

Location	Date	Number	Distance (m)	Depth (m)	Tidal Stage	Latitude	Longitude	Temperature	Salinity	D.O.	Chla (mg/m3) or ug/L	Phaeopigment (micrograms/L)	Turbidity	TSS (mg/L)	TVS (mg/L)	TVS(%)	Salinity	Dissolved Oxygen	Temp	Secchi	PO4 (mg/L)	SiO4 (mg/L)	NO3 (mg/L)	NO2 (mg/L)	HN4 (mg/L)	
North Totten	3/22/2002	1		-1.5	Ebb						1.093	0.279	1.6600	0.0072	0.0040		24.5	10.1000	8.0000	11.2	0.0564	2.2920	0.2860	0.0032	0.0154	
North Totten	3/22/2002	2		-8.0	Ebb						1.148	0.329	1.8600	0.0128	0.0032		26.0	10.1000	7.5000	11.2	0.0540	2.3280	0.2760	0.0030	0.0154	
North Totten	3/22/2002	3		-8.0	Ebb						1.222	0.314	0.9800	0.0124	0.0056		27.0	10.1000	7.5000	11.2	0.0532	2.3300	0.2770	0.0030	0.0156	
North Totten	3/22/2002	4		-10.0	Ebb						1.050	0.274	2.2000	0.0136	0.0054					11.2	0.0531	2.2600	0.2710	0.0029	0.0297	
North Totten	4/27/2002	1		1.5	Ebb						1.923	0.262	1.800	0.0096	0.0104		27.0	9.8	14.5	6.8						
North Totten	4/27/2002	2		1.5	Ebb						2.181	0.158	1.830	0.0344	0.0124		27.0	9.8	14.5	6.8						
North Totten	4/27/2002	3		1.5	Ebb						2.480	0.188	1.770	0.0280	0.0096		27.0	9.8	14.5	6.8						
North Totten	4/27/2002	4		1.5	Ebb						2.335	0.206	1.810	0.0248	0.0104		27.0	9.8	14.5	6.8						
North Totten	5/27/2002	1		1.5	Flood						11.477	0.000	2.6000	0.0200	0.0092		27.0	10.2	15	5.5	0.0305	0.2420	0.0070	0.0012	0.0126	
North Totten	5/27/2002	2		1.5	Flood						11.842	0.000	2.1500	0.0132	0.0084		27.0	10.2	15	5.5	0.0298	0.2790	0.0050	0.0010	0.0101	
North Totten	5/27/2002	3		1.5	Flood						9.609	0.000	2.5400	0.0180	0.0080		27.0	10.2	15	5.5	0.0308	0.2010	0.0050	0.0010	0.0117	
North Totten	5/27/2002	4		1.5	Flood						9.400	0.000	2.2200	0.0184	0.0080		27.0	10.2	15	5.5	0.0303	0.2350	0.0050	0.0010	0.0118	
North Totten	7/10/2002	1	500	1.5	Ebb	47 09 538	122 09 771	16	27		8.800	0.000	2.9100	0.0600	0.0064		27.6				0.0539	1.0600	0.0170	0.0035	0.0554	
North Totten	7/10/2002	2	500	1.5	Ebb	47 09 526	122 09 773	16	27		8.040	0.157	3.0200	0.0396	0.0104		27.6				0.0620	0.9630	0.0140	0.0020	0.0512	
North Totten	7/10/2002	3	500	1.5	Ebb	47 09 531	122 09 769	16	27	OK	7.502	0.323	3.3100	0.0340	0.0032		27.6		OK		0.0532	0.9560	0.0140	0.0021	0.0562	
North Totten	7/10/2002	4	500	1.5	Flood	47 09 532	122 09 772	16	27		1.8600	0.0456	0.0072	0.0272	0.0177		27.7				0.0511	1.0070	0.0360	0.0031	0.0796	
North Totten	7/10/2002	5	500	1.5	Flood	47 09 555	122 09 735	16	27		6.388	0.390	1.9100	0.0480	0.0100		27.7				0.0501	1.0220	0.0360	0.0033	0.0708	
