APPENDIX C - NELHA Pipeline Data Tables and Graphs

Surface Seawater 28” Pipeline ……. Appendix C-SSW28-1
Surface Seawater 24” Pipeline…….. Appendix C-SSW24-1
Surface Seawater 55” Pipeline…… Appendix C-SSW55-1
Deep Seawater 40” Pipeline…… Appendix C-DSW40-1
Deep Seawater 18” Pipeline ……..…. Appendix C-DSW18-1
Deep Seawater 55” Pipeline…… Appendix C-DSW55-1

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/24/82		0.11	3.4	0.14	2.0			2.3	66									34.466	27.0				
SSW28"	8/3/82		0.17	5.3	0.19	2.7			2.9	82									34.482	27.8				
SSW28"	8/10/82		0.08	2.5	0.28	3.9			3.7	104									34.458	27.6				
SSW28"	8/17/82		0.10	3.1	0.34	4.8			3.9	110									34.446	27.4				
SSW28"	8/23/82		0.10	3.1	0.43	6.0			6.0	170									34.537	27.6				
SSW28"	9/1/82		0.12	3.7	0.09	1.3			1.8	51									34.544	27.6				
SSW28"	9/10/82		0.12	3.7	0.18	2.5			3.8	106									34.540	27.9				
SSW28"	9/17/82		0.11	3.4	0.47	6.6			11.5	324									34.442	27.6				
SSW28"	9/20/82		0.08	2.5	0.18	2.5			3.6	101									34.395	27.6				
SSW28"	9/29/82		0.12	3.7	0.23	3.2			6.2	173									34.329	27.5				
SSW28"	10/6/82		0.21	6.5	0.17	2.4			4.6	130									34.403	27.5				
SSW28"	10/14/82		0.17	5.3	0.12	1.7			3.5	99									34.438	27.3				
SSW28"	10/18/82		0.15	4.6	0.14	2.0			3.0	83									34.572	27.6				
SSW28"	10/28/82		0.13	4.0	0.14	2.0			2.1	58									34.595	27.4				
SSW28"	11/4/82		0.11	3.4	0.14	2.0			2.3	65									34.595	27.6				
SSW28"	11/10/82		0.12	3.7	0.17	2.4			2.3	65									34.607	27.4				
SSW28"	11/17/82		0.11	3.4	0.19	2.7			2.1	60									34.670	27.2				
SSW28"	11/22/82		0.12	3.7	0.17	2.4			2.3	65									34.709	26.7				
SSW28"	12/7/82		0.13	4.0	0.11	1.5			3.0	85									34.627	26.2				
SSW28"	12/20/82		0.16	5.0	0.08	1.1			2.1	58									34.682	25.8				
SSW28"	12/23/82		0.20	6.2	0.19	2.7			7.2	201									34.694	25.2				
SSW28"	12/27/82		0.17	5.3	0.14	2.0			1.9	53									34.737	25.1				
SSW28"	1/5/83		0.16	5.0	0.11	1.5			3.0	85									34.635	25.3				
SSW28"	1/10/83		0.18	5.6	0.11	1.5			3.4	95									34.658	25.3				
SSW28"	1/19/83		0.16	5.0	0.08	1.1			2.9	80									34.760	25.4				
SSW28"	1/27/83		0.16	5.0	0.08	1.1			2.9	80									34.756	24.8				
SSW28"	2/4/83		0.16	5.0	0.11	1.5			2.9	80									34.776	24.9				
SSW28"	2/10/83		0.15	4.6	0.05	0.7			3.7	105									34.772	24.3				
SSW28"	2/18/83		0.18	5.6	0.14	2.0			3.4	95									34.792	24.7				
SSW28"	2/22/83		0.14	4.3	0.14	2.0			2.9	80									34.858	24.9				
SSW28"	3/1/83		0.04	1.2	0.10	1.4			3.0	83									34.874	25.1				
SSW28"	3/11/83		0.06	1.9	0.25	3.5			4.1	116									34.837	25.4				
SSW28"	3/18/83		0.06	1.9	0.21	2.9			3.0	83									34.855	24.9				
SSW28"	3/24/83		0.09	2.8	0.12	1.7			2.8	78									34.846	24.9				
SSW28"	3/31/83		0.10	3.1	0.12	1.7			2.0	55									34.753	24.9				
SSW28"	4/6/83		0.09	2.8	0.21	2.9			2.8	78									34.770	25.3				
SSW28"	4/16/83		0.12	3.7	0.21	2.9			3.4	94									34.730	25.2				
SSW28"	4/21/83		0.14	4.3	0.16	2.2			6.5	183									34.721	25.7				
SSW28"	4/25/83		0.10	3.1	0.12	1.7			3.5	99									34.780	25.2				
SSW28"	5/7/83		0.16	5.0	0.14	2.0			2.7	76									34.700	25.1				
SSW28"	5/10/83		0.15	4.6	0.03	0.4			3.4	96									34.701	25.2				
SSW28"	5/19/83		0.17	5.3	0.24	3.4			5.4	152									34.538	25.4				
SSW28"	5/26/83		0.18	5.6	0.07	1.0			3.4	96									34.710	25.2				
SSW28"	6/2/83		0.16	5.0	0.10	1.4			3.2	91									34.629	25.9				
SSW28"	6/7/83		0.17	5.3	0.14	2.0			3.4	96									34.795	25.6				
SSW28"	6/16/83		0.15	4.6	0.10	1.4			2.9	81									34.840	26.1				
SSW28"	6/23/83		0.15	4.6	0.07	1.0			2.3	66									34.844	26.2				
SSW28"	6/29/83		0.17	5.3	0.17	2.4			3.6	101									34.784	26.1				

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/7/83		0.17	5.3	0.24	3.4			4.7	131									34.764	25.9				
SSW28"	7/14/83		0.17	5.3	0.18	2.5			4.9	138									34.713	25.6				
SSW28"	7/21/83		0.16	5.0	0.15	2.1			2.1	59									34.774	26.2				
SSW28"	7/28/83		0.17	5.3	0.17	2.4			3.9	110									34.752	26.1				
SSW28"	8/3/83		0.18	5.6	0.36	5.0			4.1	114									34.775	25.9				
SSW28"	8/11/83		0.15	4.6	0.15	2.1			2.7	76									34.794	26.5				
SSW28"	8/20/83		0.15	4.6	0.12	1.7			3.1	86									34.766	26.5				
SSW28"	8/26/83		0.16	5.0	0.18	2.5			4.1	114									34.787	26.7				
SSW28"	8/29/83		0.15	4.6	0.18	2.5			3.7	105									34.795	26.6				
SSW28"	9/8/83		0.16	5.0	0.17	2.4			4.0	112									34.768	26.5				
SSW28"	9/14/83		0.17	5.3	0.17	2.4			2.8	78									34.837	27.0				
SSW28"	9/22/83		0.16	5.0	0.23	3.2			5.0	142									34.866	26.8				
SSW28"	9/29/83		0.17	5.3	0.16	2.2			2.9	82									34.890	26.3				
SSW28"	10/8/83		0.15	4.6	0.22	3.1			4.1	115									34.886	26.8				
SSW28"	10/15/83		0.15	4.6	0.19	2.7			4.1	115									34.927	26.6				
SSW28"	10/21/83		0.15	4.6	0.16	2.2			5.0	139									34.929	26.7				
SSW28"	10/24/83		0.15	4.6	0.09	1.3			4.4	125									34.924	27.5				
SSW28"	11/3/83		0.16	5.0	0.18	2.5			2.5	71									34.890	26.5				
SSW28"	11/10/83		0.13	4.0	0.14	2.0			2.5	71									35.003	26.1				
SSW28"	11/18/83		0.11	3.4	0.11	1.5			2.7	76									35.002	26.4				
SSW28"	11/21/83		0.13	4.0	0.18	2.5			2.9	80									35.003	26.6				
SSW28"	11/30/83		0.17	5.3	0.07	1.0			2.6	73									35.003	26.4				
SSW28"	12/8/83		0.17	5.3	0.17	2.4			2.2	63									35.047	26.5				
SSW28"	12/13/83		0.21	6.5	0.10	1.4			2.4	68									34.961	26.4				
SSW28"	12/21/83		0.18	5.6	0.07	1.0			2.6	73									34.995	25.7				
SSW28"	12/28/83		0.18	5.6	0.12	1.7			1.9	53									34.894	25.9				
SSW28"	1/6/84		0.13	4.0	0.15	2.1			2.2	62									34.972	25.6				
SSW28"	1/13/84		0.15	4.6	0.24	3.4			2.3	64									34.965	25.7				
SSW28"	1/20/84		0.12	3.7	0.12	1.7			1.8	51									35.016	25.3				
SSW28"	1/25/84		0.15	4.6	0.18	2.5			2.8	79									34.886	25.6				
SSW28"	2/3/84		0.13	4.0	0.12	1.7			2.0	56									35.047	25.1				
SSW28"	2/10/84		0.14	4.3	0.21	2.9			3.2	89									34.980	24.8				
SSW28"	2/15/84		0.14	4.3	0.09	1.3			2.2	61									34.972	25.2				
SSW28"	2/24/84		0.14	4.3	0.12	1.7			2.8	79									34.932	25.2				
SSW28"	2/29/84		0.17	5.3	0.12	1.7			3.0	84									34.933	25.2				
SSW28"	3/9/84		0.18	5.6	0.10	1.4			2.8	78									34.893	25.5				
SSW28"	3/16/84		0.19	5.9	0.21	2.9			4.5	126									34.801	26.0				
SSW28"	3/23/84		0.18	5.6	0.14	2.0			3.6	102									34.796	26.0				
SSW28"	3/27/84		0.19	5.9	0.17	2.4			3.8	106									34.739	25.5				
SSW28"	4/13/84		0.18	5.6	0.05	0.7			2.3	65									34.850	25.1				
SSW28"	4/19/84		0.18	5.6	0.22	3.1			3.3	94									34.864	25.4				
SSW28"	4/25/84		0.17	5.3	0.22	3.1			2.3	65									34.931	25.3				
SSW28"	5/4/84		0.16	5.0	0.27	3.8			2.9	82									34.899	25.7				
SSW28"	5/10/84		0.18	5.6	0.19	2.7			2.4	67									34.880	25.6				
SSW28"	5/18/84		0.17	5.3	0.27	3.8			3.8	106									34.811	25.3				
SSW28"	5/25/84		0.14	4.3	0.25	3.5			4.3	120									34.794	25.9				
SSW28"	5/29/84		0.21	6.5	0.25	3.5			2.6	72									34.820	25.5				
SSW28"	6/8/84		0.18	5.6	0.14	2.0			2.3	65									34.971	26.1				
SSW28"	6/16/84		0.16	5.0	0.14	2.0			2.4	67									34.842	26.1				
SSW28"	6/22/84		0.16	5.0	0.22	3.1			2.8	79									34.921	26.4				
SSW28"	6/29/84		0.18	5.6	0.39	5.5			5.1	144									34.938	26.5				

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/6/84		0.15	4.6	0.22	3.1			3.6	102									34.976	26.5				
SSW28"	7/13/84		0.13	4.0	0.22	3.1			4.0	112									34.933	26.7				
SSW28"	7/19/84		0.11	3.4	0.24	3.4			3.3	92									34.882	26.7				
SSW28"	7/27/84		0.12	3.7	0.19	2.7			3.1	88									34.961	26.9				
SSW28"	8/3/84		0.21	6.5	0.19	2.7			2.0	55									35.004	27.0				
SSW28"	8/10/84		0.15	4.6	0.11	1.5			2.5	70									35.000	25.9				
SSW28"	8/16/84		0.16	5.0	0.11	1.5			1.4	40									34.992	26.3				
SSW28"	8/25/84		0.20	6.2	0.24	3.4			3.2	90									35.012	26.6				
SSW28"	9/8/84		0.20	6.2	0.12	1.7			2.0	55									35.018	26.4				
SSW28"	9/13/84		0.25	7.7	0.24	3.4			3.0	85									34.893	26.7				
SSW28"	9/21/84		0.18	5.6	0.15	2.1			1.4	40									34.961	27.0				
SSW28"	9/28/84		0.19	5.9	0.21	2.9			3.2	91									35.059	27.5				
SSW28"	10/5/84		0.21	6.5	0.25	3.5			4.0	111									35.064	27.4				
SSW28"	10/12/84		0.14	4.3	0.14	2.0			2.3	65									35.112	27.2				
SSW28"	10/19/84		0.14	4.3	0.20	2.8			2.0	55									35.147	27.7				
SSW28"	10/29/84		0.16	5.0	0.19	2.7			1.1	30									35.053	27.1				
SSW28"	11/2/84		0.15	4.6	0.20	2.8			1.8	50									35.094	27.6				
SSW28"	11/9/84		0.16	5.0	0.13	1.8			1.4	40									35.083	26.7				
SSW28"	11/16/84		0.16	5.0	0.10	1.4			1.4	40									35.167	26.3				
SSW28"	11/23/84		0.12	3.7	0.20	2.8			1.6	45									35.196	26.3				
SSW28"	11/30/84		0.14	4.3	0.23	3.2			2.0	55									35.183	26.2				
SSW28"	12/7/84		0.18	5.6	0.19	2.7			1.9	54									35.181	26.1				
SSW28"	12/14/84		0.19	5.9	0.25	3.5			1.5	43									34.751	25.3				
SSW28"	12/21/84		0.19	5.9	0.36	5.0			5.0	140									35.006	25.7				
SSW28"	12/27/84		0.18	5.6	0.24	3.4			1.5	43									34.554	24.9				
SSW28"	1/4/85		0.19	5.9	0.35	4.9			3.0	84									34.504	24.9				
SSW28"	1/11/85		0.18	5.6	0.25	3.5			2.2	63									34.642	24.9				
SSW28"	1/18/85		0.15	4.6	0.25	3.5			1.9	53									34.835	24.5				
SSW28"	1/25/85		0.15	4.6	0.18	2.5			2.4	68									34.882	25.1				
SSW28"	2/1/85		0.15	4.6	0.35	4.9			3.6	100									34.916	24.5				
SSW28"	2/8/85		0.14	4.3	0.32	4.5			2.1	58									34.914	24.8				
SSW28"	2/15/85		0.14	4.3	0.23	3.2			1.4	40									34.965	24.7				
SSW28"	2/21/85		0.18	5.6	0.25	3.5			3.0	84									34.784	25.0				
SSW28"	3/1/85		0.18	5.6	0.24	3.4			2.5	69									34.544	24.7				
SSW28"	3/9/85		0.14	4.3	0.21	2.9			1.7	48									34.756	24.4				
SSW28"	3/15/85		0.17	5.3	0.18	2.5			1.7	48									34.690	24.4				
SSW28"	3/22/85		0.20	6.2	0.60	8.4			16.0	449									34.914	24.0				
SSW28"	3/30/85		0.16	5.0	0.24	3.4			2.4	68									34.803	24.5				
SSW28"	4/5/85		0.15	4.6	0.22	3.1			2.1	58									34.933	23.9				
SSW28"	4/12/85		0.18	5.6	0.22	3.1			1.7	47									35.028	23.9				
SSW28"	4/19/85		0.20	6.2	0.22	3.1			2.1	58									34.729	23.7				
SSW28"	4/26/85		0.19	5.9	0.27	3.8			2.9	82									34.823	24.2				
SSW28"	5/3/85		0.19	5.9	0.18	2.5			2.6	74									34.776	24.9				
SSW28"	5/10/85		0.24	7.4	0.28	3.9			3.0	85									34.607	24.8				
SSW28"	5/17/85		0.22	6.8	0.30	4.2			1.6	45									34.489	24.9				
SSW28"	5/29/85		0.23	7.1	0.18	2.5			2.4	68									34.552	25.6				
SSW28"	6/9/85		0.23	7.1	0.29	4.1			2.8	78									34.580	25.8				
SSW28"	6/14/85		0.22	6.8	0.26	3.6			4.1	115									34.540	25.8				
SSW28"	6/23/85		0.22	6.8	0.24	3.4			3.2	89									34.580	26.1				

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/3/85		0.21	6.5	0.26	3.6			3.6	102									34.629	26.0				
SSW28"	7/12/85		0.20	6.2	0.26	3.6			2.6	72									34.743	26.9				
SSW28"	7/19/85		0.20	6.2	0.23	3.2			2.7	77									34.760	26.9				
SSW28"	7/26/85		0.18	5.6	0.29	4.1			2.2	61									34.783	26.8				
SSW28"	8/1/85		0.18	5.6	0.24	3.4			2.9	80									34.711	26.5				
SSW28"	8/9/85		0.17	5.3	0.16	2.2			2.4	66									34.825	26.2				
SSW28"	8/16/85		0.18	5.6	0.19	2.7			2.9	83									34.812	26.4				
SSW28"	8/21/85		0.23	7.1	0.19	2.7			4.1	116									34.779	27.2				
SSW28"	8/29/85		0.21	6.5	0.17	2.4			2.6	72									34.800	27.3				
SSW28"	9/7/85		0.18	5.6	0.20	2.8			2.5	69									34.948	26.5				
SSW28"	9/15/85		0.18	5.6	0.22	3.1			2.7	74									34.938	27.0				
SSW28"	9/20/85		0.19	5.9	0.27	3.8			3.8	106									34.848	27.4				
SSW28"	9/27/85		0.21	6.5	0.27	3.8			1.9	53									34.854	27.2				
SSW28"	10/4/85		0.21	6.5	0.22	3.1			2.7	74									34.815	27.5				
SSW28"	10/11/85		0.18	5.6	0.20	2.8			2.3	64									34.896	26.9				
SSW28"	10/18/85		0.19	5.9	0.30	4.2			2.3	64									34.885	26.7				
SSW28"	10/25/85		0.18	5.6	0.20	2.8			1.9	53									34.891	26.4				
SSW28"	11/1/85		0.19	5.9	0.22	3.1			2.7	74									34.892	26.6				
SSW28"	11/7/85		0.16	5.0	0.23	3.2			1.7	47									34.896	26.9				
SSW28"	11/14/85		0.14	4.3	0.24	3.4			1.5	42									34.915	27.0				
SSW28"	11/21/85		0.14	4.3	0.27	3.8			1.9	52									34.823	26.8				
SSW28"	11/27/85		0.15	4.6	0.34	4.8			1.7	47									34.923	26.2				
SSW28"	12/5/85		0.12	3.7	0.32	4.5			2.0	57									34.937	26.3				
SSW28"	12/13/85		0.11	3.4	0.24	3.4			2.0	57									34.997	26.4				
SSW28"	12/20/85		0.12	3.7	0.32	4.5			2.0	57									34.989	25.4				
SSW28"	12/27/85		0.11	3.4	0.22	3.1			1.5	42									35.027	25.7				
SSW28"	1/3/86		0.20	6.2	0.25	3.5	0.15	2.1	2.3	64	0.5	15.5	6.0	84	0.45	0.34			35.044	25.5				
SSW28"	1/7/86		0.15	4.6	0.22	3.1	0.15	2.1	2.5	69	0.5	14.6	6.2	86	0.52	0.20			35.047	25.4				
SSW28"	1/17/86		0.18	5.6	0.22	3.1	0.18	2.5	3.0	85	0.5	13.9	5.1	71	0.44	0.11			34.969	25.6				
SSW28"	1/24/86		0.20	6.2	0.19	2.7	0.20	2.8	1.9	53	0.5	15.5	5.6	79	0.48	0.53			34.844	25.2				
SSW28"	1/31/86		0.18	5.6	0.22	3.1	0.18	2.5	2.5	69	0.5	15.5	5.6	78	0.42	0.37			34.889	25.0				
SSW28"	2/8/86		0.19	5.9	0.19	2.7	0.15	2.1	1.7	48	0.5	15.2	5.2	73	0.45	0.37			34.770	25.6				
SSW28"	2/12/86		0.20	6.2	0.16	2.2	0.20	2.8	2.7	75	0.5	16.7	5.6	78	0.53	0.32			34.627	25.6				
SSW28"	2/21/86		0.24	7.4	0.34	4.8	0.28	3.9	3.0	85	0.6	17.0	5.6	78	1.27	0.41			34.724	25.6				
SSW28"	3/1/86		0.22	6.8	0.22	3.1	0.43	6.0	1.7	48	0.5	16.4	5.5	77	0.45				34.745	25.6				
SSW28"	3/7/86		0.13	4.0	0.21	2.9	0.23	3.2	2.4	67	0.5	13.9	5.1	71	0.97	0.65			34.823	25.6				
SSW28"	3/13/86		0.16	5.0	0.26	3.6	0.26	3.6	3.5	98	0.6	17.0	6.3	88	0.85	0.70			34.725	26.4				
SSW28"	3/20/86		0.14	4.3	0.22	3.1	0.21	2.9	2.6	72	0.4	13.6	5.1	71	0.65	0.70			34.713	26.8				
SSW28"	3/27/86		0.11	3.4	0.16	2.2	0.13	1.8	2.6	72	0.4	13.6	5.2	73	0.40	0.80			34.815	25.5				
SSW28"	4/14/86		0.14	4.3	0.19	2.7	0.19	2.7	1.8	51	0.5	16.1	5.8	81	0.38	0.85			34.612	26.2				
SSW28"	4/19/86		0.12	3.7	0.36	5.0	0.21	2.9	4.8	134	0.5	15.5	4.9	69	0.61	0.80			34.634	25.6				
SSW28"	4/26/86		0.12	3.7	0.16	2.2	0.21	2.9	2.2	62	0.5	15.8	5.2	72	0.57	0.65			34.712	26.3				
SSW28"	4/30/86		0.16	5.0	0.38	5.3	0.30	4.2	5.5	153	0.4	13.0	5.8	81	0.40	0.65			34.648					
SSW28"	5/9/86		0.15	4.6	0.16	2.2	0.24	3.4	2.0	56	0.4	13.3	5.2	72	0.43	0.70			34.658					
SSW28"	5/16/86		0.15	4.6	0.25	3.5	0.31	4.3	2.7	77	0.5	13.9	5.4	76	0.40	1.35			34.691					
SSW28"	5/25/86		0.14	4.3	0.28	3.9	0.26	3.6	3.3	92	0.5	13.9	5.3	74	0.39	0.65			34.655					
SSW28"	5/30/86		0.15	4.6	0.28	3.9	0.29	4.1	3.6	102	0.5	14.2	5.0	69	0.41	0.40			34.648					
SSW28"	6/4/86		0.15	4.6	0.22	3.1	0.29	4.1	2.2	61	0.5	14.2	5.0	71	0.41	0.60			34.677					
SSW28"	6/13/86		0.15	4.6	0.43	6.0	0.30	4.2	4.9	138	0.5	16.1	5.9	83	0.36	0.85			34.614					
SSW28"	6/20/86		0.23	7.1	0.25	3.5	0.09	1.3	2.5	71	0.5	15.8	10.3	145	0.43	0.80			34.719					
SSW28"	6/27/86		0.23	7.1	0.15	2.1	0.12	1.7	5.1	142	0.5	15.5	9.0	126	0.41	0.60			34.685					

