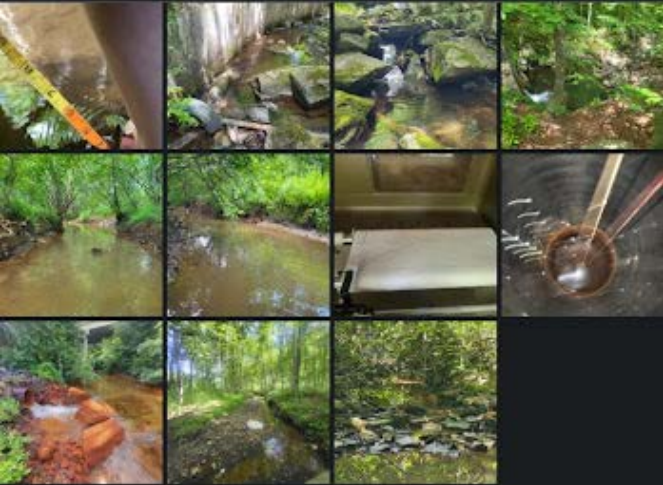




July 26, 2022



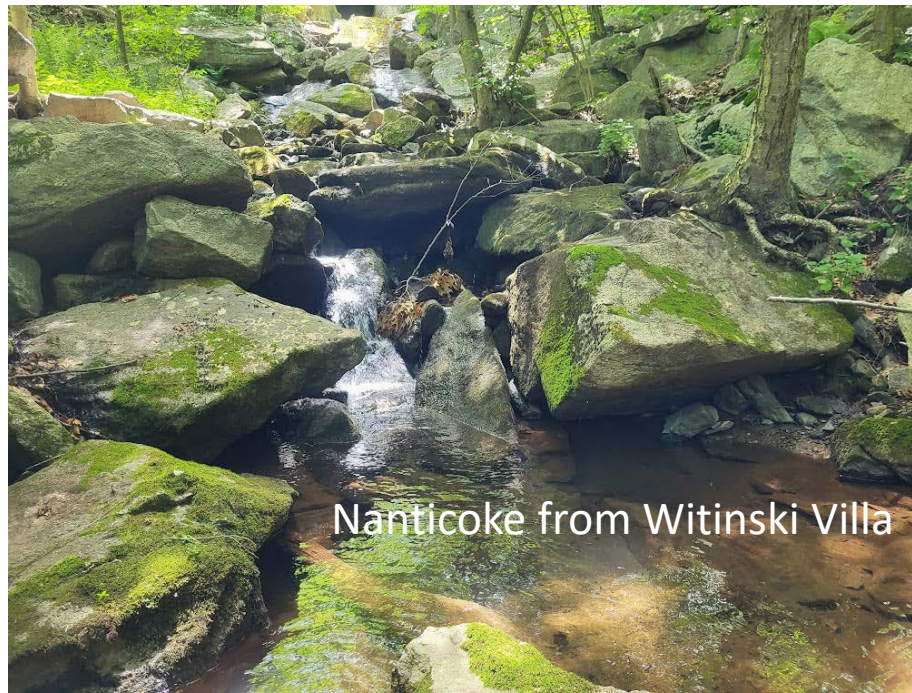
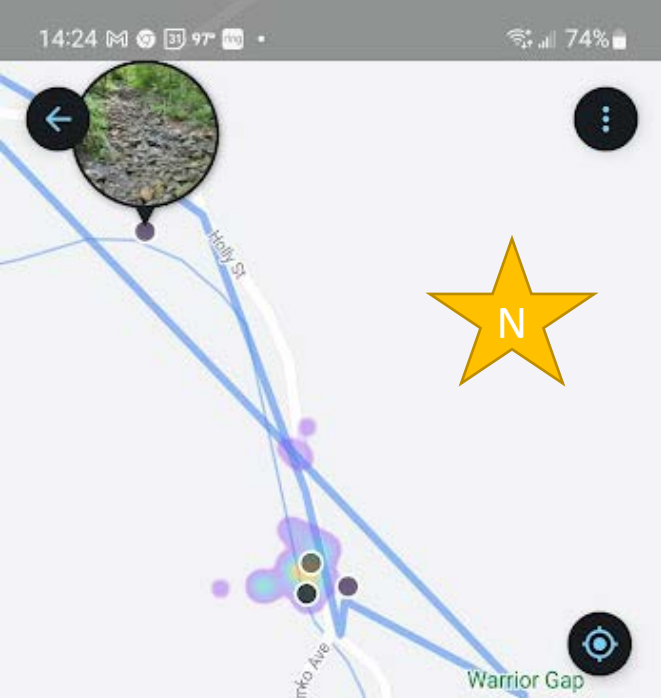
Wed, Jun 29



Nanticoke Creek Watershed Recon

07/26/22

Where is the water?




