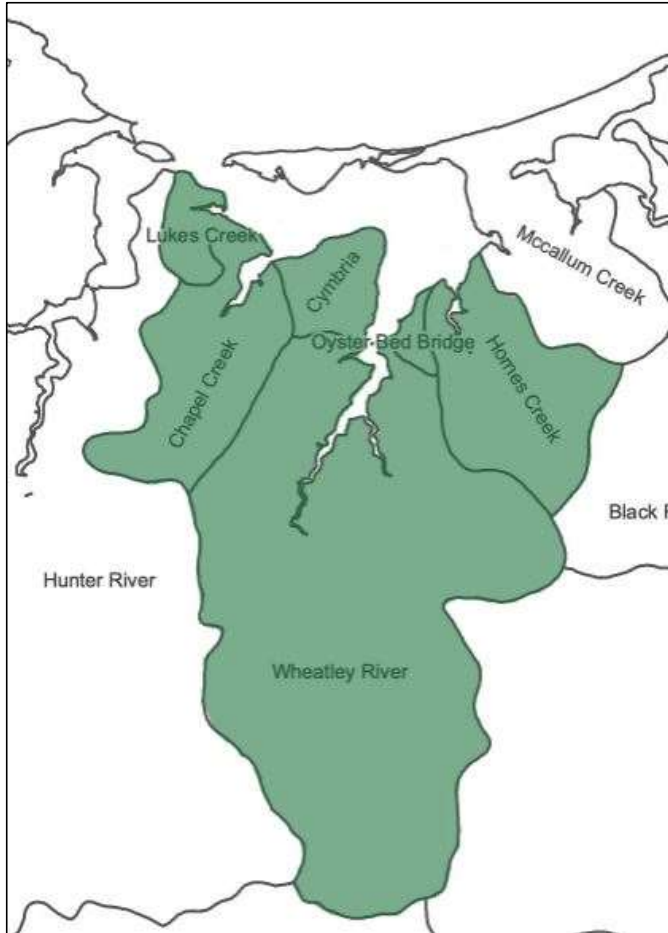


2021-2022 Summary

WATERSHED MANAGER'S REPORT





WRIG 2021-2022 Goals

1. **Develop** a sediment management plan
2. **Improve** riparian and in-stream habitat
3. **Monitor** surface water quality
4. **Improve** upland wildlife habitat
5. **Promote** public education, awareness, and connection to the watershed



Year In Review

2021 Summer Field Crew

- Fran Sanchez – PS Watershed Tech
- Nick LeClair – PS Watershed Tech
- Sam Pastoor – HS Watershed Tech
- Marika Dykstra – HS Watershed Tech