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/3/86		0.16	5.0	0.20	2.8	0.14	2.0	1.9	53	0.5	14.9	5.7	80	0.42	1.05			34.899					
SSW28"	7/12/86		0.17	5.3	0.20	2.8	0.24	3.4	0.2	5	0.5	15.8	5.2	73	0.38	0.85			34.790					
SSW28"	7/18/86		0.22	6.8	0.20	2.8	0.24	3.4	2.1	58	0.5	15.5	9.7	136	0.50	0.90			34.749					
SSW28"	7/25/86		0.16	5.0	0.22	3.1	0.17	2.4	2.1	58	0.5	14.2	5.6	78	0.53	0.70			34.805					
SSW28"	7/31/86		0.17	5.3	0.20	2.8	0.23	3.2	2.2	63	0.5	14.6	5.5	76	0.57	1.10			34.695					
SSW28"	8/7/86		0.19	5.9	0.20	2.8	0.33	4.6	1.9	53	0.5	16.1	5.2	72	0.38	0.55			34.733					
SSW28"	8/18/86		0.14	4.3	0.10	1.4	0.17	2.4	2.0	57	0.5	14.2	5.0	70	0.44	1.25			34.753					
SSW28"	8/28/86		0.15	4.6	0.21	2.9	0.29	4.1	2.2	62	0.5	15.5	5.7	79	0.43	1.45			34.749					
SSW28"	9/4/86		0.11	3.4	0.10	1.4	0.22	3.1	1.5	42	0.5	15.5	6.7	93	0.42	0.50			34.875					
SSW28"	9/11/86		0.15	4.6	0.21	2.9	0.22	3.1	2.8	78	0.5	14.6	5.7	80	0.41	0.40			34.720					
SSW28"	9/17/86		0.14	4.3	0.36	5.0	0.19	2.7	3.2	88	0.4	12.4	5.7	80	0.47	0.40			34.716					
SSW28"	9/24/86		0.12	3.7	0.26	3.6	0.19	2.7	1.9	52	0.4	13.3	5.4	75	0.46	0.65			34.828					
SSW28"	9/30/86		0.12	3.7	0.10	1.4	0.22	3.1	1.5	42	0.5	14.2	6.7	93	0.47	0.65			34.784					
SSW28"	10/9/86		0.11	3.4	0.18	2.5	0.24	3.4	2.0	57	0.4	11.8	5.9	83	0.38	1.60			34.730					
SSW28"	10/16/86		0.09	2.8	0.18	2.5	0.23	3.2	1.7	47	0.4	12.1	6.6	92	0.41	0.85			34.796					
SSW28"	10/23/86		0.09	2.8	0.13	1.8	0.23	3.2	1.7	47	0.4	13.0	6.2	87	0.39	1.65			34.798					
SSW28"	10/30/86		0.11	3.4	0.21	2.9	0.23	3.2	2.0	57	0.4	13.0	6.3	88	0.38	1.00			34.840					
SSW28"	11/6/86		0.11	3.4	0.16	2.2	0.25	3.5	1.9	52	0.4	13.0	6.4	89	0.39	0.45			34.841					
SSW28"	11/13/86		0.09	2.8	0.13	1.8	0.23	3.2	2.2	62	0.4	13.0	6.0	84	0.39	2.55			34.754					
SSW28"	11/20/86		0.11	3.4	0.12	1.7	0.22	3.1	1.9	52	0.4	13.3	6.6	92	0.39	0.70			34.792					
SSW28"	11/28/86		0.11	3.4	0.21	2.9	0.23	3.2	2.2	62	0.5	15.5	6.1	85	0.39	0.65			34.825					
SSW28"	12/4/86		0.15	4.6	0.21	2.9	0.10	1.4	3.0	83	0.4	13.0	6.6	92	0.47	1.05			34.761					
SSW28"	12/11/86		0.09	2.8	0.19	2.7	0.11	1.5	2.6	73	0.4	12.1	5.8	81	0.58	1.00			34.930					
SSW28"	12/19/86		0.12	3.7	0.22	3.1	0.11	1.5	2.4	68	0.5	14.2	6.2	87	0.42	0.90			34.833					
SSW28"	12/23/86		0.14	4.3	0.30	4.2	0.18	2.5	3.9	109	0.5	14.6	6.2	87	0.42	0.65			34.723					
SSW28"	12/30/86		0.15	4.6	0.14	2.0	0.12	1.7	2.2	62	0.5	14.6	5.3	75	0.41	0.80			34.678					
SSW28"	1/8/87		0.14	4.3	0.22	3.1	0.15	2.1	2.4	68	0.5	14.2	5.9	83	0.42	0.90			34.854	26.0	8.26	6.50		
SSW28"	1/14/87		0.14	4.3	0.25	3.5	0.24	3.4	2.2	62	0.5	15.8	7.3	102	0.43	0.85			34.805	25.7	8.22	6.45		
SSW28"	1/21/87		0.14	4.3	0.14	2.0	0.22	3.1	2.0	57	0.5	14.6	6.2	86	0.48	0.65			34.797	25.3	8.18	6.51		
SSW28"	1/28/87		0.16	5.0	0.27	3.8	0.22	3.1	2.6	73	0.5	14.9	6.8	96	0.46	1.50			34.711	25.6	8.26	7.13		
SSW28"	2/6/87		0.13	4.0	0.15	2.1	0.09	1.3	3.0	83	0.4	12.1	5.5	77	0.54	0.80				24.8	8.27	6.90		
SSW28"	2/12/87		0.15	4.6	0.15	2.1	0.12	1.7	1.9	52	0.4	13.3	5.8	81	0.47	0.55				24.8	8.21	7.01		
SSW28"	2/19/87		0.15	4.6	0.19	2.7	0.17	2.4	2.4	68	0.5	13.9	5.6	79	0.43	0.90				24.7	8.19	6.60		
SSW28"	2/26/87		0.17	5.3	0.28	3.9	0.24	3.4	2.8	78	0.5	14.2	5.9	82	0.43	0.80				24.6	8.22	6.68		
SSW28"	3/3/87		0.15	4.6	0.15	2.1	0.21	2.9	2.0	57	0.5	14.6	5.7	79	0.46	0.75				24.5	8.19	7.02		
SSW28"	3/10/87		0.13	4.0	0.25	3.5	0.28	3.9	1.9	52	0.5	15.2	5.7	80	0.41	0.75				24.5	8.17	6.75		
SSW28"	3/17/87		0.15	4.6	0.25	3.5	0.28	3.9	1.7	47	0.5	16.4	5.8	82	0.41	0.75				25.1	8.22	7.07		
SSW28"	3/24/87		0.15	4.6	0.25	3.5	0.33	4.6	1.9	52	0.5	16.7	9.3	130	0.54	0.60				25.0	8.16	6.89		
SSW28"	4/3/87		0.23	7.1	0.18	2.5	0.33	4.6	2.5	69	0.6	17.0	5.4	75	0.69	0.90			34.581	25.0	8.25	6.64		
SSW28"	4/9/87		0.17	5.3	0.15	2.1	0.23	3.2	3.0	85	0.5	16.4	6.6	92	0.46	0.35			34.546	25.1	8.23	6.63		
SSW28"	4/16/87		0.15	4.6	0.21	2.9	0.23	3.2	4.2	117	0.5	14.9	5.5	77	0.45	0.85			34.577	25.1	8.24	6.40		
SSW28"	4/21/87		0.13	4.0	0.06	0.8	0.28	3.9	1.3	37	0.5	15.2	6.0	84	0.41	0.70			34.748	24.7	8.25	7.05		
SSW28"	4/28/87		0.15	4.6	0.15	2.1	0.28	3.9	2.9	80	0.5	15.8	5.0	70	0.54	0.85			34.652	25.2	8.23	7.00		
SSW28"	5/5/87		0.14	4.3	0.14	2.0	0.30	4.2	1.9	53	0.5	15.2	6.0	84	0.42	0.85			34.694	24.9	8.22	6.84		
SSW28"	5/12/87		0.16	5.0	0.21	2.9	0.33	4.6	3.2	91	0.5	16.4	5.9	83	0.41	0.60			34.623	24.9	8.23	7.16		
SSW28"	5/21/87		0.13	4.0	0.27	3.8	0.30	4.2	3.4	96	0.5	16.4	5.5	77	0.41	0.80			34.641	25.5	8.23	6.98		
SSW28"	5/26/87		0.13	4.0	0.15	2.1	0.28	3.9	2.9	80	0.5	14.9	5.1	71	0.41	0.60			34.692	25.6	8.24	7.27		
SSW28"	6/2/87		0.13	4.0	0.15	2.1	0.29	4.1	1.3	37	0.5	14.9	5.3	74	0.60	0.70			34.553	25.6	8.18	7.07		
SSW28"	6/9/87		0.15	4.6	0.30	4.2	0.17	2.4	4.3	120	0.5	16.1	8.9	125	0.49	0.75		2.32	34.542	25.9	8.18	7.26		
SSW28"	6/17/87		0.13	4.0	0.22	3.1	0.21	2.9	3.2	90	0.6	17.3	8.7	122	0.41	0.60		2.32	34.736	26.3	8.20	6.59		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/2/87		0.13	4.0	0.16	2.2	0.23	3.2	2.3	64	0.5	16.1	9.0	125	0.40	0.60		2.31	34.644	26.2	8.23	6.44		
SSW28"	7/11/87		0.13	4.0	0.16	2.2	0.23	3.2	2.1	58	0.5	16.7	7.6	107	0.39	0.50		2.31	34.612	26.7	8.23	8.06		
SSW28"	7/18/87		0.13	4.0	0.19	2.7	0.23	3.2	1.6	45	0.5	16.7	7.4	104	0.37	0.85		2.31	34.585	26.8	8.23	6.89		
SSW28"	7/28/87		0.12	3.7	0.16	2.2	0.21	2.9	1.9	53	0.5	15.2	7.6	107	0.38	0.45		2.31	34.673	26.8	8.16	7.08		
SSW28"	7/28/87		0.12	3.7	0.24	3.4	0.21	2.9	2.7	74	0.5	13.9	6.8	95	0.40	0.40		2.31	34.649	26.8	8.17	7.80		
SSW28"	8/8/87		0.12	3.7	0.19	2.7	0.21	2.9	2.5	69	0.5	15.8	7.2	101	0.40	0.40		2.31	34.690	28.2	8.21	6.68		
SSW28"	8/15/87		0.12	3.7	0.18	2.5	0.22	3.1	3.5	99	0.5	15.2	5.3	74	0.46	0.60		2.32	34.772	28.1	8.22	6.64		
SSW28"	8/21/87		0.11	3.4	0.15	2.1	0.24	3.4	2.1	58	0.5	16.1	6.4	89	0.53	0.70		2.32	34.751	27.6	8.20	6.70		
SSW28"	8/27/87		0.14	4.3	0.21	2.9	0.56	7.8	2.1	58	0.5	16.7	7.2	101	0.53	0.55		2.32	34.767	28.1	8.21	6.65		
SSW28"	9/4/87		0.14	4.3	0.21	2.9	0.24	3.4	2.6	73	0.5	16.7	5.7	80	0.55	0.65		2.32	34.764	28.5	8.23	6.85		
SSW28"	9/11/87		0.12	3.7	0.32	4.5	0.22	3.1	3.2	89	0.5	16.1	5.9	82	0.52	0.45		2.31	34.704	28.1	8.21	6.85		
SSW28"	9/18/87		0.10	3.1	0.12	1.7	0.24	3.4	1.5	42	0.4	13.0	5.4	76	0.52	0.65		2.33	34.887	27.4	8.23	6.74		
SSW28"	9/26/87		0.15	4.6	0.26	3.6	0.35	4.9	2.6	73	0.5	15.5	6.6	92	0.52	0.60		2.32	34.725	28.1	8.25	6.96		
SSW28"	10/3/87		0.11	3.4	0.21	2.9	0.27	3.8	2.6	73	0.5	14.9	5.4	76	0.51	0.65		2.33	34.902	28.2	8.28	6.80		
SSW28"	10/9/87		0.11	3.4	0.23	3.2	0.27	3.8	2.6	73	0.4	13.3	5.9	82	0.51	0.45		2.32	34.842	27.7	8.22	6.64		
SSW28"	10/16/87		0.12	3.7	0.26	3.6	0.18	2.5	1.7	47	0.5	15.2	5.0	70	0.53	0.50		2.32	34.799	27.9	8.28	6.79		
SSW28"	10/22/87		0.13	4.0	0.24	3.4	0.20	2.8	2.0	57	0.5	14.9	5.5	77	0.53	0.50		2.31	34.747	27.5	8.25	6.72		
SSW28"	10/29/87		0.15	4.6	0.35	4.9	0.32	4.5	2.4	68	0.5	14.9	5.6	79	0.50	0.50		2.32	34.817	27.7	8.24	6.92		
SSW28"	11/6/87		0.12	3.7	0.16	2.2	0.18	2.5	2.4	68	0.5	15.2	4.8	67	0.47	1.10		2.32	34.824	27.5	8.21	7.01		
SSW28"	11/13/87		0.13	4.0	0.27	3.8	0.18	2.5	3.2	88	0.5	16.4	5.9	83	0.51	1.15		2.32	34.766	27.4	8.24	6.59		
SSW28"	11/21/87		0.17	5.3	0.27	3.8	0.20	2.8	2.6	73	0.6	18.6	5.1	71	0.48	0.85		2.32	34.779	26.8	8.23	6.73		
SSW28"	11/26/87		0.15	4.6	0.30	4.2	0.23	3.2	2.2	62	0.6	18.3	4.9	69	0.47	4.50		2.31	34.765	27.2	8.25	7.28		
SSW28"	12/3/87		0.15	4.6	0.27	3.8	0.23	3.2	3.7	104	0.5	15.2	5.0	70	0.50	1.00		2.30	34.752	26.6	8.27	6.98		
SSW28"	12/12/87		0.12	3.7	0.24	3.4	0.23	3.2	2.2	62	0.5	14.2	4.8	67	0.54	1.00		2.31	34.799	27.7	8.25	7.08		
SSW28"	12/20/87		0.11	3.4	0.35	4.9	0.25	3.5	2.4	68	0.4	13.0	4.9	69	0.52	2.00		2.33	34.833	25.4	8.28	7.08		
SSW28"	12/24/87		0.13	4.0	0.57	8.0	0.32	4.5	4.3	120	0.5	14.2	5.2	73	0.52	0.10		2.23	34.774	25.3	8.27	7.17		
SSW28"	12/31/87		0.12	3.7	0.43	6.0	0.31	4.3	3.8	107	0.5	13.9	4.9	69	0.53	0.40		2.32	34.806	25.6	8.24	7.13		
SSW28"	1/13/88		0.13	4.0	0.22	3.1	0.17	2.4	1.7	47	0.5	14.9	4.8	67	0.56	0.35		2.31	34.762	25.9	8.24	6.97		
SSW28"	1/22/88		0.16	5.0	0.27	3.8	0.20	2.8	2.1	58	0.5	14.9	5.2	72	0.56	0.30		2.32	34.796	25.2	8.25	7.10		
SSW28"	1/29/88		0.13	4.0	0.27	3.8	0.17	2.4	1.7	47	0.5	16.4	4.9	69	0.56	0.55		2.32	34.820	25.2	8.28	7.07		
SSW28"	2/5/88		0.15	4.6	0.32	4.5	0.19	2.7	2.4	68	0.5	16.7	4.8	67	0.54	0.45		2.32	34.806	25.3	8.25	7.07		
SSW28"	2/12/88		0.15	4.6	0.30	4.2	0.22	3.1	2.6	73	0.5	16.7	4.6	64	0.54	0.60		2.32	34.747	25.8	8.22	7.09		
SSW28"	2/21/88		0.13	4.0	0.25	3.5	0.17	2.4	1.5	42	0.5	16.4	4.7	66	0.55	0.65		2.32	34.831	25.7	8.27	7.05		
SSW28"	2/26/88		0.19	5.9	0.35	4.9	0.20	2.8	2.8	78	0.6	17.7	4.8	68	0.54	0.95		2.30	34.577	25.6	8.27	7.17		
SSW28"	3/6/88		0.19	5.9	0.31	4.3	0.15	2.1	2.2	63	0.5	16.1	4.7	65	0.53	0.60		2.30	34.509	25.3	8.18	7.33		
SSW28"	3/11/88		0.19	5.9	0.34	4.8	0.07	1.0	3.8	106	0.4	11.2	4.9	68	0.53	0.55		2.32	34.473	25.6	8.25	7.10		
SSW28"	3/18/88		0.16	5.0	0.26	3.6	0.07	1.0	6.8	190	0.3	10.5	4.8	68	0.59	0.70		2.31	34.618	25.8	8.27	7.02		
SSW28"	3/25/88		0.18	5.6	0.34	4.8	0.07	1.0	3.6	101	0.4	10.8	6.2	87	0.55	4.70		2.32	34.642	25.5	8.26	7.35		
SSW28"	3/31/88		0.14	4.3	0.23	3.2	0.07	1.0	3.0	84	0.3	9.6	4.7	66	0.58	0.80		2.32	34.736	25.7	8.27	8.88		
SSW28"	4/8/88		0.15	4.6	0.26	3.6	0.07	1.0	2.2	62	0.3	9.9	4.8	67	0.58	0.55		2.33	34.807	25.6	8.24	7.16		
SSW28"	4/18/88		0.18	5.6	0.23	3.2	0.09	1.3	1.6	45	0.4	10.8	4.9	69	0.52	0.55		2.32	34.650	25.7	8.25	7.27		
SSW28"	4/22/88		0.19	5.9	0.18	2.5	0.14	2.0	0.8	22	0.3	9.9	4.8	67	0.53	0.60		2.33	34.627	25.6	8.29	7.38		
SSW28"	4/29/88		0.18	5.6	0.21	2.9	0.12	1.7	1.6	45	0.4	10.8	5.1	71	0.53	0.45		2.32	34.644	25.2	8.26	7.00		
SSW28"	5/6/88		0.18	5.6	0.31	4.3	0.07	1.0	1.2	34	0.4	10.8	5.2	73	0.53	1.40				25.5	8.24	7.08		
SSW28"	5/23/88		0.37	11.5	0.03	0.4	0.19	2.7			0.5	14.6	7.2	101	0.46	2.15		2.32	34.662	26.1	8.43	7.23		
SSW28"	5/28/88		0.13	4.0	0.03	0.4	0.13	1.8	2.2	62	0.3	9.9	5.4	76	0.40	2.00		2.31	34.684	25.7	8.16	7.18		
SSW28"	6/5/88		0.13	4.0	0.12	1.7	0.15	2.1	3.2	90	0.3	10.5	6.0	84	0.41	3.95		2.31	34.606	26.1	8.13	7.01		
SSW28"	6/9/88		0.12	3.7	0.29	4.1	0.32	4.5	3.8	108	0.3	9.6	5.9	83	0.41	1.20		2.31	34.602	26.4	8.12	7.20		
SSW28"	6/19/88		0.13	4.0	0.06	0.8	0.21	2.9	2.2	62	0.3	9.6	5.1	72	0.34	5.05		2.32	34.673	26.1	8.12	7.26		
SSW28"	6/24/88		0.13	4.0	0.17	2.4	0.34	4.8	1.6	45	0.3	9.6	5.6	78	0.36	1.50		2.33	34.730	25.8	8.13	7.08		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		NO_3^- & NO_2^-		NH_4^+ & NH_3		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/5/88		0.19	5.9	0.23	3.2	0.34	4.8	1.8	51	0.4	11.5	6.9	97	0.33	11.30		2.32	34.711	26.1	8.26	6.99		
SSW28"	7/28/88		0.12	3.7	0.17	2.4	0.14	2.0	2.8	80	0.4	11.2	5.0	70	0.43	1.25		2.32	34.694	26.3	8.25	6.82		
SSW28"	8/6/88		0.14	4.3	0.23	3.2	0.16	2.2	2.6	74	0.4	11.5	5.6	78	0.39	0.90		2.31	34.692	26.4	8.21	5.91		
SSW28"	8/16/88		0.14	4.3	0.42	5.9	0.11	1.5	4.3	119	0.4	11.2	5.2	73	0.36	0.75		2.31	34.621	26.7	8.22	7.31		
SSW28"	8/31/88		0.16	5.0	0.37	5.2	0.17	2.4	3.9	108	0.4	13.6	6.3	88	0.40			2.32	34.765	27.2	8.27	6.82		
SSW28"	9/2/88		0.12	3.7	0.42	5.9	0.18	2.5	1.8	51	0.3	10.2	5.4	75	0.42									
SSW28"	9/2/88		0.12	3.7	0.30	4.2	0.20	2.8	1.4	40	0.3	10.2	5.3	74	0.34									
SSW28"	9/9/88		0.20	6.2	0.38	5.3	0.23	3.2	2.3	64	0.4	12.1	5.8	82	0.48	0.65		2.32	34.802	27.3	8.24			
SSW28"	9/10/88		0.18	5.6	0.43	6.0	0.14	2.0	2.1	59	0.4	10.8	5.1	71	0.40	1.00		2.32	34.799	27.0	8.26			
SSW28"	9/15/88		0.15	4.6	0.41	5.7	0.14	2.0	2.7	76	0.3	10.2	5.0	70	0.38	1.25		2.33	34.797	27.4	7.97	7.31		
SSW28"	9/23/88		0.14	4.3	0.14	2.0	0.08	1.1	1.7	47	0.4	10.8	5.4	76	0.37	1.25		2.34	34.870	27.2	8.10	6.77		
SSW28"	9/30/88		0.16	5.0	0.57	8.0	0.21	2.9	2.3	64	0.4	11.5	6.2	86	0.32	1.45		2.33	34.843	27.4	8.14	6.77		
SSW28"	10/7/88		0.16	5.0	0.48	6.7	0.21	2.9	2.7	76	0.4	11.2	5.2	73	0.33	0.55		2.33	34.767	27.2	8.35	6.79		
SSW28"	10/14/88		0.15	4.6	0.37	5.2	0.21	2.9	1.9	53	0.4	11.2	5.1	71	0.35	0.80		2.33	34.823	27.9	8.30	6.67		
SSW28"	10/21/88		0.20	6.2	0.28	3.9	0.24	3.4	1.5	42	0.4	12.1	5.5	78	0.34	1.40		2.31	34.539	27.5	8.23	6.75		
SSW28"	10/28/88		0.21	6.5	0.24	3.4	0.27	3.8	1.1	31	0.4	12.1	5.0	69	0.35	2.55		2.31	34.447	27.8	8.22	6.67		
SSW28"	11/4/88		0.25	7.7	0.35	4.9	0.08	1.1	2.2	62	0.4	12.4	6.0	84	0.56	0.95		2.31	34.451	26.9	8.18	6.72		
SSW28"	11/9/88		0.19	5.9	0.37	5.2	0.06	0.8	1.8	50	0.4	11.2	5.1	72	0.49	0.75		2.33	34.595	27.4	8.20	6.71		
SSW28"	11/18/88		0.15	4.6	0.37	5.2	0.11	1.5	1.6	45	0.3	10.2	5.3	75	0.46	0.70		2.33	34.797	26.9	8.22	6.83		
SSW28"	11/25/88		0.20	6.2	0.41	5.7	0.03	0.4	1.8	50	0.4	11.5	5.0	70	0.41	0.70		2.32	34.588	26.5	8.22	6.85		
SSW28"	12/2/88		0.16	5.0	0.41	5.7	0.03	0.4	2.4	67	0.4	12.7	4.7	66	0.39	0.50		2.33	34.699	26.6	8.24	6.89		
SSW28"	12/9/88		0.12	3.7	0.35	4.9	0.11	1.5	1.6	45	0.3	9.0	4.2	58	0.42	0.75		2.33	34.871	26.3	8.28	6.56		
SSW28"	12/16/88		0.14	4.3	0.59	8.3	0.11	1.5	2.4	67	0.3	9.9	5.0	70	0.40	0.85		2.33	34.830	27.0	8.25	6.97		
SSW28"	12/23/88		0.15	4.6	0.43	6.0	0.06	0.8	2.2	62	0.3	9.3	4.2	59	0.37	1.05		2.32	34.734	26.2	8.26	6.97		
SSW28"	1/4/89		0.15	4.6	0.07	1.0	0.04	0.6	1.2	35	0.3	10.2	5.8	82	0.49	0.90		2.33	34.645	25.5	8.25	6.96		
SSW28"	1/12/89		0.16	5.0	0.16	2.2	0.07	1.0	1.6	46	0.3	10.5	6.1	85	0.45	0.70		2.30	34.551	25.2	8.23	6.97		
SSW28"	1/20/89		0.16	5.0	0.16	2.2	0.09	1.3	2.0	57	0.3	10.5	6.5	91	0.45	1.05		2.30	34.456	24.5	8.22	6.82		
SSW28"	1/27/89		0.18	5.6	0.25	3.5	0.09	1.3	2.6	74	0.4	11.2	6.8	95	0.46	1.05		2.30	34.398	24.5	8.24	6.90		
SSW28"	2/1/89		0.18	5.6	0.12	1.7	0.11	1.5	1.4	40	0.4	11.5	5.6	79	0.50	0.75		2.29	34.214	25.2	8.25	6.39		
SSW28"	2/7/89		0.18	5.6	0.18	2.5	0.11	1.5	2.0	57	0.4	11.5	6.2	87	0.47	0.70		2.30	34.280	25.6	8.23	6.87		
SSW28"	2/15/89		0.18	5.6	0.21	2.9	0.09	1.3	2.2	62	0.4	11.2	5.9	83	0.45	0.90		2.30	34.283	25.0	8.24	6.89		
SSW28"	2/21/89		0.18	5.6	0.14	2.0	0.09	1.3	2.2	62	0.4	11.2	6.0	84	0.48	0.75		2.31	34.308	25.2	8.26	6.73		
SSW28"	2/27/89		0.19	5.9	0.30	4.2	0.11	1.5	2.8	79	0.4	11.5	5.4	75	0.46	0.85		2.31	34.271	24.9	8.24	6.77		
SSW28"	3/6/89		0.19	5.9	0.52	7.3	0.16	2.2	2.8	79	0.3	10.5	5.8	82	0.51	0.60		2.33	34.349	25.2	8.25	7.22		
SSW28"	3/13/89		0.20	6.2	0.47	6.6	0.41	5.7	2.4	67	0.4	11.5	5.8	81	0.49	1.05		2.33	34.281	25.2	8.20	7.12		
SSW28"	3/20/89		0.19	5.9	0.28	3.9	0.09	1.3	2.0	56	0.4	10.8	5.3	74	0.47	1.55		2.33	34.397	25.5	8.24	7.03		
SSW28"	3/28/89		0.16	5.0	0.40	5.6	0.11	1.5	3.0	84	0.3	10.5	5.0	70	0.44	0.80		2.34	34.343	25.3	8.25	7.06		
SSW28"	4/4/89		0.20	6.2	0.80	11.2	0.16	2.2	3.4	95	0.4	11.5	5.9	82	0.50	0.65		2.32	34.163	25.8	8.19	6.85		
SSW28"	4/10/89		0.19	5.9	0.59	8.3	0.20	2.8	3.2	90	0.4	11.5	5.7	80	0.49	0.95		2.33	34.217	25.5	8.23	6.93		
SSW28"	4/18/89		0.19	5.9	0.42	5.9	0.20	2.8	3.4	95	0.4	11.8	6.2	87	0.43	0.75		2.33	34.238	25.2	8.24	6.96		
SSW28"	4/24/89		0.23	7.1	0.35	4.9	0.08	1.1	1.6	44	0.4	11.8	4.8	67	0.40	0.70		2.31	34.228	25.8	8.24	6.94		
SSW28"	5/1/89		0.20	6.2	0.33	4.6	0.13	1.8	2.6	72	0.3	10.5	5.4	76	0.39	0.47		2.31	34.377	25.5	8.23	7.23		
SSW28"	5/8/89		0.22	6.8	0.26	3.6	0.16	2.2	2.6	72	0.4	11.8	5.8	81	0.38	0.75		2.31	34.391	25.5	8.25	6.76		
SSW28"	5/15/89		0.19	5.9	0.28	3.9	0.08	1.1	1.6	44	0.4	11.5	6.0	84	0.40			2.32	34.426	25.7	8.25	7.00		
SSW28"	5/22/89		0.19	5.9	0.24	3.4	0.11	1.5	1.6	44	0.4	12.1	7.7	108	0.38			2.32	34.384	25.9	8.23	7.09		
SSW28"	5/30/89		0.20	6.2	0.28	3.9	0.11	1.5	2.2	61	0.4	11.8	6.6	92	0.37			2.30	34.350	26.2	8.26	7.07		
SSW28"	6/5/89		0.23	7.1	0.28	3.9	0.08	1.1	2.0	55	0.4	12.1	5.3	75	0.36			2.31	34.386	26.2	8.22	7.00		
SSW28"	6/13/89		0.22	6.8	0.33	4.6	0.05	0.7	1.8	50	0.4	11.8	4.8	67	0.37			2.32	34.405	26.2	8.23	6.94		
SSW28"	6/19/89		0.22	6.8	0.31	4.3	0.11	1.5	2.8	78	0.4	12.1	5.9	82	0.36			2.32	34.401	26.4		6.94		
SSW28"	6/26/89		0.19	5.9	0.28	3.9	0.13	1.8	2.2	61	0.4	12.7	6.4	90	0.35			2.32	34.445	26.6		7.03		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/3/89		0.20	6.2	0.17	2.4	0.10	1.4	1.9	54	0.4	12.1	4.9	69	0.37			2.32	34.500	26.4		6.96		
SSW28"	7/10/89		0.22	6.8	0.22	3.1	0.12	1.7	2.7	76	0.4	12.1	4.8	67	0.40			2.31	34.458	26.6		6.92		
SSW28"	7/17/89		0.20	6.2	0.24	3.4	0.15	2.1	2.7	76	0.4	12.4	4.8	67	0.42			2.32	34.545	26.7		7.10		
SSW28"	7/24/89		0.21	6.5	0.28	3.9	0.15	2.1	2.9	81	0.4	11.7	5.0	69	0.41			2.32	34.531	26.9	8.24	6.89		
SSW28"	8/1/89		0.21	6.5	0.54	7.6	0.19	2.7	4.6	129	0.4	12.1	5.8	81	0.40			2.31	34.418	27.5	8.25	6.83		
SSW28"	8/7/89		0.22	6.8	0.32	4.5	0.19	2.7	4.0	113	0.4	13.0	7.9	111	0.42			2.31	34.502	27.1	8.26	5.86		
SSW28"	8/14/89		0.22	6.8	0.40	5.6	0.19	2.7	2.8	78	0.4	13.3	5.4	75	0.42			2.32	34.557	27.0	8.23	5.64		
SSW28"	8/21/89		0.21	6.5	0.26	3.6	0.12	1.7	1.6	44	0.4	13.0	4.9	69	0.40			2.33	34.670		8.25	5.90		
SSW28"	8/31/89		0.18	5.6	0.44	6.2	0.10	1.4	2.9	80	0.4	11.8	5.1	72	0.49			2.30	34.636		8.25	5.93		
SSW28"	9/5/89		0.19	5.9	0.46	6.4	0.08	1.1	2.6	74	0.4	10.8	6.3	88	0.39			2.30	34.620	27.5	8.25	5.86		
SSW28"	9/11/89		0.18	5.6	0.30	4.2	0.08	1.1	2.2	63	0.4	11.8	5.8	82	0.51			2.31	34.667	26.8	8.26	5.90		
SSW28"	9/19/89		0.18	5.6	0.33	4.6	0.08	1.1	2.0	57	0.4	10.8	6.1	86	0.44			2.31	34.706	26.9	8.26	6.76		
SSW28"	9/27/89		0.18	5.6	0.30	4.2	0.08	1.1	1.8	51	0.4	11.8	5.8	82	0.48			2.34	34.700	27.2	8.25	6.86		
SSW28"	10/3/89		0.15	4.6	0.41	5.7	0.10	1.4	1.8	51	0.3	10.5	4.4	61	0.46			2.34	34.738	27.3	8.24	7.23		
SSW28"	10/9/89		0.14	4.3	0.28	3.9	0.08	1.1	2.0	57	0.3	10.2	4.3	60	0.45			2.34	34.704	27.6	8.22	7.32		
SSW28"	10/16/89		0.12	3.7	0.22	3.1	0.10	1.4	1.0	29	0.3	9.6	3.9	54	0.39			2.31	34.649	27.5	8.56	6.84		
SSW28"	10/23/89		0.14	4.3	0.37	5.2	0.10	1.4	1.6	46	0.3	10.2	4.9	69	0.49			2.33	34.682	27.3	8.25	6.80		
SSW28"	11/1/89		0.14	4.3	0.22	3.1	0.08	1.1	1.4	40	0.3	10.5	4.0	56	0.50			2.33	34.749	26.9	8.21	7.12		
SSW28"	11/9/89		0.14	4.3	0.17	2.4	0.06	0.8	1.6	46	0.3	9.3	4.4	61	0.47			2.33	34.812	26.7	8.25	6.77		
SSW28"	11/13/89		0.15	4.6	0.31	4.3	0.09	1.3	2.7	74	0.3	9.3	4.5	63	0.43			2.34	34.885	26.6	8.26	6.67		
SSW28"	11/20/89		0.14	4.3	0.21	2.9	0.13	1.8	2.2	63	0.3	9.3	5.2	72	0.43			2.33	34.541	26.9	8.26	6.99		
SSW28"	11/27/89		0.14	4.3	0.24	3.4	0.21	2.9	2.5	69	0.3	9.0	5.2	72	0.65			2.33	34.833	24.5	8.23	6.76		
SSW28"	12/7/89		0.15	4.6	0.26	3.6	0.17	2.4	2.2	63	0.3	9.3	4.9	69	0.45	0.61		2.34	34.895	26.5	8.24	6.94		
SSW28"	12/14/89		0.15	4.6	0.24	3.4	0.19	2.7	3.3	92	0.3	9.3	6.0	84	0.45	1.22		2.34	34.926	24.8	8.23	7.40		
SSW28"	12/18/98		0.14	4.3	0.21	2.9	0.21	2.9	2.5	69	0.3	9.0	4.7	65	0.44	0.10		2.33	34.921	25.5	8.24	7.62		
SSW28"	12/26/89		0.14	4.3	0.19	2.7	0.17	2.4	2.9	80	0.3	9.0	4.9	69	0.44	0.92		2.33	34.930	25.6	8.25	8.09		
SSW28"	1/4/90		0.14	4.3	0.24	3.4	0.15	2.1	2.2	63	0.3	9.0	4.6	65	0.42	0.60		2.27	34.933	25.9	8.23	7.73		
SSW28"	1/12/90		0.23	7.1	0.49	6.9	0.08	1.1	2.7	77	0.3	8.7	4.0	56	0.93	1.01		2.27	34.960	25.3	8.25	7.73		
SSW28"	1/18/90		0.23	7.1	1.88	26.3	0.23	3.2	14.7	413	0.3	8.7	5.6	78	1.12	1.01		2.26	34.881	25.7	8.23	7.63		
SSW28"	1/22/90		0.20	6.2	0.50	7.0	0.05	0.7	2.7	75	0.2	7.1	2.9	41	0.91	0.59		2.28	34.848	24.9	8.23	7.69		
SSW28"	2/1/90		0.18	5.6	0.36	5.0	0.05	0.7	2.2	61	0.2	7.4	2.7	37	1.08	0.85		2.28	34.385	25.7	8.23	7.13		
SSW28"	2/8/90		0.18	5.6	0.46	6.4	0.05	0.7	2.8	79	0.3	8.7	3.0	42	1.09	0.48		2.28	34.579	25.2	8.24	7.09		
SSW28"	2/15/90		0.20	6.2	0.45	6.3	0.05	0.7	3.2	89	0.4	12.1	3.0	42	0.97	1.01		2.28	34.561	25.6	8.24	7.17		
SSW28"	2/20/90		0.22	6.8	0.52	7.3	0.05	0.7	3.1	86	0.4	11.2	4.0	55	0.85	0.41		2.31	34.852	24.8	8.24	7.29		
SSW28"	2/26/90		0.21	6.5	0.52	7.3	0.05	0.7	3.3	93	0.3	8.7	3.8	53	1.03	0.44		2.31	34.744	24.5	8.23	7.17		
SSW28"	3/8/90		0.20	6.2	2.77	38.8	0.05	0.7	26.0	730	0.4	11.5	7.1	99	1.35	0.15		2.30	34.598	24.2	8.24	7.09		
SSW28"	3/13/90		0.21	6.5	0.52	7.3	0.05	0.7	2.9	82	0.3	9.3	3.9	55	0.94	0.30		2.30	34.628	24.8	8.23	7.12		
SSW28"	3/21/90		0.20	6.2	0.52	7.3	0.05	0.7	2.9	82	0.4	11.2	4.0	56	0.86	0.23		2.30	34.641	24.6	8.26	7.09		
SSW28"	3/27/90		0.20	6.2	0.47	6.6	0.05	0.7	2.9	82	0.5	14.2	3.4	47	0.96	0.30		2.30	34.729	24.5	8.25	7.19		
SSW28"	4/2/90		0.03	0.9	0.12	1.7	0.26	3.6	3.3	91	0.3	10.2	4.0	56	0.90	0.34		2.30	34.512	25.1	8.25	7.03		
SSW28"	4/9/90		0.05	1.5	0.17	2.4	0.23	3.2	3.1	87	0.3	9.3	4.4	61	0.94	0.19		2.30	34.549	25.1	8.24	7.01		
SSW28"	4/16/90		0.01	0.3	0.02	0.2	0.15	2.1	2.4	68	0.4	11.2	4.2	58	1.07	0.42		2.28	34.665	25.5	8.28	6.97		
SSW28"	4/23/90		0.17	5.3	0.20	2.8	0.01	0.1	1.5	41	0.5	15.5	5.8	81	2.31	0.33		2.27	34.480	25.8	8.25	6.32		
SSW28"	4/30/90		0.16	5.0	0.23	3.2	0.01	0.1	1.5	41	0.5	14.6	6.8	96	1.21	0.19		2.29	34.749	25.8	8.23	6.44		
SSW28"	5/7/90		0.16	5.0	0.24	3.4	0.09	1.3	2.4	68	0.5	13.9	5.9	83	0.96	0.52		2.28	34.679	26.1	8.28	6.39		
SSW28"	5/14/90		0.16	5.0	0.29	4.1	0.09	1.3	1.9	54	0.5	14.6	6.8	96	0.93	0.70		2.29	34.769	25.8	8.26	6.47		
SSW28"	5/21/90		0.16	5.0	0.26	3.6	0.18	2.5	2.6	72	0.5	14.6	6.5	90	0.96	0.54		2.29	34.759	25.2	8.32	6.82		
SSW28"	5/29/90		0.16	5.0	0.25	3.5	0.18	2.5	2.0	56	0.5	16.1	6.3	89		1.06		2.29	34.649	26.3	8.30	6.85		
SSW28"	6/4/90		0.16	5.0	0.29	4.1	0.27	3.8	2.1	60	0.5	14.6	7.0	98	2.90	0.69		2.29	34.706	25.9	8.30	6.76		
SSW28"	6/11/90		0.03	0.9	0.14	2.0	0.37	5.2	1.9	53	0.1	1.9	9.8	138	3.41	1.40		2.27	34.659	26.1	8.32	6.64		
SSW28"	6/18/90		0.08	2.5	0.24	3.4	0.37	5.2	3.0	83	0.1	3.4	2.6	36	7.54	0.12		2.28	34.627	26.2	8.31	6.44		
SSW28"	6/25/90		0.05	1.5	0.22	3.1	0.44	6.2	2.3	63	0.1	3.4	3.1	43	1.00	0.89		2.29	34.688	26.4	8.31	6.57		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/2/90		0.08	2.5	0.17	2.4	0.37	5.2	1.9	53	0.1	3.4	3.3	46	2.66	0.37		2.29	34.734	26.3	8.29	6.60		
SSW28"	7/6/90		0.08	2.5	0.20	2.8	0.40	5.6	2.6	73	0.1	4.0	3.3	46	1.06	0.53		2.30	34.744	26.0	8.30	6.60		
SSW28"	7/13/90		0.10	3.1	0.14	2.0	0.44	6.2	2.0	57	0.1	3.4	2.9	41	1.18	0.51		2.30	34.714	26.4	8.29	6.76		
SSW28"	7/23/90		0.08	2.5	0.11	1.5	0.37	5.2	2.3	63	0.1	3.4	3.7	52	3.27	0.53		2.31	34.727	26.8	8.30	6.44		
SSW28"	7/30/90		0.05	1.5	0.14	2.0	0.37	5.2	1.8	52	0.1	4.0	5.7	80	1.95	0.32		2.30	34.700	27.5	8.27	6.39		
SSW28"	8/6/90		0.10	3.1	0.20	2.8	0.59	8.3	1.8	50	0.4	13.6	3.4	47	3.62	0.32		2.31	34.686	27.7	8.29	6.33		
SSW28"	8/13/90		0.14	4.3	0.20	2.8	0.43	6.0	2.0	55	0.4	13.0	3.1	43	1.04	0.49		2.31	34.751	27.4	8.28	6.43		
SSW28"	8/20/90		0.09	2.8	0.15	2.1	0.51	7.1	1.8	50	0.4	13.0	3.4	48	1.42	0.58		2.30	34.735	27.6	8.29	6.55		
SSW28"	8/27/90		0.09	2.8	0.20	2.8	0.43	6.0	2.1	60	0.4	11.8	2.7	38	2.57	0.61		2.31	34.735	27.9	8.28	6.40		
SSW28"	9/4/90		0.13	4.0	0.33	4.6	0.51	7.1	3.1	87	0.4	13.0	2.8	39	2.13	0.72		2.32	34.764	28.1	8.27	6.71		
SSW28"	9/10/90		0.14	4.3	0.20	2.8	0.59	8.3	4.0	113	0.4	13.0	2.7	38	0.85	0.69		2.31	34.789	27.9	8.29	7.39		
SSW28"	9/17/90		0.14	4.3	0.25	3.5	0.51	7.1	2.2	63	0.4	13.6	4.0	56	1.20	0.62		2.32	34.756	28.4	8.26	6.64		
SSW28"	9/24/90		0.13	4.0	0.23	3.2	0.51	7.1	2.4	66	0.4	12.1	3.7	51	1.36	0.74		2.32	34.770	28.3	8.28	6.46		
SSW28"	10/1/90		0.13	4.0	0.23	3.2	0.51	7.1	1.8	50	0.5	13.9	3.9	55	1.07	0.81		2.26	34.790	27.9	8.28	6.57		
SSW28"	10/10/90		0.14	4.3	0.25	3.5	0.75	10.5	2.5	69	0.4	11.8	3.7	51	0.94	0.58		2.26	34.786	27.9	8.29	6.40		
SSW28"	10/15/90		0.18	5.6	0.67	9.4	1.23	17.2	2.5	69	0.5	13.9	4.0	56	1.04	0.69		2.26	34.779	28.0	8.24	6.16		
SSW28"	10/22/90		0.09	2.8	0.20	2.8	0.43	6.0	2.7	77	0.4	13.0	3.3	47	3.03	0.65		2.25	34.846	27.4	8.27	6.54		
SSW28"	10/29/90		0.10	3.1	0.42	5.9	0.15	2.2	3.6	100	0.2	5.0	5.0	70	2.60	0.77		2.25	34.899	27.2	8.27	6.23		
SSW28"	11/5/90		0.08	2.5	0.17	2.4	0.08	1.1	2.1	58	0.1	3.4	3.8	54	1.02	0.75		2.26	34.882	27.4	8.27	6.36		
SSW28"	11/13/90		0.05	1.5	0.12	1.7	0.26	3.6	2.5	70	0.3	9.3	3.4	47	1.18	0.67		2.26	34.990	26.4	8.25	6.23		
SSW28"	11/20/90		0.05	1.5	0.12	1.7	0.26	3.6	2.8	78	0.3	10.2	3.4	47	1.21	1.11		2.26	34.968	25.9	8.28	6.36		
SSW28"	11/28/90		0.05	1.5	0.26	3.6	0.26	3.6	3.6	101	0.3	10.2	3.3	47	0.94	2.90		2.27	34.861	26.2	8.30	6.28		
SSW28"	12/3/90		0.07	2.2	0.12	1.7	0.20	2.8	4.4	124	0.4	11.2	2.9	40	0.98	0.91		2.28	34.657	26.5	8.29	6.34		
SSW28"	12/11/90		0.09	2.8	0.12	1.7	0.26	3.6	5.9	165	0.4	11.2	3.0	42	1.02	0.44		2.28	34.631	26.4	8.26	6.41		
SSW28"	12/17/90		0.09	2.8	0.16	2.2	0.26	3.6	3.6	101	0.4	11.2	3.0	42	0.82	1.05		2.29	34.782	26.4	8.28	6.56		
SSW28"	12/28/90		0.11	3.4	0.14	2.0	0.13	1.8	2.7	76	0.4	12.4	4.8	67	0.91	1.08		2.29	34.666	25.4	8.29	6.41		
SSW28"	1/2/91		0.08	2.5	0.09	1.3	0.16	2.2	2.2	62	0.4	12.4	3.2	45	1.05	0.76		2.28	34.740	25.6	8.31	6.57		
SSW28"	1/7/91		0.14	4.3	0.20	2.8	0.18	2.5	2.3	64	0.4	11.2	3.1	43	0.95	0.90		2.28	34.707	25.5	8.31	6.59		
SSW28"	1/14/91		0.11	3.4	0.09	1.3	0.16	2.2	2.1	58	0.5	14.2	3.3	46	0.97	0.97		2.28	34.710	25.1	8.29	6.62		
SSW28"	1/24/91		0.06	2.0	0.23	3.2	0.35	4.9	2.4	68	0.3	8.4	2.9	41	1.45	1.12		2.28	34.741	25.1	8.31	6.60		
SSW28"	1/28/91		0.08	2.5	0.23	3.2	0.38	5.3	2.0	56	0.2	7.1	2.9	41	0.90	0.83		2.25	34.794	24.9	8.30	6.86		
SSW28"	2/4/91		0.06	1.9	0.10	1.4	0.38	5.3	2.3	64	0.3	9.9	3.1	44	0.96	0.89		2.25	34.744	25.1	8.30	6.77		
SSW28"	2/11/91		0.10	3.0	0.26	3.6	0.38	5.3	3.0	83	0.3	9.9	3.7	52	1.56	0.15		2.24	34.748	25.2	8.30	6.83		
SSW28"	2/19/91		0.10	3.1	0.21	2.9	0.38	5.3	2.6	74	0.2	7.4	3.5	49	1.11	0.56		2.25	34.801	25.2	8.31	6.76		
SSW28"	2/25/91		0.14	4.3	0.33	4.6	0.45	6.3	3.4	96	0.2	7.4	3.1	43	0.97	0.29		2.25	34.774	25.0	8.29	6.73		
SSW28"	3/4/91		0.14	4.3	0.33	4.6	0.38	5.3	3.3	91	0.2	7.4	3.3	46	0.96	1.51		2.26	34.820	24.9	8.29	6.86		
SSW28"	3/11/91		0.12	3.7	0.36	5.0	0.40	5.6	2.9	81	0.3	8.7	3.4	47	0.98	0.43		2.26	34.837	24.8	8.28	6.69		
SSW28"	3/18/91		0.12	3.7	0.39	5.5	0.38	5.3	2.6	74	1.4	43.1	3.5	48	0.87	0.25		2.25	34.801	23.6	8.27	9.68		
SSW28"	3/27/91		0.14	4.3	0.39	5.5	0.35	4.9	2.6	72	0.2	7.1	2.9	41	0.89	0.04		2.24	34.738	24.7	8.28	11.10		
SSW28"	4/1/91		0.12	3.7	0.33	4.6	0.35	4.9	2.3	64	0.3	8.7	4.0	56	1.21	0.04		2.24	34.769	24.5	8.27	10.91		
SSW28"	4/8/91		0.09	2.8	0.19	2.7	0.45	6.3	3.1	88	0.2	6.8	2.8	39	1.18	0.19		2.38	34.729	24.8	8.28	6.62		
SSW28"	4/15/91		0.09	2.8	0.19	2.7	0.45	6.3	3.4	96	0.3	8.4	3.1	43	0.99	0.37		2.38	34.645	25.3	8.27	21.72		
SSW28"	4/23/91		0.09	2.8	0.14	2.0	0.48	6.7	2.7	76	0.3	9.3	3.0	43	0.93	0.19		2.37	34.589	24.9	8.27	12.43		
SSW28"	4/29/91		0.09	2.8	0.19	2.7	0.43	6.0	2.1	59	0.3	8.4	2.6	36	0.93	0.13		2.38	34.642	25.1	8.29	14.23		
SSW28"	5/6/91		0.09	2.8	0.19	2.7	0.40	5.6	3.0	84	0.3	8.7	3.0	43	1.02	0.32		2.37	34.630	25.4	8.30	6.61		
SSW28"	5/8/91																					6.45		
SSW28"	5/13/91		0.09	2.8	0.19	2.7	0.39	5.5	2.4	67	0.3	8.7	2.7	38	1.20	0.32		2.38	34.661	25.3	8.30	6.77		
SSW28"	5/20/91		0.09	2.8	0.06	0.8	0.50	7.0	1.7	48	0.4	11.2	3.3	46	1.18	0.49		2.37	34.508	26.0	8.30	6.75		
SSW28"	5/28/91		0.07	2.2	0.17	2.4	0.21	2.9	2.3	65	0.3	10.5	4.3	60	1.04	0.30		2.38	34.590	25.5	8.30	6.64		
SSW28"	6/4/91		0.07	2.2	0.17	2.4	0.24	3.4	3.1	87	0.3	10.5	4.3	60	1.15	0.31		2.37	34.578	26.1	8.30	6.64		
SSW28"	6/10/91		0.06	1.9	0.19	2.7	0.18	2.5	10.8	303	0.3	10.5	3.6	50	0.98	0.47		2.39	34.619	25.9	8.28	6.69		
SSW28"	6/17/91		0.06	1.9	0.21	2.9	0.26	3.6	2.9	82	0.3	9.6	3.6	50	0.94	0.76		2.31	34.633	26.1	8.27	6.58		
SSW28"	6/24/91		0.07	2.2	0.21	2.9	0.21	2.9	3.7	104	0.3	10.5	2.6	37	1.05	0.22		2.32	34.674	25.9	8.27	6.81		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/1/91		0.11	3.4	1.57	22.0	0.40	5.6	18.3	514	0.4	13.6	3.0	41	1.05	0.23		2.31	34.666	26.1	8.27	6.77		
SSW28"	7/9/91		0.07	2.2	0.29	4.1	0.26	3.6	3.5	99	0.4	11.2	5.1	72	0.98	0.50		2.33	34.643	26.8	8.27	6.65		
SSW28"	7/16/91		0.05	1.5	0.16	2.2	0.22	3.1	2.5	69	0.2	7.4	2.3	32	1.05	0.74		2.34	34.706	26.4	8.28	6.70		
SSW28"	7/22/91		0.08	2.5	0.12	1.7	0.22	3.1	4.1	115	0.3	9.0	2.4	34	1.10	0.64		2.33	34.690	26.4	8.28	6.68		
SSW28"	7/26/91		0.08	2.5	0.09	1.3	0.22	3.1	2.0	56	0.3	9.3	2.6	36	0.96	0.50		2.33	34.646	26.3	8.27	6.74		
SSW28"	8/5/91		0.08	2.5	0.09	1.3	0.25	3.5	1.9	52	0.3	9.0	2.2	30	0.85	0.26		2.33	34.650	26.4	8.25	6.75		
SSW28"	8/15/91		0.12	3.7	0.21	2.9	0.34	4.8	2.3	65	0.3	10.5	3.9	55	1.11	0.42		2.33	34.654	26.5	8.28	6.69		
SSW28"	8/21/91		0.06	1.9	0.07	1.0	0.33	4.6	3.5	97	0.2	5.9	5.9	83	0.87	0.04		2.33	34.606	27.1	8.29	6.55		
SSW28"	8/27/91		0.05	1.5	0.54	7.6	0.15	2.1	4.0	113	0.2	7.1	5.6	79	1.06	0.18		2.33	34.628	27.0	8.28	6.57		
SSW28"	9/6/91		0.08	2.5	0.27	3.8	0.68	9.5	2.5	69	0.2	5.3	4.0	56	0.99	0.13		2.33	34.678	26.8	8.26	6.55		
SSW28"	9/13/91		0.03	0.9	0.27	3.8	0.28	3.9	2.9	81	0.2	7.1	2.8	39	0.93	0.28		2.34	34.813	26.7	8.27	6.34		
SSW28"	9/18/91		0.05	1.5	0.27	3.8	0.42	5.9	3.2	89	0.2	5.3	3.2	44	0.95	0.54		2.34	34.832	26.9	8.29	6.39		
SSW28"	9/25/91		0.02	0.6	0.20	2.8	0.19	2.7	2.3	65	0.2	5.9	3.0	41	1.07	0.45		2.35	34.839	27.1	8.24	6.75		
SSW28"	10/1/91		0.05	1.5	0.27	3.8	0.37	5.2	3.5	97	0.2	7.1	3.5	49	0.95	0.31		2.34	34.725	26.8	8.25	6.40		
SSW28"	10/9/91		0.11	3.4	0.23	3.2	0.14	2.0	2.2	60	0.3	9.0	4.1	58	1.39	0.34		2.35	34.737	26.9	8.23	7.44		
SSW28"	10/25/91		0.05	1.5	0.18	2.5	0.10	1.4	2.8	79	0.3	9.6	3.1	44	1.74	0.47		2.34	34.773	27.2	8.25	6.46		
SSW28"	11/4/91		0.03	0.9	0.32	4.5	0.18	2.5	2.5	69	0.3	8.7	4.4	62	1.29	0.13		2.34	34.777	27.4	8.25	6.55		
SSW28"	11/8/91		0.03	0.9	0.26	3.6	0.20	2.8	2.6	73	0.3	10.5	3.7	52	1.40	0.58		2.34	34.736	27.1	8.27	6.50		
SSW28"	11/14/91		0.07	2.2	0.21	2.9	0.19	2.7	2.0	55	0.3	9.3	3.3	47	0.95	0.33		2.34	34.815	26.8	8.26	6.47		
SSW28"	11/22/91		0.07	2.2	0.34	4.8	0.21	2.9	5.3	148	0.3	10.2	3.2	44	1.01	0.20		2.35	34.854	26.7	8.26	6.52		
SSW28"	11/29/91		0.09	2.8	0.39	5.5	0.25	3.5	12.3	345	0.3	10.2	3.1	43	0.96	0.28		2.29	34.795	26.6	8.27	6.45		
SSW28"	12/6/91		0.07	2.2	0.17	2.4	0.29	4.1	2.2	60	0.4	10.8	3.0	42	0.96	0.25		2.30	34.852	26.4	8.26	6.61		
SSW28"	12/12/91		0.14	4.3	3.94	55.2	0.29	4.1	37.4	1050	0.4	12.1	6.9	96	1.02	0.25		2.30	34.851	26.1	8.26	6.56		
SSW28"	12/19/91		0.09	2.8	0.26	3.6	0.27	3.8	2.4	66	0.3	10.2	4.1	57	0.99	0.06		2.29	34.784	25.9	8.26	6.70		
SSW28"	12/23/91		0.11	3.4	0.63	8.8	0.43	6.0	4.0	112	0.3	9.6	7.6	106	0.97	0.11		2.29	34.666	25.9	8.25	6.57		
SSW28"	1/3/92		0.10	3.1	0.63	8.8	0.38	5.3	1.8	49	0.3	9.6	6.7	94	1.67	0.19		2.29	34.691	25.3	8.28	6.65		
SSW28"	1/10/92		0.08	2.5	0.63	8.8	0.38	5.3	2.3	66	0.3	9.6	6.7	94	1.08	0.89		2.29	34.740	24.9	8.30	6.71		
SSW28"	1/16/92		0.11	3.4	0.85	11.9	0.38	5.3	2.9	82	0.3	9.6	6.6	92	0.99	0.17		2.29	34.793	24.6	8.29	7.02		
SSW28"	1/22/92		0.12	3.7	0.15	2.1	0.23	3.2	2.6	74	0.3	9.9	3.3	46	1.04	0.23		2.29	34.809	24.4	8.32	6.79		
SSW28"	1/30/92		0.15	4.6	0.44	6.2	0.23	3.2	3.5	98	0.3	9.9	4.1	58	1.60	0.02		2.29	34.508	24.6	8.27	6.94		
SSW28"	2/6/92		0.14	4.3	0.20	2.8	0.21	2.9	2.3	65	0.3	9.6	3.3	46	1.29	0.44		2.30	34.701	24.2	8.29	6.87		
SSW28"	2/14/92		0.11	3.4	0.24	3.4	0.36	5.0	4.3	121	0.4	12.1	3.5	48	0.96	0.33		2.30	34.692	24.4	8.27	6.76		
SSW28"	2/20/92		0.14	4.3	0.24	3.4	0.31	4.3	4.1	116	0.4	12.4	3.5	49	0.87	0.30		2.30	34.674	24.5	8.26	6.84		
SSW28"	2/27/92		0.14	4.3	0.24	3.4	0.36	5.0	2.6	74	0.3	10.2	3.2	44	0.94	0.07		2.30	34.609	24.1	8.26	6.84		
SSW28"	3/5/92		0.08	2.5	0.09	1.3	0.35	4.9	3.7	104	0.3	9.9	5.1	71	1.12	0.23		2.30	34.659	24.8	8.27	6.95		
SSW28"	3/12/92		0.15	4.6	0.09	1.3	0.31	4.3	2.2	63	0.3	9.9	4.0	56	1.08	0.12		2.27	34.185	24.9	8.26	6.85		
SSW28"	3/20/92		0.12	3.7	0.09	1.3	0.31	4.3	2.6	72	0.3	10.2	4.8	67	1.14	0.08		2.28	34.399	24.2	8.25	6.73		
SSW28"	3/25/92		0.15	4.6	0.09	1.3	0.40	5.6	2.6	72	0.3	10.2	3.6	50	0.99	0.14		2.29	34.591	24.4	8.27	6.79		
SSW28"	4/2/92		0.12	3.7	0.06	0.8	0.31	4.3	2.1	58	0.4	10.8	4.3	61	1.25	0.49		2.29	34.571	24.7	8.27	6.80		
SSW28"	4/9/92		0.15	4.6	0.34	4.8	0.33	4.6	2.6	72	0.3	9.9	4.7	65	1.22	0.29		2.27	34.603	24.5	8.26	6.73		
SSW28"	4/21/92		0.08	2.5	0.24	3.4	0.44	6.2	2.7	76	0.3	9.3	5.4	75	1.39	0.30		2.26	34.481	25.3	8.25	6.52		
SSW28"	4/24/92		0.07	2.2	0.16	2.2	0.42	5.9	1.7	49	0.3	9.3	5.4	75	1.24	0.17		2.26	34.452	25.2	8.26	6.60		
SSW28"	5/1/92		0.08	2.5	0.24	3.4	0.49	6.9	2.7	76	0.3	9.3	5.7	80	1.50	1.05		2.26	34.497	25.5	8.25	6.84		
SSW28"	5/7/92		0.08	2.5	0.24	3.4	0.44	6.2	3.0	84	0.3	9.3	6.4	90	1.69	0.68		2.25	34.527	25.5	8.26	6.81		
SSW28"	5/15/92		0.08	2.5	0.41	5.7	0.64	9.0	4.1	116	0.3	9.9	8.1	113	1.51	0.35		2.26	34.514	25.6	8.23	6.71		
SSW28"	5/21/92		0.08	2.5	0.24	3.4	0.44	6.2	2.2	61	0.3	9.3	7.0	98	1.44	0.12		2.26	34.563	26.4	8.23	6.73		
SSW28"	5/29/92		0.04	1.1	0.24	3.4	0.53	7.4	2.3	65	0.4	10.8	6.4	90	1.63	0.18		2.26	34.585	25.5	8.26	6.81		
SSW28"	6/4/92		0.05	1.5	0.33	4.6	0.42	5.9	1.9	53	0.4	12.7	9.1	127	1.61	0.26		2.26	34.625	26.2	8.24	6.81		
SSW28"	6/9/92		0.08	2.5	0.03	0.4	0.43	6.0	2.3	65	0.5	16.4	4.8	67	1.46	0.12		2.26	34.585	26.0	8.25	6.87		
SSW28"	6/19/92		0.13	4.0	0.15	2.1	0.67	9.4	2.0	57	0.4	11.2	4.8	67	1.44	0.40		2.28	34.555	26.6	8.25	6.70		
SSW28"	6/25/92		0.19	5.9	0.31	4.3	1.56	21.9	2.4	67	0.2	7.4	3.9	55	1.34	0.41		2.29	34.656	26.2	8.25	6.83		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/2/92		0.20	6.2	0.39	5.5	0.66	9.3	2.9	80	0.3	9.6	7.0	98	1.20	0.29		2.28	34.558	27.1	8.25	6.64		
SSW28"	7/9/92		0.23	7.2	0.27	3.7	0.57	8.0	1.4	40	0.2	7.5	4.3	60	1.16	0.12		2.30	34.643	26.9	8.26	6.69		
SSW28"	7/16/92		0.13	4.1	0.27	3.7	0.48	6.7	1.3	36	0.4	11.1	5.3	74	1.10	0.20		2.31	34.633	27.5	8.26	6.52		
SSW28"	7/23/92		0.13	4.1	0.27	3.7	0.44	6.1	1.3	36	0.4	11.6	4.3	60	1.11	0.06		2.31	34.624	27.8	8.26	6.54		
SSW28"	7/31/92		0.08	2.5	0.20	2.9	0.25	3.5	1.5	42	0.4	12.1	4.7	66	1.15	0.04		2.30	34.630	27.4	8.21	6.59		
SSW28"	8/6/92		0.08	2.5	0.38	5.3	0.25	3.5	2.2	61	0.3	9.9	4.3	60	1.11	0.23		2.31	34.661	27.5	8.27	6.45		
SSW28"	8/14/92		0.08	2.5	0.27	3.8	0.25	3.5	1.5	42	0.3	9.6	4.0	55	1.27	0.18		2.31	34.616	27.0	8.27	6.60		
SSW28"	8/20/92		0.08	2.5	0.34	4.8	0.23	3.2	2.7	76	0.3	9.6	4.1	57	1.34	0.47		2.31	34.667	27.2	8.27	6.57		
SSW28"	8/27/92		0.08	2.5	0.31	4.3	0.25	3.5	2.0	56	0.3	9.0	4.4	61	1.21	0.16		2.33	34.707	27.3	8.24	6.60		
SSW28"	9/3/92		0.08	2.5	0.24	3.3	0.25	3.5	3.6	100	0.3	9.6	5.2	73	1.45	0.25		2.31	34.696	27.2	8.27	6.51		
SSW28"	9/10/92		0.08	2.5	0.24	3.3	0.30	4.2	1.8	50	0.4	12.1	5.9	82	1.17	0.26		2.31	34.663	27.8	8.26	6.46		
SSW28"	9/17/92		0.13	4.0	0.33	4.6	0.49	6.9	3.2	90	0.4	13.0	6.3	89	1.25	0.14		2.30	34.608	27.5	8.27	6.28		
SSW28"	9/25/92		0.20	6.2	0.25	3.5	0.44	6.2	3.0	85	0.4	13.0	7.5	105	1.36	0.22		2.30	34.589	27.8	8.26	6.26		
SSW28"	10/1/92		0.17	5.3	0.18	2.5	0.46	6.4	1.7	48	0.4	12.7	5.9	82	1.38	0.18		2.30	34.644	27.6	8.28	6.43		
SSW28"	10/8/92		0.17	5.3	0.22	3.1	0.44	6.2	2.1	58	0.4	12.7	7.5	105	1.02	0.03		2.30	34.642	27.7	8.28	6.28		
SSW28"	10/16/92		0.17	5.3	0.18	2.5	0.51	7.1	2.4	67	0.4	12.7	7.2	101	0.96	0.30		2.30	34.665	27.8	8.28	6.48		
SSW28"	10/22/92		0.15	4.6	1.46	20.4	0.82	11.5	1.5	42	0.4	13.6	6.5	91	1.12	0.51		2.30	34.558	27.2	8.27	6.02		
SSW28"	10/29/92		0.08	2.5	0.13	1.8	0.53	7.4	1.7	49	0.4	11.8	4.6	64	1.08	0.21		2.30	34.653	27.8	8.26	6.53		
SSW28"	11/5/92		0.10	3.1	0.25	3.5	0.55	7.7	1.8	51	0.4	11.8	5.2	73	1.11	0.18		2.30	34.682	26.9	8.29	6.55		
SSW28"	11/12/92		0.10	3.1	0.23	3.2	0.50	7.0	2.2	61	0.5	15.2	4.4	62	1.06	0.15		2.31	34.680	27.2	8.28	6.55		
SSW28"	11/19/92		0.13	4.0	0.24	3.4	0.65	9.1	3.2	90	0.3	9.9	4.2	59	1.21	0.19		2.31	34.701	26.8	8.26	6.50		
SSW28"	11/25/92		0.14	4.3	0.25	3.5	0.67	9.4	3.1	87	0.4	11.5	4.9	69	1.23	0.10		2.31	34.725	26.1	8.27	6.56		
SSW28"	12/3/92		0.10	3.1	0.23	3.2	0.44	6.2	2.3	63	0.4	11.8	5.0	69	1.12	0.03		2.30	34.689	26.7	8.26	6.09		
SSW28"	12/10/92		0.09	2.8	0.22	3.1	0.41	5.7	2.7	76	0.3	10.5	5.3	74	1.07	0.74		2.30	34.726	26.5	8.28	6.82		
SSW28"	12/17/92		0.10	3.1	0.22	3.1	0.47	6.6	2.5	71	0.4	11.5	5.5	77	1.09	0.26		2.30	34.691	26.2	8.26	6.72		
SSW28"	12/23/92		0.09	2.8	0.24	3.4	0.50	7.0	2.8	79	0.4	12.1	5.2	72	1.22	0.22		2.30	34.708	25.9	8.29	6.69		
SSW28"	12/30/92		0.11	3.4	0.14	2.0	0.69	9.7			0.5	16.1	5.3	74	1.21	0.15		2.30	34.729	25.7	8.29	6.75		
SSW28"	1/7/93		0.12	3.7	0.23	3.2	0.43	6.0	3.9	108	0.3	9.9	4.5	62	1.11	0.12		2.30	34.685	25.1	8.29	6.95		
SSW28"	1/14/93		0.08	2.5	0.19	2.7	0.41	5.7	2.4	68	0.3	8.1	4.7	66	1.11	0.20		2.31	34.744	24.6	8.26	7.10		
SSW28"	1/21/93		0.08	2.5	0.19	2.7	0.53	7.4	1.9	54	0.3	8.1	4.2	59	1.19	0.24		2.30	34.749	24.9	8.28	6.92		
SSW28"	1/28/93		0.06	1.9	0.12	1.7	0.43	6.0	2.8	78	0.2	6.2	4.4	61	1.14	0.34		2.31	34.764	24.6	8.29	7.04		
SSW28"	2/3/93		0.08	2.5	0.17	2.4	0.33	4.6	1.7	46	0.2	6.2	4.3	60	1.02	0.17		2.31	34.738	24.7	8.28	7.09		
SSW28"	2/11/93		0.11	3.4	0.23	3.2	0.21	2.9	2.6	74	0.3	7.7	4.9	68	0.97	0.24		2.31	34.735	24.3	8.28	6.94		
SSW28"	2/16/93		0.15	4.6	0.27	3.8	0.37	5.2	2.8	79	0.2	6.2	4.0	55	1.07	0.18		2.31	34.766	24.3	8.30	7.02		
SSW28"	2/25/93		0.08	2.5	0.23	3.2	0.11	1.5	3.6	102	0.2	6.2	5.4	76	1.17	0.46		2.31	34.725	24.2	8.29	7.12		
SSW28"	3/3/93		0.08	2.5	0.30	4.2	0.18	2.5	3.0	85	0.2	5.6	3.9	55	1.28	1.12		2.31	34.738	24.1	8.28	7.03		
SSW28"	3/11/93		0.12	3.7	0.12	1.7	0.28	3.9	2.5	70	0.2	6.8	4.7	66	1.07	0.47		2.31	34.761	24.3	8.29	6.81		
SSW28"	3/18/93		0.15	4.6	0.22	3.1	0.43	6.0	3.2	89	0.2	4.6	4.4	61	1.03	0.04		2.32	34.779	24.4	8.29	7.28		
SSW28"	3/24/93		0.14	4.3	0.11	1.5	0.35	4.9	2.3	64	0.2	7.1	5.3	75	1.04	0.08		2.32	34.764	25.1	8.28	6.97		
SSW28"	4/1/93		0.09	2.8	0.13	1.8	0.16	2.2	2.0	55	0.2	7.1	5.2	72	1.03	0.07		2.30	34.605	24.5	8.28	6.73		
SSW28"	4/7/93		0.12	3.7	0.15	2.1	0.12	1.7	1.9	54	0.3	9.0	4.8	67	1.03	0.59		2.30	34.555	24.9	8.31	7.45		
SSW28"	4/15/93		0.09	2.8	0.10	1.4	0.14	2.0	1.8	50	0.3	8.4	4.0	56	1.00	0.17		2.31	34.698	25.0	8.29	6.94		
SSW28"	4/22/93		0.11	3.4	0.09	1.3	0.16	2.2	2.8	78	0.3	9.0	4.3	60	1.00	0.26		2.30	34.598	25.1	8.28	6.94		
SSW28"	4/29/93		0.11	3.4	0.10	1.4	0.20	2.8	2.9	82	0.3	8.4	3.8	54	1.12	0.01		2.30	34.440	25.6	8.27	6.80		
SSW28"	5/6/93		0.10	3.1	0.09	1.3	0.28	3.9	2.4	68	0.3	9.0	4.5	64	1.07	0.12		2.31	34.661	25.3	8.29	6.93		
SSW28"	5/13/93		0.13	4.0	0.19	2.7	0.28	3.9	4.8	133	0.3	8.1	5.0	70	0.94	0.30		2.30	34.559	25.4	8.26	6.82		
SSW28"	5/18/93		0.16	5.0	0.15	2.1	0.28	3.9	2.6	74	0.3	10.5	4.1	57	0.93	0.18		2.29	34.396	25.4	8.28	6.80		
SSW28"	5/27/93		0.14	4.3	0.12	1.7	0.25	3.5	2.4	67	0.4	11.2	4.3	60	0.98	0.22		2.30	34.448	25.6	8.27	7.12		
SSW28"	6/1/93		0.11	3.4	0.10	1.4	0.29	4.1	2.3	64	0.2	6.8	5.2	73	1.00	0.24		2.30	34.481	25.6	8.28	6.87		
SSW28"	6/8/93		0.10	3.1	0.23	3.2	0.38	5.3	4.0	113	0.3	8.1	4.6	64	0.98	0.28		2.30	34.540	26.4	8.27	6.71		
SSW28"	6/16/93		0.10	3.1	0.12	1.7	0.31	4.3	2.1	58	0.3	8.4	3.6	51	1.00	0.19		2.30	34.585	26.3	8.26	6.72		
SSW28"	6/24/93		0.09	2.8	0.10	1.4	0.31	4.3	1.5	43	0.3	8.4	4.9	68	1.05	0.22		2.31	34.643	25.8	8.28	6.74		
SSW28"	6/30/93		0.11	3.4	0.46	6.4	0.37	5.2	5.8	163	0.3	9.9	4.5	64	1.11	0.29		2.30	34.490	26.2	8.25	6.58		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/6/93		0.13	4.0	0.46	6.4	0.36	5.0	2.5	70	0.3	8.7	6.0	83	0.95	0.19		2.31	34.495	26.5	8.27	6.64		
SSW28"	7/12/93		0.12	3.7	0.19	2.7	0.48	6.7	2.1	59	0.3	8.1	4.7	66	1.01	0.19		2.31	34.643	26.1	8.28	6.70		
SSW28"	7/19/93		0.09	2.8	0.22	3.1	0.30	4.2	2.4	68	0.3	8.7	4.6	64	1.05	0.23		2.31	34.603	26.8	8.28	6.68		
SSW28"	7/30/93		0.12	3.7	0.12	1.7	0.41	5.7	2.2	62	0.3	10.5	1.7	24	0.95	0.22		2.32	34.595	26.3	8.28	7.08		
SSW28"	8/4/93		0.06	1.9	0.17	2.4	0.28	3.9	2.9	81	0.2	6.5	3.9	54	1.06	1.28		2.32	34.619	26.1	8.25	6.55		
SSW28"	8/10/93		0.09	2.8	0.17	2.4	0.25	3.5	2.6	73	0.3	8.7	3.9	55	1.04	0.47		2.32	34.571	26.7	8.26	7.00		
SSW28"	8/18/93		0.12	3.7	0.23	3.2	0.44	6.2	2.2	62	0.3	10.2	3.8	53	1.05	0.21		2.31	34.565	26.7	8.26	6.81		
SSW28"	8/25/93		0.08	2.5	0.16	2.2	0.27	3.8	2.8	79	0.3	8.4	4.8	67	1.08	0.17		2.32	34.574	27.4	8.27	6.51		
SSW28"	9/2/93		0.12	3.7	0.16	2.2	0.41	5.7	1.9	53	0.3	9.3	5.2	72	1.09	0.08		2.32	34.555	27.5	8.26	6.47		
SSW28"	9/9/93		0.11	3.4	0.24	3.4	0.34	4.8	3.1	87	0.3	9.6	5.4	76	1.07	0.01		2.32	34.546	27.5	8.26	6.48		
SSW28"	9/14/93		0.14	4.3	0.20	2.8	0.25	3.5	2.9	82	0.3	9.9	5.4	75	1.08	0.07		2.32	34.636	27.1	8.26	6.43		
SSW28"	9/21/93		0.07	2.2	0.27	3.8	0.30	4.2	3.0	85	0.3	8.7	4.8	67	1.07	0.05		2.32	34.634	27.1	8.25	6.38		
SSW28"	9/28/93		0.07	2.2	0.27	3.8	0.26	3.6	2.2	62	0.2	6.8	5.1	71	1.06	0.15		2.33	34.725	27.0	8.26	6.39		
SSW28"	10/7/93		0.08	2.5	0.29	4.1	0.33	4.6	2.7	76	0.2	7.1	6.5	90	1.15	0.14		2.27	34.691	27.4	8.26	6.32		
SSW28"	10/12/93		0.12	3.7	0.20	2.8	0.35	4.9	2.7	76	0.3	9.0	6.1	85	1.09	0.24		2.27	34.624	27.8	8.28	6.27		
SSW28"	10/19/93		0.11	3.4	0.16	2.2	0.24	3.4	2.4	67	0.2	7.1	5.6	79	1.21	0.06		2.27	34.657	26.7	8.28	6.40		
SSW28"	10/28/93		0.08	2.5	0.14	2.0	0.40	5.6	1.5	43	0.3	8.4	5.1	71	1.21	0.00		2.28	34.750	26.1	8.28	6.30		
SSW28"	11/2/93		0.12	3.7	0.10	1.4	0.24	3.4	4.4	122	0.3	8.1	5.1	71	1.21	0.14		2.28	34.699	27.0	8.27	6.37		
SSW28"	11/9/93		0.08	2.5	0.10	1.4	0.41	5.7	1.9	53	0.3	8.1	5.5	77	1.14	0.38		2.28	34.751	26.5	8.28	6.34		
SSW28"	11/16/93		0.10	3.1	0.15	2.1	0.21	2.9	2.2	62	0.3	7.7	5.2	73	1.12	0.18		2.28	34.756	26.1	8.29	6.43		
SSW28"	11/23/93		0.08	2.5	0.10	1.4	0.18	2.5	1.9	53	0.3	8.7	5.0	70	1.18	0.01		2.28	34.765	26.2	8.28	6.36		
SSW28"	12/1/93		0.13	4.0	0.20	2.8	0.25	3.5	2.4	68	0.3	7.7	5.4	76	1.02	0.10		2.28	34.798	25.5	8.28	6.40		
SSW28"	12/9/93		0.10	3.1	0.24	3.4	0.10	1.4	2.7	77	0.3	7.7	5.4	76	1.12	0.07		2.28	34.800	23.7	8.27	6.43		
SSW28"	12/14/93		0.11	3.4	0.24	3.4	0.03	0.4	1.9	54	0.3	9.0	5.2	73	1.15	0.00		2.28	34.833	24.3	8.29	6.47		
SSW28"	12/20/93		0.11	3.4	0.29	4.1	0.26	3.6	2.1	60	0.3	8.7	6.0	83	1.20	0.01		2.28	34.857	24.9	8.26	6.54		
SSW28"	12/28/93		0.09	2.8	0.30	4.2	0.52	7.3	2.3	63	0.3	8.7	6.1	86	1.26	0.13		2.29	34.948	23.3	8.28	6.80		
SSW28"	1/6/94		0.14	4.3	0.44	6.2	0.46	6.4	2.3	65	0.4	11.2	5.8	81	1.02	0.26		2.33	34.949	23.4	8.28	6.42		
SSW28"	1/12/94		0.12	3.7	0.29	4.1	0.33	4.6	2.9	83	0.3	9.9	6.8	95	1.47	0.04		2.33	34.926	24.6	8.29	6.58		
SSW28"	1/18/94		0.11	3.4	0.21	2.9	0.08	1.1	2.9	80	0.3	9.9	5.7	80	0.99	0.01		2.33	34.911	24.3	8.28	6.64		
SSW28"	1/26/94		0.16	5.0	0.32	4.5	0.37	5.2	2.4	67	0.3	9.9	5.6	78	0.97	0.17		2.33	34.855	23.9	8.27	6.54		
SSW28"	2/2/94		0.15	4.6	0.36	5.0	0.30	4.2	2.6	73	0.3	10.5	6.6	92	0.91	0.04		2.31	34.461	23.3	8.30	6.66		
SSW28"	2/9/94		0.21	6.5	0.29	4.1	0.28	3.9	2.2	62	0.4	11.2	6.4	90	0.92	0.05		2.29	34.264	23.2	8.30	6.64		
SSW28"	2/15/94		0.21	6.5	0.25	3.5	0.33	4.6	1.6	45	0.4	11.2	6.3	88	0.88	0.03		2.27	33.835	23.9	8.28	6.66		
SSW28"	2/24/94		0.15	4.6	0.31	4.3	0.23	3.2	3.3	92	0.3	8.7	5.7	80	0.91	0.06		2.30	34.355	23.9	8.29	6.70		
SSW28"	3/2/94		0.20	6.2	0.28	3.9	0.15	2.1	0.2	4	0.3	9.9	6.4	90	0.93	0.02		2.30	34.366	23.1	8.28	6.70		
SSW28"	3/9/94		0.27	8.4	0.38	5.3	0.26	3.6	0.3	7	0.3	10.2	7.1	99	0.96	0.10		2.29	34.251	26.5	8.23	7.14		
SSW28"	3/17/94		0.21	6.5	0.37	5.2	0.18	2.5	0.2	5	0.4	12.1	5.7	79	0.89	0.04		2.30	34.408	23.0	8.26	6.66		
SSW28"	3/22/94		0.15	4.6	0.29	4.1	0.12	1.7	0.1	3	0.3	9.3	6.4	90	0.92	0.04		2.30	34.430	23.2	8.28	6.58		
SSW28"	3/29/94		0.17	5.3	0.13	1.8	0.07	1.0	4.7	133	0.3	9.9	6.3	88	0.93	0.03		2.30	34.435	24.3	8.24	6.66		
SSW28"	4/5/94		0.15	4.6	0.31	4.3	0.17	2.4	3.4	96	0.4	11.2	6.4	90	0.83	0.05		2.30	34.373	25.1	8.26	6.84		
SSW28"	4/14/94		0.20	6.2	0.17	2.4	0.17	2.4	10.2	286	0.4	11.5	5.8	81	1.04	0.01		2.29	34.425	24.6	8.28	6.75		
SSW28"	5/12/94		0.16	5.0	0.30	4.2	0.10	1.4	2.6	74	0.3	10.2	5.7	80	1.01	0.05		2.30	34.569	26.3	8.30	6.66		
SSW28"	5/17/94		0.14	4.3	0.21	2.9	0.19	2.7	2.3	65	0.4	10.8	6.1	86	0.98	0.03		2.30	34.530	26.1	8.27	6.50		
SSW28"	5/25/94		0.19	5.9	0.24	3.4	0.19	2.7	3.1	86	0.4	11.8	6.4	90	1.09	0.24		2.31	34.596	25.4	8.27	6.51		
SSW28"	6/1/94		0.17	5.3	0.42	5.9	0.15	2.1	2.1	60	0.3	9.0	6.6	92	0.97	0.13		2.31	34.590	25.2	8.25	6.49		
SSW28"	6/7/94		0.17	5.3	0.53	7.4	0.18	2.5	3.3	92	0.4	11.2	6.5	92	0.92	0.10		2.32	34.588	25.7	8.25	6.38		
SSW28"	6/16/94		0.16	5.0	0.37	5.2	0.09	1.3	2.8	77	0.3	9.9	6.5	91	1.09	0.23		2.32	34.559	25.8	8.26	6.43		
SSW28"	6/23/94		0.25	7.7	0.26	3.6	0.22	3.1	3.2	89	0.3	10.2	5.8	82	1.28	0.01		2.32	34.580	26.4	8.25	6.44		
SSW28"	6/29/94		0.15	4.6	0.25	3.5	0.31	4.3	2.4	68	0.3	9.3	6.4	89	0.98	0.01		2.32	34.645	25.9	8.24	6.40		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/5/94		0.16	5.0	0.47	6.6	0.20	2.8	3.3	93	0.3	9.9	6.2	87	1.13	0.01		2.32	34.669	26.2	8.24	6.51		
SSW28"	7/12/94		0.12	3.7	0.43	6.0	0.39	5.5	2.9	81	0.4	12.4	4.9	69	1.11	0.07		2.32	34.689	26.4	8.24	6.49		
SSW28"	7/19/94		0.10	3.1	0.31	4.3	0.27	3.8	1.0	28	0.3	9.0	6.0	84	1.09	0.01		2.31	34.563	27.1	8.27	6.52		
SSW28"	7/27/94		0.17	5.3	0.27	3.8	0.53	7.4	9.0	251	0.4	13.0	7.0	98	1.12	0.20		2.31	34.542	26.3	8.24	6.33		
SSW28"	8/1/94		0.16	5.0	0.66	9.2	0.05	0.7	2.7	75	0.3	9.9	6.6	92	1.05	0.13		2.31	34.496	25.4	8.25	6.37		
SSW28"	8/10/94		0.17	5.3	0.37	5.2	0.45	6.3	2.4	66	0.4	10.8	6.6	92	1.10	0.17		2.31	34.554	27.0	8.26	6.32		
SSW28"	8/16/94		0.16	5.0	0.44	6.2	0.14	2.0	3.0	85	0.3	10.2	6.4	89	1.04	0.14		2.31	34.507	27.1	8.26	6.23		
SSW28"	8/25/94		0.16	5.0	0.29	4.1	0.08	1.1	2.2	62	0.3	10.2	6.0	85	1.06	0.12		2.31	34.528	26.5	8.26	6.33		
SSW28"	8/30/94		0.17	5.3	0.26	3.6	0.09	1.3	1.8	50	0.3	9.3	5.2	72	1.02	0.00		2.31	34.511	27.2	8.26	6.27		
SSW28"	9/7/94		0.17	5.3	0.25	3.5	0.25	3.5	2.5	69	0.4	11.5	5.3	74	1.05	0.04		2.32	34.629	27.6	8.27	6.24		
SSW28"	9/12/94		0.12	3.7	0.44	6.2	0.25	3.5	1.7	49	0.3	9.3	6.0	83	1.04	0.01		2.32	34.694	27.3	8.26	6.16		
SSW28"	9/20/94		0.13	4.0	0.35	4.9	0.14	2.0	4.8	134	0.3	8.7	5.8	82	1.04	0.63		2.32	34.660	26.8	8.28	6.16		
SSW28"	9/26/94		0.14	4.3	0.45	6.3	0.11	1.5	3.1	88	0.3	10.5	6.2	87	0.85	0.38		2.31	34.568	26.9	8.26	6.17		
SSW28"	10/3/94		0.13	4.0	0.36	5.0	0.19	2.7	2.4	69	0.3	9.6	4.9	68	0.97	0.07		2.31	34.634	27.7	8.27	6.17		
SSW28"	10/11/94		0.15	4.6	0.43	6.0	0.09	1.3	2.0	56	0.3	10.2	4.1	58	0.77	0.06		2.32	34.597	26.2	8.26	6.15		
SSW28"	10/20/94		0.14	4.3	0.46	6.4	0.09	1.3	1.7	48	0.3	9.9	4.6	64	0.83	0.02		2.32	34.669	25.8	8.27	6.30		
SSW28"	10/27/94		0.21	6.5	0.55	7.7	0.92	12.9	5.6	158	0.4	13.0	5.5	77	0.93	0.01		2.33	34.772	25.4	8.24	6.27		
SSW28"	11/3/94		0.17	5.3	0.55	7.7	0.59	8.3	2.3	65	0.4	10.8	6.4	90	0.93	0.00		2.32	34.709	25.6	8.26	6.16		
SSW28"	11/9/94		0.17	5.3	0.70	9.8	0.66	9.2	2.9	81	0.3	10.2	5.2	73	0.91	0.02		2.32	34.776	25.1	8.28	6.14		
SSW28"	11/17/94		0.19	5.9	0.33	4.6	0.62	8.7	3.1	87	0.4	11.2	5.9	83	0.92	0.22		2.31	34.618	25.7	8.25	6.21		
SSW28"	11/23/94		0.17	5.3	0.52	7.3	0.68	9.5	1.8	50	0.4	11.5	6.6	92	0.98	0.04		2.32	34.661	24.3	8.28	6.46		
SSW28"	11/29/94		0.21	6.5	0.41	5.7	0.68	9.5	2.0	55	0.4	11.5	5.7	79	0.94	0.17		2.29	34.448	24.4	8.28	6.71		
SSW28"	12/7/94		0.19	5.9	0.39	5.5	0.68	9.5	2.0	56	0.4	12.1	4.8	68	0.90	0.01		2.28	34.249	24.1	8.25	6.80		
SSW28"	12/12/94		0.20	6.2	0.50	7.0	0.22	3.1	3.3	94	0.4	12.1	5.8	81	0.91	0.08		2.29	34.331	24.4	8.27	6.77		
SSW28"	12/20/94		0.20	6.2	0.37	5.2	0.16	2.2	2.6	72	0.4	10.8	5.5	77	0.93	0.02		2.31	34.610	23.9	8.29	6.59		
SSW28"	12/27/94		0.11	3.4	0.36	5.0	0.13	1.8	2.3	65	0.3	9.6	5.4	75	0.91	0.02		2.32	34.704	23.9	8.29	6.50		
SSW28"	1/3/95		0.18	5.6	0.31	4.3	0.12	1.7	1.8	51	0.4	10.8	4.9	69	0.92	0.00		2.25	34.422	23.0	8.29	6.42		
SSW28"	1/10/95		0.17	5.3	0.37	5.2	0.15	2.1	2.0	56	0.4	11.5	4.8	67	0.90	0.28		2.25	34.493	22.6	8.28	6.73		
SSW28"	1/19/95		0.19	5.9	0.43	6.0	0.30	4.2	3.2	90	0.4	11.8	4.8	67	0.90	0.54		2.24	34.309	22.2	8.28	7.00		
SSW28"	1/26/95		0.24	7.4	0.44	6.2	0.04	0.6	1.9	53	0.4	13.6	5.1	71	0.95	0.01		2.26	34.392	23.6	8.26	6.78		
SSW28"	1/31/95		0.19	5.9	0.64	9.0	0.26	3.6	2.9	81	0.4	11.8	5.9	83	0.93	0.02		2.25	34.444	23.9	8.25	6.91		
SSW28"	2/10/95		0.19	5.9	0.58	8.1	0.20	2.8	1.9	54	0.4	11.8	4.1	57	0.82	2.18		2.24	34.208	21.6	8.25	6.61		
SSW28"	2/16/95		0.22	6.8	0.48	6.7	0.24	3.4	2.4	68	0.4	12.4	5.3	74	0.82	0.16		2.23	34.133	22.7	8.27	6.40		
SSW28"	2/24/95		0.24	7.4	0.57	8.0	0.20	2.8	2.5	71	0.4	11.8	5.2	72	0.89	0.02		2.23	34.168	22.7	8.26	6.44		
SSW28"	3/1/95		0.21	6.5	0.32	4.5	0.35	4.9	2.1	60	0.4	11.8	5.6	79	0.97	0.01		2.24	34.230	24.8	8.28	6.51		
SSW28"	3/7/95		0.23	7.1	0.20	2.8	0.39	5.5	2.1	60	0.4	13.0	5.3	74	0.95	0.57		2.23	34.159	23.4	8.27	6.78		
SSW28"	3/16/95		0.22	6.8	0.31	4.3	0.16	2.2	2.1	59	0.4	12.1	4.8	68	1.19	0.02		2.24	34.268	24.3	8.26	6.48		
SSW28"	3/23/95		0.22	6.8	0.25	3.5	0.37	5.2	10.5	294	0.4	13.0	5.9	83	1.03	0.48		2.23	34.226	24.9	8.25	6.54		
SSW28"	3/28/95		0.20	6.2	0.43	6.0	0.48	6.7	5.7	161	0.4	12.1	5.2	73	0.93	0.02		2.23	34.186	25.4	8.25	6.35		
SSW28"	4/6/95		0.22	6.8	0.75	10.5	0.47	6.6	3.5	99	0.4	12.1	5.9	83	0.93	0.19		2.23	34.205	24.9	8.23	6.21		
SSW28"	4/13/95		0.22	6.8	0.98	13.7	0.39	5.5	2.8	78	0.4	11.5	4.9	68	0.81	0.00		2.24	34.325	25.8	8.22	6.22		
SSW28"	4/20/95		0.19	5.9	0.56	7.8	0.33	4.6	1.9	53	0.4	10.8	5.2	73	0.89	0.06		2.35	34.430	26.3	8.22	6.34		
SSW28"	4/27/95		0.15	4.6	0.32	4.5	0.27	3.8	2.1	58	0.3	9.6	4.9	69	1.05	0.00		2.36	34.421	24.9	8.26	6.40		
SSW28"	5/4/95		0.16	5.0	0.96	13.4	0.21	2.9	2.7	76	0.3	10.5	5.4	76	0.99	0.02		2.35	34.383	26.9	8.21	6.36		
SSW28"	5/12/95		0.17	5.3	0.43	6.0	0.34	4.8	2.0	55	0.3	9.3	5.1	71	0.99	0.14		2.36	34.425	27.2	8.19	6.57		
SSW28"	5/16/95		0.14	4.3	0.48	6.7	0.35	4.9	1.1	32	0.3	10.2	5.1	72	0.95	0.11		2.36	34.472	27.0	8.22	6.48		
SSW28"	5/25/95		0.17	5.3	1.01	14.1	0.18	2.5	3.3	91	0.3	9.6	6.0	84	0.97	0.10		2.37	34.519	24.6	8.23	6.53		
SSW28"	6/1/95		0.16	5.0	0.50	7.0	0.11	1.5	2.3	65	0.3	8.7	4.8	67	0.87	0.08		2.36	34.439	24.9	8.23	6.62		
SSW28"	6/8/95		0.18	5.6	0.94	13.2	0.20	2.8	2.9	82	0.3	8.7	5.4	76	0.88	0.42		2.37	34.502	25.4	8.25	6.36		
SSW28"	6/15/95		0.18	5.6	1.08	15.1	0.18	2.5	3.6	100	0.3	8.4	5.5	77	0.86	0.05		2.36	34.487	25.8	8.23	6.38		
SSW28"	6/22/95		0.16	5.0	0.77	10.8	0.42	5.9	1.9	54	0.3	9.0	5.4	75	0.86	0.01		2.36	34.482	25.9	8.22	6.50		
SSW28"	6/30/95		0.13	4.0	0.16	2.2	0.46	6.4	2.6	72	0.2	6.8	5.1	72	0.88	0.22		2.36	34.540	27.1	8.27	6.25		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/5/95		0.14	4.3	0.16	2.2	0.10	1.4	3.0	85	0.3	10.5	4.5	63	0.90	0.10		2.36	34.520	26.8	8.26	6.35		
SSW28"	7/12/95		0.12	3.7	0.27	3.8	0.15	2.1	1.8	51	0.3	8.4	4.7	66	0.80	0.57		2.35	34.489	27.4	8.27	6.22		
SSW28"	7/19/95		0.16	5.0	0.48	6.7	0.14	2.0	3.6	101	0.3	10.5	4.4	62	0.89	0.14		2.35	34.393	26.8	8.28	6.03		
SSW28"	7/27/95		0.16	5.0	0.75	10.5	0.43	6.0	1.5	42	0.3	9.9	4.6	64	0.85	0.12		2.38	34.458	26.9	8.26	5.99		
SSW28"	8/2/95		0.16	5.0	0.33	4.6	0.42	5.9	2.6	72	0.3	9.3	4.3	60	0.87	0.48		2.38	34.479	26.6	8.28	6.16		
SSW28"	8/10/95		0.15	4.6	0.13	1.8	0.39	5.5	1.8	50	0.3	8.1	5.0	69	0.98	0.26		2.39	34.470	27.1	8.27	6.17		
SSW28"	8/16/95		0.15	4.6	0.44	6.2	0.44	6.2	2.5	70	0.3	9.6	4.7	66	0.89	0.34		2.39	34.445	27.7	8.27	6.07		
SSW28"	8/24/95		0.15	4.6	0.28	3.9	0.37	5.2	1.1	30	0.3	10.2	4.7	65	0.88	0.40		2.39	34.508	27.0	8.30	6.03		
SSW28"	8/31/95		0.14	4.3	0.39	5.5	0.31	4.3	1.8	51	0.3	7.7	4.9	69	0.87	0.00		2.39	34.574	27.4	8.28	5.99		
SSW28"	9/6/95		0.14	4.3	0.35	4.9	0.34	4.8	1.8	50	0.3	8.4	4.7	66	0.84	0.55		2.39	34.544	27.8	8.28	6.20		
SSW28"	9/14/95		0.12	3.7	0.68	9.5	0.43	6.0	3.0	83	0.3	9.3	5.7	79	0.82	0.09		2.39	34.561	27.3	8.28	5.99		
SSW28"	9/20/95		0.15	4.6	0.51	7.1	0.41	5.7	3.6	101	0.3	9.0	5.8	81	0.87	0.55		2.39	34.556	27.4	8.29	6.18		
SSW28"	9/27/95		0.15	4.6	0.53	7.4	0.50	7.0	1.4	39	0.3	9.0	5.5	76	0.78	1.12		2.39	34.582	27.5	8.27	6.18		
SSW28"	10/5/95		0.07	2.2	0.19	2.7	0.77	10.8	1.8	51	0.3	7.7	4.1	57	0.96	0.11		2.40	34.664	27.2	8.34	6.39		
SSW28"	10/10/95		0.06	1.9	0.17	2.4	0.63	8.8	1.7	49	0.3	8.1	4.3	60	0.93	0.42		2.40	34.683	27.5	8.30	6.38		
SSW28"	10/19/95		0.09	2.8	0.28	3.9	0.68	9.5	2.1	59	0.3	9.0	4.5	63	0.94	0.65		2.37	34.638	26.7	8.31	6.37		
SSW28"	10/25/95		0.11	3.4	0.16	2.2	0.61	8.5	1.3	37	0.2	7.1	5.2	73	0.84	0.57		2.37	34.664	25.2	8.33	6.38		
SSW28"	11/1/95		0.09	2.8	0.24	3.4	0.43	6.0	1.5	43	0.2	7.4	6.2	86	1.05	0.42		2.37	34.662	26.5	8.31	6.33		
SSW28"	11/8/95		0.11	3.4	0.33	4.6	0.52	7.3	2.6	73	0.2	7.4	5.1	72	0.89	0.60		2.37	34.592	26.6	8.26	6.17		
SSW28"	11/16/95		0.11	3.4	0.28	3.9	0.50	7.0	11.4	320	0.3	9.6	5.2	73	1.03	0.70		2.35	34.359	26.8	8.31	6.34		
SSW28"	11/21/95		0.12	3.7	0.07	1.0	0.51	7.1	2.0	55	0.3	9.3	5.7	80	1.13	0.45		2.36	34.550	27.0	8.25	6.52		
SSW28"	11/27/95		0.11	3.4	0.17	2.4	0.47	6.6	1.7	47	0.3	10.2	4.5	64	1.00	0.57		2.47	34.561	27.0	8.25	6.56		
SSW28"	12/5/95		0.05	1.5	0.06	0.8	0.41	5.7	2.8	77	0.2	6.5	7.8	110	1.18	0.44		2.54	34.655	26.1	8.28	6.82		
SSW28"	12/11/95		0.10	3.1	0.44	6.2	0.50	7.0	2.5	71	0.2	6.8	4.7	65	1.03	0.06		2.57	34.589	26.0	8.18	6.41		
SSW28"	12/21/95		0.09	2.8	0.11	1.5	0.28	3.9	1.7	49	0.3	10.5	3.6	51	0.97	0.59		2.60	34.637	25.6	8.27	6.65		
SSW28"	12/27/95		0.07	2.2	0.04	0.6	0.16	2.2	2.5	70	0.3	9.9	4.9	69	1.01	0.15		2.58	34.616	25.9	8.30	6.44		
SSW28"	1/3/96		0.12	3.7	0.03	0.4	0.15	2.1	2.2	61	0.3	8.7	5.2	72	0.99	0.30		2.59	34.514	25.0	8.33	6.50		
SSW28"	1/10/96		0.10	3.1	0.31	4.3	0.09	1.3	3.8	107	0.3	9.0	4.5	62	0.98	0.43		2.59	34.584	25.7	8.29	6.46		
SSW28"	1/17/96		0.08	2.5	0.02	0.3	0.04	0.6	2.1	59	0.3	8.1	6.2	86	0.97	0.36		2.60	34.658	25.0	8.28	6.58		
SSW28"	1/23/96		0.11	3.4	0.17	2.4	0.20	2.8	2.6	73	0.3	8.7	4.3	60	0.85	0.66		2.60	34.674	25.4	8.28	6.49		
SSW28"	1/31/96		0.08	2.5	0.11	1.5	0.36	5.0	2.1	60	0.3	7.7	5.4	75	1.03	2.75		2.58	34.588	24.4	8.25	6.55		
SSW28"	2/7/96		0.09	2.8	0.41	5.7	0.43	6.0	4.5	125	0.3	8.4	4.9	69	1.00	2.60		2.35	34.616	25.0	8.21	6.42		
SSW28"	2/16/96		0.10	3.1	0.07	1.0	0.43	6.0	5.8	163	0.3	8.1	5.1	71	0.99	1.75		2.32	34.420	24.4	8.24	6.52		
SSW28"	2/22/96		0.08	2.5	0.16	2.2	0.68	9.5	1.9	54	0.3	7.7	5.4	75	1.12	3.40		2.32	34.660	24.4	8.22	6.57		
SSW28"	2/28/96		0.08	2.5	0.22	3.1	0.42	5.9	5.3	148	0.2	6.2	5.9	83	1.08	6.95		2.31	34.543	24.4	8.25	6.43		
SSW28"	3/7/96		0.11	3.4	0.07	1.0	0.41	5.7	1.7	48	0.3	9.6	4.8	67	1.01	2.55		2.30	34.324	24.9	8.24	6.56		
SSW28"	3/14/96		0.09	2.8	0.13	1.8	0.54	7.6	2.7	77	0.3	9.3	4.6	65	0.94	9.05		2.30	34.166	24.6	8.24	6.78		
SSW28"	3/21/96		0.11	3.4	0.15	2.1	0.53	7.4	1.9	54	0.3	9.0	5.6	79	1.03	1.60		2.29	34.233	24.5	8.25	6.80		
SSW28"	3/28/96		0.10	3.1	0.16	2.2	0.35	4.9	3.4	96	0.3	9.3	4.9	68	0.95	2.70		2.29	34.242	24.2	8.27	6.69		
SSW28"	4/3/96		0.10	3.1	0.20	2.8	0.35	4.9	2.6	72	0.3	9.6	4.7	65	1.03	2.80		2.30	34.305	25.5	8.23	6.78		
SSW28"	4/10/96		0.12	3.7	0.07	1.0	0.48	6.7	2.9	82	0.3	8.7	5.0	70	0.99	1.95		2.28	34.208	25.6	8.25	6.37		
SSW28"	4/17/96		0.11	3.4	0.11	1.5	0.23	3.2	1.8	50	0.3	8.4	6.2	87	1.06	2.45		2.29	34.309	25.1	8.26	6.45		
SSW28"	4/24/96		0.12	3.7	0.11	1.5	0.21	2.9	4.3	122	0.3	9.0	5.4	75	1.01	3.45		2.36	34.444	25.2	8.25	6.63		
SSW28"	4/30/96		0.10	3.1	0.01	0.1	0.09	1.3	1.2	33	0.3	9.6	6.1	85	1.08	3.50		2.36	34.268	25.4	8.23	6.98		
SSW28"	5/9/96		0.07	2.2	0.14	2.0	0.16	2.2	3.1	88	0.3	8.4	4.2	59	0.89	2.70		2.36	34.390	26.2	8.21	6.54		
SSW28"	5/17/96		0.08	2.5	0.14	2.0	0.29	4.1	2.1	59	0.3	8.7	9.2	128	1.47	2.45		2.46	34.294	28.3	8.24	6.63		
SSW28"	5/22/96		0.12	3.7	0.16	2.2	0.25	3.5	1.7	47	0.2	7.4	5.6	79	1.05	2.75		2.32	34.292	26.6	8.25	7.61		
SSW28"	5/29/96		0.12	3.7	0.21	2.9	0.36	5.0	1.6	44	0.3	8.7	5.9	82	1.04	2.90		2.36	34.396	26.6	8.24	6.43		
SSW28"	6/5/96		0.10	3.1	0.15	2.1	0.17	2.4	1.2	35	0.3	7.7	5.5	76	0.95	2.40		2.35	34.408	27.7	8.25	6.49		
SSW28"	6/10/96		0.10	3.1	0.29	4.1	0.14	2.0	1.5	42	0.3	8.7	5.1	72	0.96	2.30		2.33	34.370	27.4	8.23	6.36		
SSW28"	6/19/96		0.09	2.8	0.23	3.2	0.30	4.2	1.4	39	0.3	8.4	5.5	77	0.98	2.60		2.35	34.394	25.9	8.23	6.23		
SSW28"	6/28/96		0.10	3.1	0.19	2.7	0.48	6.7	1.8	50	0.3	8.7	5.2	73	1.21	3.10		2.35	34.422	27.9	8.24	6.65		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/5/96		0.10	3.1	0.17	2.4	0.42	5.9	2.0	57	0.3	9.9	4.4	62	1.06	2.55		2.37	34.372	27.1	8.22	6.46		
SSW28"	7/10/96		0.09	2.8	0.11	1.5	0.31	4.3	1.4	38	0.3	10.2	4.4	61	1.00	2.50		2.37	34.462	28.2	8.25	6.28		
SSW28"	7/18/96		0.07	2.2	0.10	1.4	0.31	4.3	8.7	244	0.3	9.0	4.2	59	1.06	1.70		2.36	34.333	26.7	8.21	6.45		
SSW28"	7/25/96		0.07	2.2	0.09	1.3	0.17	2.4	1.2	33	0.3	8.1	4.0	57	0.98	2.55		2.17	34.434	27.9	8.26	7.10		
SSW28"	8/2/96		0.05	1.5	0.11	1.5	0.44	6.2	5.4	152	0.3	9.0	4.3	60	0.89	3.15		2.21	34.480	27.6	8.27	6.50		
SSW28"	8/8/96		0.04	1.2	0.13	1.8	0.72	10.1	3.4	95	0.3	9.6	4.3	60	1.06	2.65		2.23	34.474	27.1	8.25	6.75		
SSW28"	8/14/96		0.06	1.9	0.07	1.0	0.63	8.8	2.6	74	0.3	7.7	4.4	61	0.98	2.85		2.15	34.482	27.7	8.26	6.32		
SSW28"	8/19/96		0.05	1.5	0.17	2.4	0.48	6.7	1.4	40	0.2	6.8	4.7	65	1.03	2.50		2.22	34.501	28.1	8.25	6.46		
SSW28"	8/29/96		0.07	2.2	0.19	2.7	0.41	5.7	2.1	58	0.3	9.0	4.4	61	1.01	2.80		2.22	34.509	27.8	8.23	6.14		
SSW28"	9/5/96		0.07	2.2	0.15	2.1	0.84	11.8	2.4	68	0.2	7.4	4.7	66	1.06	2.30		2.23	34.478	27.8	8.25	6.95		
SSW28"	9/12/96		0.07	2.2	0.18	2.5	0.17	2.4	1.6	45	0.2	7.4	5.0	70	1.06	2.65		2.23	34.605	27.5	8.26	7.10		
SSW28"	9/17/96		0.08	2.5	0.13	1.8	0.08	1.1	2.2	61	0.3	8.7	4.2	59	0.91	3.15		2.24	34.630	27.7	8.22	7.00		
SSW28"	9/25/96		0.08	2.5	0.12	1.7	0.38	5.3	1.5	43	0.3	8.1	8.3	116	1.23	2.05		2.21	34.632	27.2	8.24	7.21		
SSW28"	9/30/96		0.06	1.9	0.16	2.2	0.20	2.8	2.0	57	0.3	9.0	4.5	64	1.05	2.00		2.23	34.705	26.8	8.24	7.19		
SSW28"	10/10/96		0.06	1.9	0.14	2.0	0.53	7.4	9.8	276	0.3	7.7	4.6	65	1.03	2.15		2.23	34.653	26.7	8.24	6.49		
SSW28"	10/14/96		0.06	1.9	0.11	1.5	0.57	8.0	2.4	67	0.2	7.4	4.6	65	1.10	0.40		2.22	34.686	27.5	8.26	6.58		
SSW28"	10/24/96		0.05	1.5	0.04	0.6	0.46	6.4	8.1	226	0.3	9.0	4.8	67	1.05	2.50		2.21	34.724	27.2	8.23	6.68		
SSW28"	10/31/96		0.07	2.2	0.17	2.4	0.26	3.6	1.7	47	0.3	7.7	4.7	66	1.01	2.45		2.38	34.735	26.7	8.21	6.65		
SSW28"	11/8/96		0.06	1.9	0.27	3.8	0.47	6.6	2.4	68	0.2	6.5	4.5	63	0.99	1.80		2.33	34.713	26.8	8.23	6.54		
SSW28"	11/13/96		0.07	2.2	0.22	3.1	0.36	5.0	2.7	76	0.3	8.7	4.2	59	1.10	2.35		2.33	34.736	27.0	8.26	6.89		
SSW28"	11/20/96		0.06	1.9	0.18	2.5	0.38	5.3	3.6	100	0.3	8.4	3.5	49	1.11	1.70		2.32	34.744	25.7	8.25	6.53		
SSW28"	11/27/96		0.05	1.5	0.15	2.1	0.37	5.2	1.1	32	0.2	7.4	4.7	65	0.94	1.35		2.32	34.632	25.6	8.27	6.44		
SSW28"	12/4/96		0.08	2.5	0.12	1.7	0.43	6.0	3.8	108	0.3	8.1	4.3	61	0.95	2.20		2.33	34.643	25.2	8.25	7.46		
SSW28"	12/11/96		0.09	2.8	0.05	0.7	0.48	6.7	2.1	59	0.3	9.3	5.0	70	1.11	2.35		2.32	34.787	24.0	8.27	7.49		
SSW28"	12/18/96		0.07	2.2	0.01	0.1	0.25	3.5	1.4	38	0.3	9.3	3.7	51	0.92	2.25		2.32	34.808	24.8	8.26	6.59		
SSW28"	12/23/96		0.07	2.2	0.21	2.9	0.40	5.6	5.1	143	0.3	9.0	4.6	65	0.88	2.10		2.32	34.759	24.6	8.27	6.89		
SSW28"	1/2/97		0.06	1.9	0.21	2.9	0.30	4.2	1.6	45	0.2	6.2	3.9	55	0.85	2.85		2.30	34.719	24.3	8.28	6.71		
SSW28"	1/9/97		0.05	1.5	0.08	1.1	0.29	4.1	1.4	40	0.3	8.7	4.2	59	1.04	1.15		2.32	34.735	23.6	8.27	6.75		
SSW28"	1/16/97		0.07	2.2	0.26	3.6	0.12	1.7	2.6	73	0.4	11.5	4.7	66	0.91	3.15		2.31	34.664	23.6	8.26	6.97		
SSW28"	1/21/97		0.08	2.5	0.18	2.5	0.01	0.1	2.5	70	0.3	9.9	4.2	59	0.98	1.20		2.16	34.586	24.1	8.27	6.71		
SSW28"	1/28/97		0.03	0.9	0.12	1.7	0.01	0.1	2.3	65	0.2	7.1	4.5	63	1.07	2.30		2.10	34.748	24.5	8.28	6.65		
SSW28"	2/7/97		0.02	0.6	0.14	2.0	0.01	0.1	1.7	46	0.3	9.3	4.8	67	1.09	1.90		2.11	34.763	25.0	8.28	6.67		
SSW28"	2/12/97		0.04	1.2	0.12	1.7	0.13	1.8	1.3	37	0.3	9.0	4.7	66	1.03	1.75		2.12	34.794	23.3	8.30	6.72		
SSW28"	2/19/97		0.06	1.9	0.08	1.1	0.07	1.0	1.5	42	0.2	7.4	4.9	69	1.03	2.50		2.08	34.674	24.2	8.30	7.14		
SSW28"	2/25/97		0.06	1.9	0.13	1.8	0.15	2.1	1.5	43	0.2	5.0	4.5	63	1.05	3.00		2.10	34.793	23.6	8.32	7.04		
SSW28"	3/4/97		0.04	1.2	0.16	2.2	0.10	1.4	1.6	44	0.2	6.2	4.8	68	1.08	2.05		2.12	34.713	23.7	8.30	6.92		
SSW28"	3/12/97		0.06	1.9	0.07	1.0	0.24	3.4	2.0	56	0.2	5.6	6.3	88	1.21	2.90		2.10	34.585	24.0	8.25	7.03		
SSW28"	3/20/97		0.11	3.4	0.13	1.8	0.11	1.5	2.0	57	0.4	10.8	4.6	65	1.03	1.75		2.09	34.595	23.3	8.26	6.87		
SSW28"	3/25/97		0.14	4.3	0.09	1.3	0.21	2.9	1.8	51	0.3	9.9	4.7	65	1.06	3.90		2.09	34.585	23.6	8.25	7.01		
SSW28"	3/31/97		0.13	4.0	0.19	2.7	0.11	1.5	10.0	281	0.4	12.1	4.8	68	1.04	1.40		2.07	34.500	24.7	8.26	7.03		
SSW28"	4/7/97		0.06	1.9	0.09	1.3	0.51	7.1	10.7	300	0.3	9.9	5.7	80	1.07	1.85		2.09	34.749	24.1	8.26	6.52		
SSW28"	4/14/97		0.07	2.2	0.21	2.9	0.24	3.4	8.3	233	0.3	10.5	5.0	70	1.13	1.55		2.52	34.622	24.9	8.28	6.56		
SSW28"	4/24/97		0.13	4.0	0.16	2.2	0.40	5.6	2.5	70	0.6	18.3	4.7	66	1.03	1.45		2.64	34.373	25.5	8.27	6.76		
SSW28"	5/2/97		0.12	3.7	0.10	1.4	0.38	5.3	1.7	47	0.6	19.5	8.2	115	1.24	2.55		2.66	34.434	25.1	8.28	6.70		
SSW28"	5/8/97		0.11	3.4	0.15	2.1	0.30	4.2	2.0	55	0.6	18.9	4.6	65	0.99	2.10		2.70	34.394	24.6	8.30	6.76		
SSW28"	5/13/97		0.11	3.4	0.13	1.8	0.32	4.5	2.3	64	0.6	19.5	5.5	77	1.07	2.05		2.43	34.495	25.4	8.29	6.71		
SSW28"	5/19/97		0.10	3.1	0.08	1.1	0.33	4.6	1.0	29	0.5	16.7	4.5	63	1.03	2.70		2.54	24.517	24.7	8.32	6.58		
SSW28"	5/29/97		0.10	3.1	0.18	2.5	0.26	3.6	5.9	165	0.4	11.8	4.9	69	1.02	1.70		2.60	34.484	25.7	8.27	6.98		
SSW28"	6/3/97		0.08	2.5	0.14	2.0	0.42	5.9	1.6	46	0.3	9.6	4.9	69	1.06	1.60		2.58	34.476	26.8	8.31	6.91		
SSW28"	6/10/97		0.10	3.1	0.15	2.1	0.45	6.3	1.9	52	0.3	10.5	5.9	82	1.12	1.60		2.46	34.492	25.8	8.39	6.79		
SSW28"	6/18/97		0.10	3.1	0.02	0.3	0.42	5.9	2.0	57	0.4	11.2	4.0	56	1.03	2.65		2.62	34.512	25.2	8.28	8.51		
SSW28"	6/23/97		0.09	2.8	0.06	0.8	0.12	1.7	1.4	38	0.4	11.8	4.6	65	1.02	1.40		2.57	34.412	24.4	8.31	6.93		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/3/97		0.12	3.7	0.19	2.7	0.02	0.3	12.4	348	0.3	10.5	4.5	64	0.98	2.55		2.61	34.542	23.5	8.31	7.18		
SSW28"	7/9/97		0.07	2.2	0.10	1.4	0.28	3.9	11.1	311	0.3	9.6	4.5	63	1.00	2.00		2.62	34.635	25.9	8.32	6.92		
SSW28"	7/17/97		0.07	2.2	0.04	0.6	0.15	2.1	1.4	40	0.3	10.2	4.3	60	1.07	3.75		2.62	34.636	25.8	8.30	6.73		
SSW28"	7/25/97		0.06	1.9	0.04	0.6	0.31	4.3	2.0	57	0.3	10.2	5.1	71	1.08	2.30		2.60	34.679	26.2	8.38	6.52		
SSW28"	7/31/97		0.06	1.9	0.05	0.7	0.19	2.7	1.0	28	0.3	8.7	5.5	77	1.11	1.90		2.57	34.657	25.8	8.37	6.68		
SSW28"	8/7/97		0.06	1.9	0.01	0.1	0.16	2.2	1.0	28	0.3	10.2	5.0	70	1.09	2.45		2.49	34.651	26.0	8.41	6.60		
SSW28"	8/13/97		0.06	1.9	0.01	0.1	0.04	0.6	2.0	56	0.3	9.0	4.8	67	1.04	1.85		2.48	34.631	25.7	8.39	6.52		
SSW28"	8/22/97		0.06	1.9	0.04	0.6	0.28	3.9	1.6	44	0.3	9.9	5.7	80	1.03	1.55		2.48	34.654	26.2	8.40	6.56		
SSW28"	8/27/97		0.12	3.7	0.02	0.3	0.33	4.6	1.8	49	0.4	10.8	5.0	70	1.06	1.75		2.48	34.649	26.3	8.38	6.54		
SSW28"	9/3/97		0.05	1.5	0.11	1.5	0.31	4.3	2.6	72	0.3	8.1	5.1	71	1.06	2.45		2.48	34.687	27.4	8.43	6.52		
SSW28"	9/11/97		0.06	1.9	0.02	0.3	0.30	4.2	3.0	83	0.4	10.8	4.8	68	1.00	1.55		2.48	34.699	26.6	8.44	6.35		
SSW28"	9/18/97		0.08	2.5	0.02	0.3	0.17	2.4	2.9	80	0.3	9.3	4.7	66	1.08	1.75		2.49	34.751	26.0	8.43	6.05		
SSW28"	9/25/97		0.08	2.5	0.12	1.7	0.54	7.6	2.7	76	0.3	10.2	4.9	68	1.03	0.50		2.49	34.788	27.3	8.41	6.32		
SSW28"	9/30/97		0.06	1.9	0.12	1.7	0.40	5.6	1.7	49	0.3	9.9	4.8	67	1.04	1.70		2.49	34.785	26.1	8.44	6.35		
SSW28"	10/9/97		0.10	3.1	0.03	0.4	0.34	4.8	4.1	116	0.4	12.1	4.9	68	1.00	1.30		2.48	34.790	27.5	8.43	6.14		
SSW28"	10/16/97		0.06	1.9	0.04	0.6	0.42	5.9	1.3	37	0.4	11.8	4.7	66	1.06	1.55		2.48	34.820	26.9	8.44	6.31		
SSW28"	10/23/97		0.06	1.9	0.10	1.4	0.29	4.1	1.8	51	0.4	10.8	4.8	68	1.04	1.65		2.47	34.825	26.9	8.48	6.45		
SSW28"	10/30/97		0.04	1.2	0.01	0.1	0.24	3.4	1.4	39	0.3	9.9	4.4	61	1.07	1.45		2.48	34.914	26.4	8.45	6.84		
SSW28"	11/6/97		0.05	1.5	0.01	0.1	0.41	5.7	0.7	21	0.3	9.3	4.4	62	1.07	1.15		2.48	34.946	25.9	8.42	6.69		
SSW28"	11/10/97		0.05	1.5	0.05	0.7	0.37	5.2	1.5	42	0.2	7.4	4.6	64	1.05	0.95		2.49	34.959	25.9	8.45	6.65		
SSW28"	11/20/97		0.06	1.9	0.09	1.3	0.44	6.2	2.4	68	0.3	10.5	4.8	67	1.08	1.50		2.48	34.874	25.9	8.40	6.46		
SSW28"	11/25/97		0.05	1.5	0.14	2.0	0.43	6.0	1.7	49	0.3	8.1	5.0	70	1.05	0.35		2.48	34.852	25.3	8.41	6.37		
SSW28"	12/1/97		0.08	2.5	0.07	1.0	0.41	5.7	6.7	188	0.3	9.9	4.8	68	1.03	1.50		2.48	34.889	24.8	8.40	6.38		
SSW28"	12/11/97		0.07	2.2	0.01	0.1	0.15	2.1	13.6	383	0.3	10.2	3.6	51	0.99	1.30		2.49	34.965	24.4	8.43	6.65		
SSW28"	12/18/97		0.09	2.8	0.14	2.0	0.39	5.5	2.3	65	0.3	9.3	3.9	54	1.01	2.10		2.49	34.977	23.5	8.42	6.55		
SSW28"	12/24/97		0.08	2.5	0.12	1.7	0.30	4.2	8.3	234	0.4	10.8	3.7	52	0.98	1.55		2.49	34.963	23.7	8.42	6.67		
SSW28"	12/29/97		0.09	2.8	0.06	0.8	0.31	4.3	1.1	32	0.4	11.2	4.5	63	1.02	1.20		2.49	34.963	23.1	8.44	6.69		
SSW28"	1/6/98		0.03	0.9	0.05	0.7	0.11	1.5	1.2	35	0.3	8.1	4.1	57	0.97	1.70		2.48	34.965	22.5	8.44	6.65		
SSW28"	1/14/98		0.06	1.9	0.02	0.3	0.12	1.7	1.6	46	0.3	10.5	4.3	60	2.68	2.00		2.49	34.996	25.0	8.42	7.38		
SSW28"	1/22/98		0.10	3.1	0.03	0.4	0.09	1.3	2.0	55	0.4	11.5	3.9	55	0.93	1.05		2.49	35.007	23.9	8.42	6.92		
SSW28"	1/29/98		0.06	1.9	0.05	0.7	0.13	1.8	2.5	69	0.3	9.9	4.1	58	0.94	1.85		2.24	35.009	23.8	8.42	7.00		
SSW28"	2/5/98		0.08	2.5	0.07	1.0	0.18	2.5	2.6	73	0.2	7.4	4.3	60	0.99	2.05		2.25	35.016	23.6	8.45	6.87		
SSW28"	2/9/98		0.06	1.9	0.08	1.1	0.21	2.9	1.4	39	0.3	10.2	4.3	61	0.96	0.70		2.25	35.043	23.0	8.45	6.92		
SSW28"	2/17/98		0.03	0.9	0.07	1.0	0.28	3.9	1.4	39	0.3	9.3	4.3	60	1.03	1.10		2.25	35.046	23.5	8.47	6.89		
SSW28"	2/23/98		0.09	2.8	0.15	2.1	0.29	4.1	2.4	68	0.3	10.2	4.4	62	0.96	1.50		2.25	35.044	22.8	8.47	6.96		
SSW28"	3/5/98		0.09	2.8	0.19	2.7	0.21	2.9	2.2	62	0.2	6.5	4.4	62	0.93	0.25		2.25	35.033	23.8	8.25	6.77		
SSW28"	3/12/98		0.10	3.1	0.07	1.0	0.28	3.9	1.7	49	0.3	9.0	4.3	60	0.98	0.70		2.25	35.013	23.8	8.23	6.80		
SSW28"	3/19/98		0.11	3.4	0.08	1.1	0.30	4.2	2.2	62	0.4	10.8	4.5	63	0.99	0.55		2.24	34.905	24.3	8.21	6.79		
SSW28"	3/25/98		0.09	2.8	0.08	1.1	0.37	5.2	2.7	77	0.3	9.9	4.3	60	0.93	0.70		2.25	35.053	22.2	8.22	6.91		
SSW28"	4/2/98		0.06	1.9	0.02	0.3	0.32	4.5	1.6	45	0.3	9.3	4.1	58	0.96	1.00		2.31	35.078	23.4	8.23	6.72		
SSW28"	4/9/98		0.08	2.5	0.02	0.3	0.22	3.1	1.7	48	0.4	10.8	4.3	60	0.97	0.90		2.32	35.112	23.9	8.28	6.76		
SSW28"	4/16/98		0.08	2.5	0.06	0.8	0.12	1.7	1.6	45	0.4	11.8	4.2	59	1.09	1.15		2.32	35.060	22.7	8.24	6.85		
SSW28"	4/20/98		0.05	1.5	0.12	1.7	0.29	4.1	3.5	99	0.3	9.6	4.5	63	1.03	1.15		2.32	34.988	23.7	8.22	6.83		
SSW28"	4/30/98		0.08	2.5	0.01	0.1	0.33	4.6	4.1	114	0.4	11.8	4.1	57	1.07	2.00		2.32	35.059	23.2	8.23	6.81		
SSW28"	5/7/98		0.06	1.9	0.08	1.1	0.16	2.2	5.1	142	0.3	10.5	4.3	60	1.04	1.90		2.32	35.102	23.6	8.23	6.81		
SSW28"	5/15/98		0.09	2.8	0.10	1.4	0.28	3.9	2.0	56	0.3	10.5	5.6	79	1.07	1.95		2.32	35.122	23.9	8.23	6.73		
SSW28"	5/21/98		0.07	2.2	0.11	1.5	0.10	1.4	1.9	54	0.4	11.2	5.2	72	1.03	1.75		2.31	35.112	22.6	8.24	6.72		
SSW28"	5/28/98		0.07	2.2	0.06	0.8	0.16	2.2	1.9	53	0.3	9.9	4.8	67	0.96	0.65		2.32	35.154	23.0	8.24	6.84		
SSW28"	6/4/98		0.06	1.9	0.10	1.4	0.09	1.3	2.2	62	0.4	10.8	4.8	68	0.99	1.10		2.31	35.138	24.2	8.24	6.86		
SSW28"	6/9/98		0.08	2.5	0.12	1.7	0.32	4.5	2.6	72	0.4	10.8	5.0	70	0.98	1.05		2.31	35.127	24.3	8.22	6.80		
SSW28"	6/17/98		0.12	3.7	0.09	1.3	0.32	4.5	3.2	89	0.4	12.4	5.3	74	1.00	2.35		2.31	35.075	24.7	8.22	6.72		
SSW28"	6/23/98		0.09	2.8	0.05	0.7	0.51	7.1	3.1	86	0.4	11.2	4.9	68	0.96	1.50		2.31	35.054	25.0	8.21	6.72		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/1/98		0.11	3.4	0.09	1.3	0.02	0.3	2.8	79	0.4	12.7	5.1	71	0.96	1.15		2.35	35.032	24.8	8.22	6.77		
SSW28"	7/9/98		0.07	2.2	0.04	0.6	0.11	1.5	2.1	58	0.4	12.1	4.7	66	0.94	1.30		2.32	35.048	25.1	8.22	6.65		
SSW28"	7/16/98		0.08	2.5	0.09	1.3	0.27	3.8	4.3	120	0.4	11.2	5.0	70	1.00	0.05		2.33	35.016	26.6	8.24	6.72		
SSW28"	7/23/98		0.08	2.5	0.04	0.6	0.34	4.8	1.6	44	0.3	10.5	5.0	70	1.11	1.80		2.32	35.015	25.7	8.23	6.68		
SSW28"	7/29/98		0.07	2.2	0.04	0.6	0.18	2.5	1.7	47	0.3	9.3	5.0	70	1.05	0.90		2.36	35.105	24.8	8.23	6.73		
SSW28"	8/4/98		0.10	3.1	0.08	1.1	0.12	1.7	2.4	68	0.4	13.0	5.3	74	1.06	1.00		2.35	35.040	25.1	8.21	6.64		
SSW28"	8/13/98		0.08	2.5	0.03	0.4	0.14	2.0	2.2	62	0.4	11.8	5.4	76	1.08	0.45		2.32	35.053	25.8	8.20	6.73		
SSW28"	8/19/98		0.06	1.9	0.06	0.8	0.15	2.1	2.4	67	0.4	11.2	5.3	74	1.10	2.05		2.32	35.073	26.0	8.20	6.57		
SSW28"	8/26/98		0.09	2.8	0.03	0.4	0.15	2.1	1.5	43	0.4	12.4	5.2	73	1.08	1.00		2.31	35.018	25.3	8.22	6.59		
SSW28"	9/3/98		0.09	2.8	0.07	1.0	0.12	1.7	2.3	64	0.4	12.1	5.5	77	1.03	3.35		2.34	35.025	26.5	8.21	6.44		
SSW28"	9/10/98		0.10	3.1	0.02	0.3	0.07	1.0	1.9	54	0.4	13.6	5.6	78	1.12	1.45		2.34	35.033	26.8	8.22	6.49		
SSW28"	9/17/98		0.07	2.2	0.09	1.3	0.09	1.3	3.4	96	0.4	10.8	5.0	70	1.09	1.25		2.33	35.055	26.9	8.22	6.54		
SSW28"	9/21/98		0.06	1.9	0.04	0.6	0.07	1.0	4.6	130	0.4	11.5	5.0	71	1.08	1.95		2.34	35.017	26.8	8.23	6.54		
SSW28"	10/1/98		0.06	1.9	0.02	0.3	0.06	0.8	2.2	62	0.4	11.5	4.8	68	1.25	1.50		2.38	35.130	26.7	8.23	7.01		
SSW28"	10/8/98		0.10	3.1	0.11	1.5	0.27	3.8	4.1	115	0.3	10.5	4.6	65	1.15	2.60		2.36	35.097	25.6	8.22	6.88		
SSW28"	10/14/98		0.04	1.2	0.04	0.6	0.17	2.4	2.0	57	0.3	9.9	4.9	68	1.13	2.60		2.32	35.130	25.6	8.23	6.88		
SSW28"	10/21/98		0.10	3.1	0.01	0.1	0.16	2.2	2.5	69	0.4	10.8	4.8	67	1.14	4.05		2.32	35.127	26.1	8.24	6.96		
SSW28"	10/27/98		0.09	2.8	0.02	0.3	0.09	1.3	2.2	63	0.4	11.2	5.6	78	1.21	2.70		2.31	35.163	25.2	8.26	6.94		
SSW28"	11/6/98		0.08	2.5	0.01	0.1	0.11	1.5	3.5	98	0.3	10.5	4.3	61	1.18	2.70		2.27	34.998	26.4	8.24	6.59		
SSW28"	11/9/98		0.10	3.1	0.09	1.3	0.05	0.7	2.3	65	0.4	11.5	5.1	71	1.17	2.80		2.27	34.832	26.3	8.26	8.57		
SSW28"	11/18/98		0.07	2.2	0.04	0.6	0.15	2.1	14.3	402	0.3	9.3	5.8	81	1.20	2.40		2.27	35.111	25.8	8.25	6.57		
SSW28"	11/23/98		0.07	2.2	0.02	0.3	0.09	1.3	2.0	56	0.3	9.3	5.2	73	1.22	2.80		2.27	35.177	25.8	8.24	6.56		
SSW28"	11/30/98		0.07	2.2	0.02	0.3	0.10	1.4	2.8	78	0.3	9.0	4.9	68	1.15	2.00		2.28	35.127	25.2	8.26	7.71		
SSW28"	12/8/98		0.07	2.2	0.05	0.7	0.12	1.7	18.5	520	0.3	9.6	5.8	81	1.17	2.65		2.23	35.156	24.2	8.24	6.59		
SSW28"	12/17/98		0.05	1.5	0.01	0.1	0.04	0.6	1.9	53	0.3	10.2	4.5	63	1.13	1.90		2.22	35.102	25.1	8.24	6.68		
SSW28"	12/21/98		0.06	1.9	0.11	1.5	0.11	1.5	2.3	65	0.4	10.8	5.0	70	1.18	2.90		2.21	35.070	24.9	8.25	6.60		
SSW28"	12/29/98		0.09	2.8	0.18	2.5	0.18	2.5	2.2	63	0.4	10.8	6.3	88	1.23	2.25		2.22	35.079	24.8	8.22	6.77		
SSW28"	1/5/99		0.07	2.2	0.01	0.1	0.15	2.1	2.4	67	0.4	11.2	4.6	64	1.13	2.75		2.21	35.086	24.7	8.24	6.74		
SSW28"	1/14/99		0.07	2.2	0.04	0.6	0.03	0.4	2.1	59	0.3	9.3	4.5	64	1.12	1.85		2.23	35.104	24.8	8.23	6.80		
SSW28"	1/21/99		0.06	1.9	0.02	0.3	0.10	1.4	2.1	60	0.4	11.2	4.4	62	1.12	2.15		2.20	35.170	24.4	8.22	8.14		
SSW28"	1/26/99		0.07	2.2	0.01	0.1	0.07	1.0	1.7	49	0.3	9.6	4.6	64	1.13	3.00		2.19	35.117	24.5	8.26	6.92		
SSW28"	2/4/99		0.09	2.8	0.01	0.1	0.20	2.8	2.4	68	0.3	9.0	4.4	62	1.10	3.45		2.18	35.118	23.8	8.22	6.75		
SSW28"	2/11/99		0.11	3.4	0.08	1.1	0.23	3.2	1.9	53	0.4	10.8	3.9	55	0.97	2.40		2.18	35.038	23.9	8.23	7.55		
SSW28"	2/18/99		0.12	3.7	0.03	0.4	0.01	0.1	2.2	60	0.3	10.2	4.1	57	0.93	2.45		2.16	34.990	23.9	8.23	7.54		
SSW28"	2/23/99		0.09	2.8	0.06	0.8	0.02	0.3	2.3	65	0.3	9.9	4.2	59	0.96	2.90		2.17	35.039	23.4	8.23	7.47		
SSW28"	3/3/99		0.04	1.2	0.07	1.0	0.16	2.2	2.2	62	0.2	7.1	6.0	83	1.17	3.20		2.17	35.035	23.7	8.22	7.44		
SSW28"	3/9/99		0.08	2.5	0.04	0.6	0.13	1.8	2.8	77	0.3	9.3	4.7	66	1.04	1.90		2.15	35.038	24.4	8.22	6.88		
SSW28"	3/18/99		0.11	3.4	0.02	0.3	0.05	0.7	4.6	130	0.3	9.9	4.0	55	0.96	2.45		2.14	34.846	24.0	8.24	6.87		
SSW28"	3/24/99		0.13	4.0	0.02	0.3	0.14	2.0	6.9	194	0.4	11.8	4.3	61	1.06	1.65		2.13	34.732	23.9	8.23	6.91		
SSW28"	3/30/99		0.14	4.3	0.07	1.0	0.18	2.5	4.1	115	0.3	10.2	5.4	76	1.06	1.80		2.14	34.778	23.6	8.23	6.97		
SSW28"	4/7/99		0.12	3.7	0.02	0.3	0.04	0.6	3.5	98	0.4	10.8	4.5	63	0.95	2.35		2.16	34.689	24.2	8.21	6.86		
SSW28"	4/14/99		0.08	2.5	0.02	0.3	0.05	0.7	1.8	50	0.4	10.8	3.9	55	0.96	2.35		2.16	34.755	23.9	8.22	6.90		
SSW28"	4/21/99		0.13	4.0	0.18	2.5	0.18	2.5	2.4	68	0.3	10.2	4.3	61	0.97	1.65		2.16	34.889	23.8	8.22	7.70		
SSW28"	4/29/99		0.12	3.7	0.19	2.7	0.13	1.8	3.9	108	0.3	10.2	4.7	66	1.08	2.60		2.14	34.366	24.1	8.21	6.80		
SSW28"	5/5/99		0.08	2.5	0.07	1.0	0.43	6.0	2.4	66	0.3	10.5	5.1	71	1.03	1.20		2.14	34.396	24.6	8.20	6.86		
SSW28"	5/12/99		0.10	3.1	0.15	2.1	0.09	1.3	2.8	78	0.3	9.3	4.3	61	0.97	1.90		2.17	34.393	24.8	8.20	6.81		
SSW28"	5/20/99		0.13	4.0	0.22	3.1	0.09	1.3	2.4	66	0.4	10.8	4.4	62	0.98	3.60		2.18	34.384	25.1	8.20	6.86		
SSW28"	5/24/99		0.17	5.3	0.35	4.9	0.11	1.5	2.3	65	0.3	10.2	6.0	84	1.16	2.00		2.16	34.408	25.4	8.22	6.86		
SSW28"	6/3/99		0.16	5.0	0.19	2.7	0.13	1.8	1.9	52	0.4	11.5	5.0	70	1.01	2.20		2.15	34.383	24.4	8.21	6.74		
SSW28"	6/9/99		0.18	5.6	0.33	4.6	0.26	3.6	1.9	53	0.4	13.6	4.9	69	1.00	3.15		2.14	34.378	26.1	8.22	7.01		
SSW28"	6/16/99		0.12	3.7	0.17	2.4	0.13	1.8	3.2	90	0.4	11.5	4.7	66	0.95	2.05		2.15	34.405	25.4	8.22	6.74		
SSW28"	6/24/99		0.13	4.0	0.23	3.2	0.06	0.8	2.5	70	0.3	10.5	5.0	70	0.97	2.15		2.19	34.399	25.4	8.22	6.68		
SSW28"	6/29/99		0.13	4.0	0.07	1.0	0.10	1.4	1.9	52	0.4	13.0	5.6	78	1.01	1.75		2.17	34.398	25.9	8.22	6.58		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		NO_3^- & NO_2^-		NH_4^+ & NH_3		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/8/99		0.12	3.7	0.18	2.5	0.05	0.7	2.4	66	0.4	12.1	5.4	75	1.03	1.80		2.40	34.041	26.2	8.20	6.58		
SSW28"	7/12/99		0.11	3.4	0.14	2.0	0.08	1.1	1.8	51	0.4	12.4	6.0	84	1.07	2.25		2.27	34.965	26.0	8.22	6.63		
SSW28"	7/20/99		0.12	3.7	0.22	3.1	0.33	4.6	2.3	63	0.4	12.1	5.2	73	0.98	2.05		2.37	34.917	27.8	8.22	6.63		
SSW28"	7/27/99		0.11	3.4	0.08	1.1	0.23	3.2	1.7	48	0.4	11.2	4.8	68	1.09	2.45		2.30	34.872	26.2	8.25	6.86		
SSW28"	8/5/99		0.14	4.3	0.10	1.4	0.25	3.5	2.6	74	0.4	12.4	5.1	71	1.03	1.80		2.17	34.882	26.5	8.24	6.65		
SSW28"	8/11/99		0.11	3.4	0.17	2.4	0.28	3.9	3.4	94	0.4	11.5	3.7	52	0.98	2.80		2.29	34.927	26.2	8.44	6.55		
SSW28"	8/18/99		0.16	5.0	0.14	2.0	0.28	3.9	2.0	56	0.4	11.8	4.8	68	1.08	3.35		2.24	34.892	25.5	8.29	6.61		
SSW28"	8/24/99		0.09	2.8	0.06	0.8	0.02	0.3	2.3	66	0.3	10.2	4.5	63	1.02	1.75		2.38	34.910	26.4	8.26	6.56		
SSW28"	8/31/99		0.12	3.7	0.05	0.7	0.20	2.8	2.9	81	0.3	9.6	5.0	70	1.08	2.25		2.42	34.926	26.2	8.31	6.50		
SSW28"	9/8/99		0.16	5.0	0.15	2.1	0.02	0.3	2.3	63	0.4	11.2	5.5	76	1.06	2.60		2.45	35.033	26.3	8.29	6.57		
SSW28"	9/15/99		0.16	5.0	0.13	1.8	0.05	0.7	1.6	44	0.4	13.0	4.6	65	1.03	1.85		2.35	34.495	26.1	8.27	6.59		
SSW28"	9/20/99		0.13	4.0	0.08	1.1	0.11	1.5	2.4	67	0.4	11.5	5.5	77	1.13	2.75		2.34	35.005	27.2	8.29	6.63		
SSW28"	9/30/99		0.11	3.4	0.09	1.3	0.12	1.7	1.9	53	0.3	10.2	4.8	68	1.03	5.05		2.40	35.003	26.0	8.29	6.76		
SSW28"	10/12/99		0.07	2.2	0.05	0.7	0.23	3.2	2.9	82	0.2	7.4	5.1	71	1.06	1.75		2.23	35.038	25.9	8.27	6.74		
SSW28"	11/3/99		0.10	3.1	0.06	0.8	0.23	3.2	2.0	56	0.3	9.6	5.0	70	1.01	2.80		2.23	35.085	26.1	8.28	6.46		
SSW28"	12/15/99		0.09	2.8	0.07	1.0	0.08	1.1	3.1	88	0.3	8.7	5.5	77	0.98	2.75		2.22	35.128	24.7	8.21	6.29		
SSW28"	1/10/00		0.07	2.2	0.19	2.7	0.16	2.2	3.4	95	0.3	9.0	5.2	73	0.94	1.15		2.38	35.126	25.1	8.23	6.79		
SSW28"	2/7/00		0.11	3.4	0.06	0.8	0.34	4.8	2.3	65	0.4	10.8	5.0	69	0.99	2.20		2.32	35.129	23.4	8.26	6.74		
SSW28"	3/1/00		0.21	6.5	0.35	4.9	0.27	3.8	5.8	163	0.4	12.4	4.9	69	1.08	2.35		2.28	34.822	23.9	8.26	6.69		
SSW28"	4/10/00		0.16	5.0	0.17	2.4	0.06	0.8	7.6	215	0.3	9.6	5.2	73	1.03	2.55		2.25	34.932	23.8	8.26	6.66		
SSW28"	5/15/00		0.08	2.5	0.08	1.1	0.10	1.4	1.7	47	0.3	9.9	5.0	70	1.01	2.35		2.23	34.721	25.0	8.27	6.71		
SSW28"	6/6/00		0.13	4.0	0.03	0.4	0.01	0.1	2.0	56	0.2	6.8	5.2	72	1.01	2.15		2.24	34.725	25.5	8.25	6.67		
SSW28"	7/26/00		0.11	3.4	0.16	2.2	0.09	1.3	3.1	88	0.4	12.1	5.1	71	0.97	2.30		2.27	34.899	26.2	8.27	6.50		
SSW28"	8/30/00		0.09	2.8	0.08	1.1	0.09	1.3	2.3	63	0.3	9.3	5.4	75	0.98	2.20		2.38	34.958	26.4	8.22	6.32		
SSW28"	9/6/00		0.11	3.4	0.03	0.4	0.08	1.1	1.7	48	0.3	9.6	5.3	74	0.98	3.30		2.42	34.955	25.5	8.23	6.50		
SSW28"	10/20/00		0.15	4.6	0.41	5.7	0.11	1.5	3.9	110	0.4	11.5	5.3	75	0.97	3.00		2.40	34.912	26.4	8.26	6.35		
SSW28"	11/14/00		0.13	4.0	0.09	1.3	0.32	4.5	2.8	78	0.3	8.7	4.9	68	1.32	2.65		2.38	35.054	27.1	8.24	6.31		
SSW28"	12/20/00		0.13	4.0	0.28	3.9	0.30	4.2	4.0	112	0.3	10.5	5.6	79	1.19	2.70		2.27	34.785	24.0	8.26	6.43		
SSW28"	1/23/01		0.14	4.3	0.03	0.4	0.13	1.8	3.2	89	0.3	10.5	5.2	73	1.12	2.65		2.28	34.789	24.5	8.23	6.27		
SSW28"	2/5/01		0.13	4.0	0.04	0.6	0.11	1.5	2.6	72	0.3	9.6	5.1	71	1.03	2.65		2.30	34.957	23.6	8.22	6.25		
SSW28"	3/5/01		0.15	4.6	0.15	2.1	0.17	2.4	5.1	142	0.4	13.3	5.1	72	1.02	1.85		2.27	34.734	24.1	8.19	6.18		
SSW28"	4/16/01		0.09	2.8	0.12	1.7	0.04	0.6	11.8	333	0.3	10.5	4.5	63	1.03	2.45		2.28	34.778	24.2	8.21	6.93		
SSW28"	5/9/01		0.14	4.3	0.14	2.0	0.42	5.9	5.2	146	0.5	14.2	5.5	77	1.02	2.00		2.26	34.761	24.8	8.20	6.67		
SSW28"	6/8/01		0.14	4.3	0.15	2.1	0.18	2.5	2.8	78	0.3	10.5	6.0	84	1.11	2.65		2.28	34.794	25.9	8.22	6.54		
SSW28"	7/24/01		0.17	5.3	0.15	2.1	0.05	0.7	1.9	52	0.4	11.8	4.7	65	0.91	2.20		2.26	34.766	25.6	8.20	6.52		
SSW28"	8/22/01		0.19	5.9	0.21	2.9	0.05	0.7	3.7	104	0.4	12.7	4.7	66	0.93	2.80		2.25	34.852	26.1	8.17	6.32		
SSW28"	9/18/01		0.17	5.3	0.22	3.1	0.11	1.5	1.6	45	0.4	11.5	5.5	76	0.99	2.15		2.31	34.940	26.4	8.21	6.33		
SSW28"	10/9/01		0.17	5.3	0.35	4.9	0.11	1.5	1.6	45	0.4	11.5	5.8	81	0.99	2.95		2.28	34.941	26.3	8.19	6.97		
SSW28"	11/6/01		0.23	7.1	0.25	3.5	0.02	0.3	2.9	81	0.4	13.6	5.7	80	1.02	2.95		2.30	34.951	25.9	8.22	6.40		
SSW28"	12/18/01		0.11	3.4	0.22	3.1	0.22	3.1	1.6	44	0.3	9.3	5.4	76	0.98	2.45		2.28	34.988	25.0	8.21	6.54		
SSW28"	1/8/02		0.20	6.2	0.26	3.6	0.29	4.1	4.7	131	0.4	12.4	5.2	72	1.05	2.80		2.27	34.832	25.1	8.22	6.29		
SSW28"	2/27/02		0.17	5.3	0.15	2.1	0.09	1.3	8.8	247	0.4	11.8	6.3	88	1.09	2.35		2.34	34.913	23.5	8.22	6.24		
SSW28"	3/19/02		0.12	3.7	0.20	2.8	0.16	2.2	1.6	44	0.4	11.8	5.4	75	0.89	1.35		2.32	34.601	23.9	8.23	6.30		
SSW28"	4/9/02		0.19	5.9	0.28	3.9	0.11	1.5	5.1	143	0.4	11.8	5.3	75	0.87	2.20		2.31	34.577	24.7	8.19	6.18		
SSW28"	5/21/02		0.15	4.6	0.08	1.1	0.10	1.4	1.2	33	0.4	11.5	6.3	88	1.02	2.05		2.35	34.731	25.6	8.22	6.74		
SSW28"	6/18/02		0.16	5.0	0.30	4.2	0.12	1.7	2.6	72	0.4	11.2	5.7	80	0.86	0.65		2.31	34.574	26.2	8.21	6.38		
SSW28"	7/17/02		0.11	3.4	0.15	2.1	0.13	1.8	2.1	59	0.3	9.6	6.9	97	1.04	2.25		2.32	34.875	25.9	8.23	6.48		
SSW28"	8/22/02		0.12	3.7	0.14	2.0	0.18	2.5	4.2	117	0.3	10.5	6.3	88	0.91	2.30		2.35	34.792	26.9	8.22	6.44		
SSW28"	9/24/02		0.11	3.4	0.11	1.5	0.23	3.2	1.7	47	0.3	9.6	4.7	66	0.97	1.90		2.35	34.930	26.0	8.25	6.58		
SSW28"	10/16/02		0.08	2.5	0.16	2.2	0.32	4.5	1.6	45	0.4	12.1	5.5	77	0.96	1.60		2.35	34.920	26.5	8.24	6.43		
SSW28"	11/6/02		0.17	5.3	0.27	3.8	0.24	3.4	1.9	54	0.4	11.2	5.7	79	0.92	1.15		2.35	34.889	24.2	8.23	6.33		
SSW28"	12/19/02		0.17	5.3	0.30	4.2	0.05	0.7	1.0	29	0.3	10.5	5.5	78	0.89	2.50		2.36	35.017	23.7	8.24	6.53		
SSW28"	1/29/03		0.18	5.6	0.40	5.6	0.10	1.4	11.2	315	0.3	10.5	4.8	67	0.88	1.85		2.36	35.084	23.3	8.24	7.34		
SSW28"	2/10/03		0.10	3.1	0.12	1.7	0.02	0.3	7.8	219	0.4	10.8	5.3	75	0.78	1.90		2.33	34.617	23.1	8.25	6.66		
SSW28"	3/18/03		0.15	4.6	0.10	1.4	0.05	0.7	2.1	58	0.4	11.2	2.6	37	0.84	1.95		2.29	34.802	26.1	8.24	6.69		
SSW28"	4/29/03		0.18	5.6	0.20	2.8	0.12	1.7	5.0	140	0.5	13.9	3.3	46	1.05	1.75		2.30	34.778	24.7	8.27	7.09		
SSW28"	5/13/03		0.16	5.0	0.31	4.3	0.05	0.7	15.0	422	0.4	11.8	5.3	74	1.03	1.65		2.26	34.659	24.9	8.27	6.62		
SSW28"	6/5/03		0.15	4.6	0.04	0.6	0.07	1.0	5.4	152	0.4	11.5	4.8	67	1.10	1.90		2.27	34.625	26.7	8.27	6.74		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/31/03		0.14	4.3	0.37	5.2	0.10	1.4	4.1	114	0.4	11.5	5.3	75		2.15		2.27	34.826	27.0	8.23	6.76		
SSW28"	8/27/03		0.11	3.4	0.33	4.6	0.05	0.7	2.2	61	0.4	11.2	6.1	85		2.30		2.24	34.820	27.3	8.25	6.43		
SSW28"	9/17/03		0.11	3.4	0.42	5.9	0.03	0.4	2.0	55	0.5	13.9	6.3	88		3.30		2.29	34.692	26.9	8.23	6.42		
SSW28"	10/7/03		0.14	4.3	0.33	4.6	0.23	3.2	1.8	50	0.4	12.1	7.1	99		2.35		2.32	34.766	26.6	8.23	NA		
SSW28"	11/4/03		0.14	4.3	0.26	3.6	0.05	0.7	3.6	100	0.4	12.4	6.1	86		2.60		2.29	34.706	26.1	8.24	NA		
SSW28"	11/14/03																			26.3		6.35		
SSW28"	12/16/03		0.12	3.7	0.44	6.2	0.05	0.7	1.8	51	0.4	12.1	5.6	79		2.20		2.18	34.825	24.4	8.24	6.45		
SSW28"	1/27/04		0.16	5.0	0.32	4.5	0.31	4.3	5.6	156	0.4	12.1	4.5	63		0.65		2.16	34.459	22.6	8.24	6.30		
SSW28"	2/10/04		0.16	5.0	0.31	4.3	0.07	1.0	3.7	105	0.4	12.4	5.8	81		1.20		2.14	34.406	24.6	8.24	6.56		
SSW28"	3/15/04		0.21	6.5	0.29	4.1	0.20	2.8	2.2	61	0.5	14.2	4.9	68		0.65		2.18	34.417	25.0	8.24	6.17		
SSW28"	4/21/04		0.18	5.6	0.10	1.4	0.34	4.8	3.9	109	0.5	15.5	5.2	73		0.35		2.24	34.266	24.3	8.24	6.67		
SSW28"	5/12/04		0.18	5.6	0.19	2.7	0.30	4.2	2.5	69	0.4	13.0	6.2	86		0.20		2.25	33.510	26.0	8.26	6.79		
SSW28"	6/7/04		0.16	5.0	0.34	4.8	0.17	2.4	4.9	139	0.4	13.6	7.9	110		0.85		2.27	33.460	25.6	8.21	6.51		
SSW28"	7/8/04		0.12	3.7	0.37	5.2	0.20	2.8	4.0	111	0.4	12.7	5.6	79	0.86	0.85		2.32	33.610	25.9	8.24	6.40		
SSW28"	8/24/04		0.14	4.3	0.40	5.6	0.34	4.8	3.1	86	0.4	12.1	5.2	73		0.90		2.34	33.670	26.0	8.24	6.19		
SSW28"	9/2/04		0.11	3.4	0.36	5.0	0.19	2.7	1.7	49	0.4	10.8	5.9	83		3.00		2.34	33.740	26.7	8.25	6.24		
SSW28"	10/1/04		0.10	3.1	0.28	3.9	0.22	3.1	2.1	60	0.4	10.8	5.5	77		1.25		2.31	33.740	27.3	8.26	7.93		
SSW28"	11/8/04		0.13	4.0	0.48	6.7	0.18	2.5	2.7	76	0.4	11.2	5.4	76		0.40		2.32	33.680	26.1	8.24	6.24		
SSW28"	12/7/04		0.11	3.4	0.39	5.5	0.26	3.6	1.6	45	0.3	10.2	5.5	77		1.95		2.31	33.770	23.8	8.27	6.36		
SSW28"	1/11/05		0.11	3.4	0.24	3.4	0.07	1.0	4.2	118	0.3	10.2	4.8	67		0.55		2.37	34.792	22.8	8.32	6.49		
SSW28"	2/8/05		0.11	3.4	0.26	3.6	0.06	0.8	2.9	80	0.3	10.2	5.4	76		1.90		2.35	34.794	22.6	8.32	6.65		
SSW28"	3/23/05		0.11	3.4	0.03	0.4	0.19	2.7	1.9	52	0.4	11.5	3.4	47	1.05	1.40		2.36	34.771	23.7	8.30	6.58	348	4208
SSW28"	4/21/05		0.18	5.6	0.15	2.1	0.27	3.8	2.0	56	0.4	11.8	5.4	76		0.85		2.30	34.560	24.3	8.30	6.33	297	2627
SSW28"	5/26/05	905	0.14	4.3	0.09	1.3	0.26	3.6	2.4	66	0.4	13.0	4.9	68		5.30		2.30	34.516	24.4	8.25	6.63	14800	5000
SSW28"	6/16/05	840	0.12	3.7	0.10	1.4	0.41	5.7	2.4	68	0.4	11.5	4.7	66		1.35		2.31	34.657	25.6	8.24	6.35	517	2127
SSW28"	7/27/05	825	0.11	3.4	0.37	5.2	0.05	0.7	2.3	65	0.4	10.8	4.4	61	0.95	0.70		2.33	34.692	22.5	8.29	6.11	280	4700
SSW28"	8/11/05	740	0.12	3.7	0.66	9.2	0.34	4.8	1.9	52	0.4	10.8	4.9	69	0.86	3.25		2.30	34.733	26.3	8.30	6.10	1081	4333
SSW28"	9/14/05	808	0.13	4.0	0.47	6.6	0.31	4.3	1.8	49	0.4	11.5	3.5	50	1.31	4.35		2.31	34.796	26.1	8.28	6.15	1119	4533
SSW28"	10/10/05	912	0.11	3.4	0.26	3.6	0.30	4.2	3.5	97	0.4	11.5	5.0	70	1.14	2.35		2.33	34.833	27.1	8.32	6.26	913	12133
SSW28"	11/2/05	802	0.10	3.1	0.26	3.6	0.40	5.6	7.3	205	0.4	10.8	4.3	60	0.69	2.30		2.37	34.948	25.3	8.28	6.41	1600	13400
SSW28"	12/20/05	809	0.09	2.8	0.14	2.0	0.40	5.6	1.3	37	0.3	9.9	5.0	69	0.86	2.25		2.51	34.936	25.0	8.31	6.50	1800	6233
SSW28"	1/26/06	811	0.11	3.4	0.33	4.6	0.27	3.8	2.6	73	0.3	9.6	5.3	74		1.70		2.15	35.052	23.1	8.26	6.45	1100	6188
SSW28"	2/28/06	820	0.12	3.7	0.32	4.5	0.43	6.0	6.7	189	0.9	27.9	6.4	89		2.85		2.13	34.925	24.0	8.26	6.59	1944	20100
SSW28"	3/23/06	820	0.12	3.7	0.21	2.9	0.48	6.7	4.2	118	0.4	12.7	5.4	75		1.00		2.11	34.754	23.5	8.26	6.66	1367	9675
SSW28"	4/18/06	857	0.16	5.0	0.33	4.6	0.28	3.9	2.1	59	0.3	10.5	6.0	83	1.17	2.70		2.24	34.726	24.9	8.27	6.64	1617	13225
SSW28"	5/18/06	905	0.13	4.0	0.16	2.2	0.15	2.1	2.0	56	0.4	12.7	4.7	66	0.86	2.15		2.23	34.721	24.9	8.25	6.50	1613	8288
SSW28"	6/29/06	1045	0.14	4.3	0.47	6.6	0.29	4.1	2.8	78	0.3	9.9	5.3	74	0.89	1.00		2.25	34.759	28.0	8.23	6.25	1319	22000
SSW28"	7/25/06	850	0.13	4.0	0.33	4.6	0.33	4.6	2.0	55	0.3	10.5	6.2	87	0.93	1.35		2.28	34.802	25.8	8.24	6.92	2767	15100
SSW28"	8/10/06	925	0.14	4.3	0.39	5.5	0.30	4.2	1.5	41	0.4	11.8	6.0	84	0.85	2.40		2.27	34.695	26.8	8.23	6.48	3075	51900
SSW28"	9/21/06	900	0.14	4.3	0.39	5.5	0.22	3.1	3.0	83	0.3	9.9	4.7	65	0.82	1.05		2.25	34.752	25.5	8.23	6.49	1075	2888
SSW28"	10/26/06	850	0.15	4.6	0.57	8.0	0.35	4.9	3.5	97	0.3	10.5	5.6	78	0.91	1.70		2.24	34.803	26.7	8.27	7.03	1976	8125
SSW28"	11/30/06	925	0.16	5.0	0.48	6.7	0.22	3.1	1.1	32	0.4	11.5	5.6	79	0.94	2.55		2.48	34.876	25.1	8.25	6.36	2013	36600
SSW28"	12/14/06	935	0.17	5.3	0.34	4.8	0.37	5.2	1.7	47	0.4	12.1	5.8	81	0.88	1.80		2.30	34.803	25.7	8.24	6.56	2213	20000
SSW28"	1/11/07	930	0.17	5.3	0.46	6.4	0.33	4.6	0.4	11	0.4	11.2	5.1	71	0.88	2.10		2.41	34.911	24.1	8.25	6.16	1625	5575
SSW28"	2/15/07	930	0.20	6.2	0.20	2.8	0.49	6.9	2.0	57	0.4	13.6	5.8	81	0.97	1.90		2.31	34.489	23.3	8.23	6.37	1800	9763
SSW28"	3/8/07	950	0.18	5.6	0.30	4.2	0.37	5.2	4.3	121	0.5	14.6	6.3	88	0.86	1.80		1.94	34.538	24.7	8.25	6.34	825	7688
SSW28"	4/12/07	930	0.20	6.2	1.42	19.9	0.47	6.6	2.8	79	0.4	13.3	5.6	79	0.81	1.35		1.83	34.679	25.5	8.26	6.13	3288	12288
SSW28"	5/9/07	945	0.19	5.9	0.38	5.3	0.44	6.2	1.5	43	0.4	13.3	6.5	91	0.98	1.80		1.97	34.751	25.8	8.26	6.44	2200	21300
SSW28"	6/27/07	900	0.17	5.3	0.56	7.9	0.07	1.0	2.9	81	0.0		0.0			2.15		2.56	34.790	26.7	8.28	6.55	1838	12633
SSW28"	7/30/07	1012	0.20	6.1	0.05	0.7	0.32	4.5	3.9	109	0.35	10.8	7.0	98		2.80		2.45	35.000	26.6	8.12	6.3		
SSW28"	8/30/07	1215	0.15	4.8	0.16	2.3	0.54	7.5	1.4	40	0.24	7.3	5.2	72		2.55		2.47	34.879	26.8	8.21	6.2		
SSW28"	9/21/07	1132	0.18	5.5	0.16	2.2	0.34	4.8	1.8	52	0.39	12.2	11.7	163		1.95		2.43	34.937	27.2	8.23	6.3		
SSW28"	10/30/07	1131	0.19	5.8	0.19	2.6	0.45	6.3	18.2	512	0.24	7.5	5.7	80		1.10		2.51	35.080	26.8	8.25	6.2		
SSW28"	11/27/07	1255	0.19	5.9	0.01	0.2	0.42	5.9	1.8	52	0.30	9.2	6.6	93		1.10		2.40	34.955	26.3	8.24	6.1		
SSW28"	12/28/07	1531	0.07	2.1	0.13	1.8	0.03	0.4	2.4	69	0.00		0.0			0.80		2.58	34.833	25.3	8.20	6.0		
SSW28"	1/30/08	924	0.08	2.5	0.16	2.3	0.18	2.5	28.2	792	0.00		0.0			1.55		2.41	34.940	24.2	8.13	6.1		
SSW28"	2/28/08	1419	0.04	1.2	0.19	2.7	0.05	0.7	5.2	146	0.29	9.1	7.6	106		2.40		2.42	34.950	24.5	8.13	6.5		
SSW28"	3/31/08	1146	0.04	1.2	0.06	0.9	0.05	0.7	8.8	247	0.36	11.0	7.1	99		2.60		2.40	34.900	24.5	8.15	6.5		
SSW28"	4/25/08	916	0.15	4.6	0.33	4.6	0.15	2.1	2.0	57	0.33	10.2	5.0	70		0.90		2.55	34.622	25.0	8.18	6.6		
SSW28"	5/23/08	933	0.14	4.4	0.17	2.4	0.16	2.3	NA	NA	0.22	6.9	5.2	73		6.30		2.34	34.805	25.3	8.29	6.4		
SSW28"	6/15/08	945	0.11	3.3	0.12	1.7	0.18	2.5	3.0	84	0.25	7.6	10.5	147		0.55		NA	34.648	25.3	8.25	6.1		