Nanticoke from Witinski Villa



Nanticoke in flume

July 26, 2022


Today



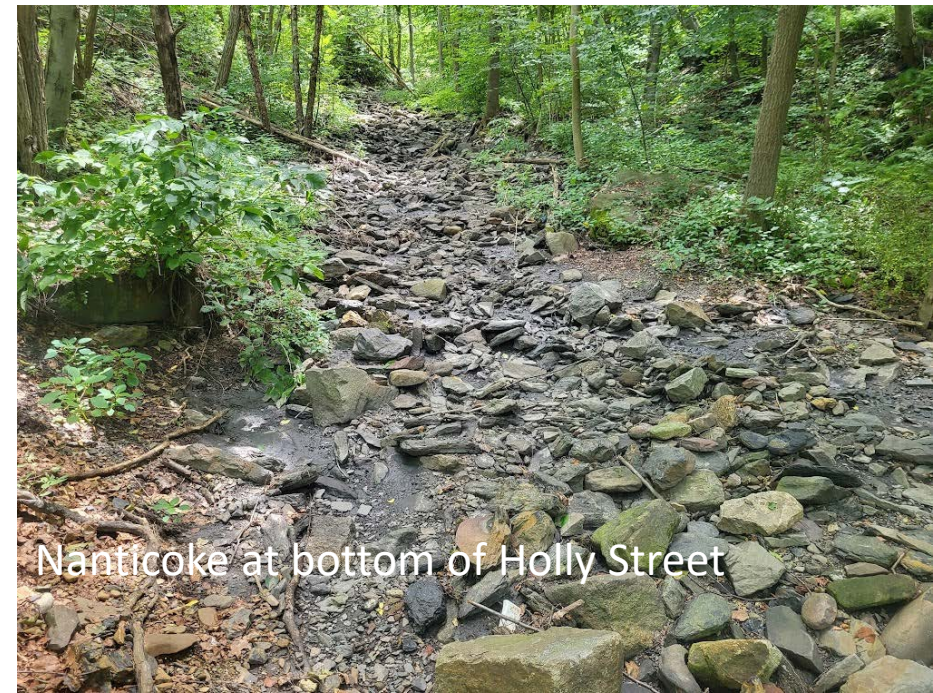
Nanticoke Headwaters

0.08 CFS

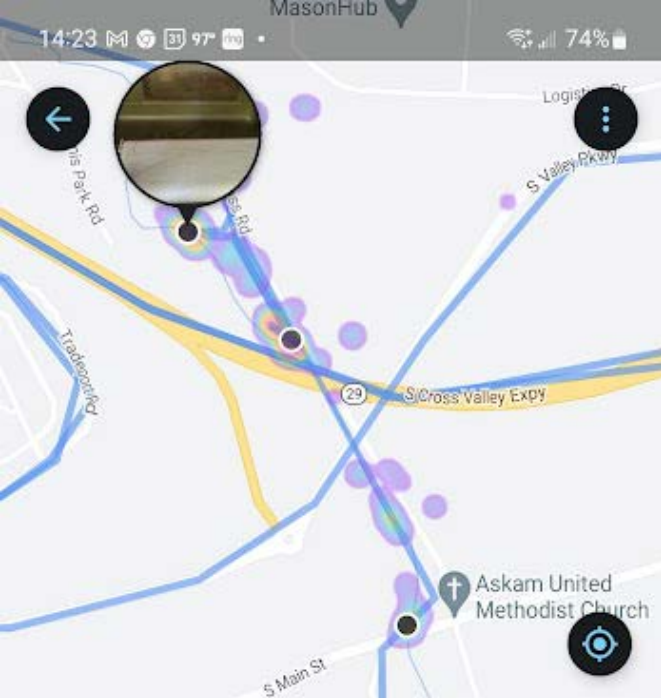
Wed, Jun 29



