

# 2016 EJTU Water Temperature Monitoring Report

## Summary:

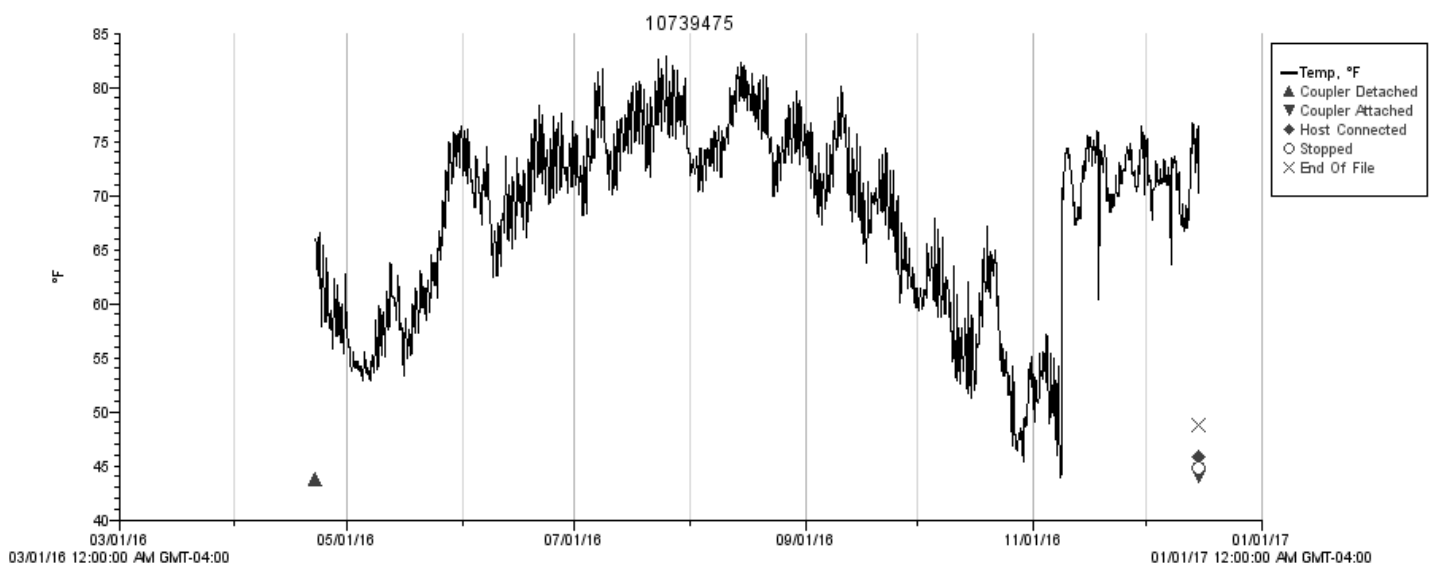
East Jersey Trout Unlimited conducted water temperature monitoring at 4 locations in Bergen County between 4/22/2016 and 11/08/2016. The 4 locations were:

1. Ramapo River – Halifax Road (Park Riffle), Mahwah  
Logger# 10739475
2. Ramapo River – Ramapo Reservation (Below Bridge Pool), Mahwah  
Logger# 10739473 – **not included in this report**
3. Bear Swamp Brook (Ravine) – Mahwah  
Logger# 10739474
4. Ramapo River – Glen Gray (Mink Pool), Mahwah  
Logger# 10566590

Note: Low water throughout the region was a problem this year. As a result, the data logger at Ramapo Reservation (Logger# 10739473) was discovered by passers-by and mistaken by the Bergen County Sheriff's office to be a pipe bomb. It was removed from the river and is therefore not included in this report.

## Results:

1. Ramapo River – Halifax Road, Mahwah  
Logger# 10739475  
Period: 4/22/2016 4:00:00 PM - 11/8/2016 12:00:00 PM  
Hi Temp: 82.931 7/25/2016 12:00:00 PM  
Lo Temp: 43.495 11/8/2016 8:30:00 AM  
Average Temp: 67.366  
#Reads: 9592 (Sample taken every 30mins)



