

## Pendrell Sound Monitoring Project – data for 5<sup>th</sup> August 2010

### (A) Qualitative bivalve larval summary

Two 5-minute plankton tows at a depth of 1-2 m at each station were collected by pulling a plankton net slowly beside a boat at a rate of 0.5 m/s.

Biomass (low, medium, high)						
Station	2		4		6	
D hinge	Low	Low	Low	Low	Low	Low
Umbone	Low	Low	Low	Low	Low	Low
Eyed	Low	Low	Low	Low	Low	Low

### (B) Settlement plates

Settlement plate collectors are located at Site 2 and 4. Each week one plate from each site will be removed and the number of spat on the upper and lower surface of the plate will be counted.

Plates from August 5 had not spatfall on either side.

### (C) Phytoplankton report

Sample taken by submerging bottle elbow deep in water, removing the lid and let the bottle fill up, replace the lid tightly then bring to the surface and preservation in 1% Lugol's solution.

**Report Date:** August 5, 2010 **Sample Date:** August 10, 2010

Site	Time	Sample Biomass	Biomass % by Group	Harmful or Potentially Troublesome Species	Dominant Species (Group)
2	5:45pm	v.low	diatoms 0% dinoflagellates 10% raphidophytes 0% other flagellates 80% zooplankton 10%	None seen	Nanoflagellates ~30/mL
4	2:30pm	v.low	diatoms 0% dinoflagellates 50% raphidophytes 0% other flagellates 50% zooplankton 0%	None seen	Nothing dominant
6	1:20pm	v.low	diatoms 0% dinoflagellates 0% raphidophytes 0% other flagellates 100% zooplankton 0%	None seen	Nothing dominant

**(D) Site conditions**

<b>Sampling Date:</b> August 5, 2010		<b>Crew:</b> Ed		<b>Current Weather:</b> Smokey/Calm		<b>Weather Past week:</b> Clear and Smokey		
Site	Salinity	Oxygen	Wind	Waves	Air Temp (°C)	Water Temp (°C)	Secchi Disk Down	Secchi Disk Up
<b>2</b>	17 ppt	92%	nil	nil	23.7	23.4	5m	5m
<b>4</b>	16 ppt	92%	nil	nil	23.8	22.8	5m	5m
<b>6</b>	16 ppt	90%	nil	nil	25.6	22.2	-	-

**Adult Oyster Condition:**

Oyster 1            spent

Oyster 2            spent

**General Comments:**

(E) Quantitative plankton results (numbers of individuals per 5 minute tow at rate of 0.5m/s)

Sample

Date: Aug 5 2010

Analysis Date: Aug 10 2010

Time:	Station 2		Station 4		Station 6	
	Tow A: 5:45pm	Tow B: 5:45pm	Tow A: 2:30pm	Tow B: 2:30pm	Tow A: 1:20pm	Tow B: 1:20pm
<b>Zooplankton</b>						
Cladocerans	840	720	160	240	1440	240
Copepods	28360	16480	31800	31640	24120	23760
Crab Larvae	600	1560	1360	840	6760	3000
Ctenophores	40	80	0	0	0	0
Eggs	1200	520	0	0	40	0
Fish	0	0	0	0	0	0
Foraminifera	40	40	0	0	0	0
Gastropods	0	0	0	0	0	0
Jellyfish	40	0	0	0	0	0
Polycheates	80	120	0	40	0	0
Rotifers	0	0	0	0	0	0
Spirorbis	0	0	0	0	0	0
Larvaceans	40	0	0	0	80	0
<b><i>Bankia setacea</i> (shipworms)</b>						
Early	0	0	0	0	0	0
Mid	0	0	0	0	0	0
Late	0	0	0	0	0	0
<b><i>Mytilus edulis</i> (mussel)</b>						
Early	0	0	40	120	0	0
Mid	0	0	0	0	0	0
Late	0	0	0	0	0	0
<b><i>Ostrea lurida</i> (native oyster)</b>						
Early	0	0	0	0	0	0
Mid	0	0	0	0	0	0
Late	0	0	0	0	0	0
<b>Clams</b>						
Early	0	0	0	0	0	0
Mid	0	0	0	0	0	0
Late	0	0	0	0	0	0
<b><i>Crassostrea gigas</i> (Pacific oyster)</b>						
SH	0	0	0	0	0	0
EU	0	240	280	200	0	0
MU	0	40	0	0	0	0
LU	0	0	0	0	0	0
Eyed	0	0	0	0	0	0