Nanticoke exiting flume



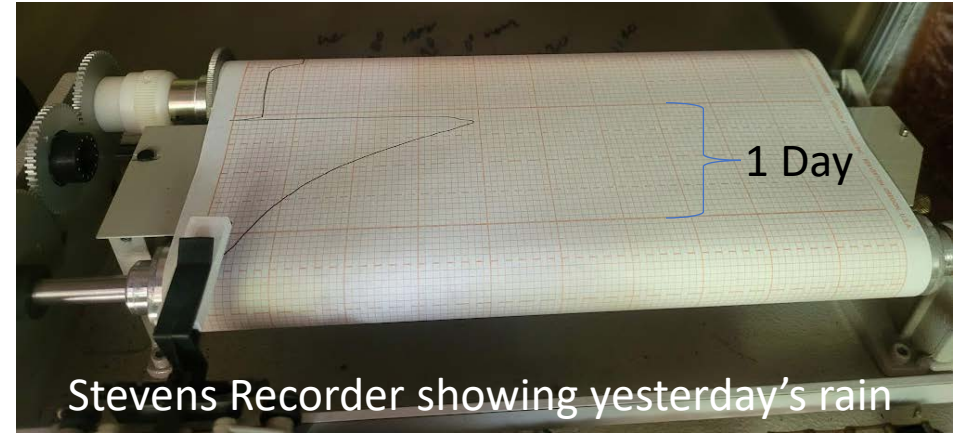
Nanticoke at bottom of Holly Street



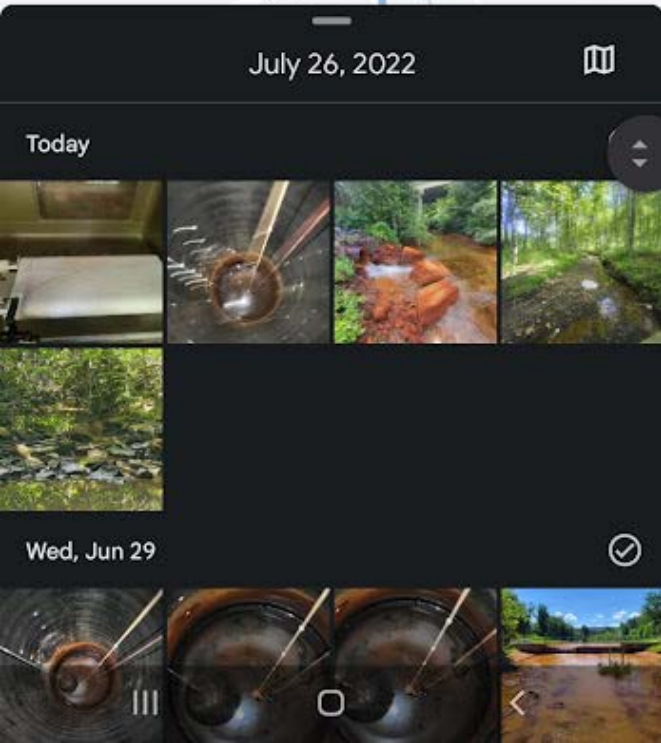
Askam Treatment System on Nanticoke

Before and After Chem:

