

Invasive Aquatic Vegetation Report: 29 July 2015

Survey #4

(No report for April 2015 due to muddy water) Date; 29 July 2015

Start; 11:00 A.M. Level; 603 (above MSL)

End; 2:30 P.M. Level; 603.5 (above MSL)

General: Water not turbid to M/M 12 (end of survey). See Secchi data for clarity values on pg.2. No visible floating aquatic vegetation noted. No debris noted until M/M 12, then only insignificant small twigs etc. A.E.P. skimmer in operation near M/M 10 removing debris along shoreline. Pumpback in operation until 12:00P.M. then flow reverses. Mile markers 3-10 clear and visible. 11 and 12 remain obscured by dense brush and trees.

Note; As of today the suspect plant from the June survey has been identified as *Elodea canadensis* or Common Waterweed, a non-invasive native plant. Preliminary determination made by Dr. Rob Richardson of N.C. State University. Still waiting for the opinions from Va. Tech, Massey Herbarium. This what I had suspected. (see June survey results)

RESULTS;

SITE "S-18" (New Site) Lake Shoreline (N.E. near M/M 8) at mouth of Howell's Creek ("3 Pipes"). No aquatic vegetation based on (3) 50' rake samples.

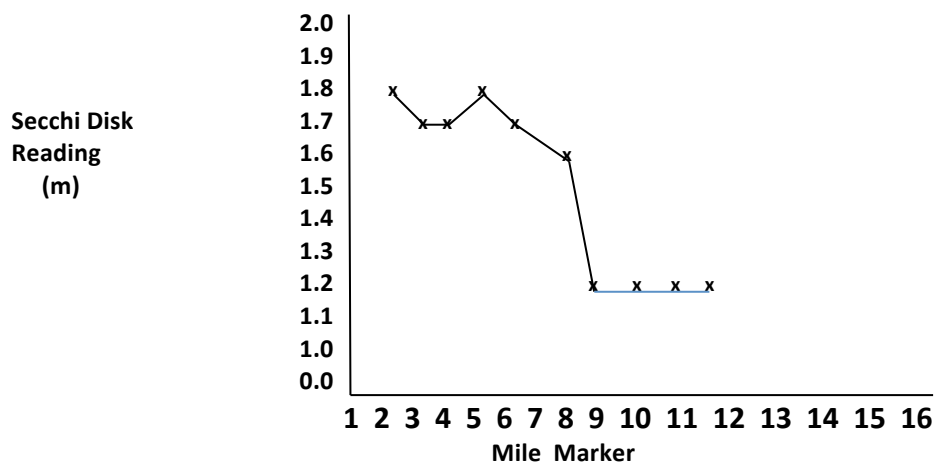
SITE "S-20 A and B"(New Site) Unnamed cove (Pittsylvania Co.) slightly across from M/M 7. Cove is access for Eagle Pointe Shores subdivision and site is location of the old Plymel farmhouse (absent). "A" is the lake shore on the south side of the cove and "B" is the lake shore on the north side of the cove. (3) 50' rake samples at "A" and (2) 50' plus (1) 150' long shore rake samples at "B" produced no aquatic vegetation.

SITE "S-21" (New Site) Shoal at mouth of Anthony's Mill Creek. (known today as Mill Creek) Bedford Co. 200 yds up river from M/M 6. No aquatic vegetation found based on (2) 50' rake samples. **DANGER** On approach to this shoal there exists several submerged rock piles that are **not** uncovered at low water levels. Be very careful approaching this cove. It is advised to approach from the north and stay relatively close to the shoreline. **DO NOT ATTEMPT TO CROSS OVER THE CENTER OF THIS COVE WHEN ENTERING.**

See Next Page for Secchi (Water Clarity) readings.

I have included this information as a more precise indication of water clarity between M/M 3 and M/M 12.

Water Clarity Readings from 29 July 2014 (M/M 3-12)



From a publication by the University of Rhode Island I am providing the following information:

Secchi Disk Depth

Description of Water Clarity

< 2 meters	Poor clarity
2 - 4 meters	Average clarity
> 4 meters	Very clear condition

Keep in mind that readings can vary from day to day and the descriptors above may not be the best ones for LVL. This is just a preliminary attempt to quantify water clarity values from lower to upper lake areas, using a Secchi Disk.

Lou Revelle