NELHA Water Quality Laboratory

SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/18/08	1400	0.14	4.4	0.17	2.4	0.09	1.3	1.8	51	0.05	1.5	9.8	137		0.25			34.719	26.2	8.11	6.2		
SSW28"	8/13/08	1209	0.58	18.1	0.34	4.7	0.58	8.1	8.5	238	0.20	6.1	7.9	110		0.31			34.408	26.4	8.03			
SSW28"	9/8/08	1041	0.05	1.7	0.36	5.0	4.61	64.6	2.3	65	0.15	4.6	7.1	99		1.06			34.88	26.1	8.06			
SSW28"	10/23/08	1112	0.22	6.9	0.40	5.6	0.80	11.2	1.3	37	0.81	25.1	10.0	139		0.29			35.09	26.2	8.19	4.9		
SSW28"	11/28/08	1047	0.09	2.8	0.49	6.8	0.18	2.5	2.0	55	0.41	12.7	5.3	74		2.30			35.15	25.3	8.28	5.9		
SSW28"	12/30/08	948	0.13	3.9	0.21	2.9	0.44	6.1	1.7	48	0.37	11.4	7.0	98		1.07			35.24	25.3	8.24	5.8		
SSW28"	1/12/09	1152	0.20	6.3	0.46	6.4	0.12	1.7	2.4	67	0.49	15.3	10.5	147		0.61			35.008	25.2	8.30	6.2		
SSW28"	2/20/09	1320	0.12	3.6	0.27	3.8	1.06	14.9	2.5	71	0.70	21.7	10.7	150		2.01	0.11		35.16	24.1	8.23	6.6		
SSW28"	3/30/09	1315	0.21	6.4	0.99	13.8	0.37	5.2	3.0	83	0.44	13.7	4.6	65		N/A			35.136	24.0	8.28	6.7		
SSW28"	4/30/09	1025	0.36	11.3	0.25	3.5	1.26	17.6	2.2	62	0.53	16.4	7.5	105		0.66			35.000	23.6	8.19	6.7		
SSW28"	5/15/09	1400	0.24	7.3	0.47	6.6	0.19	2.7	1.6	45	0.87	27.1	7.1	99		0.85			35.15	25.4	NA	6.3		
SSW28"	6/10/09	1053	0.52	16.1	0.26	3.7	0.29	4.1	2.0	57	0.66	20.3	6.2	87		0.67			34.617	27.0	8.29	5.8		
SSW28"	7/10/09	1045	0.41	12.8	0.67	9.4	0.59	8.3	7.4	209	0.33	10.3	6.8	95		0.98			35.21	26.2	8.47	6.3		
SSW28"	8/27/09	1009	0.15	4.8	0.22	3.1	0.19	2.7	3.4	95	0.28	8.8	6.7	93		0.64	0.04		34.97	26.6	8.20	6.0		
SSW28"	9/17/09	1144	0.11	3.4	1.01	14.2	0.74	10.4	15.1	424	0.34	10.4	4.2	59		0.37	0.02		35.37	26.5	8.06	5.9		
SSW28"	10/26/09	1047	0.07	2.1	0.26	3.6	0.25	3.5	3.7	103	0.32	9.8	5.2	74		0.58			35.40	26.6	8.47	5.8		
SSW28"	11/19/09	1431	0.16	5.1	0.25	3.5	0.55	7.7	1.7	48	0.47	14.5	8.6	121		0.84			35.47	25.9	8.30	6.1		
SSW28"	12/3/09	935	0.15	4.6	0.20	2.8	0.49	6.9	4.4	123	0.39	12.2	4.1	58		0.80			35.33	24.7	8.18	6.2		
SSW28"	1/14/10	940	0.20	6.2	0.31	4.4	0.13	1.8	1.4	39	0.45	13.8	6.1	85		0.15			35.29	25.5	8.20	6.7		
SSW28"	2/16/10	1109	0.18	5.6	0.36	5.0	0.35	4.9	1.0	28	0.44	13.6	4.6	64		0.90			34.86	25.4	8.22	6.1		
SSW28"	3/15/10	903	0.12	3.7	0.06	0.9	0.06	0.8	9.2	259	0.36	11.1	3.7	52		1.20			34.91	24.6	8.20	6.7		
SSW28"	4/1/10	842	0.12	3.8	0.04	0.5	0.37	5.2	2.5	69	0.31	9.7	7.0	99		0.80	0.04		35.13	24.3	8.20	6.7		
SSW28"	5/10/10	846	0.08	2.5	0.64	8.9	0.28	3.9	16.0	450	0.49	15.2	6.7	93		1.65	0.06		35.01	25.3	8.22	6.4		
SSW28"	6/23/10	920	0.04	1.1	0.44	6.2	0.19	2.6	1.2	35	0.36	11.2	6.2	86		1.5	0.09		35.05	25.5	8.22	6.1		
SSW28"	7/1/10	1020	0.04	1.2	0.35	4.9	0.40	5.6	7.7	217	0.4	11.7	7.3	102		0.95	0.06		34.99	25.5	8.21	6.31		
SSW28"	8/5/10	925	0.10	3.1	0.54	7.5	0.16	2.2	2.5	71	0.3	9.9	5.7	80		1.30	0.05		34.85	25.8	8.15	6.37		
SSW28"	9/2/10	939	0.04	1.1	0.28	3.9	0.10	1.4	0.9	26	0.3	10.1	5.2	73		1.35	0.04		34.83	25.9	8.25	6.28		
SSW28"	10/18/10	932	0.11	3.5	0.19	2.7	0.18	2.5	4.7	132	0.6	17.8	7.9	111		1.20	0.05		34.87	26.1	8.19	6.68		
SSW28"	11/4/10	955	0.05	1.7	0.46	6.4	0.19	2.7	3.2	91	0.4	11.0	5.5	77		0.95	0.12		35.00	26.4	8.23	6.15		
SSW28"	12/1/10	953	0.09	2.8	0.26	3.7	0.13	1.8	3.8	106	0.9	27.4	9.5	134		1.90	0.08		34.94	25.9	8.23	6.13		
SSW28"	1/25/11	948	0.18	5.6	0.30	4.2	0.23	3.2	2.2	62	0.6	18.1	6.7	94		0.95	0.02		34.92	25.2	8.21	6.22		
SSW28"	2/8/11	1001	0.14	4.3	0.32	4.5	0.46	6.5	1.3	37	0.5	14.4	5.0	70		1.10	0.07		35.16	25.1	8.25	6.36		
SSW28"	3/7/11	1049	0.22	6.7	0.28	3.9	0.31	4.4	2.2	63	0.6	18.5	4.0	56		0.95	0.09		34.57	25.2	8.23	6.25		
SSW28"	4/11/11	1100	0.16	4.9	0.30	4.2	0.15	2.1	0.7	19	0.4	12.7	4.3	60		1.17	0.09		35.12	25.1	8.17	5.72		
SSW28"	5/25/11	1150	0.10	3.2	0.48	6.7	0.31	4.3	0.7	19	0.4	12.1	4.5	64		1.03	0.06		34.76	25.4	8.24	5.86		
SSW28"	6/13/11	940	0.19	5.8	0.39	5.4	0.56	7.8	0.4	13	0.5	15.1	9.1	127		1.05	0.06		34.79	25.0	8.21	6.99		
SSW28"	7/21/11	840	0.21	6.4	0.45	6.3	0.29	4.1	0.5	15	0.4	12.5	4.7	66		0.90	0.02		34.81	25.5	8.18	6.50		
SSW28"	8/22/11	1008	0.10	3.2	0.36	5.1	0.16	2.3	0.5	14	0.3	9.1	5.0	70		1.03	0.04		34.91	25.6	8.22	6.52		
SSW28"	9/15/11	833	0.09	2.8	0.77	10.8	0.21	3.0	0.6	17	0.4	13.8	5.9	82		0.32	0.05		34.91	26.7	8.19	6.21		
SSW28"	10/4/11	1149	0.11	3.3	0.55	7.7	0.18	2.5	1.5	42	0.4	12.4	3.7	52		0.46	0.02		34.88	26.4	8.19	6.38		
SSW28"	11/21/11	1134	0.09	2.7	0.14	2.0	0.06	0.9	0.7	18	0.4	12.3	4.1	58		1.18	0.08		35.10	25.6	8.18	6.31		
SSW28"	12/27/11	1033	0.01	0.3	0.42	5.9	0.14	1.9	0.5	15	0.3	9.5	6.3	88		2.65	0.02		35.05	24.6	8.22	6.02		
SSW28"	1/30/12	1017	0.07	2.1	0.30	4.2	0.07	1.0	4.1	116	0.4	11.7	6.2	87		0.39	0.02		35.00	24.5	8.21	6.35		
SSW28"	2/27/12	1025	0.08	2.6	0.60	8.4	0.11	1.6	1.8	51	0.4	11.6	7.3	102		0.94	0.02		35.15	24.0	8.21	6.40		
SSW28"	3/28/12	952	0.17	5.2	0.21	2.9	0.58	8.1	0.6	17	0.4	13.8	5.2	73		0.87	0.09		35.04	23.9	8.21	6.39		
SSW28"	4/16/12	952	0.16	5.0	0.46	6.4	0.14	2.0	0.1	4	0.5	14.1	6.1	85		1.01	0.02		34.94	24.6	8.24	6.26		
SSW28"	5/24/12	958	0.15	4.8	0.37	5.2	0.24	3.3	1.9	54	0.5	14.7	5.3	74		0.88	0.05		35.04	24.6	8.22	6.53		
SSW28"	6/19/12	1007	0.14	4.3	0.47	6.6	0.37	5.2	2.8	79	0.4	12.5	10.5	147		0.93	0.09		35.21	24.9	8.22	6.64		

NELHA Water Quality Laboratory

SSW 28"

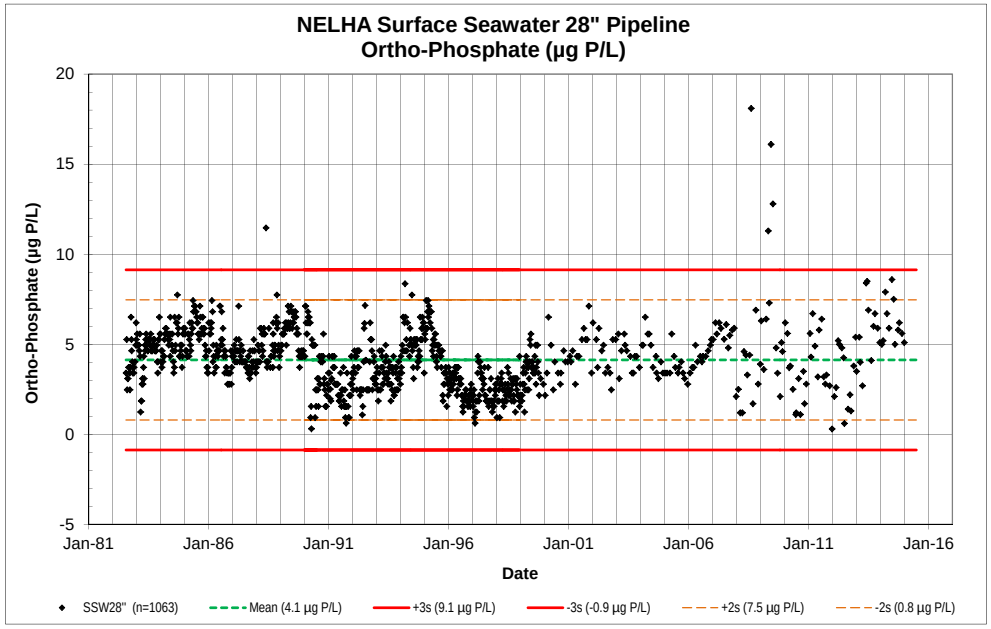
Intake Depth: 21 m, Offshore Pipe Length: 163 m

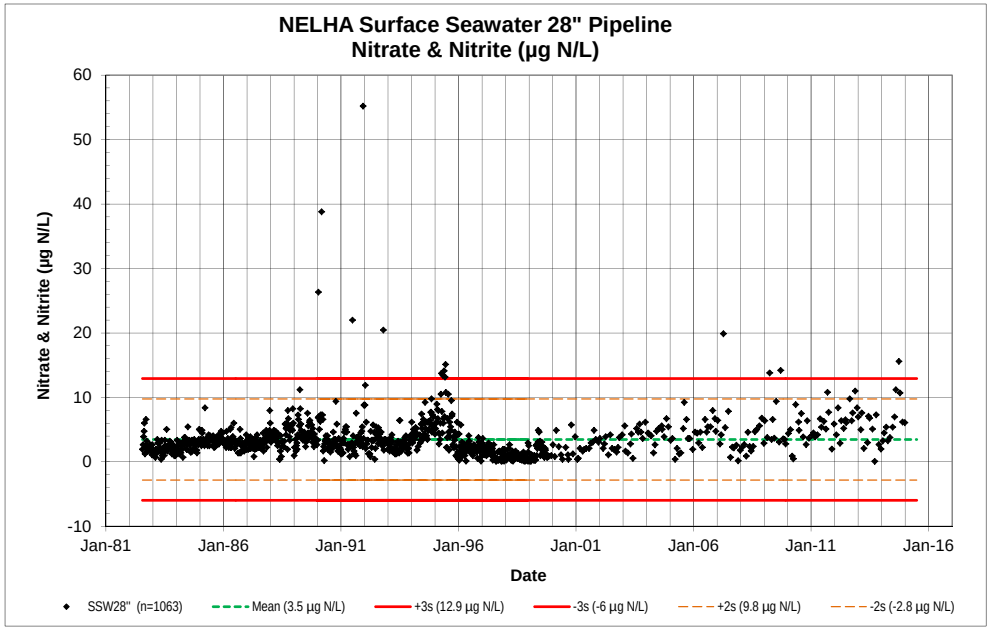
SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW28"	7/3/12	934	0.02	0.6	0.44	6.1	0.29	4.1	2.1	59	0.3	9.9	4.6	64		1.22	0.06		35.24	25.5	8.20	6.94		
SSW28"	8/27/12	1036	0.05	1.4	0.70	9.8	0.45	6.3	2.5	71	0.4	12.4	7.0	99		1.08	0.05		35.30	26.0	8.20	6.30		
SSW28"	9/26/12	1011	0.07	2.2	0.46	6.4	0.14	1.9	1.7	48	0.5	14.5	10.0	141		1.27	0.02		35.27	26.6	8.20	6.02		
SSW28"	10/10/12	936	0.04	1.3	0.54	7.6	0.24	3.4	2.2	62	0.4	12.7	7.1	100		0.97	2.85		35.29	26.5	8.21	5.99		
SSW28"	11/19/12	1309	0.12	3.8	0.79	11.0	0.29	4.1	4.9	137	0.4	12.8	7.1	100		0.72	0.03		35.24	26.0	8.26	6.57		
SSW28"	12/19/12	924	0.17	5.4	0.60	8.4	0.54	7.6	6.2	175	0.5	14.9	6.8	96		2.11	0.03		35.27	25.1	8.24	6.34		
SSW28"	1/4/13	950	0.11	3.5	0.50	7.0	0.19	2.7	0.4	10	0.4	13.3	4.6	64		1.07	0.04		35.28	25.1	8.20	6.28		
SSW28"	2/13/13	1003	0.17	5.4	0.36	5.0	0.14	2.0	1.7	48	0.4	13.7	4.7	65		1.09	0.08		35.19	24.5	8.21	6.03		
SSW28"	3/1/13	1110	0.13	4.0	0.54	7.6	0.47	6.6	1.8	51	0.4	12.9	4.5	62		2.33	0.02		34.97	24.3	8.22	6.36		
SSW28"	4/3/13	1204	0.09	2.7	0.15	2.1	0.14	1.9	2.4	67	0.4	12.3	4.9	68		1.06	0.02		35.30	24.5	8.20	6.33		
SSW28"	5/29/13	1033	0.27	8.4	0.21	3.0	0.36	5.1	1.2	33	0.7	20.8	7.3	103		1.31	0.02		34.97	26.4	8.20	6.09		
SSW28"	6/13/13	1015	0.27	8.5	0.51	7.1	0.50	7.0	1.8	51	0.6	17.8	5.3	74		1.03	0.06		35.09	25.8	8.17	5.96		
SSW28"	7/1/13	926	0.22	6.9	0.49	6.8	0.26	3.7	1.7	47	0.6	17.5	6.8	96		0.90	0.11		34.91	26.3	8.23	6.39		
SSW28"	8/14/13	949	0.13	4.1	0.36	5.1	0.17	2.4	1.8	51	0.4	13.6	5.0	70		1.15	0.03		35.27	26.6	8.23	6.14		
SSW28"	9/18/13	946	0.19	6.0	0.01	0.1	0.38	5.3	1.7	49	0.5	15.5	5.4	76		1.05	0.02		35.03	27.1	8.20	5.92		
SSW28"	10/10/13	922	0.22	6.7	0.52	7.3	0.29	4.0	2.2	63	0.6	18.9	6.1	86		0.86	0.07		35.10	26.0	8.20	6.30		
SSW28"	11/21/13	936	0.19	5.9	0.19	2.7	0.35	4.9	1.8	51	0.5	14.5	4.5	63		1.15	0.02		35.22	26.4	8.21	6.32		
SSW28"	12/23/13	918	0.16	5.1	0.14	2.0	0.34	4.7	1.4	38	0.5	16.4	5.6	78		1.13	0.02		35.24	26.0	8.23	6.08		
SSW28"	1/23/14	1144	0.16	5.0	0.24	3.3	0.30	4.2	1.7	49	0.5	15.2	7.4	104		1.93	0.02		35.27	25.0	8.21	6.46		
SSW28"	2/12/14	1033	0.17	5.2	0.32	4.5	0.61	8.5	2.0	55	0.4	13.7	5.7	80		1.13			34.93	25.6	8.21	6.98		
SSW28"	3/17/14	1007	0.26	7.9	0.39	5.4	0.21	2.9	2.2	61	0.7	20.3	7.5	105		1.40	0.04		34.73	25.5	8.20	6.69		
SSW28"	4/10/14	1101	0.22	6.7	0.24	3.3	0.21	3.0	1.6	44	0.5	15.8	6.6	92		1.51	0.02		34.92	25.6	8.21	6.18		
SSW28"	5/13/14	1426	0.19	5.9	0.27	3.8	0.39	5.4	2.1	58	0.5	14.0	6.6	93		1.20	0.04		34.92	25.8	8.23	6.28		
SSW28"	6/24/14	1229	0.28	8.6	0.39	5.4	0.49	6.8	2.8	78	0.8	24.8	7.3	102		1.32	0.02		34.89	25.9	8.20	6.36		
SSW28"	7/23/14	1155	0.24	7.5	0.50	7.0	0.34	4.7	1.6	44	0.5	15.6	7.6	106		1.47	0.07		35.01	26.5	8.21	6.21		
SSW28"	8/11/14	1118	0.16	5.0	0.80	11.2	0.45	6.3	0.6	17	0.4	11.3	7.9	111		1.80	0.05		34.96	26.0	8.20	5.98		
SSW28"	9/28/14	1123	0.19	5.8	1.11	15.6	0.21	3.0	9.3	260	0.5	15.9	10.3	144		1.64	0.08		35.01	28.0	8.21	5.71		
SSW28"	10/15/14	1252	0.20	6.2	0.76	10.7	0.31	4.3	0.8	22	0.6	17.8	11.0	154		1.51	0.10		35.05	27.8	8.22	5.94		
SSW28"	11/25/14	1212	0.18	5.6	0.44	6.2	0.10	1.4	0.2	6	0.5	14.4	7.5	105		2.35	0.02		34.98	27.1	8.23	6.40		
SSW28"	12/30/14	1022	0.16	5.1	0.44	6.1	0.33	4.6	0.1	3	0.4	13.8	5.4	75		1.12	0.03		35.29	25.2	8.21	6.14		
SSW28"	1/1/15																							
SSW28"	2/1/15																							
SSW28"	3/1/15																							
SSW28"	4/1/15																							
SSW28"	5/1/15																							
SSW28"	6/1/15																							
SSW28"	7/1/15																							
Mean (Jul. '82 - present)			0.13	4.13	0.25	3.48	0.27	3.73	2.92	82.1	0.36	11.2	5.23	73.5	0.92	1.13	0.10	2.31	34.72	25.8	8.26	6.70		
STD DEV			0.05	1.67	0.22	3.15	0.22	3.13	2.50	70.2	0.11	3.2	1.32	18.0	0.44	1.08	0.37	0.09	0.40	1.2	0.05	0.76		
Range																								
UWL	+2s		0.2	7.5	1	9.8	0.71	10.0	8	222	0.6	18	8	110	1.81	3.30	0.83	2.49	35.52	28.2	8.36	8.22		
LWL	-2s		0.0	0.8	0	-2.8	-0.18	-2.5	-2	-58	0.1	5	3	37	0.04	-1.03	-0.63	2.14	33.92	23.3	8.15	5.18		
UCL	+3s		0.3	9.1	1	12.9	0.94	13.1	10	293	0.7	21	9	128	2.25	4.38	1.19	2.58	35.92	29.4	8.42	8.98		
LCL	-3s		0.0	-0.9	0	-6.0	-0.40	-5.7	-5	-128	0.0	2	1	19	-0.40	-2.12	-1.00	2.05	33.53	22.1	8.09	4.42		
Data																								
Max. Value			0.58	18.1	3.94	55.2	4.61	64.6	37.4	1050	1.4	43.1	11.7	163	7.54	11.30	2.85	2.70	35.47	28.5	8.56	21.72		
Min. Value			0.01	0.3	0.01	0.1	0.01	0.1	0.1	3	0.0	1.5	0.0	24	0.32	0.00	0.02	1.83	24.52	21.6	7.97	4.90		

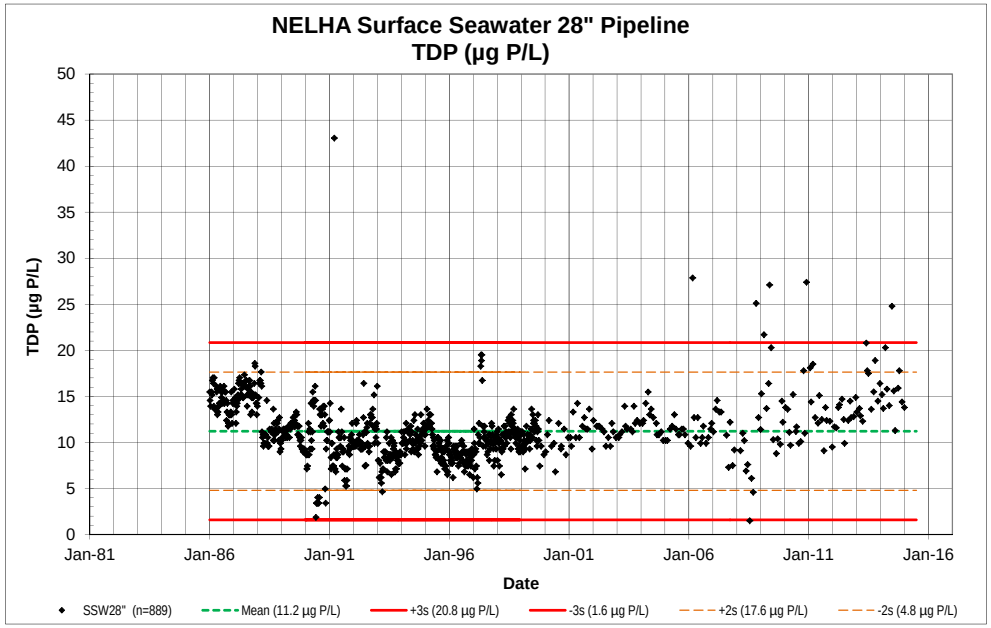
NELHA Water Quality Laboratory

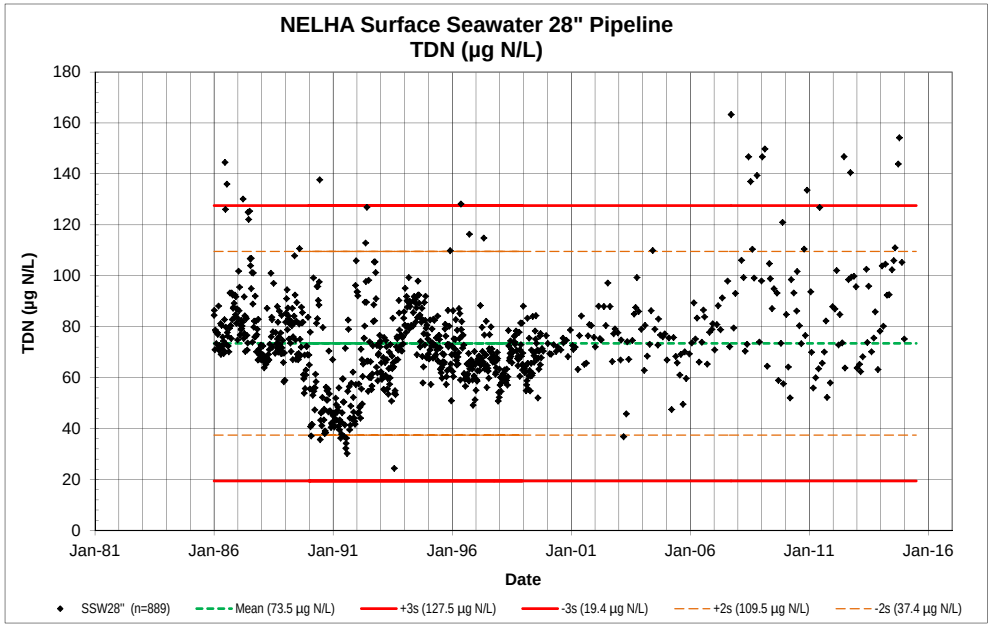
SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m





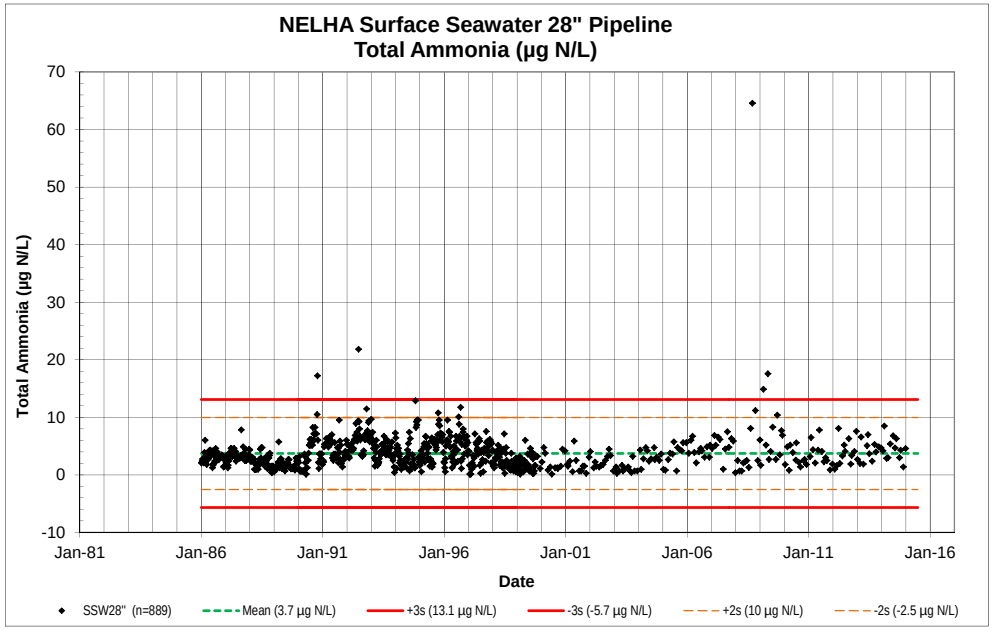


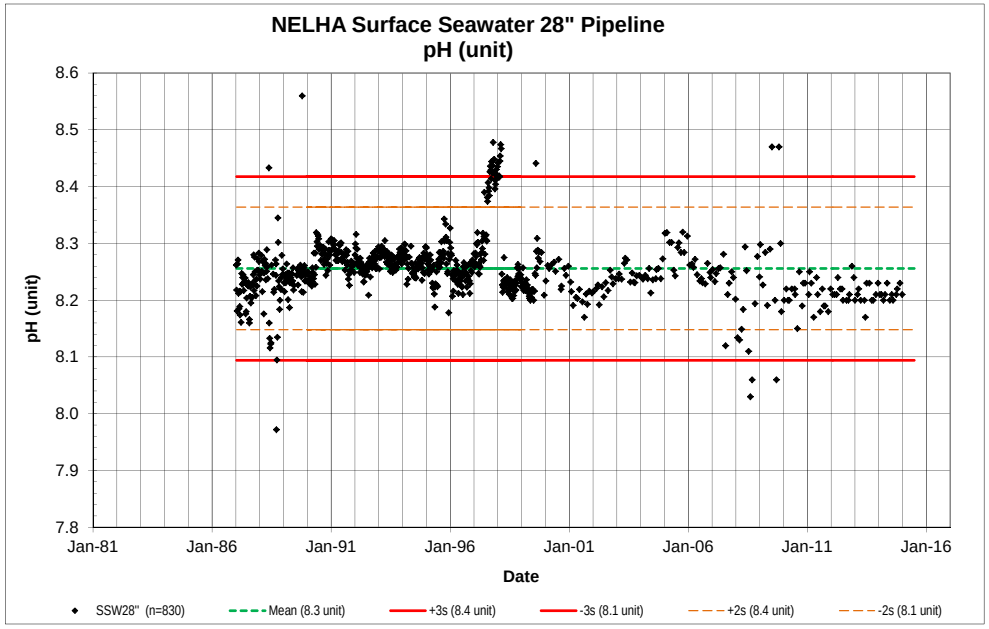


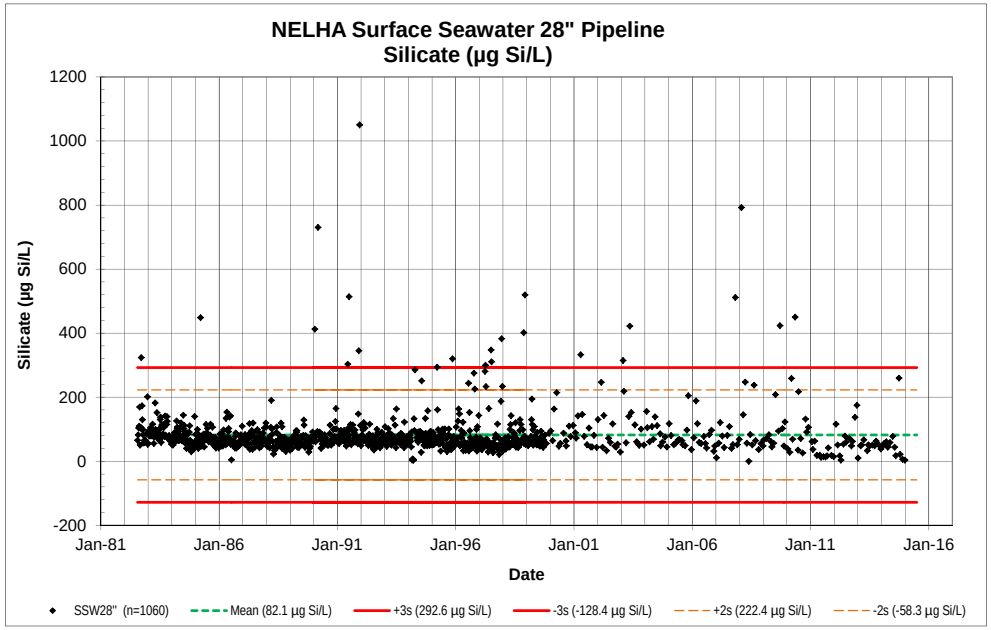
NELHA Water Quality Laboratory

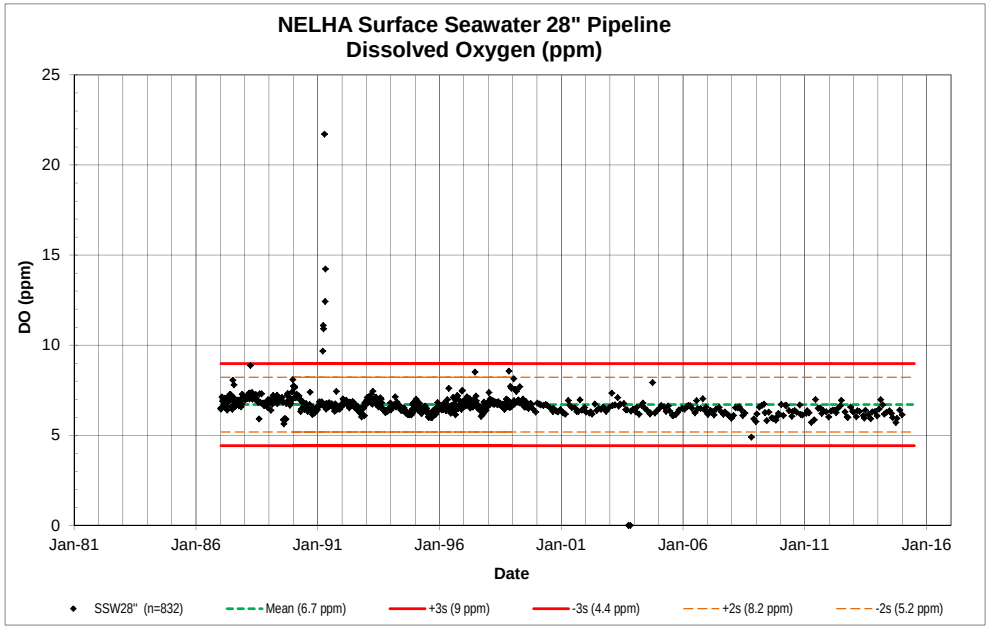
SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m





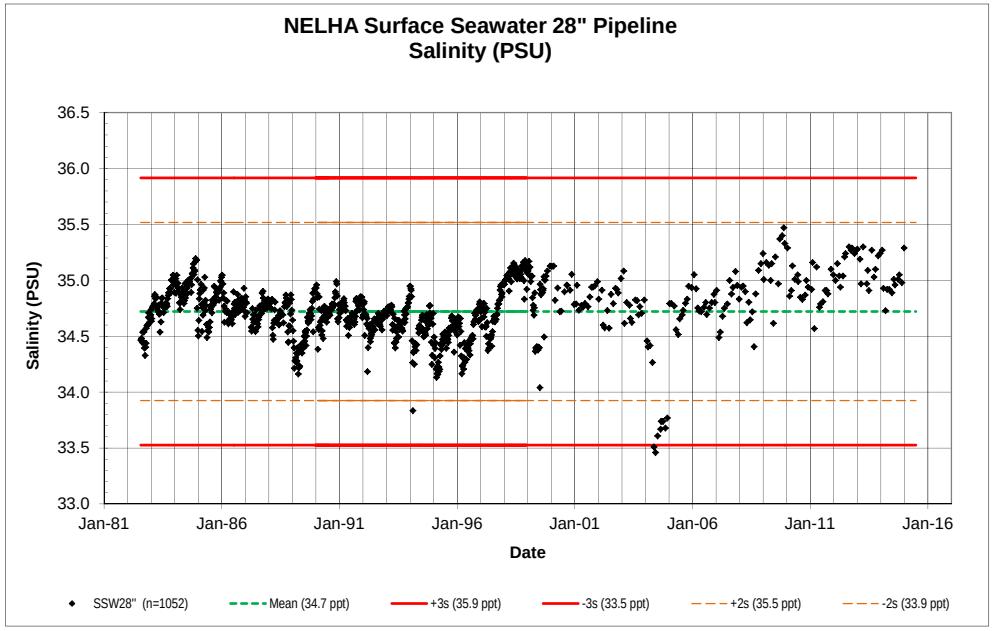


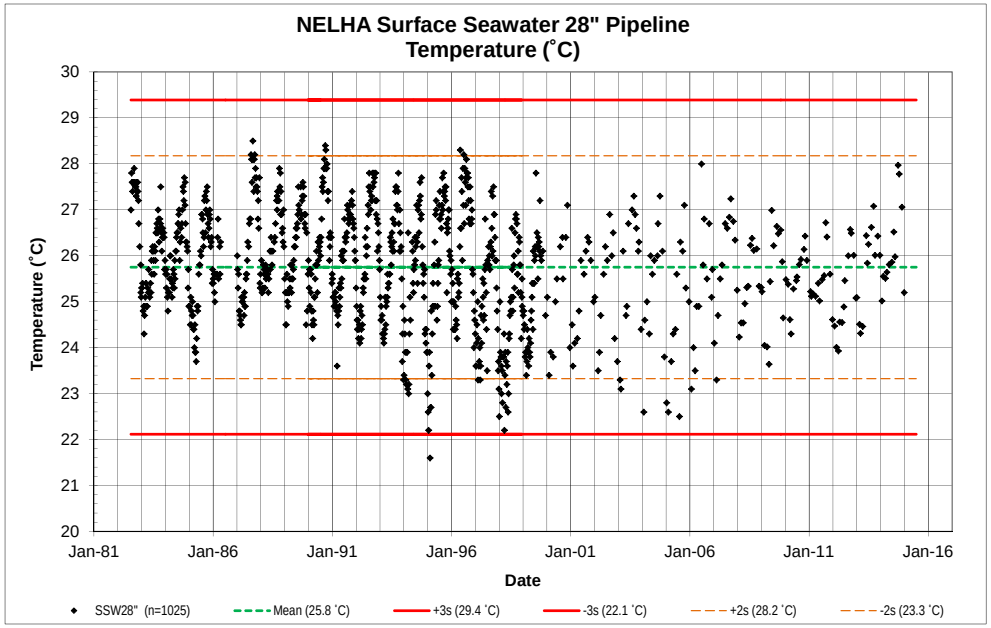


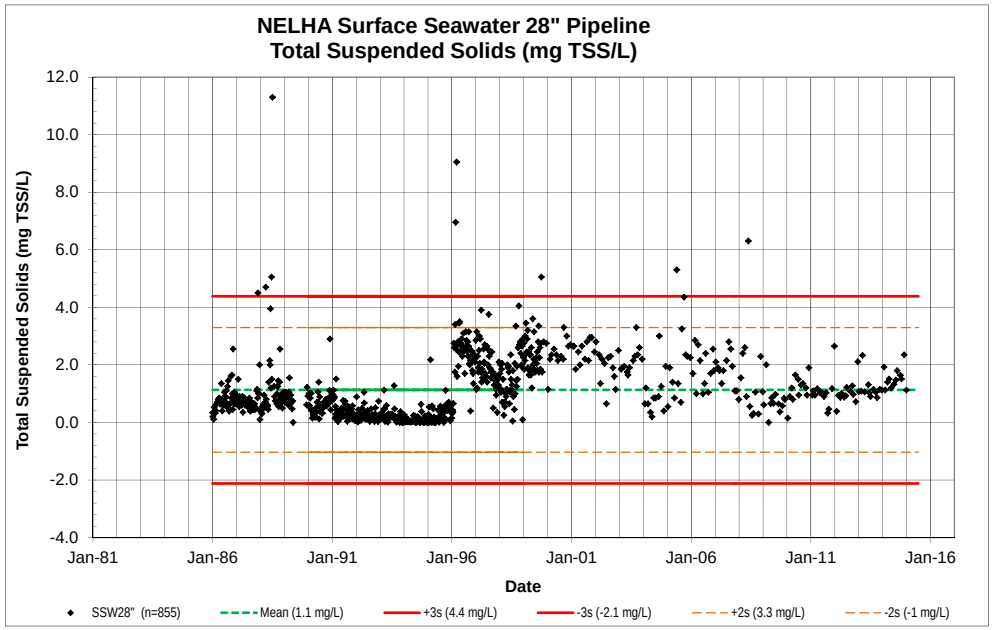
NELHA Water Quality Laboratory

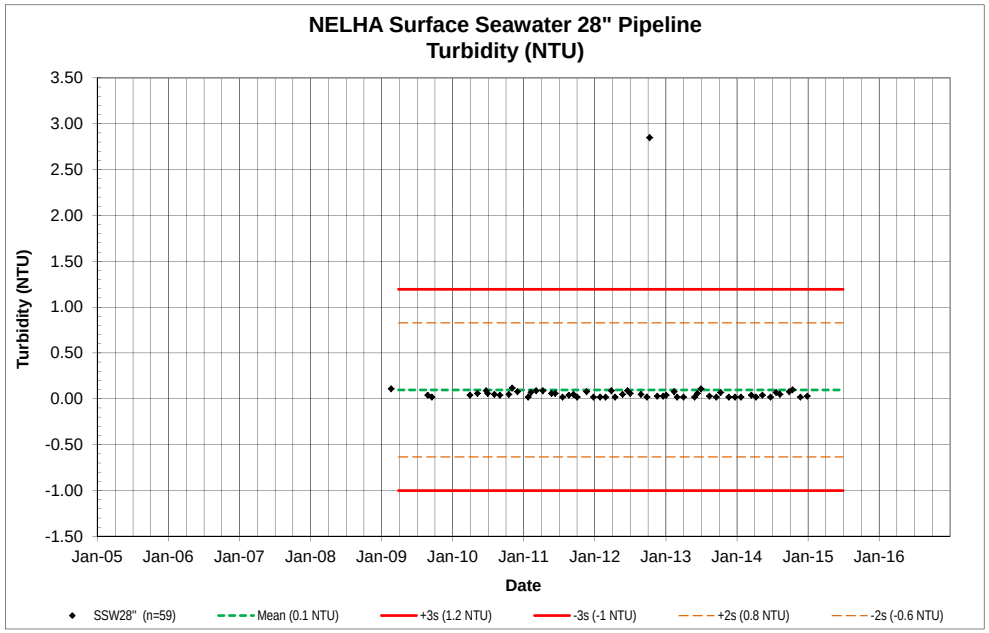
SSW 28"