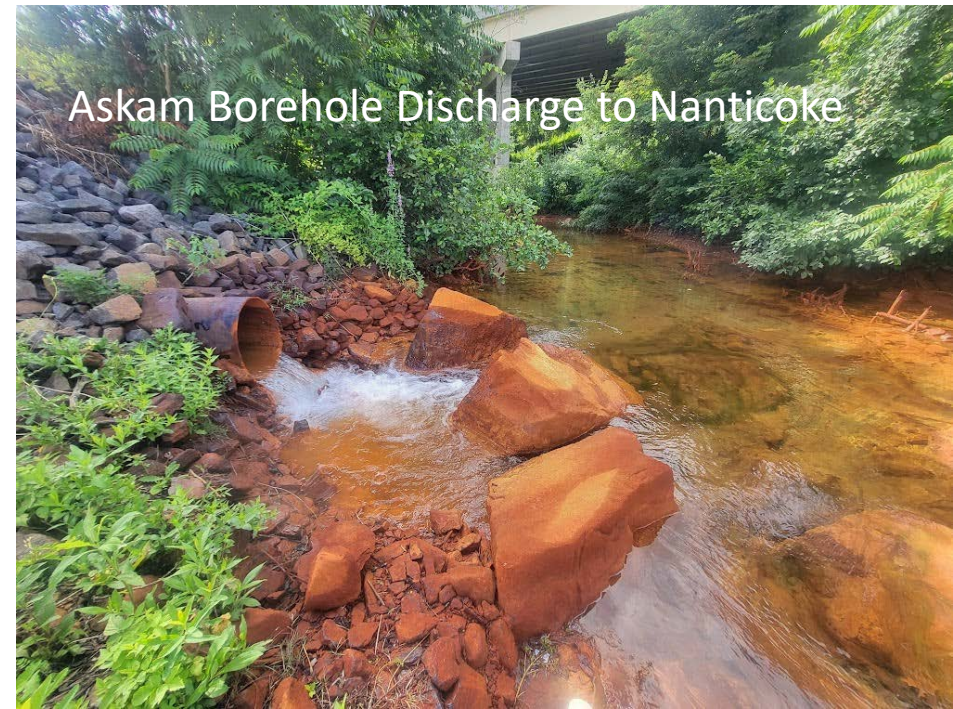
- Temp 12.9-18.5 C
- pH 6.32-7.32 su
- Flow 3.28 CFS ~1,500 gpm
- D.O. 1.97-8.81 mg/L
- Alk. 115-95 mg/L
- Cond. 799-654 mV
- TDS 519-370 mg/L
- Turb. 0-45 NTU
- Iron 22.5-1.6 mg/L
- Sulph. 300-150 mg/L
- D. Phos. 1.8-0 mg/L



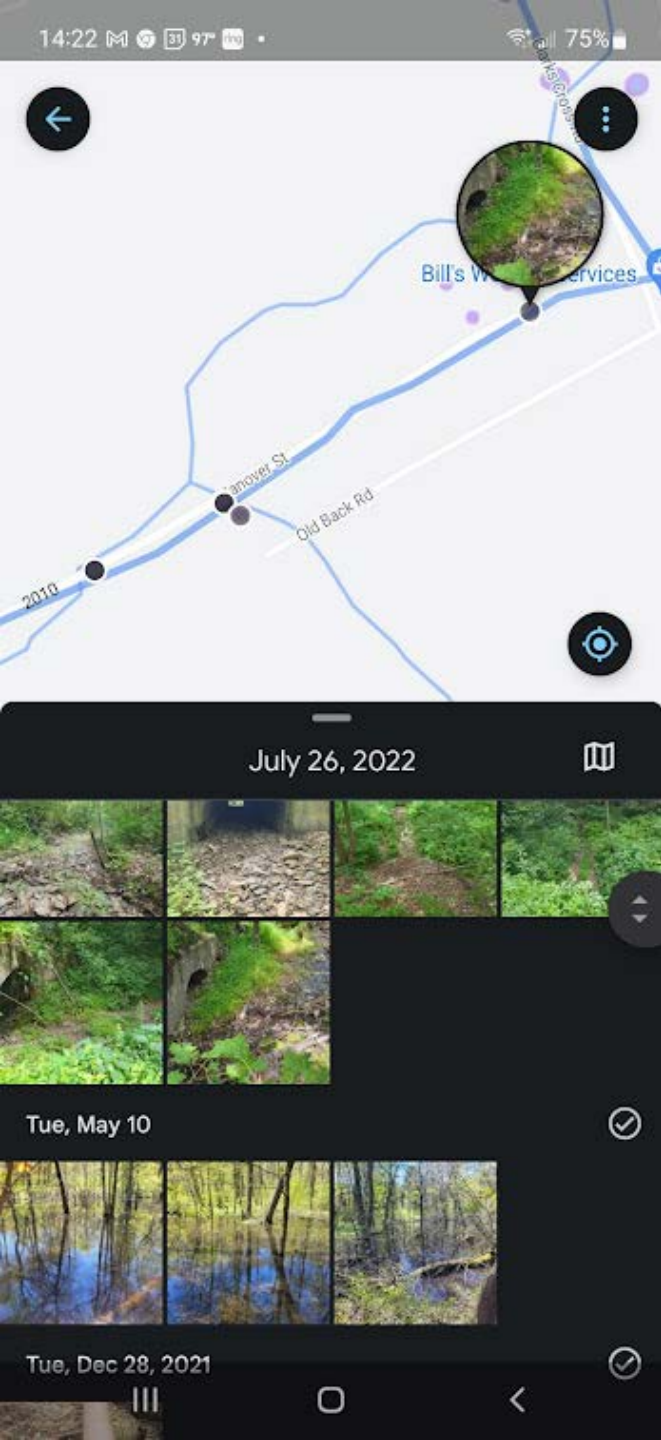
Stevens Recorder showing yesterday's rain