North Totten	7/10/2002	6	500	1.5	Flood	47 09 540	122 09 752	16	27		6.267	0.313	1.9700	0.0388	0.0016		27.7				0.0501	1.0150	0.0350	0.0032	0.0671	
North Totten	7/22/2002	1	500	1.5	Flood						3.806	0.055	1.0100	0.0272	0.0108		27.5	13.2	16.5		0.0598	0.7040	0.0080	0.0017	0.0202	
North Totten	7/22/2002	2	500	1.5	Flood						4.814	0.047	1.4700	0.0364	0.0092		27.5	13.2	16.5		0.0726	0.7260	0.0070	0.0015	0.0210	
North Totten	7/22/2002	3	500	1.5	Flood						5.412	0.000	1.2200	0.0444	0.0112		27.5	13.2	16.5		0.6740	0.6740	0.0070	0.0015	0.0180	
North Totten	7/22/2002	4	500	1.5	Flood						3.955	0.000	1.3800	0.0132	0.0024		27.5	13.2	16.5		0.6640	0.6640	0.0070	0.0015	0.0230	
North Totten	8/27/2002	1		1.5	Flood						2.613	0.301	1.9000	0.0096	0.0104		27.0	10.5	17.9							
North Totten	8/27/2002	2		1.5	Flood						1.486	0.310	1.3300	0.0344	0.0124		27.0	10.5	17.9							
North Totten	8/27/2002	3		1.5	Flood						1.586	0.366	1.6000	0.0280	0.0096		27.0	10.5	17.9							
North Totten	8/27/2002	4		1.5	Flood						2.395	0.298	1.5800	0.0248	0.0104		27.0	10.5	17.9							
North Totten	10/9/2002	1		1.5	Ebb						7.701	0.000	1.8000	0.0096	0.0104		27.0	9.8000	14.5							
North Totten	10/9/2002	2		1.5	Ebb						7.672	0.000	1.8300	0.0344	0.0124		27.0	9.8000	14.5							
North Totten	10/9/2002	3		1.5	Ebb						9.127	0.000	1.7700	0.0280	0.0096		27.0	9.8000	14.5							
North Totten	10/9/2002	4		1.5	Ebb						8.628	0.000	1.8100	0.0248	0.0104		27.0	9.8000	14.5							
North Totten	12/3/2002	1		1.5	Flood						4.808	0.655	0.9700	0.0616	0.0140		27.0				9.6000	0.0912	2.3490	0.3000	0.0155	0.1088
North Totten	12/3/2002	2		1.5	Flood						5.453	0.397	1.0600	0.0740	0.0248		27.0				9.6000	0.0878	2.2110	0.2930	0.0152	0.0957
North Totten	12/3/2002	3		1.5	Flood						6.201	0.471	1.1500	0.0876	0.0184		27.0				9.6000	0.0905	2.2930	0.3040	0.0162	0.1004
North Totten	12/3/2002	4		1.5	Flood						5.838	0.516	1.0400	0.0764	0.0168		27.0				9.6000	0.0903	2.3530	0.3080	0.0161	0.1004
North Totten	1/23/2003	1		1.5	Ebb						0.544	0.452	1.8500	0.0948	0.0368		27.0				0.0876	2.2360	0.4060	0.0074	0.0504	
North Totten	1/23/2003	2		1.5	Ebb						0.591	0.470	1.7600	0.0720	0.0252		27.0				0.0929	2.2790	0.4150	0.0076	0.0548	
North Totten	1/23/2003	3		1.5	Ebb						0.610	0.456	1.9200	0.0640	0.0336		27.0				0.0913	2.2020	0.4190	0.0079	0.0529	
North Totten	1/23/2003	4		1.5	Ebb						0.643	0.486	1.8300	0.0676	0.0246		27.0				0.0913	2.3720	0.4190	0.0078	0.0473	