Intake Depth: 21 m, Offshore Pipe Length: 163 m









NELHA Water Quality Laboratory

SSW 24"

Intake Depth: 10 m, Offshore Pipe Length: 81 m

SITE ID	DATE	TIME	PO_4^{3-}		NO_3^- & NO_2^-		NH_4^+ & NH_3		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW 24"	3/23/05		0.09	2.8	0.0	0.4	0.28	3.9	3.7	105	0.40	12.4	4.1	58	1.05	0.90		2.34	34.721	24.9	8.31	6.84	808	2832
SSW 24"	4/21/05		0.14	4.3	0.0	0.1	0.27	3.8	2.3	65	0.38	11.8	4.4	62		1.95		2.29	34.530	25.1	8.31	6.89	556	4200
SSW 24"	5/26/05	1000	0.13	4.0	0.1	0.8	0.32	4.5	2.6	74	0.43	13.3	3.8	53		3.25		2.31	34.499	24.8	8.26	6.78	2773	9300
SSW 24"	6/16/05	942	0.09	2.8	0.0	0.1	0.47	6.6	1.4	40	0.35	10.8	4.6	64		0.85		2.31	34.686	26.6	8.27	6.55	618	5700
SSW 24"	7/27/05	933	0.09	2.8	0.0	0.6	0.12	1.7	2.5	70	0.31	9.6	3.0	42	1.09	1.20		2.29	34.712	27.7	8.31	6.45	1245	9500
SSW 24"	8/11/05	848	0.10	3.1	0.2	2.4	0.41	5.7	3.2	90	0.34	10.5	2.8	40	0.89	5.50		2.31	34.726	27.6	8.32	6.48	2736	8200
SSW 24"	9/14/05	920	0.08	2.5	0.0	0.3	0.41	5.7	4.1	116	0.31	9.6	4.0	56	1.25	1.65		2.33	34.777	27.8	8.30	6.53	4200	8133
SSW 24"	10/10/05	1000	0.08	2.5	0.0	0.4	0.31	4.3	1.8	51	0.34	10.5	5.0	69	1.11	3.85		2.32	34.830	27.6	8.33	6.55	2933	9100
SSW 24"	11/2/05	903	0.07	2.2	0.1	0.8	0.42	5.9	2.1	60	0.34	10.5	3.6	50	1.16	4.90		2.39	34.947	26.1	8.30	6.70	3050	8600
SSW 24"	12/20/05	859	0.08	2.5	0.2	2.2	0.42	5.9	1.6	46	0.32	9.9	5.2	73	0.89	2.85		2.54	34.934	25.9	8.32	6.79	3500	6800
SSW 24"	1/26/06	916	0.10	3.1	0.1	1.8	0.32	4.5	2.0	56	0.29	9.0	4.2	59		3.80		2.07	35.032	25.0	8.27	6.73	4217	49433
SSW 24"	2/28/06	1005	0.09	2.8	0.1	1.8	0.36	5.0	5.7	160	0.35	10.8	4.4	62		2.05		2.08	34.918	25.0	8.28	6.71	2163	14000
SSW 24"	3/23/06	935	0.10	3.1	0.1	1.0	0.52	7.3	3.1	88	0.33	10.2	4.4	61		1.20		2.24	34.600	24.4	8.27	6.93	2633	9833
SSW 24"	4/18/06	1018	0.09	2.8	0.1	1.5	0.29	4.1	3.8	106	0.32	9.9	6.1	85	0.94	2.95		2.32	34.742	24.8	8.29	6.79	2583	7738
SSW 24"	5/18/06	1010	0.10	3.1	0.1	1.0	0.23	3.2	2.0	56	0.37	11.5	5.2	72	0.92	2.35		2.47	34.661	25.4	8.26	6.66	3600	10600
SSW 24"	6/29/06	944	0.14	4.3	0.2	2.8	0.37	5.2	3.0	85	0.37	11.5	5.6	78	0.97	2.70		2.25	34.699	26.4	8.25	6.66	3883	16000
SSW 24"	7/25/06	1010	0.12	3.7	0.2	2.7	0.32	4.5	2.4	68	0.35	10.8	5.5	77	1.03	2.35		2.26	34.781	26.3	8.25	7.25	3900	10467
SSW 24"	8/10/06	1035	0.13	4.0	0.1	1.0	0.35	4.9	2.0	56	0.38	11.8	5.2	73	0.92	1.65		2.20	34.703	26.9	8.26	7.26	3717	9889
SSW 24"	9/21/06	1035	0.12	3.7	0.2	2.2	0.25	3.5	2.1	60	0.36	11.2	4.6	65	0.94	1.75		2.26	34.752	26.7	8.24	6.66	3438	5950
SSW 24"	10/26/06	1015	0.11	3.4	0.3	4.1	0.44	6.2	2.1	60	0.33	10.2	5.4	75	1.06	1.15		2.38	34.783	27.5	8.30	6.70	3550	8100
SSW 24"	11/30/06	1040	0.14	4.3	0.2	2.5	0.36	5.0	2.2	60	0.39	12.1	5.4	76	1.00	2.70		2.11	34.851	26.5	8.28	6.69	2463	8900
SSW 24"	12/14/06	1024	0.14	4.3	0.1	1.0	0.29	4.1	0.9	26	0.39	12.1	5.6	78	1.00	1.30		2.48	34.780	25.9	8.27	6.72	1963	3813
SSW 24"	1/11/07	910	0.15	4.6	0.2	3.2	0.49	6.9	1.2	33	0.36	11.2	6.1	85	1.01	3.20		2.15	34.885	25.4	8.26	6.44	2638	6967
SSW 24"	2/15/07	900	0.17	5.3	0.1	1.0	0.53	7.4	1.2	34	0.42	13.0	6.4	90	1.03	2.40		2.12	34.379	24.4	8.26	6.60	3188	9100
SSW 24"	3/8/07	830	0.14	4.3	0.1	1.0	0.32	4.5	2.8	79	0.42	13.0	6.4	89	0.96	2.75		1.94	34.578	24.5	8.28	6.65	3100	9088
SSW 24"	4/12/07	830	0.15	4.6	0.1	1.0	0.35	4.9	2.1	58	0.36	11.2	5.4	76	0.92	2.45		1.85	34.701	25.4	8.27	6.57	2775	9778
SSW 24"	5/9/07	900	0.16	5.0	0.1	1.4	0.52	7.3	4.1	115	0.38	11.8	6.9	97	1.23	1.30		2.18	34.751	25.0	8.27	6.38	2450	8863
SSW 24"	6/27/07	820	0.19	5.9	0.4	5.2	0.25	3.5	0.8	22	0.32	9.8	6.6	92		1.90		2.46	34.796	26.3	8.29	6.90	3125	9900
SSW 24"	7/30/07	1305	0.20	6.1	0.0	0.7	0.32	4.5	3.9	109	0.35	10.8	7.0	98		1.25		2.39	34.804	27.0	8.14	6.57		
SSW 24"	8/30/07	840	0.19	5.8	0.2	2.8	0.29	4.0	2.2	62	0.26	7.9	6.4	89		2.20		2.39	34.907	26.9	8.15	7.20		
SSW 24"	9/24/07	936	0.21	6.6	0.2	2.9	0.54	7.5	15.0	420	0.32	9.8	5.4	76		2.65		2.05	35.366	26.8	8.12	6.28		
SSW 24"	10/30/07	1411	0.20	6.3	0.0	0.2	0.36	5.1	8.6	243	0.20	6.2	6.6	92		1.40		2.48	35.074	26.8	8.23	6.53		
SSW 24"	11/27/07	1402	0.22	6.7	0.1	1.3	0.41	5.8	24.6	691	0.20	6.1	4.8	67		1.55		2.78	34.947	26.4	8.22	6.86		
SSW 24"	12/31/07	1027	0.00		0.0	0.7	0.18	2.5	5.0	142	0.00		0.0			1.20		2.50	34.856	25.1	8.15	6.56		
SSW 24"	1/30/08	847	0.08	2.6	0.1	1.2	0.18	2.5	25.7	723	0.00		0.0			1.60		2.40	34.925	24.1	8.12	6.87		
SSW 24"	2/28/08	1122	0.04	1.2	0.2	2.5	0.05	0.7	5.6	157	0.32	9.8	6.2	87		1.00		2.42	34.911	24.4	8.20	6.24		
SSW 24"	3/31/08	1449	0.04	1.2	0.3	4.3	0.05	0.7	3.6	102	0.34	10.5	5.7	79		1.80		2.36	34.730	25.0	8.14	7.10		
SSW 24"	4/25/08	932	0.14	4.2	0.2	2.2	0.15	2.1	5.8	162	0.35	10.8	3.9	55		0.45		2.48	34.649	24.8	8.21	6.57		
SSW 24"	5/23/08	1035	0.09	2.9	0.1	1.6	0.09	1.3	NA	NA	0.23	7.2	4.0	56		1.25		2.52	34.764	25.4	8.31	6.63		
SSW 24"	6/10/08	1049	0.10	3.1	0.0	0.3	0.18	2.5	2.7	77	0.28	8.6	5.0	70		0.56		NA	34.631	25.2	8.24	6.06		
SSW 24"	7/18/08	1031	0.09	2.9	0.1	1.6	0.09	1.3	3.1	88	0.21	6.4	8.7	122		0.77			34.710	26.6	8.10	6.18		
SSW 24"	8/13/08	1051	0.62	19.2	0.2	2.3	0.54	7.5	2.9	81	0.36	11.0	8.9	125		0.59			34.674	26.5	7.99	5.16		
SSW 24"	9/8/08	858	0.07	2.1	0.2	2.3	0.35	4.9	1.9	52	0.29	9.1	8.1	113		1.51			34.77	26.1	7.98	5.68		
SSW 24"	10/23/08	1003	0.09	2.7	0.3	3.7	1.59	22.3	1.8	52	0.48	14.9	8.4	118		0.71			34.88	26.6	8.19	6.28		
SSW 24"	11/28/08	1035	0.15	4.5	0.2	2.3	0.07	1.0	2.2	62	0.38	11.9	5.7	80		1.26			34.81	25.5	8.28	5.88		
SSW 24"	12/30/08	907	0.21	6.4	0.2	3.1	0.36	5.0	1.9	52	0.35	10.7	6.3	88		0.91			34.68	25.3	8.29	6.25		
SSW 24"	1/12/09	1048	0.12	3.6	0.2	2.8	0.12	1.7	2.6	72	0.32	9.9	5.0	70		1.40			35.001	25.0	8.25	6.26		
SSW 24"	2/20/09	1125	0.07	2.2	0.2	3.2	0.19	2.6	1.7	46	0.61	18.9	7.1	99		0.27	0.07		35.250	24.1	8.21	6.81		
SSW 24"	3/30/09	1108	0.20	6.3	1.2	17.1	2.93	41.1	3.3	92	0.44	13.5	8.9	125		0.71			35.189	24.3	8.33	6.27		
SSW 24"	4/30/09	1010	0.25	7.6	0.2	2.5	0.50	7.0	2.3	64	0.48	14.9	5.7	80		0.48			34.963	23.8	8.19	6.72		
SSW 24"	5/15/09	1354	0.16	4.9	0.5	6.6	0.19	2.7	2.3	64	0.86	26.7	8.9	125		0.72			35.07	25.6	8.18	6.02		
SSW 24"	6/10/09	901	0.49	15.3	0.4	5.2	0.26	3.6	3.5	98	0.55	17.0	5.4	75		0.72			34.579	26.6	8.34	5.46		
SSW 24"	7/10/09	835	0.41	12.6	0.7	9.9	0.71	9.9	6.3	178	0.32	9.8	7.6	106		1.44			34.91	26.0	8.29	6.00		
SSW 24"	8/27/09	1024	0.15	4.8	0.2	3.1	0.26	3.7	2.7	77	0.21	6.6	4.1	57		0.74	0.04		35.00	27.3	8.19	5.59		
SSW 24"	9/17/09	1034	0.10	3.0	1.0	13.6	0.36	5.1	9.5	266	0.24	7.4	3.8	53		1.30	0.04		34.24	26.3	7.96	6.86		
SSW 24"	10/26/09	1038	0.08	2.6	0.1	2.0	0.49	6.9	7.0	196	0.23	7.0	4.4	62		1.08			35.45	26.6	8.18	6.02		
SSW 24"	11/19/09	1402	0.14	4.4	0.2	2.7	0.48	6.7	5.2	145	0.35	10.7	5.9	82		0.39			35.35	26.2	8.17	6.40		
SSW 24"	12/3/09	959	0.17	5.2	0.2	2.3	0.49	6.8	3.0	83	0.46	14.1	4.7	66		0.40			35.15	24.9	8.25	6.70		
SSW 24"	1/14/10	1013	0.17	5.2	0.2	3.3	0.23	3.2	1.5	41	0.44	13.7	8.7	122		0.28			35.11	25.4	8.18	6.97		
SSW 24"	2/16/10	1145	0.17	5.2	0.1	2.0	0.34	4.7	14.3	402	0.36	11.3	3.5	49		0.65			34.81	25.3	8.23	5.99		
SSW 24"	3/15/10	1001	0.12	3.6	0.1	0.9	0.11	1.5	9.4	265	0.30	9.2	3.8	53		1.30			34.95	24.5	8.19	6.57		
SSW 24"	4/1/10	902	0.10	3.1	0.2	2.8	0.25	3.5	5.8	164	0.28	8.6	4.5	63		0.60	0.06		35.05	23.8	8.21	6.90		
SSW 24"	5/10/10	913	0.06	1.9	0.2	2.8	0.50	7.0	9.0	252	0.46	14.4	7.2	101		1.20	0.14		34.90	25.3	8.26	6.31		
SSW 24"	6/23/10	941	0.01	0.4	0.4	5.0	0.36	5.0	2.2	63	0.27	8.3	4.4	62		1.50	0.07		34.81	25.5	8.21	6.15		

NELHA Water Quality Laboratory

SSW 24"

Intake Depth: 10 m, Offshore Pipe Length: 81 m

SITE ID	DATE	TIME	PO_4^{3-}		NO_3^- & NO_2^-		NH_4^+ & NH_3		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW 24"	7/1/10	1057	0.02	0.6	0.29	4.0	0.30	4.2	3.6	101	0.3	10.1	8.0	112		1.00	0.05		34.99	25.9	8.22	5.04		
SSW 24"	8/5/10	953	0.04	1.3	0.20	2.8	0.09	1.2	3.6	100	0.3	8.7	5.4	76		0.85	0.05		34.79	26.0	8.20	6.28		
SSW 24"	9/2/10	1013	0.03	1.0	0.20	2.8	0.09	1.3	2.3	65	0.3	9.1	4.6	65		1.35	0.04		34.72	26.3	8.21	6.19		
SSW 24"	10/18/10	943	0.10	3.0	0.20	2.8	0.20	2.8	3.1	87	0.4	12.9	5.4	76		0.85	0.10		34.92	26.3	8.20	6.02		
SSW 24"	11/4/10	1005	0.05	1.5	0.61	8.5	0.59	8.3	6.2	175	0.4	11.7	7.4	104		1.00	0.06		34.99	26.6	8.24	6.00		
SSW 24"	12/1/10	1013	0.11	3.5	0.69	9.7	0.21	2.9	5.8	162	0.4	13.0	5.3	74		1.40	0.14		34.78	25.9	8.22	5.87		
SSW 24"	1/25/11	957	0.19	6.0	0.51	7.2	0.11	1.5	3.2	90	0.6	18.0	5.5	77		1.00	0.05		34.72	25.1	8.21	5.90		
SSW 24"	2/8/11	1009	0.15	4.5	0.40	5.6	0.51	7.2	10.6	296	0.5	14.4	7.6	107		1.30	0.08		35.11	25.2	8.28	6.37		
SSW 24"	3/7/11	1109	0.23	7.0	0.64	9.0	0.46	6.4	2.7	76	0.5	15.0	4.0	56		1.20	0.08		34.38	25.3	8.23	6.25		
SSW 24"	4/11/11	1128	0.18	5.5	0.35	4.9	0.12	1.7	1.2	33	0.5	14.3	9.8	137		1.22	0.06		35.02	25.2	8.17	5.51		
SSW 24"	5/25/11	922	0.09	2.7	0.38	5.3	0.24	3.4	0.9	26	0.4	11.3	5.2	73		1.44	0.09		34.68	25.3	8.26	6.38		
SSW 24"	6/13/11	1036	0.20	6.1	0.53	7.4	0.27	3.8	1.8	50	0.5	14.6	5.9	83		1.33	0.06		34.68	25.1	8.21	7.01		
SSW 24"	7/21/11	919	0.15	4.6	0.37	5.2	0.24	3.3	0.6	18	0.4	13.9	4.9	69		1.44	0.06		34.79	25.6	8.20	6.50		
SSW 24"	8/22/11	1033	0.04	1.2	0.43	6.0	0.16	2.2	1.5	42	0.4	11.2	5.2	72		0.95	0.03		34.89	26.1	8.23	6.60		
SSW 24"	9/15/11	947	0.08	2.5	0.32	4.5	0.13	1.8	1.5	43	0.5	14.0	6.9	96		0.54	0.07		34.72	26.8	8.20	6.10		
SSW 24"	10/4/11	811	0.10	3.2	0.43	6.0	0.19	2.7	2.8	79	0.4	13.6	10.9	153		0.44	0.07		34.89	26.6	8.19	6.02		
SSW 24"	11/21/11	1220	0.13	4.0	0.78	10.9	0.19	2.7	2.0	56	0.4	12.5	5.2	73		0.65	0.13		35.00	25.6	8.19	6.24		
SSW 24"	12/27/11	1033	0.01	0.2	0.70	9.8	0.16	2.3	1.4	38	0.3	9.5	6.3	88		0.64	0.15		34.95	24.6	8.23	6.00		
SSW 24"	1/30/12	1035	0.06	1.8	0.51	7.2	0.19	2.6	2.0	57	0.4	11.1	5.1	71		4.61	1.50		34.95	24.6	8.21	5.87		
SSW 24"	2/27/12	1035	0.06	2.0	0.38	5.3	0.01	0.2	2.5	71	0.4	11.3	6.8	95		1.26	0.12		35.18	24.0	8.23	6.46		
SSW 24"	3/28/12	1015	0.15	4.6	0.02	0.3	0.36	5.0	1.4	39	0.5	14.3	6.8	95		0.89	0.03		34.98	23.9	8.23	6.39		
SSW 24"	4/16/12	1026	0.16	4.9	0.39	5.4	0.12	1.7	0.4	12	0.5	14.3	7.0	98		0.96	0.04		34.74	24.5	8.20	6.21		
SSW 24"	5/24/12	849	0.16	5.1	0.38	5.3	0.21	3.0	2.3	65	0.5	15.9	5.3	74		0.71	0.09		34.86	24.5	8.21	6.57		
SSW 24"	6/19/12	1026	0.15	4.8	0.49	6.8	0.32	4.5	3.6	100	0.4	12.1	6.4	90		0.90	0.09		35.04	25.1	8.14	6.54		
SSW 24"	7/3/12	815	0.06	1.8	0.59	8.3	0.29	4.0	3.0	83	0.4	11.3	4.2	59		1.92	0.03		34.90	25.4	8.20	6.61		
SSW 24"	8/27/12	1105	0.03	1.0	0.61	8.6	0.24	3.3	2.8	79	0.4	13.6	6.2	87		1.28	0.03		35.32	26.4	8.21	6.63		
SSW 24"	9/26/12	1047	0.04	1.3	0.29	4.0	0.26	3.6	1.5	42	0.5	15.1	11.6	162		1.22	0.05		35.24	26.6	8.21	5.90		
SSW 24"	10/10/12	958	0.07	2.1	0.61	8.5	0.26	3.7	3.2	89	0.4	11.9	6.4	89		1.13	0.04		35.23	26.4	8.21	5.88		
SSW 24"	11/19/12	1325	0.21	6.6	0.21	3.0	0.24	3.3	5.1	143	0.4	11.7	4.9	69		1.24	0.06		35.19	26.2	8.24	6.55		
SSW 24"	12/19/12	941	0.15	4.6	0.31	4.3	0.38	5.3	6.0	169	0.5	15.0	6.5	91		1.03	0.02		35.22	25.0	8.26	6.47		
SSW 24"	1/4/13	1016	0.11	3.3	0.39	5.5	0.15	2.1	0.4	12	0.4	13.8	4.9	69		1.16	0.04		35.21	25.0	8.22	6.01		
SSW 24"	2/13/13	1023	0.15	4.5	0.32	4.5	0.01	0.1	2.6	74	0.5	15.2	5.6	78		1.27	0.02		35.10	24.6	8.22	5.79		
SSW 24"	3/18/13	1133	0.14	4.4	0.49	6.9	0.52	7.3	2.3	64	0.4	12.9	4.5	63		0.96	0.03		34.94	24.4	8.22	5.75		
SSW 24"	4/3/13	1237	0.11	3.4	0.18	2.5	0.18	2.5	2.7	75	0.4	13.5	4.1	58		1.22	0.02		35.26	24.6	8.22	5.98		
SSW 24"	5/29/13	952	0.28	8.6	0.33	4.6	0.33	4.6	2.2	61	0.7	21.4	7.7	107		1.47	0.02		34.99	26.5	8.20	5.76		
SSW 24"	6/13/13	1043	0.27	8.3	0.41	5.7	0.41	5.7	2.1	59	0.6	18.0	5.1	71		1.29	0.05		34.92	26.1	8.17	5.69		
SSW 24"	7/1/13	1000	0.20	6.3	0.40	5.6	0.19	2.7	1.7	49	0.6	17.5	6.8	96		0.99	0.07		34.93	26.2	8.24	6.28		
SSW 24"	8/14/13	949	0.19	5.9	0.45	6.3	0.36	5.0	2.1	59	0.4	12.8	5.3	74		1.15	0.03		35.27	26.6	8.23	6.14		
SSW 24"	9/18/13	857	0.19	6.0	0.07	1.0	0.31	4.3	2.9	80	0.5	15.3	5.1	72		0.78	0.02		35.02	27.1	8.21	5.72		
SSW 24"	10/10/13	1022	0.22	6.8	0.39	5.4	0.32	4.5	1.9	54	0.5	16.8	6.8	96		1.52	0.09		35.11	26.4	8.23	5.61		
SSW 24"	11/21/13	1024	0.18	5.7	0.43	6.0	0.49	6.9	2.9	83	0.5	14.1	5.6	79		1.31	0.02		35.22	26.4	8.20	6.08		
SSW 24"	12/23/13	938	0.18	5.7	0.44	6.2	0.53	7.4	1.7	48	0.5	16.8	5.1	72		1.22	0.02		35.17	25.8	8.22	5.78		
SSW 24"	1/23/14	1215	0.16	5.1	0.36	5.0	0.41	5.8	3.1	86	0.5	15.4	6.5	91		2.48	0.02		35.25	25.1	8.21	5.34		
SSW 24"	2/12/14	1118	0.13	4.0	0.35	4.9	0.37	5.2	1.2	35	0.4	13.6	6.7	94		0.77			35.05	25.2	8.21	6.40		
SSW 24"	3/17/14	1037	0.25	7.7	0.54	7.6	0.25	3.5	1.9	54	0.5	16.9	6.5	92		1.46	0.05		34.81	25.7	8.20	6.20		
SSW 24"	4/10/14	941	0.22	6.7	0.47	6.6	0.20	2.8	1.5	43	0.5	15.7	5.4	76		1.07	0.09		34.90	25.7	8.21	6.11		
SSW 24"	5/13/14	1317	0.21	6.6	0.63	8.8	0.33	4.6	1.8	52	0.5	14.2	8.0	112		1.41	0.09		34.94	26.2	8.23	6.07		
SSW 24"	6/24/14	1143	0.22	6.7	0.56	7.8	0.50	7.0	6.9	194	0.8	23.3	6.0	83		1.61	0.03		34.84	26.1	8.20	4.92		
SSW 24"	7/23/14	1055	0.23	7.0	0.49	6.8	0.26	3.7	3.5	99	0.5	15.9	5.7	80		1.18	0.23		34.99	27.6	8.21	6.53		
SSW 24"	8/11/14	1141	0.13	3.9	0.26	3.7	0.38	5.3	0.4	12	0.3	10.4	4.6	64		1.44	0.03		34.94	27.1	8.21	6.01		
SSW 24"	9/28/14	1146	0.18	5.5	0.41	5.8	0.22	3.1	0.8	24	0.5	14.6	7.9	111		1.60	0.07		34.90	28.1	8.22	5.64		
SSW 24"	10/15/14	1156	0.15	4.8	0.15	2.1	0.30	4.2	0.6	16	0.6	18.3	8.9	125		1.69	0.11		34.97	27.7	8.21	5.85		
SSW 24"	11/25/14	1233	0.14	4.3	0.04	0.5	0.29	4.1	0.2	6	0.4	13.0	6.0	84		2.00	0.07		34.97	27.0	8.21	5.60		
SSW 24"	12/30/14	930	0.14	4.2	0.21	2.9	0.41	5.8	0.1	3	0.5	15.9	8.0	113		1.31	0.10		35.26	25.1	8.21	6.42		
SSW 24"	1/1/15																							
SSW 24"	2/1/15																							
SSW 24"	3/1/15																							
SSW 24"	4/1/15																							
SSW 24"	5/1/15																							
SSW 24"	6/1/15																							

NELHA Water Quality Laboratory

SSW 24"

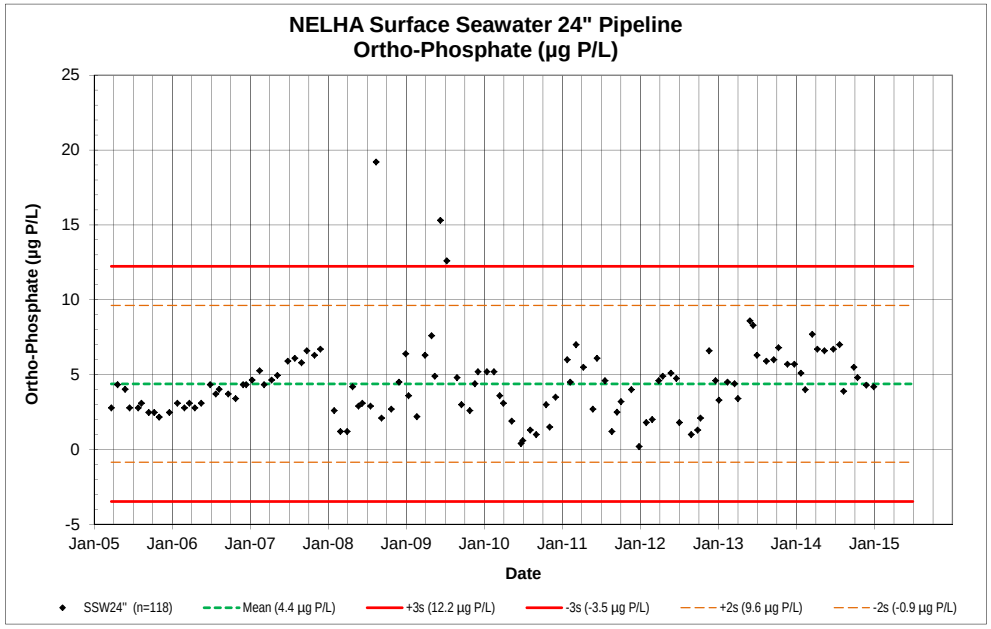
Intake Depth: 10 m, Offshore Pipe Length: 81 m

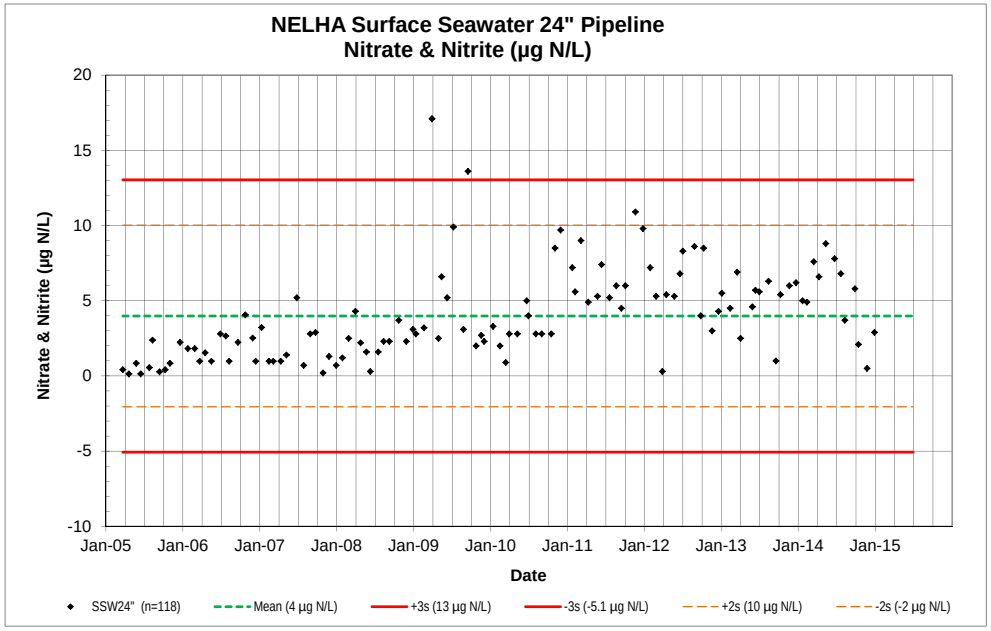
SITE ID	DATE	TIME	PO_4^{3-}		NO_3^- & NO_2^-		NH_4^+ & NH_3		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW 24"	7/1/15																							
Mean (Mar. '05 - present)			0.14	4.4	0.28	4.0	0.33	4.7	3.53	99.2	0.40	12.5	5.78	82.30	1.02	1.46	0.09	2.31	34.90	25.75	8.22	6.31		
STD DEV			0.09	2.6	0.22	3.0	0.30	4.2	3.81	106.9	0.12	3.4	1.75	22.33	0.10	0.91	0.19	0.18	0.22	0.99	0.06	0.46		
Range																								
UWL	+2s		0.31	9.6	0.7	10.0	0.94	13.2	11.1	313	0.63	19.2	9.3	127.0	1.2	3.3	0.5	2.7	35.3	27.7	8.3	7.2		
LWL	-2s		-0.03	-0.9	-0.1	-2.0	-0.27	-3.8	-4.1	-115	0.16	5.7	2.3	37.7	0.8	-0.4	-0.3	2.0	34.5	23.8	8.1	5.4		
UCL	+3s		0.40	12.2	0.9	13.0	1.24	17.4	15.0	420	0.75	22.6	11.0	149.3	1.3	4.2	0.7	2.8	35.6	28.7	8.4	7.7		
LCL	-3s		-0.12	-3.5	-0.4	-5.1	-0.57	-8.0	-7.9	-222	0.04	2.3	0.5	15.3	0.7	-1.3	-0.5	1.8	34.2	22.8	8.0	4.9		
Data																								
Max. Value			0.62	19.2	1.2	17.1	2.93	41.1	25.7	723	0.86	26.7	11.6	162.4	1.2	5.5	1.5	2.8	35.5	28.1	8.3	7.3		
Min. Value			0.00	0.2	0.0	0.1	0.01	0.1	0.1	3	0.00	6.1	0.0	39.8	0.9	0.3	0.0	1.8	34.2	23.8	8.0	4.9		

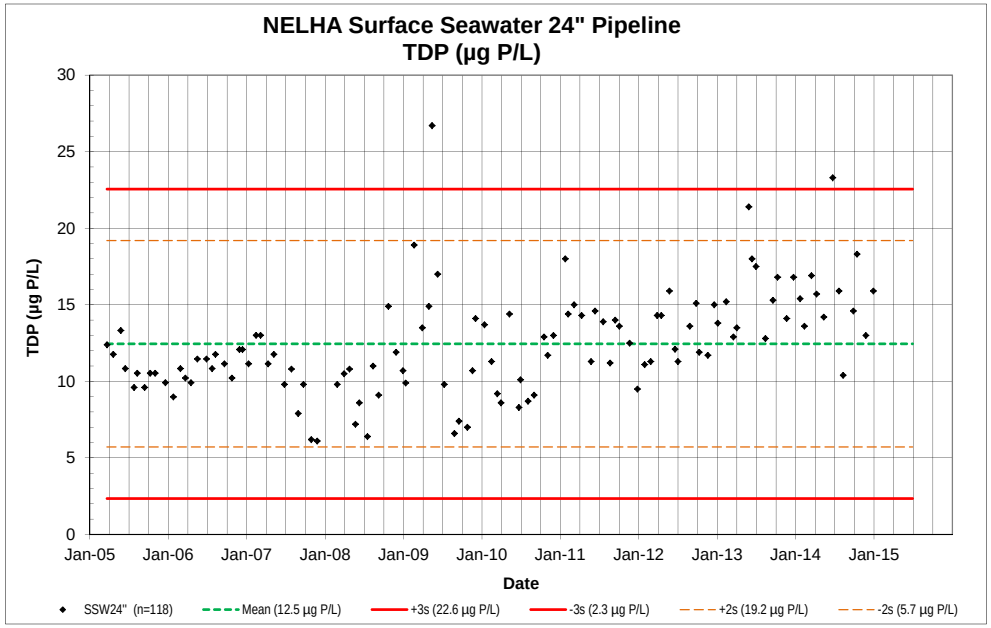
NELHA Water Quality Laboratory

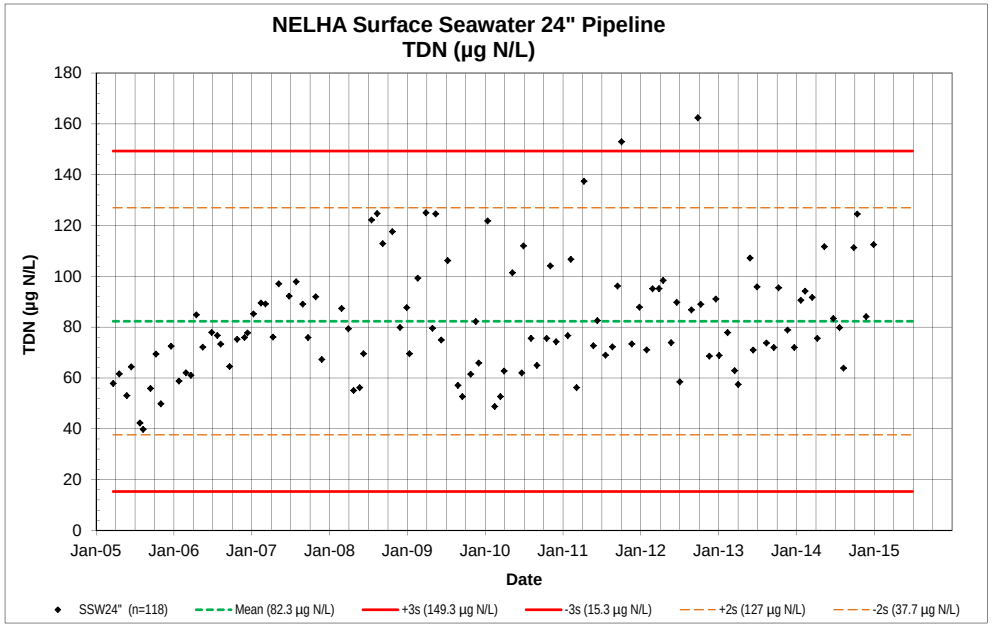
SSW 24" KP

Intake Depth: 10 m, Offshore Pipe Length: 81 m





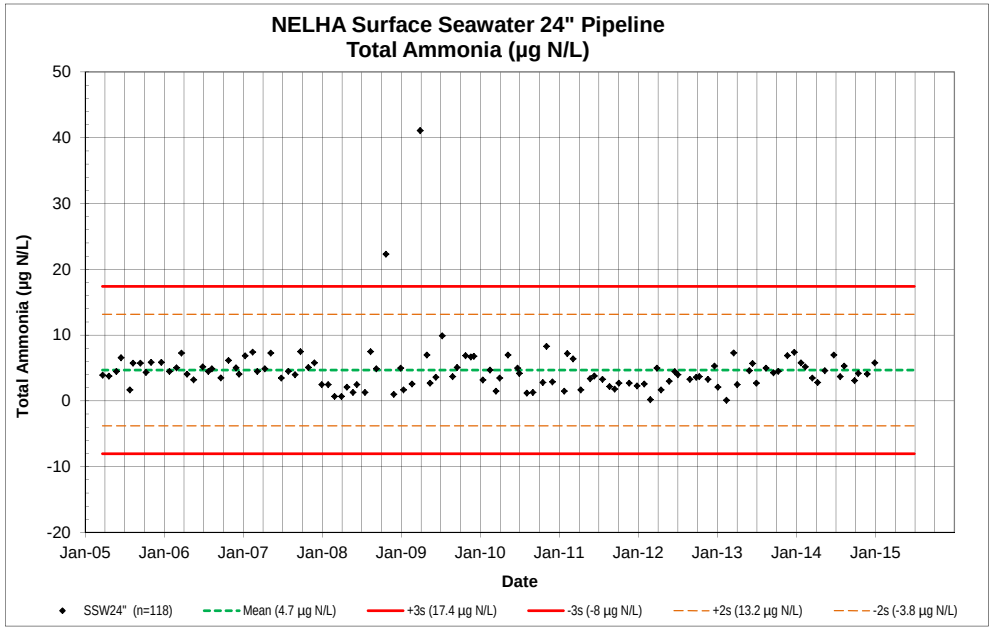


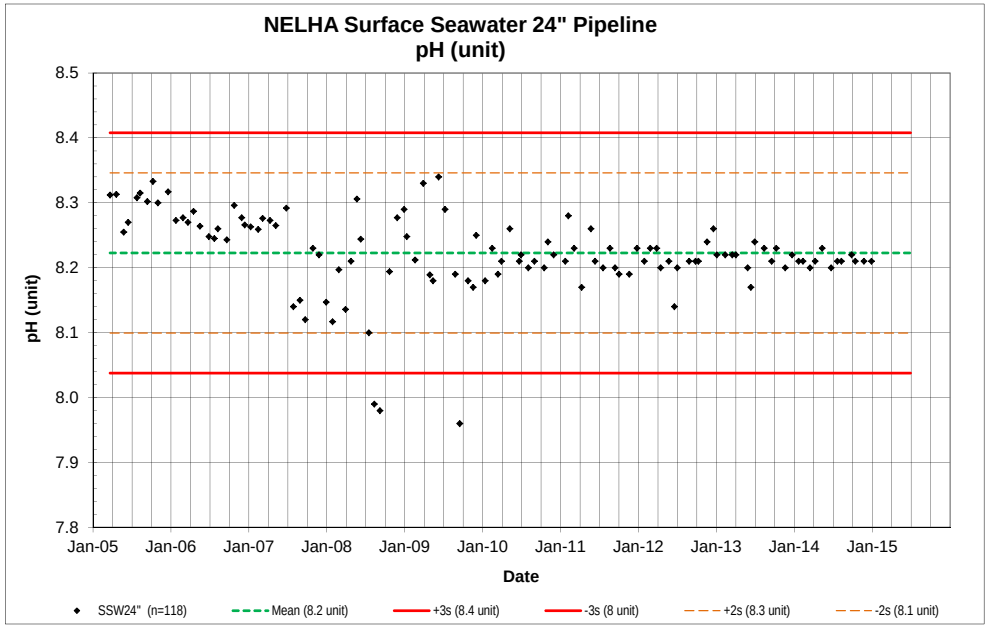


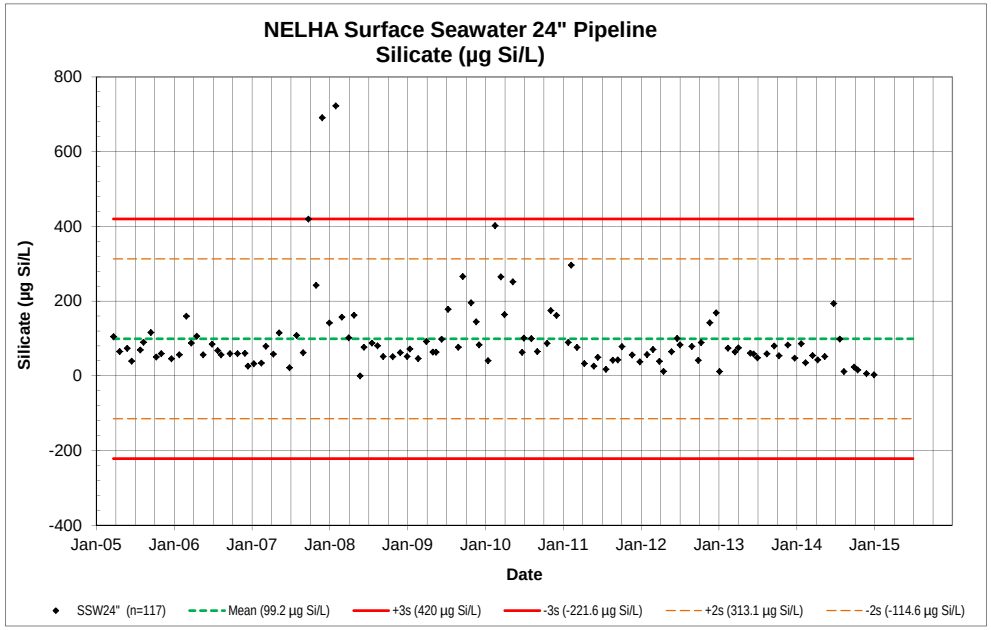
NELHA Water Quality Laboratory

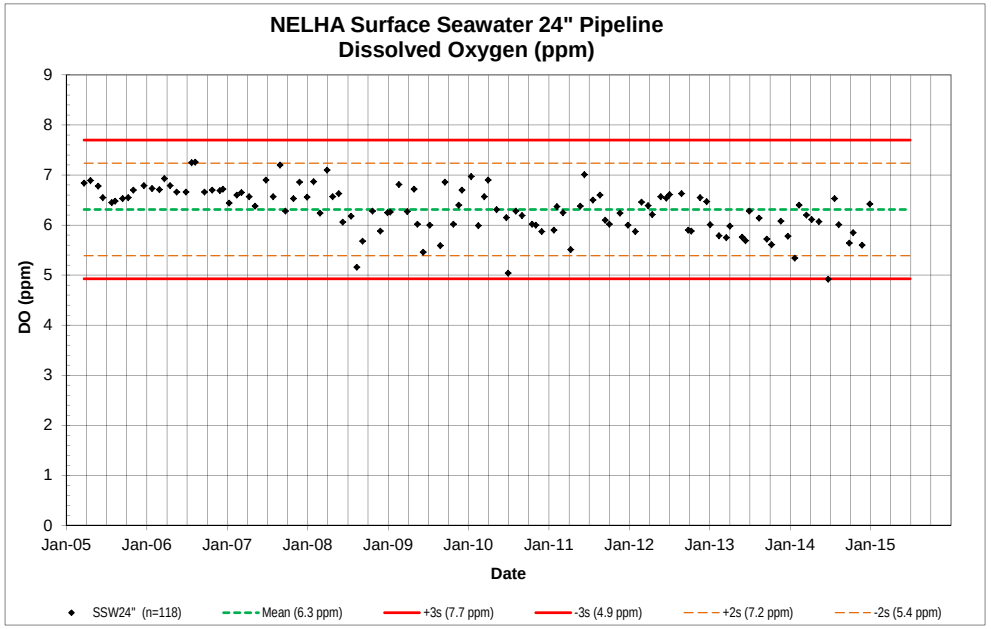
SSW 24" KP

Intake Depth: 10 m, Offshore Pipe Length: 81 m





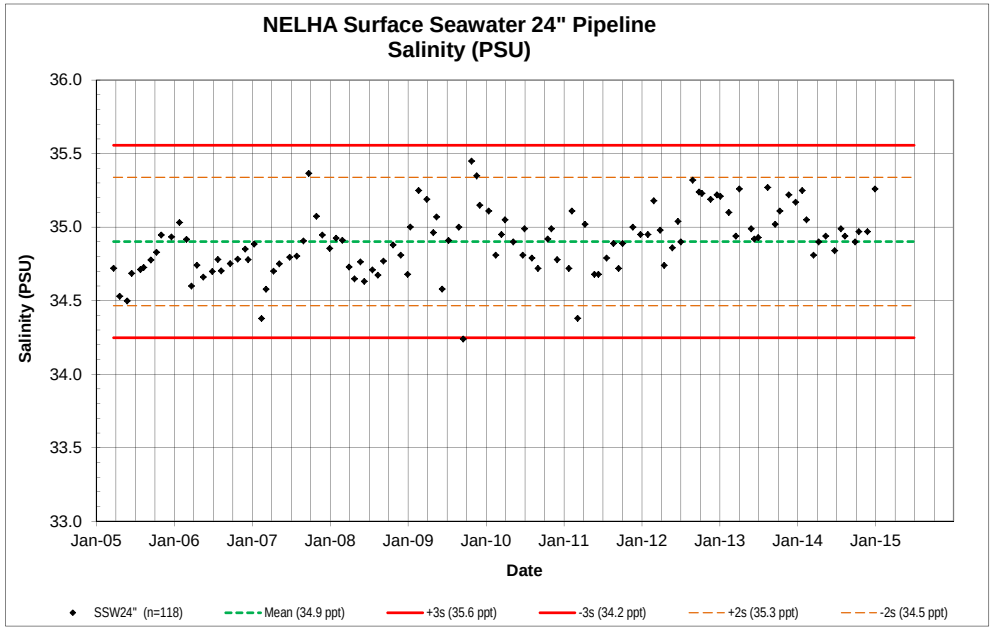


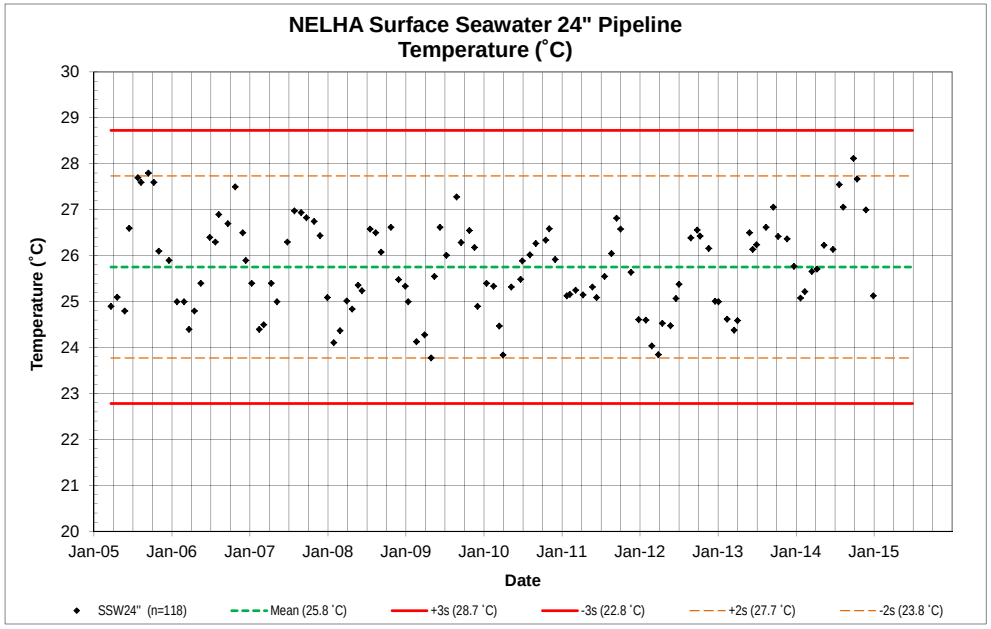


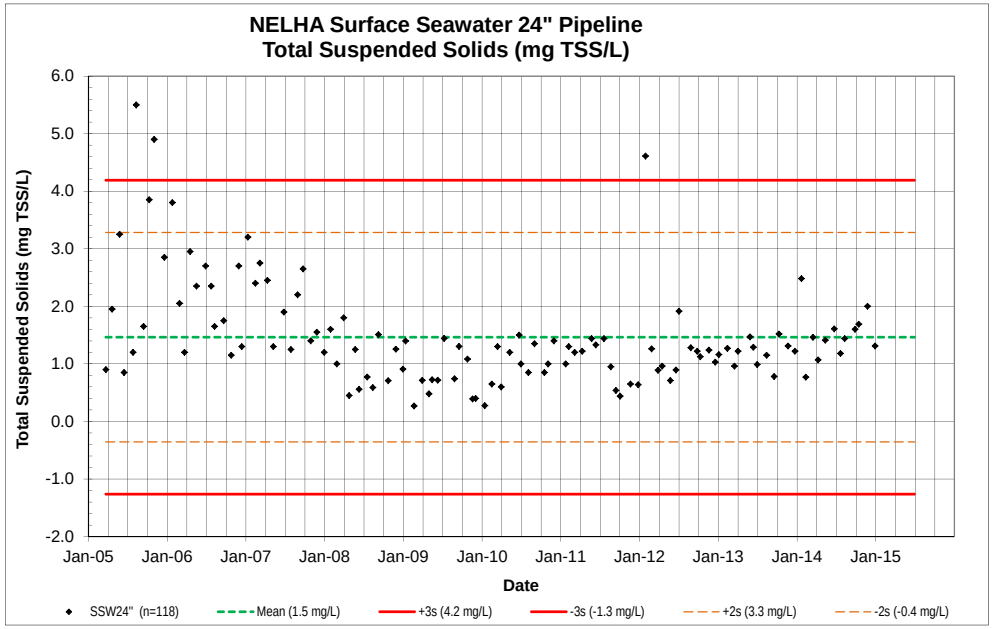
NELHA Water Quality Laboratory

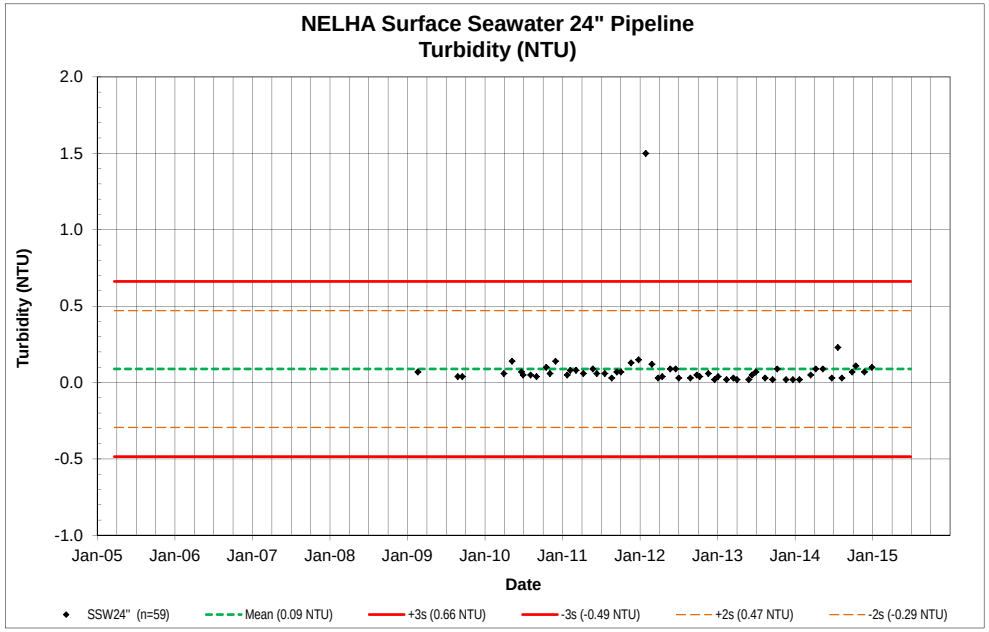
SSW 24" KP

Intake Depth: 10 m, Offshore Pipe Length: 81 m









NELHA Water Quality Laboratory

SSW 55"

Intake Depth: 24 m, Offshore Pipe Length: 165 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW 55"	8/11/05	920	0.09	1.3	0.11	1.5	0.41	5.7	5.1	144	0.34	4.8	3.9	54	0.91	2.15		2.335	34.753	27.4	8.32	6.5	1364	3425
SSW 55"	9/14/05	940	0.09	1.3	0.08	1.1	0.41	5.7	2.1	58	0.35	4.9	3.0	43	1.14	1.00		2.309	34.776	27.9	8.30	6.5	1200	3963
SSW 55"	10/10/05	1025	0.08	1.1	0.08	1.1	0.38	5.3	2.6	73	0.33	4.6	3.0	41	0.86	3.10		2.343	34.870	27.1	8.33	6.6	569	4700
SSW 55"	11/2/05	927	0.08	1.1	0.53	7.4	0.45	6.3	3.5	97	0.36	5.0	5.2	73	1.04	3.05		2.433	34.932	25.7	8.29	6.6	1600	6350
SSW 55"	12/20/05	920	0.10	1.4	0.27	3.8	0.48	6.7	3.4	96	0.32	4.5	4.5	62	1.05	3.40		2.661	34.902	25.7	8.31	6.7	2683	8133
SSW 55"	1/26/06	937	0.10	1.4	0.32	4.5	0.36	5.0	3.8	108	0.31	4.3	4.6	64		0.90		2.241	34.982	25.0	8.27	6.6	1381	9013
SSW 55"	2/28/06	1036	0.11	1.5	0.43	6.0	0.43	6.0	3.4	94	0.38	5.3	5.1	72		1.30		2.206	34.887	25.1	8.28	6.7	1881	7065
SSW 55"	3/23/06	1016	0.12	1.7	0.15	2.1	0.52	7.3	3.2	89	0.37	5.2	5.1	72		1.20		2.195	34.669	24.4	8.27	6.8	1817	7998
SSW 55"	4/18/06	1044	0.09	1.3	0.26	3.6	0.31	4.3	2.4	69	0.31	4.3	5.8	82	0.97	2.55		2.322	34.720	24.7	8.28	7.4	1150	6563
SSW 55"	5/18/06	1040	0.09	1.3	0.07	1.0	0.15	2.1	2.5	69	0.33	4.6	5.0	70	0.92	2.75		2.268	34.756	24.8	8.27	6.8	2006	7163
SSW 55"	6/29/06	920	0.12	1.7	0.16	2.2	0.40	5.6	2.2	63	0.31	4.3	5.8	81	1.02	2.15		2.324	34.718	26.3	8.25	6.4	3617	15000
SSW 55"	7/25/06	1032	0.12	1.7	0.29	4.1	0.34	4.8	3.4	95	0.34	4.8	5.8	82	1.06	1.50		2.264	34.806	25.8	8.26	7.2	2983	10867
SSW 55"	8/10/06	1056	0.12	1.7	0.07	1.0	0.35	4.9	2.4	67	0.36	5.0	5.6	78	0.95	0.95		2.299	34.696	26.8	8.26	7.2	1933	8275
SSW 55"	9/21/06	1054	0.12	1.7	0.16	2.2	0.28	3.9	2.8	79	0.34	4.8	5.1	71	0.96	1.15		2.269	34.722	26.7	8.26	6.8	2375	3400
SSW 55"	10/26/06	1034	0.15	2.1	0.86	12.0	0.47	6.6	5.0	142	0.32	4.5	7.4	103	0.96	2.15		2.448	34.697	27.2	8.28	6.5	3550	12000
SSW 55"	11/30/06	1059	0.14	2.0	0.07	1.0	0.47	6.6	2.1	58	0.35	4.9	5.9	83	1.03	2.55		2.433	34.865	26.5	8.28	6.7	2713	19800
SSW 55"	12/14/06	1110	0.15	2.1	0.26	3.6	0.39	5.5	2.1	59	0.39	5.5	5.4	76	0.95	1.45		2.470	34.738	25.9	8.27	6.8	2013	5163
SSW 55"	1/11/07	1027	0.15	2.1	0.41	5.7	0.41	5.7	3.3	92	0.34	4.8	5.7	80	1.01	2.40		2.133	34.824	25.5	8.28	6.3	1075	4388
SSW 55"	2/15/07	1045	0.21	2.9	0.33	4.6	0.50	7.0	2.8	79	0.46	6.4	5.9	83	1.07	2.05		2.098	34.450	24.5	8.26	6.6	2163	6850
SSW 55"	3/8/07	1045	0.17	2.4	0.28	3.9	0.36	5.0	5.0	141	0.40	5.6	6.1	85	0.97	1.20		1.947	34.498	24.4	8.28	6.7	1950	18167
SSW 55"	4/12/07	1100	0.12	1.7	0.26	3.6	0.38	5.3	4.1	115	0.33	4.6	5.1	71	0.94	2.80		1.994	34.665	25.4	8.28	6.6	2325	8325
SSW 55"	5/9/07	1045	0.18	2.5	0.34	4.8	0.55	7.7	7.9	222	0.44	6.2	5.5	77	0.98	5.50		1.987	34.708	24.9	8.27	6.6	2325	7713
SSW 55"	6/27/07	1025	0.15	4.6	0.34	4.7	0.45	6.3	2.7	75	0.29	9.1	7.4	103		1.55		2.474	34.792	26.2	8.30	7.1	2313	10300
SSW 55"	7/30/07	1330	0.16	5.1	0.04	0.6	0.21	2.9	13.7	384	0.30	9.4	5.3	75		2.60		1.569	35.020	26.5	8.15	6.8		
SSW 55"	8/30/07	853	0.17	5.3	0.13	1.8	0.50	7.0	5.2	147	0.23	7.0	5.0	70		2.65		2.435	34.888	26.6	8.15	6.4		
SSW 55"	9/24/07	946	0.20	6.1	0.19	2.6	0.50	7.0	1.9	52	0.28	8.7	13.1	184		1.10		2.046	35.472	26.9	8.15	6.3		
SSW 55"	10/30/07	1402	0.19	5.9	0.08	1.1	0.46	6.4	2.4	68	0.26	7.9	7.1	100		1.35		2.465	35.014	26.7	8.25	6.1		
SSW 55"	11/27/07	1410	0.19	6.0	0.09	1.3	0.00	0.0	4.7	131	0.22	6.9	4.8	67		1.60		2.415	34.918	26.2	8.23	6.5		
SSW 55"	12/31/07	1043	0.00		0.38	5.3	0.43	6.0	5.0	140	0.00		0.0			0.80		2.529	34.827	25.1	8.16	6.1		
SSW 55"	1/30/08	847	0.10	3.2	0.18	2.5	0.18	2.5	27.5	774	0.00		0.0			1.80		2.380	34.895	24.1	8.12	5.8		
SSW 55"	2/28/08	1035	0.04	1.2	0.29	4.1	0.05	0.7	10.6	299	0.33	10.2	5.9	83		1.05		2.430	34.922	24.1	8.19	6.4		
SSW 55"	3/31/08	1459	0.04	1.2	0.27	3.8	0.05	0.7	4.7	133	0.31	9.7	5.1	72		2.85		2.390	34.810	24.5	8.15	7.0		
SSW 55"	4/25/08	946	0.18	5.5	0.24	3.4	0.15	2.1	4.9	138	0.38	11.9	4.4	62		1.40		2.410	34.606	24.9	8.20	6.8		
SSW 55"	5/23/08	1050	0.14	4.3	0.32	4.5	0.23	3.2	NA	NA	0.23	7.1	4.9	69		0.35		2.340	34.720	25.2	8.31	6.6		
SSW 55"	6/10/08	1056	0.11	3.4	0.18	2.5	0.18	2.5	4.4	124	0.28	8.7	5.6	78		0.66		NA	34.621	25.2	8.24	5.9		
SSW 55"	7/18/08	1010	0.14	4.3	0.32	4.5	0.09	1.3	4.0	111	0.08	2.5	5.2	73		0.44			34.969	26.4	8.09	6.7		
SSW 55"	8/13/08	1111	0.65	20.1	0.09	1.3	0.96	13.5	3.1	88	0.36	11.0	8.6	121		0.62			34.671	26.2	8.02	4.9		
SSW 55"	9/8/08	911	0.07	2.2	0.14	2.0	0.44	6.1	2.4	68	0.30	9.2	7.8	109		0.56			34.81	26.0	8.11			
SSW 55"	10/23/08	1029	0.07	2.1	0.01	0.1	0.47	6.6	1.2	35	0.47	14.6	7.7	108		0.18			35.03	26.5	8.27	6.2		
SSW 55"	11/28/08	1024	0.11	3.5	0.42	5.9	0.10	1.4	3.3	93	0.40	12.3	6.5	92		0.66			35.12	25.1	8.24	6.1		
SSW 55"	12/30/08	927	0.14	4.4	0.31	4.4	0.40	5.6	2.9	81	0.35	10.9	7.0	99		0.77			35.15	25.2	8.22	5.8		
SSW 55"	1/12/09	1125	0.14	4.3	0.30	4.2	0.12	1.7	4.5	128	0.37	11.5	6.2	87		0.28			34.88	25.1	8.24	6.0		
SSW 55"	2/20/09	1054	0.10	3.1	0.42	5.9	0.19	2.7	5.0	140	0.56	17.2	5.6	79		1.60	0.04			24.0	8.17	6.5		
SSW 55"	3/30/09	1040	0.33	10.2	1.26	17.7	3.16	44.2	6.8	192	0.54	16.7	10.5	147		0.32			35.217	23.9	8.24	6.4		
SSW 55"	4/30/09	957	0.24	7.4	0.27	3.8	0.48	6.7	3.0	84	0.45	13.9	5.8	82		0.47			34.965	23.9	8.20	6.3		
SSW 55"	5/15/09	1345	0.15	4.8	0.31	4.3	0.19	2.7	3.1	88	0.78	24.1	7.7	107		0.33			35.08	25.2	8.17	6.1		
SSW 55"	6/10/09	942	0.60	18.5	3.08	43.2	0.31	4.3	3.7	105	0.59	18.4	7.2	101		0.66			34.917	32.1	8.34	4.7		
SSW 55"	7/10/09	953	0.55	17.0	3.71	51.9	1.51	21.1	4.0	111	0.45	13.9	8.7	122		1.19			35.23	31.3	8.21	4.5		
SSW 55"	8/27/09	1050	0.15	4.8	0.22	3.1	0.19	2.7	3.3	94	0.21	6.5	4.6	65		1.41	0.04		35.18	34.1	8.12	4.9		
SSW 55"	9/17/09	1001	0.14	4.3	1.73	24.2	0.24	3.4	7.8	218	0.28	8.6	6.1	85		1.16	0.05		35.29	31.7	7.95	5.2		
SSW 55"	10/26/09	1009	0.05	1.6	0.13	1.8	0.12	1.7	10.7	300	0.18	5.5	4.7	66		1.31			35.42	26.1	8.46	6.3		
SSW 55"	11/19/09	1338	0.14	4.2	0.21	2.9	0.45	6.3	5.3	148	0.36	11.0	6.7	94		0.52			35.44	27.9	8.13	5.0		
SSW 55"	12/3/09	1033	0.15	4.5	0.26	3.7	0.52	7.3	4.2	118	0.49	15.2	6.2	87		1.20			35.37	26.3	8.14	5.5		
SSW 55"	1/14/10	1043	0.25	7.7	1.26	17.6	0.23	3.2	3.1	87	0.45	13.9	5.6	79		0.35			35.10	25.6	8.17	6.1		
SSW 55"	2/16/10	1215	0.21	6.4	1.19	16.6	0.19	2.6	1.4	40	0.46	14.1	5.8	82		0.20			34.89	26.4	8.20	5.5		
SSW 55"	3/15/10	1019	0.13	3.9	0.26	3.6	0.01	0.1	14.2	400	0.35	10.8	8.4	118		1.70			35.06	26.4	8.20	6.1		
SSW 55"	4/1/10	925	0.13	4.1	0.39	5.5	0.21	3.0	4.7	131	0.28	8.6	4.5	63		0.50	0.03		35.08	25.9	8.21	6.3		
SSW 55"	5/10/10	950	0.08	2.6	1.10	15.4	0.41	5.8	11.4	320	0.44	13.7	6.5	92		1.05	0.09		34.97	27.0	8.20	6.1		
SSW 55"	6/23/10	1006	0.01	0.4	0.61	8.5	0.21	2.9	6.1	172	0.30	9.2	6.7	94		1.80	0.07		34.92	25.3	8.23	6.5		

NELHA Water Quality Laboratory

SSW 55"

Intake Depth: 24 m, Offshore Pipe Length: 165 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW 55"	7/1/10	1126	0.02	0.6	0.69	9.7	0.36	5.0	8.3	233	0.4	11.0	6.7	94		1.05	0.16		34.79	25.7	8.22	6.74		
SSW 55"	8/5/10	1023	0.08	2.5	0.66	9.3	0.25	3.5	7.0	197	0.3	9.7	6.2	87		1.30	0.02		34.72	25.8	8.22	6.63		
SSW 55"	9/2/10	1058	0.02	0.5	0.46	6.4	0.09	1.2	4.6	130	0.3	9.7	6.7	94		1.45	0.05		34.77	26.0	8.23	5.98		
SSW 55"	10/18/10	1011	0.16	4.9	1.05	14.7	0.17	2.4	2.0	56	0.5	15.2	6.8	96		0.25	0.09		34.96	28.8	8.19	6.10		
SSW 55"	11/4/10	1030	0.11	3.3	1.39	19.5	0.12	1.7	5.5	155	0.4	12.4	5.4	76		0.75	0.06		34.99	29.1	8.24	5.55		
SSW 55"	12/1/10	1035	0.13	4.0	1.04	14.5	0.01	0.1	5.4	153	0.6	17.5	9.1	127		0.75	0.04		34.84	28.1	8.22	5.48		
SSW 55"	1/25/11	1025	0.24	7.3	1.75	24.5	0.46	6.5	5.8	162	0.6	17.6	7.6	107		1.25	0.07		35.02	24.3	8.17	5.41		
SSW 55"	2/8/11	1027	0.14	4.4	0.65	9.1	0.19	2.6	1.8	51	0.4	13.1	4.3	60		0.95	0.04		35.16	26.9	8.26	5.94		
SSW 55"	3/7/11	1133	0.20	6.1	1.08	15.1	0.24	3.3	2.4	67	0.4	13.5	3.7	51		1.15	0.05		34.70	27.1	8.21	5.83		
SSW 55"	4/11/11	1152	0.21	6.5	0.97	13.6	0.04	0.6	1.3	38	0.5	16.8	6.0	84		1.17	0.08		35.15	27.4	8.17	5.11		
SSW 55"	5/25/11	938	0.09	2.9	0.64	8.9	0.35	4.9	0.9	25	0.4	13.5	5.4	75		0.94	0.04		34.80	27.9	8.25	5.70		
SSW 55"	6/13/11	1104	0.17	5.3	0.64	9.0	0.10	1.4	0.9	26	0.5	15.0	6.1	85		1.21	0.04		34.83	29.8	8.20	6.24		
SSW 55"	7/21/11	929	0.17	5.4	0.31	4.4	0.21	3.0	1.2	33	0.5	14.9	5.7	80		0.96	0.07		34.79	25.5	8.20	6.87		
SSW 55"	8/22/11	1046	0.07	2.1	0.11	1.5	0.07	1.0	0.8	24	0.4	11.3	4.6	64		1.06	0.02		34.97	25.8	8.23	7.09		
SSW 55"	9/15/11	1016	0.06	2.0	0.32	4.5	0.13	1.8	1.7	48	0.4	13.3	8.0	113		0.50	0.06		34.77	26.8	8.22	6.95		
SSW 55"	10/4/11	850	0.09	2.8	0.38	5.3	0.17	2.4	3.4	95	0.4	12.1	4.1	58		0.63	0.08		35.23	26.5	8.18	6.79		
SSW 55"	11/21/11	1243	0.09	2.7	0.16	2.2	0.03	0.4	1.4	41	0.4	13.6	5.8	81		0.88	0.04		35.00	25.6	8.19	6.33		
SSW 55"	12/27/11	1056	0.02	0.5	0.34	4.7	0.10	1.4	0.6	18	0.4	11.7	6.8	96		0.65	0.05		35.05	24.6	8.24	6.61		
SSW 55"	1/30/12	1103	0.04	1.3	0.25	3.5	0.06	0.9	1.7	48	0.4	11.6	6.8	95		1.65	0.08		35.05	24.6	8.22	6.77		
SSW 55"	2/27/12	1108	0.07	2.3	0.33	4.6	0.01	0.1	2.2	61	0.4	11.4	7.1	99		0.87	0.02		35.21	24.0	8.24	6.18		
SSW 55"	3/28/12	1052	0.16	4.9	0.02	0.3	0.36	5.0	1.2	34	0.5	14.0	6.3	88		0.84	0.02		35.06	23.8	8.23	6.97		
SSW 55"	4/16/12	1052	0.14	4.3	0.26	3.6	0.09	1.2	0.1	3	0.4	13.7	6.3	88		0.74	0.08		35.03	24.4	8.25	6.63		
SSW 55"	5/24/12	915	0.15	4.8	0.33	4.6	0.26	3.6	2.6	73	0.5	14.9	5.3	74		0.74	0.02		35.02	24.5	8.23	6.55		
SSW 55"	6/19/12	1042	0.12	3.9	0.41	5.8	0.23	3.2	3.1	88	0.4	13.2	8.2	115		0.73	0.06		35.26	24.9	8.15	6.79		
SSW 55"	7/3/12	849	0.02	0.6	0.43	6.0	0.27	3.8	2.7	76	0.3	10.7	6.3	88		1.87	0.02		35.24	25.3	8.23	7.11		
SSW 55"	8/27/12	1132	0.03	0.8	0.34	4.7	0.39	5.5	3.4	95	0.5	15.2	5.8	82		0.99	0.05		35.31	26.3	8.22	6.10		
SSW 55"	9/26/12	1120	0.05	1.4	0.23	3.2	0.46	6.5	2.2	61	0.5	15.4	10.0	140		3.49	0.04		35.29	26.5	8.23	6.00		
SSW 55"	10/10/12	1025	0.03	0.8	0.31	4.3	0.27	3.8	2.3	63	0.3	10.1	5.1	71		1.08	0.04		35.33	26.4	8.23	6.49		
SSW 55"	11/19/12	1350	0.10	3.0	0.69	9.6	0.26	3.7	6.2	174	0.5	14.1	9.7	136		1.64	0.05		35.25	26.1	8.26	6.82		
SSW 55"	12/19/12	1011	0.14	4.3	0.25	3.5	0.39	5.4	6.4	180	0.4	13.9	5.4	75		1.69	0.03		35.27	25.1	8.26	6.75		
SSW 55"	1/4/13	1044	0.10	3.2	0.43	6.0	0.26	3.7	0.9	24	0.4	12.7	4.1	57		1.24	0.08		35.26	25.0	8.23	6.24		
SSW 55"	2/13/13	1054	0.16	5.1	0.29	4.0	0.06	0.8	2.0	57	0.5	14.9	4.4	62		1.14	0.02		35.22	24.6	8.22	5.90		
SSW 55"	3/1/13	1157	0.15	4.8	0.55	7.7	0.56	7.8	2.0	57	0.4	13.4	5.4	75		8.37	0.41		35.01	24.1	8.22	5.83		
SSW 55"	4/3/13	1247	0.15	4.8	0.21	2.9	0.18	2.5	2.8	80	0.4	12.3	4.2	59		1.43	0.06		35.30	24.2	8.22	6.65		
SSW 55"	5/29/13	936	0.27	8.4	0.23	3.2	0.46	6.4	1.9	53	0.7	20.4	5.2	73		1.54	0.02		34.99	26.4	8.20	6.13		
SSW 55"	6/13/13	1101	0.27	8.4	0.32	4.5	0.56	7.9	2.2	61	0.5	17.0	4.2	60		1.23	0.03		35.05	26.1	8.18	6.09		
SSW 55"	7/1/13	1015	0.22	6.9	0.91	12.8	0.27	3.8	7.7	215	0.5	16.9	7.5	105		1.19	0.38		35.02	26.7	8.24	6.16		
SSW 55"	8/14/13	1034	0.16	4.9	0.39	5.4	0.26	3.7	2.6	72	0.4	12.4	5.0	70		1.09	0.02		35.00	26.7	8.23	6.30		
SSW 55"	9/18/13	839	0.18	5.7	0.01	0.1	0.25	3.5	2.9	80	0.5	15.1	7.4	104		0.85	0.02		35.01	26.9	8.24	6.51		
SSW 55"	10/10/13	1056	0.22	6.9	0.56	7.9	0.34	4.8	3.6	102	0.5	15.9	5.5	77		0.94	0.02		35.12	26.4	8.20	6.45		
SSW 55"	11/21/13	1035	0.18	5.5	0.39	5.4	0.33	4.6	5.1	143	0.5	16.2	5.9	82		0.99	0.02		35.18	26.5	8.21	6.05		
SSW 55"	12/23/13	955	0.20	6.1	0.56	7.9	0.49	6.9	4.3	120	0.5	16.8	5.2	73		0.91	0.02		35.09	25.8	8.21	6.17		
SSW 55"	1/23/14	1225	0.15	4.8	0.66	9.3	0.35	4.9	6.5	181	0.5	14.1	6.7	94		3.02	0.02		35.21	25.4	8.22	6.35		
SSW 55"	2/12/14	1130	0.14	4.4	0.46	6.4	0.34	4.7	3.5	98	0.4	13.4	5.1	72		1.10			34.89	25.5	8.24	6.10		
SSW 55"	3/17/14	1046	0.25	7.8	0.64	8.9	0.21	3.0	5.3	148	0.6	17.1	6.0	84		1.60	0.04		34.72	25.7	8.21	6.74		
SSW 55"	4/10/14	950	0.20	6.3	0.31	4.4	0.18	2.5	3.9	108	0.5	15.4	7.5	105		1.32	0.02		34.94	25.6	8.21	6.12		
SSW 55"	5/13/14	1324	0.19	5.8	0.36	5.0	0.29	4.0	4.3	121	0.4	13.8	5.5	77		1.17	0.02		34.82	25.7	8.23	6.38		
SSW 55"	6/24/14	1054	0.24	7.3	0.51	7.1	0.36	5.0	6.9	194	0.8	23.8	5.2	73		1.58	0.03		34.75	25.9	8.21	6.35		
SSW 55"	7/23/14	1131	0.26	7.9	1.56	21.8	0.46	6.4	13.3	374	0.5	16.8	5.9	82		1.43	0.12		34.76	27.1	8.23	6.36		
SSW 55"	8/11/14	1153	0.18	5.7	1.26	17.7	0.61	8.6	8.6	243	0.4	12.5	9.3	130		1.45	0.10		34.64	27.1	8.21	6.15		
SSW 55"	9/28/14	1123	0.19	5.8	1.11	15.6	0.21	3.0	9.3	260	0.5	15.9	10.3	144		1.48	0.05		34.85	28.2	8.21	6.15		
SSW 55"	10/15/14	1224	0.26	7.9	1.81	25.4	0.38	5.3	13.4	377	0.7	21.5	8.9	125		1.13	0.10		34.73	27.7	8.22	6.22		
SSW 55"	11/25/14	1245	0.19	5.9	1.42	19.9	0.31	4.3	9.7	273	0.5	15.5	8.4	118		1.44	0.05		34.69	27.3	8.22	6.32		
SSW 55"	12/30/14	955	0.20	6.3	1.22	17.1	0.41	5.8	7.2	202	0.5	15.9	8.0	113		1.48	0.10		34.95	25.4	8.21	6.42		
SSW 55"	1/1/15																							
SSW 55"	2/1/15																							
SSW 55"	3/1/15																							
SSW 55"	4/1/15																							
SSW 55"	5/1/15																							
SSW 55"	6/1/15																							