Nanticoke upstream of the Boreholes (flow unreadable)



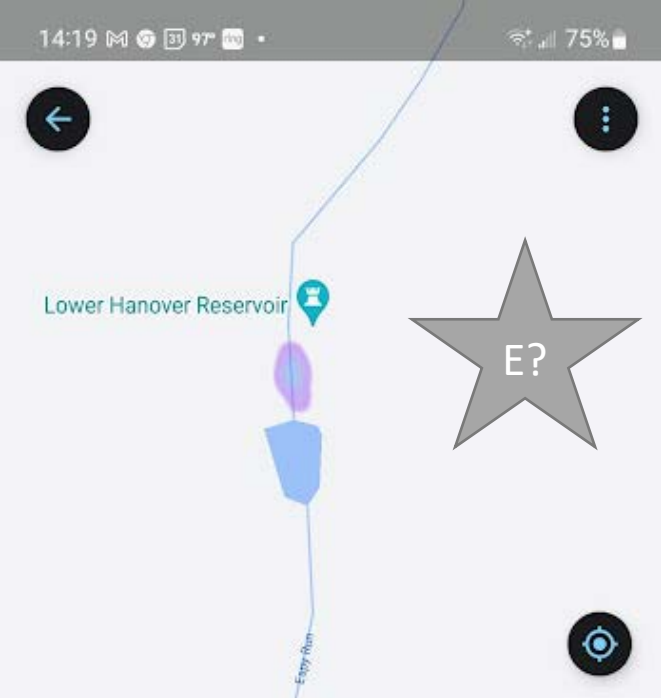
Askam Borehole Discharge to Nanticoke



Confluence of Leuders with Nanticoke (Theoretical)

Jason says there's a spring here...

