND	499	2.7	DNM	94.59	ND	500
DNM	DNM	(b)	1343	4.8	DNM	94.07	ND	1298
DNM	86.70	(b)	1398	4.9	DNM	98.37	ND	1498
DNM	DNM	(b)						
DNM	78.45	(b)						

BM80			BM81					
ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)
DNM	(-)	DNM	surface	DNM	DNM	100	DNM	surface
DNM	(-)	ND	2	7	DNM	DNM	(a)(b)	2
DNM	(-)	(a)	150	4.8	DNM	DNM	(a)	80
DNM	(-)	ND	400	4	DNM	DNM	ND	190
DNM	(-)	ND	873	5.3	4.0	100	(a)(b)	935
DNM	(-)	ND	904	5.3	DNM	DNM	ND	1051
4.6	(-)	ND	964	5.7	DNM	DNM	ND	1149
4.7	(-)	(b)	1133	6.5	4.3	100	(a)	1495
4.4	(-)	ND	1502	7	5.1	100	(b)	

BM96			BM97					
ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)
7.26	(-)	DNM	surface	DNM	7.55	(-)	DNM	surface
DNM	DNM	(-)	2	6.9	DNM	DNM	(-)	2

B60				B61				
CTD	ExtechProbe	Rotifer % survival	TPH	CTD	ExtechProbe	Rotifer % survival	TPH	CTD
4.8	DNM	95.35	DNM	3.2	DNM	(-)	ND	2.6
4.8	DNM	DNM	(b)	3.2	DNM	DNM	ND	2.6
5.0	DNM	DNM	ND	4.8	DNM	DNM	ND	5.2
2.8	DNM	95.24	ND	4.6	DNM	DNM	DNM	4.8
4.6	DNM	99.33	ND	3.2	DNM	DNM	DNM	3.0
4.8	DNM	98.05	ND	2.6	DNM	(-)	ND	2.8
				3.4	DNM	DNM	DNM	3.2
				4.0	DNM	DNM	DNM	4.0
				3.6	DNM	DNM	DNM	4.4
				3.4	DNM	(-)	ND	4.6
				3.4	DNM	(-)	ND	4.6
				DNM	DNM	DNM	DNM	DNM

6/13/2010									
BM82				BM83					
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	
DNM	DNM	92.31	DNM	surface	DNM	DNM	DNM	DNM	DNM
7.8	DNM	DNM	(a)(b)	2	6.6	DNM	DNM	DNM	(a)(b)
7.8	DNM	DNM	ND	40	7.7	DNM	DNM	DNM	(a)
4.8	DNM	DNM	ND	100	6.6	DNM	97.22	DNM	(a)
5.5	DNM	DNM	(a)	220	4.2	DNM	DNM	DNM	(-)
5.8	4.6	93.94	(a)	500	3.8	DNM	DNM	DNM	(-)
6.3	4.9	92.31	(a)	943	5.1	4.3	89.66	DNM	(-)
7	4.7	100.00	ND	1084	6.0	4.4	86.21	DNM	(a)(b)
				1436	6.7	5.0	100.00	DNM	(a)

BM98				BM99					
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	
DNM	7.2	(-)	DNM	surface	DNM	7.43	(-)	DNM	DNM
8.5	DNM	DNM	(-)	2	6.9	DNM	DNM	DNM	(-)

B62			B63				B64		
ExtechProbe	Rotifer % survival	TPH	CTD	ExtechProbe	Rotifer % survival	TPH	CTD	ExtechProbe	Rotifer % survival
DNM	DNM	DNM	3.2	DNM	DNM	DNM	4.6	DNM	DNM
DNM	DNM	ND	3.2	DNM	DNM	ND	4.7	DNM	DNM
DNM	DNM	ND	5.2	DNM	DNM	ND	5.2	DNM	DNM
DNM	DNM	DNM	4.8	DNM	DNM	DNM	4.8	DNM	DNM
DNM	DNM	DNM	3.0	DNM	DNM	DNM	3.0	DNM	DNM
DNM	(-)	ND	2.8	DNM	(-)	ND	2.8	DNM	(-)
DNM	DNM	DNM	3.2	DNM	DNM	DNM	3.3	DNM	DNM
DNM	DNM	DNM	3.8	DNM	DNM	DNM	3.6	DNM	(-)
DNM	DNM	DNM	4.6	DNM	(-)	ND	3.4	DNM	DNM
DNM	(-)	ND	4.6	DNM	(-)	ND	3.2	DNM	DNM
DNM	(-)	ND	4.8	DNM	DNM	DNM	DNM	DNM	(-)
DNM	DNM	DNM	DNM	DNM	DNM	DNM	DNM	DNM	DNM

BM84					BM85				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
surface	DNM	DNM	97.4	DNM	surface	DNM	DNM	96.97	DNM
2	6.6	DNM	DNM	(a)(b)	2	6.7	DNM	DNM	(a)(b)
200	4.1	DNM	DNM	(b)	200	4.3	DNM	DNM	ND
499	3.8	DNM	DNM	(a)	500	3.8	DNM	DNM	ND
920	5.1	DNM	DNM	ND	909	5.1	DNM	DNM	ND
1049	5.8	4.1	88.6	(a)(b)	1049	5.4	4.0	94.44	(a)(b)
1117	6.1	DNM	DNM	(a)(b)	1099	6.1	DNM	DNM	(a)(b)
1149	6.1	5.4	85.2	(a)(b)	1149	6.1	5.0	91.30	(a)(b)
1386	6.7	5.2	94.1	ND	1378	6.8	5.5	96.43	(a)

6/23/2010

BM100					BM101				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
surface	DNM	6.58	96.67	DNM	surface	DNM	6.57	100	DNM
2	5.6	DNM	DNM	(b)	2	5.6	DNM	DNM	ND

6/5/2010									
BM65					BM66				
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival
DNM	surface	DNM	DNM	(-)	DNM	surface	DNM	DNM	(-)
ND	2	7	DNM	(-)	(a)(b)	2	6	DNM	(-)
DNM	69	6	DNM	(-)	(a)(b)	299	4	DNM	(-)
ND	399	3.8	4.40	(-)	(a)(b)	700	4.6	4.90	DNM
DNM	499	3.9	DNM	(-)	(a)(b)	899	5.3	DNM	(-)
ND	624	4.1	4.60	(-)	(a)	989	5.8	DNM	(-)
DNM	898	5.3	DNM	(-)	(a)(b)	1080	6.1	6.13	(-)
ND	1029	5.8	DNM	(-)	(a)	1558	6.8	6.90	(-)
ND	1540	7	6.70	(-)	(a)				
DNM									
ND									
DNM									

BM86					BM87				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
surface	DNM	DNM	DNM	DNM	surface	DNM	DNM	96.55	DNM
2	6.5	DNM	DNM	(a)(b)	2	6.8	DNM	DNM	(a)(b)
90	6.6	DNM	DNM	ND	75	6.9	DNM	DNM	ND
200	4.1	DNM	100	(a)	240	4.1	DNM	DNM	(a)
500	3.8	DNM	DNM	(a)	510	3.8	DNM	DNM	ND
921	5.2	DNM	DNM	(a)	914	4.9	DNM	DNM	(a)
1049	5.3	3.7	96.00	(a)(b)	1060	5.3	4.5	100	(b)
1149	6.1	4.7	88.89	(a)(b)	1149	6.0	5.0	96.77	(a)(b)
1370	6.6	4.4	90.62	(a)	1374	6.7	6.1	96.77	ND

BM102				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
surface	DNM	6.62	100	DNM
3	5.6	DNM	DNM	ND

					6/6/2010				
BM67					BM68				
TPH	Depth (m)	CTD	ExtechProbe	otifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival
DNM	surface	DNM	DNM	(-)	DNM	surface	DNM	DNM	(-)
(a)(b)	2	6.1	DNM	DNM	(a)(b)	2	6.6	DNM	DNM
(a)(b)	93	6.7	DNM	DNM	(a)	75	7.5	DNM	DNM
DNM	499	3.9	4.04	(-)	(a)(b)	200	4.2	DNM	DNM
(a)(b)	999	5.7	DNM	DNM	(a)(b)	500	3.8	4.21	(-)
(a)	1067	5.9	DNM	DNM	(a)(b)	914	5	5.19	(-)
(a)(b)	1099	6.1	5.65	(-)	(a)(b)	1004	5.7	DNM	DNM
(a)	1593	6.8	6.34	(-)	(a)	1298	6.5	DNM	DNM
						1589	6.9	6.57	(-)

6/17/2010									
BM88					BM89				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
surface	DNM	DNM	100	(a)(b)	surface	DNM	DNM	92.31	DNM
1	4.9	DNM	DNM	(a)(b)	2	5.3	DNM	DNM	(a)(b)
140	4.0	DNM	DNM	(a)	150	4.3	DNM	DNM	(a)
274	4.0	DNM	DNM	(a)	250	4.1	DNM	DNM	(a)
490	3.8	DNM	DNM	(a)	500	3.9	DNM	DNM	(b)
959	5.7	7.21	93.10	(a)	910	5.3	6.94	100	(a)
1149	6.3	7.81	100	ND	1009	5.7	7.16	92.86	ND
1223	6.4	DNM	DNM	ND	1487	6.9	8.28	100	ND
1558	6.9	8.25	88.46	ND					

BM69												BM70				
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % surv	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % surv	TPH	Depth (m)					
DNM	surface	DNM	DNM	(-)	DNM	surface	DNM	DNM	(-)	DNM	surface					
(a)(b)	2	6.8	DNM	DNM	(a)(b)	2	6.6	DNM	DNM	(a)(b)	2					
(a)	32	7	DNM	DNM	(a)(b)	99	6.4	DNM	DNM	(a)	100					
(a)(b)	56	7.5	DNM	DNM	(a)(b)	250	4.0	DNM	DNM	(a)(b)	249					
(b)	499	3.8	DNM	DNM	(a)	499	3.9	DNM	DNM	(a)(b)	500					
(a)(b)	883	5	5.33	(-)	(a)	749	4.8	DNM	DNM	(a)(b)	749					
(a)	1004	5.5	5.53	(-)	(a)	999	5.5	DNM	DNM	(a)(b)	1038					
(b)	1536	6.7	6.52	(-)	(a)	1149	6.4	6.12	(-)	(a)(b)	1299					
(a)						1299	6.6	DNM	DNM	(a)(b)	1563					
						1468	6.8	6.62	(-)	(a)(b)						

BM90				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
surface	DNM	DNM	100	DNM
2	5.5	DNM	DNM	(a)(b)
160	4.1	DNM	DNM	(a)
275	4.0	DNM	DNM	(a)
500	3.9	DNM	DNM	(a)
880	4.9	7.38	100	(a)
1064	5.7	DNM	DNM	(a)
1108	5.8	6.64	88.89	(a)
1545	6.8	8.21	88	(a)

6/7/2010											
BM71				BM72					BM73		
CTD	ExtechProbe	tifer % surv	TPH	Depth (m)	CTD	ExtechProbe	tifer % surv	TPH	Depth (m)	CTD	ExtechProbe
DNM	DNM	(-)	DNM	surface	DNM	DNM	(-)	DNM	surface	DNM	DNM
6.7	DNM	DNM	(a)(b)	2	6.8	DNM	DNM	(a)(b)	2	6.8	DNM
6.9	DNM	DNM	(a)	30	7.2	DNM	DNM	(a)(b)	39	7.2	DNM
4.0	DNM	DNM	ND	100	5.8	DNM	DNM	(a)	499	3.9	DNM
3.9	DNM	DNM	(a)(b)	300	4	DNM	DNM	(a)	799	4.4	DNM
4.6	DNM	DNM	(a)	499	3.9	DNM	DNM	(a)	983	5.2	DNM
5.5	DNM	(-)	(a)	892	5.2	DNM	(-)	(a)(b)	1198	6.4	DNM
6.7	DNM	DNM	(a)	1006	5.4	DNM	(-)	(b)	1574	6.6	DNM
6.7	DNM	(-)	(a)	1456	6.6	DNM	(-)	(a)(b)			

		BM74				
tifer % surv	TPH	Depth (m)	CTD	ExtechProbe	tifer % surv	TPH
(-)	DNM	surface	DNM	DNM	(-)	DNM
DNM	(a)(b)	2	6.5	DNM	DNM	(a)(b)
DNM	(b)	35	7.0	DNM	DNM	(a)
DNM	(a)	250	4.0	DNM	DNM	(a)
DNM	(a)(b)	499	3.9	DNM	(-)	(a)
(-)	(b)	749	4.3	DNM	DNM	(b)
DNM	(a)	1118	6.1	DNM	(-)	(a)(b)
(-)	(b)	1409	6.7	DNM	(-)	(a)

80	7.2	DNM	DNM	(a)(b)	160	4.1	DNM	DNM
250	4.0	DNM	DNM	(a)(b)	400	3.8	DNM	DNM
550	3.9	5.37	(-)	(a)(b)	675	4	DNM	DNM
999	5.9	7.25	(-)	(a)	949	5.1	6.99	(-)
1149	6.4	DNM	DNM	(a)	950	5.1	DNM	DNM
1450	6.9	DNM	(-)	(a)	1054	5.6	DNM	DNM
					1094	5.4	7.39	(-)
					1361	6.3	8.08	(-)

RV Brooks McCall Data Summary - Cruise 6/24-7/6/10

6/24/2010									
BM103					BM104				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	
surface	DNM	8.32	80.00	(a)(b)	surface	DNM	6.66	83.33	
2	5.5	DNM	DNM	(b)	3	6.9	DNM	DNM	
50	6.9	DNM	DNM	(b)	500	4.0	DNM	DNM	
250	4.4	DNM	DNM	(b)	1049	5.8	6.32	(+)	
500	5.0	DNM	DNM	(a)(b)	1109	6.2	6.65	(+)	
1099	6.2	6.86	86.67	(b)	1159	6.3	6.16	80.00	
1154	6.4	6.44	86.67	(a)(b)	1224	6.4	6.50	83.30	
1249	6.6	7.04	83.33	(b)	1944	DNM	DNM	DNM	
1479	6.9	DNM	DNM	ND					

RV Brooks McCall Data Summary - Cruise 7/11-7/13/10

7/11/2010									
BM118					BM119				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	
2	6.5	5.2	DNM	(-)	2	6.5	5.4	DNM	
50	7.2	DNM	100.00	(-)	50	7.3	DNM	100.00	
300	4.2	2.3	DNM	(-)	300	4.5	3.6	DNM	
500	3.8	DNM	DNM	(-)	500	4.0	DNM	DNM	
1000	5.5	DNM	DNM	(-)	1000	5.8	DNM	DNM	
1200	6.0	4.6	100.00	(-)	1200	6.2	5.3	100.00	
1300	6.2	DNM	96.67	(-)	1300	6.3	DNM	100.00	
1477	6.5	DNM	100.00	(-)	1591	7.0	DNM	100.00	

(a)(b)	175	4.1	DNM	DNM	ND	215	4.9	DNM
(a)(b)	200	4.2	DNM	DNM	ND	399	4.1	DNM
(a)(b)	575	4	DNM	DNM	ND	575	4	DNM
(a)	855	4.4	6.05	(-)	ND	874	5.3	6.74
(a)	1049	5.8	DNM	DNM	(a)	1024	5.6	7.05
(a)	1124	5.2	7.37	(-)	ND	1025	5.6	DNM
(a)	1387	6.6	7.83	(-)	ND	1152	6.2	7.64
						1253	6.3	DNM

BM105									BM106		
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe			
DNM	surface	DNM	6.70	DR	DNM	surface	DNM	6.73			
(b)	2	5.5	DNM	DNM	(b)	2	5.4	DNM			
(b)	250	4.6	DNM	DNM	(b)	81	6.6	DNM			
(b)	499	4.0	DNM	DNM	(b)	225	4.7	DNM			
(a)(b)	750	4.5	DNM	DNM	ND	600	4.2	4.70			
(a)(b)	899	5.4	5.56	DR	(b)	1079	6.0	DNM			
(b)	1110	5.9	6.51	DR	ND	1149	6.3	6.34			
ND	1454	6.6	7.30	DR	ND	1199	6.4	6.89			
						1520	6.8	DNM			