NELHA Water Quality Laboratory

SSW 55"

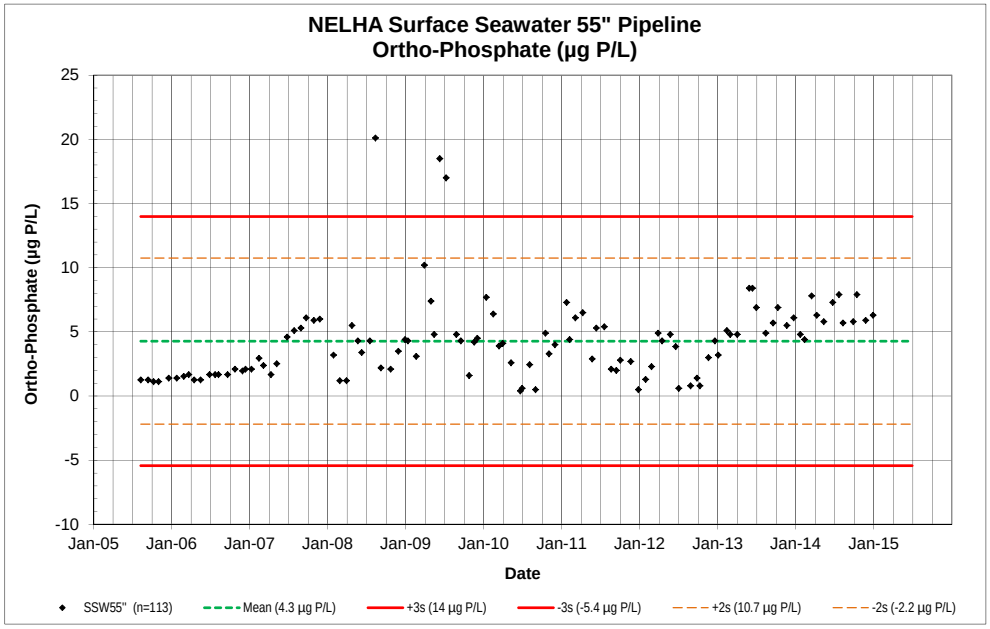
Intake Depth: 24 m, Offshore Pipe Length: 165 m

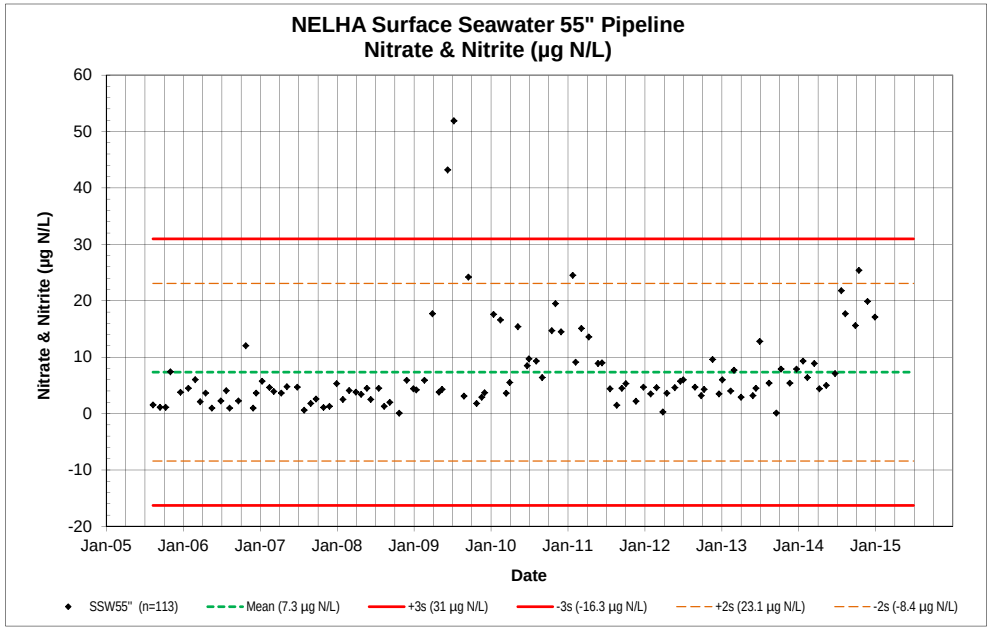
SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
SSW 55"	7/1/15																							
Mean (Aug. '05 - present)			0.15	4.3	0.52	7.3	0.33	4.7	4.47	125.6	0.40	11.5	6.07	86.5	0.99	1.40	0.06	2.290	34.955	26.1	8.22	6.3		
STD DEV			0.10	3.2	0.56	7.9	0.33	4.7	3.65	102.6	0.12	4.7	1.82	23.0	0.07	1.05	0.07	0.207	0.216	1.7	0.06	0.5		
Range																								
UWL	+2s		0.35	10.7	1.65	23.1	1.00	14.0	11.8	331	0.65	20.9	9.7	133	1.12	3.51	0.20	2.704	35.387	29.5	8.34	7.4		
LWL	-2s		-0.05	-2.2	-0.60	-8.4	-0.33	-4.7	-2.8	-80	0.15	2.1	2.4	41	0.85	-0.70	-0.08	1.876	34.523	22.8	8.10	5.2		
UCL	+3s		0.45	14.0	2.21	31.0	1.33	18.7	15.4	433	0.78	25.6	11.5	156	1.19	4.56	0.27	2.911	35.604	31.2	8.40	7.9		
LCL	-3s		-0.15	-5.4	-1.16	-16.3	-0.67	-9.4	-6.5	-182	0.03	-2.5	0.6	17	0.79	-1.75	-0.15	1.669	34.306	21.1	8.04	4.7		
Data																								
Max. Value			0.65	20.1	3.71	51.9	3.16	44.2	27.5	774	0.78	24.1	13.1	184	1.14	8.37	0.41	2.661	35.472	34.1	8.46	7.4		
Min. Value			0.00	0.4	0.01	0.1	0.00	0.0	0.1	3	0.00	2.5	0.0	41	0.86	0.18	0.02	1.569	34.450	23.8	7.95	4.5		

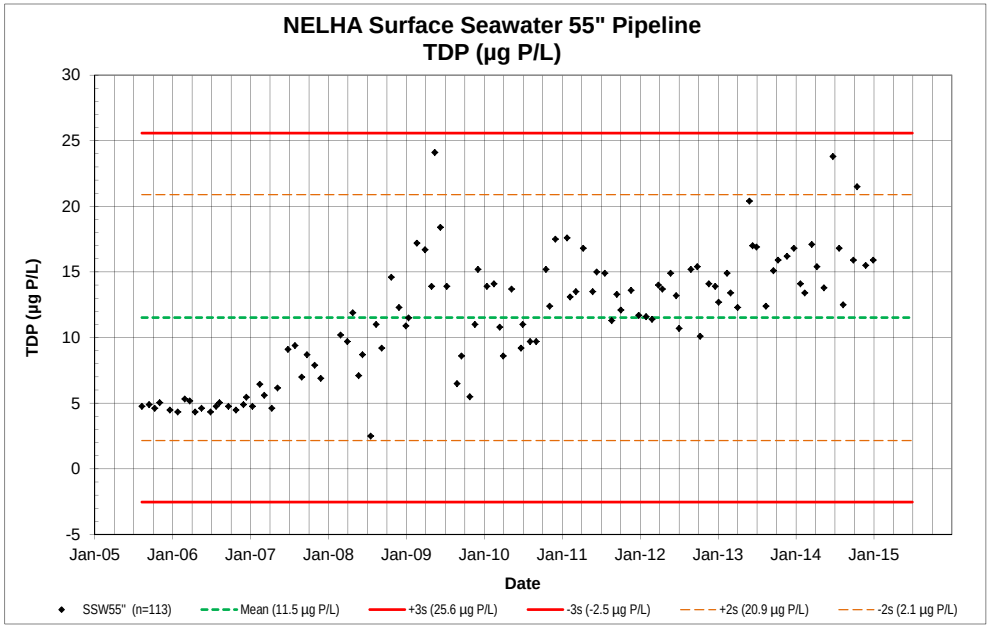
NELHA Water Quality Laboratory

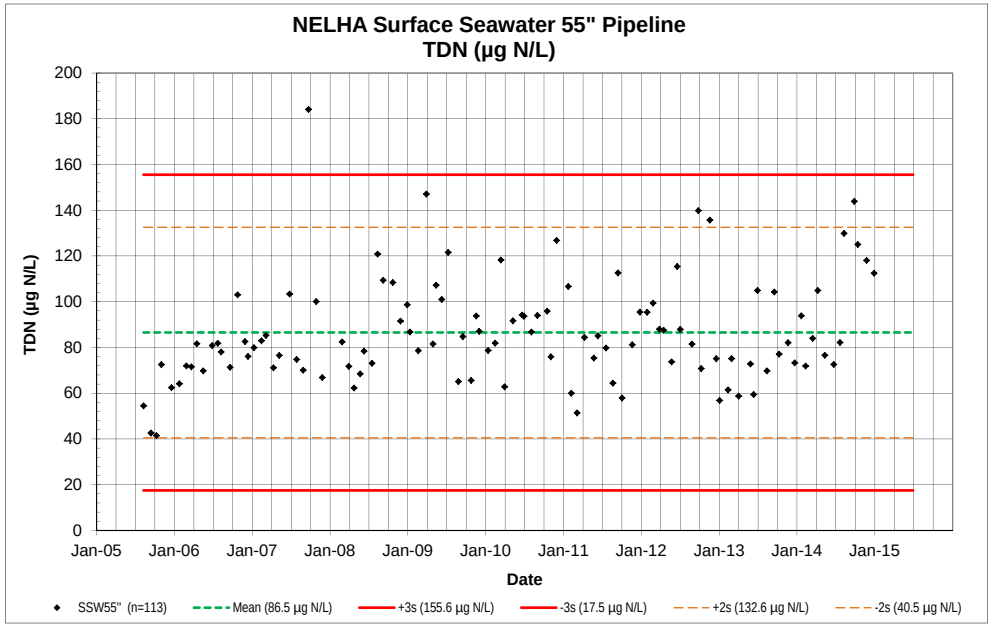
SSW 55"

Intake Depth: 24 m, Offshore Pipe Length: 165 m





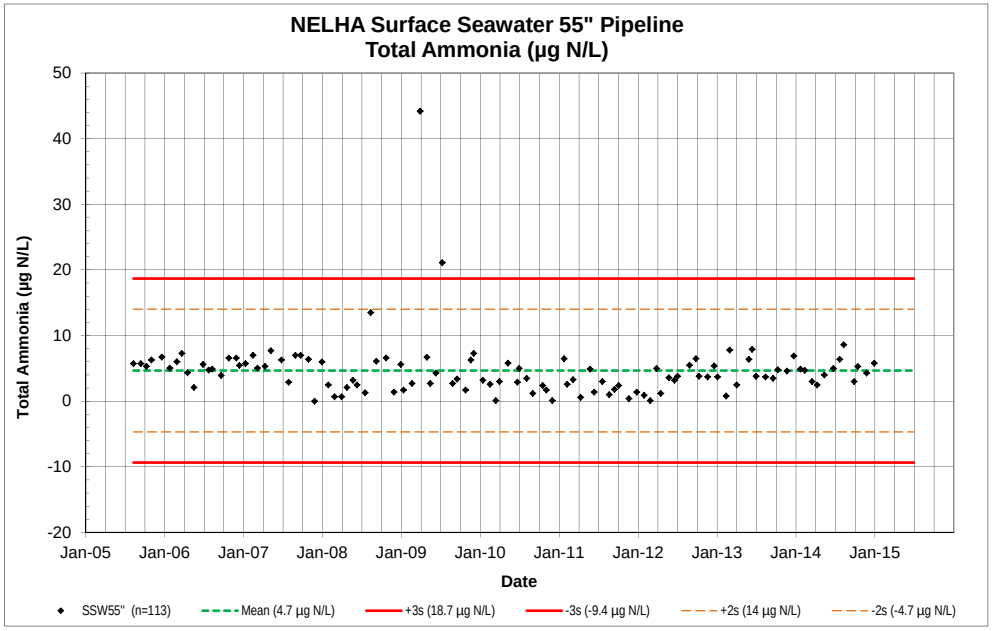


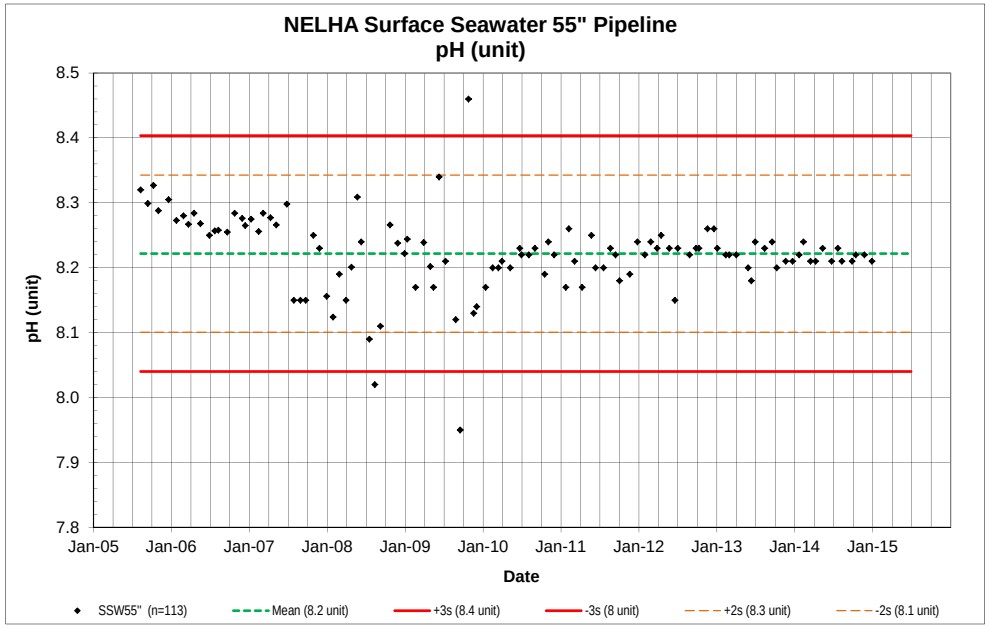


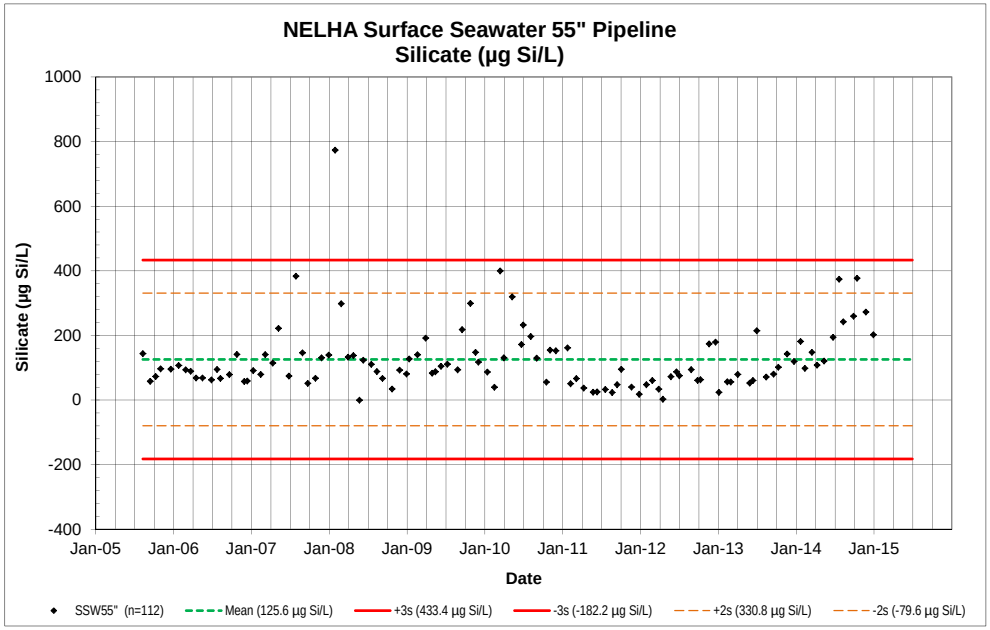
NELHA Water Quality Laboratory

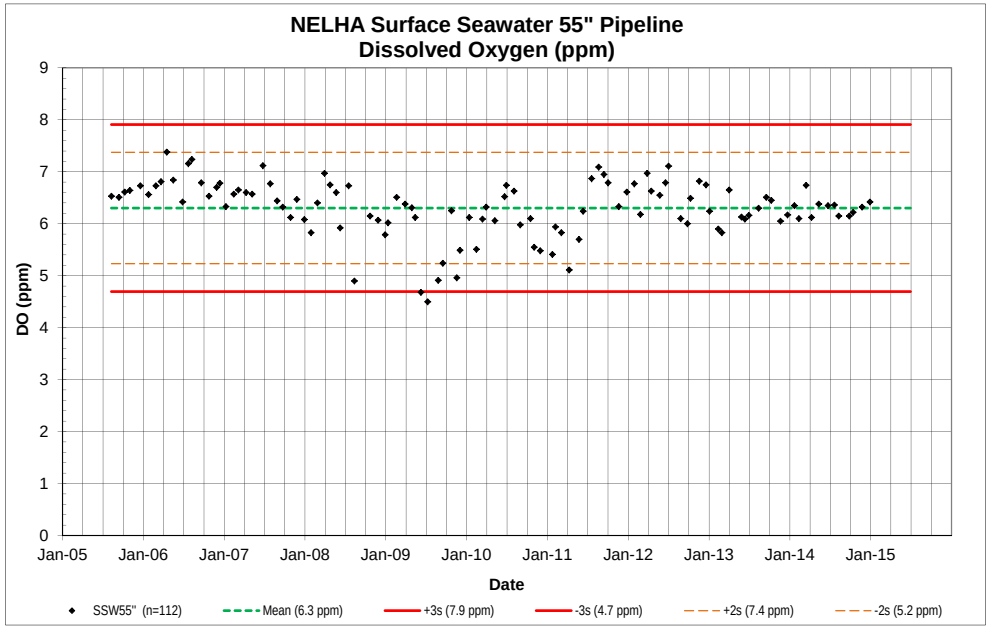
SSW 55"

Intake Depth: 24 m, Offshore Pipe Length: 165 m





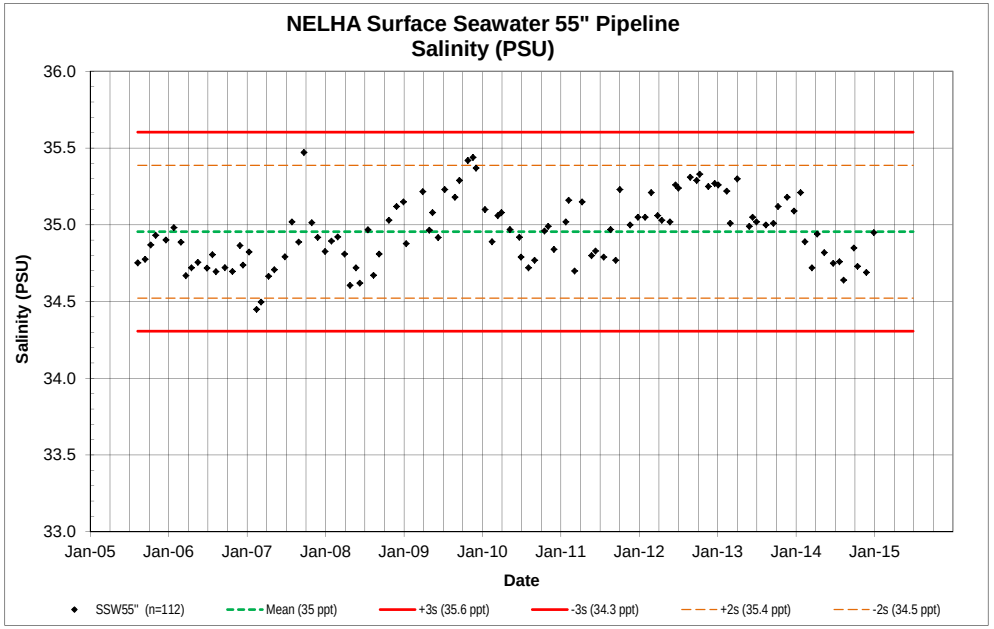


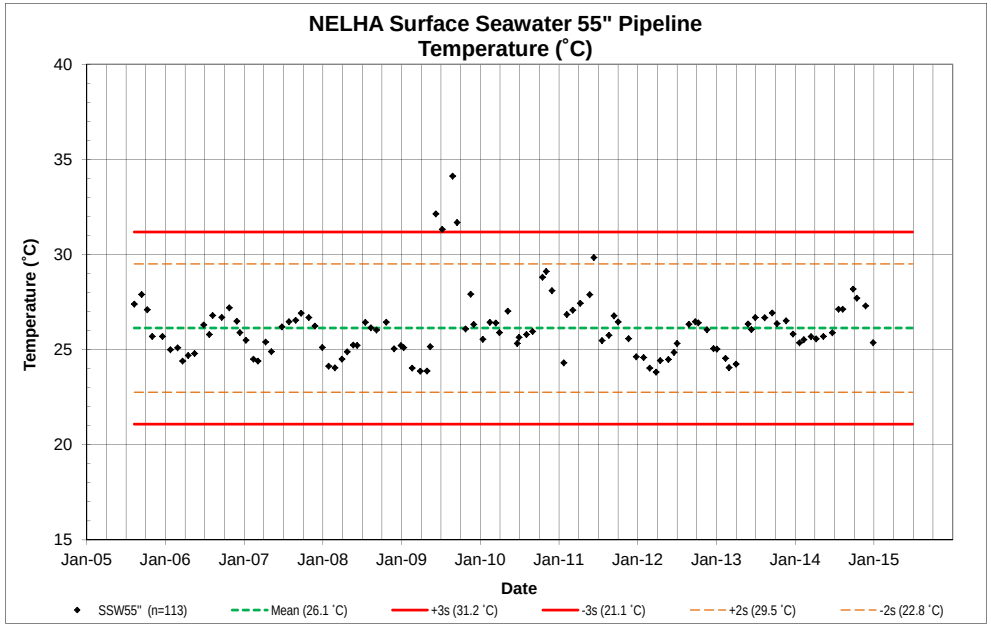


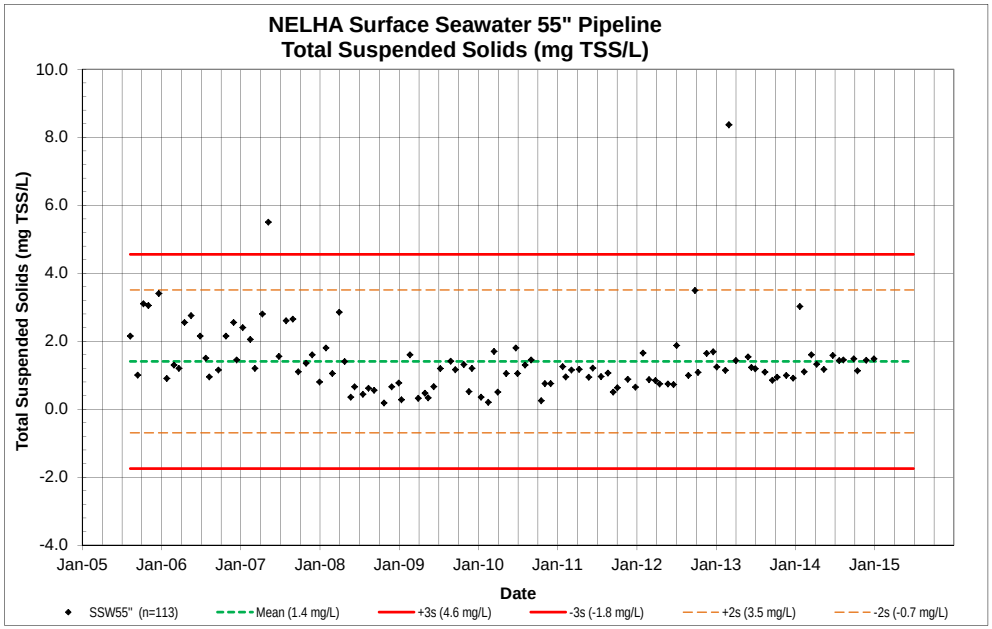
NELHA Water Quality Laboratory

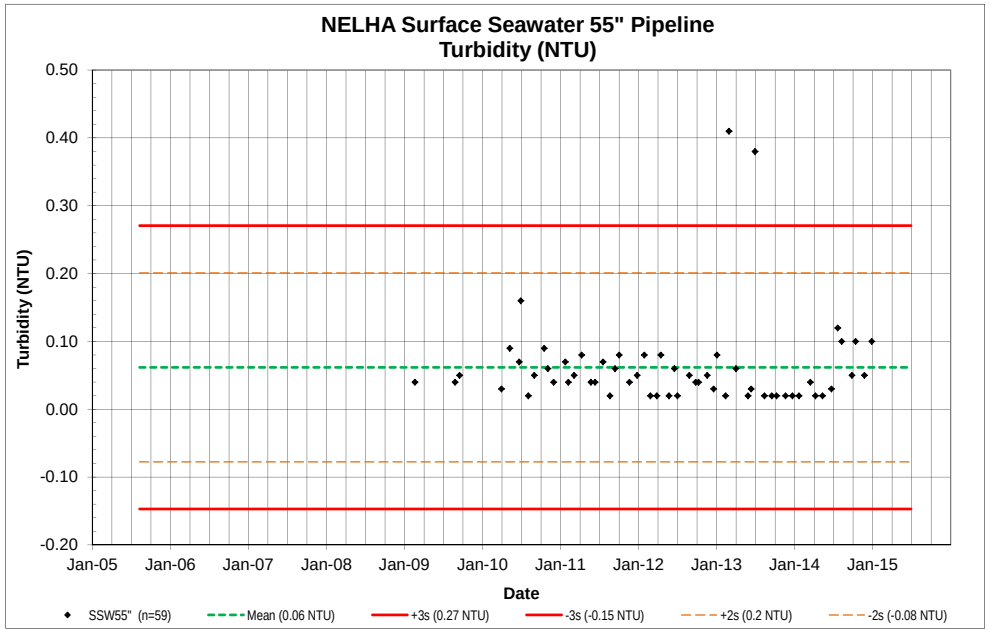
SSW 55"

