29 Jan 2007

Possession Beach County Park, Possession Pt, Whidbey Island.

CRUISE ID: B-2-07-PS (JD029)

CREW	Name	Responsibility	Affiliation
	David Finlayson	Chief Scientist	CMG
	Andrew Stevenson	Technician	CMG
	Tom Reiss	GPS	CMG
	Andrew Schwartz	GPS	WA. Dept. Ecology
	Collin Smith	Boat Skipper	BRD

(EQ) EQUIPMENT	EQ TYPE	EQ CODE	EQ BRAND	Model	Media

BIOSONIC ECHOSOUNDER

Transducer (200 kHz) # DT-200-615-0055

Transducer (420 kHz) # DT-420-615-0040

Computer Biosonics DT-X

Kinematic GPS

Ground { Trimble 4400 GPS Reciever
Trimble L1/L2 GPS Antenna 13" w/ Ground Plane }

Pacific Crest (35 Watt?) RMF96W base Radio

Trimble 4700 GPS Reciver
Trimble Zepher GPS Antenna. } Boat
Pacific Crest Radio
Transmitting

GPS OUTPUT FROM NEW BENCHMARK installed at Possession Point Beach Park (PP01)

NGS OPUS SOLUTION FOR PP01: (From Tom Reiss)

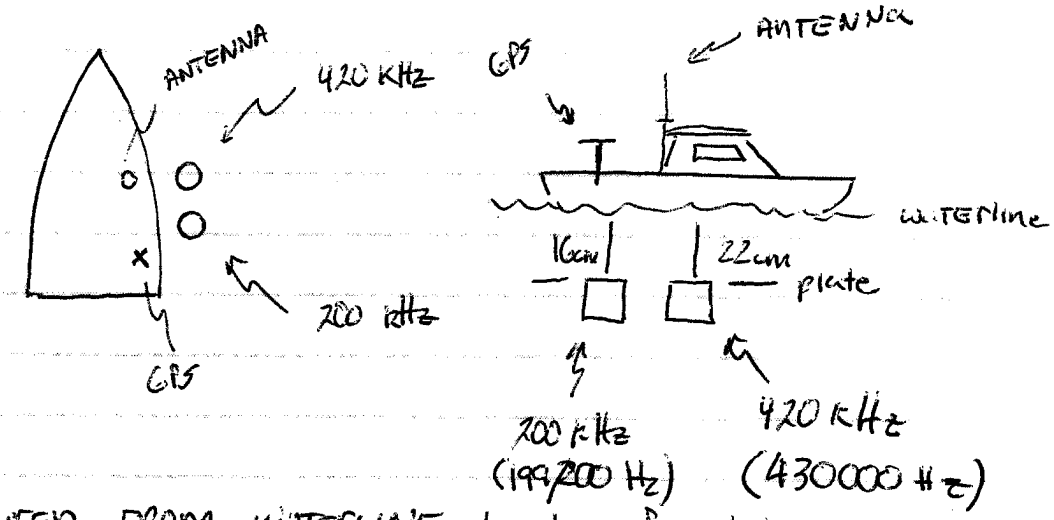
REF FRAME: NAD 83 (CORS96) (EPOCH 2002.0000)

X	-2293407.573 (m)		
Y	-3617157.841 (m)		
Z	4710339.329 (m)		
LAT	47 54 44.67773	0.039 (m)	
E LON	237 37 25.82218	0.020 (m)	
W LON	122 22 34.17782	0.020 (m)	
EL HEIGHT	-19.925 (m)	0.080 (m)	
ORTHO HGT	3.325 (m)	0.084 (m)	GEOID 03 NAVD88

	~~UTM (ZONE 10)~~	STATE PLANE (4601 WA N)
Northing (Y) (METERS)	5306753.419	102599.425
Easting (X) (METERS)	546614.246	384684.870

Equipment (cont)

Boat Phantom marine jet boat (JET 2)



NOTE MEASURED FROM WATERLINE to top of plate
NEED TO ADD plate width + Xducer depth

WATER TEMP 4.6° C (boat echo sounder) 5.5° surface dip hand held
Salinity (NOT MEASURED)

(A N)

TIDES Predicted (Jtides, Seattle) 01/29/2007 (local)
Pacific Standard TIME
03.26 +3.4 m (HIGH)
07:58 +2.6 m (LOW)
12:28 +3.3 m (HIGH)
20:20 −0.4 m (LOW)

30 Jan 2007 JD030 POSSESSION Beach
Sonar was dropping to many packets to use. We tried trouble shooting over the phone w/ BIOSONIC. They concluded it was a hardware Problem and recommended we bring the unit in (to Seattle where they are based). AFTER testing in