BM120					BM121			
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
(-)	2	6.5	DNM	DNM	DNM	2	5.7	6.4
(-)	50	7.5	DNM	100.00	(-)	50	7.5	DNM
(-)	300	4.5	DNM	DNM	(-)	300	4.4	5.1
(-)	500	3.8	DNM	100.00	(-)	500	3.9	DNM
(-)	1160	6.0	DNM	DNM	(-)	1000	5.8	DNM
(-)	1200	5.6	DNM	DNM	(-)	1200	6.0	6.5
(-)	1230	6.2	DNM	100.00	(-)	1300	61.0	DNM
(-)	1577	6.8	DNM	100.00	(-)	1568	6.7	DNM

DNM	ND	125	6.3	DNM	DNM	(-)	180	5.5
DNM	ND	195	6.0	DNM	DNM	(-)	250	5.4
DNM	ND	500	5.1	DNM	DNM	(-)	500	4.9
(-)	ND	849	6.6	DNM	DNM	(-)	749	4.2
(-)	ND	939	6.4	6.76	(-)	(-)	900	5.4
DNM	ND	1099	7.0	7.17	(-)	(-)	1031	4.9
(-)	ND	1243	8.6	8.09	(-)	(-)		
DNM	ND							

6/25/2010								
BM107								
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD
86.67	DNM	surface	DNM	7.14	93	DNM	Surface	DNM
DNM	(a)	2	6.5	DNM	DNM	(b)	2	6.3
DNM	(b)	50	DNM	DNM	DNM	ND	250	4.0
DNM	ND	500	3.9	DNM	DNM	(b)	1100	6.1
96.67	ND	939	5	5.36	100	ND	1153	6.2
DNM	(a)(b)	1130	6.1	5.23	100	(a)(b)	1199	6.3
96.67	(a)(b)	1159	6.2	DNM	DNM	(a)(b)	1566	6.8
100	ND	1199	6.3	6.93	97	(b)		
DNM	ND	1538	6.7	DNM	DNM	(b)		

7/12/2010								
BM122								
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD
(-)	(-)	0.5	5.8	DNM	(-)	(-)	0.5	5.0
DNM	(-)	3	6.5	DNM	DNM	(-)	3	5.0
(-)	(-)	50	7.2	DNM	DNM	(-)	50	7.5
DNM	(-)	500	3.9	DNM	(-)	(-)	300	4.4
DNM	(-)	1000	5.8	DNM	DNM	(-)	500	4.0
DNM	(-)	1200	6.1	DNM	DNM	(-)	1109	5.9
(-)	(-)	1300	6.4	DNM	DNM	(-)	1150	6.0
(-)	(-)	1579	6.2	DNM	(-)	(-)	1189	6.1
							1209	6.1
							1583	6.9

DNM	DNM	(-)	160	5.5	DNM	DNM	(-)	75
DNM	DNM	(-)	200	6.2	DNM	DNM	(-)	200
DNM	DNM	(-)	500	5	DNM	DNM	(-)	489
6.14	(-)	(-)	750	5.8	DNM	DNM	(-)	1030
6.79	(-)	(-)	899	7.1	6.84	(-)	(-)	1139
7.26	(-)	(-)	999	7.1	6.91	(-)	(-)	1199
			1276	8.6	7.98	(-)	(-)	1370

BM108			BM109					
ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)
8.31	93.33	DNM	surface	DNM	5.15	DR	DNM	surface
DNM	DNM	(a)	2	5.8	DNM	DNM	(b)	2
DNM	DNM	(a)	250	4.3	DNM	DNM	(b)	250
5.93	93.33	ND	749	5.6	DNM	DNM	(a)(b)	500
6.78	100.00	(a)(b)	950	5.3	4.50	DR	(a)	750
7.18	96.67	ND	1120	6.3	6.82	DR	(a)(b)	1020
DNM	93.33	ND	1249	6.5	4.52	DR	ND	1149
			1541	6.3	DNM	DNM	(a)	1552

BM123			BM124					
ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)
7.2	(-)	(-)	0.5	5.6	DNM	DNM	(-)	0.5
DNM	DNM	(-)	2	5.6	DNM	DNM	(-)	2
DNM	DNM	(-)	50	7.2	DNM	DNM	(-)	50
DNM	DNM	(-)	500	3.9	DNM	DNM	(-)	500
DNM	DNM	(-)	990	5.8	DNM	DNM	(-)	979
DNM	DNM	(-)	1034	5.8	DNM	DNM	(-)	1049
DNM	DNM	(-)	1139	6.0	DNM	DNM	(-)	1139
DNM	DNM	(-)	1179	6.0	DNM	DNM	(-)	1179
DNM	DNM	(-)	1219	6.1	DNM	DNM	(-)	1209
DNM	DNM	(-)	1589	6.8	DNM	DNM	(-)	1594

7.5	DNM	DNM	(-)	175	5.3	DNM	DNM	(-)
5.9	DNM	DNM	(-)	250	5.4	DNM	DNM	(-)
5.1	DNM	DNM	(-)	500	5.2	DNM	DNM	(-)
7.3	6.74	(-)	(-)	749	6.1	DNM	DNM	(-)
7.5	7.13	(-)	(-)	1024	7.3	6.95	(-)	(-)
8.4	DNM	DNM	(-)	1149	7.5	7.47	(-)	(-)
8.6	7.95	(-)	(-)	1411	8.8	DNM	(-)	(-)

BM110				BM111				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
DNM	5.46	DR	DNM	surface	DNM	6.43	90.00	DNM
5.3	DNM	DNM	ND	2	5.6	DNM	DNM	(a)(b)
4.5	DNM	DNM	(b)	249	4.3	DNM	DNM	(b)
4.0	DNM	DR	(b)	899	5.3	2.70	96.67	(a)
4.6	DNM	DNM	ND	1149	6.2	4.09	93.33	(a)
5.8	3.74	DR	ND	1405	6.7	5.13	86.67	(a)
6.2	4.96	DR	ND					
6.8	5.56	DNM	ND					

BM125				BM126				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
5.5	7.1	(-)	(-)	3	4.9	DNM	DNM	(-)
5.5	DNM	DNM	(-)	51	7.1	DNM	86.67	(-)
7.1	DNM	DNM	(-)	500	3.8	DNM	DNM	(-)
3.9	DNM	DNM	(-)	1079	5.9	DNM	DNM	(-)
5.8	DNM	DNM	(-)	1110	6.0	DNM	100	(-)
5.9	DNM	DNM	(-)	1144	6.0	DNM	96.67	(-)
6.0	DNM	DNM	(-)	1159	6.1	DNM	DNM	(-)
6.1	DNM	DNM	(-)	1597	6.8	DNM	100	(-)
6.1	DNM	DNM	(-)					
6.8	DNM	DNM	(-)					

100	6.5	DNM	DNM	(b)	100	6.5	DNM	DNM	ND
251	4.4	DNM	DNM	(a)(b)	250	4.1	DNM	DNM	ND
500	4	DNM	DNM	ND	500	3.9	DNM	DNM	ND
749	4.7	DNM	DNM	(b)	750	4.7	DNM	DNM	(b)
899	5.3	7.68	96.67	(a)(b)	900	5.4	6.42	100	ND
1149	6.4	8.36	90	(b)	1149	6.4	6.89	96.67	ND
1593	6.9	6.87	100	(b)	1615	6.8	DNM	93.33	ND

7/5/2010

BM 112					BM 113				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.3	DNM	100	(-)	0.5	6.4	6.27	93.33	(-)
2	6.3	DNM	DNM	(-)	3	6.4	DNM	DNM	(-)
300	4.5	DNM	100	(-)	50	7.3	DNM	DNM	(-)
499	3.8	2.38	DNM	(-)	300	4.4	DNM	DNM	(-)
1099	6.0	3.98	DNM	(-)	500	3.8	2.94	100	(-)
1167	5.8	DNM	DNM	(-)	999	5.5	DNM	DNM	(-)
1168	5.8	DNM	DNM	(-)	1199	6.2	4.77	DNM	(-)
1174	5.5	3.61	90	(-)	1222	6.3	DNM	100	(-)
1259	6.4	DNM	DNM	(-)	1239	6.4	DNM	87.67	(-)
1299	6.6	DNM	DNM	(-)	1269	6.5	4.32	DNM	(-)
1538	6.7	DNM	93.33	(-)	1527	6.7	DNM	90	(-)

BM127					BM129				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
2	5.5	DNM	DNM	(-)	2	5.5	DNM	DNM	(-)
50	7.1	DNM	100	(-)	50	7.1	DNM	DNM	(-)
100	6.0	DNM	DNM	(-)	500	3.9	DNM	100	(-)
500	3.8	DNM	100	(-)	1000	5.7	DNM	DNM	(-)
1000	5.8	DNM	100	(-)	1122	6.0	DNM	93.33	(-)
1200	6.0	DNM	DNM	(-)	1150	6.1	DNM	100	(-)
1302	6.1	DNM	100	(-)	1250	6.4	DNM	DNM	(-)
					1588	6.9	DNM	100	(-)

250	4.1	DNM	DNM	ND
500	3.8	DNM	DNM	ND
750	4.7	DNM	DNM	ND
1050	5.8	6.34	100	ND
1149	6.3	5.89	96.67	ND
1582	6.7	6.65	100	ND

7/6/2010									
BM 114					BM 115				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.5	6.22	100	(-)	0.5	6.5	6.91	DNM	(-)
50	7.5	DNM	DNM	(-)	50	7.1	DNM	DNM	(-)
299	4.5	2.05	DNM	(-)	300	4.5	DNM	DNM	(-)
500	3.8	DNM	DNM	(-)	499	3.8	6.38	(-)	(-)
999	5.5	3.31	100	(-)	999	5.7	DNM	DNM	(-)
1249	6.3	DNM	96.67	(-)	1179	6.1	6.87	DNM	(-)
1250	6.3	4.78	DNM	(-)	1204	5.4	DNM	(-)	(-)
1449	6.7	DNM	100	(-)	1239	6.3	6.91	(-)	(-)
1468	6.8	DNM	93.33	(-)	1576	6.8	DNM	(-)	(-)

BM130				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
2	5.5	DNM	DNM	(-)
51	7.1	DNM	DNM	(-)
500	3.8	DNM	93.33	(-)
1100	5.9	DNM	DNM	(-)
1145	6.0	DNM	90	(-)
1174	6.1	DNM	93.33	(-)
1204	6.1	DNM	DNM	(-)
1583	6.9	DNM	93.33	(-)

BM 116					BM 117				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.4	6.33	DNM	(-)	0.5	6.5	6.22	DNM	(-)
2	6.4	DNM	DNM	(-)	2	6.5	DNM	DNM	(-)
50	7.3	DNM	DNM	(-)	50	7.2	DNM	DNM	(-)
300	4.4	DNM	DNM	(-)	299	4.4	DNM	DNM	(-)
500	3.8	4.7	(-)	(-)	500	3.8	5.34	(-)	(-)
1000	5.5	DNM	DNM	(-)	999	5.6	DNM	DNM	(-)
1218	6.2	DNM	(-)	(-)	1230	6.1	DNM	DNM	(-)
1239	6.4	DNM	(-)	(-)	1259	6.2	DNM	(-)	(-)
1551	6.7	8.23	(-)	(-)	1290	6.5	DNM	DNM	(-)
				(-)	1289	6.5	6.1	(-)	(-)
					1534	6.4	DNM	(-)	(-)

RV Brooks McCall Data Summary - Cruise 7/17-7/19/10

7/17/2010								
BM131					BM132			
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival
0.5	6.5	6.6	(-)	DNM	0.5	6.5	5.9	(-)
2.4	6.5	DNM	DNM	(-)	1.7	6.5	DNM	DNM
50	7.2	DNM	DNM	(-)	50	7.2	DNM	DNM
500	4.0	4.2	(-)	(-)	500	4.0	3.9	(-)
1000	5.2	DNM	DNM	(-)	1000	5.1	DNM	DNM
1348	6.1	DNM	DNM	(-)	1400	5.9	DNM	DNM
1378	5.2	5.3	(-)	(-)	1428	5.6	5.3	(-)
1379	5.1	DNM	DNM	(-)	1429	5.5	DNM	DNM
1429	6.2	5.84	(-)	(-)	1459	6.0	5.4	(-)
1693	7.0	6.2	(-)	(-)	1693	6.8	5.8	(-)

RV Brooks McCall Data Summary - Cruise 7/29-8/4/2010

7/29/2010								
BM141					BM142			
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival
0.5	6.0	DNM	96.67	DNM	0.5	6.1	DNM	100
2	6.0	5.65	DNM	(-)	2	6.1	DNM	DNM
250	4.8	DNM	DNM	(-)	250	4.7	4.70	DNM
500	4.0	5.82	100	(-)	500	3.9	3.95	DNM
1050	5.7	DNM	DNM	(-)	1049	6.0	DNM	100
1149	6.1	6.02	100	(-)	1149	6.2	5.62	100
1199	6.2	6.11	100	(-)	1199	6.3	5.80	100
1495	6.8	6.05	100	(-)	1579	6.8	6.0	DNM

Note: Stations BM154, BM155, BM156 are all at the same location.

Brooks McCall Data Summary 8/05/2010 - 8/11/2010

8/5/2010								

BM138				BM139				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
6.2	7.80	93.3	DNM	1	6.2	6.4	80	DNM
6.2	DNM	DNM	(-)	2	6.2	DNM	DNM	(-)
5.0	DNM	DNM	(-)	300	4.1	DNM	DNM	(-)
5.8	4.10	96.67	(-)	500	3.9	4.1	100	(-)
5.5	DNM	DNM	(-)	1189	6.0	DNM	DNM	(-)
5.8	5.70	96.67	(-)	1209	5.9	5.7	100	(-)
6.2	5.80	96.67	(-)	1259	6.2	5.6	100	(-)
6.7	6.6	96.3	(-)	1790	6.7	6.1	96.67	(-)

				7/31/2010				
BM148				BM149				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
6.3	DNM	DNM	DNM	0.5	6.2	DNM	DNM	DNM
6.3	DNM	DNM	(-)	2	6.2	DNM	100	(-)
4.7	5.14	DNM	(-)	250	4.7	5.65	DNM	(-)
3.9	4.85	100	(-)	500	3.7	DNM	DNM	(-)
6.0	DNM	DNM	(-)	1049	5.7	6.17	DNM	(-)
6.2	6.35	100	(-)	1151	5.5	6.26	100	(-)
6.5	6.58	96.67	(-)	1184	5.3	6.38	100	(-)
6.7	6.79	DNM	(-)	1269	6.2	6.75	100	(-)

BM140

Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.2	7.40	100	DNM
2.6	6.2	DNM	DNM	(-)
300	4.0	DNM	DNM	(-)
500	4.0	4.20	100	(-)
1000	5.7	DNM	DNM	(-)
1200	6.2	5.50	100	(-)
1300	6.5	5.90	100	(-)
1500	6.8	6.1	96.67	(-)

BM150

Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.6	DNM	DNM	DNM
2	6.6	DNM	100	(-)
250	4.7	DNM	DNM	(-)
500	3.9	DNM	DNM	(-)
1049	5.7	6.67	DNM	(-)
1099	5.6	6.18	100	(-)
1199	6.3	7.11	100	(-)
1240	5.6	6.74	100	(-)
1426	6.6	7.11	100	(-)

BM151

Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.2	DNM	DNM	DNM
2	6.2	DNM	DNM	(-)
250	4.6	5.48	96.67	(-)
500	4.0	5.12	DNM	(-)
1050	5.8	DNM	DNM	(-)
1124	5.7	6.4	100	(-)
1149	5.7	6.48	96.67	(-)
1193	5.9	6.83	96.67	(-)

8/7/2010

BM152					BM153				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.4	DNM	DNM	DNM	0.5	6.4	DNM	DNM	DNM
2	6.4	DNM	DNM	(-)	2	6.4	DNM	DNM	(-)
250	4.3	5.10	100	(-)	250	4.2	5.24	93.33	(-)
500	3.8	5.49	DNM	(-)	500	3.8	5.02	100	(-)
750	4.9	5.99	100	(-)	750	4.7	5.71	DNM	(-)
950	5.5	6.59	100	(-)	1049	6.0	6.7	96.67	(-)
1049	5.8	6.87	100	(-)	1149	6.3	6.94	100	(-)
1097	5.8	DNM	DNM	(-)	1248	6.3	DNM	DNM	(-)

