



## RIVANNA RIVER STEWARD REPORT

River Stewards: Dan Triman Date: 08-14-18

Starting Location and Time: Ragged Mountain Reservoir (3:30 PM)

Ending Location and Time: Ragged Mountain Reservoir (5:00 PM)

Weather: Mostly Clear Recent Precipitation: Some rain past week

USGS Gauges: Earlysville 2.50 ft (210 cfs), Palmyra 4.20 ft (1200 cfs)

Water Color: Clear Water Odor: None Air Temp: 85° F

DO: 6 ppm PH: 7 Turbidity: 10 JTU Water Temp: 32° C

Water Testing Location: Below Parking Lot – East Side (38°01.8'N 78°33.6'W)

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### Land Use:

Park land around reservoir with a wooded buffer. Trails traverses the area around the Reservoir.

### Wildlife Sightings and Plant Life:

Turtles, Small Birds, Butterflies, Dragonflies, Fish. Very green and lush vegetation in and around the Reservoir.

### People Interactions:

Saw several people out in boats on the Reservoir today, and a number of cars in the parking lot for other people using the trails.

### Litter and Pollution:

Not much trash found today. There was a lot of a yellowish gooey substance in various places around the Reservoir. It was large masses of it that were mostly submerged, but then had a lot of bubbles at the water surface (see photos below).

### Overall Summary:

The Reservoir was in pretty good shape. The hill down to the Reservoir from the parking lot where the steps were recently built is experiencing some pretty good erosion from recent storms, and needs repair. There was also a couple of places on the road up to the parking lot that had been washed out and may need repair.

### Actions Needed – level of priority (1 highest/5 lowest):

2 – Provide erosion control and stairs repair down the hill from the parking lot to the Reservoir since at the moment they are a safety hazard.



Figure 1: Newly installed stairs that are eroding



Figure 2: View of the Reservoir from above



Figure 3: Some of the worst erosion on the stairs



Figure 4: Another photo of the eroding stairs

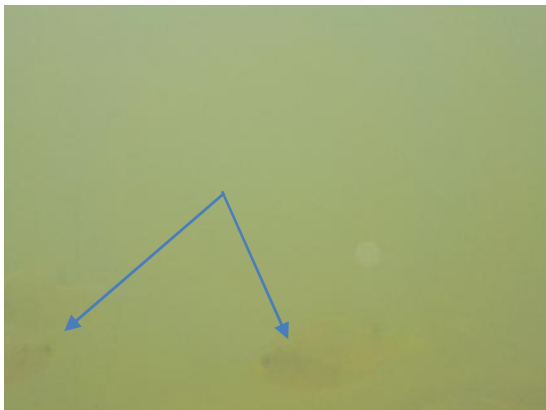


Figure 5: Underwater shot of some small fish



Figure 6: Large tree down at edge of Reservoir





Figure 7: Cattails growing in the Reservoir



Figure 8: Another view of the Reservoir



Figure 9: Small turtles resting on a log



Figure 10: Bubbly gooey substance found in the Reservoir



Figure 11: Another view of substance found in Reservoir



Figure 12: Water level reading for today