DEA HYDRO SURVEY LOG

Date of Survey: 04/19/2002 **Weather: Overcast** **Seas: Debris**
Survey Crew: J. Lazar, M. Stecher **Vessel: Preston**
Navigation: POS M/V DGPS, ref station 173 **Equipment: RDI 1200 kHz ADCP s/n 2089**

Time (UTC)	GAUGE	RPM	LINE	AZIMUTH	REMARKS
1500					At Fred's Marina
1600					Preston Launched
1830					Compass calibration 6.5º
1840					Compass calibration 0.9º
1850			2	080	Transect 4 (A109000R.000)
1856					Wake, line jogs to avoid debris.
1923			3		Transect 6 (A109001R.000)
1941	11.6				Tide board at end of T4 slip 3.
2011			5	219	Transect 9 (A109002R.000)
2020	11.5				BNRR Bridge Gauge
~2045			16	014	Transect 12 (A109003R.000)
2053	12.0				Gauge at USCG
2100			8	216	Transect 13 (A109004R.000)
					Offset 300m south
					Very little flow in SI lagoon
2114			17	215	Transect 11 (A109005R.000)
2204			10	044	Transect 16 (A109006R.000)
2222			9	229	Transect 15 (A109007R.000)
2232	11.2				T2 gauge 11.2 feet
2234			13	032	Transect 14 (A109008R.000)
2300			11	227	Transect 10 (A109009R.000)
2330	11.2				BNRR Bridge Gauge
2337			4	037	Transect 11 (A109010R.000)
					HDOP limit exceeded w/7 sv's ?
					POS HDOP, PDOP ~1.5
2351			14		Transect 7 (A109011R.000)
					Abort - COL
2357			14		Transect 7 (A109012R.000)
0042			15	064	Transect 5 (A1090113R.000)
					Abort vessel traffic.
					Reject (A109014R.000)
0026			15	064	Transect 5 (A109015R.000)
0048			16	281	Transect 3 (A109016R.000)
0105			1	118	Transect 2 (A109017R.000)
0114					Wake
0113	11.3		17	130	Transect 1 (A109018R.000) T5 gauge