Intake Depth: 24 m, Offshore Pipe Length: 165 m









NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	8/16/88		2.9	91	38	529	0.02	0.3	78	2196	3.0	93	41	569	0.24			2.40	34.347	7.3	7.64			
DSW40"	8/31/88		3.1	95	41	572	0.09	1.3	80	2252	3.1	96	44	615	0.28				34.330	7.5	7.69			
DSW40"	9/9/88		3.1	97	41	574	0.00	0.0	83	2320	3.2	98	43	606	0.22			2.40	34.345	7.0	7.64			
DSW40"	9/15/88		3.2	98	41	579	0.00	0.0	86	2405	3.2	99	45	632	0.29			2.38	34.374	7.3	7.51	1.09		
DSW40"	9/23/88		3.1	97	41	571	0.00	0.0	82	2292	3.2	98	43	602	0.25			2.41	34.289	7.5	7.64	1.07		
DSW40"	9/30/88		2.9	88	36	503	0.03	0.4	82	2309	2.9	90	38	538	0.24			2.39	34.379	7.0	7.90	1.06		
DSW40"	10/7/88		3.2	99	42	583	0.00	0.0	86	2402	3.2	99	44	616	0.26			2.41	34.383	7.8	7.82	1.00		
DSW40"	10/14/88		3.1	97	41	574	0.00	0.0	80	2252	3.2	98	43	604	0.25			2.40	34.351	7.4	7.50	1.06		
DSW40"	10/21/88		3.2	98	41	580	0.00	0.0	85	2377	3.2	99	44	612	0.24			2.41	34.326	7.4	7.64	1.03		
DSW40"	10/28/88		3.2	98	41	576	0.00	0.0	83	2320	3.2	100	43	607	0.20			2.38	34.377	7.3	7.55	1.14		
DSW40"	11/4/88		3.1	95	41	571	0.00	0.0	78	2188	3.1	94	44	611	0.30			2.41	34.355	7.8	7.66	1.00		
DSW40"	11/9/88		3.2	98	41	580	0.00	0.0	77	2160	3.4	104	43	604	0.23			2.40	34.020	6.8	7.55	1.06		
DSW40"	11/18/88		3.0	94	40	559	0.00	0.0	82	2317	3.1	95	43	596	0.32			2.41	34.384	7.0	7.59	1.08		
DSW40"	11/25/88		3.1	96	41	573	0.00	0.0	80	2233	3.2	98	43	608	0.31			2.40	34.369	6.9	7.58	1.11		
DSW40"	12/2/88		3.1	95	41	568	0.00	0.0	77	2174	3.1	96	43	597	0.30			2.40	34.348	7.0	8.00	1.09		
DSW40"	12/9/88		3.1	96	41	580	0.00	0.0	83	2328	3.1	96	43	608	0.26			2.40	34.384	7.0	7.63	0.98		
DSW40"	12/16/88		3.1	95	41	571	0.00	0.0	79	2205	3.1	96	43	599	0.30			2.40	34.357	7.1	7.66	1.19		
DSW40"	12/23/88		3.2	98	42	585	0.03	0.4	85	2401	3.2	98	44	616	0.27			2.40	34.405	7.3	7.55	1.13		
DSW40"	12/28/88		3.0	94	40	557	0.00	0.0	79	2222	3.0	94	43	604	0.28			2.42	34.377	7.0	7.62	1.07		
DSW40"	1/4/89		3.0	94	40	560	0.00	0.0	79	2206	3.1	94	43	596	0.28			2.42	34.368	7.1	7.57	1.13		
DSW40"	1/12/89		3.1	95	41	568	0.02	0.3	81	2261	3.1	96	45	629	0.29			2.42	34.379	7.2	7.59	0.97		
DSW40"	1/20/89		3.1	96	41	573	0.00	0.0	81	2261	3.1	96	44	610	0.28			2.42	34.384	6.6	7.56	1.00		
DSW40"	1/27/89		3.1	96	41	572	0.02	0.3	82	2289	3.1	97	44	617	0.28			2.41	34.378	6.8	7.57	0.99		
DSW40"	2/1/89		3.1	96	42	584	0.02	0.3	81	2278	3.2	98	44	620	0.32			2.40	34.398	7.2	7.58	1.07		
DSW40"	2/7/89		3.1	96	41	573	0.00	0.0	84	2373	3.2	98	44	620	0.28			2.41	34.392	6.9	7.62	2.23		
DSW40"	2/15/89		3.1	96	41	570	0.00	0.0	80	2250	3.1	97	44	614	0.28			2.40	34.392	9.0	7.56	1.34		
DSW40"	2/21/89		3.1	95	40	565	0.02	0.3	82	2289	3.1	96	44	620	0.31			2.41	34.371	8.7	7.59	1.09		
DSW40"	2/27/89		3.1	95	40	567	0.00	0.0	82	2306	3.1	96	44	615	0.29			2.42	34.368	7.0	7.57	1.01		
DSW40"	3/6/89		3.1	94	41	577	0.02	0.3	74	2076	3.1	96	44	610	0.26			2.40	34.375	7.4	7.55	1.04		
DSW40"	3/13/89		3.0	93	41	574	0.07	1.0	76	2132	3.0	93	44	613	0.23			2.41	34.369	7.5	7.55	1.14		
DSW40"	3/20/89		3.1	95	42	582	0.05	0.7	81	2284	3.1	96	44	621	0.26			2.41	34.404	7.7	7.60	1.14		
DSW40"	3/28/89		3.1	96	42	592	0.07	1.0	84	2368	3.2	98	45	630	0.29			2.42	34.417	7.0	7.56	1.14		
DSW40"	4/4/89		3.1	96	42	585	0.02	0.3	81	2284	3.1	97	44	619	0.30			2.39	34.399	7.0	7.58	1.11		
DSW40"	4/10/89		3.1	95	41	580	0.00	0.0	79	2216	3.1	97	44	616	0.27			2.43	34.384	7.3	7.55	2.09		
DSW40"	4/18/89		3.1	95	41	578	0.02	0.3	77	2171	3.1	96	44	618	0.22			2.41	34.379	7.0	7.56	1.04		
DSW40"	4/24/89		3.0	94	42	582	0.00	0.0	79	2227	3.1	96	45	625	0.33			2.42	34.368	7.1	7.54	1.15		
DSW40"	5/1/89		3.0	94	42	587	0.00	0.0	84	2366	3.1	96	45	636	0.03			2.43	34.381	8.4	7.54	1.04		
DSW40"	5/8/89		3.1	96	42	594	0.00	0.0	86	2410	3.1	97	46	643	0.25			2.43	34.321	8.2	7.54	1.40		
DSW40"	5/15/89		3.1	96	42	591	0.00	0.0	86	2421	3.1	97	46	639	0.24			2.42	34.402	6.7	7.54	1.07		
DSW40"	5/22/89		3.1	95	42	586	0.00	0.0	84	2354	3.1	97	44	622	0.23			2.42	34.398	6.8	7.52	1.40		
DSW40"	5/30/89		3.1	96	42	594	0.00	0.0	87	2448	3.2	98	45	629	0.20			2.42	34.407	6.8	7.55	1.07		
DSW40"	6/5/89		3.1	95	42	592	0.03	0.4	81	2283	3.1	97	45	630	0.25			2.43	34.397	7.2	7.56	1.09		
DSW40"	6/13/89		3.1	95	41	574	0.00	0.0	87	2448	3.1	97	45	635	0.20			2.43	34.411	7.4	7.57	1.10		
DSW40"	6/19/89		3.1	96	42	594	0.00	0.0	87	2448	3.2	99	45	635	0.26			2.44	34.421	7.1	7.58	1.16		
DSW40"	6/26/89		3.1	95	42	584	0.00	0.0	83	2338	3.2	98	45	625	0.27			2.43		7.2		1.10		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/3/89		3.1	95	42	583	0.00	0.0	84	2366	3.1	95	44	623	0.23			2.40	34.410	7.1		1.09		
DSW40"	7/10/89		3.1	96	42	586	0.03	0.4	88	2462	3.1	96	45	632	0.24			2.39	34.419	7.8		1.04		
DSW40"	7/17/89		3.1	96	41	577	0.03	0.4	88	2473	3.2	98	45	626	0.27			2.38	34.429	7.4		1.09		
DSW40"	7/24/89		3.1	96	41	577	0.00	0.0	82	2313	3.1	97	44	621	0.26			2.39	34.392	7.4	7.54	1.04		
DSW40"	8/1/89		3.2	98	42	592	0.03	0.4	89	2500	3.2	98	45	629	0.24			2.38	34.430	7.2	7.53	1.05		
DSW40"	8/7/89		3.1	95	41	573	0.06	0.8	84	2347	3.1	97	44	622	0.29			2.39	34.383	7.5	7.53	0.97		
DSW40"	8/14/89		3.1	96	41	578	0.05	0.7	82	2302	3.1	97	45	623	0.27			2.39	34.385	7.4	7.55	0.93		
DSW40"	8/21/89		3.1	96	42	586	0.03	0.4	84	2366	3.1	97	45	625	0.27			2.39	34.398		7.53	0.90		
DSW40"	8/31/89		3.0	93	41	576	0.03	0.4	79	2217	3.1	95	43	603	0.26			2.37	34.373		7.54	0.97		
DSW40"	9/5/89		3.0	93	41	574	0.03	0.4	76	2148	3.1	95	43	606	0.30			2.39	34.373	7.9	7.56	0.93		
DSW40"	9/11/89		3.0	92	41	570	0.05	0.7	78	2188	3.0	93	44	622	0.24			2.37	34.378	7.6	7.55	1.10		
DSW40"	9/19/89		3.0	94	41	577	0.03	0.4	82	2302	3.1	96	45	633	0.32			2.37	34.394	7.7	7.55	1.13		
DSW40"	9/27/89		3.1	95	42	585	0.05	0.7	85	2377	3.1	95	45	627	0.28			2.37	34.413	7.7	7.58	1.09		
DSW40"	10/3/89		3.0	94	42	589	0.05	0.7	85	2377	3.1	95	43	608	0.27			2.37	34.412	7.9	7.55	1.27		
DSW40"	10/9/89		3.0	94	42	586	0.03	0.4	81	2274	3.0	94	43	604	0.24			2.37	34.388	7.8	7.59	1.09		
DSW40"	10/16/89		3.1	96	43	602	0.03	0.4	88	2462	3.1	97	44	619	0.25			2.37	34.434	7.7	7.55	1.00		
DSW40"	10/23/89		3.0	94	42	585	0.00	0.0	78	2177	3.1	95	44	610	0.31			2.35	34.387	8.0	7.53	1.09		
DSW40"	11/1/89		3.1	95	42	582	0.00	0.0	81	2268	3.1	95	44	612	0.25			2.37	34.377	7.9	7.52	1.07		
DSW40"	11/9/89		3.1	94	41	571	0.02	0.3	81	2278	3.1	95	44	610	0.23			2.60	34.390	7.7	7.55	1.44		
DSW40"	11/13/89		3.1	97	42	586	0.06	0.8	85	2393	3.2	98	45	631	0.27			2.36	34.438	7.6	7.52	1.34		
DSW40"	11/20/89		3.1	95	41	574	0.00	0.0	83	2324	3.1	97	44	618	0.26			2.35	34.405	7.5	7.54	1.37		
DSW40"	11/27/89		3.1	97	41	581	0.02	0.3	87	2450	3.2	98	44	617	0.25			2.37	34.415	7.5	7.51	1.29		
DSW40"	12/7/89		3.1	97	42	586	0.06	0.8	89	2507	3.2	98	45	626	0.25			2.37	34.423	7.6	7.55	1.43		
DSW40"	12/14/89		3.1	95	41	579	0.02	0.3	86	2422	3.1	97	44	610	0.25			2.36	34.402	7.2	7.55	1.31		
DSW40"	12/18/89		3.1	96	41	577	0.02	0.3	85	2393	3.1	97	44	613	0.26			2.36	34.397	7.4	7.54	1.20		
DSW40"	12/26/89		3.1	96	42	582	0.04	0.6	87	2450	3.1	96	44	613	0.23			2.33	34.410	7.2	7.55	1.29		
DSW40"	1/4/90		3.1	96	41	581	0.02	0.3	85	2393	3.1	97	44	615	0.24			2.33	34.397	7.6	7.55	1.17		
DSW40"	1/12/90		1.4	43	25	352	0.00	0.0	104	2930								2.33	34.276	7.5	7.54	1.21		
DSW40"	1/18/90		1.7	52	36	498	0.00	0.0	80	2252	1.7	53	33	458	0.97			2.34	34.435	7.4	7.53	1.26		
DSW40"	1/22/90		1.5	47	33	461	0.00	0.0	100	2799	1.5	46	30	416	0.98			2.34	34.430	7.4	7.54	1.27		
DSW40"	2/1/90		2.1	65	36	507	0.00	0.0	84	2365	2.2	68	36	509	0.80			2.34	34.395	7.5	7.52	1.11		
DSW40"	2/8/90		2.6	81	38	535	0.00	0.0	79	2228	2.7	84	31	437	1.05			2.34	34.410	7.5	7.53	1.49		
DSW40"	2/15/90		2.1	64	31	428	0.23	3.2	80	2244	2.7	84	39	551	0.79			2.34	34.412	7.5	7.55	1.11		
DSW40"	2/20/90		1.5	48	33	461	0.75	10.5	77	2156	2.3	71	40	567	0.84			2.36	34.420	7.5	7.56	1.16		
DSW40"	2/26/90		1.1	35	25	349	0.00	0.0	77	2172	2.0	61	36	507	0.81			2.36	34.417	7.5	7.53	1.17		
DSW40"	3/8/90		2.2	67	30	414	0.00	0.0	99	2775	3.1	94	33	468	0.80			2.36	34.425	7.3	7.55	1.04		
DSW40"	3/13/90		1.9	59	30	423	0.34	4.8	83	2333	2.9	88	44	611	0.89			2.36	34.400	7.5	7.53	1.09		
DSW40"	3/21/90		1.7	54	30	423	0.15	2.1	73	2043	2.5	78	39	539	0.87			2.36	34.416	7.5	7.57	1.06		
DSW40"	3/27/90		2.2	68	33	461	0.15	2.1	72	2011	2.7	83	38	532	0.80			2.37	34.531	7.8	7.56	1.14		
DSW40"	4/2/90		2.6	80	41	579	0.00	0.0	91	2564	2.2	68	44	612				2.36	34.388	7.6	7.52	1.07		
DSW40"	4/9/90		2.2	69	44	611	0.00	0.0	110	3101	1.9	59	41	580				2.37	34.432	7.3	7.55	1.11		
DSW40"	4/16/90		1.8	56	33	457	0.00	0.0	111	3117	1.4	44	29	406				2.36	34.391	7.7	7.59	1.13		
DSW40"	4/23/90		3.0	93	44	613	0.00	0.0			3.1	94	44	614	0.61			2.36	34.428	7.7	7.57	1.13		
DSW40"	4/30/90		3.0	92	43	601	0.00	0.0			3.0	94	43	606				2.35	34.401	7.8	7.55	1.21		
DSW40"	5/7/90		3.0	94	44	612	0.00	0.0			3.1	95	44	622	0.61			2.37	34.120	7.3	7.59	1.13		
DSW40"	5/14/90		3.0	93	43	601	0.10	1.4			3.0	94	44	610	0.57			2.36	34.368	7.5	7.54	1.14		
DSW40"	5/21/90		3.0	94	43	605	0.05	0.7			3.1	96	44	614	0.48			2.36	34.387	7.2	7.59	1.06		
DSW40"	5/29/90		3.0	94	43	608	0.05	0.7			3.1	96	44	618	0.60			2.36	34.389	8.1	7.58	1.11		
DSW40"	6/4/90		3.1	95	44	615	0.01	0.1			3.2	99	45	626	1.68			2.37	34.421	8.1	7.58	1.14		
DSW40"	6/11/90		3.1	96	43	598	0.10	1.4			3.1	97	43	606	2.43			2.37	34.413	8.0	7.58	1.11		
DSW40"	6/18/90		3.1	96	43	597	0.00	0.0			3.3	103	43	606	1.50			2.37	34.396	8.4	7.59	1.12		
DSW40"	6/25/90		3.2	98	43	599	0.02	0.3			3.3	102	43	608	0.66			2.37	34.401	7.7	7.59	1.13		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/2/90		3.2	99	43	600	0.02	0.3	87	2436	3.3	103	44	611	2.25			2.38	34.410	7.8	7.60	1.13		
DSW40"	7/6/90		3.2	98	43	604	0.22	3.1	87	2451	3.4	104	44	611				2.36	34.415	7.5	7.58	1.15		
DSW40"	7/13/90		3.2	99	43	598	0.16	2.2	85	2386	3.4	106	44	610	0.90			2.35	34.396	7.9	7.58	1.20		
DSW40"	7/23/90		3.2	99	43	597	0.00	0.0	85	2378	3.4	104	43	605	2.17			2.35	34.390	7.8	7.58	1.13		
DSW40"	7/30/90		3.2	99	42	595	0.00	0.0	82	2312	3.3	103	43	608	1.30			2.36	34.378	8.1	7.56	1.09		
DSW40"	8/6/90		3.2	100	43	598	0.10	1.4	85	2386	3.2	100	43	608	1.47			2.35	34.403	8.1	7.56	1.11		
DSW40"	8/13/90		3.0	92	42	584	0.00	0.0			3.4	106	43	599	2.69			2.36	34.395	8.0	7.57	1.16		
DSW40"	8/20/90		3.0	94	42	590	0.00	0.0			3.3	103	43	607	0.69			2.35	34.409	8.0	7.57	1.11		
DSW40"	8/27/90		3.0	94	42	590	0.00	0.0			3.3	103	43	604	4.88			2.36	34.412	8.9	7.55	1.20		
DSW40"	9/4/90		3.0	94	42	590	0.00	0.0			3.4	104	44	610	3.53			2.35	34.411	7.9	7.54	1.10		
DSW40"	9/10/90		3.0	94	42	587	0.00	0.0			3.3	103	44	610	0.74			2.35	34.394	7.1	7.56	1.07		
DSW40"	9/17/90		2.5	79	41	579	0.00	0.0	97	2716	3.7	114	46	639	0.78			2.33	34.292	8.4	7.55	1.20		
DSW40"	9/24/90		3.2	98	42	584	0.00	0.0	86	2410	3.5	107	43	603	0.81			2.34	34.382	7.9	7.56	1.11		
DSW40"	10/1/90		3.3	102	45	625	0.00	0.0	86	2428	3.5	109	45	636	0.76			2.33	34.389	8.0	7.57	1.17		
DSW40"	10/10/90		2.8	86	37	521	0.00	0.0	99	2766	3.6	112	48	671	0.88			2.33	34.388	7.9	7.57	1.12		
DSW40"	10/15/90		2.8	86	38	527	0.00	0.0	100	2817	3.9	122	50	707	0.63			2.33	34.383	7.6	8.40	1.13		
DSW40"	10/22/90		3.4	105	43	597	0.00	0.0	88	2480	3.4	106	45	631	0.97			2.33	34.369	8.0	7.54	1.10		
DSW40"	10/29/90		3.4	105	43	600	0.00	0.0	87	2445	3.5	108	45	636	0.67			2.34	34.397	8.0	7.55	1.12		
DSW40"	11/5/90		3.3	101	43	603	0.00	0.0	85	2390	3.6	110	45	631	0.65			2.33	34.378	8.0	7.55	1.11		
DSW40"	11/13/90		3.1	95	46	649	0.00	0.0	86	2424	3.3	101	49	682	0.62			2.34	34.398	8.8	7.54	1.09		
DSW40"	11/20/90		3.2	99	45	626	0.00	0.0	88	2470	3.5	109	47	655	0.66			2.33	34.389	7.5	7.55	1.04		
DSW40"	11/28/90		3.1	97	43	597	0.00	0.0	89	2486	3.2	100	44	619	0.67			2.34	34.397	7.2	7.59	1.10		
DSW40"	12/3/90		3.2	98	42	592	0.00	0.0	86	2427	3.3	102	44	615	0.62			3.33	34.392	7.2	7.55	1.06		
DSW40"	12/11/90		3.1	97	47	663	0.00	0.0	86	2421	3.3	102	50	699	0.59			2.33	34.397	7.3	7.56	1.05		
DSW40"	12/17/90		3.2	98	45	633	0.00	0.0	87	2452	3.2	100	47	656	0.53			2.34	34.417	7.4	7.55	1.08		
DSW40"	12/28/90		3.1	96	39	539	0.00	0.0	92	2573	3.4	106	39	545	1.14			2.35	34.423	6.6	7.56	1.08		
DSW40"	1/2/91		3.1	96	42	591	0.04	0.6	89	2486	3.2	98	44	618				2.33	34.424	7.0	7.56	0.97		
DSW40"	1/7/91																	2.33		7.7	7.60	0.94		
DSW40"	1/11/91		3.1	96	45	631	0.13	1.8	87	2440	3.3	102	46	643	0.68				34.402					
DSW40"	1/14/91														0.63			2.33	34.414	7.5	7.56	0.88		
DSW40"	1/24/91		2.9	90	42	595	0.03	0.4	79	2208	3.0	93	45	626	0.61			2.32	34.384	7.6	7.58	0.83		
DSW40"	1/28/91		3.3	101	43	602	0.13	1.8	85	2379	3.3	102	44	622	0.62			2.27	34.427	7.4	7.57	0.96		
DSW40"	2/4/91		3.1	97	42	595	0.14	2.0	79	2213	3.2	100	45	628	1.33			2.26	34.389	7.8	7.55	0.87		
DSW40"	2/11/91		3.2	99	44	613	0.14	2.0	87	2429	3.3	102	47	651	1.39			2.27	34.448	7.8	7.59	1.01		
DSW40"	2/19/91		3.0	94	43	598	0.16	2.2	88	2466	3.1	97	45	623	1.27			2.26	34.407	8.1	7.56	0.88		
DSW40"	2/25/91		2.3	71	32	454	0.02	0.3	105	2943	3.5	108	49	689	1.01			2.26	34.403	7.9	7.59	0.86		
DSW40"	3/4/91		2.6	81	36	497	0.05	0.7	93	2615	3.2	98	45	632	1.08			2.25	34.385	8.4	7.56	0.89		
DSW40"	3/11/91		2.5	77	34	482	0.02	0.3	99	2778	3.4	106	49	681	1.16			2.26	34.371	8.0	7.54	0.89		
DSW40"	3/18/91		2.3	72	34	469	0.00	0.0	104	2912	3.5	107	49	686	1.02			2.24	34.408	7.6	7.51	0.96		
DSW40"	3/27/91		2.3	70	32	445	0.05	0.7	114	3196	3.2	100	46	649	1.00			2.25	34.432	7.8	8.54	1.03		
DSW40"	4/1/91		3.2	99	42	587	0.00	0.0	90	2525	3.3	101	44	619	0.76			2.24	34.350	8.0		0.96		
DSW40"	4/8/91		3.3	101	43	598	0.00	0.0	89	2505	3.3	103	46	642	0.63			2.37	34.416	8.0	7.55	0.99		
DSW40"	4/15/91		3.0	92	41	580	0.13	1.8	78	2193	3.1	97	43	598	0.65			2.37	34.412	8.5	7.53	1.02		
DSW40"	4/23/91		3.2	99	34	475	0.00	0.0	87	2449	3.3	102	36	500	0.71			2.37	34.412	7.9	7.51	1.07		
DSW40"	4/29/91		3.2	98	43	605	0.05	0.7	85	2379	3.2	100	45	626	0.71			2.37	34.396	8.3	7.55	1.02		
DSW40"	5/6/91		3.0	93	42	587	0.11	1.5	86	2413	3.1	96	44	612	0.67			2.37	34.400	8.4	7.54	1.07		
DSW40"	5/13/91		3.0	94	42	588	0.16	2.2	87	2455	3.1	97	44	620	0.69			2.37	34.416	8.3	7.52	1.07		
DSW40"	5/20/91		3.2	98	46	644	0.11	1.5	90	2536	3.2	100	49	691	0.74			2.38	34.411	7.5	7.51	0.98		
DSW40"	5/28/91		3.2	98	45	625	0.31	4.3			3.2	99	46	646	0.71			2.37	34.403	7.7	7.50	1.03		
DSW40"	6/4/91		3.0	94	42	592	0.00	0.0	87	2429	3.1	97	44	622	0.70			2.37	34.389	8.7	7.58	1.07		
DSW40"	6/10/91		3.2	98	37	522	0.24	3.4	87	2429	3.4	104	38	534	0.70			2.37	34.401	8.4	7.55	1.02		
DSW40"	6/17/91		3.2	99	42	588	0.12	1.7	85	2382	3.4	106	44	609	0.80			2.37	34.369	8.9	7.60	1.03		
DSW40"	6/24/91		3.3	102	43	601	0.22	3.1	85	2382	3.5	108	47	651	0.66			2.38	34.412	8.2	7.57	0.67		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/1/91		3.3	102	40	566	0.21	2.9	88	2472	3.5	109	46	642	0.65			2.38	34.392	8.7	7.57	0.66		
DSW40"	7/9/91		3.2	99	42	588	0.15	2.1	88	2477	3.5	108	45	626	0.69			2.39	34.404	7.8	7.56	1.06		
DSW40"	7/16/91		3.4	104	42	592	0.07	1.0	84	2354	3.5	108	45	625	0.63			2.38	34.367	8.7	7.56	1.06		
DSW40"	7/22/91		3.3	103	42	594	0.12	1.7	87	2446	3.7	116	45	630	0.55			2.39	34.409	8.2	7.57	1.05		
DSW40"	7/26/91		3.4	104	43	604	0.15	2.1	88	2457	3.4	106	45	630	0.68			2.38	34.371	7.9	7.55	1.02		
DSW40"	8/5/91		3.3	102	43	604	0.18	2.5	85	2382	3.3	103	46	647	0.55			2.38	34.369	8.8	7.49	1.02		
DSW40"	8/15/91		3.3	101	43	597	0.23	3.2	88	2460	3.4	104	44	615	0.65			2.39	34.391	8.2	7.54	1.05		
DSW40"	8/21/91		3.2	99	44	609	0.24	3.4	90	2525	3.6	112	46	637	0.58			2.40	34.453	7.7	7.56	1.13		
DSW40"	8/27/91		3.2	98	43	605	0.15	2.1	88	2474	3.3	101	44	611	0.80			2.39	34.399	8.1	7.56	1.02		
DSW40"	9/6/91		3.1	96	45	625	0.25	3.5	80	2252	3.2	98	48	667	0.69			2.39	34.404	7.7	7.57	1.08		
DSW40"	9/13/91		3.1	95	42	587	0.18	2.5	87	2446	3.1	96	43	601	0.69			2.38	34.380	7.9	7.56	1.08		
DSW40"	9/18/91		3.4	104	43	599	0.25	3.5	91	2542	3.5	107	44	616	0.59			2.39	34.436	7.5	7.59	1.09		
DSW40"	9/25/91		3.1	96	42	592	0.15	2.1	92	2581	3.2	98	46	650	0.61			2.40	34.436	8.2	7.53	1.14		
DSW40"	10/1/91		2.7	85	43	602	0.00	0.0	90	2539	3.0	93	44	622	0.69			2.40	34.428	8.5	7.55	1.14		
DSW40"	10/9/91		2.9	90	42	591	0.00	0.0	91	2542	3.0	92	45	626	0.60			2.39	34.421	8.1	7.53	1.88		
DSW40"	10/25/91		3.4	105	42	587	0.00	0.0	90	2519	3.4	106	44	619	1.04			2.41	34.427	7.7	7.57	1.13		
DSW40"	11/4/91		3.1	97	42	594	0.00	0.0	87	2443	3.3	101	45	625	0.99			2.39	34.395	8.5	7.56	1.09		
DSW40"	11/8/91		3.1	94	41	580	0.00	0.0	87	2449	3.2	99	43	605	1.04			2.39	34.374	8.4	7.57	1.10		
DSW40"	11/14/91		3.1	94	42	588	0.00	0.0	86	2421	3.2	99	44	613	0.69			2.39	34.387	8.2	7.55	1.07		
DSW40"	11/22/91		3.1	94	42	583	0.12	1.7	84	2356	3.2	98	43	602	0.63			2.38	34.372	7.2	7.55	1.00		
DSW40"	11/29/91		3.0	94	43	597	0.25	3.5	86	2413	3.2	99	44	611	0.68			2.35	34.374	7.1	7.55	1.05		
DSW40"	12/6/91		3.1	97	42	583	0.10	1.4	83	2340	3.3	102	43	597	0.64			2.37	34.379	7.3	7.55	1.07		
DSW40"	12/12/91		3.0	93	41	580	0.13	1.8	86	2404	3.2	98	44	612	0.64			2.38	34.377	7.9	7.56	1.04		
DSW40"	12/19/91		3.1	97	42	594	0.15	2.1	85	2393	3.2	100	45	626	0.86			2.38	34.392	7.3	7.55	1.03		
DSW40"	12/23/91		3.2	100	41	577	0.00	0.0	87	2446	3.3	101	43	606	0.65			2.38	34.387	7.4	7.54	1.00		
DSW40"	1/3/92		3.2	100	42	588	0.00	0.0	83	2331	3.3	103	45	632	1.46			2.35	34.400	7.6	7.55	0.89		
DSW40"	1/10/92		3.1	96	41	580	0.14	2.0	84	2351	3.2	98	44	613	0.74			2.36	34.385	7.9	7.56	0.91		
DSW40"	1/16/92		3.2	98	42	590	0.11	1.5	91	2542	3.2	100	44	622	0.69			2.36	34.440	7.1	7.57	1.01		
DSW40"	1/22/92		3.2	98	43	597	0.06	0.8	84	2368	3.3	101	45	623	0.93			2.35	34.385	7.0	7.59	0.91		
DSW40"	1/30/92		3.2	100	43	597	0.13	1.8	84	2348	3.3	102	44	620	0.77			2.36	34.408	7.9	7.56	0.96		
DSW40"	2/6/92		3.2	98	42	590	0.30	4.2	84	2362	3.2	99	44	620	0.79			2.35	34.397	7.3	7.58	0.95		
DSW40"	2/14/92		3.1	97	42	583	0.20	2.8	88	2457	3.2	100	44	615	0.82			2.35	34.411	7.5	7.56	0.89		
DSW40"	2/20/92		3.1	96	44	615	0.08	1.1	85	2390	3.2	98	45	635	0.76			2.35	34.413	8.0	7.57	0.93		
DSW40"	2/27/92		3.1	96	42	581	0.10	1.4	83	2320	3.2	100	43	606	0.77			2.35	34.412	7.5	7.56	0.91		
DSW40"	3/5/92		3.1	95	43	605	0.30	4.2	83	2334	3.1	97	46	637	0.82			2.37	34.404	7.7	7.57	0.97		
DSW40"	3/12/92		3.2	98	42	587	0.00	0.0	82	2289	3.2	100	43	602	0.99			2.35	34.395	8.4	7.55	0.96		
DSW40"	3/20/92		3.2	98	43	601	0.04	0.6	79	2219	3.7	114	49	682	0.68			2.36	34.399	7.4	7.53	0.89		
DSW40"	3/25/92		3.2	98	42	591	0.00	0.0	84	2345	3.3	102	49	681	0.81			2.36	34.420	7.8	7.57	0.95		
DSW40"	4/2/92		3.3	101	42	590	0.00	0.0	84	2351	3.4	104	47	653	1.14			2.36	34.408	8.2	7.58	0.98		
DSW40"	4/9/92		3.3	103	42	591	0.43	6.0	83	2320	3.4	105	44	617	1.03			2.35	34.401	8.0	7.57	0.96		
DSW40"	4/21/92		3.3	101	42	581	0.47	6.6	82	2300	3.6	112	45	627	1.00			2.35	34.384	8.0	7.55	0.97		
DSW40"	4/24/92		3.1	96	41	573	0.24	3.4	80	2247	3.4	106	44	620	0.86			2.35	34.390	7.9	7.55	0.94		
DSW40"	5/1/92		3.2	99	41	577	0.23	3.2	82	2314	3.4	105	50	702	0.86			2.36	34.368	7.8	7.55	0.96		
DSW40"	5/7/92		3.3	101	43	606	0.30	4.2	84	2355	3.5	109	47	658	1.06			2.34	34.412	7.8	7.56	0.98		
DSW40"	5/15/92		3.1	96	43	597	0.27	3.8	86	2423	3.3	101	45	636	1.32			2.36	34.402	8.2	7.54	0.98		
DSW40"	5/21/92		3.0	93	41	576	0.32	4.5	83	2337	3.1	97	43	602	1.27			2.36	34.380	8.5	7.52	0.95		
DSW40"	5/29/92		2.9	91	42	581	0.23	3.2	83	2323	3.1	95	44	616	1.16			2.37	34.393	7.7	7.54	0.89		
DSW40"	6/4/92		3.1	97	41	573	0.00	0.0	83	2325	3.2	99	45	626	1.29			2.36	34.382	7.8	7.55	0.96		
DSW40"	6/9/92		3.0	93	45	635	0.33	4.6	84	2345	3.2	98	49	685	0.66			2.36	34.393	7.5	7.53	0.95		
DSW40"	6/19/92		3.0	92	42	590	0.25	3.5	83	2342	3.1	96	53	748	0.85			2.37	34.398	7.4	7.54	0.97		
DSW40"	6/25/92		3.0	92	42	587	0.31	4.3	85	2373	3.0	94	45	626	0.74			2.38	34.427	7.4	7.54	0.99		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/2/92		3.0	93	41	580	0.26	3.6	81	2266	3.1	95	43	608	0.70			2.38	34.386	7.5	7.55	0.97		
DSW40"	7/9/92		3.0	92	42	581	0.80	11.2	80	2247	3.1	96	43	606	0.70			2.37	34.392	8.0	7.54	1.01		
DSW40"	7/16/92		3.0	93	41	574	0.15	2.1	82	2303	3.0	94	42	581	0.77			2.37	34.385	7.8	7.55	0.95		
DSW40"	7/23/92		3.0	94	42	583	0.20	2.8	83	2331	3.1	97	44	619	0.97			2.37	34.399	8.1	7.55	0.99		
DSW40"	7/31/92		3.1	94	43	595	0.00	0.0	86	2412	3.2	98	45	626	0.86			2.37	34.402	7.9	7.50	1.04		
DSW40"	8/6/92		3.2	98	42	590	0.38	5.3	85	2396	3.3	101	44	620	0.79			2.38	34.405	7.8	7.56	1.06		
DSW40"	8/14/92		3.1	95	42	587	0.54	7.6	86	2409	3.3	101	45	632	0.68			2.38	34.410	7.2	7.56	1.09		
DSW40"	8/20/92		3.1	96	41	579	0.00	0.0	82	2300	3.2	99	47	664	0.82			2.37	34.373	7.6	7.56	1.05		
DSW40"	8/27/92		3.1	96	41	579	0.29	4.1	83	2337	3.2	98	45	626	0.75			2.38	34.412	7.5	7.55	1.12		
DSW40"	9/3/92		3.2	98	41	578	0.17	2.4	87	2443	3.3	101	46	649	0.68			2.37	34.391	7.5	7.56	1.09		
DSW40"	9/10/92		3.2	98	42	588	0.09	1.3	86	2407	3.3	103	44	612	0.96			2.38	34.429	7.6	7.55	1.13		
DSW40"	9/17/92		3.2	98	41	571	0.48	6.7	79	2226	3.3	102	49	681	0.68			2.37	34.362	7.4	7.55	1.06		
DSW40"	9/25/92		3.1	97	42	589	0.08	1.1	87	2455	3.2	99	48	668	0.68			2.37	34.396	7.8	7.55	1.11		
DSW40"	10/1/92		3.1	95	42	583	0.00	0.0	83	2342	3.2	99	46	640	0.69			2.38	34.400	7.9	7.57	1.06		
DSW40"	10/8/92		3.1	97	42	591	0.00	0.0	87	2432	3.2	99	46	647	0.62			2.38	34.409	7.8	7.57	1.04		
DSW40"	10/16/92		3.2	98	42	587	0.11	1.5	85	2384	3.2	100	47	658	0.73			2.38	34.399	7.8	7.56	1.10		
DSW40"	10/22/92		3.0	94	40	558	0.37	5.2	80	2253	3.2	98	45	633	1.01			2.36	34.330	8.6	7.56	1.23		
DSW40"	10/29/92		3.1	96	42	581	0.23	3.2	81	2286	3.3	102	44	616	0.75			2.37	34.359	8.0	7.56	1.12		
DSW40"	11/5/92		3.1	97	42	584	0.50	7.0	90	2518	3.3	102	46	643	0.72			2.39	34.388	7.2	7.57	1.08		
DSW40"	11/12/92		3.1	96	40	559	0.42	5.9	85	2396	3.2	100	45	634	0.90			2.38	34.347	8.0	7.57	1.12		
DSW40"	11/19/92		3.1	97	42	590	0.46	6.4	90	2530	3.4	105	45	624	0.73			2.38	34.372	7.7	7.55	1.07		
DSW40"	11/25/92		3.1	96	42	594	0.19	2.7	87	2436	3.4	104	44	618	0.75			2.37	34.346	7.3	7.56	1.06		
DSW40"	12/3/92		2.9	89	38	531	0.33	4.7	72	2011	3.3	101	41	568	0.84			2.37	34.247	7.5	7.56	1.07		
DSW40"	12/10/92		3.0	94	42	586	0.36	5.0	87	2442	3.3	102	44	623	0.79			2.37	34.351	8.1	7.56	1.16		
DSW40"	12/17/92		3.1	95	42	593	0.43	6.0	90	2534	3.3	102	45	626	0.75			2.38	34.386	7.7	7.55	1.11		
DSW40"	12/23/92		3.1	95	42	587	0.39	5.5	87	2431	3.5	108	44	615	0.73			2.38	34.376	7.6	7.58	1.16		
DSW40"	12/30/92		3.1	96	42	589	0.39	5.5	84	2363	3.3	103	45	632	0.80			2.37	34.356	7.7	7.58	1.11		
DSW40"	1/7/93		2.7	84	40	556	0.24	3.4	79	2225	2.9	88	42	590	0.86			2.35	34.369	10.6	7.65	2.07		
DSW40"	1/14/93		3.1	96	42	582	0.48	6.7	83	2318	3.2	98	45	626	0.77			2.36	34.376	7.3	7.55	1.14		
DSW40"	1/21/93		3.1	95	41	577	0.44	6.2	82	2311	3.1	95	45	629	0.80			2.35	34.362	7.9	7.58	1.19		
DSW40"	1/28/93		3.1	95	42	588	0.42	5.9	84	2354	3.1	96	50	698	0.85			2.36	34.383	7.2	7.57	1.11		
DSW40"	2/3/93		3.1	95	43	597	0.27	3.8	84	2347	3.1	96	44	619	0.57			2.36	34.378	7.6	7.57	1.14		
DSW40"	2/11/93		3.1	96	42	587	0.10	1.4	83	2321	3.2	99	43	606	0.58			2.36	34.401	7.7	7.58	1.18		
DSW40"	2/16/93		3.1	96	42	595	0.13	1.8	85	2384	3.3	101	44	621	0.64			2.36	34.427	7.8	7.59	1.16		
DSW40"	2/25/93		3.1	94	42	584	0.06	0.8	82	2301	3.1	95	44	610	0.67			2.36	34.396	7.6	7.59	1.11		
DSW40"	3/3/93		3.0	94	42	587	0.16	2.2	84	2366	3.1	94	45	632	0.69			2.36	34.412	7.7	7.60	1.13		
DSW40"	3/11/93		2.7	83	38	535	0.16	2.2	68	1897	2.8	86	41	571	0.72			2.33	34.294	10.0	7.63	6.06		
DSW40"	3/18/93		3.1	95	42	588	0.21	2.9	85	2395	3.2	98	45	626	0.70			2.35	34.420	7.0	7.59	1.12		
DSW40"	3/24/93		3.1	95	42	591	0.15	2.1	83	2324	3.1	97	46	642	0.67			2.35	34.409	6.9	7.60	1.12		
DSW40"	4/1/93		3.0	94	41	580	0.14	2.0	82	2289	3.1	95	46	647	0.68			2.36	34.385	7.8	7.59	1.12		
DSW40"	4/7/93		3.1	94	41	574	0.13	1.8	82	2291	3.1	96	47	655	0.59			2.35	34.374	7.7	7.61	1.15		
DSW40"	4/15/93		3.1	95	42	586	0.22	3.1	83	2318	3.2	98	45	632	0.72			2.35	34.376	8.3	7.60	1.24		
DSW40"	4/22/93		3.0	94	41	579	0.27	3.8	76	2147	3.1	96	44	621	0.69			2.35	34.358	8.1	7.58	1.20		
DSW40"	4/29/93		3.0	94	37	523	0.36	5.0	81	2265	3.1	96	45	626	0.66			2.35	34.360	8.3	7.58	1.15		
DSW40"	5/6/93		3.1	95	41	579	0.39	5.5	85	2400	3.1	96	46	639	0.68			2.36	34.382	7.8	7.59	1.17		
DSW40"	5/13/93		3.0	92	41	578	0.41	5.7	80	2255	3.0	94	49	682	0.64			2.36	34.372	8.0	7.59	1.16		
DSW40"	5/18/93		3.1	97	42	585	0.45	6.3	86	2418	3.2	98	44	617	0.70			2.36	34.390	7.7	7.58	1.11		
DSW40"	5/27/93		3.1	95	41	574	0.43	6.0	81	2272	3.2	98	45	635	0.74			2.35	34.348	8.4	7.58	1.17		
DSW40"	6/1/93		3.1	95	41	579	0.42	5.9	86	2402	3.1	97	47	665	0.65			2.36	34.391	7.9	7.58	1.15		
DSW40"	6/8/93		3.0	93	41	574	0.19	2.7	83	2331	3.1	95	43	601	0.66			2.35	34.366	8.2	7.58	1.13		
DSW40"	6/16/93		3.0	94	41	574	0.25	3.5	79	2228	3.1	95	43	596	0.65			2.35	34.361	8.2	7.58	1.15		
DSW40"	6/24/93		2.9	89	39	550	0.21	2.9	72	2032	2.9	91	41	577	0.65			2.34	34.300	9.9	7.59	1.26		
DSW40"	6/30/93		3.0	91	40	560	0.31	4.3	75	2111	3.1	94	44	620	0.69			2.34	34.317	9.8	7.57	1.21		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/6/93		3.1	95	42	583	0.25	3.5	81	2261	3.1	96	46	643	0.65			2.37	34.372	8.4	7.58	1.15		
DSW40"	7/12/93		3.1	96	42	582	0.37	5.2	82	2303	3.1	97	46	646	0.71			2.37	34.380	8.3	7.58	1.13		
DSW40"	7/19/93		3.0	94	41	577	0.14	2.0	81	2270	3.1	96	44	615	0.65			2.37	34.362	8.4	7.60	1.16		
DSW40"	7/30/93		2.9	91	39	549	0.19	2.7	72	2008	3.0	94	42	582	0.70			2.36	34.305	9.6	7.57	1.23		
DSW40"	8/4/93		3.0	93	41	579	0.21	2.9	82	2297	3.1	95	43	607	0.71			2.39	34.388	8.8	7.56	1.13		
DSW40"	8/10/93		2.9	90	42	588	0.18	2.5	84	2361	3.1	97	44	611	0.71			2.40	34.410	8.1	7.56	1.12		
DSW40"	8/18/93		3.0	94	41	573	0.31	4.3	71	2002	3.1	95	42	595	0.70			2.39	34.376	8.6	7.56	1.06		
DSW40"	8/25/93		3.1	95	42	581	0.19	2.7	83	2318	3.1	96	47	654	0.72			2.39	34.395	9.1	7.58	1.16		
DSW40"	9/2/93		3.1	94	41	574	0.28	3.9	79	2231	3.2	99	49	689	0.68			2.39	34.380	8.5	7.57	1.07		
DSW40"	9/9/93		3.0	94	41	573	0.28	3.9	77	2151	3.2	99	53	737	0.70			2.38	34.379	8.7	7.56	1.15		
DSW40"	9/14/93		3.0	94	41	571	0.16	2.2	77	2157	3.1	97	54	762	0.71			2.37	34.363	9.0	7.58	1.15		
DSW40"	9/21/93		3.1	96	41	575	0.22	3.1	82	2313	3.2	98	45	625	0.69			2.38	34.401	8.6	7.56	1.15		
DSW40"	9/28/93		3.0	94	41	574	0.13	1.8	78	2199	3.0	94	44	612	0.67			2.38	34.389	8.8	7.56	1.13		
DSW40"	10/7/93		3.0	93	42	582	0.17	2.4	73	2056	3.0	93	45	630	0.63			2.33	34.411	8.8	7.56	1.15		
DSW40"	10/12/93		3.1	95	41	578	0.15	2.1	81	2286	3.0	94	46	648	0.58			2.32	34.403	8.4	7.57	1.15		
DSW40"	10/19/93		3.0	94	41	580	0.11	1.5	81	2287	3.1	95	46	638	0.59			2.33	34.414	8.0	7.58	1.14		
DSW40"	10/28/93		3.0	94	41	571	0.25	3.5	78	2186	3.1	95	43	607	0.63			2.32	34.372	8.0	7.57	1.14		
DSW40"	11/2/93		3.1	96	41	578	0.15	2.1	82	2313	3.2	98	44	617	0.62			2.33	34.403	8.3	7.57	1.13		
DSW40"	11/9/93		2.9	90	40	567	0.37	5.2	80	2240	3.1	96	45	627	0.65			2.32	34.367	9.0	7.58	1.11		
DSW40"	11/16/93		3.1	94	42	581	0.11	1.5	83	2321	3.1	96	45	630	0.64			2.33	34.403	8.3	7.58	1.12		
DSW40"	11/23/93		3.0	94	40	567	0.18	2.5	80	2247	3.1	96	44	620	0.67			2.32	34.388	15.3	7.56	1.03		
DSW40"	12/1/93		3.0	94	41	576	0.09	1.3	81	2280	3.1	95	44	615	0.63			2.33	34.394	8.2	7.58	1.14		
DSW40"	12/9/93		3.1	97	41	574	0.02	0.3	80	2258	3.3	101	44	619	0.76			2.32	34.386	8.2	7.58	1.09		
DSW40"	12/14/93		3.1	95	40	566	0.01	0.1	78	2196	3.2	98	44	609	0.75			2.31	34.377	8.8	7.59	1.11		
DSW40"	12/20/93		3.0	93	41	572	0.16	2.2	83	2341	3.1	96	44	621	0.65			2.33	34.398	8.7	7.58	1.21		
DSW40"	12/28/93		3.1	94	41	577	0.33	4.6	84	2356	3.1	96	46	645	0.70			2.33	34.401	7.1	7.59	1.17		
DSW40"	1/6/94		3.1	96	41	579	0.35	4.9	84	2365	3.1	97	44	623	0.81			2.37	34.399	8.4	7.58	1.21		
DSW40"	1/12/94		3.1	97	41	579	0.14	2.0	85	2388	3.0	94	44	622	0.79			2.37	34.399	8.5	7.59	1.25		
DSW40"	1/18/94		3.1	95	11	150	0.05	0.7	81	2264	3.1	97	44	619	0.85			2.37	34.370	7.8	7.59	1.17		
DSW40"	1/26/94		3.0	92	41	575	0.04	0.6	83	2345	3.1	97	46	641	0.74			2.37	34.396	7.5	7.58	1.16		
DSW40"	2/2/94		3.1	95	41	575	0.12	1.7	86	2415	3.1	95	48	672	0.65			2.37	34.400	7.9	7.60	1.22		
DSW40"	2/9/94		3.1	95	42	585	0.28	3.9	86	2403	3.1	96	47	665	0.69			2.37	34.391	8.9	7.60	1.19		
DSW40"	2/15/94		3.1	97	41	576	0.17	2.4	86	2407	3.2	98	51	717	0.64			2.37	34.392	7.6	7.58	1.20		
DSW40"	2/24/94		3.1	94	40	556	0.14	2.0	81	2284	3.1	95	48	665	0.69			2.36	34.353	8.7	7.59	1.24		
DSW40"	3/2/94		3.0	94	41	578	0.08	1.1	80	2249	3.1	97	49	686	0.86			2.37	34.382	7.8	7.59	1.20		
DSW40"	3/9/94		3.1	96	41	568	0.25	3.5	87	2452	3.1	97	45	625	0.78			2.37	34.409	8.9	7.60	1.26		
DSW40"	3/17/94		3.0	94	40	565	0.10	1.4	81	2265	3.1	97	44	617	0.56			2.36	34.350	8.2	7.57	1.20		
DSW40"	3/22/94		3.0	94	41	575	0.02	0.3	84	2372	3.1	95	46	641	0.59			2.37	34.393	7.9	7.58	1.11		
DSW40"	3/29/94		3.0	94	41	569	0.05	0.7	79	2225	3.0	94	45	624	0.58			2.36	34.343	8.5	7.96	1.20		
DSW40"	4/5/94		3.1	95	41	578	0.09	1.3	88	2459	3.2	98	46	638	0.60			2.37	34.405	8.0	7.58	1.22		
DSW40"	4/14/94		3.1	96	41	577	0.10	1.4	86	2407	3.2	99	45	629	0.70			2.37	34.411	7.9	7.59	1.14		
DSW40"	5/12/94		3.1	97	42	582	0.02	0.3	85	2388	3.2	99	45	624	0.73			2.37	34.405	8.4	7.59	1.13		
DSW40"	5/17/94		3.0	94	41	575	0.06	0.8	86	2425	3.1	96	43	608	0.65			2.37	34.406	8.6	7.59	1.17		
DSW40"	5/25/94		3.1	95	41	570	0.09	1.3	82	2293	3.1	95	47	655	0.64			2.36	34.361	8.2	7.57	1.17		
DSW40"	6/1/94		3.1	95	41	579	0.04	0.6	86	2414	3.1	97	51	714	0.58			2.37	34.403	8.5	7.58	1.15		
DSW40"	6/7/94		3.0	93	40	554	0.06	0.8	77	2149	3.0	93	43	604	0.63			2.35	34.343	9.7	7.60	1.30		
DSW40"	6/16/94		3.0	93	41	572	0.01	0.1	84	2364	3.1	95	51	710	0.60			2.37	34.385	9.1	7.58	1.10		
DSW40"	6/23/94		3.0	94	41	579	0.15	2.1	86	2409	3.1	95	44	620	0.65			2.37	34.388	9.0	7.56	1.26		
DSW40"	6/29/94		3.0	94	41	572	0.22	3.1	87	2440	3.1	95	44	622	0.67			2.36	34.374	9.2	7.56	1.24		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/5/94		3.1	94	41	573	0.10	1.4	80	2249	3.1	95	44	623	0.65			2.36	34.361	9.7	7.56	1.29		
DSW40"	7/12/94		3.0	94	41	569	0.20	2.8	85	2400	3.1	97	44	615	0.61			2.36	34.364	9.9	7.58	1.25		
DSW40"	7/19/94		3.1	95	41	580	0.20	2.8	89	2505	3.1	97	47	654	0.65			2.38	34.406	9.1	7.57	1.24		
DSW40"	7/27/94		3.0	94	40	556	0.20	2.8	84	2370	3.2	98	45	625	0.64			2.37	34.384	8.5	7.55	1.17		
DSW40"	8/1/94		3.1	95	42	582	0.02	0.3	86	2406	3.1	96	44	618	0.62			2.37	34.398	8.4	7.57	1.19		
DSW40"	8/10/94		3.1	94	41	574	0.21	2.9	84	2356	3.1	95	45	624	0.70			2.37	34.383	7.8	7.57	1.16		
DSW40"	8/16/94		3.0	94	41	574	0.07	1.0	85	2395	3.1	95	45	626	0.65			2.37	34.390	8.7	7.56	1.21		
DSW40"	8/25/94		3.0	93	40	566	0.00	0.0	87	2447	3.2	99	48	671	0.69			2.37	34.364	8.5	7.57	1.22		
DSW40"	8/30/94		3.1	95	41	579	0.09	1.3	87	2445	3.1	95	45	626	0.69			2.37	34.375	8.5	7.57	1.22		
DSW40"	9/7/94		3.1	96	42	582	0.20	2.8	89	2491	3.2	100	46	640	0.65			2.37	34.386	8.7	7.57	1.14		
DSW40"	9/12/94		3.1	95	41	580	0.17	2.4	89	2491	3.2	98	47	652	0.65			2.38	34.423	8.8	7.57	1.20		
DSW40"	9/20/94		3.1	95	41	574	0.04	0.6	85	2401	3.1	96	48	670	0.68			2.37	34.371	9.9	7.58	1.14		
DSW40"	9/26/94		3.1	97	40	566	0.01	0.1	85	2399	3.2	99	53	737	0.68	0.04		2.37	34.363	9.2	7.56	1.15		
DSW40"	10/3/94		3.1	96	41	570	0.07	1.0	87	2447	3.1	95	44	620	0.61	0.01		2.36	34.392	8.6	7.58	1.22		
DSW40"	10/11/94		3.1	96	41	576	0.14	2.0	87	2454	3.2	98	36	498	0.53	0.00		2.36	34.402	8.9	7.59	1.21		
DSW40"	10/20/94		2.9	91	41	571	0.08	1.1	85	2373	3.0	94	30	415	0.45	0.00		2.36	34.356	9.3	7.58	1.16		
DSW40"	10/27/94		3.0	94	40	557	0.56	7.8	106	2991	3.1	96	45	634	0.65	0.12		2.37	34.390	8.0	7.58	1.16		
DSW40"	11/3/94		3.1	96	40	554	0.56	7.8	81	2273	3.2	98	45	628	0.69	0.09		2.36	34.365	10.2	7.58	1.18		
DSW40"	11/9/94		3.1	96	41	576	0.56	7.8	85	2391	3.1	96	45	626	0.63	0.12		2.37	34.388	11.5	7.59	1.21		
DSW40"	11/17/94		3.1	95	42	582	0.56	7.8	88	2470	3.1	96	45	630	0.79	0.07		2.37	34.394	9.1	7.56	1.16		
DSW40"	11/23/94		3.1	96	41	576	0.56	7.8	84	2372	3.1	97	46	641	0.71	0.00		2.37	34.379	9.6	7.59	1.18		
DSW40"	11/29/94		3.0	94	41	578	0.56	7.8	88	2462	3.1	96	45	633	0.63	0.03		2.38	34.393	9.2	7.57	1.23		
DSW40"	12/7/94		3.1	97	41	573	0.56	7.8	85	2390	3.2	98	45	626	0.66	0.12		2.37	34.367	9.4	7.55	1.16		
DSW40"	12/12/94		3.1	95	41	575	0.30	4.2	86	2414	3.2	98	46	638	0.66	0.05		2.36	34.370	10.1	7.56	1.24		
DSW40"	12/20/94		3.1	97	42	584	0.03	0.4	87	2450	3.4	104	47	657	0.69	0.04		2.36	34.381	7.2	7.59	1.13		
DSW40"	12/27/94		3.2	98	42	588	0.04	0.6	88	2470	3.3	101	46	645	0.64	0.18		2.40	34.400	7.9	7.58	1.19		
DSW40"	1/3/95		3.1	96	42	592	0.01	0.1	87	2449	3.2	98	42	589	0.55	0.04		2.33	34.396	7.5	7.59	1.08		
DSW40"	1/10/95		3.2	98	42	586	0.03	0.4	87	2435	3.2	100	45	630	0.62	0.00		2.34	34.376	7.7	7.58	1.22		
DSW40"	1/19/95		3.1	95	41	580	0.22	3.1	88	2464	3.1	96	45	632	0.59	0.04		2.32	34.382	8.4	7.60	1.23		
DSW40"	1/26/95		3.1	97	42	588	0.01	0.1	88	2473	3.2	98	47	655	0.65	0.19		2.33	34.408	7.4	7.57	1.22		
DSW40"	1/31/95		3.0	93	40	563	0.17	2.4	83	2319	3.0	94	43	607	0.64	0.05		2.32	34.376	8.7	7.60	1.45		
DSW40"	2/10/95		3.2	98	42	583	0.04	0.6	90	2514	3.2	99	47	656	0.70	0.27		2.33	34.419	8.1	7.57	1.20		
DSW40"	2/16/95		3.0	94	42	591	0.20	2.8	84	2348	3.1	96	45	626	0.69	0.00		2.33	34.367	7.4	7.58	1.08		
DSW40"	2/24/95		3.1	97	42	592	0.19	2.7	89	2495	3.2	98	45	632	0.65	0.01		2.33	34.415	7.6	7.58	1.08		
DSW40"	3/1/95		3.1	96	41	575	0.32	4.5	89	2502	3.1	96	46	642	0.73	0.03		2.33	34.368	7.8	7.56	1.07		
DSW40"	3/7/95		3.1	97	41	580	0.35	4.9	84	2366	3.2	98	43	597	0.67	0.02		2.33	34.365	13.5	7.55	1.04		
DSW40"	3/16/95		3.2	98	42	588	0.08	1.1	86	2403	3.2	100	45	631	0.62	0.04		2.33	34.370	14.4	7.57	1.01		
DSW40"	3/23/95		3.2	98	42	581	0.38	5.3	85	2395	3.2	98	43	599	0.59	0.02		2.33	34.364	8.6	7.57	1.04		
DSW40"	3/28/95		3.1	97	41	581	0.26	3.6	88	2470	3.2	98	44	618	0.66	0.00		2.34	34.370	8.6	7.58	1.07		
DSW40"	4/6/95		3.1	96	42	591	0.38	5.3	89	2500	3.2	99	47	661	0.69	0.05		2.35	34.385	8.4	7.55	1.11		
DSW40"	4/13/95		3.0	94	42	582	0.33	4.6	86	2426	3.1	96	47	665	0.68	0.01		2.34	34.374	11.1	7.57	1.20		
DSW40"	4/20/95		3.1	97	42	591	0.19	2.7	87	2444	3.1	97	43	608	0.75	0.07		2.41	34.382	9.8	7.57	1.15		
DSW40"	4/27/95		3.0	94	41	573	0.20	2.8	78	2187	3.1	94	46	648	0.74	0.01		2.40	34.334	10.8	7.57	1.23		
DSW40"	5/4/95		3.1	94	42	594	0.18	2.5	87	2441	3.2	98	47	652	0.73	0.00		2.41	34.380	9.6	7.57	1.16		
DSW40"	5/12/95		3.2	98	42	585	0.26	3.6	87	2443	3.2	99	46	647	0.69	0.22		2.41	34.371	11.1	7.54	1.18		
DSW40"	5/16/95		3.1	96	42	588	0.26	3.6	86	2427	3.2	98	46	641	0.74	0.02		2.40	34.361	11.2	7.53	1.18		
DSW40"	5/25/95		3.2	98	42	592	0.24	3.4	86	2425	3.2	98	45	625	0.73	0.01		2.41	34.393	8.9	7.53	1.19		
DSW40"	6/1/95		3.2	98	42	588	0.21	2.9	84	2369	3.2	98	46	647	0.79	0.02		2.41	34.384	10.2	7.53	1.18		
DSW40"	6/8/95		3.2	98	42	588	0.20	2.8	84	2362	3.2	98	46	642	0.73	0.01		2.41	34.384	8.9	7.56	1.21		
DSW40"	6/15/95		3.1	97	42	586	0.25	3.5	83	2337	3.2	98	45	637	0.76	0.02		2.41	34.379	9.2	7.55	1.23		
DSW40"	6/22/95		3.1	97	42	591	0.35	4.9	88	2481	3.2	98	46	641	0.68	0.12		2.42	34.418	9.7	7.53	1.12		
DSW40"	6/30/95		3.1	95	42	585	0.47	6.6	83	2342	3.1	97	46	638	0.67	0.02		2.42	34.391	9.6	7.56	1.05		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/5/95		3.1	96	42	584	0.02	0.3	83	2326	3.2	100	44	617	0.62	0.08		2.42	34.379	9.9	7.57	1.13		
DSW40"	7/12/95		3.0	93	41	569	0.09	1.3	83	2325	3.1	96	44	618	0.58	0.10		2.41	34.363	11.2	7.56	1.14		
DSW40"	7/19/95		3.0	93	41	572	0.01	0.1	84	2366	3.1	95	44	617	0.64	0.15		2.41	34.376	8.4	7.58	1.13		
DSW40"	7/27/95		3.0	94	41	575	0.04	0.6	83	2327	3.1	95	45	628	0.63	0.00		2.43	34.371	8.5	7.56	1.10		
DSW40"	8/2/95		3.1	97	41	575	0.36	5.0	88	2458	3.1	97	45	626	0.55	0.17		2.44	34.402	8.2	7.58	1.08		
DSW40"	8/10/95		3.0	93	41	578	0.31	4.3	85	2397	3.0	94	45	635	0.55	0.07		2.44	34.395	8.3	7.57	1.03		
DSW40"	8/16/95		3.0	93	40	566	0.39	5.5	82	2316	3.1	95	41	581	0.56	0.02		2.45	34.371	7.6	7.56	1.05		
DSW40"	8/24/95		3.0	94	42	585	0.25	3.5	82	2306	3.0	93	45	635	0.56	0.00		2.44	34.387	7.4	7.58	0.99		
DSW40"	8/31/95		3.0	94	42	588	0.20	2.8	85	2380	3.0	94	45	637	0.64	0.17		2.44	34.399	8.2	7.58	1.03		
DSW40"	9/6/95		3.1	95	42	582	0.19	2.7	85	2380	3.1	95	44	618	0.61	0.38		2.44	34.384	8.4	7.57	1.04		
DSW40"	9/14/95		3.0	93	41	572	0.31	4.3	82	2305	3.1	94	45	627	0.58	0.18		2.45	34.377	8.4	7.61	0.98		
DSW40"	9/20/95		3.0	94	41	576	0.12	1.7	82	2303	3.1	95	45	634	0.75	0.13		2.44	34.372	8.0	7.67	0.98		
DSW40"	9/27/95		3.0	93	41	574	0.31	4.3	81	2277	3.1	95	45	624	0.70	1.58		2.44	34.369	8.1	7.58	1.00		
DSW40"	10/5/95		3.0	94	41	575	0.52	7.3	82	2314	3.1	95	45	623	0.65	0.33		2.45	34.392	8.8	7.63	0.96		
DSW40"	10/10/95		3.0	93	41	576	0.41	5.7	84	2359	3.1	95	45	632	0.61	0.15		2.46	34.398	8.4	7.66	0.95		
DSW40"	10/19/95		3.0	94	42	581	0.50	7.0	81	2267	3.1	95	43	602	0.78	0.19		2.42	34.381	8.0	7.60	0.92		
DSW40"	10/25/95		3.0	93	42	584	0.30	4.2	82	2293	3.1	94	45	625	0.69	0.43		2.42	34.394	9.4	7.63	0.92		
DSW40"	11/1/95		3.0	94	42	583	0.39	5.5	83	2340	3.1	96	31	438	0.56	0.30		2.42	34.393	10.2	7.61	0.93		
DSW40"	11/8/95		3.0	94	41	577	0.41	5.7	82	2304	3.1	95	44	621	0.64	0.32		2.41	34.394	9.4	7.72	0.92		
DSW40"	11/16/95		3.0	92	41	580	0.47	6.6	78	2193	3.1	96	45	632	0.66	0.36		2.41	34.410	10.8	7.58	0.98		
DSW40"	11/21/95		3.1	96	41	578	0.48	6.7	83	2342	3.1	97	43	598	0.72	0.32		2.41	34.390	10.2	7.59	0.96		
DSW40"	11/27/95		3.1	96	42	594	0.47	6.6	83	2327	3.1	97	44	620	0.67	0.26		2.43	34.404	11.2	7.58	0.95		
DSW40"	12/5/95		3.0	93	42	581	0.29	4.1	82	2289	3.0	94	42	593	0.64	0.06		2.45	34.384	8.4	7.56	1.01		
DSW40"	12/11/95		3.0	94	44	619	0.36	5.0	87	2430	3.1	95	43	606	0.61	0.03		2.46	34.401	8.3	7.56	0.97		
DSW40"	12/21/95		3.0	94	42	582	0.21	2.9	83	2317	3.1	96	45	625	0.51	0.49		2.45	34.397	8.3	7.49	1.00		
DSW40"	12/27/95		3.0	94	42	581	0.07	1.0	83	2339	3.1	97	44	616	0.64	0.00		2.43	34.397	8.3	7.57	1.03		
DSW40"	1/3/96		3.1	94	42	585	0.12	1.7	84	2366	3.1	96	44	615	0.50	0.04		2.41	34.398	8.2	7.67	0.99		
DSW40"	1/10/96		3.0	94	41	574	0.02	0.3	85	2377	3.1	95	41	569	0.91	0.14		2.40	34.388	8.0	7.58	0.88		
DSW40"	1/17/96		3.0	94	41	573	0.01	0.1	81	2274	3.1	97	43	604	0.71	0.38		2.36	34.364	8.3	7.57	0.93		
DSW40"	1/23/96		3.1	95	41	575	0.11	1.5	84	2349	3.1	96	45	634	0.74	0.35		2.39	34.407	8.1	7.58	0.99		
DSW40"	1/31/96		3.1	95	41	573	0.26	3.6	81	2270	3.1	97	39	547	0.63	0.17		2.37	34.368	8.3	7.59	0.97		
DSW40"	2/7/96		3.0	94	43	603	0.40	5.6	81	2268	3.1	97	44	611	0.86	0.85		2.39	34.364	8.9	7.56	0.96		
DSW40"	2/16/96		3.1	94	42	588	0.33	4.6	81	2287	3.1	96	45	634	1.06	1.20		2.38	34.374	8.7	7.55	1.06		
DSW40"	2/22/96		3.0	94	42	585	0.56	7.8	83	2342	3.1	96	48	668	0.99	1.28		2.40	34.411	8.4	7.54	0.88		
DSW40"	2/28/96		3.1	95	42	582	0.40	5.6	85	2383	3.1	97	44	611	0.72	0.85		2.40	34.408	8.7	7.57	0.89		
DSW40"	3/7/96		3.1	95	42	589	0.34	4.8	85	2400	3.2	98	41	578	0.70	0.42		2.38	34.421	8.5	7.57	1.02		
DSW40"	3/14/96		3.0	92	41	573	0.49	6.9	81	2281	3.1	95	43	606	0.70	0.82		2.37	34.388	9.0	7.59	0.98		
DSW40"	3/21/96		3.0	92	41	572	0.57	8.0	79	2232	3.1	94	33	455	0.64	0.00		2.39	34.383	8.8	7.59	0.95		
DSW40"	3/28/96		3.1	95	41	576	0.30	4.2	81	2275	3.1	96	43	600	0.60	1.10		2.38	34.372	9.0	7.56	0.96		
DSW40"	4/3/96		3.1	94	40	567	0.19	2.7	79	2229	3.1	96	45	628	0.64	1.08		2.37	34.376	8.8	7.55	0.96		
DSW40"	4/10/96		3.1	95	41	578	0.44	6.2	83	2333	3.2	99	45	633	0.59	0.92		2.36	34.396	9.1	7.58	10.74		
DSW40"	4/17/96		3.1	96	41	576	0.22	3.1	86	2416	3.2	99	44	613	0.65	0.98		2.35	34.380	8.7	7.66	9.08		
DSW40"	4/24/96		3.1	97	41	577	0.12	1.7	84	2369	3.2	99	45	636	0.66	1.55		2.41	34.398	8.9	7.54	9.16		
DSW40"	4/30/96		3.2	98	41	574	0.07	1.0	82	2296	3.3	101	46	645	0.79	0.20		2.42	34.410	9.1	7.54	9.45		
DSW40"	5/9/96		3.0	94	42	582	0.08	1.1	73	2055	3.1	97	36	503	0.53	0.95		2.42	34.404	8.9	7.54	9.32		
DSW40"	5/17/96		3.1	95	41	569	0.14	2.0	78	2200	3.2	99	33	461	0.49	1.18		2.43	34.373	10.9	7.56	9.26		
DSW40"	5/22/96		3.0	94	41	568	0.16	2.2	80	2234	3.1	96	45	626	0.62	1.15		2.43	34.403	8.6	7.59	9.68		
DSW40"	5/29/96		3.1	95	42	582	0.25	3.5	88	2461	3.2	98	45	626	0.60	1.53		2.43	34.409	8.6	7.55	10.06		
DSW40"	6/5/96		3.0	94	41	578	0.12	1.7	85	2395	3.2	98	44	622	0.65	1.00		2.43	34.386	9.8	7.55	10.45		
DSW40"	6/10/96		3.0	94	42	590	0.05	0.7	86	2429	3.1	96	44	619	0.60	0.80		2.42	34.395	9.2	7.60	10.68		
DSW40"	6/19/96		3.0	94	41	575	0.25	3.5	83	2321	3.1	96	44	621	0.57	0.70		2.42	34.378	8.7	7.56	1.24		
DSW40"	6/28/96		3.0	94	42	582	0.30	4.2	84	2352	3.2	98	45	634	0.59	1.13		2.42	34.391	8.8	7.54	1.14		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/5/96		3.1	96	42	586	0.35	4.9	81	2271	3.2	99	47	654	0.67	0.90		2.42	34.405	8.8	7.55	1.08		
DSW40"	7/10/96		3.1	97	41	579	0.24	3.4	85	2376	3.3	101	45	636	0.63	1.38		2.42	34.394	10.1	7.56	1.08		
DSW40"	7/18/96		3.0	92	42	588	0.25	3.5	86	2411	3.0	94	45	635	0.64	1.28		2.44	34.394	10.1	7.59	1.06		
DSW40"	7/25/96		3.0	94	43	596	0.11	1.5	88	2473	3.1	97	46	645	0.64	1.18		2.31	34.422	8.7	7.57	1.16		
DSW40"	8/2/96		3.1	94	42	591	0.36	5.0	88	2479	3.2	98	46	649	0.57	0.90		2.11	34.405	8.2	7.59	1.19		
DSW40"	8/8/96		3.1	94	43	606	0.72	10.1	88	2481	3.1	97	46	638	0.64	0.85		2.28	34.402	8.4	7.56	1.08		
DSW40"	8/14/96		3.0	93	42	594	0.63	8.8	88	2471	3.1	97	43	605	0.60	1.35		2.17	34.388	8.7	7.56	1.04		
DSW40"	8/19/96		3.1	95	42	591	0.40	5.6	81	2281	3.2	99	46	639	0.58	0.78		2.27	34.413	9.3	7.57	0.90		
DSW40"	8/29/96		3.1	95	43	597	0.36	5.0	85	2397	3.1	96	47	652	0.59	1.28		2.27	34.421	8.6	7.56	0.95		
DSW40"	9/5/96		3.1	96	42	593	0.80	11.2	85	2383	3.1	97	47	658	0.63	0.88		2.27	34.429	8.1	7.54	1.01		
DSW40"	9/12/96		3.1	95	42	586	0.09	1.3	84	2370	3.1	96	38	526	0.70	0.77		2.25	34.411	8.1	7.59	0.93		
DSW40"	9/17/96		3.0	94	42	589	0.02	0.3	86	2411	3.1	97	33	465	0.80	1.00		2.26	34.402	8.3	7.53	0.99		
DSW40"	9/25/96		3.0	94	42	591	0.31	4.3	83	2329	3.1	96	42	584	0.83	0.85		2.22	34.399	8.5	7.54	0.96		
DSW40"	9/30/96		3.1	97	42	583	0.15	2.1	84	2362	3.2	99	41	578	0.83	0.20		2.17	34.380	8.7	7.54	0.92		
DSW40"	10/10/96		3.0	94	42	589	0.47	6.6	85	2400	3.1	96	45	625	0.58	0.87		2.23	34.384	8.9	7.56	1.00		
DSW40"	10/14/96		3.1	96	44	617	0.47	6.6	82	2310	3.2	100	45	631	0.66	0.38		2.28	34.384	9.1	7.57	0.93		
DSW40"	10/24/96		3.0	94	42	588	0.40	5.6	83	2345	3.1	96	45	626	0.70	0.75		2.29	34.387	8.7	7.54	0.96		
DSW40"	10/31/96		3.1	97	42	592	0.23	3.2	84	2345	3.2	100	45	634	0.64	0.85		2.36	34.393	8.2	7.53	0.98		
DSW40"	11/8/96		3.0	94	42	589	0.39	5.5	86	2419	3.1	95	44	619	0.62	0.77		2.36	34.395	7.8	7.51	1.01		
DSW40"	11/13/96		3.1	95	41	578	0.29	4.1	86	2404	3.1	97	45	626	0.70	0.92		2.37	34.394	8.3	7.57	1.02		
DSW40"	11/20/96		3.0	93	41	568	0.35	4.9	82	2309	3.1	96	44	611	0.62	1.25		2.34	34.369	7.7	7.52	1.04		
DSW40"	11/27/96		3.0	94	41	570	0.36	5.0	82	2313	3.1	97	46	642	0.68	0.98		2.36	34.388	8.2	7.55	1.04		
DSW40"	12/4/96		3.1	96	42	585	0.37	5.2	89	2491	3.2	98	45	636	0.70	0.95		2.36	34.404	8.2	7.54	0.99		
DSW40"	12/11/96		3.1	96	41	581	0.54	7.6	81	2278	3.2	98	49	679	0.68	0.87		2.35	34.375	8.5	7.55	1.01		
DSW40"	12/18/96		3.1	94	41	570	0.25	3.5	84	2362	3.2	98	44	614	0.70	0.85		2.36	34.403	8.3	7.56	1.00		
DSW40"	12/23/96		3.0	94	40	566	0.33	4.6	82	2302	3.1	96	43	604	0.90	0.68		2.35	34.376	8.5	7.55	1.50		
DSW40"	1/2/97		3.1	95	42	582	0.25	3.5	84	2351	3.1	97	44	613	0.68	0.85		2.36	34.385	8.2	7.56	0.96		
DSW40"	1/9/97		3.0	94	41	572	0.22	3.1	83	2333	3.2	98	43	606	0.60	0.85		2.36	34.381	6.9	7.56	0.96		
DSW40"	1/16/97		3.3	103	41	578	0.05	0.7	88	2485	3.4	106	45	632	0.67	1.00		2.36	34.412	7.8	7.57	0.97		
DSW40"	1/21/97		3.0	94	41	572	0.01	0.1	84	2352	3.1	96	42	594	0.70	0.63		2.15	34.712	8.7	7.57	1.00		
DSW40"	1/28/97		3.0	93	41	570	0.01	0.1	86	2429	3.0	94	43	598	0.69	0.73		2.16	34.932	8.8	7.56	1.01		
DSW40"	2/7/97		3.0	94	42	591	0.01	0.1	83	2334	3.1	95	45	629	0.65	0.98		2.12	34.376	8.4	7.57	1.05		
DSW40"	2/12/97		3.0	94	42	590	0.11	1.5	91	2543	3.1	96	44	610	0.70	0.92		2.16	34.419	8.0	7.59	1.02		
DSW40"	2/19/97		3.1	95	42	583	0.07	1.0	85	2378	3.1	96	44	620	0.53	0.70		2.11	34.391	8.1	7.59	0.98		
DSW40"	2/25/97		3.0	92	42	589	0.09	1.3	87	2447	3.1	95	46	639	0.62	1.00		2.14	34.412	12.6	7.61	1.00		
DSW40"	3/4/97		3.0	91	42	591	0.05	0.7	86	2420	3.0	93	46	640	0.71	1.13		2.14	34.400	8.3	7.61	0.97		
DSW40"	3/12/97		3.0	92	41	579	0.22	3.1	90	2537	3.1	97	43	609	0.71	0.80		2.15	34.383	8.2	7.57	1.00		
DSW40"	3/20/97		3.1	95	41	575	0.11	1.5	88	2472	3.3	101	43	607	0.52	1.25		2.15	34.390	8.2	7.56	0.96		
DSW40"	3/25/97		3.1	94	42	584	0.06	0.8	85	2390	3.2	99	44	622	0.69	0.87		2.12	34.391	8.1	7.55	1.01		
DSW40"	3/31/97		3.1	95	41	575	0.10	1.4	80	2254	3.2	98	45	627	0.62	0.50		2.12	34.358	8.8	7.56	1.03		
DSW40"	4/7/97		3.0	92	41	570	0.36	5.0	83	2327	3.1	95	42	587	0.69	0.52		2.15	34.372	9.0	7.56	0.93		
DSW40"	4/14/97		3.0	92	42	584	0.19	2.7	82	2308	3.0	94	46	649	0.62	0.75		2.67	34.387	8.8	7.59	0.91		
DSW40"	4/24/97		3.1	96	41	580	0.39	5.5	84	2364	3.7	113	42	588	0.69	0.70		2.62	34.373	8.8	7.58	1.02		
DSW40"	5/2/97		3.0	93	42	582	0.34	4.8	79	2207	3.1	97	43	606	0.67	0.70		2.70	34.392	10.3	7.57	0.91		
DSW40"	5/8/97		3.3	103	41	580	0.25	3.5	81	2263	3.6	110	44	616	0.66	0.78		2.65	34.374	8.6	7.59	0.89		
DSW40"	5/13/97		3.2	99	41	573	0.30	4.2	80	2233	4.1	126	42	595	0.67	0.75		2.46	34.377	9.6	7.59	0.96		
DSW40"	5/19/97		3.2	100	41	578	0.33	4.6	84	2368	3.4	106	43	604	0.65	0.95		2.49	34.399	7.7	7.61	0.97		
DSW40"	5/29/97		3.0	93	41	572	0.22	3.1	86	2422	3.1	97	42	594	0.62	0.80		2.49	34.371	8.1	7.58	1.52		
DSW40"	6/3/97		3.0	93	41	573	0.31	4.3	88	2481	3.1	97	43	604	0.70	0.88		2.56	34.379	7.8	7.61	1.06		
DSW40"	6/10/97		3.0	91	41	576	0.31	4.3	89	2504	3.1	95	42	593	0.67	0.80		2.53	34.347	7.7	7.67	1.03		
DSW40"	6/18/97		3.0	93	42	582	0.41	5.7	89	2486	3.2	98	47	651	0.60	0.50		2.51	34.378	7.7	7.56	1.01		
DSW40"	6/23/97		3.1	94	41	577	0.12	1.7	88	2473	3.2	100	42	587	0.65	0.45		2.65	34.359	7.8	7.60	1.06		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/3/97		3.1	96	41	575	0.04	0.6	87	2443	3.3	101	43	595	0.66	0.83		2.63	34.362	8.5	7.62	0.99		
DSW40"	7/9/97		3.1	94	41	578	0.23	3.2	87	2431	3.1	97	43	604	0.63	0.68		2.64	34.401	8.8	7.63	0.97		
DSW40"	7/17/97		3.0	94	41	576	0.07	1.0	88	2473	3.2	98	42	588	0.71	0.58		2.55	34.384	9.1	7.61	0.99		
DSW40"	7/25/97		3.1	96	42	584	0.16	2.2	90	2536	3.3	102	45	634	0.58	0.55		2.66	34.416	7.9	7.68	1.00		
DSW40"	7/31/97		3.1	94	41	576	0.16	2.2	90	2540	3.2	98	43	597	0.69	0.65		2.60	34.399	9.3	7.68	1.00		
DSW40"	8/7/97		3.1	94	40	566	0.14	2.0	83	2331	3.2	98	42	585	0.66	0.75		2.53	34.329	11.9	7.70	1.10		
DSW40"	8/13/97		3.1	94	41	574	0.02	0.3	84	2356	3.2	99	43	608	0.64	0.98		2.49	34.406	11.0	7.71	1.01		
DSW40"	8/22/97		3.0	94	41	571	0.14	2.0	85	2375	3.1	97	43	597	0.62	1.83		2.48	34.382	8.6	7.68	1.00		
DSW40"	8/27/97		3.1	95	41	578	0.26	3.6	89	2491	3.2	100	42	589	0.63	0.63		2.49	34.395	10.7	7.68	1.00		
DSW40"	9/3/97		3.1	96	41	577	0.29	4.1	91	2569	3.3	102	42	589	0.65	1.28		2.49	34.384	10.2	7.71	0.97		
DSW40"	9/11/97		3.1	97	41	577	0.21	2.9	87	2453	3.2	98	43	597	0.69	0.78		2.49	34.397	8.4	7.73	0.97		
DSW40"	9/18/97		3.1	95	41	573	0.10	1.4	85	2391	3.3	101	42	582	0.60	0.58		2.49	34.372	8.7	7.73	0.98		
DSW40"	9/25/97		3.1	97	42	585	0.42	5.9	90	2534	3.3	103	43	596	0.63	0.58		2.49	34.400	11.1	7.73	1.02		
DSW40"	9/30/97		3.0	93	41	568	0.38	5.3	85	2376	3.2	98	42	583	0.62	0.75		2.53	34.357	8.1	7.74	0.98		
DSW40"	10/9/97		3.0	94	40	566	0.31	4.3	83	2345	3.1	97	42	585	0.66	0.25		2.53	34.339	8.2	7.72	1.08		
DSW40"	10/16/97		3.1	96	41	574	0.34	4.8	88	2481	3.2	100	42	590	0.59	0.58		2.54	34.393	7.7	7.74	0.98		
DSW40"	10/23/97		3.0	93	41	574	0.19	2.7	86	2413	3.3	101	46	641	0.62	0.70		2.53	34.380	7.3	7.77	1.13		
DSW40"	10/30/97		3.1	97	41	575	0.20	2.8	89	2500	3.3	102	48	671	0.63	0.35		2.54	34.394	7.4	7.74	1.09		
DSW40"	11/6/97		3.1	95	42	587	0.28	3.9	87	2439	3.2	98	46	646	0.63	0.78		2.53	34.392	7.2	7.73	1.12		
DSW40"	11/10/97		3.2	98	43	596	0.28	3.9	90	2537	3.3	102	46	646	0.64	0.60		2.54	34.420	6.9	7.74	1.15		
DSW40"	11/20/97		3.1	94	42	593	0.33	4.6	89	2509	3.2	100	46	641	0.66	0.20		2.52	34.415	6.6	7.71	1.10		
DSW40"	11/25/97		3.1	95	42	585	0.36	5.0	87	2438	3.1	97	46	644	0.68	0.05		2.52	34.378	7.1	7.70	1.07		
DSW40"	12/1/97		3.2	98	41	581	0.33	4.6	89	2513	3.3	102	45	634	0.66	0.13		2.52	34.394	9.4	7.70	1.09		
DSW40"	12/11/97		3.1	97	40	562	0.09	1.3	90	2535	3.2	99	43	600	0.64	0.65		2.52	34.392	8.4	7.71	1.04		
DSW40"	12/18/97		3.1	96	42	582	0.29	4.1	87	2449	3.3	101	43	602	0.62	0.35		2.51	34.370	8.1	7.70	1.07		
DSW40"	12/24/97		3.1	96	42	592	0.20	2.8	92	2589	3.2	100	43	605	0.64	0.70		2.52	34.415	8.4	7.72	1.10		
DSW40"	12/29/97		3.1	95	41	576	0.23	3.2	84	2354	3.2	98	42	593	0.67	0.23		2.51	34.346	8.5	7.72	1.11		
DSW40"	1/6/98		3.1	95	42	588	0.07	1.0	89	2503	3.2	100	42	594	0.62	0.47		2.52	34.397	8.1	7.70	1.04		
DSW40"	1/14/98		3.1	96	42	583	0.02	0.3	88	2474	3.3	101	43	596	0.63	0.73		2.51	34.388	7.1	7.72	1.02		
DSW40"	1/22/98		3.2	98	41	581	0.02	0.3	88	2463	3.3	103	43	596	0.64	0.50		2.52	34.387	7.9	7.71	1.05		
DSW40"	1/29/98		3.2	98	40	564	0.14	2.0	84	2354	3.3	101	42	590	0.63	0.20		2.28	34.361	8.0	7.72	1.14		
DSW40"	2/5/98		3.2	98	42	582	0.09	1.3	87	2433	3.2	100	42	587	0.61	0.20		2.28	34.381	7.9	7.74	1.07		
DSW40"	2/9/98		3.1	97	41	580	0.13	1.8	85	2401	3.2	100	44	619	0.64	0.05		2.28	34.371	7.7	7.74	1.09		
DSW40"	2/17/98		3.1	95	41	570	0.22	3.1	83	2343	3.2	100	44	620	0.62	0.43		2.28	34.359	8.2	7.75	1.20		
DSW40"	2/23/98		3.2	99	41	576	0.21	2.9	89	2512	3.3	103	44	621	0.57	0.20		2.28	34.388	8.2	7.75	1.21		
DSW40"	3/5/98		3.2	99	42	584	0.12	1.7	86	2401	3.3	102	45	633	0.62	0.10		2.28	34.377	8.3	7.54	1.14		
DSW40"	3/12/98		3.3	101	41	572	0.16	2.2	84	2365	3.4	106	44	623	0.60	0.22		2.27	34.383	8.4	7.53	1.18		
DSW40"	3/19/98		3.1	97	41	570	0.22	3.1	85	2398	3.2	100	44	622	0.55	0.15		2.26	34.377	8.6	7.51	1.16		
DSW40"	3/25/98		3.5	107	42	586	0.30	4.2	91	2561	3.6	112	44	622	0.55	0.15		2.27	34.408	8.5	7.53	1.21		
DSW40"	4/2/98		3.3	102	42	584	0.27	3.8	89	2490	3.4	106	44	617	0.57	0.55		2.34	34.386	9.2	7.53	1.13		
DSW40"	4/9/98		3.3	101	41	581	0.17	2.4	83	2340	3.4	104	44	611	0.57	0.50		2.34	34.365	8.1	7.56	1.07		
DSW40"	4/16/98		3.3	101	42	588	0.09	1.3	91	2563	3.4	106	44	621	0.63	0.23		2.34	34.418	7.2	7.55	1.09		
DSW40"	4/20/98		3.3	102	39	543	0.14	2.0	87	2444	3.4	104	43	608	0.63	0.22		2.33	34.371	7.9	7.54	1.10		
DSW40"	4/30/98		3.3	101	42	587	0.21	2.9	94	2648	3.5	107	44	612	0.56	0.70		2.34	34.373	7.1	7.55	1.12		
DSW40"	5/7/98		3.3	101	41	575	0.16	2.2	88	2476	3.4	106	43	605	0.56	0.27		2.34	34.377	7.1	7.53	1.07		
DSW40"	5/15/98		3.2	99	41	579	0.19	2.7	86	2407	3.4	104	42	594	0.55	0.63		2.33	34.345	8.3	7.55	1.11		
DSW40"	5/21/98		3.2	98	42	583	0.10	1.4	81	2269	3.4	104	44	611	0.60	0.28		2.33	34.370	7.7	7.55	1.11		
DSW40"	5/28/98		3.2	100	41	580	0.04	0.6	86	2426	3.3	102	44	620	0.59	0.20		2.34	34.371	8.0	7.56	1.12		
DSW40"	6/4/98		3.3	103	41	580	0.05	0.7	89	2512	3.4	106	46	642	0.70	0.15		2.34	34.395	8.1	7.55	1.11		
DSW40"	6/9/98		3.2	100	41	580	0.10	1.4	89	2498	3.3	103	44	619	0.57	0.50		2.34	34.387	8.6	7.55	1.13		
DSW40"	6/17/98		3.3	101	42	584	0.06	0.8	89	2494	3.4	106	45	629	0.61	0.48		2.34	34.400	7.8	7.54	1.15		
DSW40"	6/23/98		3.2	100	42	585	0.20	2.8	89	2496	3.4	104	44	614	0.61	0.25		2.34	34.384	8.2	7.53	1.13		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/1/98		3.3	101	42	587	0.02	0.3	90	2516	3.4	106	44	617	0.57	0.07		2.42	34.392	8.1	7.54	1.11		
DSW40"	7/9/98		3.2	98	41	580	0.05	0.7	87	2435	3.4	106	44	617	0.57	0.52		2.99	34.372	8.0	7.52	1.06		
DSW40"	7/16/98		3.3	101	42	583	0.21	2.9	88	2457	3.4	104	45	625	0.62	0.17		2.38	34.381	8.1	7.54	1.07		
DSW40"	7/23/98		3.2	99	41	576	0.25	3.5	85	2382	3.3	103	44	621	0.62	0.80		2.40	34.344	8.2	7.54	1.14		
DSW40"	7/29/98		3.3	102	41	570	0.16	2.2	86	2404	3.5	107	45	632	0.70	0.22		2.35	34.363	8.2	7.53	1.12		
DSW40"	8/4/98		3.3	102	42	585	0.04	0.6	93	2598	3.4	106	45	634	0.69	0.65		2.38	34.386	7.3	7.53	1.13		
DSW40"	8/13/98		3.2	98	41	569	0.06	0.8	85	2376	3.3	103	45	625	0.69	0.37		2.38	34.338	7.7	7.52	1.13		
DSW40"	8/19/98		3.1	97	42	581	0.07	1.0	86	2410	3.3	102	45	626	0.69	1.02		2.36	34.351	10.1	7.51	1.17		
DSW40"	8/26/98		3.2	100	41	577	0.07	1.0	86	2427	3.4	105	45	631	0.67	0.45		2.34	34.354	8.2	7.52	1.05		
DSW40"	9/3/98		3.3	103	41	571	0.04	0.6	85	2379	3.5	108	45	626	0.69	0.35		2.34	34.357	8.7	7.52	1.05		
DSW40"	9/10/98		3.2	100	41	578	0.04	0.6	83	2320	3.4	106	46	650	0.77	0.38		2.36	34.339	9.2	7.51	1.01		
DSW40"	9/17/98		3.2	100	41	567	0.07	1.0	86	2404	3.5	108	46	645	0.82	1.53		2.37	34.364	10.8	7.50	1.01		
DSW40"	9/21/98		3.3	102	41	571	0.04	0.6	86	2404	3.5	108	46	637	0.71	1.07		2.39	34.378	9.3	7.53	1.04		
DSW40"	10/1/98		3.2	100	41	581	0.03	0.4	84	2370	3.5	107	46	643	0.65	0.78		2.39	34.370	9.6	7.53	1.22		
DSW40"	10/8/98		3.2	98	41	574	0.08	1.1	89	2497	3.4	104	45	628	0.66	0.02		2.37	34.342	9.0	7.52	1.14		
DSW40"	10/14/98		3.2	98	41	580	0.13	1.8	90	2519	3.4	104	45	634	0.68	0.13		2.36	34.373	9.5	7.52	1.18		
DSW40"	10/21/98		3.2	100	41	567	0.11	1.5	82	2309	3.5	107	45	633	0.69	0.85		2.35	34.355	9.7	7.54	1.15		
DSW40"	10/27/98		3.2	99	41	571	0.06	0.8	87	2438	3.4	104	46	639	0.67	1.20		2.36	34.395	9.1	7.56	1.22		
DSW40"	11/6/98		3.1	97	41	569	0.07	1.0	87	2429	3.3	103	43	606	0.70	0.88		2.29	34.399	9.7	7.54	1.04		
DSW40"	11/9/98		3.2	98	42	591	0.01	0.1	86	2413	3.4	106	43	596	0.81	1.28		2.34	34.401	9.3	7.56	1.17		
DSW40"	11/18/98		3.2	98	42	584	0.08	1.1	87	2434	3.4	104	43	600	0.72	1.25		2.33	34.395	9.6	7.55	1.16		
DSW40"	11/23/98		3.2	99	41	578	0.01	0.1	86	2418	3.3	103	44	610	0.71	1.58		2.27	34.375	9.3	7.55	1.13		
DSW40"	11/30/98		3.2	99	41	580	0.05	0.7	86	2425	3.4	105	43	601	0.72	0.65		2.31	34.381	7.5	7.55	1.15		
DSW40"	12/8/98		3.2	98	41	578	0.01	0.1	85	2400	3.3	103	43	605	0.75	0.80		2.21	34.385	8.2	7.56	1.08		
DSW40"	12/17/98		3.2	98	41	568	0.01	0.1	84	2349	3.3	101	43	598	0.74	0.65		2.20	34.363	10.0	7.54	1.15		
DSW40"	12/21/98		3.1	97	41	573	0.04	0.6	83	2325	3.3	102	44	615	0.83	1.15		2.22	34.361	10.0	7.55	1.21		
DSW40"	12/29/98		3.1	95	41	578	0.11	1.5	91	2563	3.2	99	43	602	0.69	0.65		2.23	34.404	9.4	7.54	1.14		
DSW40"	1/5/99		3.1	96	42	591	0.12	1.7	87	2446	3.3	101	43	608	0.72	0.80		2.24	34.403	9.0	7.54	1.08		
DSW40"	1/14/99		3.0	93	41	581	0.01	0.1	86	2406	3.2	98	44	610	0.74	0.90		2.21	34.369	8.7	7.53	1.19		
DSW40"	1/21/99		3.0	94	42	582	0.03	0.4	86	2428	3.2	98	44	615	0.75	0.85		2.23	34.382	8.4	7.53	1.15		
DSW40"	1/26/99		3.1	94	42	591	0.07	1.0	87	2435	3.2	100	43	605	0.68	0.90		2.24	34.380	7.9	7.55	1.07		
DSW40"	2/4/99		3.1	95	41	573	0.11	1.5	88	2457	3.3	102	44	613	0.73	0.73		2.22	34.385	7.8	7.53	1.16		
DSW40"	2/11/99		3.2	98	42	584	0.10	1.4	91	2551	3.2	99	44	615	0.68	1.15		2.24	34.418	7.6	7.55	1.26		
DSW40"	2/18/99		3.0	94	41	581	0.01	0.1	84	2371	3.2	99	43	600	0.70	0.58		2.20	34.343	8.7	7.55	1.35		
DSW40"	2/23/99		3.1	96	42	587	0.01	0.1	90	2532	3.3	101	44	611	0.69	0.88		2.21	34.415	8.1	7.54	1.19		
DSW40"	3/3/99		3.0	93	42	585	0.09	1.3	85	2388	3.0	94	43	602	0.64	1.05		2.19	34.348	8.2	7.52	1.26		
DSW40"	3/9/99		3.1	96	41	573	0.03	0.4	89	2503	3.3	101	42	591	0.64	0.87		2.21	34.395	8.6	7.55	1.08		
DSW40"	3/18/99		3.0	94	40	566	0.03	0.4	84	2350	3.2	99	43	604	0.65	0.95		2.18	34.327	7.6	7.55	1.12		
DSW40"	3/24/99		3.1	95	41	578	0.16	2.2	86	2424	3.2	100	44	610	0.66	0.75		2.18	34.363	7.3	7.55	1.53		
DSW40"	3/30/99		3.1	97	41	567	0.04	0.6	84	2361	3.2	98	43	603	0.66	0.92		2.18	34.338	8.5	7.54	1.15		
DSW40"	4/7/99		3.0	93	40	554	0.03	0.4	89	2491	3.1	97	44	609	0.64	0.87		2.18	34.364	9.0	7.52	1.08		
DSW40"	4/14/99		3.0	93	40	566	0.03	0.4	89	2506	3.1	97	43	599	0.67	0.70		2.22	34.342	8.4	7.51	1.12		
DSW40"	4/21/99		3.1	96	41	578	0.08	1.1	89	2509	3.3	101	44	613	0.63	0.60		2.20	34.384	10.5	7.54	1.09		
DSW40"	4/29/99		3.1	95	41	572	0.02	0.3	88	2459	3.2	100	43	599	0.65	0.73		2.17	34.366	7.7	7.54	1.14		
DSW40"	5/5/99		3.0	93	41	579	0.35	4.9	89	2500	3.4	104	44	612	0.65	0.75		2.19	34.396	8.9	7.52	1.17		
DSW40"	5/12/99		3.0	94	40	560	0.04	0.6	88	2470	3.2	99	43	597	0.66	0.67		2.17	34.393	8.8	7.51	1.15		
DSW40"	5/20/99		3.1	94	41	575	0.03	0.4	85	2385	3.2	99	44	611	0.67	0.85		2.21	34.384	9.5	7.52	1.00		
DSW40"	5/24/99		3.0	94	42	582	0.01	0.1	85	2386	3.2	100	44	620	0.72	0.77		2.24	34.408	9.5	7.53	0.99		
DSW40"	6/3/99		3.1	96	41	577	0.11	1.5	86	2401	3.3	102	45	626	0.66	0.50		2.22	34.383	9.0	7.51	1.05		
DSW40"	6/9/99		3.1	97	41	576	0.17	2.4	84	2359	3.4	104	43	608	0.64	0.55		2.19	34.378	9.4	7.55	1.07		
DSW40"	6/16/99		3.1	97	40	566	0.05	0.7	85	2376	3.3	102	46	639	0.69	1.03		2.26	34.405	8.8	7.53	1.09		
DSW40"	6/24/99		3.1	96	40	567	0.03	0.4	83	2342	3.3	102	44	617	0.69	0.55		2.18	34.399	7.7	7.53	1.01		
DSW40"	6/29/99		3.1	95	41	577	0.02	0.3	83	2317	3.2	99	44	617	0.69	0.98		2.18	34.398	8.4	7.52	0.92		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/8/99		3.1	97	41	576	0.03	0.4	88	2468	3.2	99	44	621	0.67	0.80		2.25	34.414	8.3	7.52	0.93		
DSW40"	7/12/99		3.0	93	41	573	0.07	1.0	81	2288	3.2	98	44	610	0.66	0.78		2.43	34.400	7.4	7.51	0.97		
DSW40"	7/20/99		3.1	95	41	573	0.14	2.0	85	2387	3.2	98	44	611	0.69	0.90		2.46	34.395	10.8	7.52	1.04		
DSW40"	7/27/99		3.1	95	41	571	0.27	3.8	80	2260	3.3	101	42	595	0.65	0.35		2.38	34.385	10.0	7.56	1.07		
DSW40"	8/5/99		3.1	97	43	599	0.24	3.4	81	2269	3.4	105	42	595	0.66	0.43		2.40	34.394	7.8	7.56	1.05		
DSW40"	8/11/99		3.0	94	42	585	0.13	1.8	83	2318	3.2	99	42	590	0.63	0.82		2.23	34.408	8.4	7.74	1.05		
DSW40"	8/18/99		3.1	94	41	567	0.15	2.1	80	2239	3.2	100	42	592	0.63	0.90		2.40	34.404	8.1	7.62	1.10		
DSW40"	8/24/99		3.1	94	42	587	0.02	0.3	83	2342	3.2	98	42	593	0.62	0.20		2.43	34.427	8.6	7.55	1.06		
DSW40"	8/31/99		3.0	93	41	573	0.04	0.6	82	2311	3.1	97	44	612	0.61	1.03		2.33	34.420	10.9	7.63	1.06		
DSW40"	9/8/99		3.1	95	42	587	0.02	0.3	83	2320	3.3	103	43	603	0.61	0.90		2.41	34.404	8.3	7.59	1.06		
DSW40"	9/15/99		3.1	96	40	566	0.04	0.6	80	2236	3.3	102	42	592	0.59	0.52		2.38	34.401	8.1	7.59	1.06		
DSW40"	9/20/99		3.0	94	42	589	0.03	0.4	82	2299	3.3	101	44	613	0.63	1.25		2.24	34.412	10.3	7.61	1.09		
DSW40"	9/30/99		3.0	92	40	563	0.09	1.3	82	2297	3.2	98	45	632	0.61	0.82		2.37	34.382	10.3	7.61	1.06		
DSW40"	10/12/99		2.9	90	41	574	0.17	2.4	79	2231	3.1	95	42	590	0.62	1.05		2.25	34.424	8.1	7.56	1.15		
DSW40"	11/3/99		3.0	93	41	578	0.10	1.4	89	2494	3.2	98	43	603	0.60	0.48		2.26	34.403	8.4	7.58	1.11		
DSW40"	12/15/99		3.0	92	40	557	0.04	0.6	81	2264	3.2	98	41	575	0.68	5.50		2.24	34.358	9.2	7.54	1.15		
DSW40"	1/10/00		3.1	94	43	595	0.15	2.1	89	2486	3.1	95	43	602	0.61	0.63		2.31	34.457	8.8	7.55	1.56		
DSW40"	2/7/00		3.1	96	41	578	0.25	3.5	80	2259	3.3	101	42	588	0.68	0.98		2.31	34.331	8.6	7.57	1.25		
DSW40"	3/1/00		3.2	98	42	587	0.16	2.2	88	2480	3.3	102	42	595	0.63	0.88		2.35	34.403	8.0	7.57	1.20		
DSW40"	4/10/00		3.1	95	41	576	0.06	0.8	86	2425	3.1	95	44	613	0.71	0.80		2.34	34.393	10.3	7.57	1.21		
DSW40"	5/15/00		3.0	94	41	571	0.04	0.6	84	2345	3.2	98	44	614	0.64	1.00		2.28	34.367	7.6	7.59	1.12		
DSW40"	6/6/00		3.1	94	42	585	0.04	0.6	83	2334	3.1	97	44	614	0.68	1.05		2.32	34.334	7.5	7.54	1.00		
DSW40"	7/26/00		3.1	96	42	581	0.03	0.4	91	2545	3.2	100	43	598	0.66	1.20		2.39	34.399	7.7	7.57	1.04		
DSW40"	8/30/00		3.0	94	42	584	0.03	0.4	83	2320	3.2	98	43	595	0.64	0.98		2.32	34.364	8.0	7.54	1.03		
DSW40"	9/6/00		3.1	95	42	585	0.02	0.3	89	2508	3.2	98	43	596	0.64	0.17		2.55	34.411	6.9	7.53	1.03		
DSW40"	10/20/00		3.1	95	42	592	0.06	0.8	82	2295	3.1	97	45	625	0.66	1.03		2.57	34.393	8.9	7.59	1.00		
DSW40"	11/14/00		3.1	96	43	599	0.14	2.0	85	2390	3.3	101	44	622	0.73	0.77		2.22	34.402	10.9	7.55	0.98		
DSW40"	12/20/00		3.1	96	43	605	0.30	4.2	89	2488	3.2	100	45	630	0.78	0.48		2.48	34.409	7.6	7.55	0.96		
DSW40"	1/23/01		2.9	91	40	562	0.02	0.3	84	2364	3.2	98	43	609	0.70	0.85		2.36	34.359	7.6	7.53	0.91		
DSW40"	2/5/01		3.1	94	43	601	0.07	1.0	85	2390	3.2	99	44	612	0.70	0.90		2.39	34.393	6.9	7.53	0.90		
DSW40"	3/5/01		3.0	93	43	600	0.03	0.4	86	2421	3.2	99	43	603	0.70	0.40		2.42	34.365	7.6	7.50	0.86		
DSW40"	4/16/01		3.1	94	42	591	0.01	0.1	85	2379	3.2	98	42	586	0.60	0.55		2.37	34.368	7.8	7.53	0.98		
DSW40"	5/9/01		3.1	95	41	577	0.29	4.1	81	2275	3.2	99	43	599	0.73	1.13		2.26	34.371	7.7	7.51	0.96		
DSW40"	6/8/01		3.0	94	41	577	0.04	0.6	84	2345	3.1	95	45	625	0.66	0.85		2.26	34.371	7.4	nd	0.95		
DSW40"	7/24/01		3.1	95	41	571	0.02	0.3	80	2258	3.2	100	44	620	0.59	1.03		2.30	34.405	8.9	7.51	0.08		
DSW40"	8/22/01		3.1	97	40	566	0.03	0.4	77	2149	3.3	101	44	614	0.61	0.73		2.35	34.388	8.3	7.49	0.91		
DSW40"	9/18/01		3.1	97	41	578	0.09	1.3	81	2272	3.3	102	45	631	0.61	0.45		2.34	34.403	8.6	7.53	0.87		
DSW40"	10/9/01		3.1	97	41	578	0.09	1.3	81	2272	3.3	102	45	636	0.63	0.88		2.33	34.409	10.1	7.52	0.96		
DSW40"	11/6/01		3.3	102	42	594	0.02	0.3	81	2262	3.4	106	44	612	0.63	1.30		2.32	34.420	7.1	7.53	0.99		
DSW40"	12/18/01		3.0	93	40	562	0.20	2.8	82	2300	3.0	94	42	595	0.61	1.05		2.31	34.391	7.3	7.52	0.99		
DSW40"	1/8/02		3.2	98	42	595	0.26	3.6	84	2370	3.3	102	42	594	0.86	0.53		2.31	34.402	7.0	7.55	0.90		
DSW40"	2/27/02		3.1	97	41	576	0.08	1.1	82	2299	3.3	102	42	593	0.68	0.35		2.34	34.387	8.6	7.54	1.07		
DSW40"	3/19/02		3.1	97	42	585	0.11	1.5	82	2307	3.2	100	42	594	0.70	0.75		2.39	34.378	7.7	7.55	1.04		
DSW40"	4/9/02		3.2	98	43	603	0.04	0.6	92	2591	3.3	103	42	584	0.57	0.45		2.39	34.418	7.2	7.52	0.93		
DSW40"	5/21/02		3.2	98	42	590	0.10	1.4	84	2368	3.3	103	42	585	0.58	0.63		2.37	34.417	7.6	7.54	1.11		
DSW40"	6/18/02		3.0	94	41	571	0.05	0.7	81	2283	3.2	99	43	596	0.53	0.90		2.38	34.375	7.1	7.55	1.28		
DSW40"	7/17/02		3.1	95	41	580	0.01	0.1	86	2410	3.2	100	45	628	0.60	0.90		2.38	34.395	7.1	7.56	1.19		
DSW40"	8/22/02		3.1	95	41	575	0.08	1.1	84	2367	3.2	99	41	568	0.58	0.77		2.41	34.356	9.0	7.54	1.23		
DSW40"	9/24/02		3.1	96	42	591	0.17	2.4	88	2459	3.2	100	41	572	0.54	0.55		2.39	34.376	6.9	7.57	3.23		
DSW40"	10/16/02		3.1	97	39	546	0.25	3.5	86	2408	3.3	102	42	586	0.62	0.75		2.40	34.378	9.8	7.56	0.71		
DSW40"	11/6/02		3.1	94	42	581	0.14	2.0	82	2314	3.2	100	40	558	0.60	0.85		2.38	34.360	8.5	7.55	0.89		
DSW40"	12/19/02		3.1	96	42	585	0.07	1.0	84	2363	3.2	98	41	568	0.60	0.77		2.37	34.395	8.6	7.55	0.66		
DSW40"	1/29/03		3.1	96	43	599	0.08	1.1	108	3028	3.3	102	39	546	0.52	0.65		2.39	34.424	7.5	7.56	1.10		
DSW40"	2/10/03		3.1	94	41	577	0.02	0.3	87	2443	3.2	98	45	625	0.55	0.70		2.38	34.426	7.6	7.56	1.12		
DSW40"	3/18/03		3.1	95	42	588	0.03	0.4	85	2400	3.2	100	59	825	0.51	0.75		2.13	34.429	9.3	7.56	1.13		
DSW40"	4/29/03		3.2	98	42	587	0.08	1.1	111	3123	3.3	102	48	670	0.52	0.65		2.28	34.413	7.6	7.58	1.12		
DSW40"	5/13/03		3.1	96	42	593	0.03	0.4	90	2523	3.2	99	47	663	0.52	0.55		2.31	34.432	7.8	7.58	1.12		
DSW40"	6/5/03		3.1	94	38	536	0.04	0.6	84	2345	3.2	100	45	636	0.51	0.73		2.24	34.404	8.6	7.61	1.08		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		NO_3^- & NO_2^-		NH_4^+ & NH_3		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/31/03		3.1	96	42	592	0.05	0.7	87	2452	3.3	101	49	684		0.85		2.27	34.371	10.0	7.55	1.19		
DSW40"	8/27/03		3.1	94	39	548	0.07	1.0	80	2259	3.2	100	50	698		0.68		2.27	34.395	9.0	7.59	0.95		
DSW40"	9/17/03		3.1	97	40	563	0.09	1.3	81	2265	3.3	103	44	615		3.18		2.33	34.390	8.8	7.53	0.84		
DSW40"	10/7/03		3.1	95	41	573	0.25	3.5	82	2309	3.3	101	51	707		1.18		2.33	34.400	7.7	7.54	NO DATA		
DSW40"	11/4/03		3.1	94	38	530	0.05	0.7	94	2644	3.2	99	44	612		0.75		2.31	34.414	8.1	7.56	NO DATA		
DSW40"	11/14/03											0		0						7.5		1.00		
DSW40"	12/16/03		3.0	93	41	573	0.50	7.0	81	2262	3.3	103	45	626		1.25		2.04	34.411	7.7	7.53	1.72		
DSW40"	1/27/04		3.0	94	41	574	0.30	4.2	79	2211	3.3	102	45	630		0.75		2.14	34.394	9.6	7.53	1.24		
DSW40"	2/10/04		3.0	93	41	569	0.07	1.0	80	2250	3.3	102	44	611		1.08		2.20	34.395	8.9	7.53	1.24		
DSW40"	3/15/04		3.2	99	40	561	0.12	1.7	83	2337	3.4	104	46	646		0.38		2.25	34.448	9.9	7.54	0.87		
DSW40"	4/21/04		3.1	96	42	586	0.30	4.2	86	2405	3.2	99	44	621		1.05		2.34	34.402	8.7	7.54	1.28		
DSW40"	5/12/04		3.1	95	40	563	0.20	2.8	83	2333	3.3	103	44	622		0.65		2.34	33.540	10.0	7.56	1.39		
DSW40"	6/7/04		3.0	93	40	561	0.15	2.1	78	2180	3.2	99	45	628		0.80		2.32	33.390	8.7	7.53	1.71		
DSW40"	7/8/04		3.0	92	40	567	0.19	2.7	85	2385	3.2	98	44	612	0.55	2.60		2.40	33.340	10.7	7.55	1.44		
DSW40"	8/24/04		3.0	92	40	563	0.27	3.8	75	2110	3.1	96	43	607		0.92		2.39	33.320	9.1	7.55	1.35		
DSW40"	9/2/04		3.1	94	41	573	0.10	1.4	90	2526	3.2	98	45	629		0.35		2.37	33.400	7.7	7.55	1.69		
DSW40"	10/1/04		3.0	92	40	559	0.11	1.5	89	2508	3.2	99	48	666		0.93		2.37	33.390	8.8	7.59	1.26		
DSW40"	11/8/04		3.0	93	41	570	0.14	2.0	89	2499	3.2	99	48	671		0.55		2.37	33.290	8.1	7.55	1.61		
DSW40"	12/7/04		3.0	94	42	582	0.21	2.9	93	2610	3.2	98	49	682		0.98		2.37	33.330	8.3	7.58	1.59		
DSW40"	1/11/05		3.1	94	42	591	0.04	0.6	95	2676	3.4	104	45	627		0.60		2.40	34.431	8.1	7.63	1.61		
DSW40"	2/8/05		3.1	95	43	596	0.04	0.6	90	2523	3.3	103	49	686		1.25		2.41	34.396	7.9	7.62	1.69		
DSW40"	3/23/05		3.0	91	41	568	0.20	2.8	90	2538	3.2	98	45	627	0.85	0.90		2.40	34.335	9.9	7.61	1.54	2	109
DSW40"	3/23/05		3.0	93	40	566	0.18	2.5	92	2577	3.2	99	44.3	620	0.76	0.73		2.40	34.337	5.8	7.61	1.25	1	2036
DSW40"	4/21/05		3.0	94	40	560	0.21	2.9	90	2538	3.2	98	40.8	572		0.65		2.34	34.385	5.9	7.61	1.24	1	667
DSW40"	4/21/05		3.0	94	41	571	0.21	2.9	90	2532	3.2	98	42	582		0.80		2.36	34.362	9.1	7.61	1.66	1	61
DSW40"	5/26/05	925	3.0	92	40	560	0.20	2.8	82	2300	3.2	98	42.1	590		2.13		2.36	34.335	6.2	7.57	1.25	<1	253
DSW40"	5/26/05	905	2.9	91	39	542	0.21	2.9	81	2275	3.1	96	41	577		1.25		2.36	34.320	12.1	7.57	1.56	1	58
DSW40"	6/16/05	917	3.0	94	40	562	0.43	6.0	92	2575	3.2	98	43.0	603		1.38		2.37	34.416	5.7	7.58	1.26	1	136
DSW40"	6/16/05	840	2.9	91	40	554	0.43	6.0	83	2331	3.0	94	43	598		0.98		2.35	34.346	10.5	7.58	1.54	1	136
DSW40"	7/27/05	825	3.0	94	39	551	0.06	0.8	87	2450	3.2	99	42	595	0.66	1.18		2.38	34.385	12.1	7.60	1.48	<1	25
DSW40"	7/27/05	909	3.0	94	40	558	0.04	0.6	89	2506	3.3	101	41.7	584	0.67	0.18		2.37	34.386	5.9	7.60	no data	<1	58
DSW40"	8/11/05	740	3.0	94	41	568	0.26	3.6	89	2502	3.2	99	44	613	0.71	1.50		2.40	34.411	11.9	7.62	1.46	2	214
DSW40"	8/11/05	825	3.0	93	39	549	0.25	3.5	88	2468	3.2	98	42.3	592	0.54	1.75		2.40	34.418	5.9	7.62	1.26	<1	36
DSW40"	9/14/05	808	3.1	95	41	577	0.33	4.6	90	2521	3.4	104	42	587	1.05	1.73		2.36	34.409	10.0	7.60	1.61	<1	58
DSW40"	9/14/05	855	3.1	95	40	566	0.28	3.9	90	2521	3.3	101	43.9	615	0.59	1.33		2.36	34.430	5.9	7.60	1.21	1	1
DSW40"	10/10/05	912	3.0	94	42	587	0.26	3.6	86	2409	3.2	99	44	623	0.61	0.80		2.38	34.361	8.5	7.61	1.41	<1	67
DSW40"	10/10/05	942	3.1	95	42	588	0.25	3.5	86	2419	3.2	99	43.4	608	0.76	1.78		2.40	34.739	6.3	7.61	1.14	<1	39
DSW40"	11/2/05	802	3.0	94	42	590	0.27	3.8	87	2445	3.2	100	45	632	0.75	1.33		2.60	34.396	8.4	7.61	1.53	77	558
DSW40"	11/2/05	834	3.1	94	41	581	0.24	3.4	92	2577	3.3	102	44.1	618	0.85	3.00		3.00	34.397	6.3	7.60	1.23	30	119
DSW40"	12/20/05	809	3.0	94	41	576	0.38	5.3	87	2431	3.2	98	43	601	0.79	1.13		2.67	34.371	7.4	7.62	1.57	163	1178
DSW40"	12/20/05	839	3.0	94	41	577	0.38	5.3	88	2460	3.2	99	43.3	606	0.71	1.45		2.64	34.375	6.2	7.63	1.38	101	1119
DSW40"	1/26/06	854	3.0	93	41	568	0.25	3.5	88	2481	3.1	96	42.4	594		1.40		2.31	34.365	6.4	7.58	1.12	1	131
DSW40"	1/26/06	937	3.0	93	41	579	0.23	3.2	89	2494	3.2	98	44	623		1.20		2.27	34.378	9.1	7.59	1.35	20	75
DSW40"	2/28/06	915	3.1	96	41	571	0.30	4.2	86	2406	3.4	106	43.4	608		0.63		2.27	34.355	6.5	7.60	1.00	6	328
DSW40"	2/28/06	820	3.1	94	40	566	0.28	3.9	98	2744	3.5	107	44	622		0.88		2.28	34.348	9.8	7.60	1.05	3	267
DSW40"	3/23/06	900	3.0	93	40	558	0.38	5.3	92	2597	3.2	100	41.3	578		2.60		2.23	34.345	6.2	7.58	1.15	7	281
DSW40"	3/23/06	820	3.0	92	40	556	0.41	5.7	88	2457	3.2	98	42	590		0.82		2.25	34.318	8.6	7.59	1.11	3	42
DSW40"	4/18/06	954	3.1	95	43	599	0.17	2.4	85	2373	3.3	103	41.3	578	0.72	1.50		2.35	34.387	6.8	7.59	1.13	2	78
DSW40"	4/18/06	857	3.0	94	40	562	0.17	2.4	81	2275	3.2	98	40	563	0.63	1.43		2.41	34.373	9.5	7.59	1.07	2	64
DSW40"	5/18/06	950	3.1	95	41	570	0.05	0.7	88	2463	3.3	101	39.0	546	0.55	1.25		2.36	34.331	6.6	7.56	1.02	3	122
DSW40"	5/18/06	905	3.0	94	40	562	0.05	0.7	85	2373	3.3	102	41	571	0.56	1.33		2.36	34.355	8.9	7.58	1.39	6	97
DSW40"	6/29/06	1005	3.0	93	41	574	0.21	2.9	83	2342	3.1	97	45.4	636	0.72	1.48		2.32	34.388	6.6	7.58	0.97	7	125
DSW40"	6/29/06	1045	2.9	91	41	567	0.23	3.2	82	2309	3.2	99	45	632	0.60	2.10		2.28	34.390	10.0	7.60	1.31	7	294

