

# WATER ANALYSIS MEASUREMENTS

*Queen Anne's Revenge*

**Vessel: R/V Snap Dragon**

**Date: 15 OCT 1998**

**Position: East Screw Eye**

**Technicians: D. Monaghan**

LOCAL TIME	BOTTLE #	DEPTH [FT]	TEMP [C]	REFRACT ppt	SCT METER ppt	COND uMhos/cm2	pH	DISSOLVE D OXYGEN PPM	TIDE STATE	REMARKS
10:20	6A	0.5	24.0	35.0	34.0	48,100	8.20	6.3	EBB	Weather: Sunny, clear, warm, light N wind calm sea
10:45	5E	20.0	23.8	35.0	33.2	49,500	8.18	6.2	EBB	
11:47	6A	0.5	23.5	35.0	33.0	49,000	8.08	6.8	EBB	
11:50	2E	20.0	23.5	35.0	33.5	49,800	8.09	7.0	EBB	
12:51	6A	0.5	23.5	35.0	33.0	48,500	8.07	6.8	SLACK	
13:05	5E	20.0	23.5	36.0	34.0	50,000	8.13	7.1	SLACK	
14:02	6A	0.5	23.5	35.0	33.0	48,000	8.08	7.1	SLACK	
14:04	5E	20.0	24.0	36.0	34.0	50,000	8.14	7.2	SLACK	
NS									FLOOD	NS=No Sample
15.11	6A	0.5	24.0	35.0	33.0	49,000	8.12	7.1	FLOOD	
15.30	5E	20.0	24.0	36.0	34.2	OS	8.08	6.8	FLOOD	OS=Off Scale

**NOTES:**

FIELD METERS USED WERE: YSI Model 33 SCT Meter; YSI Model 57 Oxygen Meter;

Fisher Accumet Model 955 mini pH meter; Leica # 10419 Refractometer

Calibrations were done before the first sample of the day and checked again at 13;05. No drift was noticed pH was calibrated using a buffer of 7

Dissolved Oxygen was air calibrated and salinity corrected

Surface sample was taken from SNAP DRAGON; Bottom temps are not: the temp was taken when sample was run, not when collected

All samples were analyzed within 5 minutes after being brought to boat

Sample frequency was dependent on divers schedule. When possible the surface and bottom samples were taken close to the same time

Sampling frequency was also changed to longer intervals after data was looked at and very little changes were noticed over time and tide state

Samples were collected during ebb, slack and flood tidal conditions