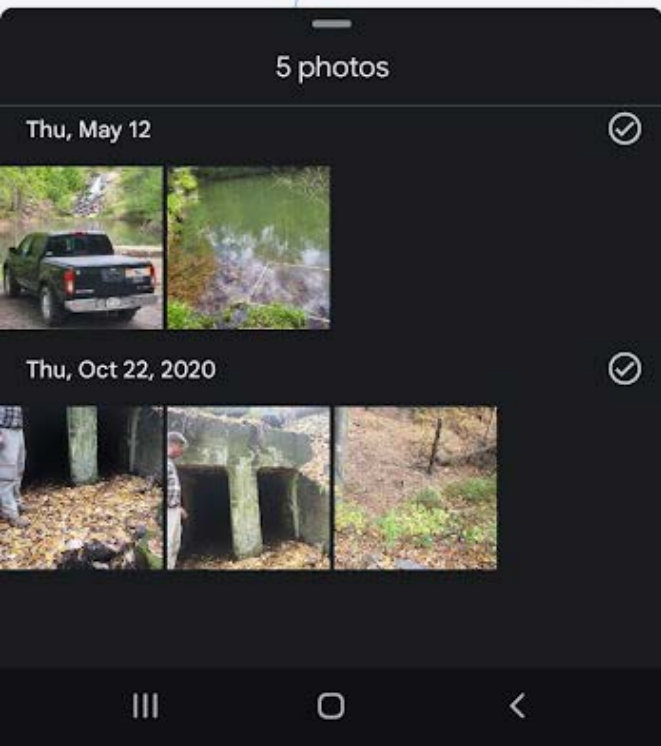


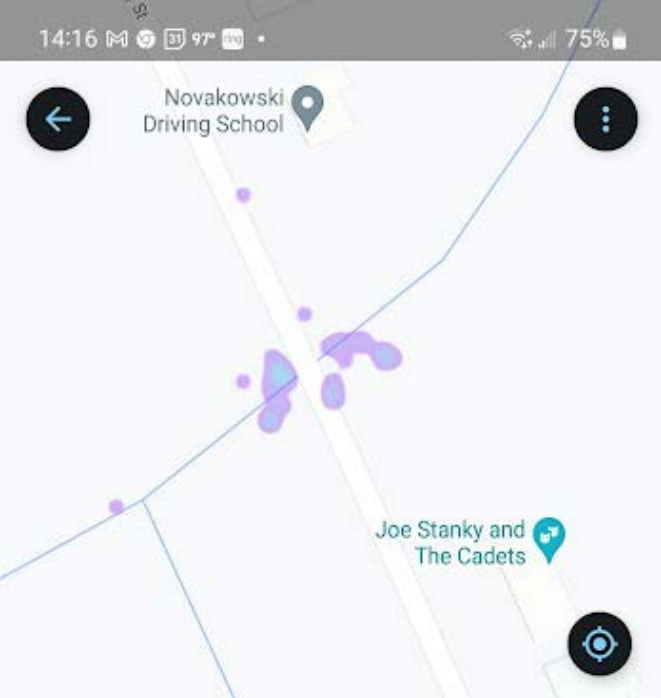


Espy Run Headwaters

- Need to go and look at water levels tomorrow???

Water exiting the Lower Hanover Reservoir in October 2020 prior to installation of weir

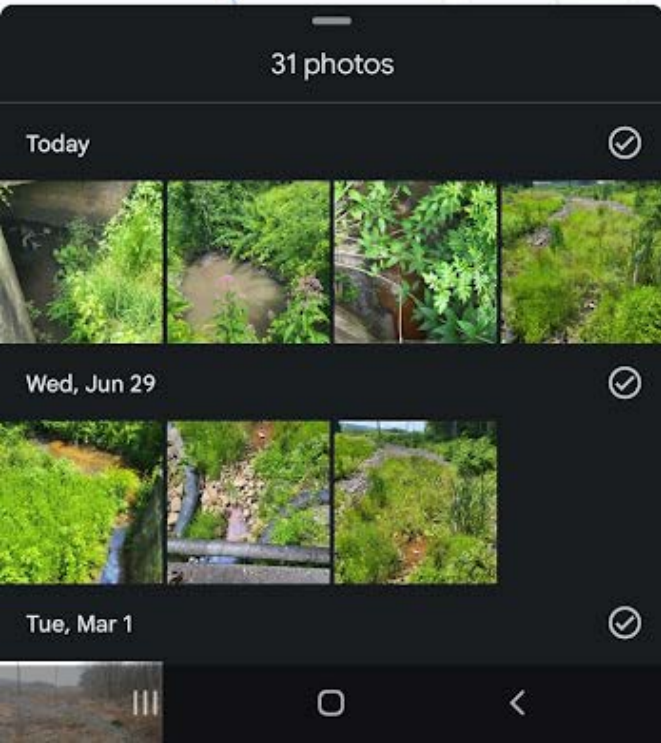




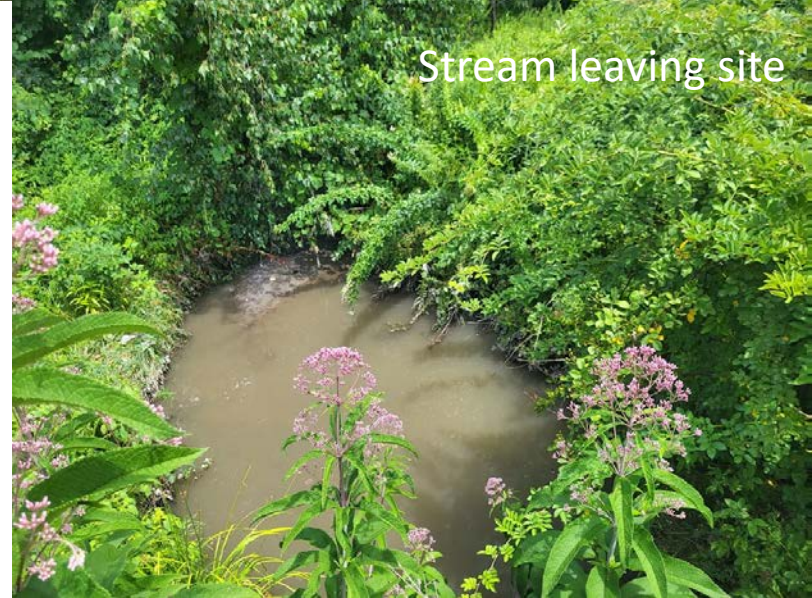
Espy Run at Espy Street Bridge (flow unreadable)