North Totten	3/5/2003	1		1.5	Flood						1.655	0.451	0.9900	0.0444	0.0096		27.0				0.0801	2.3140	0.3810	0.0065	0.0267	
North Totten	3/5/2003	2		1.5	Flood						1.350	0.396	1.0500	0.0564	0.0180		27.0				0.0787	2.2610	0.3800	0.0063	0.0263	
North Totten	3/5/2003	3		1.5	Flood						1.361	0.405	1.1900	0.0656	0.0220		27.0				0.0780	2.2130	0.3790	0.0066	0.0265	
North Totten	3/5/2003	4		1.5	Flood						1.062	0.416	0.9800	0.0496	0.0056		27.0				0.0796	2.2330	0.3860	0.0066	0.0264	
North Totten	4/10/2003	1		1.5	Ebb						0.626	0.427	0.7200	0.0928	0.0216		27.0				0.0577	1.9990	0.2360	0.0061	0.0188	
North Totten	4/10/2003	2		1.5	Ebb						0.651	0.430	0.6900	0.0684	0.0168		27.0				0.0568	1.9470	0.2340	0.0061	0.0453	
North Totten	4/10/2003	3		1.5	Ebb						0.678	0.455	0.7200	0.0716	0.0188		27.0				0.0568	2.1260	0.2320	0.0060	0.0314	
North Totten	4/10/2003	4		1.5	Ebb						0.654	0.417	0.6700	0.0668	0.0172		27.0				0.0560	1.9960	0.2380	0.0061	0.0206	
North Totten	6/2/2003	1		1.5	Ebb						2.950	0.709	0.7500	0.0404	0.0068		27.0				0.0530	1.4490	0.0590	0.0041	0.0382	
North Totten	6/2/2003	2		1.5	Ebb						2.970	0.799	0.7100	0.0620	0.0184		27.0				0.0540	1.3710	0.0590	0.0041	0.0380	
North Totten	6/2/2003	3		1.5	Ebb						3.050	0.886	0.7700	0.0580	0.0044		27.0				0.0539	1.2790	0.0550	0.0041	0.0461	
North Totten	6/2/2003	4		1.5	Ebb						2.992	0.859	0.7200	0.0904	0.0228		27.0				0.0532	1.4210	0.0520	0.0040	0.0387	
Deepwater	4/26/2002	1		1.5	Ebb						13.399	0.000	2.6600	0.0292	0.0104	35.6200	25.6	12.6	10.9	7.2	0.0257	0.4350	0.0180	0.0023	0.0186	
Deepwater	4/26/2002	2		1.5	Ebb						10.390	0.000	1.9000	0.0176	0.0072	40.9100	25.6	12.6	10.9	7.2	0.0239	0.3790	0.0200	0.0024	0.0111	
Deepwater	4/26/2002	3		1.5	Ebb						11.151	0.000	2.8300	0.0128	0.0032	25.0000	25.8	12.6	10.9	7.2	0.0251	0.4060	0.0180	0.0023	0.0158	
Deepwater	4/26/2002	4		1.5	Ebb						12.952	0.000	2.4100	0.0126	0.0044	34.9800	25.9	12.6	10.9	7.2	0.0242	0.4150	0.0210	0.0024	0.0096	
Deepwater	5/29/2002	1		1.5							11.477	0.000														
Deepwater	5/29/2002	2		1.5							11.842	0.000														
Deepwater	5/29/2002	3		1.5							9.609	0.000														
Deepwater	5/29/2002	4		1.5							9.400	0.000														
Deepwater	7/10/2002	1	250	3.0	Ebb						8.800	0.000	0.9300	0.0244	0.0120		27.0			15.5		0.0542	0.6070	0.0340	0.0035	0.0312
Deepwater	7/10/2002	2	250	3.0	Ebb						8.040	0.157	0.9100	0.0244	0.0080		27.0			15.5		0.0628	0.559			