

**Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE 52.5**

West Point South Dock, Orange County

Mary Chabonneau, Constitution Marsh Audubon Cneter

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students**

Location: South Dock at West Point right on the water

Area: dock

Surrounding Land Use:

Sampling Site: shoreline is riprap,

Plants in area:

Tidal Shallows:

Water depth:

River Bottom –

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	12:10	16.2°C 61.2 °F	12:40 PM	14.8°C 58.6 °F
Wind Speed	From NE		Beaufort force #4	
Cloud Cover	Clear			
Water	Choppy			
Weather recently	Heavy rain and colder temperatures prior to today			
<i>Water Temperature</i>	12:40 PM	18.7°C	12:50 PM	18.9°C
<i>Turbidity</i>	2:40 PM	37 inches		
<i>Chlorophyll</i>				
<i>Chemical</i>				
DO (meter)	12:58 PM	8.3 mg/L	17.8°C	85%
pH – meter	1:05	7.5	7.3	7.4 average
Phosphate method 8048	12:13 PM	5.8 mg/L*	*seems to be an error	
Nitrate (method 8171)	1:20 PM	7.4 mg.L*	*seems to be an error	
Alkalinity				
Salinity - meter	12:58 PM	0.34 ppt	0.34 ppt	
<i>Fish Catch Seine & eel pot</i>	<i>Seine #1 Number Caught 12:40 PM</i>	<i>Species</i>	<i>Seine #2 Number Caught 1:15 PM</i>	<i>Total of 2 seines</i>

	1	American Eel	1	2
	2	Alewife		2
	10	Striped bass	10	20
	7	Spottail Shiner		7
	18	Blueback Herring		18
	9	Pumpkinseed	2	11
	1	Tesselated Darters		1
	44	White Perch	44	88
	1	Yellow perch	1	2
	5	Bluecrab	2	7
	5	Hog Choker	2	7
	1	Mummichog	1	2
		Banded Killifish	18	18
	1	Dragonfly nymph	1	2
		Barnacles	(untallied)	
TOTAL SEINE	105		81	186
<i>Tides</i>	Noon	6.89 cm		
	12:16	7.09 cm	Rising	
	12:25	7.48 cm	Rising	
	12:40	8.86 cm	Rising	
	12:55	9.06 cm	Rising	
<i>Currents</i>	12:22	Ebb	3.8 ft/sec	.07 kts
	12:55	Ebb		
	1:05 PM	Ebb		
<i>Traffic</i>				