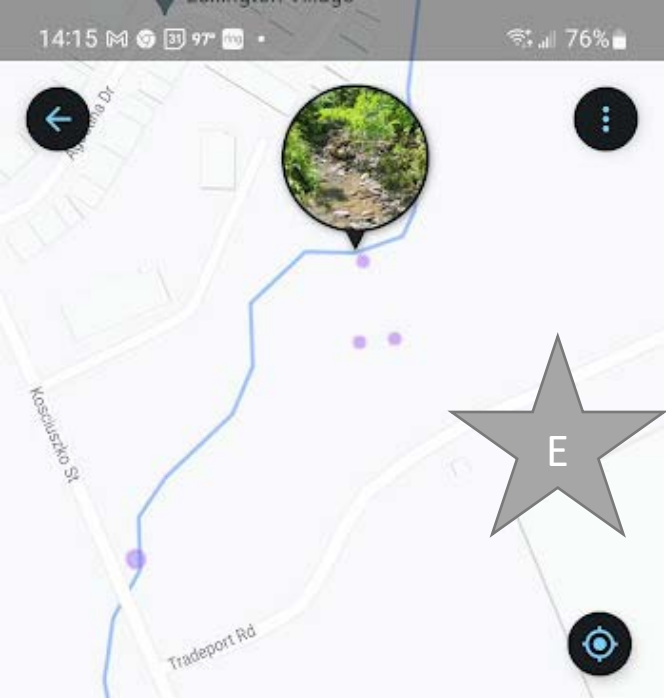
Virtually dry from Bliss Banks



Stagnant water under bridge



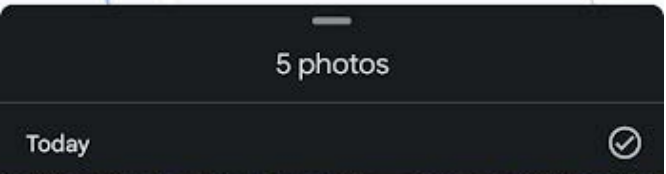
Stream leaving site



Espy Run at Kosciuszko Street



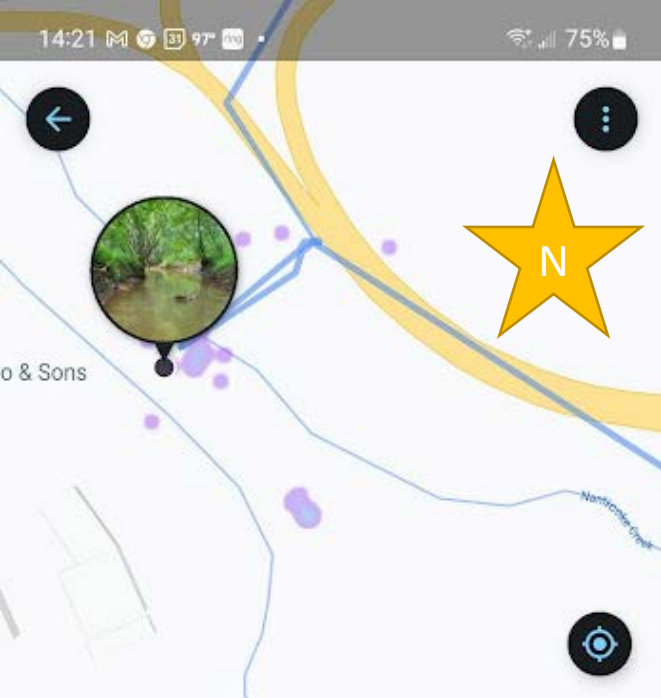
Pool below bridge, minnows



Potential AMD seep and treatment on Spreetail Property



Stream leaving Property



Downstream of Confluence with Espy on Nanticoke

- Temp 21.8C
- pH 7.16 su
- Flow 3.56 CFS ~1600 gpm
- D.O. 7.94 mg/L
- Alk. 100 mg/L
- ORP 1.4 mV
- Cond. 788 μ S/cm
- TDS 420 mg/L
- Turb. 14 NTU
- Iron 0.15 mg/L
- Sulph. 185 mg/L
- Phos. 5.5 mg/L
- Nitrate 0.151 mg/L