8/10/2010

8/4/2010									
BM154					BM155				
Depth (m)	CTD	Winkler	Rotifer % survival	TPH	Depth (m)	CTD	Winkler	Rotifer % survival	TPH
0.5	6.2	DNM	DNM	DNM	0.5	6.4	DNM	DNM	DNM
2	6.2	DNM	DNM	(-)	2	6.4	DNM	DNM	(-)
500	3.9	4.16	93.33	(-)	500	3.9	3.84	93.33	(-)
1174	6.0	6.04	96.67	(-)	1174	5.9	4.74	96.67	(-)
1195	5.9	5.89	DNM	(-)	1201	5.2	4.43	DNM	(-)
1215	5.0	5.12	100	(-)	1212	5.1	4.10	100	(-)
1268	6.1	6.03	96.67	(-)	1274	6.3	6.32	96.67	(-)

								8/11/2010	

BM156					BM157				
Depth (m)	CTD	Winkler	Rotifer % survival	TPH	Depth (m)	CTD	Winkler	Rotifer % survival	TPH
0.5	6.3	DNM	DNM	DNM	0.5	6.4	DNM	DNM	DNM
2	6.3	DNM	DNM	(-)	2	6.4	DNM	DNM	(-)
500	4.0	3.72	93.33	(-)	500	4.0	3.78	DNM	(-)
1178	5.0	4.95	96.67	(-)	1159	5.9	5.82	100	(-)
1214	5.9	4.54	DNM	(-)	1194	5.3	5.33	96.67	(-)
1219	5.9	5.23	100	(-)	1219	6.0	4.88	96.67	(-)
1274	6.2	6.43	96.67	(-)	1449	6.8	6.49	100	(-)



BM158					BM159			
Depth (m)	CTD	Winkler	Rotifer % survival	TPH	Depth (m)	CTD	Winkler	Rotifer % survival
0.5	6.3	DNM	DNM	DNM	0.5	6.3	DNM	DNM
2	6.3	DNM	DNM	(-)	2	6.3	DNM	DNM
500	3.8	3.74	93.33	(-)	500	4.0	3.70	93.33
1149	5.7	5.34	100	(-)	1153	5.8	5.68	100
1199	5.8	5.72	DNM	(-)	1181	5.7	4.29	100
1249	6.1	5.56	100	(-)	1222	5.7	5.35	93.33
1684	7.0	DNM	100	(-)	1402	6.8	5.37	DNM

Brooks McCall Data Summary 8/16/2010 - 8/24/2010

8/16/2010								
BM 175					BM176			
Depth (m)	CTD	Optical	Rotifer % survival	TPH	Depth (m)	CTD	Optical	Rotifer % survival
0.5	DNM	DNM	DNM	DNM	0.5	DNM	DNM	DNM
2.39	6.86	6.87	DNM	(-)	2.42	6.52	6.62	DNM
500	3.93	4.30	DNM	(-)	500	3.87	4.32	DNM
750	4.74	5.14	DNM	(-)	750	4.76	5.13	DNM
999	5.56	5.84	DNM	(-)	1049	5.95	6.28	DNM
1055	5.63	5.79	DNM	(-)	1412	6.68	6.53	DNM

Ocean Veritas Data Summary - Cruise 5/27-6/2/10

5/27/2010								
OV001				OV002				
Depth (m)	ExtechProbe	Rotifer % survival	TPH	Depth (m)	ExtechProbe	Rotifer % survival	TPH	Depth (m)
0.5	DNM	DNM	DNM	0.5	DNM	DNM	DNM	0.5
2	4.53	DNM	(-)	2	7.01	DNM	(-)	2
400	4.02	DNM	(-)	400	4.18	DNM	(-)	50

BM160					BM161			
TPH	Depth (m)	CTD	Winkler	Rotifer % survival	TPH	Depth (m)	CTD	Winkler
DNM	0.5	6.4	DNM	DNM	DNM	0.5	6.5	DNM
(-)	2	6.4	DNM	DNM	(-)	2	6.5	DNM
(-)	500	4.0	4.59	100	(-)	500	4.0	2.86
(-)	749	4.9	4.93	96.67	(-)	749	4.9	4.34
(-)	1147	5.6	4.94	96.67	(-)	1140	5.9	4.83
(-)	1184	5.8	4.92	100	(-)	1275	6.1	4.85
(-)	1449	6.6	6.12	DNM	(-)	1449	6.8	5.38

8/18/2010								
BM177					BM 178			
TPH	Depth (m)	CTD	Optical	Rotifer % survival	TPH	Depth (m)	CTD	Optical
DNM	0.5	DNM	DNM	DNM	DNM	0.5	DNM	DNM
(-)	2.34	6.42	6.52	DNM	(-)	2	6.35	6.50
(-)	500	3.96	4.35	DNM	(-)	500	4.00	4.60
(-)	750	5.10	5.41	DNM	(-)	1149	6.49	6.71
(-)	1099	5.79	6.06	DNM	(-)	1239	6.66	6.89
(-)	1325	6.43	6.49	DNM	(-)	1905	7.05	7.30

5/28/2010								
OV003			OV004				OV005	
ExtechProbe	Rotifer % survival	TPH	Depth (m)	ExtechProbe	Rotifer % survival	TPH	Depth (m)	ExtechProbe
DNM	DNM	DNM	0.5	DNM	DNM	DNM	2	3.26
3.88	DNM	(-)	2	4.09	DNM	(-)	300	2.81
3.69	DNM	(-)	500	3.01	DNM	(-)	500	3.44

BM162								
Rotifer % survival	TPH	Depth (m)	CTD	Winkler	Rotifer % survival	TPH	Depth (m)	CTD
DNM	DNM	0.5	5.1	DNM	DNM	(-)	0.5	6.3
DNM	(-)	500	3.8	3.62	DNM	(-)	2	6.3
96.67	(-)	550	4.0	3.95	DNM	(-)	500	3.8
96.67	(-)	599	4.1	3.9	DNM	(-)	999	5.7
100	(-)	649	4.3	4.14	DNM	(-)	1099	5.9
96.67	(-)	700	4.8	4.65	DNM	(-)	1124	5.8
DNM	(-)	750	4.9	4.56	DNM	(-)	1154	5.8
		800	4.9	4.35	DNM	(-)		
		850	5.1	4.3	96.67	(-)		
		899	5.2	4.77	96.67	(-)		
		949	5.3	5.02	96.67	(-)		
		1140	5.7	DNM	100	(-)		

BM179								
Rotifer % survival	TPH	Depth (m)	CTD	Optical	Rotifer % survival	TPH	Depth (m)	CTD
DNM	(-)	0.5	DNM	DNM	DNM	DNM	0.5	DNM
DNM	(-)	2	6.41	6.57	DNM	(-)	2	6.45
DNM	(-)	500	4.04	4.61	DNM	(-)	500	3.99
100	(-)	1019	6.00	6.32	100	(-)	750	4.94
96.67	(-)	1149	6.45	6.68	100	(-)	999	5.70
100	(-)	1484	6.78	6.91	100	(-)	1094	5.91

5/29/2010								
OV009					OV010			
Rotifer % survival	TPH	Depth (m)	ExtechProbe	Rotifer % survival	TPH	Depth (m)	ExtechProbe	Rotifer % survival
DNM	(-)	0.5	DNM	DNM	DNM	2	DNM	DNM
DNM	(-)	2	4.94	DNM	(-)	500.0	3.58	DR
DNM	(-)	500	3.02	DNM	(-)	1100	4.12	DNM

BM163			BM164					
Winkler	Rotifer % survival	TPH	Depth (m)	CTD	Optical	Rotifer % survival	TPH	Depth (m)
DNM	DNM	(-)	0.5	6.3	DNM	DNM	(-)	0.5
DNM	DNM	(-)	2	6.3	6.56	96.67	(-)	2
DNM	96.67	(-)	750	4.7	5.34	100	(-)	500
DNM	100	(-)	1099	6.0	6.36	100	(-)	864
DNM	100	(-)	1137	5.8	6.2	100	(-)	
DNM	100	(-)						
DNM	DNM	(-)						

								8/21/2010
BM180			BM181					
Optical	Rotifer % survival	TPH	Depth (m)	CTD	Optical	Rotifer % survival	TPH	Depth (m)
DNM	DNM	DNM	0.5	DNM	DNM	DNM	DNM	1
6.46	DNM	(-)	2	6.42	6.46	DNM	(-)	2
4.41	DNM	(-)	251	4.44	4.71	DNM	(-)	500
5.29	100	(-)	500	3.93	4.26	DNM	(-)	999
5.95	100	(-)	750	4.79	5.08	DNM	(-)	1049
6.01	100	(-)	938	5.53	5.68	DNM	(-)	1071

OV011				OV012				
TPH	Depth (m)	ExtechProbe	Rotifer % survival	TPH	Depth (m)	ExtechProbe	Rotifer % survival	TPH
DNM	0.5	DNM	DNM	DNM	0.5	DNM	DNM	DNM
(-)	500	DNM	DNM	(-)	2	4.42	DNM	(-)
(-)	501	2.86	DNM	(-)	50	4.82	DNM	(-)

BM165				BM166				
CTD	Optical	Rotifer % survival	TPH	Depth (m)	CTD	Optical	Rotifer % survival	TPH
6.2	DNM	DNM	(-)	0.5	6.3	0.00	DNM	(-)
6.2	6.56	100.00	(-)	2	6.3	6.45	100	(-)
3.8	4.57	96.67	(-)	500	3.9	4.39	96.67	(-)
5.2	5.60	93.33	(-)	718	4.8	5.09	100	(-)

BM 182				BM183				
CTD	Optical	Rotifer % survival	TPH	Depth (m)	CTD	Optical	Rotifer % survival	TPH
DNM	DNM	DNM	DNM	1	DNM	DNM	DNM	DNM
6.50	6.60	DNM	(-)	2	6.66	6.64	DNM	(-)
3.92	4.42	DNM	(-)	500	3.89	4.43	DNM	(-)
5.47	5.70	DNM	(-)	1000	5.59	5.87	DNM	(-)
5.61	5.79	100	(-)	1049	5.79	6.06	100	(-)
5.79	5.97	DNM	(-)	1240	6.41	6.51	DNM	(-)

6/2/2010									
OV013					OV014				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	CTD	ExtechProbe	Rotifer % survival	TPH	
0.5	6.6	DNM	DNM	(a)(b)	6.6	DNM	(-)	DNM	
2	6.6	3.38	DNM	(a)(b)	6.6	4.81	DNM	ND	
50	7.4	3.44	DNM	ND	7.6	5.49	DNM	(a)(b)	

BM167					BM168				
Depth (m)	CTD	Optical	Rotifer % survival	TPH	Depth (m)	CTD	Winkler	Rotifer % survival	TPH
500	3.9	4.79	DNM	(-)	3	6.60	DNM	DNM	(-)
1079	5.9	6.13	DNM	(-)	10	6.40	DNM	DNM	DNM
					15	6.20	DNM	DNM	(-)
					20	6.50	DNM	DNM	DNM
					25	6.50	DNM	DNM	(-)
					30	6.20	DNM	DNM	DNM
					35	6.50	DNM	DNM	(-)
					40	5.90	DNM	DNM	DNM
					45	6.80	DNM	DNM	(-)
					50	6.20	DNM	DNM	DNM
					54	5.00	DNM	DNM	(-)

BM184					BM185				
Depth (m)	CTD	Optical	Rotifer % survival	TPH	Depth (m)	CTD	Optical	Rotifer % survival	TPH
1	DNM	DNM	DNM	DNM	1	DNM	DNM	DNM	DNM
2	6.99	6.87	DNM	(-)	2	7.37	7.02	DNM	(-)
500	3.92	4.33	DNM	(-)	500	3.93	4.48	DNM	(-)
1079	5.88	5.99	100	(-)	1049	5.98	6.18	DNM	(-)
1119	5.87	6.15	100	(-)	1179	6.28	6.49	DNM	(-)
1338	6.61	6.68	DNM	(-)	1478	6.67	6.73	DNM	(-)

OV015 & OV016			
CTD	ExtechProbe	otifer % surviv	TPH
6.7	DNM	DNM	(a)(b)
6.7	DNM	DNM	DNM
6.8	3.18	(-)	(b)

BM169						BM170			
Depth (m)	CTD	DO Optical	Winkler	Rotifer % survival	TPH	Depth (m)	CTD	DO Optical	Winkler
1069	6.0	6.17	6.33	DNM	DNM	2	6.3	6.41	5.30
1079	6.0	6.12	5.6	96.67	(-)	200	4.6	4.78	3.93
1089	6.0	6.08	5.82	DNM	DNM	400	4.0	4.35	4.00
1099	5.9	6.01	5.6	DNM	DNM	600	4.3	4.71	4.44
1109	5.9	6.04	5.52	DNM	DNM	799	5.3	5.54	5.15
1120	6.0	6.04	5.72	100	(-)	999	6.0	6.29	6.11
1127	6.0	6.28	6.06	DNM	DNM	1024	6.1	6.43	6.05
1139	6.1	6.47	6.04	DNM	DNM	1199	6.7	6.78	6.74
1149	6.1	6.51	5.92	DNM	DNM	1399	7.0	6.79	6.68
1199	6.5	6.64	6.15	96.67	(-)	1599	7.0	7.10	6.96
1299	6.5	6.76	6.69	100	(-)	1798	7.0	7.13	6.79

8/23/2010									
BM 186					BM187				
Depth (m)	CTD	Optical	Rotifer % survival	TPH	Depth (m)	CTD	Optical	Rotifer % survival	TPH
1	DNM	DNM	DNM	DNM	1	DNM	DNM	DNM	DNM
2	6.71	6.53	DNM	(-)	3	6.87	6.60	DNM	(-)
500	3.92	4.46	DNM	(-)	500	3.95	4.61	DNM	(-)
1049	5.95	6.23	100	(-)	1049	6.03	6.32	100	(-)
1150	6.30	6.50	100	(-)	1149	6.36	6.66	100	(-)
1641	6.85	6.93	DNM	(-)	1688	6.86	7.03	DNM	(-)

BM171									
Rotifer % survival	TPH	Depth (m)	CTD	DO Optical	Winkler	Rotifer % survival	TPH	Depth (m)	CTD
DNM	(-)	2	6.3	6.52	DNM	DNM	(-)	0.5	6.3
DNM	DNM	200	4.4	4.76	DNM	DNM	DNM	1109	5.9
DNM	DNM	400	3.9	4.31	DNM	90	(-)	1119	5.9
96.67	(-)	600	4.3	4.75	DNM	DNM	DNM	1129	5.9
DNM	DNM	800	5.4	5.61	DNM	DNM	DNM	1139	5.9
DNM	DNM	1000	6.1	6.27	DNM	90	(-)	1149	5.9
100	(-)	1200	6.7	6.52	DNM	DNM	DNM	1159	5.9
DNM	DNM	1399	7.0	7.1	DNM	100	(-)	1169	6.0
96.67	(-)	1599	7.0	7.08	DNM	DNM	DNM	1179	6.0
DNM	DNM	1689	7.0	7.17	DNM	96.67	(-)	1189	5.9
100	(-)							1199	6.3
								1343	6.6

BM188					BM189				
Depth (m)	CTD	Optical	Rotifer % survival	TPH	Depth (m)	CTD	Optical	Rotifer % survival	TPH
1	DNM	DNM	DNM	DNM	1	DNM	DNM	DNM	DNM
3	7.32	7.07	DNM	(-)	3	7.35	7.02	DNM	(-)
500	3.93	4.46	DNM	(-)	500	3.91	4.37	DNM	(-)
1089	6.11	6.30	100	(-)	750	4.70	5.25	DNM	(-)
1119	6.08	6.34	100	(-)	1149	6.08	6.33	DNM	(-)
1588	6.82	6.91	DNM	(-)	1377	6.65	6.86	DNM	(-)

BM172				BM173							
DO Optical	Winkler	Rotifer % survival	TPH	Depth (m)	CTD	DO Optical	Winkler	Rotifer % survival	TPH	Depth (m)	CTD
DNM	DNM	DNM	DNM	0.5	6.3	DNM	DNM	DNM	DNM	0.5	6.3
5.93	4.79	DNM	(-)	2	6.3	6.55	DNM	DNM	(-)	2	6.3
5.91	4.82	DNM	DNM	500	4.0	4.51	DNM	DNM	(-)	250	4.4
5.91	4.66	100	(-)	899	5.3	5.67	DNM	DNM	(-)	500	4.0
5.97	4.87	DNM	DNM	1149	5.9	6.10	DNM	DNM	(-)	749	4.9
5.98	4.46	93.34	(-)	1280	6.2	6.42	DNM	DNM	(-)	977	5.6
6.06	4.81	DNM	DNM								
6.19	5.00	100	(-)								
6.16	5.04	DNM	DNM								
6.32	5.59	DNM	DNM								
6.54	5.68	96.67	(-)								
6.78	6.11	DNM	DNM								

