

**A Day in the Life of the Hudson River 10/12/17 Data
(Salt Front ~HR RM 65)
RIVER MILE East River 1**



Grubby Sculpin (*Myoxocephalus aeneus*)

**Janet Villas, Brooklyn Friends School, 56 eight graders, and 6 adults
Isa Del Bello and staff from the Brooklyn Bridge Conservancy
Latitude 40.704546 – Longitude 73.988771**



Location: East River, south of the Manhattan Bridge @ the new Brooklyn Bridge Park, Dumbo Section

Area: 100% Urban residential, Park

Surrounding Land Use: beach, pier, grassy, 90% Industrial/Commercial and 10% beach

Sampling Site: Sandy beach and riprap, rocky, bulkhead

Plants in area: no plants noted in water – maybe 10% had some type of marine plant

Water depth: 30 ft.

River Bottom: Sandy (a diver was present)

<i>ITEM</i>	<i>TIME</i>	<i>10/16/14 Data</i>	<i>TIME</i>	<i>10/20/14 Data</i>
<i>Physical</i>				
Air Temperature	9:58 AM	16 °C	55°F	
Wind Speed	Beaufort 2	Light Breeze	0.5-1 wave height in ft.	South
Cloud Cover	Mostly Cloudy 51-75%			
Weather today	A little precipitation			
Weather last 3 days	Warm for October, some rain Monday			

Water Surface	Calm			
Water Temp.	9:59 AM	20 °C	68°F	
Turbidity – secchi long sight tube	9:10 AM	>120 cm >120 cm		
Chemical				
DO -	10:06 AM	13.7 ppm	20°C	Very high DO – 130% saturated
pH - meter	AM	6.92 6.93		
Salinity – vernier meter	10:01 AM	21.67 ppt 21.67		
Nitrates	10:04 AM	1.0 ppm		
Fish	Grubby Sculpin (Myoxocephalus aeneus)	1	New Species for DITL	DIV 1 TOTAL 1
macroinvertebrates	Sea squirts mud crabs (sm) Ribbed mussels Barnacles Squid (tiny)	Many 1		DIV 5
Tides	10:00 AM	Changing tide		
Currents	NR			
Boats	Large Ships Greenpeace Arctic Star Staten Island Ferry			

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