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/25/06	850	2.9	89	41	570	0.27	3.8	82	2300	3.1	96	39	546	0.56	1.20		2.33	34.383	14.3	7.58	1.21	3	75
DSW40"	7/25/06	945	2.9	89	41	580	0.24	3.4	84	2348	3.1	94	38.5	539	0.61	1.05		2.32	34.400	6.6	7.57	1.23	1	67
DSW40"	8/10/06	925	2.9	89	39	545	0.17	2.4	84	2356	3.1	97	39	542	0.54	0.95		2.31	34.396	12.6	7.58	1.41	3	633
DSW40"	8/10/06	1008	2.9	90	40	564	0.22	3.1	84	2348	3.2	98	38.4	537	0.56	0.73		2.33	34.474	6.6	7.58	1.22	3	8
DSW40"	9/21/06	900	2.9	91	42	592	0.09	1.3	87	2455	3.1	96	39	547	0.52	0.93		2.33	34.415	7.7	7.59	3.32	27	39
DSW40"	9/21/06	1015	3.0	92	41	576	0.10	1.4	88	2463	3.2	98	38.6	541	0.56	1.00		2.34	34.446	6.8	7.57	1.32	16	56
DSW40"	10/26/06	850	3.0	92	44	611	0.20	2.8	86	2410	3.1	97	40	561	0.61	1.20		2.53	34.392	8.4	7.60	1.58	44	1491
DSW40"	10/26/06	950	3.0	92	44	611	0.38	5.3	85	2390	3.1	97	41.9	586	0.63	1.10		2.82	34.388	6.5	7.59	1.11	59	25300
DSW40"	11/30/06	925	2.9	90	41	578	0.20	2.8	85	2387	3.1	97	41	569	0.64	1.48		2.74	34.379	7.8	7.58	1.65	3	114
DSW40"	11/30/06	1020	3.0	92	42	581	0.21	2.9	84	2368	3.2	98	39.9	559	0.61	1.23		2.56	34.367	6.8	7.57	1.07	4	611
DSW40"	12/14/06	935	2.9	90	39	539	0.19	2.7	79	2210	3.1	96	39	542	0.53	1.48		2.71	34.357	9.7	7.59	1.70	243	458
DSW40"	12/14/06	1006	2.9	90	38	536	0.21	2.9	79	2208	3.1	95	38.6	541	0.59	1.30		2.72	34.354	7.0	7.58	1.06	229	394
DSW40"	1/11/07	1006	2.7	83	38	531	0.39	5.5	78	2182	2.9	89	40.0	560	0.63	1.35		2.24	34.439	8.7	7.67	1.92	176	1164
DSW40"	1/11/07	930	2.7	83	37	518	0.36	5.0	75	2115	3.1	95	40	565	0.61	1.53		2.34	34.437	9.7	7.66	2.07	327	956
DSW40"	2/2/07	930	2.6	80	35	492	NA	NA	72	2017	2.8	86	NA	NA						11.4				
DSW40"	2/5/07	930	2.6	79	35	487	NA	NA	71	1983	2.7	85								9.4	7.70			
DSW40"	2/6/07	1425																		7.8				
DSW40"	2/7/07	1600																		8.2				
DSW40"	2/8/07	1525																		7.7				
DSW40"	2/15/07	1015	2.5	78	34	475	0.39	5.5	69	1946	2.8	86	39.1	548	0.71	1.13		2.08	34.422	9.8	7.73	2.17	TNTC	11500
DSW40"	2/15/07	930	2.5	77	33	462	0.32	4.5	68	1910	2.7	84	36	503	0.68	1.40		2.25	34.413	11.9	7.74	2.47	TNTC	10600
DSW40"	2/20/07																			6.5			61	209
DSW40"	3/8/07	1025	2.9	91	42	590	0.32	4.5	83	2340	3.1	96	45.1	631	0.57	1.55		2.36	34.387	6.6	7.59	1.19	147	400
DSW40"	3/8/07	950	2.9	90	40	556	0.29	4.1	80	2250	3.1	96	44	616	0.57	1.33		2.08	34.364	8.9	7.60	1.60	37	272
DSW40"	3/9/07																			6.2				
DSW40"	3/15/07																			6.8				
DSW40"	4/12/07	1041	3.0	91	37	511	0.24	3.4	84	2345	3.1	97	37.4	524	0.55	1.73		2.22	34.392	6.8	7.59	1.07	7	139
DSW40"	4/12/07	930	2.9	91	37	517	0.13	1.8	84	2356	3.2	99	39	547	0.56	1.78		2.15	34.393	8.2	7.63	1.60	18	147
DSW40"	5/9/07	1025	3.0	92	45	628	0.29	4.1	85	2399	3.2	98	41.1	576	0.65	1.63		2.23	34.394	6.5	7.58	1.03	112	214
DSW40"	5/9/07	945	3.0	93	50	705	0.24	3.4	99	2780	3.4	104	41	579	0.66	1.90		2.06	34.391	8.7	7.61	1.55	207	381
DSW40"	6/27/07	950	2.9	91	44	621	1.11	15.6	81	2262	0.0		0.0			1.63		2.54	34.384	7.0	7.59	0.99	85	342
DSW40"	6/27/07	900	3.0	93	44	612	0.01	0.1	76	2141	0.0		0			1.33		2.48	34.391	8.2	7.61	1.52	145	344
DSW40"	7/30/07	1015	3.1	95	44	623	0.01	0.1	92	2573	2.4	75	40	560		3.08		2.41	34.420	10.1	7.43	1.11		
DSW40"	7/30/07	1143	3.0	93	44	616	0.04	0.5	85	2384	2.9	88	40.9	573		3.55		2.48	34.408	5.9	7.38	1.24		
DSW40"	8/29/07	1215	3.0	92	44	618	0.01	0.1	79	2217	2.8	85	43	609		1.18		2.48	34.412	11.4	7.67	1.02		
DSW40"	8/29/07	1305	3.0	92	44	615	0.30	4.2	81	2263	2.6	82	44.9	630		1.43		2.45	34.600	5.8	8.12	1.06		
DSW40"	9/24/07	1145	3.1	96	47	657	0.01	0.1	46	1296	0.0		0			1.08		1.68	34.429	9.5	7.74	1.03		
DSW40"	9/24/07	1355	3.1	96	45	625	0.01	0.1	81	2281	0.0		0.0			1.13		2.38	34.394	6.4	8.17	1.15		
DSW40"	10/30/07	959	3.1	95	43	608	0.42	5.9	78	2185	0.0		0			0.73		NA	34.346	8.9	7.67	1.06		
DSW40"	10/30/07	1131	3.2	100	46	647	0.01	0.1	85	2378	0.0		0.0			0.65		2.55	34.371	6.1	7.53	1.17		
DSW40"	11/27/07	1138	0.0		0		0.00				0.0		0			0.75		2.41	34.401	10.4	7.65	1.23		
DSW40"	11/27/07	1301	0.0		0		0.00		0		0.0		0.0			0.95		2.60	34.399	5.9	8.00	1.36		
DSW40"	12/28/07	1537	2.5	77	39	543	0.18	2.5	95	2666	0.0		0.0			0.58		2.54	34.409	6.0	7.69	1.49		
DSW40"	12/28/07	1417	2.4	74	37	517	0.11	1.5	79	2223	0.0		0			0.78		2.59	34.367	7.7	7.59	1.19		
DSW40"	1/29/08	1217	0.0		0		0.00				0.0		0			0.73		2.44	34.388	7.4	7.63	1.18		
DSW40"	1/30/08	917	2.4	76	39	542	0.18	2.5	99	2776	0.0		0.0			0.85		2.47	34.403	6.3	7.56	1.44		
DSW40"	2/28/08	1406	2.9	89	43	595	0.05	0.7	80	2248	2.6	81	42.6	597		0.75		2.47	34.392	5.9	7.68	1.24		
DSW40"	2/28/08	1306	2.9	91	43	598	0.05	0.7	78	2180	2.7	82	45	626		0.85		2.40	34.395	9.6	7.68	1.14		
DSW40"	3/31/08	1259	2.9	89	43	597	0.05	0.7	77	2169	2.5	78	41.9	587		2.15		2.46	34.510	6.0	7.52	1.47		
DSW40"	3/31/08	1117	2.9	90	43	599	0.05	0.7	86	2410	2.6	80	43	603		2.18		2.46	34.300	8.5	7.57	1.15		
DSW40"	4/25/08	923	2.7	83	NA	NA	0.15	2.1	81	2272	2.6	81	39.9	559		0.70		2.37	34.390	6.0	7.88	1.20		
DSW40"	4/25/08	855	2.8	86	NA	NA	0.15	2.1	79	2228	2.6	82	40	559		0.48		2.43	34.372	9.2	7.60	1.18		
DSW40"	5/23/08	924	2.6	81	42	590	0.09	1.3	NA	NA	2.6	81	42.1	590		0.40		2.37	34.386	6.4	7.64	1.23		
DSW40"	5/23/08	1216	2.6	81	43	601	0.09	1.3			2.6	81	57	799		0.93		2.34	34.407	9.4	7.64	1.20		
DSW40"	6/10/08	940	2.6	79	40	564	0.18	2.5	85	2394	2.4	75	42.6	596		0.70		NA	34.377	6.2	7.62	1.33		
DSW40"	6/10/08	1138	2.6	80	40	565	0.18	2.5	69	1949	2.5	76	42	595		0.50			34.363	8.8	7.65	1.11		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/18/08	1340	2.6	81	43	601	0.09	1.3	69	1928	2.1	66	41	576		0.17			34.535	10.0	7.60	1.86		
DSW40"	7/18/08	1406	2.6	81	42	590	0.09	1.3	86	2421	2.0	61	42.3	593		0.19			34.442	7.3	7.77	1.45		
DSW40"	8/13/08	1243	2.3	72	34	474	0.96	13.4	61	1701	2.2	70	40	556		0.55			34.408	12.0	7.63	NA		
DSW40"	8/13/08	1202	2.3	72	33	468	0.46	6.5	64	1798	2.2	67	39.4	551		0.34			34.403	9.3	7.64	NA		
DSW40"	9/8/08	1008	2.6	82	41	567	0.06	0.8	73	2053	1.9	58	36	504		0.22			34.50	12.8	7.53	1.53		
DSW40"	9/8/08	1036	2.5	78	41	567	0.35	4.9	73	2058	1.8	56	35.6	499		0.40			34.46	6.1	7.61	1.67		
DSW40"	10/23/08	1203	2.6	80	40	558	0.30	4.2	66	1866	2.7	84	46	647		0.30			34.49	11.8	7.50	1.61		
DSW40"	10/23/08	1112	2.6	79	40	556	0.46	6.5	66	1865	2.6	82	47.4	664		0.13			34.45	6.2	7.64	1.71		
DSW40"	11/28/08	1120	2.9	89	43	606	0.23	3.2	82	2308	2.7	85	44	617		1.19			34.43	12.1	7.69	2.42		
DSW40"	11/28/08	1057	2.8	86	42	595	0.29	4.0	81	2265	2.7	84	45.5	638		0.04			34.42	6.6	7.70	1.26		
DSW40"	12/30/08	939	2.4	75	41	569	0.33	4.6	73	2053	2.6	81	42.7	599		0.17			34.56	8.7	7.60	1.60		
DSW40"	12/30/08	1006	2.4	75	40	562	0.33	4.6	89	2509	2.6	81	43	601		0.08			34.57	12.1	7.65	1.48		
DSW40"	1/12/09	1152	2.7	85	38	535	0.12	1.7	75	2108	2.7	82	47.0	659		0.35			34.360	8.9	7.71	1.60		
DSW40"	1/12/09	1218	2.8	86	39	539	0.12	1.7	70	1954	2.8	87	42	583		0.68			34.362	12.8	7.66	1.55		
DSW40"	2/20/09	1309	2.7	82	40	562	3.28	46.0	85	2377	2.9	91	46.5	651		0.58	0.18		34.740	27.8	7.64	0.43		
DSW40"	2/20/09	1338	2.5	77	41	571	0.31	4.3	94	2651	2.8	85	46	643		0.83	0.18		34.21	11.0	7.61	1.68		
DSW40"	3/30/09	1306	2.8	86	27	382	0.19	2.6	72	2016	2.9	89	34.2	479		0.48			34.594	34.0	7.17	0.02		
DSW40"	3/30/09	1333	2.3	72	38	530	0.06	0.9	80	2242	2.4	73	37	517		0.46			34.664	11.5	7.53	1.46		
DSW40"	4/30/09	1032	3.7	116	15	207	0.51	7.2	82	2292	3.2	98	26.0	365		0.60			34.440	32.3	7.97	0.05		
DSW40"	4/30/09	1046	2.9	89	38	533	0.43	6.0	87	2453	2.4	75	46	648		0.53			34.555	12.3	7.63	1.67		
DSW40"	5/15/09																							
DSW40"	5/15/09	1415	3.1	97	40	561	0.19	2.7	85	2376	3.4	107	46	640		0.37			34.58	13.6	7.72	1.47		
DSW40"	6/10/09	1046	3.0	92	39	547	0.16	2.2	73	2062	2.8	86	39.5	553		0.24			34.391	9.1	7.68	1.36		
DSW40"	6/10/09	1234	3.1	96	40	562	0.16	2.2	87	2446	3.1	95	42	594		0.25			34.495	10.1	7.25	1.35		
DSW40"	7/10/09	1058	2.6	80	31	439	0.11	1.6	73	2039	2.4	76	34	482		0.25			34.66	13.2	7.64	1.57		
DSW40"	7/10/09	1039	2.6	80	31	429	0.44	6.2	59	1646	2.2	70	32.6	457		0.54			34.54	8.5	7.66	1.83		
DSW40"	8/27/09	1131	2.7	85	32	450	0.52	7.3	92	2571	2.6	81	38	528		0.40	0.02		34.54	10.3	7.56	1.43		
DSW40"	8/27/09	1003	2.6	81	33	463	0.34	4.7	74	2068	2.4	74	36.9	517		0.42	0.02		34.48	9.0	8.01	4.10		
DSW40"	9/17/09	1159	2.7	83	40	557	0.12	1.7	53	1475	2.9	90	42	583		3.99	0.17		34.59	8.8	8.15	1.50		
DSW40"	9/17/09	1138	2.2	69	30	421	0.54	7.5	42	1170	2.6	82	34.2	479		1.41	0.36		34.57	6.5	8.15	3.31		
DSW40"	10/26/09	1105	3.2	98	45	624	0.17	2.4	88	2469	3.2	98	45	637		0.79			34.53	9.3	7.57	1.12		
DSW40"	10/26/09	1053	3.0	93	43	607	0.26	3.6	86	2417	2.9	91	44.5	624		0.46			34.50	5.8	7.60	1.69		
DSW40"	11/19/09	1450	3.0	93	40	555	0.36	5.0	87	2445	3.0	94	45	633		0.35			34.61	9.1	7.49	1.07		
DSW40"	11/19/09	1419	3.1	96	40	555	0.27	3.8	86	2426	3.1	95	42.5	596		0.23			34.59	6.0	7.48	1.48		
DSW40"	12/3/09	928	3.1	95	40	561	0.34	4.8	91	2557	3.0	92	44.3	621		0.65			34.47	6.7	7.67	1.16		
DSW40"	12/3/09	911	3.1	95	40	560	0.34	4.8	91	2549	3.0	93	47	665		0.53			34.51	9.0	7.57	1.11		
DSW40"	1/14/10	940	3.1	97	41	580	0.69	9.6	85	2394	3.1	96	44.6	625		0.33			34.54	7.4	7.63	1.46		
DSW40"	1/14/10	830	3.1	98	42	585	0.72	10.1	88	2461	3.2	98	45	629		0.33			34.44	8.6	7.66	1.50		
DSW40"	2/16/10	1120	3.1	95	44	614	0.38	5.3	90	2517	3.2	100	45.5	638		0.88			34.34	6.8	7.57	1.09		
DSW40"	2/16/10	1055	3.0	94	43	607	0.28	3.9	83	2331	3.1	96	45	628		0.25			34.32	7.8	7.60	1.11		
DSW40"	3/15/10	917	3.1	95	43	597	0.10	1.4	91	2563	3.1	95	44.9	629		1.05	0.06		34.33	7.3	7.56	1.05		
DSW40"	3/15/10	840	3.1	96	43	597	0.10	1.4	90	2532	3.1	97	45	625		0.47			34.32	8.5	7.41	1.02		
DSW40"	4/1/10	835	3.3	102	41	571	0.29	4.0	87	2450	3.0	94	43.9	614		0.23	0.10		34.42	7.1	7.57	1.05		
DSW40"	4/1/10	823	3.3	101	41	576	0.34	4.7	90	2522	3.2	99	46	651		1.00	0.17		34.41	7.8	7.59	1.24		
DSW40"	5/10/10	840	2.9	90	42	584	0.52	7.3	91	2542	3.0	92	42.9	601		0.73	0.14		34.38	6.8	7.56	1.13		
DSW40"	5/10/10	828	2.9	90	42	587	0.86	12.0	94	2641	3.0	92	44	621		1.19	0.07		34.42	7.8	7.56	1.19		
DSW40"	6/23/10	914	3.0	93	44	616	0.22	3.1	95	2659	2.9	91	45.6	638		0.50	0.10		34.39	6.0	7.60	1.28		
DSW40"	6/23/10	853	3.0	92	44	617	0.23	3.2	95	2664	3.0	93	46	647		0.45	0.15		34.43	7.5	7.69	1.29		

NELHA Water Quality Laboratory

DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/1/10	933	2.9	91	43	603	0.31	4.4	90	2530	3.0	94	48	666		0.70	0.06		34.30	7.8	7.56	1.20		
DSW40"	7/1/10	954	3.0	92	43	608	0.24	3.3	95	2679	2.9	91	45.6	638		0.55	0.06		34.29	6.0	7.55	1.30		
DSW40"	8/5/10	856	3.0	93	41	580	0.21	2.9	85	2400	3.0	94	45	625		0.93	0.10		34.36	7.8	7.62	1.23		
DSW40"	8/5/10	933	3.0	93	41	579	0.21	2.9	86	2417	3.0	94	44.5	624		0.93	0.02		34.38	6.0	7.55	1.31		
DSW40"	9/2/10	916	3.0	92	42	592	0.14	1.9	80	2237	3.0	94	47	653		0.75	0.02		34.26	7.6	7.53	1.30		
DSW40"	9/2/10	928	2.9	90	42	582	0.16	2.2	77	2169	3.0	93	47.2	661		0.75	0.03		34.17	7.1	7.54	1.37		
DSW40"	10/18/10	917	3.1	96	44	621	0.10	1.4	87	2448	3.2	99	46	646		0.50	0.10		34.18	7.2	7.59	1.48		
DSW40"	10/18/10	923	3.1	96	44	614	0.13	1.8	86	2405	3.2	100	47.4	663		0.45	0.12		34.18	6.3	7.57	1.54		
DSW40"	11/4/10	925	2.9	90	42	585	0.06	0.9	84	2364	3.0	92	45	636		0.35	0.05		34.40	8.3	7.60	1.30		
DSW40"	11/4/10	945	2.9	90	42	583	0.19	2.6	80	2257	3.0	92	45.4	636		0.60	0.07		34.39	6.5	7.58	1.34		
DSW40"	12/1/10	947	3.0	93	43	601	0.01	0.1	90	2522	2.9	90	49.6	695		0.27	0.10		34.31	6.3	7.58	1.24		
DSW40"	12/1/10	921	3.0	92	43	601	0.05	0.7	87	2454	2.9	90	50	695		0.40	0.05		34.34	8.0	7.61	1.17		
DSW40"	1/25/11	939	3.1	97	43	599	0.37	5.2	87	2431	3.1	95	47.4	664		0.57	0.07		34.35	6.3	7.56	1.21		
DSW40"	1/25/11	914	3.1	97	43	603	0.29	4.1	88	2460	3.1	95	47	664		0.65	0.04		34.35	7.7	7.54	1.56		
DSW40"	2/8/11	955	3.2	99	43	606	0.54	7.5	90	2515	3.3	102	47.6	667		0.60	0.08		34.39	6.1	7.66	1.34		
DSW40"	2/8/11	936	3.2	98	43	604	0.45	6.3	89	2493	3.3	101	46	646		0.68	0.06		34.39	8.1	7.66	1.32		
DSW40"	3/7/11	1042	3.2	98	43	597	0.42	5.9	88	2481	3.2	98	44.9	629		0.50	0.08		34.38	6.2	7.56	1.46		
DSW40"	3/7/11	1023	3.1	97	43	597	0.38	5.3	90	2527	3.2	100	44	623		0.58	0.10		34.38	7.8	7.60	1.40		
DSW40"	4/11/11	1046	3.1	95	44	621	0.11	1.5	94	2638	3.1	95	50.3	705		0.59	0.05		34.62	6.0	7.64	1.20		
DSW40"	4/11/11	948	3.0	94	45	626	0.06	0.9	87	2447	3.0	92	50	704		0.56	0.13		34.62	7.9	7.62	1.36		
DSW40"	5/25/11	1150	3.0	94	43	603	0.29	4.1	85	2390	3.0	93	46.4	650		0.70	0.08		34.39	7.3	7.60	1.87		
DSW40"	5/25/11	849	3.0	93	43	608	0.19	2.7	87	2443	3.1	95	47	658		0.51	0.08		34.37	8.0	7.64	2.49		
DSW40"	6/1/11	947	3.0	93	44	615	0.16	2.3	84	2366	3.0	93	47.8	670		0.84	0.03		34.33	6.1	7.60	1.70		
DSW40"	6/13/11	924	3.0	93	43	600	0.11	1.5	85	2395	3.0	92	48	673		0.63	0.08		34.36	8.8	7.63	1.69		
DSW40"	7/21/11	818	3.1	98	42	592	0.14	1.9	89	2500	3.2	98	46	649		0.69	0.02		34.35	8.3	7.57	1.30		
DSW40"	7/21/11	847	3.2	99	42	594	0.19	2.7	85	2394	3.2	99	44.7	627		0.55	0.02		34.31	6.1	7.53	1.47		
DSW40"	8/22/11	940	3.0	92	42	584	0.01	0.1	89	2493	3.0	94	44	621		0.48	0.04		34.29	8.2	7.58	1.57		
DSW40"	8/22/11	1015	3.1	95	42	590	0.04	0.6	91	2558	3.2	98	46.9	656		0.48	0.02		34.30	5.8	7.57	1.61		
DSW40"	9/15/11	808	2.9	91	40	566	0.07	1.0	83	2341	2.9	91	44	611		0.41	0.05		34.33	8.4	7.56	1.25		
DSW40"	9/15/11	824	3.0	92	41	570	0.11	1.5	84	2354	3.0	93	43.6	610		0.28	0.04		34.32	6.1	7.56	1.33		
DSW40"	10/4/11	1214	3.0	92	41	578	0.07	1.0	81	2286	3.0	92	44	611		0.26	0.02		34.54	9.1	7.55	1.23		
DSW40"	10/5/11	1156	3.0	92	41	581	0.04	0.6	80	2260	3.0	92	44.1	618		0.32	0.02		34.46	6.3	7.58	1.28		
DSW40"	11/21/11	1047	3.1	95	43	605	0.02	0.3	86	2408	3.1	95	47	664		0.36	0.05		34.30	8.4	7.67	1.00		
DSW40"	11/21/11	1126	3.1	95	43	596	0.02	0.3	82	2299	3.0	92	47.5	665		1.86	0.02		34.31	6.6	7.65	1.08		
DSW40"	12/27/11	1015	3.0	92	43	603	0.15	2.1	85	2386	3.0	92	49.1	687		0.42	0.06		34.20	6.3	7.57	1.18		
DSW40"	12/27/11	1000	2.9	91	43	600	0.04	0.6	86	2418	3.0	93	46	647		0.47	0.02		34.21	7.5	7.62	1.28		
DSW40"	1/30/12	1011	2.9	91	43	600	0.08	1.1	85	2401	2.9	91	47.1	660		0.34	0.07		34.40	6.3	7.52	1.16		
DSW40"	1/30/12	934	2.9	90	43	601	0.08	1.1	86	2403	2.9	90	47	656		0.43	0.02		34.53	7.8	7.66	1.22		
DSW40"	2/27/12	1019	3.0	93	42	584	0.01	0.1	85	2388	2.7	85	48.9	685		0.56	0.05		34.40	6.1	7.53	1.24		
DSW40"	2/27/12	959	2.9	91	42	582	0.01	0.1	84	2360	2.8	87	46	649		2.01	0.06		34.37	7.9	7.58	1.19		
DSW40"	3/28/12	943	3.0	93	38	534	0.37	5.2	80	2251	2.8	88	43.2	605		0.44	0.02		34.38	6.2	7.55	1.01		
DSW40"	3/28/12	909	2.9	90	38	527	0.36	5.0	79	2212	2.7	84	42	586		0.49	0.02		34.33	7.9	7.57	1.03		
DSW40"	4/16/12	946	3.2	99	43	601	0.01	0.1	80	2251	3.2	98	48.0	673		0.52	0.02		34.40	6.2	7.56	1.01		
DSW40"	4/16/12	934	3.1	97	43	596	0.01	0.2	78	2203	3.1	97	46	648		0.28	0.02		34.39	7.8	7.46	1.05		
DSW40"	5/24/12	952	3.2	99	44	620	0.15	2.1	86	2422	3.2	99	47.6	666		0.51	0.04		34.27	6.1	7.55	1.26		
DSW40"	5/24/12	1042	3.2	98	44	617	0.16	2.3	86	2423	3.3	103	46	644		0.48	0.05		34.31	7.8	7.52	1.10		
DSW40"	6/19/12	953	3.0	94	43	600	0.32	4.5	78	2192	3.0	93	45.8	641		0.37	0.02		34.44	6.2	7.46	1.09		
DSW40"	6/19/12	925	3.0	93	43	599	0.62	8.7	79	2229	2.9	90	45	634		0.52	0.07		34.42	8.0	7.75	1.15		

NELHA Water Quality Laboratory

DSW 40"

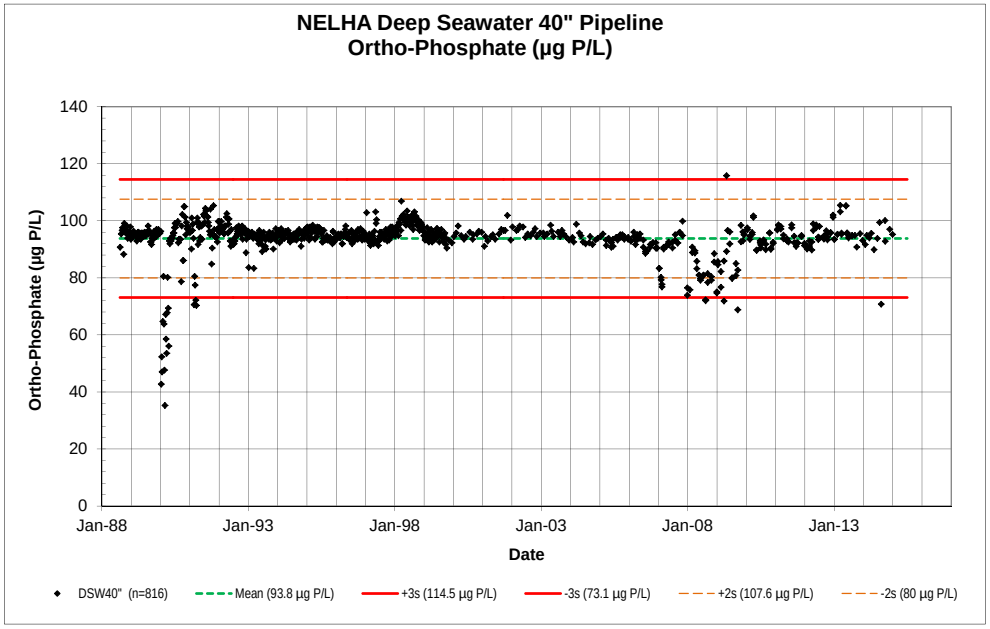
Intake Depth: 674 m, Offshore Pipe Length: 1,916 m

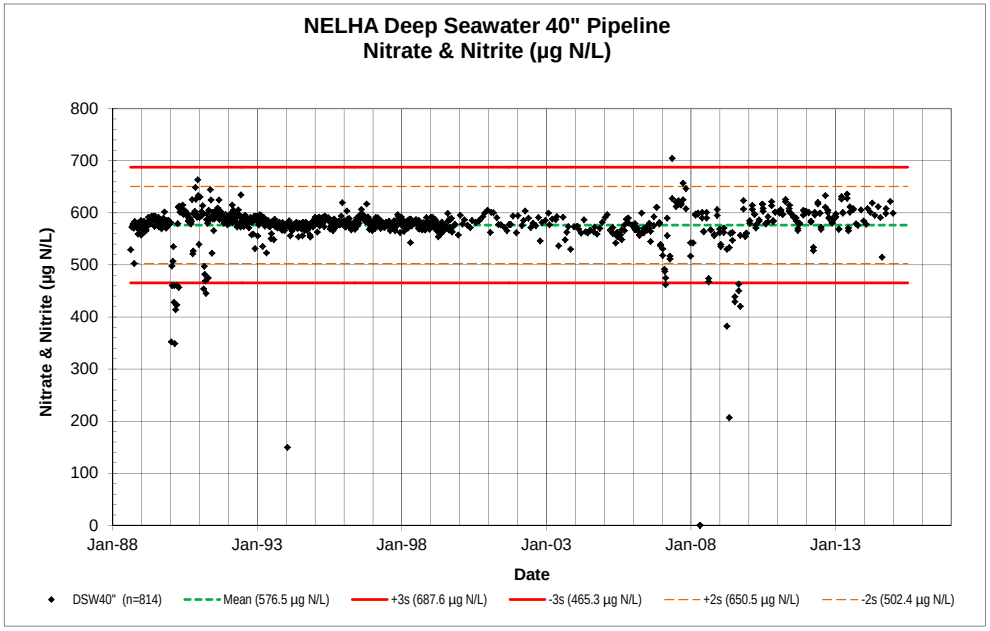
SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW40"	7/3/12	942	3.0	94	41	568	0.31	4.3	80	2257	3.2	99	43	599		0.55	0.02		34.58	7.8	7.57	1.29		
DSW40"	7/3/12	958	3.2	98	41	573	0.21	3.0	78	2182	3.2	100	41.6	583		1.16	0.02		34.57	6.1	7.61	1.68		
DSW40"	8/27/12	1016	3.0	94	44	611	0.12	1.7	92	2588	3.2	98	47	662		0.45	0.02		34.35	7.3	7.57	1.35		
DSW40"	8/27/12	1029	3.1	95	45	633	0.19	2.7	93	2608	3.1	95	48.4	678		0.52	0.03		34.44	5.6	7.58	1.30		
DSW40"	9/26/12	1003	3.1	95	43	601	0.02	0.3	93	2616	3.3	101	49	689		0.64	0.05		34.46	8.3	7.42	1.31		
DSW40"	9/26/12	1015	3.1	97	43	605	0.13	1.8	94	2646	3.2	100	46.2	648		0.69	0.03		34.46	6.2	7.44	1.35		
DSW40"	10/10/12	915	3.0	93	42	591	0.10	1.4	89	2506	3.1	97	47	655		0.55	0.03		34.42	7.7	7.44	1.29		
DSW40"	10/10/12	930	3.0	94	42	589	0.12	1.7	89	2508	3.1	96	47.7	668		1.68	0.04		34.45	5.8	7.51	1.30		
DSW40"	11/19/12	1303	3.1	96	41	580	0.14	1.9	87	2440	3.2	98	50.6	709		0.43	0.02		34.28	6.0	7.61	1.41		
DSW40"	11/19/12	1249	3.1	96	42	582	0.09	1.3	89	2505	3.1	97	44	611		0.50	0.10		34.30	8.0	7.66	1.41		
DSW40"	12/19/12	918	3.3	101	42	589	0.21	3.0	89	2500	3.4	105	52.2	731		0.68	0.04		34.35	6.0	7.57	1.42		
DSW40"	12/19/12	906	3.3	102	42	593	0.16	2.3	89	2506	3.3	102	44	613		0.60	0.02		34.22	7.4	7.61	1.42		
DSW40"	1/4/13	945	3.0	93	42	592	0.06	0.9	87	2441	3.0	94	45.7	640		1.89	0.04		34.24	6.0	7.65	1.56		
DSW40"	1/4/13	933	3.0	94	43	598	0.11	1.6	90	2519	3.0	94	44	617		0.44	0.02		34.22	7.9	7.68	1.55		
DSW40"	2/13/13	956	3.1	95	41	568	0.01	0.1	81	2279	3.1	95	44.8	628		0.67	0.02		34.38	6.2	7.59	1.89		
DSW40"	2/13/13	937	3.08	95	41	568	0.01	0.1	84	2371	3.1	96	44	620		0.74	0.02		34.43	7.4	7.59	1.73		
DSW40"	3/18/13	1104	3.4	105	45	631	0.36	5.1	88	2463	3.2	100	49.3	691		0.65	0.03		34.39	6.0	7.57	1.70		
DSW40"	3/18/13	1046	3.33	103	45	626	0.39	5.4	87	2452	3.3	103	47	665		1.08	0.02		34.42	7.3	7.59	1.47		
DSW40"	4/3/13	1154	3.1	96	43	601	0.02	0.3	86	2423	3.1	96	47.5	665		0.55	0.02		34.43	5.8	7.58	1.55		
DSW40"	4/3/13	1137	3.08	95	43	599	0.01	0.2	85	2387	3.0	94	45.1	632		0.55	0.02		34.38	8.0	7.60	1.25		
DSW40"	5/29/13	1040	3.4	105	45	636	0.16	2.3	91	2560	3.4	106	50.0	701		1.34	0.02		34.44	5.8	7.53	1.36		
DSW40"	5/29/13	852	3.40	105	45	628	0.19	2.6	91	2558	3.4	107	50.6	709		0.65	0.02		34.50	8.0	7.57	1.41		
DSW40"	6/13/13	1007	3.1	96	40	565	0.37	5.2	81	2269	2.9	91	43.6	610		0.49	0.06		34.43	6.1	7.50	1.16		
DSW40"	6/13/13	945	3.09	96	41	571	0.32	4.5	85	2380	3.0	92	42.9	601		0.60	0.02		34.41	8.2	7.46	1.23		
DSW40"	7/1/13	918	3.0	94	44	611	0.19	2.7	85	2395	3.2	99	48.2	675		0.65	0.04		34.42	5.9	7.59	1.26		
DSW40"	7/1/13	903	3.1	95	43	601	0.08	1.1	87	2435	3.1	97	47	657		0.49	0.03		34.41	8.0	7.61	1.23		
DSW40"	8/14/13	932	3.1	95	43	608	0.11	1.5	88	2465	3.0	93	47	655		0.77	0.02		34.39	7.7	7.54	1.30		
DSW40"	8/14/13	942	3.1	95	43	606	0.12	1.7	87	2442	3.0	93	53	738		0.58	0.02		34.42	5.8	7.54	1.30		
DSW40"	9/18/13	953	3.1	95	41	579	0.20	2.8	81	2287	2.9	90	43	603		0.54	0.02		34.47	6.2	7.54	1.40		
DSW40"	10/10/13	930	2.9	91	41	576	0.24	3.4	81	2269	2.9	91	43	602		0.62	0.02		34.48	6.2	7.57	1.37		
DSW40"	11/21/13	958	3.1	96	43	606	0.50	7.0	84	2371	3.0	94	45	637		0.70	0.02		34.58	6.1	7.53	1.66		
DSW40"	12/23/13	925	3.0	93	42	584	0.36	5.0	81	2272	2.9	90	42	589		0.64	0.02		34.49	6.4	7.59	1.41		
DSW40"	1/23/14	1150	3.0	92	41	578	0.11	1.5	80	2257	3.0	92	43	609		1.21	0.02		34.29	6.4	7.55	1.60		
DSW40"	2/12/14	1046	3.06	95	43	608	0.43	6.0	87	2456	3.0	92	45	630		0.81			34.49	5.9	7.56	1.76		
DSW40"	3/17/14	1019	3.03	94	43	601	0.04	0.6	87	2447	2.9	89	45	634		0.73	0.03		34.42	5.8	7.59	1.54		
DSW40"	4/10/14	1109	3.09	96	44	619	0.09	1.3	90	2519	2.9	90	45.9	642		0.60	0.02		34.47	5.7	7.60	1.75		
DSW40"	5/13/14	1402	2.90	90	42	595	0.30	4.2	82	2309	2.9	89	45.1	632		0.74	0.02		34.50	5.8	7.61	1.90		
DSW40"	6/24/14	1237	3.03	94	44	612	0.76	10.6	77	2167	3.3	102	46.0	644		0.91	0.03		34.66	6.2	7.63	1.45		
DSW40"	7/23/14	1202	3.21	99	42	591	0.67	9.4	81	2280	3.1	95	45.2	634		0.63	0.05		34.68	6.0	7.57	1.46		
DSW40"	8/11/14	1111	2.29	71	37	515	0.33	4.6	74	2080	2.3	71	39.3	550		0.76	0.08		34.43	5.9	7.55	1.26		
DSW40"	9/29/14	1200	3.23	100	43	599	0.21	3.0	83	2328	3.3	102	46.3	648		0.84	0.07		34.66	6.2	7.59	1.28		
DSW40"	10/1/14	1247	3.00	93	43	608	0.30	4.2	80	2245	3.0	94	48.3	676		0.66	0.09		34.52	6.1	7.51	1.17		
DSW40"	11/25/14	1218	3.13	97	44	622	0.21	2.9	84	2360	3.1	96	48.1	673		1.13	0.04		34.50	6.0	7.64	1.22		
DSW40"	12/30/14	1016	3.07	95	43	599	0.14	1.9	86	2417	3.1	96	49.1	687		0.74	0.03		34.53	6.1	7.56	1.24		
DSW40"	1/1/15																							
DSW40"	2/1/15																							
DSW40"	3/1/15																							
DSW40"	4/1/15																							
DSW40"	5/1/15																							
DSW40"	6/1/15																							
DSW40"	7/1/15																							
Mean (Aug. '86 - present)			3.0	94	41.0	576	0.2	2.5	84.4	2374	3.1	97	43.5	617	0.67	0.73	0.05	2.37	34.39	8.2	7.58	1.28		
STD DEV			0.3	7	3.6	37	0.2	2.7	6.6	165	0.4	8	6.0	47	0.31	0.55	0.05	0.1	0.12	1.9	0.09	0.98		
Range																								
UWL	+2s		3.6	108	48	651	0.56	7.8	98	2704	4.0	113	55.5	712	1.29	1.84	0.15	2.58	34.616	12.0	7.76	3.25		
LWL	-2s		2.4	80	34	502	-0.21	-2.9	71	2044	2.2	80	31.5	522	0.05	-0.38	-0.05	2.15	34.154	4.4	7.41	-0.69		
UCL	+3s		3.9	114	52	688	0.75	10.5	104	2869	4.4	122	61.4	759	1.60	2.39	0.20	2.69	34.732	13.9	7.84	4.23		
LCL	-3s		2.2	73	30	465	-0.40	-5.6	65	1879	1.8	72	25.5	475	-0.26	-0.93	-0.10	2.05	34.038	2.5	7.32	-1.68		
Data																								
Max. Value			3.7	116	50.3	705	3.3	46	113.8	3196	4.1	126	58.9	825	4.88	5.50	0.36	3.33	34.93	34.0	8.54	10.74		
Min. Value			0.0	35	0.0	150	0.0	0	0.0	1170	0.0	0	0.0	0	0.03	0.00	0.02	1.68	33.29	5.6	7.17	0.02		

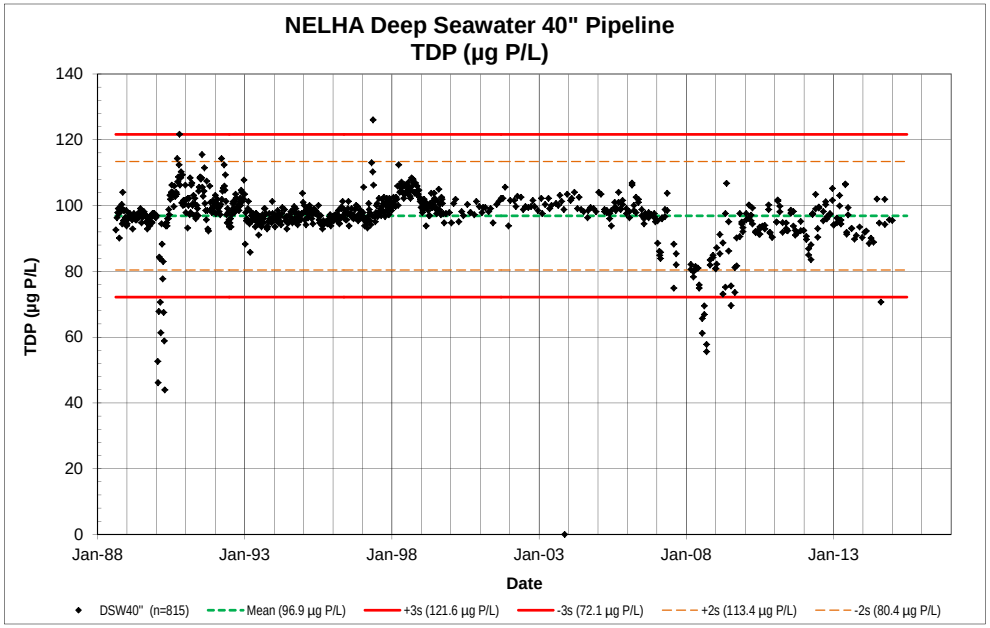
NELHA Water Quality Laboratory

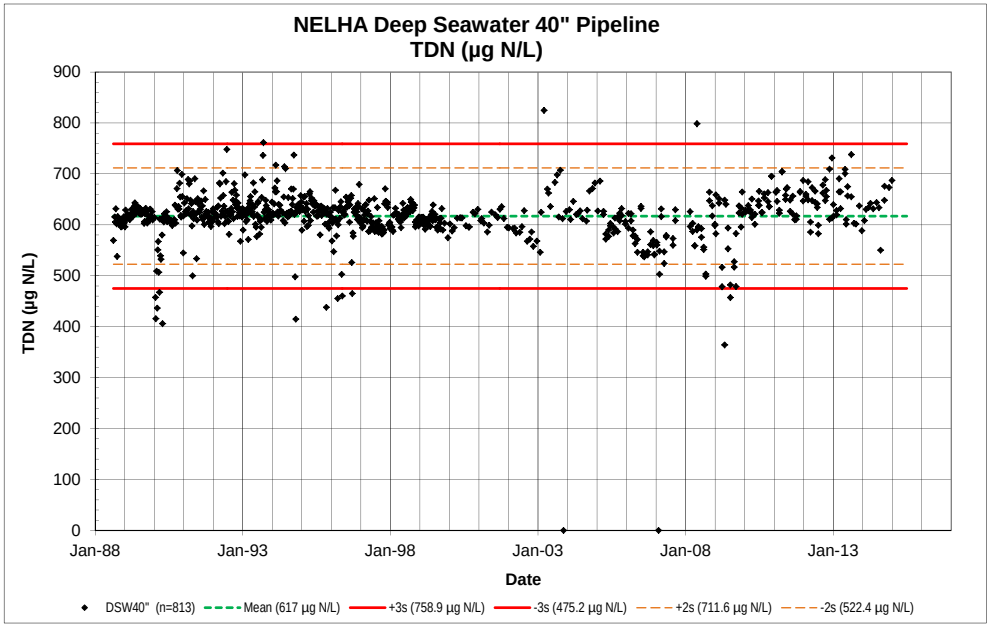
DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m





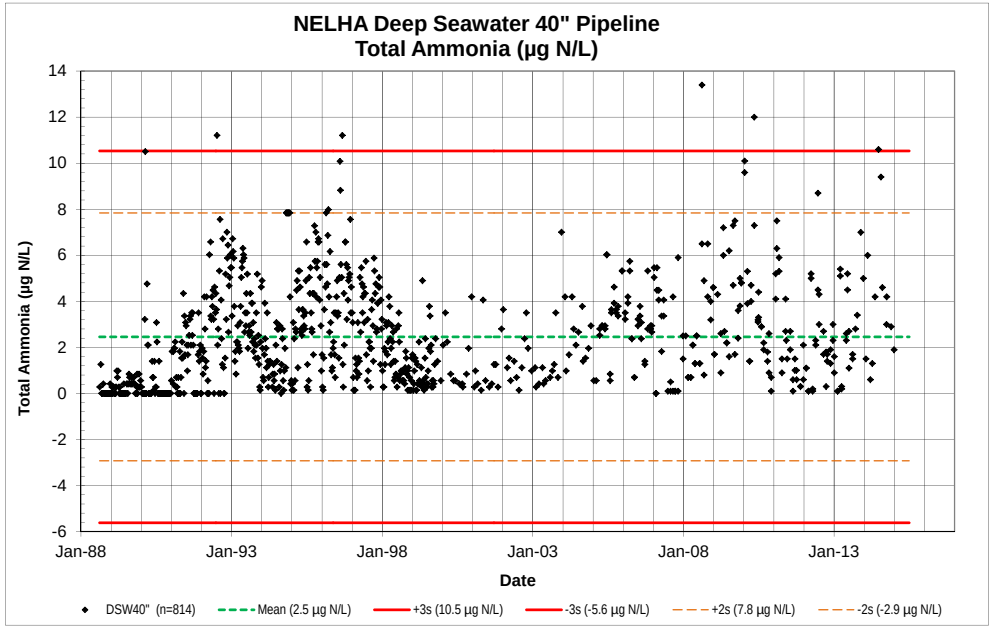


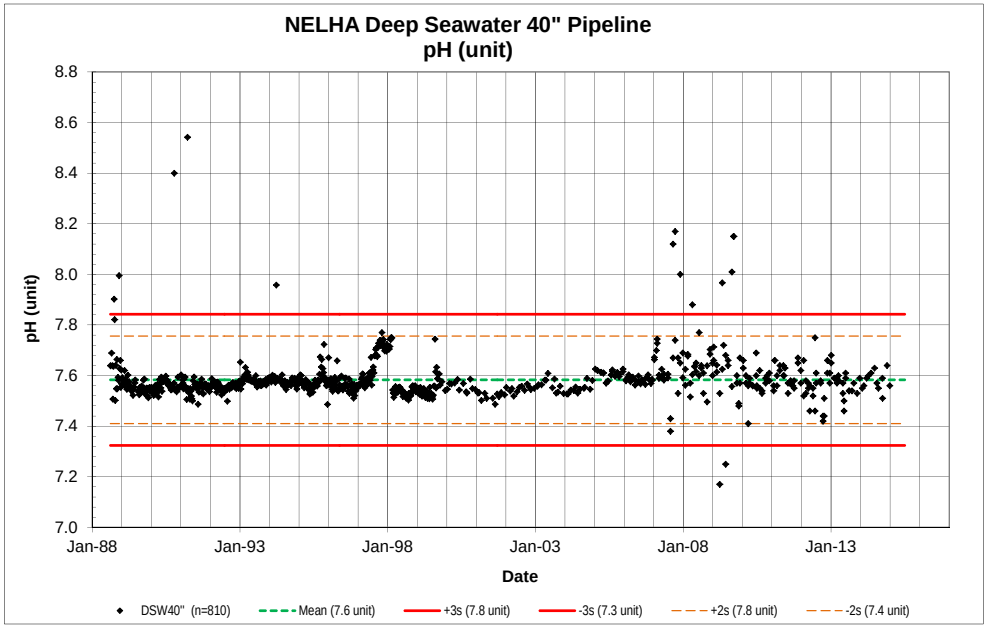


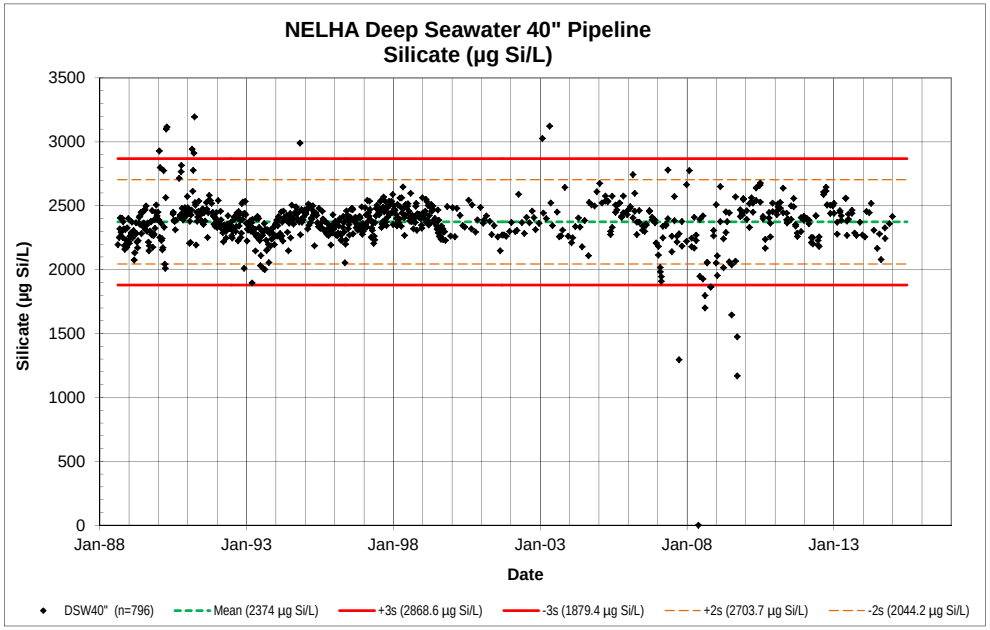
NELHA Water Quality Laboratory

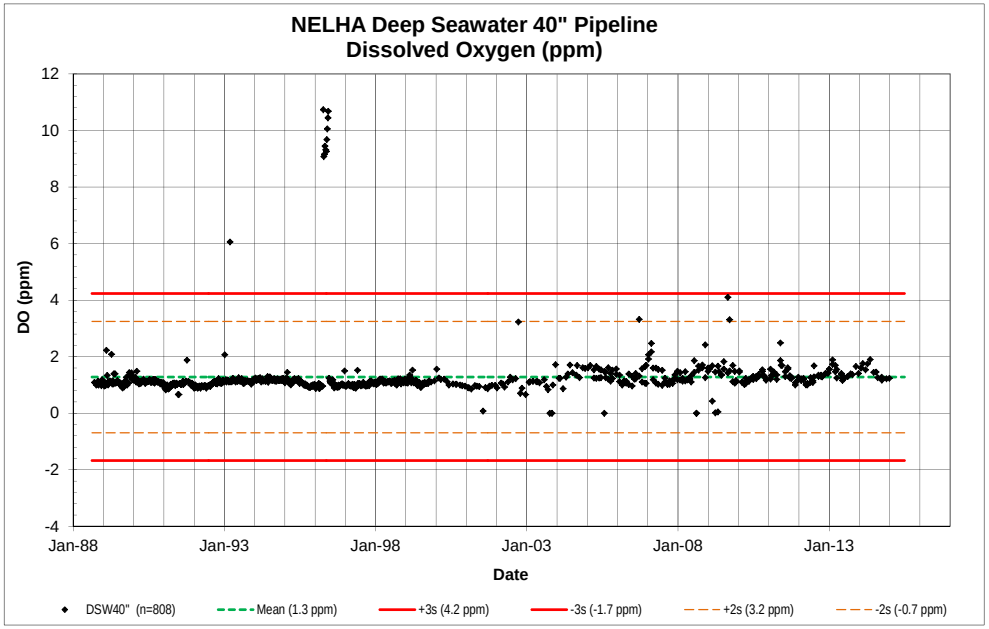
DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m





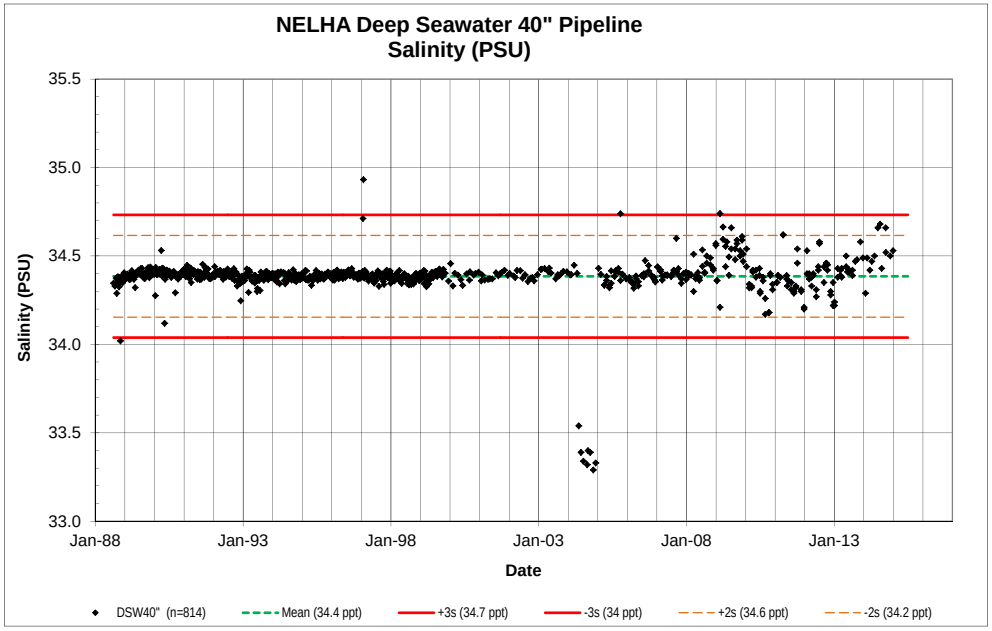


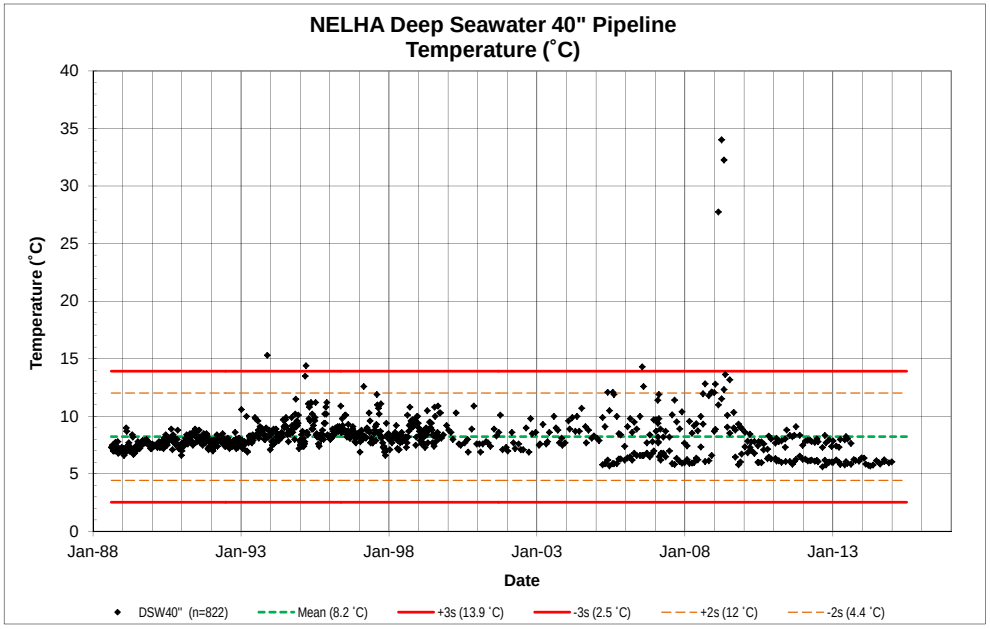


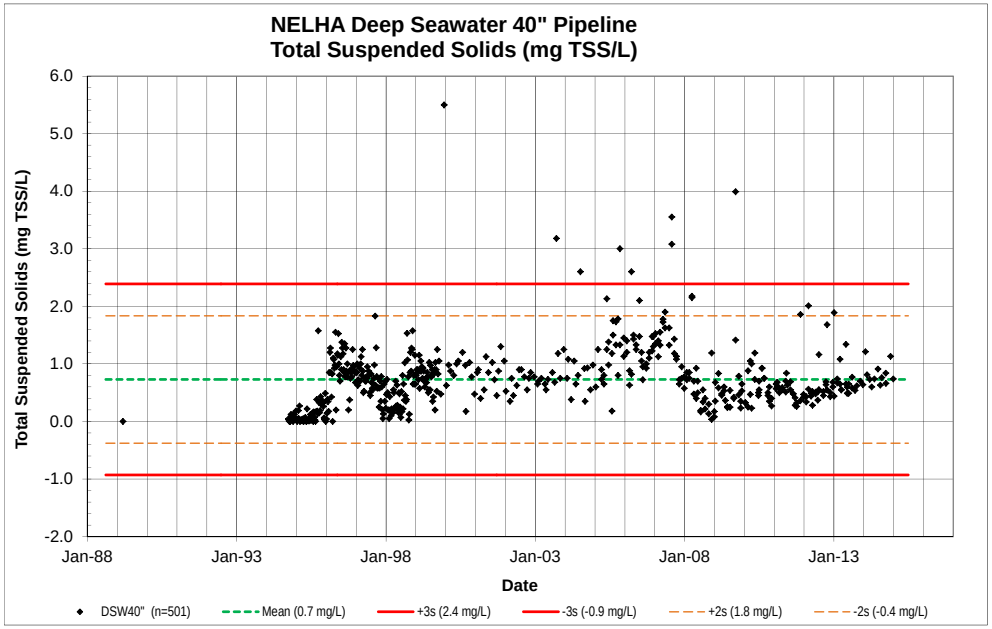
NELHA Water Quality Laboratory

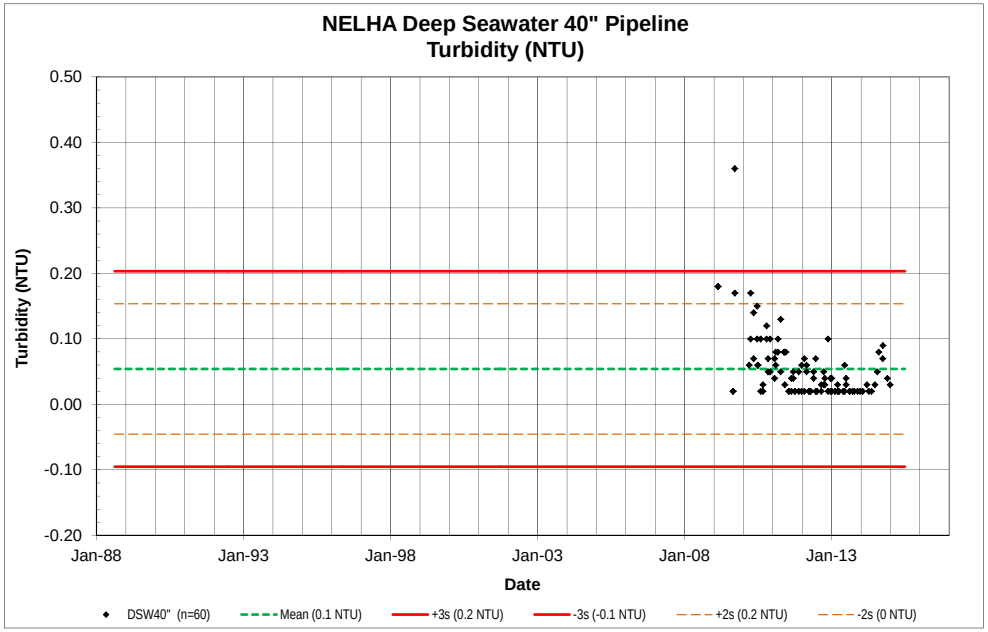
DSW 40"

Intake Depth: 674 m, Offshore Pipe Length: 1,916 m









NELHA Water Quality Laboratory

DSW 18"

Intake Depth: 628 m, Offshore Pipe Length: 1,834 m

SITE ID	DATE	TIME	PO_4^{3-}		NO_3^- & NO_2^-		NH_4^+ & NH_3		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW18"	3/23/05		2.9	90	40	564	0.22	3.1	85	2384	3.2	99	44.7	626	0.56	0.45		2.37	34.310	7.2	7.63	1.32	31	5888
DSW18"	4/21/05		3.0	93	40	560	0.21	2.9	84	2357	3.1	96	39.4	552		0.50		2.35	34.353	6.9	7.62	1.31	8	167
DSW18"	5/26/05	1000	2.9	90	38	531	0.22	3.1	77	2172	3.1	97	41.2	576		4.10		2.37	34.315	7.6	7.59	1.40	38	133
DSW18"	6/16/05	942	2.9	89	38	529	0.41	5.7	80	2249	3.1	94	40.1	561		0.90		2.35	34.345	7.3	7.59	1.38	5	183
DSW18"	7/27/05	933	2.9	91	38	534	0.07	1.0	80	2253	3.1	97	42.2	590		0.60		2.38	34.334	7.4	7.62	1.43	33	242
DSW18"	8/11/05	848	2.9	90	39	545	0.25	3.5	81	2287	3.1	96	40.9	573		1.53		2.36	34.341	7.5	7.63	1.35	119	392
DSW18"	9/14/05	920	3.0	93	39	551	0.31	4.3	82	2304	3.2	99	43.6	611		0.92		3.00	34.317	7.0	7.59	1.20	27	105
DSW18"	10/10/05	1000	3.0	92	41	568	0.24	3.4	80	2254	3.2	99	43.8	613	0.71	1.33		2.38	34.304	6.8	7.61	1.28	10	53
DSW18"	11/2/05	903	2.9	91	39	551	0.26	3.6	80	2239	3.1	96	43.2	605	0.78	0.77		3.00	34.318	6.8	7.60	1.38	68	131
DSW18"	12/20/05	859	2.8	87	38	531	0.41	5.7	72	2019	3.0	94	41.2	576	0.59	1.18		2.59	34.278	7.4	7.60	1.58	50	192
DSW18"	1/26/06	916	3.0	91	41	568	0.25	3.5	85	2389	3.1	97	43.6	611		1.23		2.24	34.351	6.8	7.58	1.05	27	131
DSW18"	2/28/06	1005	3.1	96	40	561	0.43	6.0	83	2330	3.4	107	45.4	636		0.85		2.29	34.330	6.7	7.59	1.05	14	64
DSW18"	3/23/06	935	3.0	92	40	562	0.38	5.3	84	2356	3.3	101	42.2	591		0.85		2.24	34.331	6.9	7.58	1.15	19	42
DSW18"	4/18/06	1018	3.0	92	41	573	0.17	2.4	79	2210	3.0	94	40.1	561	0.59	1.50		2.32	34.344	7.2	7.59	1.13	37	64
DSW18"	5/18/06	1010	2.9	89	38	532	0.15	2.1	76	2134	3.1	96	40.3	564	0.63	1.25		2.36	34.303	7.3	7.59	1.23	106	428
DSW18"	6/29/06	944	2.9	90	39	543	0.24	3.4	77	2149	3.1	96	43.2	605	0.72	1.75		2.32	34.335	7.8	7.59	1.23	138	622
DSW18"	7/25/06	1010	2.9	89	40	566	0.26	3.6	80	2255	3.1	95	36.1	506	0.63	1.23		2.33	34.388	7.8	7.59	1.26	97	139
DSW18"	8/10/06	1035	2.8	86	39	548	0.26	3.6	77	2149	3.0	94	37.9	531	0.58	1.40		1.94	34.334	7.6	7.57	1.26	56	136
DSW18"	9/21/06	1035	2.8	88	41	567	0.08	1.1	76	2137	3.0	94	37.8	529	0.60	1.30		2.07	34.347	7.6	7.59	1.26	213	247
DSW18"	10/26/06	1015	2.9	90	43	601	0.29	4.1	82	2306	3.1	96	40.4	565	0.62	0.78		2.65	34.378	7.5	7.61	1.18	288	589
DSW18"	11/30/06	1040	2.8	88	41	570	0.19	2.7	79	2205	3.1	96	37.4	524	0.58	1.95		2.73	34.350	7.4	7.58	1.07	460	1891
DSW18"	12/14/06	1024	2.9	90	39	539	0.21	2.9	79	2205	3.1	96	37.1	520	0.57	2.13		2.41	34.362	7.3	7.58	1.29	384	1763
DSW18"					Pipeline sheared																			
DSW18"	12/3/09	1007	3.0	93	39	547	0.4	5.1	86	2419	3.0	91	42.4	594		0.75			34.42	7.0	7.60	1.14		
DSW18"	1/14/10	1021	3.1	95	41	572	0.3	4.8	83	2334	3.1	96	42.7	598		0.13			34.56	7.1	7.81	1.48		
DSW18"	2/16/10	1200	2.9	91	42	595	0.3	3.8	78	2202	3.0	94	44.5	623		0.58			34.34	7.2	7.61	1.26		
DSW18"	3/15/10	949	3.1	95	42	593	0.1	1.4	96	2688	3.0	93	44.8	627		0.57			34.34	6.8	7.58	1.26		
DSW18"	4/1/10	908	3.2	98	40	563	0.2	3.1	85	2379	3.1	97	44.3	621		0.23	0.04		34.41	6.7	7.59	1.13		
DSW18"	5/10/10	917	2.9	89	41	574	0.3	4.1	94	2651	2.9	91	42.5	596		0.90	0.08		34.36	7.0	7.56	1.43		
DSW18"	6/23/10	950	2.9	91	43	603	0.1	1.5	90	2530	3.0	91	45.8	642		0.50	0.05		34.37	6.9	7.59	1.34		
DSW18"	7/1/10	1103	2.87	89	43	596	0.2	2.7	85	2389	2.9	90	45.9	643		0.60	0.05		34.27	7.0	7.58	1.46		
DSW18"	8/5/10	1000	2.92	90	42	585	0.0	0.5	90	2520	2.9	89	45.2	633		1.45	0.31		34.31	21.3	7.54	1.45		
DSW18"	9/2/10	1004	2.78	86	42	584	0.2	3.2	80	2241	2.9	89	45.2	634		0.93	0.35		34.33	22.9	7.53	0.85		
DSW18"	10/18/10	949	3.02	93	44	621	0.1	1.4	83	2341	3.1	95	48.1	674		0.30	0.26		34.23	22.2	7.54	1.17		
DSW18"	11/4/10	1012	2.75	85	41	581	0.0	0.5	98	2754	2.8	88	44.1	617		0.50	0.64		34.44	22.0	7.56	1.10		
DSW18"	12/1/10	1019	2.96	92	43	599	0.0	0.6	89	2494	2.9	91	46.9	658		0.23	0.16		34.36	21.7	7.56	1.01		
DSW18"	1/25/11	1006	3.12	97	43	608	0.3	4.4	89	2502	3.1	97	45.4	636		0.60	0.18		34.40	21.1	7.52	2.02		
DSW18"	2/8/11	1014	3.11	96	43	599	0.6	8.4	88	2462	3.2	99	46.8	656		0.63	0.21		34.43	22.1	7.62	1.12		
DSW18"	3/7/11	1112	3.13	97	43	599	0.3	4.7	89	2500	3.2	101	45.6	639		0.68	0.06		34.34	21.9	7.64	1.19		
DSW18"	4/11/11	1135	3.08	95	45	626	0.1	1.3	91	2553	3.1	96	49.1	687		0.62	0.13		34.69	21.5	7.55	1.06		
DSW18"	5/25/11	928	2.91	90	43	600	0.2	2.6	88	2478	2.8	86	46.0	644		0.83	0.26		34.39	22.1	7.60	1.73		
DSW18"	6/13/11	1045	2.86	89	44	615	0.2	3.1	87	2438	2.9	89	46.8	656		0.68	0.10		34.41	21.9	7.58	1.25		
DSW18"	7/21/11	913	3.02	94	42	591	0.2	2.6	88	2476	3.0	93	44.8	627		0.57	0.05		34.30	22.9	7.53	0.99		
DSW18"	8/22/11	1026	2.79	86	42	584	0.0	0.1	92	2571	2.8	86	45.4	635		0.49	0.08		34.40	23.9	7.58	1.19		
DSW18"	9/15/11	1000	2.74	85	40	563	0.1	0.9	85	2390	2.8	86	42.7	597		0.37	0.10		34.38	23.5	7.48	1.46		
DSW18"	10/4/11	818	2.74	85	41	576	0.0	0.3	84	2371	3.0	92	44.1	618		0.24	0.07		34.41	23.6	7.42	1.04		
DSW18"	11/21/11	1227	2.98	92	43	596	0.0	0.6	84	2348	3.0	91	47.5	665		0.30	0.02		34.29	19.2	7.65	0.99		
DSW18"	12/27/11	1041	2.91	90	43	602	0.1	1.3	86	2407	2.9	89	47.6	667		0.16	0.05		34.28	16.4	7.54	1.10		
DSW18"	1/30/12	1042	2.71	84	43	596	0.0	0.1	84	2355	2.8	87	46.7	654		1.08	0.05		34.51	16.9	7.51	1.06		
DSW18"	2/27/12	1042	2.92	90	42	582	0.0	0.1	84	2347	2.7	84	46.3	649		0.49	0.04		34.45	17.1	7.54	1.10		
DSW18"	3/28/12	1024	2.84	88	38	529	0.4	5.0	80	2246	2.7	83	41.4	579		0.52	0.03		34.41	16.1	7.54	0.98		
DSW18"	4/16/12	1034	3.01	93	43	596	0.0	0.3	79	2211	2.9	91	47.2	661		0.51	0.05		34.50	18.0	7.56	0.88		
DSW18"	5/24/12	859	3.20	99	44	616	0.1	1.9	88	2475	3.2	99	47.9	671		0.50	0.05		34.21	7.1	7.51	1.26		
DSW18"	6/19/12	1034	3.04	94	42	593	0.4	6.1	78	2194	2.9	91	45.5	638		0.52	0.05		34.57	6.9	7.66	1.10		

NELHA Water Quality Laboratory

DSW 18"

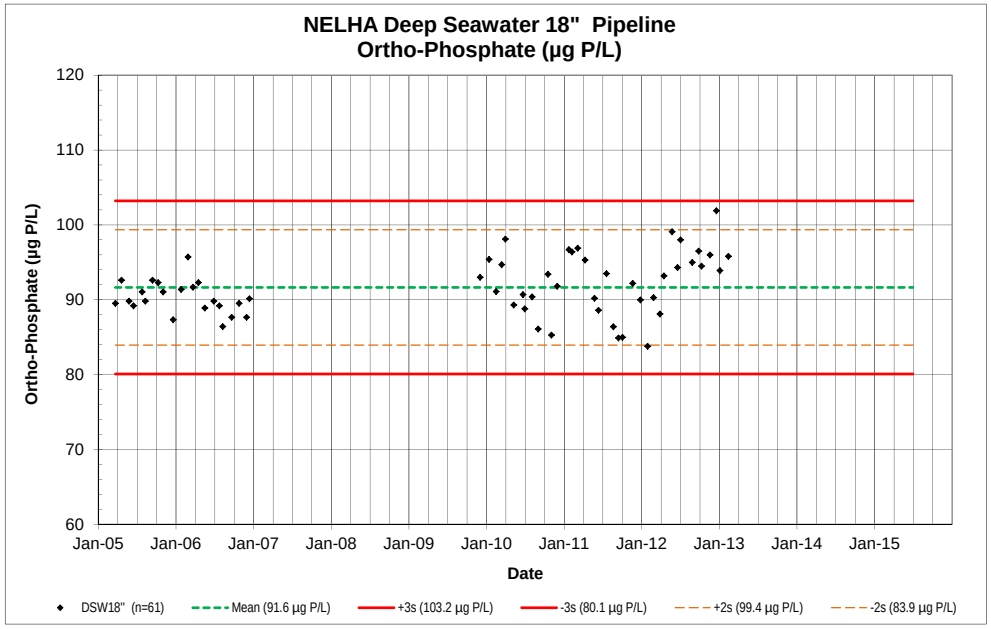
Intake Depth: 628 m, Offshore Pipe Length: 1,834 m