3/24/2010											
BM 190					BM191						
Depth (m)	CTD	Optical	Rotifer % survival	TPH	Depth (m)	CTD	Optical	Rotifer % survival	TPH	Depth (m)	CTD
1	DNM	DNM	DNM	DNM	1	DNM	DNM	DNM	DNM	1	DNM
2	6.85	6.67	DNM	(-)	2	7.01	6.80	DNM	(-)	2	6.89
500	3.85	4.35	DNM	(-)	500	3.92	4.38	DNM	(-)	500	4.00
1079	5.92	6.15	DNM	(-)	1049	5.99	6.29	DNM	(-)	1049	6.02
1153	6.00	6.21	DNM	(-)	1149	5.70	6.10	DNM	(-)	1149	6.36
1285	6.49	6.60	DNM	(-)	1488	6.78	6.90	DNM	(-)	1759	6.95

BM174			
DO Optical	Winkler	Rotifer % surv	TPH
DNM	DNM	DNM	DNM
6.45	DNM	DNM	(-)
4.76	DNM	DNM	(-)
4.27	DNM	DNM	(-)
4.96	DNM	DNM	(-)
5.73	DNM	DNM	(-)

BM192			BM193				
Optical	Rotifer % survival	TPH	Depth (m)	CTD	Optical	Rotifer % survival	TPH
DNM	DNM	DNM	1	DNM	DNM	DNM	DNM
6.73	DNM	(-)	3	6.56	6.55	DNM	(-)
4.48	DNM	(-)	500	4.00	4.39	DNM	(-)
6.28	DNM	(-)	1049	6.17	6.41	DNM	(-)
6.61	DNM	(-)	1149	6.48	6.69	DNM	(-)
7.17	DNM	(-)	1799	6.95	7.10	DNM	(-)

700	4.73	DNM	(-)	700	5.30	DNM	(-)	300
								750
								1020

Ocean Veritas Data Summary - Cruise 6/3-6/8/10

6/3/2010								
Station	OV017				OV018			
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	CTD	ExtechProbe	Rotifer % survival	TPH
Surface	6.7	DNM	DNM	DNM	6.6	DNM	DNM	DNM
2	6.7	3.18	DNM	(b)	6.6	3.14	DNM	(b)
50	6.8	3.37	DNM	(b)	7.4	3.46	DNM	(a)(b)
150	4.4	DNM	DNM	DNM	5.7	DNM	DNM	DNM
300	3.8	DNM	DNM	DNM	4.0	DNM	DNM	DNM
400	3.7	2.40	DNM	(b)	3.7	2.27	DNM	(a)(b)
500	3.9	DNM	DNM	DNM	3.8	DNM	DNM	DNM
700	4.8	DNM	DNM	DNM	4.7	DNM	DNM	DNM
1000	5.6	3.56	DNM	ND	5.7	3.23	DNM	(a)(b)
1100	6.2	DNM	DNM	DNM	6.0	DNM	DNM	DNM
1200	6.4	DNM	DNM	DNM	6.4	DNM	DNM	DNM
1300	6.7	DNM	DNM	DNM	6.7	DNM	DNM	DNM
1400	6.8	DNM	DNM	DNM	6.8	DNM	DNM	DNM
1475	6.8	4.16	DNM	(a)	6.8	4.45	DNM	(a)

Ocean Veritas Data Summary - Cruise 6/9-6/10/10

6/9/2010								
Station	OV32				OV33			
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival
0.5	DNM	DNM	DNM	DNM	0.5	DNM	DNM	DNM
2	5	4.97	DNM	(a)(b)	2	4.6	5.64	DNM
50	5.3	4.37	DNM	(a)	50	5.3	4.89	(-)
200	3	3.17	DNM	(a)	200	3.0	3.46	DNM
400	2.7	3.36	DNM	(a)	300	2.6	3.58	(-)

2.63	DNM	(-)	1100	4.62	DNM	(-)	750	3.61
3.79	DNM	(-)	1300	4.20	DNM	(-)	1100	3.99
4.49	DNM	(-)	1400	4.35	DNM	(-)		

								6/4/2010
OV019				OV020				
CTD	ExtechProbe	Rotifer % survival	TPH	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)
6.6	DNM	DNM	DNM	6.7	DNM	DNM	DNM	0.5
6.6	4.06	DNM	(a)(b)	6.7	3.20	DNM	(a)(b)	2
7.4	3.96	DNM	(a)(b)	7.5	3.77	DNM	(a)(b)	50
5.6	DNM	DNM	DNM	5.2	DNM	DNM	DNM	500
4.0	DNM	DNM	DNM	4.1	DNM	DNM	DNM	775
3.7	2.48	DNM	(a)	3.8	2.54	DNM	(a)	900
3.9	DNM	DNM	DNM	3.9	DNM	DNM	DNM	1050
4.7	DNM	DNM	DNM	4.8	DNM	DNM	DNM	1075
5.7	3.30	DNM	(a)(b)	5.6	3.60	DNM	(a)	1300
6.1	DNM	DNM	DNM	6.0	DNM	DNM	DNM	
6.3	DNM	DNM	DNM	6.4	DNM	DNM	DNM	
6.6	3.99	DNM	(a)	6.6	DNM	DNM	DNM	
6.7	DNM	DNM	DNM	6.6	DNM	DNM	DNM	
6.8	DNM	DNM	DNM	6.7	4.18	DNM	(a)	

OV34					OV35			
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
DNM	0.5	DNM	DNM	DNM	DNM	0.5	DNM	DNM
(b)	2	4.6	4.41	DNM	(a)(b)	2	4.7	4.67
ND	50	5.4	4.47	(-)	(b)	50	5.2	4.36
ND	200	3.0	3.03	(-)	ND	300	2.7	3.09
(a)	450	2.7	3.38	DNM	ND	575	2.8	2.55

DNM	(-)	750	3.54	DNM	(-)	1135	4.44	DR
DNM	(-)	1000	4.10	DNM	(-)	1155	4.40	DR
		1100	4.36	DNM	(-)			
		1300	4.81	DNM	(-)			
		1400	4.74	DNM	(-)			

OV021 (OV022)				OV023				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
DNM	DNM	(-)	(a)(b)	0.5	DNM	DNM	(-)	DNM
6.7	3.35	(-)	(a)(b)	2	6.8	3.57	(-)	(a)(b)
8.2	4.01	(-)	(b)	50	7.5	2.97	(-)	ND
3.9	2.68	(-)	(b)	500	3.9	2.88	(-)	(a)
4.8	3.04	(-)	(a)(b)	950	5.0	3.04	(-)	(a)
5.5	3.01	(-)	(a)	1100	6	3.30	(-)	(b)
4.8	2.92	(-)	(a)	1400	6.6	3.76	(-)	ND
6	3.32	(-)	(a)(b)	1490	6.6	3.07	(-)	(a)
6.8	3.95	(-)	(a)					

6/10/2010								
OV36								
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD
DNM	DNM	0.5	DNM	DNM	DNM	DNM	0.5	DNM
DNM	(a)(b)	2	4.8	3.91	DNM	(b)	2	4.6
(-)	(b)	50	5.3	4.55	97.00	(b)	50	5.4
DNM	ND	400	2.6	2.15	DNM	(a)	400	2.6
(-)	ND	760	3.4	2.65	93.00	(a)	600	3.0

(-)	1042	4.07	DR	(-)	200	3.10	DNM	(-)
(-)	1181	4.31	DR	(-)	500	2.79	DNM	(-)
	1207	5.17	DNM	(-)	700	3.29	DNM	(-)
	1285	4.69	DNM	(-)	800	5.34	DNM	(-)

OV024					OV025			
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival
0.5	DNM	DNM	(-)	DNM	0.5	DNM	DNM	(-)
2	6.8	2.54	(-)	ND	2	6.8	6.16	(-)
50	7.5	4.29	(-)	(b)	50	7.5	7.17	(-)
300	3.9	3.00	(-)	ND	300	4.0	4.58	(-)
500	3.9	3.25	(-)	(b)	500	3.8	4.64	(-)
700	4.5	2.82	(-)	(a)	625	4.2	4.98	(-)
910	5.2	2.74	(-)	(a)	870	5.2	6.12	(-)
1025	5.5	3.14	(-)	(a)(b)	1050	5.2	6.24	(-)
1500	7.0	3.03	(-)	ND	1500	7.0	6.83	(-)

OV37			OV38					
ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)
DNM	DNM	DNM	0.5	DNM	DNM	DNM	DNM	0.5
3.53	DNM	(a)(b)	2	4.7	3.77	DNM	(a)(b)	2
4.11	97.00	(a)	50	5.5	4.25	DNM	(a)	50
2.38	DNM	(a)	400	2.6	2.66	DNM	ND	300
2.83	DNM	(a)	600	2.9	3.45	DNM	(a)	500

350	3.8	2.73	DNM	ND	5.3	DNM	DNM	DNM
700	4.6	2.76	DNM	ND	3.8	3.44	DNM	(a)
1100	6.4	3.67	DNM	DNM	3.7	DNM	DNM	DNM
					3.7	DNM	DNM	DNM
					4.4	3.63	(-)	(a)
					5.8	DNM	DNM	DNM
					6.2	4.32	(-)	(a)
					6.5	DNM	DNM	DNM

6/8/2010								
OV026					OV27			
TPH	Depth (m)	CTD	ExtechProbe	rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
DNM	0.5	DNM	DNM	(-)	DNM	surface	DNM	DNM
ND	2	6.3	6.47	(-)	(a)(b)	2	4.7	4.50
ND	1576	6.5	6.78	(-)	(b)	50	5.5	4.10
ND						175	3.1	3.19
(a)(b)						200	3.5	3.29
(b)						400	2.7	2.86
(b)						600	3.0	3.35
ND						975	4.1	5.35
(a)						1083	4.4	5.21

OV39					OV40				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	
DNM	DNM	DNM	DNM	0.5	DNM	DNM	DNM	DNM	
5	5.65	DNM	(a)(b)	2	4.7	4.88	DNM	(a)(b)	
5.5	4.05	93.34	ND	50	5.4	4.06	100	(a)	
2.8	3.65	DNM	(a)	330	2.6	2.57	DNM	ND	
2.8	2.64	DNM	(a)	975	4.1	3.37	90	(a)	

5.0	DNM	DNM	DNM
3.8	DNM	DNM	DNM
3.7	2.95	DNM	(b)
3.8	DNM	DNM	DNM
4.6	3.73	(-)	(a)
5.8	DNM	DNM	DNM
6.1	4.48	(-)	ND
6.7	4.56	(-)	ND

		OV28					OV29		
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
DNM	DNM	surface	DNM	DNM	DNM	DNM	surface	DNM	DNM
DNM	(a)	2	5	4.08	DNM	(a)(b)	2	4.9	4.87
DNM	(a)	50	5.5	5.01	DNM	(a)	50	5.4	4.52
DNM	ND	150	3.5	3.71	DNM	(a)	160	3.3	3.97
DNM	ND	200	3.6	3.41	DNM	(a)	250	3.1	3.46
DNM	(a)	400	2.7	2.64	DNM	(a)	400	2.6	2.96
DNM	(a)	600	3	3.13	DNM	(a)	750	3.4	3.59
DNM	(a)	975	4.1	3.32	DNM	(a)	1335	4.7	4.79
DNM	(a)	1228	4.5	4.13	DNM	(a)			

		OV30					OV31		
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
DNM	DNM	surface	DNM	DNM	DNM	DNM	surface	DNM	DNM
DNM	(a)(b)	2	4.6	5.11	DNM	(a)(b)	2	4.8	4.33
DNM	(a)(b)	50	5.5	5.28	DNM	(a)	50	5.3	4.22
DNM	(a)	225	3.0	3.11	DNM	(a)	200	3.0	3.80
DNM	(a)(b)	400	2.7	2.53	DNM	(a)	400	2.6	2.50
DNM	(a)	520	2.8	2.78	DNM	(a)	600	2.9	2.41
DNM	(a)	860	3.4	3.36	DNM	(a)	850	3.7	3.58
DNM	(a)	960	3.5	3.83	DNM	(a)	925	3.8	3.70
		1510	4.8	3.94	DNM	(a)	1400	4.8	4.18

otifer % surviv	TPH
DNM	DNM
DNM	(a)(b)
DNM	(a)
DNM	(a)
DNM	(a)
DNM	ND
DNM	ND
DNM	(a)
DNM	(a)

825	3.5	4.64	DNM	(a)	825	3.5	3.91	DNM
925	3.7	4.79	DNM	(a)	925	3.8	5.53	(-)
1100	4.4	5.41	DNM	(a)	1100	4.3	5.16	DNM
1400	4.7	4.64	DNM	ND	1400	4.7	6.01	DNM

Ocean Veritas Data Summary - Cruise 6/14-6/22/10

6/14/2010									
OV42					OV43				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	
surface	DNM	DNM	DNM	DNM	surface	DNM	DNM	DNM	
3	4.9	5.55	DNM	(a)	3	5	3.75	DNM	
50	5.5	5.01	DNM	ND	50	5.4	4.44	DNM	
375	2.8	3.93	DNM	(a)	375	2.6	4.13	DNM	
675	3.2	3.36	DNM	(a)	725	3.3	3.44	DNM	
980	4.2	4.10	DNM	(a)	900	3.7	3.39	DNM	
1115	4.4	4.55	DNM	(a)	1150	4.4	5.09,5.18	DNM	
1200	4.7	5.25	DNM	(b)	1449	4.7	4.73	DNM	
1300	4.8	4.78	DNM	ND					

Ocean Veritas Data Summary - Cruise 6/22-6/27/10

6/22/2010									
Due to Mechanical Problems no samples collected OV059					Due to Mechanical Problems no samples collected OV060				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	

Ocean Veritas Data Summary - Cruise 7/2-7/4/10

ND	825	3.4	3.34	(-)	ND	800	3.1	4.16
ND	950	3.8	4.21	DNM	ND	1140	4.5	5.61, 4.62
ND	1200	4.5	4.31	(-)	ND	1400	4.7	4.44
(a)	1500	4.7	5.16	DNM	ND			

OV44								
OV44					OV45			
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
DNM	surface	DNM	DNM	DNM	DNM	surface	DNM	DNM
(b)	3	5	4.92	DNM	(b)	3	5	4.78
(a)(b)	50	5.5	4.37	DNM	(a)	50	5.6	5.14
(a)(b)	375	2.8	3.26	DNM	(a)	300	2.8	3.28
ND	700	3.2	3.56	DNM	(a)	500	2.7	3.16
(a)	1050	4.3	3.79	DNM	(a)	700	3.2	3.24
(a)	1100	4.3	3.35	DNM	(a)	1100	4.3	4.08
ND	1150	4.5	4.37	DNM	(a)	1130	4.1	3.78
	1500	4.8	5.49	DNM	ND	1298	4.7	4.33

Due to Mechanical Problems no samples collected								
OV061					OV062			
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
						0.5	DNM	DNM
						2	DNM	DNM
						200	3.4	4.25
						500	3.3	3.84
						975	4.9	5.38
						1150	5.6	5.94
						1240	5.8	5.58
						1310	6.1	5.83

(-)	ND	925	3.5	3.15	97.00	ND	860	3.4
(-)	(a)(b)	1130	4.5	3.57, 3.87	87.00	(a)(b)	925	3.7
(-)	ND	1521	4.7	3.95	97.00	(b)	960	3.9
							1400	4.7

6/15/2010								
OV46								
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD
DNM	DNM	surface	DNM	DNM	DNM	DNM	surface	DNM
DNM	(a)(b)	3	5	4.34	97	(b)	3	4.7
DNM	(a)	50	5.5	4.76	DNM	(b)	146	3.4
DNM	ND	200	3.2	3.31	DNM	(a)(b)	400	2.7
DNM	ND	500	2.7	2.74	90	(a)	989	4.1
DNM	ND	700	3.3	2.78	DNM	ND	1012	4.2
DNM	(a)	1120	4.1	3.59	93	(a)	1047	4.0
DNM	(a)	1170	4.3	4.04	90	(a)	1200	4.9
DNM	(a)	1437	4.8	4.33	DNM	ND		