3. Bear Swamp Brook (Ravine) - Mahwah

Logger# 10739474

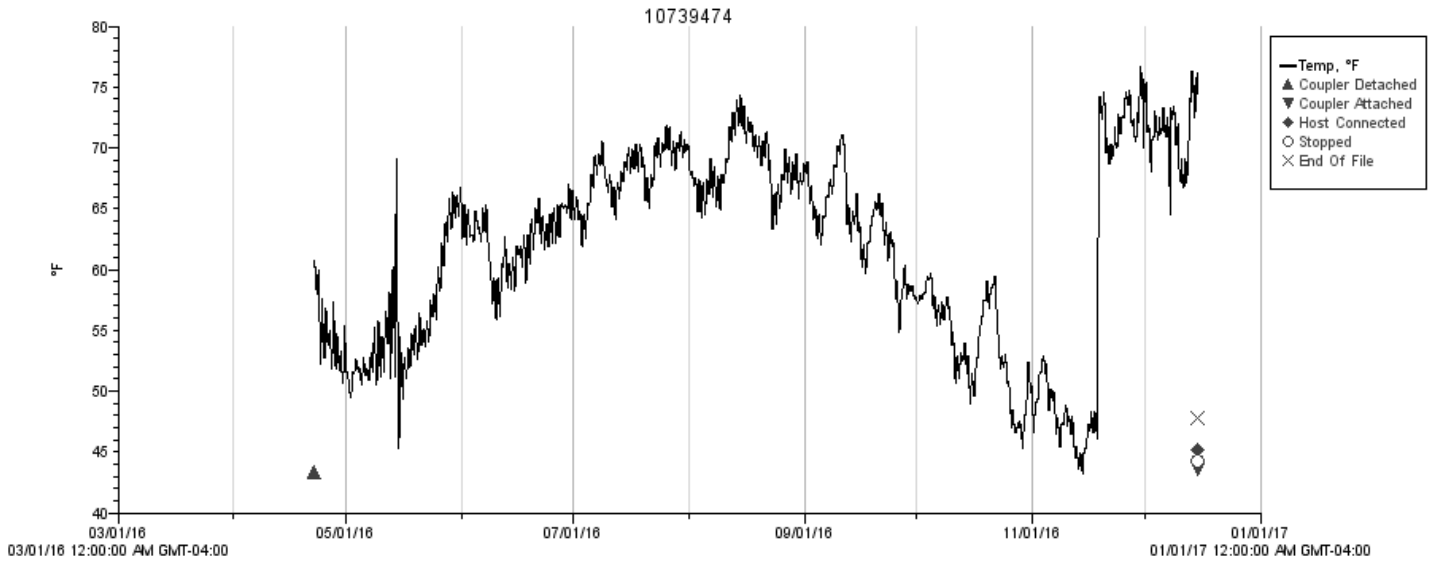
Period: 4/22/2016 4:00:00 PM - 11/8/2016 12:00:00 PM

Hi Temp: 74.338 8/14/2016 4:00:00 PM

Lo Temp: 45.262 5/15/2016 6:00:00 AM

Average Temp: 61.228

#Reads: 9594 (Sample taken every 30min)



4. Ramapo River - Glen Gray (Mink Pool), Mahwah

Logger# 10566590

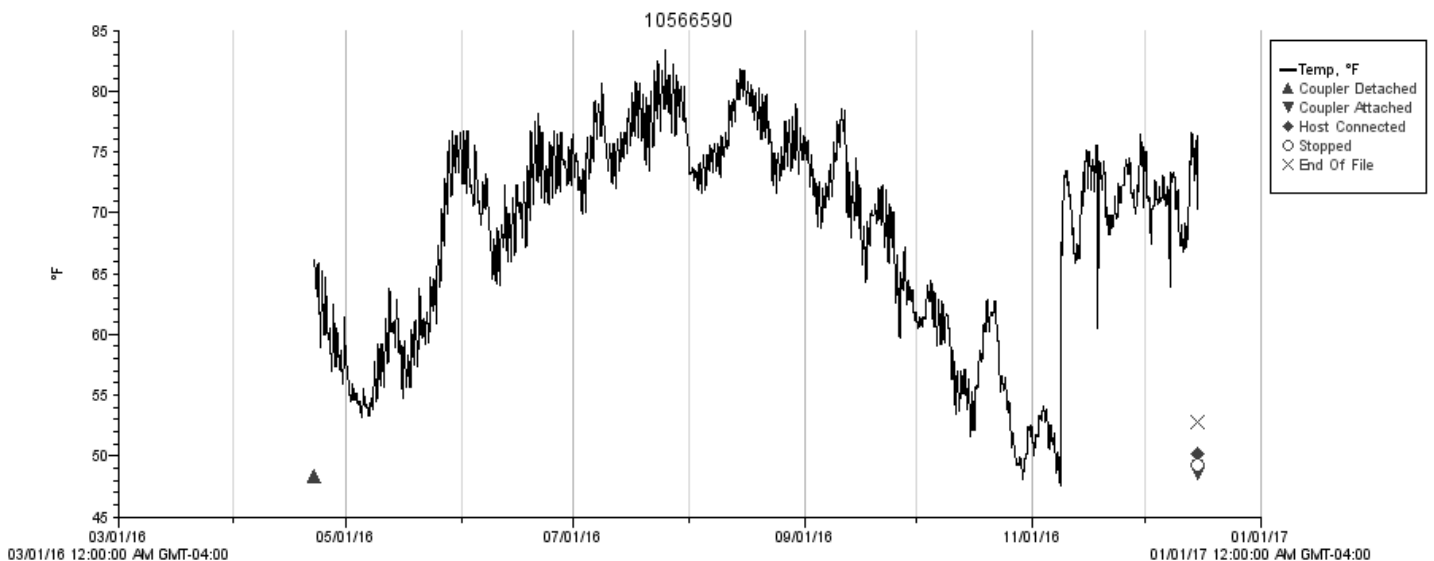
Period: 4/22/2016 4:00:00 PM - 11/8/2016 12:00:00 PM

Hi Temp: 83.422 7/25/2016 3:00:00 PM

Lo Temp: 47.602 11/8/2016 10:30:00 AM

Average Temp: 67.742

#Reads: 9593 (Sample taken every 30 min)



**Observation:**

While Bear Swamp Brook seems stable, this was the first time in 3 years of data collecting that temperatures in the Ramapo exceeded 80 degrees. This is likely due to critically low water levels throughout the year and ongoing drought conditions. Without significant rainfall and cooler temperatures, the Ramapo River will continue to be a poor habitat for trout.