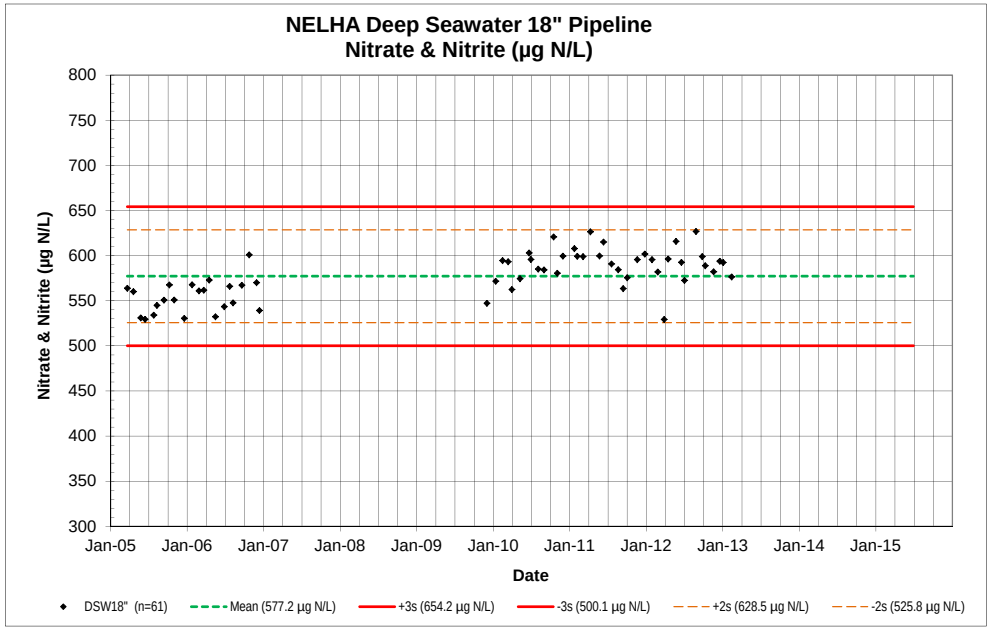
SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW18"	7/3/12	822	3.16	98	41	573	0.2	3.0	78	2182	3.1	97	45.5	637		1.03	0.02		34.48	7.1	7.45	1.35		
DSW18"	8/27/12	1112	3.07	95	45	627	0.2	3.0	91	2565	3.0	94	47.4	664		1.08	0.06		34.41	6.5	7.55	1.29		
DSW18"	9/26/12	1055	3.12	97	43	599	0.2	2.6	93	2611	3.1	97	46.1	645		0.69	0.03		34.46	6.2	7.44	1.35		
DSW18"	10/10/12	1005	3.05	95	42	589	0.1	2.1	89	2490	3.0	94	45.7	640		0.52	0.10		34.44	6.4	7.48	1.30		
DSW18"	11/19/12	1331	3.10	96	42	582	0.1	1.5	90	2517	3.2	99	46.2	648		0.53	0.02		34.33	6.8	7.62	1.41		
DSW18"	12/19/12	954	3.29	102	42	594	0.2	2.8	90	2538	3.3	101	45.3	634		0.70	0.02		34.31	6.7	7.56	1.46		
DSW18"	1/4/13	1025	3.03	94	42	592	0.1	0.9	90	2534	3.0	93	44.5	623		0.42	0.02		34.42	6.8	7.62	1.46		
DSW18"	2/13/13	1033	3.09	96	41	576	0.0	0.1	81	2280	3.1	96	42.5	596		0.55	0.02		34.36	6.9	7.56	1.72		
DSW18"	3/18/13	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	4/3/13	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	5/29/13	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	6/13/13	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	7/1/13	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	8/14/13	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	9/18/13	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	10/10/13	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	11/21/13	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	12/23/13	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	1/23/14	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	2/12/14	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	3/17/14	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	4/10/14	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	5/13/14	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	6/24/14	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	7/23/14	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	8/11/14	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	9/29/14	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	10/1/14	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	11/25/14	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	12/30/14	No Sample - 18" DSW Pump Broken - Leaking Gate Valve Replaced																						
DSW18"	1/1/15																							
DSW18"	2/1/15																							
DSW18"	3/1/15																							
DSW18"	4/1/15																							
DSW18"	5/1/15																							
DSW18"	6/1/15																							
DSW18"	7/1/15																							
Mean (Mar. '05 - present)			3.0	92	41	577	0.20	2.8	84	2366	3.0	94	44	614	0.63	0.84	0.11	2.41	34.37	7.19	7.57	1.26	101	618
STD DEV			0.1	4	2	26	0.13	1.8	6	155	0.1	5	3	42	0.07	0.61	0.13	0.25	0.08	0.33	0.06	0.21	126	1279
Range																								
UWL	+2s		3.21	99	45	629	0.46	6.4	95	2676	3.3	103	49.8	698	0.76	2.06	0.36	2.91	34.535	7.8	7.69	1.67		
LWL	-2s		2.71	84	38	526	-0.06	-0.8	73	2056	2.7	85	37.8	530	0.49	-0.37	-0.15	1.91	34.209	6.5	7.46	0.84		
UCL	+3s		3.33	103	47	654	0.59	8.2	101	2831	3.5	108	52.8	740	0.82	2.67	0.49	3.17	34.616	8.2	7.75	1.88		
LCL	-3s		2.59	80	36	500	-0.19	-2.7	68	1901	2.6	80	34.8	488	0.43	-0.98	-0.27	1.65	34.127	6.2	7.40	0.63		
Data																								
Max. Value			3.3	102	45	627	0.60	8.4	98	2754	3.4	107	49.1	687	0.78	4.10	0.64	3.00	34.690	23.9	7.81	2.02	460	5888
Min. Value			2.7	84	38	529	0.01	0.1	72	2019	2.7	83	36.1	506	0.56	0.13	0.02	1.94	34.210	6.2	7.42	0.85	5	42

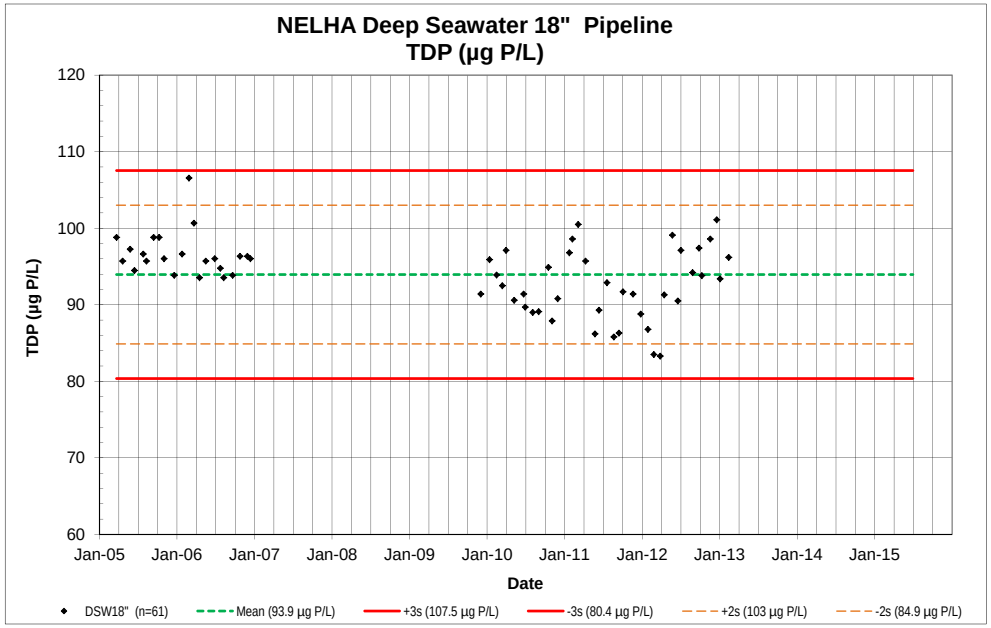
NELHA Water Quality Laboratory

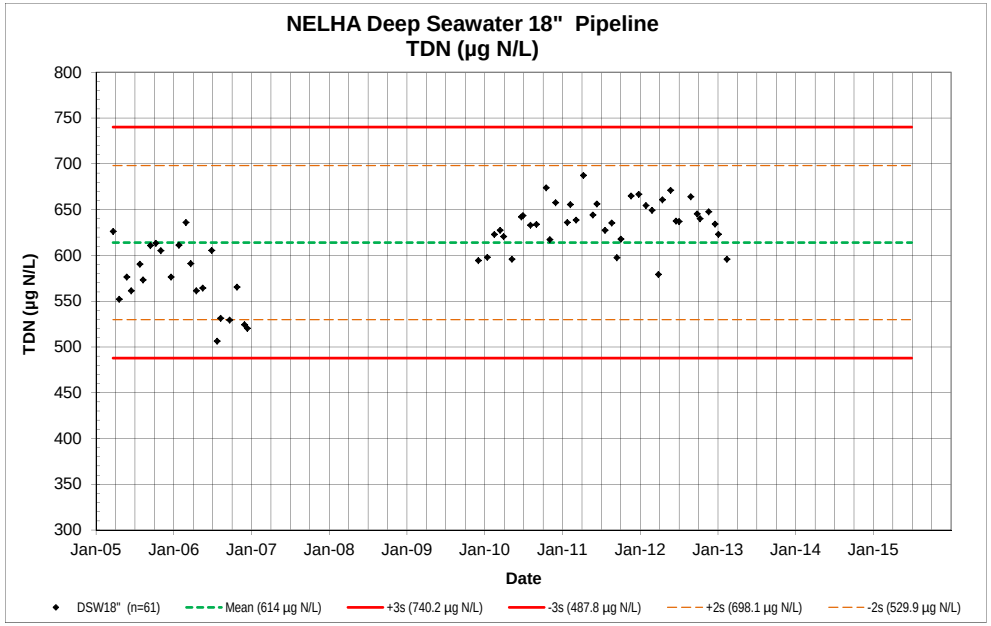
DSW 18" KP

Intake Depth: 628 m, Offshore Pipe Length: 1834 m





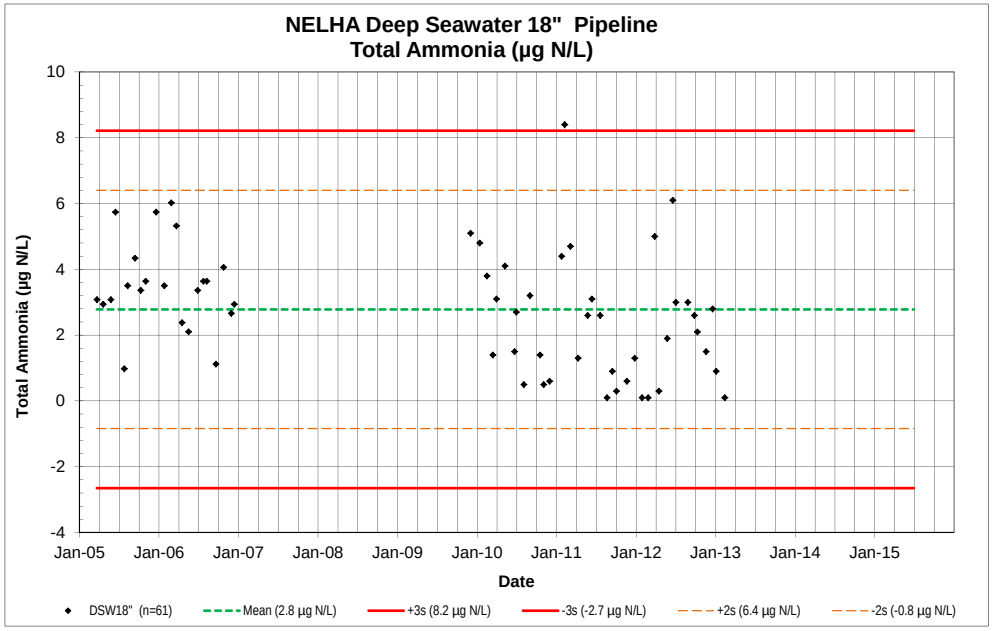


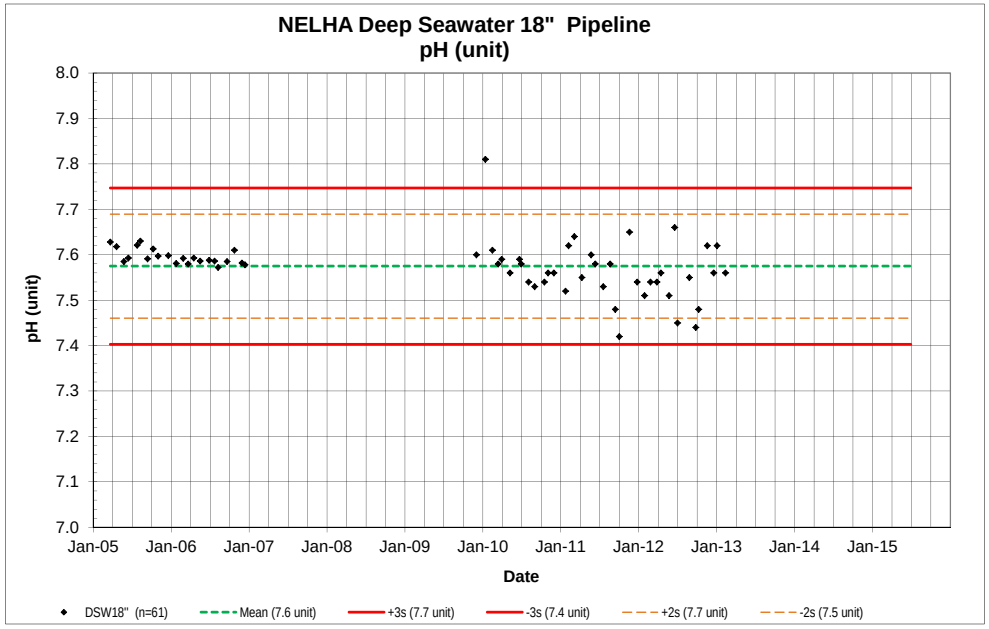


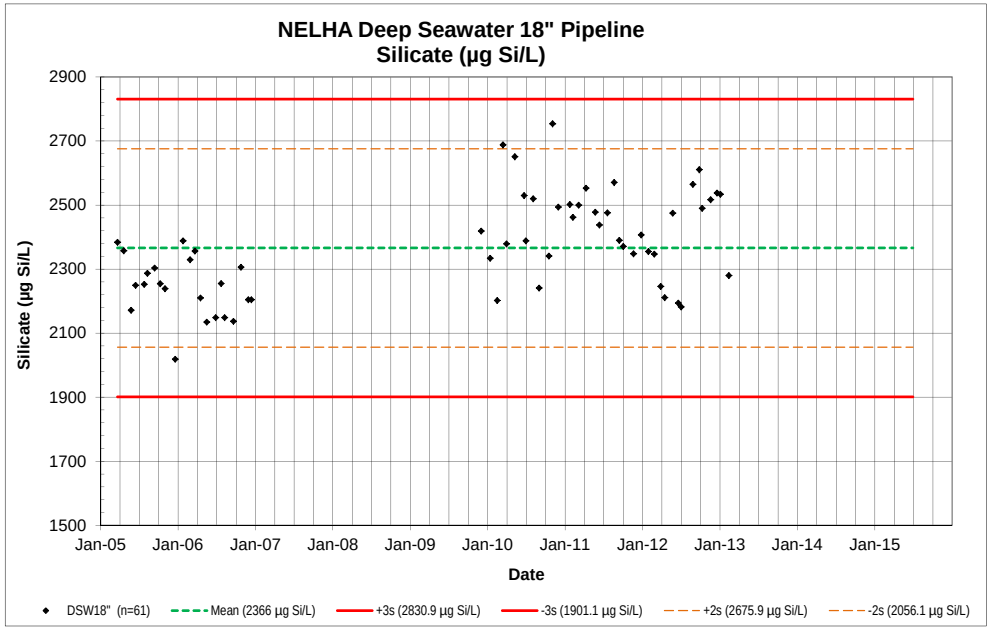
NELHA Water Quality Laboratory

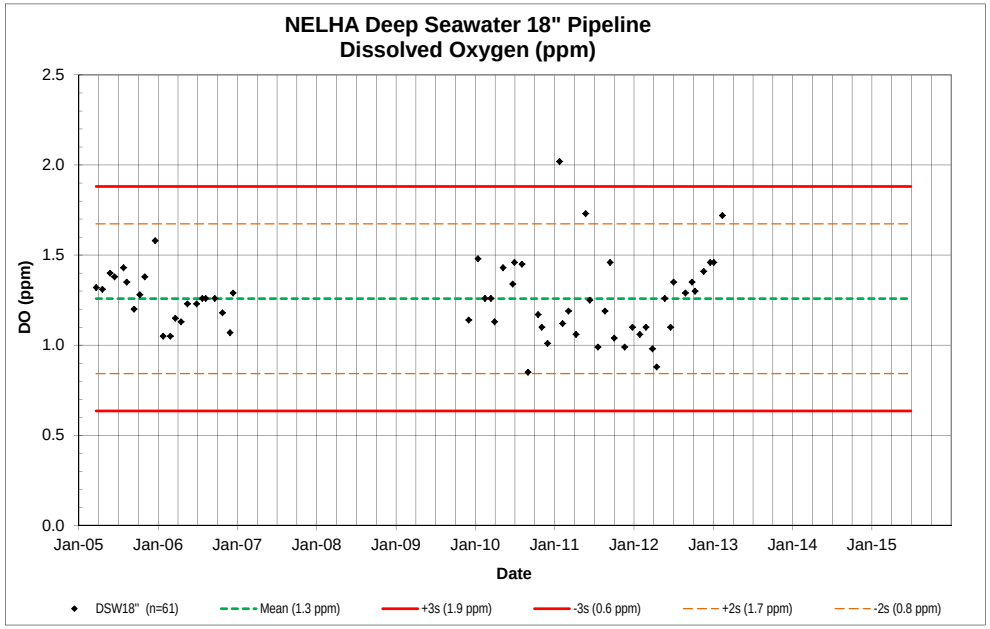
DSW 18" KP

Intake Depth: 628 m, Offshore Pipe Length: 1834 m





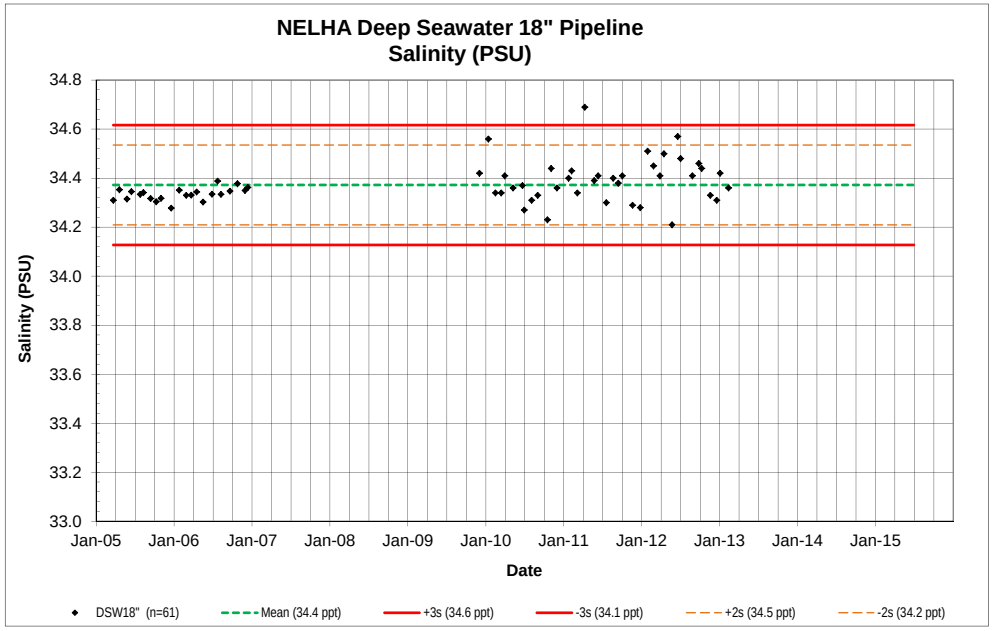


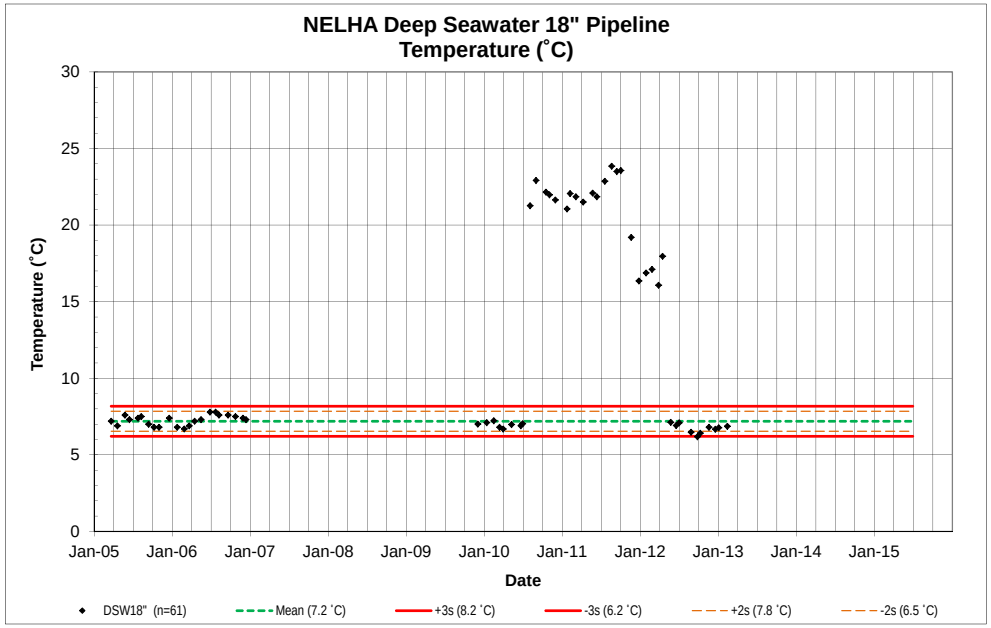


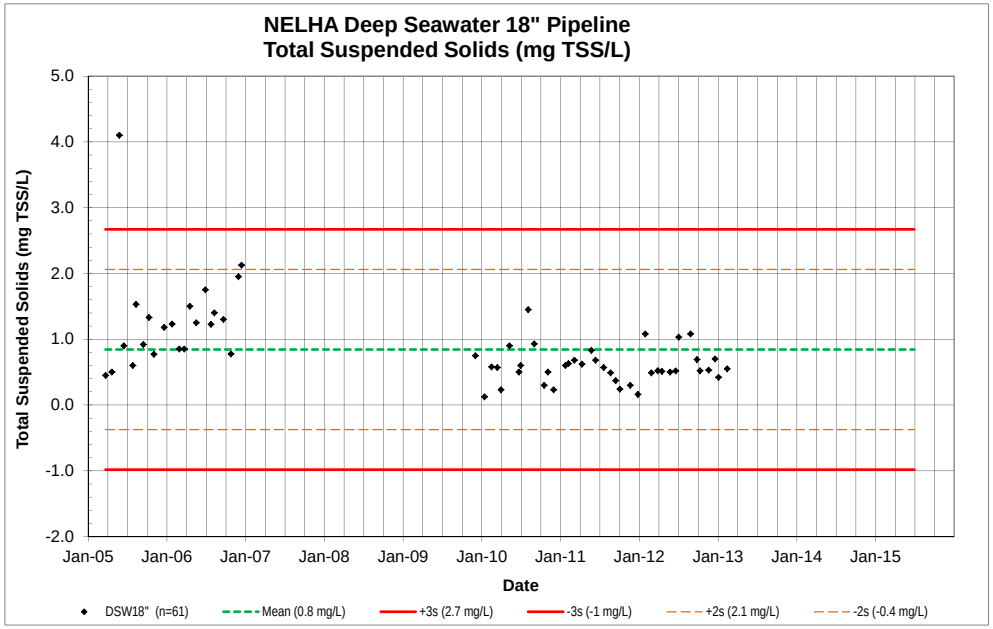
NELHA Water Quality Laboratory

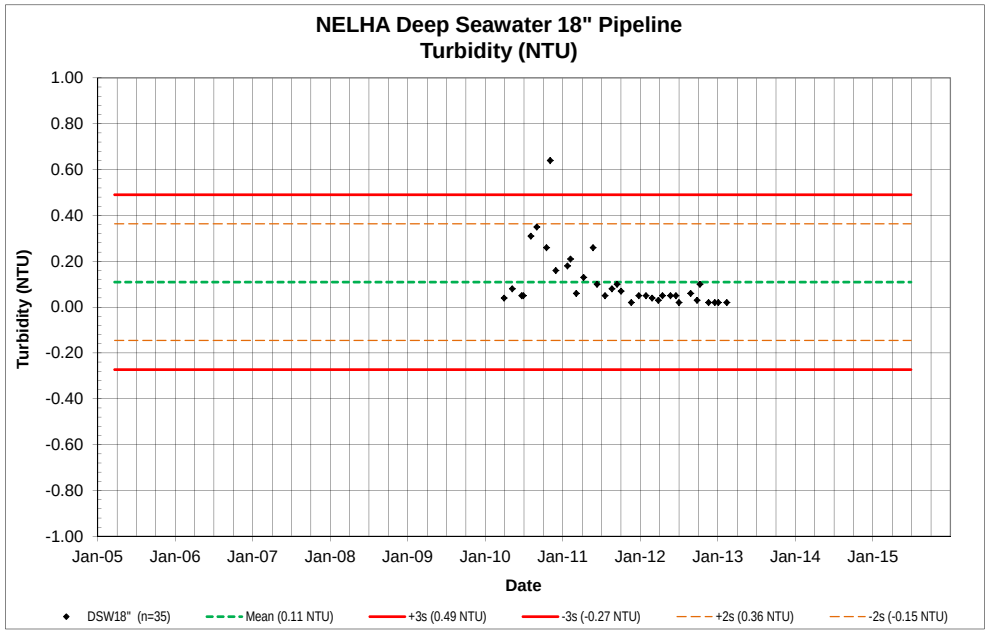
DSW 18" KP

Intake Depth: 628 m, Offshore Pipe Length: 1834 m









NELHA Water Quality Laboratory

DSW 55"

Intake Depth: 915 m, Offshore Pipe Length: 3,124 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW 55"	8/11/05	920	3.0	94	41	568	0.27	3.8	105	2946	3.2	99	43	604		1.75		2.39	34.469	5.8	7.65	1.45	43	309
DSW 55"	9/14/05	940	3.1	96	41	578	0.33	4.6	106	2971	3.3	102	44	610		1.48		2.39	34.479	5.5	7.61	1.50	21	50800
DSW 55"	10/10/05	1025	3.1	96	43	603	0.23	3.2	109	3064	3.3	102	46	644	0.74	1.55		2.41	34.498	5.1	7.64	1.64	6	5854
DSW 55"	11/2/05	927	3.1	95	43	597	0.27	3.8	106	2974	3.3	101	45	628	0.56	1.03		2.58	34.491	5.4	7.62	1.59	147	247
DSW 55"	12/20/05	920	3.1	95	42	589	0.38	5.3	105	2952	3.2	100	45	625	0.51	1.20		2.63	34.461	5.5	7.63	1.69	35	189
DSW 55"	1/26/06	937	3.0	94	41	576	0.25	3.5	108	3019	3.2	98	43	600		1.65		2.25	34.468	5.8	7.60	1.47	27	564
DSW 55"	2/28/06	1036	3.2	98	41	578	0.34	4.8	103	2893	3.6	110	45	635		1.08		2.18	34.465	5.8	7.61	1.48	143	400
DSW 55"	3/23/06	1016	3.0	94	41	571	0.45	6.3	103	2893	3.2	99	43	605		0.85		2.24	34.469	5.7	7.60	1.39	18	122
DSW 55"	4/18/06	1044	3.1	95	42	584	0.19	2.7	103	2893	3.1	96	42	588	0.56	1.40		2.36	34.466	5.7	7.63	1.48	788	1011
DSW 55"	5/18/06	1040	3.1	96	42	581	0.21	2.9	106	2977	3.3	103	43	595	0.56	1.60		2.34	34.472	6.0	7.60	1.39	29	156
DSW 55"	6/29/06	920	3.1	96	41	581	0.27	3.8	100	2809	3.2	99	41	568	0.63	1.65		2.06	34.467	5.8	7.60	1.31	51	203
DSW 55"	7/25/06	1032	3.0	92	42	587	0.25	3.5	99	2772	3.2	98	40	558	0.58	1.08		1.79	34.483	6.5	7.59	1.52	136	533
DSW 55"	8/10/06	1056	2.9	90	41	576	0.27	3.8	97	2719	3.1	97	40	555	0.62	0.83		2.06	34.403	6.5	7.59	1.54	113	302
DSW 55"	9/21/06	1054	3.0	91	43	605	0.08	1.1	99	2789	3.0	94	40	558	0.55	1.03		2.02	34.480	5.4	7.59	1.41	15	44
DSW 55"	10/26/06	1034	3.0	92	44	616	0.27	3.8	98	2764	3.2	99	43	601	0.56	0.95		2.51	34.470	6.0	7.61	1.38	61	297
DSW 55"	11/30/06	1059	3.0	92	41	580	0.22	3.1	99	2766	3.2	98	40	558	0.56	1.58		2.50	34.478	6.0	7.60	1.34	22	67
DSW 55"	12/14/06	1110	3.0	94	40	566	0.29	4.1	96	2685	3.2	100	40	558	0.55	1.25		2.43	34.461	5.8	7.59	1.28	13	47
DSW 55"	1/11/07	1027	3.0	94	43	597	0.36	5.0	98	2752	3.2	100	45	636	0.60	2.13		2.41	34.476	5.8	7.60	1.35	94	736
DSW 55"	2/15/07	1045	3.1	95	42	590	0.44	6.2	98	2755	3.4	104	45	625	0.62	1.43		2.38	34.480	6.1	7.62	1.35	26	158
DSW 55"	3/8/07	1045	3.0	92	44	619	0.25	3.5	102	2865	3.2	99	45	629	0.55	1.78		2.39	34.470	6.1	7.62	1.40	43	256
DSW 55"	4/12/07	1100	2.9	89	39	545	0.23	3.2	98	2758	3.1	97	40	557	0.58	1.28		2.28	34.481	6.0	7.62	1.37	105	1803
DSW 55"	5/9/07	1045	3.0	93	50	705	0.24	3.4	99	2780	3.4	104	42	594	0.65	0.90		2.07	34.472	5.8	7.62	1.47	30	128
DSW 55"	6/27/07	1025	3.0	94	46	642	0.01	0.1	91	2552	3.1	96	50	701		1.23		2.55	34.474	6.2	7.63	1.34	178	1378
DSW 55"	7/30/07	1335	3.1	96	45	636	0.11	1.5	96	2700	2.5	77	42	587		1.15		2.52	34.650	5.5	7.61	1.58		
DSW 55"	8/30/07	907	3.0	93	44	622	0.01	0.1	90	2533	2.6	79	43	603		1.00		2.47	34.506	5.9	7.81	1.47		
DSW 55"	9/24/07	952	3.0	93	45	629	0.05	0.7	96	2705	2.4	73	49	690		1.03		1.99	34.680	5.6	7.96	1.56		
DSW 55"	10/30/07	1353	3.0	92	43	608	0.01	0.1	99	2783	2.6	80	49	682		0.73		2.60	34.484	5.6	7.49	1.50		
DSW 55"	11/27/07	1416	3.2	98	49	685	0.69	9.6	95	2670	3.3	102	52	734		0.83		2.54	34.522	5.3	7.63	1.84		
DSW 55"	12/31/07	1105	2.7	83	40	562	0.66	9.3	69	1926	3.2	100	50	694		0.40		2.53	34.482	5.5	7.65	1.61		
DSW 55"	1/30/08	902	2.9	89	43	603	0.55	7.7	88	2474	3.0	93	47	662		0.75		2.42	34.500	5.6	7.70	2.25		
DSW 55"	2/28/08	1306	2.9	89	42	590	0.05	0.7	90	2529	2.6	79	42	587		0.68		2.72	34.490	5.4	7.63	1.67		
DSW 55"	3/31/08	1117	2.9	91	44	613	0.05	0.7	90	2536	2.6	81	44	620		1.35		2.50	34.560	5.4	7.55	1.55		
DSW 55"	4/25/08	855	2.8	86	NA	NA	0.15	2.1	97	2715	2.6	81	41	579		0.48		2.48	34.478	5.6	7.62	1.62		
DSW 55"	5/23/08	1210	2.6	81	43	605	0.49	6.9	NA	NA	2.4	73	45	637		0.65		2.43	34.450	5.7	7.71	1.68		
DSW 55"	6/10/08	1105	2.6	80	41	576	0.18	2.5	89	2507	2.4	75	43	598		0.53		NA	34.450	5.4	7.65	1.74		
DSW 55"	7/18/08	1018	2.6	81	43	605	0.09	1.3	95	2676	2.1	65	42	594		0.30			34.56	5.6	7.89	1.59		
DSW 55"	8/30/08	1121	2.7	84	41	581	0.43	6.0	91	2543	2.8	86	50	698		0.40			34.441	5.2	7.74	1.32		
DSW 55"	9/8/08	920	2.6	82	42	582	0.15	2.1	89	2512	2.3	72	45	632		0.45			34.50	5.6	7.66	NA		
DSW 55"	10/23/08	1029	2.7	83	42	583	0.39	5.5	85	2377	2.8	86	48	678		0.48			34.55	6.4	7.71	1.61		
DSW 55"	11/28/08	1012	3.0	92	44	616	0.32	4.5	94	2649	2.7	85	47	656		0.30			34.52	5.7	7.68	1.66		
DSW 55"	12/30/08	919	2.7	83	43	599	0.33	4.6	89	2509	2.7	85	45	633		0.36			34.59	5.5	7.65	1.88		
DSW 55"	1/12/09	1134	3.0	92	42	592	0.12	1.7	92	2594	2.9	91	47	656		0.70			34.43	5.1	7.63	1.59		
DSW 55"	2/20/09	1044	2.5	78	41	575	0.31	4.3	94	2651	2.9	90	46	639		0.92	0.06		34.72	6.1	7.46	1.56		
DSW 55"	3/30/09	1047	2.2	67	35	493	0.11	1.6	74	2072	2.4	73	38	535		0.25			34.69	5.6	7.69	1.55		
DSW 55"	4/30/09	949	3.0	92	39	542	0.55	7.7	83	2340	2.4	76	46	648		0.27			34.53	5.4	7.65	1.62		
DSW 55"	5/15/09	1338	3.3	102	42	587	0.19	2.7	88	2479	3.5	108	47	654		0.21			34.63	5.6	7.62	1.66		
DSW 55"	6/10/09	949	3.2	98	40	566	0.16	2.2	92	2596	3.1	95	42	586		0.21			34.51	6.1	7.63	1.50		
DSW 55"	7/10/09	1005	2.4	76	28	393	0.42	5.9	66	1845	2.2	70	32	452		0.44			34.69	5.2	7.65	1.44		
DSW 55"	8/27/09	1057	2.9	89	36	499	0.19	2.7	96	2693	2.6	80	40	558		0.37	0.02		34.65	5.2	8.26	1.40		
DSW 55"	9/17/09	952	2.3	71	34	480	0.23	3.2	54	1512	2.6	82	35	491		0.78	0.05		34.65	5.7	8.19	1.55		
DSW 55"	10/26/09	1009	3.0	94	45	637	0.09	1.3	105	2953	3.2	98	44	622		0.46			34.56	5.3	7.60	1.53		
DSW 55"	11/19/09	1345	3.1	97	41	570	0.50	7.0	105	2945	3.1	96	44	616		0.50			34.67	5.6	7.51	1.30		
DSW 55"	12/3/09	1017	3.1	96	41	568	0.44	6.1	106	2976	3.0	93	43	606		0.78			34.58	5.2	7.67	1.66		
DSW 55"	1/14/10	1032	3.2	98	42	595	0.24	3.3	102	2873	3.2	99	44	620		0.60			34.60	5.5	7.66	1.59		
DSW 55"	2/16/10	1207	3.1	96	45	626	0.29	4.1	107	3008	3.2	98	47	652		1.05			34.44	5.0	7.62	1.64		
DSW 55"	3/15/10	1030	3.1	96	44	610	0.10	1.4	112	3159	3.1	96	45	635		0.73	0.02		34.47	5.3	7.58	1.96		
DSW 55"	4/1/10	919	3.2	100	42	583	0.06	0.9	114	3210	3.3	102	43	605		0.18	0.08		34.52	5.2	7.59	1.98		
DSW 55"	5/10/10	942	3.0	93	43	600	0.32	4.5	112	3156	3.1	95	46	649		0.55	0.05		34.44	5.5	7.59	1.79		
DSW 55"	6/23/10	1013	3.0	93	44	620	0.18	2.5	109	3048	3.0	92	46	640		0.27	0.06		34.51	5.5	7.61	2.05		

NELHA Water Quality Laboratory

DSW 55"

Intake Depth: 915 m, Offshore Pipe Length: 3,124 m

SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW 55"	7/1/10	1120	3.0	92	44	610	0.08	1.1	106	2987	3.0	94	47	662		0.58	0.04		34.37	5.4	7.61	1.96		
DSW 55"	8/5/10	1016	3.0	94	42	588	0.04	0.6	102	2866	3.0	93	44	622		0.70	0.02		34.52	6.0	7.57	1.56		
DSW 55"	9/2/10	1052	3.0	93	43	608	0.34	4.8	97	2734	3.2	98	46	647		0.80	0.02		34.42	6.5	7.57	1.62		
DSW 55"	10/18/10	1002	3.2	98	45	623	0.20	2.8	100	2817	3.3	101	48	669		0.43	0.07		34.33	5.9	7.58	1.92		
DSW 55"	11/4/10	1025	3.0	92	43	601	0.04	0.5	98	2754	3.1	95	45	632		0.45	0.03		34.51	5.7	7.61	1.59		
DSW 55"	12/1/10	1029	3.0	93	44	613	0.01	0.1	108	3020	3.0	93	48	670		0.30	0.04		34.40	5.4	7.56	1.57		
DSW 55"	1/25/11	1016	3.2	98	44	619	0.26	3.6	103	2892	3.2	98	50	703		0.50	0.05		34.47	5.5	7.54	1.54		
DSW 55"	2/8/11	1023	3.2	99	44	614	0.36	5.0	103	2879	3.3	101	46	648		0.68	0.06		34.51	5.4	7.63	1.68		
DSW 55"	3/7/11	1126	3.2	100	44	611	0.33	4.6	107	3000	3.2	101	46	638		0.50	0.05		34.40	5.2	7.61	1.90		
DSW 55"	4/11/11	1146	3.1	95	46	643	0.09	1.2	105	2961	3.2	99	50	706		0.59	0.04		34.77	5.3	7.61	1.53		
DSW 55"	5/25/11	938	3.0	94	43	604	0.19	2.6	107	2992	3.1	95	46	644		0.62	0.05		34.48	5.4	7.63	2.75		
DSW 55"	6/13/11	1058	3.0	94	45	637	0.10	1.4	108	3025	3.1	95	48	677		0.59	0.04		34.52	5.2	7.61	1.96		
DSW 55"	7/21/11	935	3.2	100	43	608	0.12	1.7	106	2987	3.2	100	45	635		0.64	0.02		34.46	5.2	7.56	1.67		
DSW 55"	8/22/11	1054	3.1	96	43	605	0.03	0.4	110	3076	3.1	96	46	641		0.62	0.02		34.44	4.9	7.58	2.01		
DSW 55"	9/15/11	1011	3.0	94	41	570	0.10	1.4	98	2746	3.0	93	43	596		0.19	0.02		34.34	5.6	7.58	1.60		
DSW 55"	10/4/11	844	3.0	94	43	599	0.02	0.3	101	2833	3.1	95	45	624		0.47	0.02		34.63	5.4	7.62	1.71		
DSW 55"	11/21/11	1238	3.1	96	44	619	0.01	0.1	103	2895	3.1	96	47	663		0.20	0.02		34.47	5.2	7.63	1.66		
DSW 55"	12/27/11	1051	3.0	92	44	616	0.11	1.6	105	2962	3.0	94	47	661		0.42	0.12		34.32	5.1	7.62	1.59		
DSW 55"	1/30/12	1055	2.9	90	44	621	0.03	0.4	100	2797	2.9	91	47	655		0.31	0.05		34.48	5.2	7.63	1.65		
DSW 55"	2/27/12	1058	3.0	94	43	602	0.01	0.1	98	2747	2.9	89	47	665		0.49	0.03		34.51	5.3	7.55	1.40		
DSW 55"	3/28/12	1044	3.0	92	39	550	0.21	3.0	92	2593	2.8	87	43	602		0.48	0.02		34.49	5.2	7.57	1.45		
DSW 55"	4/16/12	1045	3.2	100	44	616	0.04	0.6	97	2727	3.2	98	48	673		4.31	0.04		34.50	5.3	7.59	1.40		
DSW 55"	5/23/12	911	3.2	100	45	633	0.11	1.6	101	2838	3.2	99	48	665		0.44	0.03		34.33	5.5	7.56	1.81		
DSW 55"	6/19/12	1050	3.1	95	44	611	0.31	4.3	95	2658	3.1	95	46	646		0.42	0.02		34.63	5.3	7.65	1.86		
DSW 55"	7/3/12	837	3.2	99	43	605	0.24	3.4	99	2778	3.2	99	45	634		1.10	0.06		34.64	5.4	7.57	1.68		
DSW 55"	8/27/12	1125	3.1	95	45	627	0.14	1.9	110	3079	3.3	101	50	702		0.52	0.03		34.50	5.0	7.56	1.56		
DSW 55"	9/26/12	1114	3.2	98	44	616	0.51	7.2	111	3125	3.2	100	47	661		0.88	0.05		34.51	4.7	7.47	1.69		
DSW 55"	10/10/12	1019	3.1	96	44	610	0.13	1.8	109	3070	3.2	99	47	661		0.57	0.02		34.58	4.9	7.52	1.64		
DSW 55"	11/19/12	1345	3.2	99	43	606	0.18	2.5	107	2995	3.2	100	45	625		0.55	0.02		34.43	4.9	7.62	1.73		
DSW 55"	12/19/12	1005	3.4	104	44	613	0.14	2.0	108	3044	3.4	104	46	645		0.61	0.03		34.43	5.1	7.58	1.78		
DSW 55"	1/4/13	1037	3.1	95	44	614	0.19	2.7	107	2996	3.1	96	45	635		0.60	0.02		34.47	5.2	7.63	1.88		
DSW 55"	2/13/13	1047	3.1	98	43	596	0.01	0.1	99	2779	3.2	99	45	633		0.49	0.02		34.47	5.2	7.59	2.10		
DSW 55"	3/18/13	1149	3.4	105	47	660	0.41	5.8	108	3039	3.4	105	48	679		0.74	0.02		34.53	4.8	7.59	2.00		
DSW 55"	4/3/13	1252	3.1	96	44	614	0.09	1.3	103	2883	3.1	96	46	641		0.55	0.03		34.60	5.0	7.61	2.08		
DSW 55"	5/29/13	941	3.5	107	47	656	0.20	2.8	110	3086	3.3	103	50	696		0.61	0.02		34.56	5.1	7.58	1.87		
DSW 55"	6/13/13	1110	3.1	97	42	590	0.34	4.7	99	2781	3.0	93	43	608		0.51	0.05		34.66	5.2	7.55	1.71		
DSW 55"	7/1/13	1015	3.1	97	45	624	0.15	2.1	106	2972	3.1	98	47	659		0.62	0.02		34.43	5.1	7.62	2.43		
DSW 55"	8/14/13	1043	3.1	95	44	622	0.09	1.3	101	2842	3.0	94	46	638		0.50	0.02		34.36	5.2	7.55	1.69		
DSW 55"	9/18/13	846	3.1	95	43	606	0.08	1.1	102	2863	3.0	94	45	632		0.47	0.02		34.46	5.5	7.48	2.52		
DSW 55"	10/10/13	1105	3.1	95	43	607	0.26	3.6	100	2808	3.0	93	45	628		0.49	0.02		34.59	5.4	7.56	1.64		
DSW 55"	11/21/13	1042	3.1	96	45	625	0.29	4.1	102	2858	3.1	95	46	649		0.38	0.02		34.58	5.1	7.54	1.79		
DSW 55"	12/23/13	1003	3.0	93	42	584	0.36	5.0	100	2804	2.9	90	42	589		0.72	0.02		34.60	5.2	7.58	1.74		
DSW 55"	1/23/14	1230	3.0	94	44	616	0.20	2.8	104	2930	3.0	92	46	639		1.24	0.02		34.55	5.1	7.58	1.93		
DSW 55"	2/12/14	1134	3.0	94	45	624	0.25	3.5	106	2984	3.0	92	45	630		0.60			34.41	4.8	7.58	2.18		
DSW 55"	3/17/14	1052	2.9	90	44	612	0.16	2.3	100	2815	3.1	95	45	635		0.88	0.02		34.54	5.1	7.58	1.78		
DSW 55"	4/10/14	954	3.1	95	45	630	0.32	4.5	103	2879	3.0	93	46	640		0.81	0.04		34.44	5.2	7.58	1.90		
DSW 55"	5/13/14	1334	3.0	91	44	621	0.26	3.7	104	2911	3.0	92	46	640		0.68	0.02		34.55	5.0	7.58	2.47		
DSW 55"	6/24/14	1111	3.1	97	45	637	0.29	4.1	95	2655	3.3	103	47	656		0.82	0.04		34.41	5.1	7.62	1.90		
DSW 55"	7/23/14	1138	3.2	98	43	604	0.51	7.1	102	2868	3.1	95	45	630		0.66	0.12		34.60	5.2	7.59	1.98		
DSW 55"	8/11/14	1203	2.3	71	38	539	0.31	4.4	87	2433	2.3	72	40	554		0.76	0.09		34.56	5.4	7.54	1.75		
DSW 55"	9/29/14	1123	3.3	102	44	616	0.44	6.2	83	2328	3.3	103	46	648		0.88	0.10		34.57	5.1	7.56	1.97		
DSW 55"	10/15/14	1234	3.1	97	45	628	0.33	4.6	101	2831	3.1	96	46	650		0.70	0.04		34.48	5.1	7.67	1.79		
DSW 55"	11/25/14	1251	3.2	98	46	639	0.10	1.4	100	2805	3.1	97	49	689		0.69	0.03		34.52	5.2	7.60	1.77		
DSW 55"	12/30/14	1005	3.1	97	43	600	0.20	2.8	102	2869	3.1	97	49	689		0.76	0.10		34.48	5.0	7.56	1.93		
DSW 55"	1/1/15																							
DSW 55"	2/1/15																							
DSW 55"	3/1/15																							
DSW 55"	4/1/15																							
DSW 55"	5/1/15																							
DSW 55"	6/1/15																							

NELHA Water Quality Laboratory

DSW 55"

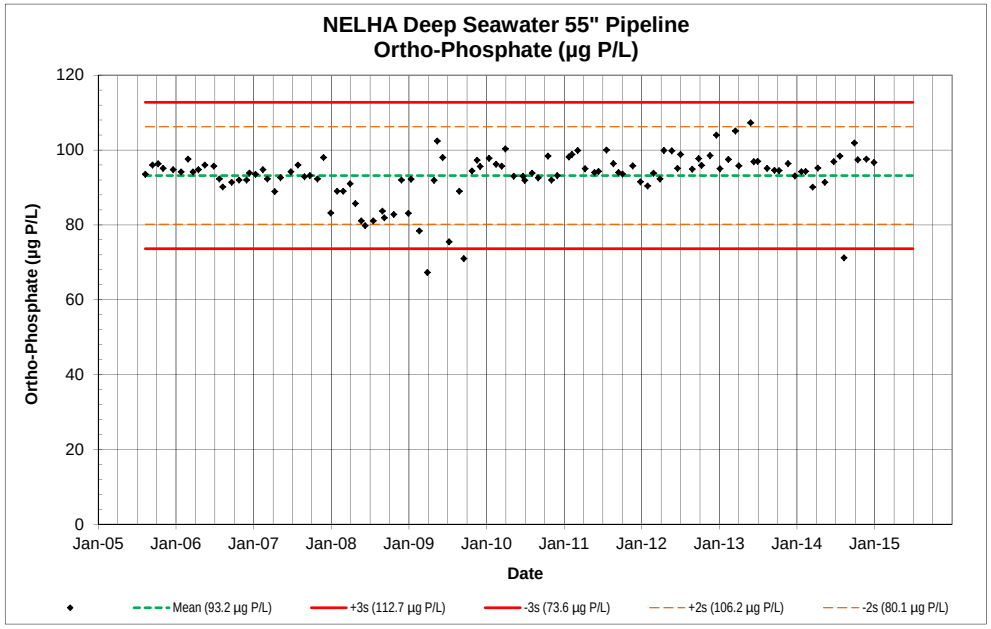
Intake Depth: 915 m, Offshore Pipe Length: 3,124 m

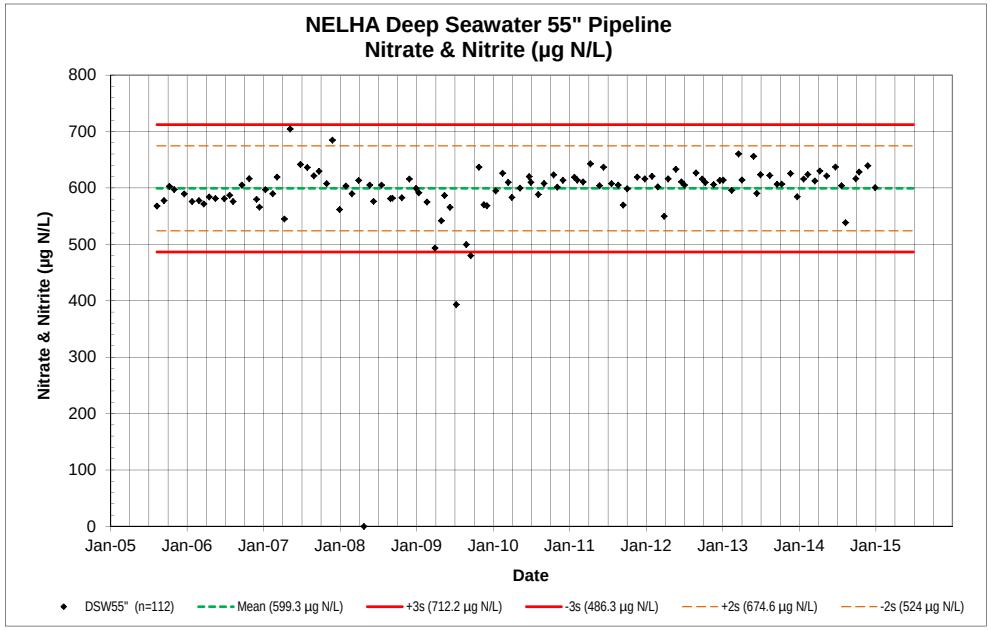
SITE ID	DATE	TIME	PO_4^{3-}		$NO_3^- \& NO_2^-$		$NH_4^+ \& NH_3$		Si		TDP		TDN		TOC	TSS	Turbidity	ALK	SALINITY	TEMP	pH	DO	Vibrio	Total Count
	M/D/Y	(2400)	(µM)	(µg P/L)	(µM)	(µg N/L)	(µM)	(µg N/L)	(µM)	(µg Si/L)	(µM)	(µg P/L)	(µM)	(µg N/L)	(mgC/L)	(mg/L)	(NTU)	(mEq/L)	(PSU)	(˚C)	(unit)	(ppm)	CFU/100mL	Marine Agar CFU/100mL
DSW 55"	7/1/15																							
Mean (Aug. '05 - present)			3.0	93	42.8	599	0.2	3.2	99.1	2783	3.0	94	45.0	630	0.6	0.78	0.04	2.37	34.51	5.45	7.62	1.69		
STD DEV			0.2	7	2.7	38	0.2	2.1	9.4	263	0.3	9	3.2	44	0.05	0.52	0.03	0.21	0.08	0.38	0.10	0.27		
Range																								
UWL	+2s		3.4	106	48	675	0.53	7.4	118	3309	3.6	111	51	719	0.69	1.82	0.09	2.78	34.676	6.2	7.83	2.22		
LWL	-2s		2.6	80	37	524	-0.07	-1.0	80	2257	2.4	76	39	542	0.48	-0.26	-0.01	1.95	34.339	4.7	7.41	1.15		
UCL	+3s		3.6	113	51	712	0.68	9.5	127	3572	3.9	120	54	763	0.74	2.33	0.12	2.99	34.761	6.6	7.94	2.49		
LCL	-3s		2.4	74	35	486	-0.22	-3.1	71	1994	2.2	67	36	498	0.43	-0.78	-0.04	1.74	34.254	4.3	7.31	0.88		
Data																								
Max. Value			3.5	107	50	705	0.69	9.6	114	3210	3.6	110	52	734	0.7	4.31	0.12	2.72	34.770	6.5	8.26	2.75		
Min. Value			2.2	67	28	393	0.01	0.1	54	1512	2.1	65	32	452	0.5	0.18	0.02	1.79	34.320	4.7	7.46	1.28		

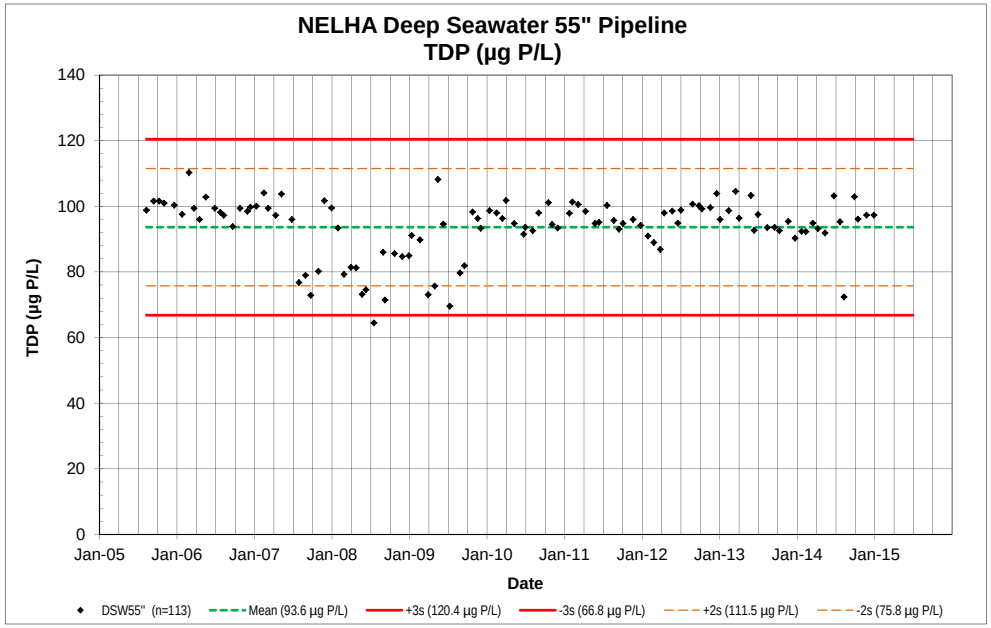
NELHA Water Quality Laboratory

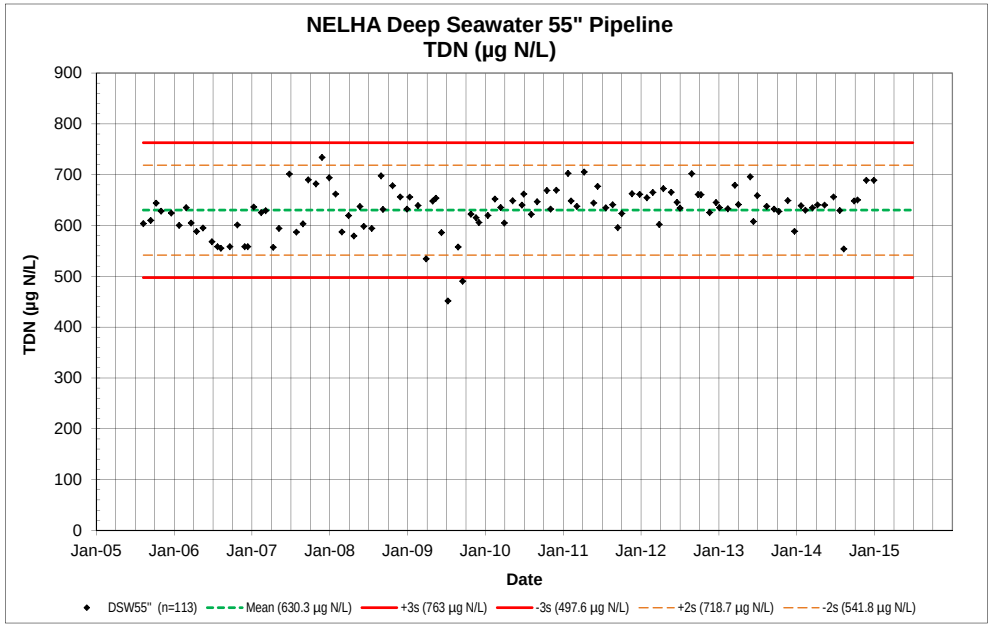
DSW 55"

Intake Depth: 915 m, Offshore Pipe Length: 3,124 m





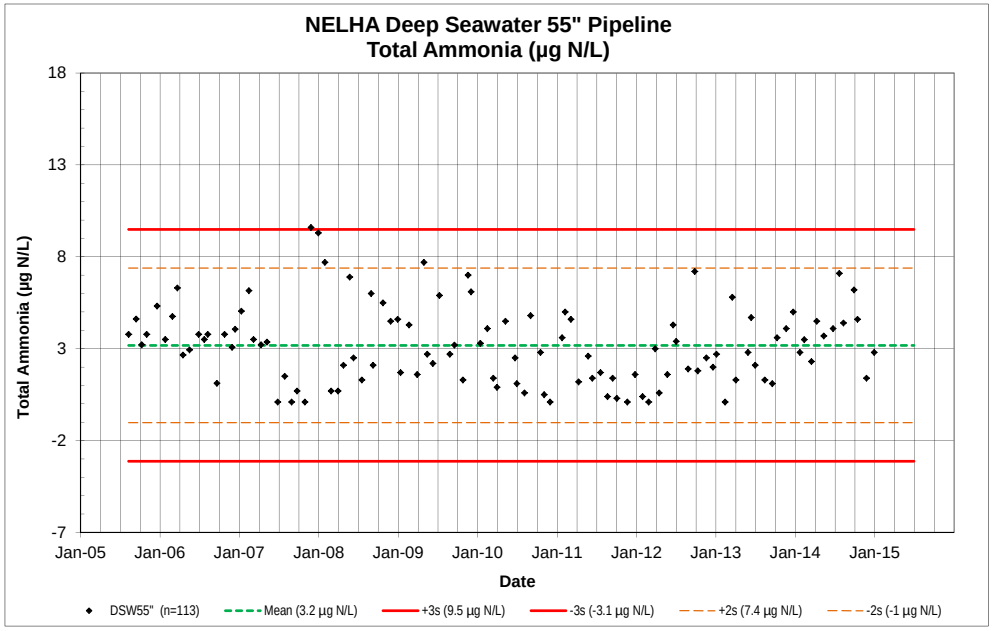


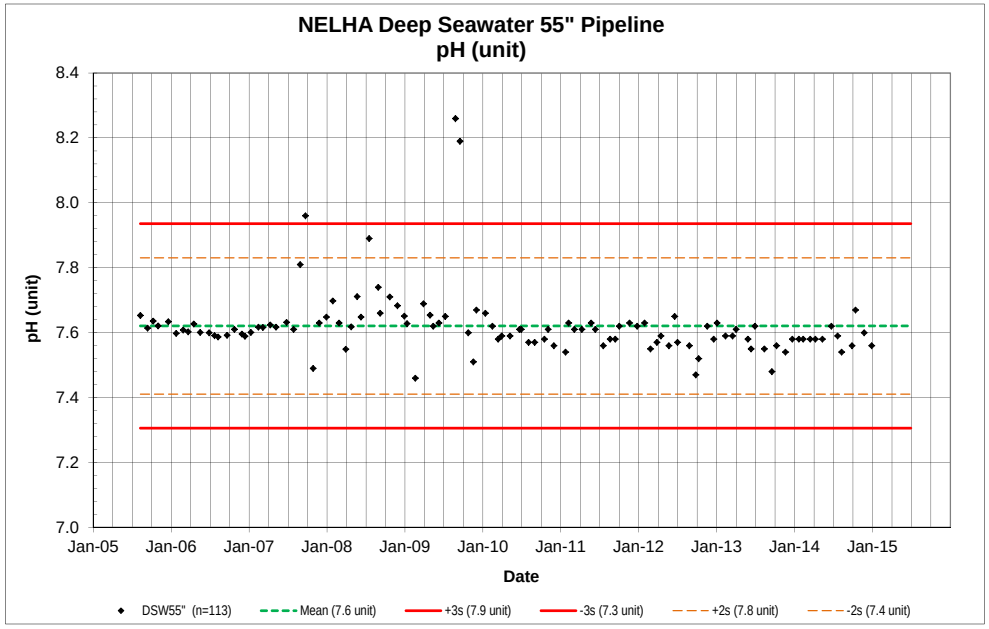


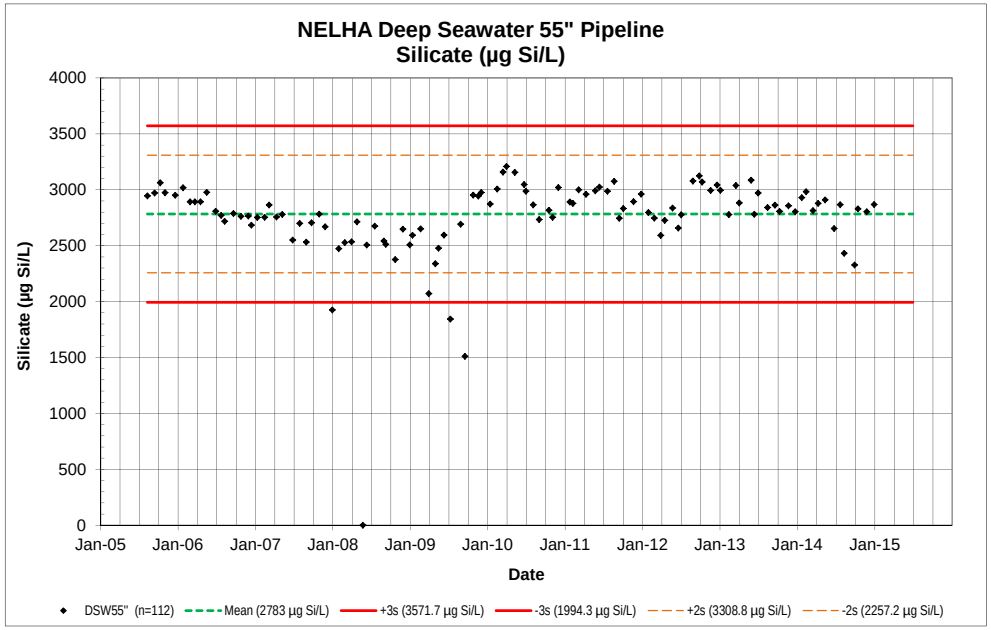
NELHA Water Quality Laboratory

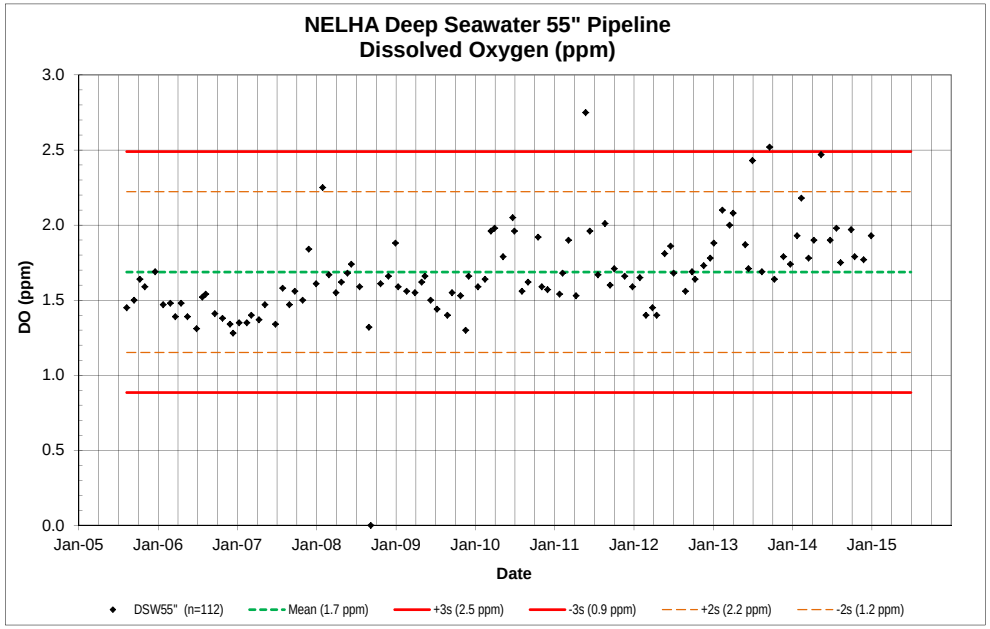
DSW 55"

Intake Depth: 915 m, Offshore Pipe Length: 3,124 m

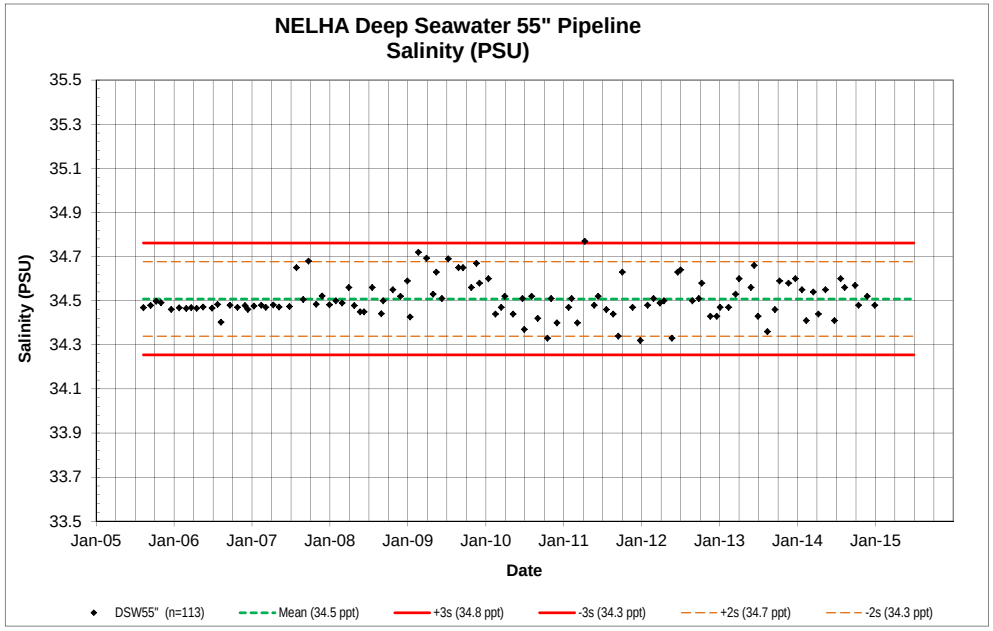
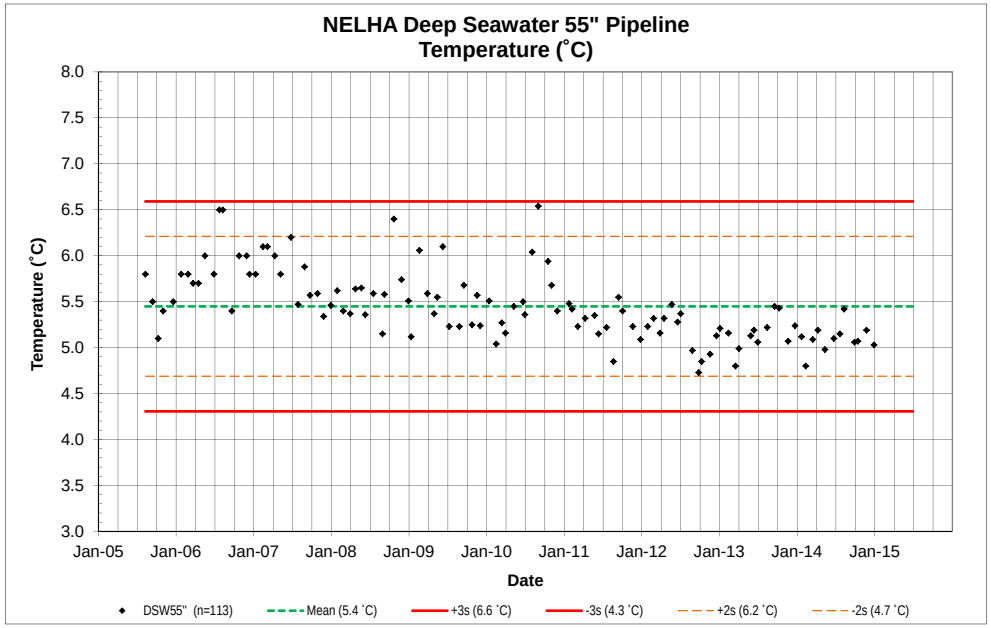
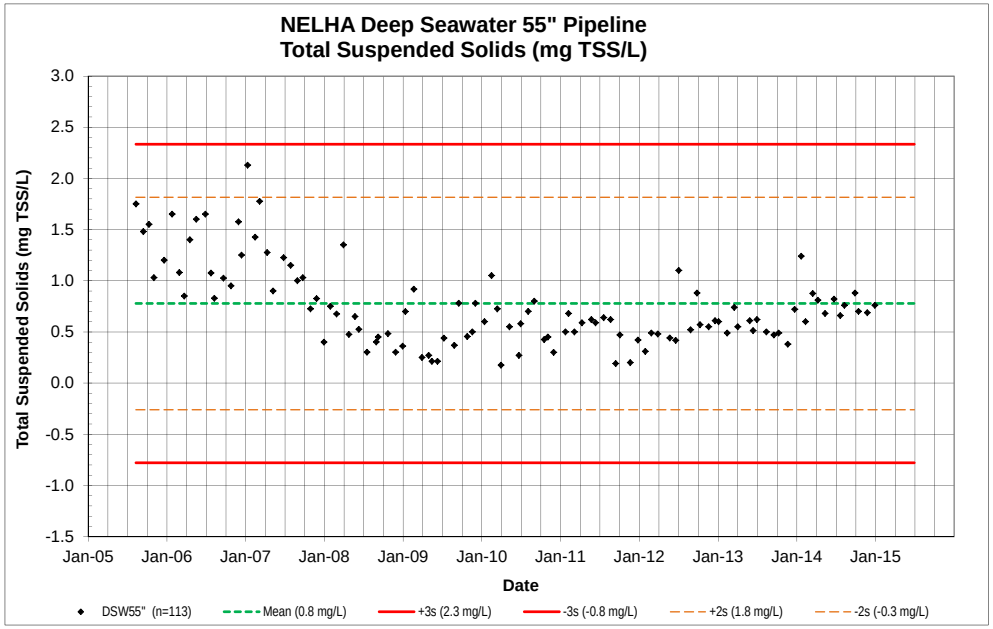
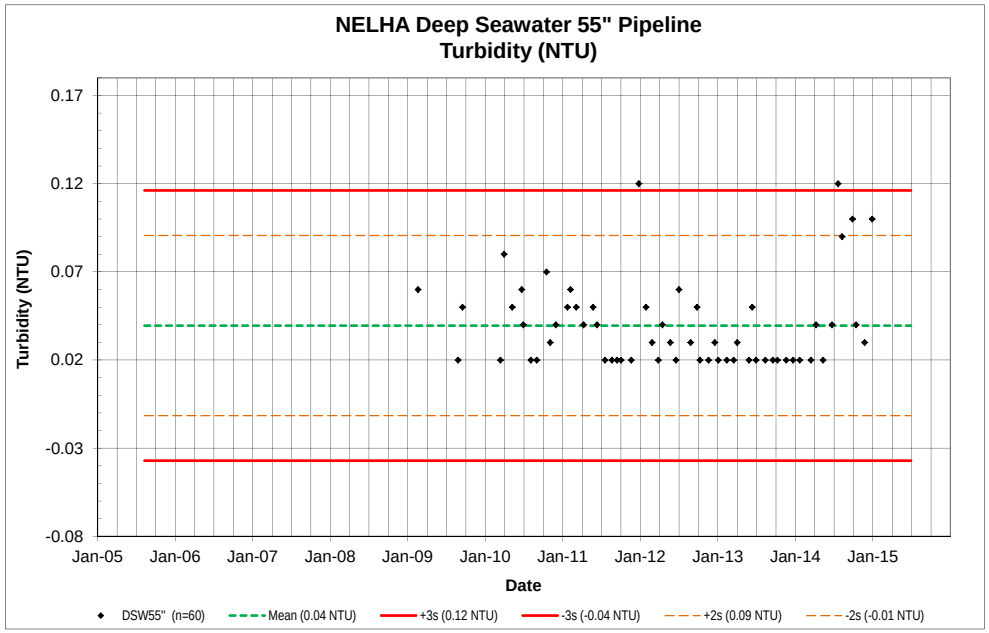








NELHA Water Quality Laboratory

DSW 55"

Intake Depth: 915 m, Offshore Pipe Length: 3,124 m