6/26/2010								
OV063								
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD
DNM	(a)(b)	surface	DNM	DNM	DNM	(a)(b)	Surface	DNM
DNM	ND	2	6.8	DNM	DNM	(a)(b)	2	7.0
DNM	(b)	50	7.0	DNM	96.7	(a)	50	7.2
DNM	ND	600	4.2	DNM	96.7	(a)	800	5.0
DNM	ND	1125	6.3	DNM	90.0	(a)(b)	1125	6.2
DNM	ND	1150	6.4	DNM	96.7	(a)(b)	1230	6.6
DNM	(b)	1350	6.8	DNM	86.7	ND	1400	6.8
DNM	(b)							

3.8	3.43	86.67	(a)	1150	4.4	4.25, 4.14	90	(a)
3.7	3.32	96.67	ND	1190	4.5	3.73	96.67	(a)
4.5	4.06	DNM	ND	1400	4.7	4.09	93.34	(a)
4.6	4.89	90.00	ND					

OV49				OV50				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
DNM	DNM	DNM	(a)(b)	surface	DNM	DNM	DNM	(a)(b)
4.8	5.5	DNM	(b)	3	4.9	3.25	DNM	(a)(b)
2.7	3.28	DNM	ND	50	5.5	4.71	DNM	(b)
3.9	4.45	DNM	(a)(b)	230	3.2	2.57	DNM	(b)
4.7	4.77	DNM	ND	700	3.3	2.93	DNM	(b)
4.7	5.30	DNM	ND	960	4.0	3.56	DNM	(a)
				1105	4.4	3.47	DNM	ND
				1160	4.5	3.69	DNM	(a)
				1300	4.6	4.49	DNM	(a)(b)

OV066				OV067				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
DNM	DNM	DNM	(a)(b)	surface	DNM	DNM	DNM	(a)(b)
6.8	DNM	DNM	(a)(b)	2	6.8	DNM	DNM	ND
7.3	DNM	90.0	(a)	50	7.3	DNM	DNM	(a)
4.0	DNM	DNM	ND	600	4.2	DNM	DNM	ND
5.1	DNM	87.3	(a)	800	5.1	DNM	DNM	(a)
6.2	DNM	DNM	(b)	1125	6.2	DNM	DNM	ND
6.3	DNM	93.7	ND	1150	6.3	DNM	DNM	(a)
6.5	DNM	86.7	(a)(b)	1200	6.5	DNM	DNM	ND
6.7	DNM	90.0	ND	1300	6.8	DNM	DNM	ND
6.8	DNM	DNM	DNM	1400	6.9	DNM	DNM	(a)

6/16/2010

OV51

OV052

Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
surface	DNM	DNM	DNM	(a)(b)	surface	DNM	DNM	DNM	(b)
3	5.0	5.08	(-)	(a)(b)	3	4.8	5.37	(-)	ND
50	5.5	5.99	DNM	(b)	50	5.4	5.36	(-)	ND
400	2.9	3.56	(-)	(b)	350	2.7	3.69	DNM	ND
800	3.6	4.43	(-)	ND	700	3.5	4.08	DNM	(a)
880	3.8	4.46	DNM	ND	850	3.7	4.15	(-)	ND
1080	4.5	4.52	(-)	(a)	1080	4.5	4.88	DNM	ND
1170	4.6	5.55	DNM	ND	1140	3.8	4.68	(-)	ND
1300	4.7	5.37	DNM	ND	1200	4.7	5.54	DNM	(a)

6/27/2010

OV068

OV069

Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.7	DNM	DNM	(b)	3	6.8	DNM	DNM	(a)(b)
3	6.7	5.73	DNM	(b)	50	7.8	5.75	DNM	ND
50	7.6	6.69	(-)	ND	300	4.2	4.27	DNM	(a)
300	4.1	4.30	DNM	ND	500	4.0	4.17	DNM	(a)(b)
600	4.2	4.37	(-)	ND	800	5.0	4.95	DNM	(a)(b)
800	5.0	5.00	DNM	ND	1100	6.2	6.03	DNM	(a)(b)
1000	5.8	5.50	DNM	ND	1200	6.5	6.06	DNM	ND
1190	6.6	6.12	(-)	ND	1350	6.8	6.30	DNM	ND
1400	6.8	6.47	(-)	ND					

OV053					OV054				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
surface	DNM	DNM	DNM	(a)(b)	surface	DNM	DNM	DNM	(a)(b)
3	4.9	4.76	DNM	(b)	3	5	5	DNM	(b)
50	5.4	5.63	DNM	ND	50	5.5	5.5	DNM	(a)
200	3.4	3.86	DNM	ND	240	3.4	3.4	DNM	(a)
550	2.9	4.08	DNM	ND	475	2.3	2.3	DNM	(a)
950	3.8	4.6	DNM	ND	700	3.1	3.10	DNM	(a)
1100	4.3	5.05	DNM	ND	900	3.8	3.80	DNM	(a)
1140	3.5	4.75	DNM	ND	1075	4.2	4.20	DNM	ND
1200	4.5	5.09	DNM	ND	1200	4.3	4.30	DNM	(a)(b)

OV070 (Duplicate Sample of OV069)					OV071				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.7	DNM	DNM	DNM	0.5	6.4	DNM	DNM	(a)(b)
3	6.7	5.64	DNM	DNM	3	6.4	5.64	DNM	ND
50	6.7	6.27	DNM	DNM	50	7.2	6.27	DNM	ND
200	4.7	4.87	DNM	DNM	200	4.8	4.87	DNM	ND
400	4.0	3.98	DNM	DNM	400	3.9	3.98	DNM	ND
700	4.6	4.53	DNM	DNM	700	4.3	4.53	DNM	ND
960	5.7	5.08	DNM	DNM	960	5.4	5.08	DNM	ND
1210	6.4	6.19	DNM	DNM	1210	6.2	6.19	DNM	ND
1400	6.8	6.52	DNM	DNM	1400	6.6	6.52	DNM	ND

OV055					6/22/2010 Due to Mechanical Problems no samples collected OV056				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
surface	DNM	DNM	DNM	(a)(b)					
3	4.7	4.85	DNM	(b)					
50	5.6	5.53	DNM	(a)					
200	3.2	3.55	DNM	ND					
400	2.7	3.4	DNM	(a)					
930	3.9	4.48	DNM	(a)					
1050	4.1	4.3	DNM	(a)					
1100	4.2	4.54	DNM	(a)					
1160	4.5	5.33	DNM	ND					

OV072					OV073				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.5	DNM	DNM	(b)	3	6.7	5.73	DNM	(b)
3	6.5	5.71	DNM	ND	50	7.6	6.40	(-)	ND
50	7.3	6.45	(-)	(b)	200	5.2	4.82	DNM	ND
200	4.8	4.75	(-)	ND	475	3.8	3.86	(-)	ND
450	3.9	4.22	(-)	(a)	700	4.7	4.74	(-)	ND
700	4.6	4.69	(-)	(b)	900	5.4	5.19	DNM	ND
970	5.0	5	(-)	ND	1190	6.3	6.15	(-)	ND
1200	6.3	6.16	(-)	ND	1400	6.8	6.45	(-)	ND
1400	6.8	6.51	DNM	(b)					

Due to Mechanical Problems no samples collected OV057					Due to Mechanical Problems no samples collected OV058				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH

OV074					OV075				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	DNM	DNM	DNM	(b)	0.5		DNM	DNM	(b)
3	6.6	5.66	DNM	ND	3	6.6	DNM	DNM	DNM
50	7.6	6.47	DNM	ND	50	7.5	DNM	DNM	DNM
250	4.6	4.36	DNM	ND	250	4.6	DNM	DNM	DNM
450	3.9	3.94	DNM	(a)	450	4.0	DNM	DNM	DNM
800	5.0	4.83	DNM	ND	800	5.1	DNM	DNM	DNM
1000	5.8	5.57	DNM	ND	1000	5.7	DNM	DNM	DNM
1200	6.4	6.06	DNM	ND	1200	6.5	DNM	DNM	DNM
1400	6.8	6.21	DNM	ND	1400	6.8	DNM	DNM	DNM

7/2/2010								
OV076					OV077			
	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival
0.5	(-)	DNM	(-)	DNM	0.5	(-)	DNM	(-)
3	(-)	5.50	(-)	(a)(b)	3	(-)	5.70	(-)
50	(-)	6.00	(-)	(a)(b)	50	(-)	5.20	(-)
200	(-)	5.1	(-)	ND	250	(-)	DNM	(-)
400	(-)	4.4	(-)	ND	450	(-)	5.4	(-)
800	(-)	5.4	(-)	(b)	800	(-)	5.2	(-)
1000	(-)	5.4	(-)	ND	1000	(-)	4.8	(-)
1200	(-)	5.7	(-)	ND	1150	(-)	4.2	(-)
1400	(-)	5.8	(-)	(a)	1200	(-)	5.8	(-)
					1400	(-)	5.6	(-)

Ocean Veritas Data Summary - Cruise 7/8-7/10/10

7/8/2010								
OV091					OV092			
	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival
0.5	6.7	5.5	DNM	(-)	0.5	6.7	5.8	DNM
3	6.7	5.8	100	(-)	3	6.7	5.8	96.7
50	7.2	6.2	92.8	(-)	50	7.2	6.3	93.3
200	5.8	4.7	93.3	(-)	500	3.8	4.4	DNM
500	3.8	3.8	DNM	(-)	735	4.5	4.7	96.7
685	4.6	4.2	DNM	(-)	1025	5.7	5.8	93.3
850	5.2	5.0	DNM	(-)	1045	5.8	5.8	DNM
1200	6.3	6.0	93.3	(-)	1200	6.2	6.2	93.4
1400	6.7	6.2	DNM	(-)	1400	6.7	6.3	DNM

Ocean Veritas Data Summary - Cruise 7/14/10 - 7/16/10

7/14/2010								
OV106					OV107			
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival
50	7.5	(-)	DNM	(-)	50	7.5	(-)	DNM
420	4.0	(-)	DNM	(-)	250	4.5	(-)	DNM
505	3.9	(-)	96.70	(-)	420	4.0	(-)	93.33
1150	6.0	(-)	DNM	(-)	1175	6.0	(-)	96.67

OV078					OV079			
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
DNM	0.5	(-)	5.5	DNM	DNM	0.5	(-)	DNM
(a)(b)	3	(-)	5.60	DNM	(b)	3	(-)	5.60
(a)	50	(-)	5.80	DNM	(b)	50	(-)	6.00
ND	250	DNM	DNM	DNM	ND	250	(-)	DNM
ND	450	(-)	4.2	DNM	ND	400	(-)	6.3
ND	755	(-)	5	DNM	ND	800	(-)	5.6
ND	900	(-)	5	DNM	(b)	1090	(-)	5.4
(a)(b)	1160	(-)	5.5	DNM	(b)	1160	(-)	5.4
(a)(b)	1215	(-)	5.4	DNM	(a)(b)	1190	(-)	5.2
ND	1400	(-)	5.7	DNM	ND	1400	(-)	5.7

OV093					OV094			
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
(-)	3	6.7	5.7	DNM	(-)	3	5.9	5.8
(-)	50	7.1	6.2	DNM	(-)	50	7.0	6.4
(-)	375	4.0	6.2	DNM	(-)	200	5.0	4.7
(-)	500	3.8	4.4	DNM	(-)	500	3.9	4.4
(-)	1000	5.6	5.5	DNM	(-)	800	4.8	5.0
(-)	1060	5.6	5.9	DNM	(-)	1170	6.2	6.2
(-)	1200	6.2	6.2	DNM	(-)	1300	6.3	6.4
(-)	1475	6.8	6.7	DNM	(-)	1535	6.9	6.5
(-)								

OV108					OV109			
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
(-)	50	7.5	(-)	DNM	(-)	50	7.4	(-)
(-)	150	5.2	(-)	DNM	(-)	500	3.9	(-)
(-)	250	4.6	(-)	DNM	(-)	1150	6.0	(-)
(-)	450	3.9	(-)	DNM	(-)	1195	6.1	(-)

OV080								
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD
DNM	DNM	0.5	(-)	DNM	DNM	DNM	0.5	DNM
DNM	(b)	3	(-)	5.00	DNM	(b)	3	DNM
DNM	(a)(b)	50	(-)	5.90	DNM	(b)	50	DNM
DNM	ND	250	(-)	DNM	DNM	ND	250	DNM
DNM	ND	400	(-)	4.2	DNM	ND	400	DNM
DNM	(b)	700	(-)	4.8	DNM	ND	800	DNM
DNM	(a)	1000	(-)	5.3	DNM	ND	1000	DNM
DNM	(a)	1205	(-)	5.5	DNM	(a)	1200	DNM
DNM	(a)(b)	1265	(-)	5.7	DNM	ND	1250	DNM
DNM	(b)	1400	(-)	5.8	DNM	(b)	1300	DNM

OV095								7/9/2010
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	CTD	
90.0	(-)	0.5	6.6	5.9	DNM	(-)	0.5	6.7
DNM	(-)	3	6.6	5.9	90.0	(-)	3	6.7
90.0	(-)	50	7.1	6.5	90.0	(-)	50	7.5
DNM	(-)	400	4.0	4.9	DNM	(-)	375	4.2
DNM	(-)	520	3.9	4.2	93.3	(-)	450	3.8
90.0	(-)	560	4.0	4.2	91.8	(-)	800	4.8
86.7	(-)	800	4.9	5.1	DNM	(-)	1000	5.8
DNM	(-)	1150	6.0	6.0	96.6	(-)	1200	6.4
		1556	6.9	6.6	DNM	(-)	1595	6.8

OV110								7/15/2010
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD
DNM	(-)	0.5	6.8	(-)	DNM	(-)	3	6.9
DNM	(-)	50	7.5	(-)	96.67	(-)	50	7.5
DNM	(-)	500	3.9	(-)	96.67	(-)	450	4.0
DNM	(-)	850	5.3	(-)	DNM	(-)	1015	5.9

7/3/2010								
OV081			OV082					
ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)
DNM	DNM	(a)(b)	0.5	6.6	5.5	DNM	DNM	0.5
5.70	DNM	(a)	3	6.6	5.60	DNM	(a)(b)	3
5.20	DNM	(a)	50	7.2	6.10	DNM	(a)(b)	50
DNM	DNM	DNM	200	4.8	DNM	DNM	ND	250
5.4	DNM	ND	400	3.8	4.1	DNM	ND	400
5.2	DNM	(a)	800	5	5	DNM	(b)	800
4.8	DNM	ND	1100	6.9	5.4	DNM	(a)(b)	1100
4.2	DNM	ND	1190	6.8	5.1	DNM	(a)(b)	1180
5.8	DNM	(a)	1225	7.1	5.6	DNM	(b)	1205
5.6	DNM	ND	1300	6.6	5.4	DNM	(a)	1300

OV096			OV097					
ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)
5.9	DNM	DNM	0.5	6.8	5.9	(-)	DNM	0.5
5.8	DNM	(-)	3	6.8	5.8	(-)	(-)	3
6.6	DNM	(-)	50	7.5	6.4	(-)	(-)	50
4.2	DNM	(-)	450	3.9	4.8	(-)	(-)	450
3.9	DNM	(-)	1100	6.0	5.9	(-)	(-)	1100
4.9	DNM	(-)	1175	6.2	6.3	(-)	(-)	1175
5.6	DNM	(-)	1190	6.3	6.1	(-)	(-)	1200
6.3	DNM	(-)	1210	6.3	6.2	(-)	(-)	1250
6.6	DNM	(-)	1545	6.8	6.8	(-)	(-)	

OV111			OV112					
ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)
7.1	DNM	(-)	0.5	6.6	DNM	DNM	DNM	0.5
7.3	(-)	(-)	3	6.6	DNM	DNM	DNM	3
4.3	(-)	(-)	50	7.4	DNM	DNM	DNM	50
6.1	DNM	(-)	450	3.9	DNM	DNM	DNM	450

