

Day in the Life of the Hudson River 10/22/19
HOOSICK RIVER
Freshwater Feed on the east side of the Hudson River
RIVER MILE: (Hoosick River) 28.7
Salt Front: ~ RM 53
Hoosick Falls High School- Deborah Ann Mabey
3 students 11th – 12th grade AP SUNY ESF Env. Sci., 1 adult
Doug Reed, Hudson Basin River Watch
Latitude 42.902092 N & Longitude – 73.351249 W



Location: Hoosick River, Hoosick Falls, Rensselaer County, NY
Area: Tributary River to the Hudson
Surrounding Land Use: 10% Forested; 50% Beach; 35% Rural farmland
Sample site: Farms on the right side of the river, road on the left side of the river
Shoreline: Riprap, some vegetation along shoreline, deposited rock and sand from River
River bottom: very rocky
Water Depth: > 6 ft
Plants in water area: none except for phytoplankton
Sample Time Frame: 8:45 AM-10:30 AM

| <i>ITEM</i> | <i>Time</i> | <i>Reading</i> | <i>Comments</i> | |
|-----------------------------------|-------------------------------|----------------|-----------------|---------------------|
| Physical | | | | |
| <i>Air Temperature</i> | 8:45-10:30 AM | 14 °C | | |
| <i>Wind Speed: Anemometer</i> | 8:45-10:30 AM | Beaufort 3 | | Gentle Breeze |
| <i>Weather today</i> | Mostly cloudy (75%) | | | |
| <i>Weather the past 3 days:</i> | Rained within the last 3 days | | | |
| <i>Water Temperature</i> | 8:45-10:30 AM | 11 °C | | |
| <i>Turbidity -</i> | NA | | | |
| Chemical | | | | |
| <i>Salinity-</i> | NA | | | |
| <i>DO – ampules</i> | <i>Time</i> | <i>Temp</i> | <i>ppm DO</i> | <i>% saturation</i> |
| | 8:45-10:30 AM | 14 °C | 6 ppm | |
| <i>pH – Indicator Solution</i> | 8:45-10:30 AM | 8 | | |
| <i>Nitrates</i> | 8:45-10:30 AM | Present | | |
| <i>Phosphates</i> | 8:45-10:30 AM | Present | | |
| <i>Alkalinity</i> | 8:45-10:30 AM | Absent | | |

