

**Day in the Life of the Hudson River 10/20/15 Data
RIVER MILE 47**

Popolopen Creek Beach, Fort Montgomery, Orange County

Kali Bird, Hudson Highland Land Trust

**Andrew Krakowka, Highland Falls Intermediate School - 38 (8th grade) students,
57 (7th grade) students, 5 adults**

Latitude N 41°324532 Longitude W 73°988701

Location: Popolopen suspension bridge and creek, Fort Montgomery, Orange County

Area: Forested & grassy area

Surrounding Land Use: 100 % forested, banks altered but mainly natural, covered in vegetation, beach

Sampling Site: creek shoreline in ravine or Popolopen Creek, 5 % sandy, 50% muddy and 45% rocky

River Bottom – muddy & rocky

Plants in water – Eurasian milfoil and water chestnut

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>	<i>Reading 2</i>	<i>Comments</i>
<i>Physical</i>				
Air Temperature	NR			
Wind Speed	9:10 AM	Beaufort #3		
Cloud Cover	9:10 AM	26-50%		
Weather today	No rain			
Weather recently	cold			
<i>Water Surface</i>				
<i>Water Temperature</i> –	9:30 AM	52 °F	12°C	
	9:32	52	12	
	9:34	52	12	
<i>Turbidity</i> –	10:36 AM	Long site tube	58 cm 43 cm 45 cm	48.67 cm average
<i>Chemical</i>				
DO (drop kits)	NR			
pH – color match	10:05AM	6.8		
Salinity -	NR			
<i>Fish Catch- Noon</i>	<i>Number Caught</i>	<i>Species</i>	<i>Length</i>	<i>Diversity/Totals</i>
9-11AM- 8 ft. net X 4ft.	16	White Perch	6 cm	DIV = 6
8 pulls	2	American Eel`	12 cm	Totals - 42
	1	Striped Bass	6 cm	
	2	Bay Anchovy	6 cm	
	15	Sunfish	6 cm	
	6	Sucker	8 cm	

Macro	1 (F)	Bluecrab	DIV – 1; Totals - 1	
Tides	9:08 AM	57 cm		
	9:24 AM	53 cm	Falling	
	10:30 AM	40 cm	Falling	
Currents	9:30-10:30		Ebb	
Trains No Boats	9:30 AM	CSX	Southbound	
	11:00 AM	CSX	Northbound	
Observations	Turkey vultures, gray squirrels	The creek is intersected by a railroad	Rocks, leaves, manicured hiking area, fallen trees, water chestnut seeds, shrubs	
				Loaded