OV083				OV084				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
6.6	5.6	DNM	DNM	0.5	6.6	5.5	DNM	DNM
6.6	6.10	DNM	(a)(b)	3	6.6	5.70	DNM	(a)(b)
7.2	4.10	(-)	ND	50	7.2	6.00	(-)	(a)(b)
4.7	DNM	DNM	ND	250	4.6	DNM	DNM	ND
3.9	4.9	(-)	(a)	400	3.9	4	(-)	(a)
5	5.2	DNM	(a)	700	4.8	4.5	DNM	(a)
5.9	5.3	DNM	(a)	900	4.2	5	DNM	(a)
5.8	5.1	(-)	(a)(b)	1145	6	5.6	(-)	(a)
6.2	5.6	(-)	(a)	1170	6.1	5.3	(-)	(a)
6.6	5.8	(-)	(a)	1275	6.7	5.8	(-)	(a)

OV098				OV099				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
6.5	6.0	(-)	DNM	0.5	6.5	6.0	(-)	DNM
6.6	6.0	(-)	(-)	3	6.5	5.7	(-)	(-)
7.5	6.9	(-)	(-)	50	7.5	6.6	(-)	DNM
3.8	4.1	(-)	(-)	500	3.8	4.0	(-)	(-)
6.0	6.0	(-)	(-)	1195	6.2	6.0	(-)	(-)
6.2	6.2	(-)	(-)	1200	6.3	6.1	(-)	(-)
6.1	6.1	(-)	(-)	1225	6.3	6.1	(-)	(-)
6.3	6.3	(-)	(-)	1240	6.4	6.2	(-)	(-)
				1328	6.5	6.3	(-)	(-)

OV113				OV114				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
6.6	7.2	DNM	(-)	0.5	6.8	6.4	DNM	(-)
6.6	7.1	DNM	(-)	3	6.8	6	DNM	(-)
7.5	6.7	(-)	(-)	50	7.8	6.6	(-)	(-)
3.9	4.1	DNM	(-)	450	4.0	3.9	DNM	(-)

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OV085					OV086				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.6	5.4	DNM	DNM	0.5	6.7	5.5	DNM	(-)
3	DNM	5.5	DNM	DNM	3	DNM	5.6	DNM	(-)
50	7.2	5.6	(-)	DNM	50	7.2	5.6	DNM	(-)
400	3.9	4.2	(-)	DNM	400	3.9	3.9	DNM	(-)
700	4.8	5.0	(-)	DNM	700	4.7	4.4	DNM	(-)
900	5.2	5.2	DNM	(a)(b)	900	5.3	4.9	DNM	(-)
1130	5.8	5.2	(-)	(a)(b)	1130	6.1	5.3	DNM	(-)
1170	6.2	5.3	DNM	(a)	1150	6.2	5.2	DNM	(-)
1275	6.6	5.5	(-)	ND	1225	6.3	5.4	DNM	(-)

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OV100					OV101				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.5	6.6	(-)	DNM	0.5	6.5	6.2	DNM	DNM
3	6.5	6.6	(-)	(-)	3	6.5	6.7	DNM	(-)
50	7.4	6.7	(-)	(-)	50	7.5	6.0	DNM	(-)
450	3.8	4.1	(-)	(-)	200	5.2	6.7	DNM	(-)
600	4.2	4.8	(-)	(-)	600	4.0	5.1	(-)	(-)
1125	5.9	6.0	(-)	(-)	1400	6.2	6.5	(-)	(-)
1150	6.0	6.3	(-)	(-)	1425	6.3	6.5	(-)	(-)
1300	6.2	6.6	(-)	(-)	1504	6.4	6.7	(-)	(-)
1530	6.6	6.7	(-)	(-)					

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OV115					OV117				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
50	7.5	6.7	DNM	(-)	0.5	6.5	7	DNM	DNM
510	4.0	4.1	DNM	(-)	3	6.5	6.5	DNM	(-)
900	5.5	5.5	DNM	(-)	50	7.8	6.7	(-)	(-)
1135	6.0	5.8	DNM	(-)	500	5.8	3.9	DNM	(-)

OV087					OV088				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.5	5.5	DNM	DNM	0.5	6.5	5.5	DNM	DNM
3	DNM	5.6	DNM	(-)	3	DNM	5.6	DNM	(-)
50	7.3	5.4	DNM	(-)	50	7.2	5.7	(-)	(-)
400	3.9	4.2	(-)	(-)	400	3.9	4.1	(-)	(-)
900	5.1	4.9	DNM	(-)	800	4.8	4.6	DNM	(-)
1100	5.8	5.5	DNM	(-)	1100	5.8	5.2	DNM	(-)
1180	5.2	5.4	(-)	(-)	1175	5.0	4.9	(-)	(-)
1235	6.2	5.7	(-)	(-)	1200	5.5	5.2	(-)	(-)
1300	6.5	5.6	(-)	(-)	1300	6.5	5.7	(-)	(-)

OV102					OV103				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.5	6.2	DNM	DNM	0.5	6.5	6.2	DNM	DNM
3	6.5	6.0	DNM	(-)	3	6.5	5.7	DNM	(-)
50	7.3	6.7	DNM	(-)	50	7.5	6.5	DNM	(-)
450	4.0	5.0	(-)	(-)	450	3.8	5.1	(-)	(-)
1175	6.0	6.1	(-)	(-)	800	4.8	5.5	DNM	(-)
1210	6.2	6.0	(-)	(-)	1300	6.2	6.2	(-)	(-)
1200	6.2	6.4	(-)	(-)	1310	5.8	6.2	(-)	(-)
1225	6.2	6.1	DNM	(-)	1325	6.3	6.4	(-)	(-)
1555	6.6	6.5	(-)	(-)	1364	6.3	6.6	DNM	(-)

OV118					OV119				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
3	6.8	8.1	DNM	(-)	3	6.5	6.3	DNM	(-)
50	7.8	6.7	DNM	(-)	50	7.8	6.0	(-)	(-)
475	3.9	3.9	DNM	(-)	500	4.0	5.4	(-)	(-)
1115	6.0	5.9	DNM	(-)	875	5.0	5.9	DNM	(-)

OV089					OV090				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	5.7	5.5	DNM	(-)	0.5	6.3	5.5	DNM	(-)
3	DNM	5.6	DNM	(-)	3	DNM	5.6	DNM	(-)
50	7.2	5.4	(-)	(-)	50	7.2	5.7	DNM	(-)
400	3.9	4.3	(-)	(-)	400	3.9	4.1	DNM	(-)
700	4.5	4.9	DNM	(-)	700	4.7	5.0	DNM	(-)
900	5.1	5.2	(-)	(-)	900	5.0	4.8	DNM	(-)
1185	6.1	5.4	(-)	(-)	1100	5.9	5.3	DNM	(-)
1300	6.5	5.6	(-)	(-)	1200	6.2	5.4	DNM	(-)
1400	6.7	5.6	DNM	(-)	1300	6.5	5.5	DNM	(-)

OV104					OV105				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	6.5	6.1	DNM	DNM	0.5	6.5	6.2	DNM	(-)
3	6.5	6.1	DNM	(-)	3	6.5	6.0	DNM	(-)
50	7.5	6.7	DNM	(-)	50	7.2	6.6	DNM	(-)
500	3.5	4.8	DNM	(-)	450	3.9	5.4	DNM	(-)
800	4.7	5.2	DNM	(-)	800	4.9	5.7	DNM	(-)
1190	6.0	6.2	DNM	(-)	1100	5.9	6.4	DNM	(-)
1200	6.0	6.1	DNM	(-)	1200	6.0	6.3	DNM	(-)
1225	6.1	6.5	DNM	(-)	1379	6.2	6.6	DNM	(-)
1369	6.5	6.5	DNM	(-)					

OV120				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
3	6.8	6.5	DNM	(-)
50	7.2	6.7	(-)	(-)
1040	5.9	5.6	DNM	(-)
1125	5.9	6	(-)	(-)

1165	6.0	(-)	93.33	(-)	1200	6.1	(-)	93.33
1210	6.2	(-)	93.33	(-)	1545	7.0	(-)	DNM
1531	6.9	(-)	100.00	(-)				

Ocean Veritas Data Summary - Cruise 7/20/10 - 7/22/10

7/20/2010									
OV123					OV124				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	
0.5	6.7	6.3	DNM	DNM	0.5	6.5	6.33	DNM	
3	6.7	6.4	DNM	(-)	3	6.5	7.63	DNM	
50	7.4	7.2	(-)	(-)	50	7.3	8.68	(-)	
400	4.0	4.1	DNM	(-)	500	4.0	4.37	DNM	
700	4.5	4.5	DNM	(-)	860	5.3	6.35	DNM	
960	5.6	5.4	(-)	(-)	940	5.7	6.84	(-)	
1120	5.8	5.5	(-)	(-)	1230	5.9	6.84	(-)	
1210	5.8	5.4	(-)	(-)	1310	5.6	6.26	(-)	
1484	6.8	6.4	DNM	(-)	1740	7.0	8.0	DNM	

Ocean Veritas Data Summary - Cruise 7/27/10 - 8/1/10

7/27/2010									
OV138					OV139				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	
3	6.40	5.3	(-)	(-)	3	6.30	5.5	DNM	
50	7.40	7	(-)	(-)	50	7.20	6.8	97	
400	4.00	4.1	(-)	(-)	450	4.00	4.1	DNM	
750	4.80	4	(-)	(-)	975	5.50	6.0	90	
1000	5.70	6.1	(-)	(-)	1050	5.80	6.2	90	
1164	5.20	5.2	(-)	(-)	1270	5.40	6.0	90	
1300	6.60	6.8	(-)	(-)	1350	6.30	6.9	83	
1500	6.90	8	(-)	(-)	1450	6.80	7.8	97	

Ocean Veritas Data Summary - Cruise 8/2/10 - 8/9/10

(-)	810	5.1	(-)	DNM	(-)	1205	6.1	(-)
(-)	1190	6.1	(-)	DNM	(-)	1575	7.0	(-)
	1560	6.9	(-)	DNM	(-)			

OV125									OV126		
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe			
DNM	3	6.9	7.83	(-)	(-)	3	6.8	7.79			
(-)	50	7.6	8.96	DNM	(-)	50	7.5	8.90			
(-)	400	4.0	4.76	(-)	(-)	600	4.0	4.73			
(-)	700	4.4	5.26	DNM	(-)	800	5.0	5.82			
(-)	1075	5.8	6.77	(-)	(-)	1000	5.8	6.87			
(-)	1140	5.6	6.63	(-)	(-)	1125	5.5	6.63			
(-)	1200	5.8	6.94	(-)	(-)	1210	5.7	6.67			
(-)	1400	6.8	7.78	DNM	(-)	1400	6.8	7.98			
(-)											

OV140					OV141			
TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe
(-)	3	6.40	5.3	DNM	(-)	3	6.50	5.1
(-)	50	7.40	6.2	100	(-)	50	7.30	6.0
(-)	400	4.00	3.6	DNM	(-)	450	3.70	DNM
(-)	750	4.70	3.4	DNM	(-)	700	4.40	3.8
(-)	1000	5.60	DNM	100	DNM	900	5.20	5.1
(-)	1190	5.40	3.8	90	(-)	1000	5.70	5.5
(-)	1300	6.60	3.7	90	(-)	1140	5.10	4.9
(-)	1470	6.80	6.5	DNM	(-)	1250	6.20	5.1

DNM	(-)	1100	5.9	(-)	DNM	(-)	1025	5.9
DNM	(-)	1150	5.9	(-)	93.33	(-)	1210	6.1
		1200	6.2	(-)	96.67	(-)	1245	6.2
		1450	6.6	(-)	96.67	(-)	1407	7.0

7/21/2010								
OV127								
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD
(-)	(-)	3	6.8	7.77	DNM	(-)	0.5	6.7
(-)	(-)	50	7.2	8.8	DNM	(-)	3	6.7
DNM	(-)	200	5.3	6.26	DNM	(-)	50	7.1
DNM	(-)	500	3.9	4.71	DNM	(-)	500	3.9
(-)	(-)	775	3.7	5.69	DNM	(-)	750	4.6
(-)	(-)	1170	5.3	7.14	DNM	(-)	1050	5.8
(-)	(-)	1300	6.7	7.84	DNM	(-)	1160	5.1
DNM	(-)	1550	7.1	8.24	DNM	(-)	1500	6.9

7/28/2010								
OV142								
Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD
DNM	(-)	3	6.60	5.6	100	(-)	3	6.48
100	(-)	50	7.30	5.9	DNM	(-)	50	7.42
DNM	DNM	400	3.80	3.5	DNM	(-)	400	3.80
97	(-)	700	4.50	4.9	93	(-)	750	4.62
DNM	(-)	800	5.10	5.1	DNM	(-)	1000	5.83
97	(-)	900	5.40	5.6	87	(-)	1080	5.99
87	(-)	1000	5.60	6.0	DNM	(-)	1130	5.58
97	(-)	1087	5.80	DNM	87	(-)	1200	6.24

DNM	DNM	(-)	1150	5.9	DNM	DNM	DNM	720
6.4	(-)	(-)	1200	6.0	DNM	DNM	DNM	1210
6.5	DNM	(-)	1205	6.0	DNM	DNM	DNM	1225
7	(-)	(-)	1215	6.0	DNM	DNM	DNM	1255
			1497	6.9	DNM	DNM	DNM	1517

OV128			OV129					
ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)
DNM	DNM	(-)	3	5.2	8.20	(-)	(-)	3
6.4	DNM	(-)	50	7.1	8.10	DNM	(-)	50
7.5	(-)	(-)	500	3.9	7.60	(-)	(-)	500
4.4	DNM	(-)	750	4.7	5.70	DNM	(-)	750
5.4	DNM	(-)	1000	5.9	4.70	(-)	(-)	1000
6.4	(-)	(-)	1400	6.8	9.00	(-)	(-)	1100
5.7	(-)	(-)	1600	6.9	7.80	DNM	(-)	1200
7.5	(-)	(-)						1400

OV143			OV144					
ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)
4.9	DNM	(-)	3	6.48	5.5	DNM	(-)	3
5.7	(-)	(-)	50	7.43	5.8	(-)	(-)	50
3.5	(-)	(-)	450	3.74	3.5	(-)	(-)	400
4.4	DNM	(-)	750	4.69	5.5	DNM	(-)	750
5.7	DNM	(-)	900	5.38	5.2	DNM	(-)	900
5.9	(-)	(-)	1140	5.94	6.0	DNM	(-)	1000
5.3	(-)	(-)	1190	4.02	4.0	(-)	(-)	1100
6.4	(-)	(-)	1300	6.59	7.4	(-)	(-)	1200

4.7	5.5	DNM	(-)	1200	6.0	6	DNM	(-)
6.0	6.1	(-)	(-)	1220	6.0	5.7	(-)	(-)
6.0	6.1	(-)	(-)	1275	6.0	6	(-)	(-)
6.0	6.0	(-)	(-)	1530	7.0	6.8	(-)	(-)
7.0	6.0	DNM	(-)					

OV130				OV131				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
6.2	7.7	DNM	(-)	3	6.2	8.50	DNM	(-)
7.2	9.1	DNM	(-)	50	7.2	7.90	(-)	(-)
4.0	4.9	(-)	(-)	500	3.9	4.80	DNM	(-)
4.7	5.6	DNM	(-)	700	4.2	5.30	DNM	(-)
6.0	7.3	DNM	(-)	900	5.9	7.00	(-)	(-)
6.0	7.5	(-)	(-)	1040	5.2	6.50	(-)	(-)
6.3	7.8	(-)	(-)	1200	6.6	7.80	(-)	(-)
6.6	8.2	DNM	(-)	1400	6.9	8.1	DNM	(-)

OV145				OV146				
CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
6.52	4.9	DNM	(-)	3	6.45	5.3	(-)	(-)
7.27	6.0	(-)	(-)	50	7.35	6.2	(-)	(-)
3.76	3.4	DNM	(-)	400	3.82	3.7	DNM	(-)
4.78	4.4	DNM	(-)	750	4.78	4.7	DNM	(-)
5.34	5.3	DNM	(-)	1000	5.53	5.4	DNM	(-)
5.63	5.7	(-)	(-)	1100	5.80	5.8	(-)	(-)
5.80	5.9	(-)	(-)	1200	6.32	6.6	(-)	(-)
6.38	6.8	(-)	(-)	1400	6.61	6.6	(-)	(-)

