

Snapshot Day 10/7/08 Data
(Salt Front RM 63.4)
RIVER MILE 52
West Point South Dock, Orange County
Mary Chabonneau, Constitution Marsh Audubon Cneter
Tricia Willis and Jane Anne McCaw, West Point Middle School 7th grade – 57
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>				