1175	6.2	6.2	DNM	(-)	1005	5.5	5.5	DNM	(-)
1200	6.5	6.5	DNM	(-)	1100	5.8	5.7	DNM	(-)
1471	6.8	6.8	DNM	(-)	1115	5.6	5.5	(-)	(-)
					1150	6.2	5.8	(-)	(-)
					1488	6.8	6.6	(-)	(-)

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OV133					OV134				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
0.5	5.8	DNM	DNM	(-)	3	6.2	6.0	DNM	(-)
3	5.8	6.5	DNM	(-)	50	7.3	7.4	(-)	(-)
50	7.4	7.4	(-)	(-)	370	4.0	4.3	DNM	(-)
400	3.8	4.2	DNM	(-)	660	4.2	4.5	DNM	(-)
700	4.3	4.6	(-)	(-)	850	5.2	5.5	(-)	(-)
1140	5.8	5.7	(-)	(-)	1100	5.0	5.5	(-)	(-)
1250	6.2	6.5	DNM	(-)	1275	6.5	6.9	(-)	(-)
1320	6.8	6.9	DNM	(-)	1500	7.0	7.3	(-)	(-)
1500	7.0	7.4	(-)	(-)					

OV147					OV148				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
3	6.12	5.3	DNM	(-)	3	6.02	4.6	DNM	(-)
50	7.32	7.2	DNM	(-)	50	7.31	6.0	(-)	(-)
500	3.86	4.0	DNM	(-)	450	4.10	4.1	DNM	(-)
750	4.75	5.0	DNM	(-)	750	4.80	4.6	DNM	(-)
1210	5.43	5.7	DNM	(-)	1195	5.33	5.4	(-)	(-)
1290	5.66	5.9	(-)	(-)	1270	5.61	5.8	(-)	(-)
1350	6.55	6.8	DNM	(-)	1400	6.70	6.8	DNM	(-)
1500	6.83	7.4	DNM	(-)	1550	6.96	6.9	DNM	(-)

1190	5.9	5.9	DNM	(-)	1090	5.8	4.9	DNM	(-)
1250	6.2	DNM	DNM	DNM	1119	5.8	4.0	(-)	(-)
1559	6.8	7.7	DNM	(-)	1175	6.1	6.7	DNM	(-)
1565	6.9	6.7	DNM	(-)	1323	6.5	4.1	(-)	(-)

OV135					OV136				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH	Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
3	6.5	6.0	DNM	(-)	3	6.2	6.0	DNM	(-)
50	7.5	7.0	(-)	(-)	50	7.5	7.0	(-)	(-)
500	3.9	4.0	DNM	(-)	500	3.9	3.9	DNM	(-)
850	5.1	5.8	DNM	(-)	1000	5.5	5.8	DNM	(-)
1100	6.3	5.5	(-)	(-)	1120	5.4	5.5	(-)	(-)
1170	6.0	5.3	(-)	(-)	1210	5.4	5.3	(-)	(-)
1300	6.6	6.5	(-)	(-)	1291	6.0	6.5	(-)	(-)
1500	7.0	7.1	DNM	(-)	1600	6.9	7.1	DNM	(-)

8/1/2010									
OV149					OV150				
Depth (m)	CTD	Winkler	Rotifer % survival	TPH	Depth (m)	CTD	Winkler	Rotifer % survival	TPH
0.5	6.3	DNM	DNM	DNM	0.5	6.3	DNM	DNM	DNM
3	6.3	DNM	DNM	(-)	3	6.3	5.32	100	(-)
50	7.3	7.2	100	(-)	50	7.2	7.03	100	(-)
150	5.0	DNM	DNM	(-)	128	5.2	4.88	93.33	(-)
400	3.9	3.88	96.67	(-)	233	4.0	3.12	93.33	(-)
600	4.2	DNM	DNM	(-)	300	4.2	4.13	96.67	(-)
800	4.9	DNM	90	(-)	500	4.0	3.93	100	(-)
1010	5.9	5.97	90	(-)	650	4.3	4.35	100	(-)
1149	5.7	5.71	96.67	(-)	750	4.9	4.90	100	(-)

1140	5.8	5.1	(-)	(-)
1250	6.2	6.1	(-)	(-)
1448	6.9	6.4	DNM	(-)

OV137				
Depth (m)	CTD	ExtechProbe	Rotifer % survival	TPH
5	6.0	6.3	DNM	(-)
50	7.4	7.4	(-)	(-)
500	3.9	4.1	DNM	(-)
900	5.1	5.7	DNM	(-)
1150	5.6	6.2	(-)	(-)
1200	5.2	5.9	(-)	(-)
1400	6.9	6.5	(-)	(-)
1600	6.9	7.6	DNM	(-)

OV151					OV152				
Depth (m)	CTD	Winkler	Rotifer % survival	TPH	Depth (m)	CTD	Winkler	Rotifer % survival	TPH
0.5	6.3	DNM	DNM	DNM	0.5	6.4	DNM	DNM	DNM
3	6.3	6.35	100	(-)	3	6.4	DNM	DNM	(-)
50	7.3	7.17	96.67	(-)	50	7.2	DNM	100	(-)
150	5.0	4.83	86.67	(-)	400	4.0	DNM	90	(-)
300	4.2	4.21	93.33	(-)	1165	6.1	DNM	96.67	(-)
351	4.0	3.38	93.33	(-)	1192	6.2	DNM	93.33	(-)
600	4.2	4.22	100	(-)	1250	6.6	DNM	90	(-)
1020	5.7	5.63	90	(-)	1300	6.6	DNM	DNM	(-)
1060	5.8	5.73	90	(-)	1350	6.5	DNM	DNM	(-)

8/2/2010									
OV153					OV154				
Depth (m)	CTD	Winkler	Rotifer % survival	TPH	Depth (m)	CTD	Winkler	Rotifer % survival	
0.5	6.6	DNM	DNM	DNM	0.5	6.5	DNM	DNM	
3	6.6	6.35	DNM	(-)	3	6.5	6.32	100	
50	6.9	6.87	93.33	(-)	50	7.2	6.73	100	
400	3.8	3.81	96.67	(-)	400	3.8	3.80	96.67	
1050	5.7	5.36	DNM	(-)	1139	6.0	DNM	96.67	
1157	5.9	5.83	90.00	(-)	1169	6.0	5.84	90.00	
1206	5.9	5.87	90.00	(-)	1205	6.1	5.67	93.33	
1300	6.2	5.72	100	(-)	1272	6.4	6.31	96.67	
1450	6.8	6.79	DNM	(-)	1350	6.7	6.07	100	

Ocean Veritas Data Summary - Cruise 8/13/2010 - 8/19/2010

8/13/2010									
OV172					OV173				
Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	
3	6.3	7.03	100	(-)	3	6.4	7.15	100	
50	7.1	7.81	DNM	(-)	50	7.2	7.82	DNM	
400	3.9	4.43	100	(-)	400	4.0	4.53	100	
600	4.4	4.98	DNM	(-)	600	4.3	4.83	DNM	
800	5.3	5.81	96.67	(-)	740	4.7	5.44	100	
1000	6.1	6.46	DNM	(-)	800	5.0	5.53	DNM	
1200	6.8	7.11	100	(-)	900	5.2	5.75	100	
1400	6.9	7.18	100	(-)	1000	5.6	5.80	100	

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8/20/2010									
OV190					OV191				
Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	
3	6.3	7.14	96.67	(-)	3	6.4	8.32	100	
50	7.3	8.02	DNM	(-)	50	7.3	8.22	DNM	
360	3.9	4.53	96.67	(-)	400	4.0	4.72	100	
800	5.4	6.04	DNM	(-)	900	5.8	6.52	DNM	

OV155									OV156		
TPH	Depth (m)	CTD	Winkler	Rotifer % survival	TPH	Depth (m)	CTD	Winkler			
(-)	0.5	6.6	DNM	DNM	DNM	0.5	6.5	DNM			
(-)	3	6.6	DNM	100	(-)	3	6.5	DNM			
(-)	50	6.8	DNM	96.67	(-)	50	7.0	DNM			
(-)	100	6.1	DNM	96.67	DNM	400	4.0	DNM			
DNM	400	4.0	DNM	93.33	(-)	1025	5.8	5.81			
(-)	600	4.2	DNM	96.67	(-)	1085	5.3	5.36			
(-)	800	5.0	DNM	100	(-)	1100	5.1	5.13			
(-)	1020	5.9	5.83	93.33	(-)	1124	4.6	4.55			
(-)	1060	5.9	5.87	90.00	(-)	1131	4.8	5.84			
						1150	5.7	5.33			

8/14/2010								
OV174					OV175			
TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe
(-)	3	6.3	7.04	100	(-)	3	6.4	7.08
(-)	50	6.7	7.37	DNM	(-)	50	7.2	7.8
(-)	400	4.0	4.7	100	(-)	400	4.0	4.51
(-)	650	4.3	5.01	DNM	(-)	700	4.8	5.49
(-)	900	5.2	5.99	100	(-)	900	5.7	6
(-)	1000	5.6	6.15	DNM	(-)	1080	6.0	6.54
(-)	1100	5.9	6.24	100	(-)	1200	6.5	6.83
(-)	1200	5.7	5.79	100	(-)	1300	6.8	6.72

OV192					OV193			
TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe
(-)	3	6.4	7.20	100	(-)	3	6.4	7.19
(-)	50	7.5	7.98	DNM	(-)	50	7.7	8.23
(-)	400	4.0	4.57	100	(-)	400	4.0	4.61
(-)	900	5.8	6.29	DNM	(-)	600	4.4	5.04

							8/7/2010	
OV157								
Rotifer % survival	TPH	Depth (m)	CTD	Winkler	Rotifer % survival	TPH	Depth (m)	CTD
DNM	DNM	0.5	6.5	DNM	DNM	DNM	0.5	6.4
DNM	(-)	3	6.5	DNM	DNM	(-)	3	6.4
96.67	(-)	50	7.1	DNM	96.67	(-)	50	6.7
DNM	(-)	400	4.0	DNM	DNM	(-)	100	5.8
96.67	(-)	987	5.6	DNM	100	(-)	300	4.1
DNM	(-)	1069	5.8	5.86	DNM	(-)	450	4.0
DNM	(-)	1132	6.1	5.61	96.67	(-)	600	4.3
93.33	(-)	1200	6.4	6.09	DNM	(-)	700	4.8
93.33	(-)	1300	6.6	6.62	90.00	(-)	800	5.0
DNM	(-)	1400	6.8	6.87	DNM	(-)		

OV176								
Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD
100	(-)	3	6.4	7.05	96.67	(-)	3	6.3
DNM	(-)	50	7.5	8.15	DNM	(-)	50	7.5
100	(-)	400	4.0	4.46	100	(-)	400	4.0
100	(-)	700	5.0	5.59	DNM	(-)	800	5.4
DNM	(-)	1000	6.1	6.47	100	(-)	1000	6.2
100	(-)	1200	6.7	6.85	DNM	(-)	1200	6.8
DNM	(-)	1400	7.0	6.91	100	(-)	1400	6.9
100	(-)	1500	7.0	6.93	100	(-)	1600	7.0

OV194								
Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD
100	(-)	3	6.5	7.21	(-)	(-)	3	6.4
DNM	(-)	50	7.5	8.1	DNM	(-)	50	7.7
100	(-)	400	4.0	4.53	(-)	(-)	400	4.0
DNM	(-)	600	4.5	5.14	DNM	(-)	600	4.5

OV158			OV159					
DO Optical	Rotifer % survival	TPH	Depth (m)	CTD	DO Optical	Rotifer % survival	TPH	Depth (m)
6.86	DNM	DNM	0.5	6.3	6.94	DNM	DNM	0.5
6.95	100	(-)	3	6.3	7.02	100	(-)	3
6.9	100	(-)	38	7.0	7.75	100	(-)	50
6.16	96.67	(-)	50	6.9	6.80	96.67	(-)	78
4.36	100	(-)	90	6.0	6.19	96.67	(-)	156
4.27	96.67	(-)	155	4.8	5.34	96.67	(-)	260
4.76	93.33	(-)	400	4.0	4.24	100	(-)	450
4.96	100	(-)	550	4.2	4.54	96.67	(-)	650
5.07	96.67	(-)	690	4.7	4.96	96.67	(-)	850

OV177			OV178					
DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)
7.09	100	(-)	3	6.4	7.08	100	(-)	3
8.20	DNM	(-)	50	7.0	7.29	DNM	(-)	50
4.65	DNM	(-)	400	4.0	4.52	100	(-)	400
6.09	96.67	(-)	700	4.6	5.37	DNM	(-)	600
6.68	DNM	(-)	800	5.0	5.64	100	(-)	700
4.12	100	(-)	900	5.4	6.05	100	(-)	900
6.98	100	(-)	1000	5.9	6.16	DNM	(-)	994
6.94	100	(-)	1100	6.1	6.12	96.67	(-)	

OV195			OV196					
DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)
7.18	(-)	(-)	3	6.4	7.16	(-)	(-)	3
8.41	DNM	(-)	50	7.6	8.31	DNM	(-)	50
4.65	(-)	(-)	400	4.0	4.65	(-)	(-)	400
5.31	DNM	(-)	600	4.4	5.06	DNM	(-)	600

OV160				OV161				
CTD	DO Optical	Rotifer % survival	TPH	Depth (m)	CTD	DO Optical	Rotifer % survival	TPH
6.5	6.57	DNM	DNM	0.5	6.6	6.66	DNM	DNM
6.5	6.95	DNM	(-)	3	6.6	7.04	DNM	(-)
6.9	6.86	100	(-)	50	6.9	7.12	DNM	(-)
6.2	6.33	96.67	(-)	138	5.0	DNM	100	DNM
4.7	5.03	96.67	(-)	200	4.5	5.17	96.67	(-)
4.2	4.6	96.67	(-)	400	3.9	4.50	96.67	(-)
4.0	4.39	100	(-)	550	4.0	4.54	DNM	(-)
4.5	4.84	DNM	(-)	677	4.4	4.69	96.67	(-)
5.2	5.22	DNM	(-)	800	5.1	5.05	96.67	(-)

8/15/2010								
OV179				OV180				
CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH
6.3	7.12	100	(-)	3	6.3	7.04	(-)	(-)
7.0	7.92	DNM	(-)	50	6.7	7.71	DNM	(-)
4.0	4.54	100	(-)	400	4.0	4.60	(-)	(-)
4.2	5.00	DNM	(-)	700	4.8	5.46	DNM	(-)
4.6	5.14	100	(-)	900	5.6	6.12	(-)	(-)
5.2	5.62	100	(-)	1000	6.0	6.50	DNM	(-)
5.6	5.76	100	(-)	1100	6.3	6.71	(-)	(-)
				1200	6.7	6.54	(-)	(-)

OV197				OV198				
CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH
6.4	7.22	(-)	(-)	3	6.5	7.23	(-)	(-)
7.6	8.22	DNM	(-)	50	7.7	8.13	DNM	(-)
4.0	4.62	(-)	(-)	375	3.9	4.62	(-)	(-)
4.4	5.21	DNM	(-)	800	5.3	6.01	DNM	(-)

8/8/2010

OV162

OV163

Depth (m)	CTD	DO Optical	Rotifer % survival	TPH	Depth (m)	CTD	DO Optical	Rotifer % survival	TPH
0.5	6.7	6.71	DNM	DNM	0.5	6.4	DNM	DNM	DNM
3	6.7	6.97	DNM	(-)	3	6.4	6.92	DNM	(-)
50	7.0	7.57	100	(-)	50	7.3	7.71	DNM	(-)
300	3.9	4.33	DNM	(-)	100	6.1	DNM	DNM	(-)
456	4.0	4.53	90.00	(-)	200	4.8	5.17	DNM	(-)
600	4.1	4.45	DNM	(-)	310	4.0	4.39	DNM	(-)
800	5.0	5.03	96.67	(-)	400	4.0	4.57	DNM	(-)
1124	6.0	DNM	DNM	DNM	600	4.2	4.62	DNM	(-)
1200	6.3	6.03	90.00	(-)	800	5.0	5.19	DNM	(-)

OV181

OV182

Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH
3	6.3	7.11	(-)	(-)	3	6.4	7.12	(-)	(-)
50	7.3	8.10	DNM	(-)	50	6.6	7.37	DNM	(-)
400	4.0	4.55	(-)	(-)	400	4.0	4.47	(-)	(-)
800	5.5	5.93	DNM	(-)	600	4.2	4.71	DNM	(-)
1000	6.1	6.66	(-)	(-)	700	4.7	5.19	(-)	(-)
1200	6.8	7.20	DNM	(-)	800	5.0	5.46	DNM	(-)
1400	6.9	7.12	(-)	(-)	900	5.3	5.71	(-)	(-)
1583	7.1	6.64	(-)	(-)	1000	5.6	5.70	(-)	(-)

8/25/2010

OV199

OV200

Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH
3	6.3	7.29	(-)	(-)	3	6.0	7.41	100	(-)
50	7.4	8.19	DNM	(-)	50	6.8	7.87	DNM	(-)
400	3.9	4.67	(-)	(-)	400	3.8	4.76	100	(-)
800	5.2	5.95	DNM	(-)	600	4.0	4.95	DNM	(-)

OV164					OV165				
Depth (m)	CTD	DO Optical	Rotifer % survival	TPH	Depth (m)	CTD	DO Optical	Rotifer % survival	TPH
0.5	6.4	6.72	DNM	(-)	0.5	6.5	DNM	DNM	DNM
3	6.4	7.00	100	(-)	3	6.5	DNM	100	(-)
38	7.3	8.02	100	(-)	50	7.1	DNM	96.67	(-)
50	7.2	7.90	96.67	(-)	150	5.0	DNM	96.67	(-)
90	5.9	6.24	100	(-)	254	4.3	DNM	96.67	(-)
177	4.8	5.26	96.67	(-)	403	3.9	DNM	96.67	(-)
400	4.0	4.38	96.67	(-)	500	4.0	DNM	96.67	(-)
600	4.2	4.47	96.67	(-)	700	4.7	DNM	93.33	(-)
800	5.0	5.08	96.67	(-)	900	5.5	DNM	96.67	(-)

OV183					OV184				
Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH
3	6.4	7.14	(-)	(-)	3	6.3	7.13	DNM	(-)
50	6.5	7.50	DNM	(-)	50	6.9	7.80	DNM	(-)
400	4.0	4.57	(-)	(-)	400	4.0	4.51	(-)	(-)
600	4.3	4.93	DNM	(-)	700	4.7	5.43	DNM	(-)
700	4.7	5.34	(-)	(-)	900	5.7	6.23	(-)	(-)
800	5.1	5.66	DNM	(-)	1024	6.0	6.41	DNM	(-)
900	5.4	6.18	(-)	(-)	1200	6.7	6.77	(-)	(-)
1090	5.9	6.06	(-)	(-)	1400	6.8	6.86	(-)	(-)

OV201					OV202				
Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH
3	6.2	6.18	100	(-)	3	5.7	7.31	100	(-)
50	6.5	6.49	DNM	(-)	50	7.0	8.24	DNM	(-)
400	3.8	3.82	100	(-)	377	3.7	4.33	96.67	(-)
600	4.1	4.14	DNM	(-)	600	4.2	4.92	DNM	(-)

OV166					OV167				
Depth (m)	CTD	DO Optical	Rotifer % survival	TPH	Depth (m)	CTD	DO Optical	Rotifer % survival	TPH
0.5	6.4	7.01	DNM	DNM	0.5	6.5	6.59	DNM	DNM
3	6.4	7.57	100	(-)	3	6.5	6.84	96.67	(-)
50	7.0	5.21	96.67	(-)	50	6.8	7.46	96.67	(-)
175	4.5	4.37	96.67	(-)	400	4.0	4.44	100	(-)
425	3.9	5.96	96.67	(-)	800	5.2	DNM	DNM	DNM
900	5.3	5.91	100	(-)	1063	5.8	6.09	100	(-)
1162	5.6	5.84	96.67	(-)	1137	5.9	6.05	96.67	(-)
1184	5.6	6.09	93.33	(-)	1190	6.2	6.35	93.33	(-)
1230	6.2	6.72	93.33	(-)	1400	6.9	6.58	96.67	(-)

8/19/2010

OV185					OV186				
Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH
3	6.2	7.07	96.67	(-)	3	6.5	7.23	100	(-)
50	7.8	8.07	DNM	(-)	50	7.6	8.08	DNM	(-)
400	3.9	4.53	100	(-)	390	4.0	4.53	100	(-)
800	5.2	5.97	DNM	(-)	800	5.2	6.05	DNM	(-)
1058	5.9	6.54	100	(-)	1063	5.5	6.48	100	(-)
1200	6.8	7.24	DNM	(-)	1200	6.8	7.03	DNM	(-)
1500	7.0	7.12	96.67	(-)	1500	6.8	7.48	100	(-)
1700	7.0	6.98	96.67	(-)	1700	7.0	7.40	100	(-)

OV203					OV204				
Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH
3	6.2	7.26	100	(-)	5	6.0	7.31	100	(-)
50	7.0	8.16	DNM	(-)	30	7.3	8.08	DNM	(-)
400	3.7	4.38	100	(-)	400	3.9	4.59	100	(-)
600	4.3	5.09	DNM	(-)	600	4.3	5.11	DNM	(-)

3/9/2010

OV168					OV169						
Depth (m)	CTD	DO Optical	Rotifer % survival	TPH	Depth (m)	CTD	DO Optical	Rotifer % surv	TPH	Depth (m)	CTD
0.5	6.5	6.68	DNM	DNM	0.5	6.2	6.74	DNM	DNM	0.5	DNM
3	6.5	6.82	96.67	(-)	3	6.2	6.88	DNM	(-)	3	6.50
50	7.2	7.88	96.67	(-)	50	6.9	7.70	(-)	(-)	50	6.70
400	3.8	4.34	100	(-)	400	4.0	4.50	(-)	(-)	450	3.90
600	4.0	4.75	DNM	(-)	800	5.0	5.56	(-)	(-)	800	5.10
900	5.3	4.52	100	(-)	1000	5.9	5.61	(-)	(-)	1060	5.80
1088	5.8	6.12	96.67	(-)	1070	5.8	6.48	(-)	(-)	1103	5.20
1118	5.9	6.22	93.33	(-)	1130	6.2	6.51	(-)	(-)	1117	5.30
1200	6.3	13.12	96.67	(-)	1400	6.9	6.79	(-)	(-)	1500	7.00

OV187					OV188						
Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % surv	TPH	Depth (m)	CTD
3	6.2	7.10	100	(-)	3	6.5	7.20	DNM	(-)	3	6.2
50	7.8	8.06	DNM	(-)	50	8.0	8.39	100	(-)	50	7.9
400	3.8	4.44	DNM	(-)	375	3.8	4.58	100	(-)	400	3.9
1050	5.2	6.98	100	(-)	800	5.2	5.75	DNM	(-)	600	4.3
1054	6.0	6.61	100	(-)	1000	6.0	6.71	100	(-)	800	5.2
1213	6.5	7.18	100	(-)	1085	6.2	6.81	100	(-)	1000	6.2
1400	7.0	7.33	DNM	(-)	1200	6.8	7.28	DNM	(-)	1200	6.9
1700	7.0	7.29	100	(-)	1700	7.1	7.15	100	(-)	1650	7.0

3/26/2010

OV205					OV206						
Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % surv	TPH	Depth (m)	CTD
3	6.2	7.2	100	(-)	3	6.3	7.22	100	(-)	3	6.9
50	7	8.0	DNM	(-)	50	7.4	7.55	DNM	(-)	50	7.5
400	3.9	4.5	100	(-)	400	4.9	4.48	100	(-)	377	3.9
600	4.1	4.9	DNM	(-)	600	4.2	4.94	DNM	(-)	562	4.0

OV170			OV171				
DO Optical	Rotifer % survival	TPH	Depth (m)	CTD	DO Optical	Rotifer % survival	TPH
DNM	DNM	DNM	0.5	6.40	6.80	DNM	DNM
DNM	(-)	(-)	3	6.40	7.00	(-)	(-)
DNM	(-)	(-)	50	6.90	7.27	(-)	(-)
DNM	(-)	(-)	150	4.90	5.49	(-)	(-)
DNM	(-)	(-)	400	4.00	4.44	(-)	(-)
DNM	(-)	(-)	800	5.20	6.01	(-)	(-)
DNM	(-)	(-)	1200	6.60	7.22	(-)	(-)
DNM	(-)	(-)	1550	7.00	7.54	(-)	(-)
DNM	(-)	(-)	1900	7.00	7.36	(-)	(-)

OV189		
DO Probe	Rotifer % survival	TPH
7.12	(-)	(-)
8.28	DNM	(-)
4.61	(-)	(-)
4.87	DNM	(-)
5.91	(-)	(-)
6.42	DNM	(-)
7.26	(-)	(-)
7.14	(-)	(-)

OV207		
DO Probe	Rotifer % survival	TPH
7.23	DNM	(-)
8.22	DNM	(-)
4.37	100	(-)
4.76	DNM	(-)

1028	6.2	6.9	100	(-)	1076	6.4	6.93	100
1054	6.2	6.73	DNM	(-)	1200	6.8	7.40	DNM
1300	7.0	7.16	100	(-)	1400	7.0	7.38	100
1700	7.1	7.12	100	(-)	1700	7.1	7.28	100

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8/27/2010								
OV208					OV209			
Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival
3	6.3	7.2	(-)	(-)	3	5.4	7.17	(-)
50	6.9	8.0	DNM	(-)	50	7.1	8.14	DNM
400	3.7	4.5	(-)	(-)	400	4.0	4.59	(-)
600	4.3	DNM	DNM	DNM	600	4.3	5.09	DNM
800	5.1	6.1	DNM	(-)	800	5.2	6.06	(-)
1065	5.9	6.9	(-)	(-)	1050	6.2	7.11	DNM
1139	6.3	7.2	(-)	(-)	1300	6.8	7.63	(-)
1450	6.8	7.6	(-)	(-)	1600	6.9	7.69	(-)

CTD - in situ dissolved oxygen (DO) probe in milligrams per liter, approximate values

LaMotte - colorimetric dissolved oxygen (DO) test in milligrams per liter

Extech Probe - hand held dissolved oxygen (DO) probe in milligrams per liter

Optical - Dissolved Oxygen(DO) probe in milligrams per liter

SBE - insitu dissolved oxygen (DO) sensor in milligrams per liter

Rotifer % Survival - Toxicity Test

TPH - Total Petroleum Hydrocarbon reported in micrograms per liter

TPH (a) - Alkanes tested above the screening level

TPH (b) - Aromatics tested above the screening levels

ND - Not Detected

DNM - Did Not Measure

(-) - Data pending

(+) - Data pending

DR - Data Rejected due to control survival not \geq 90%

TD - Technical difficulties, not tested because rotifers did not hatch

Beginning approximately May 27, 2010, the Brooks McCall and Ocean Veritas

(-)	1100	6.5	6.99	100	(-)	800	5.4	5.51
(-)	1210	6.8	7.25	100	(-)	1150	6.6	7.03
(-)	1400	7.0	6.94	DNM	(-)	1400	7.0	7.46
(-)	1700	7.0	6.81	100	(-)	1700	7.1	7.33

OV210								
OV210					OV211			
TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe
(-)	3	5.7	7.17	(-)	(-)	3	6.2	7.23
(-)	50	7.1	8.25	DNM	(-)	50	7.0	8.14
(-)	400	3.9	4.54	(-)	(-)	400	3.9	4.59
(-)	600	4.3	5.10	DNM	(-)	600	4.2	5.04
(-)	800	5.3	6.14	(-)	(-)	800	5.2	6.07
(-)	1050	6.2	7.15	DNM	(-)	1050	6.1	7.01
(-)	1400	6.8	7.67	(-)	(-)	1200	6.7	DNM
(-)	1700	7.0	7.69	(-)	(-)	1400	6.9	7.69

100	(-)	800	5.5	6.11	(-)	(-)	800	5.5
DNM	(-)	1150	6.8	7.36	DNM	(-)	1150	6.8
100	(-)	1400	7.0	7.48	(-)	(-)	1400	7.0
100	(-)	1650	7.0	7.47	(-)	(-)	1700	7.1

8/31/2010								
OV212								
Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD
(-)	(-)	3	6.5	7.86	DNM	(-)	3	6.0
DNM	(-)	50	6.8	8.21	DNM	(-)	50	6.5
(-)	(-)	400	3.6	4.75	DNM	(-)	400	4.0
DNM	(-)	512	3.8	5.24	DNM	(-)	500	3.9
(-)	(-)	700	4.5	5.88	DNM	(-)	600	4.0
(-)	(-)	850	4.7	6.24	DNM	(-)	700	4.3
DNM	DNM	988	5.6	6.98	DNM	(-)	800	4.8
(-)	(-)	1151	5.8	6.97	DNM	(-)	870	4.9

6.03	(-)	(-)	800	5.3	5.33	(-)	(-)	800
7.2	DNM	(-)	1150	6.7	6.75	DNM	(-)	1150
7.47	(-)	(-)	1400	7.0	7.36	(-)	(-)	1400
7.63	(-)	(-)	1700	7.1	7.62	(-)	(-)	1700

OV213			OV214					
DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH	Depth (m)
7.87	DNM	(-)	3	6.0	7.92	DNM	(-)	3
7.73	DNM	(-)	50	6.9	8.61	DNM	(-)	50
5.02	DNM	(-)	428	3.9	4.98	DNM	(-)	250
4.96	DNM	(-)	600	4.0	5.21	DNM	(-)	400
5.10	DNM	(-)	800	4.8	6.19	DNM	(-)	500
5.61	DNM	(-)	1050	5.6	DNM	DNM	DNM	600
6.07	DNM	(-)	1133	5.7	7.06	DNM	(-)	700
6.17	DNM	(-)	1228	6.1	7.47	DNM	(-)	842

5.3	6.03	(-)	(-)	1050	6.2	6.71	(-)	(-)
6.7	7.26	(-)	(-)	1200	6.8	7.24	DNM	(-)
7.0	7.12	DNM	(-)	1400	7.0	7.23	(-)	(-)
7.0	7.46	(-)	(-)	1600	7.0	7.57	(-)	(-)

OV215				OV216				
CTD	DO Probe	Rotifer % survival	TPH	Depth (m)	CTD	DO Probe	Rotifer % survival	TPH
5.2	6.22	DNM	(-)	3	6.1	6.25	DNM	(-)
7.0	7.01	DNM	(-)	50	7.1	7.00	DNM	(-)
4.2	4.26	DNM	(-)	418	3.9	3.82	DNM	(-)
3.9	3.87	DNM	(-)	500	4.0	3.91	DNM	(-)
3.9	3.89	DNM	(-)	700	5.4	4.53	DNM	(-)
4.0	4.06	DNM	(-)	900	5.1	5.23	DNM	(-)
4.3	4.53	DNM	(-)	1050	5.6	5.69	DNM	(-)
5.0	DNM	DNM	DNM	1139	6.1	6.17	DNM	(-)

1023	6.0	6.53	(-)	(-)	800	4.8	5.68	100	(-)
1096	6.2	6.72	(-)	(-)	1100	5.9	6.61	DNM	(-)
1300	6.8	7.24	DNM	(-)	1169	6.1	6.79	100	(-)
1650	7.0	7.5	(-)	(-)	1186	6.1	6.46	100	(-)

800	4.9	4.96	100	(-)	800	5.1	5.85	DNM	(-)
1041	5.9	DNM	DNM	DNM	1079	6.0	6.87	100	(-)
1142	5.9	5.91	100	(-)	1100	5.9	6.37	100	(-)
1394	6.7	6.66	100	(-)	1500	6.9	7.00	100	(-)

800	5.1	6.02	DNM	(-)	800	5.1	6.06	100	(-)
1143	6.3	7.11	100	(-)	1100	6.3	7.07	DNM	(-)
1352	6.8	7.56	100	(-)	1300	6.9	7.39	100	(-)
1550	7.0	7.52	100	(-)	1678	7.0	7.28	100	(-)

700	4.5	5.4	100	(-)	800	5.0	5.75	100	(-)	1020	5.3
800	4.9	5.7	DNM	(-)	1050	5.9	6.81	DNM	(-)	1062	5.8
900	5.2	6.1	100	(-)	1150	6.1	7.24	100	(-)	1150	6.5
950	5.6	6.2	100	(-)	1260	6.5	6.99	100	(-)	1325	6.6

6.52	100	(-)
6.73	100	(-)
7.08	100	(-)
7.17	100	(-)

began targeting specific depths, where high fluorometry readings were observed, for the collection of samples for toxicity and TPH testing.

Due to mechanical problems, no data has been received for stations OV56-61.