2021-22 Interns

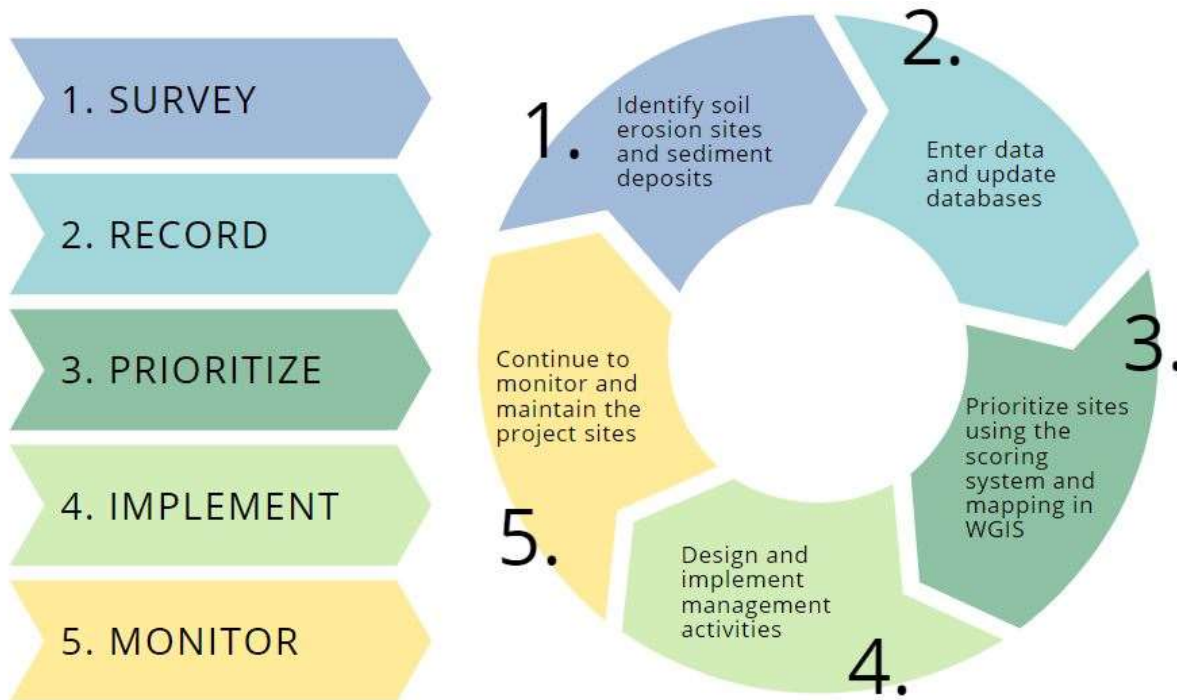
- Tessa Craig – Full Year
- Shayla Steinhoff – Fall/Winter



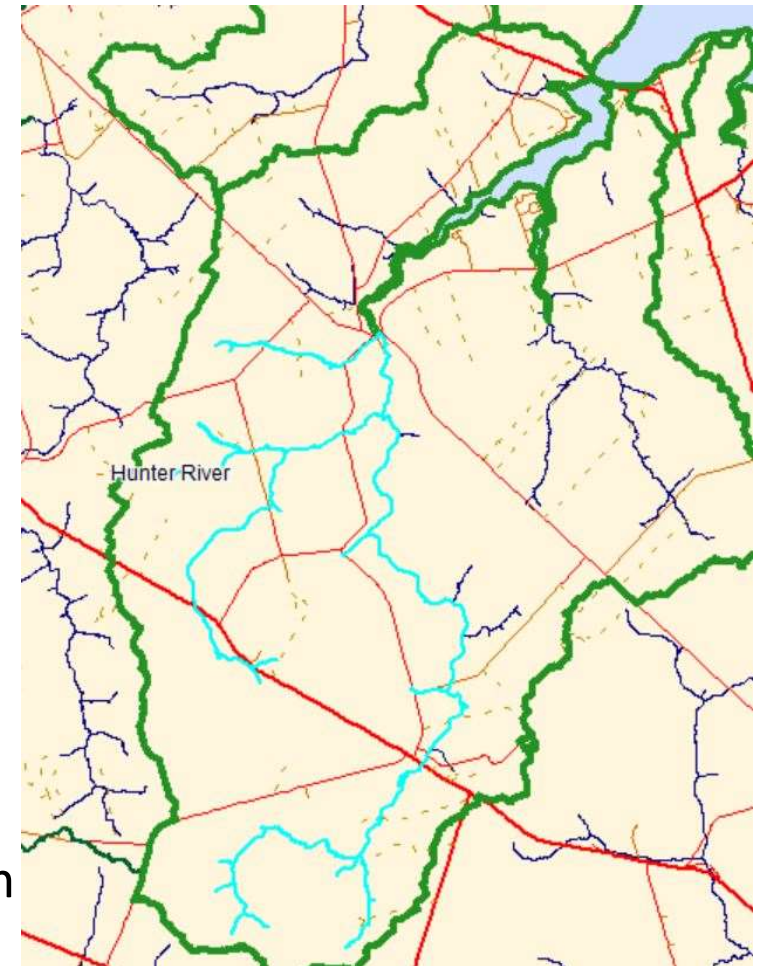
Training

- Chainsaw training
- First aid training
- Woodland ecology workshop
- Watershed training workshop
- Project management course

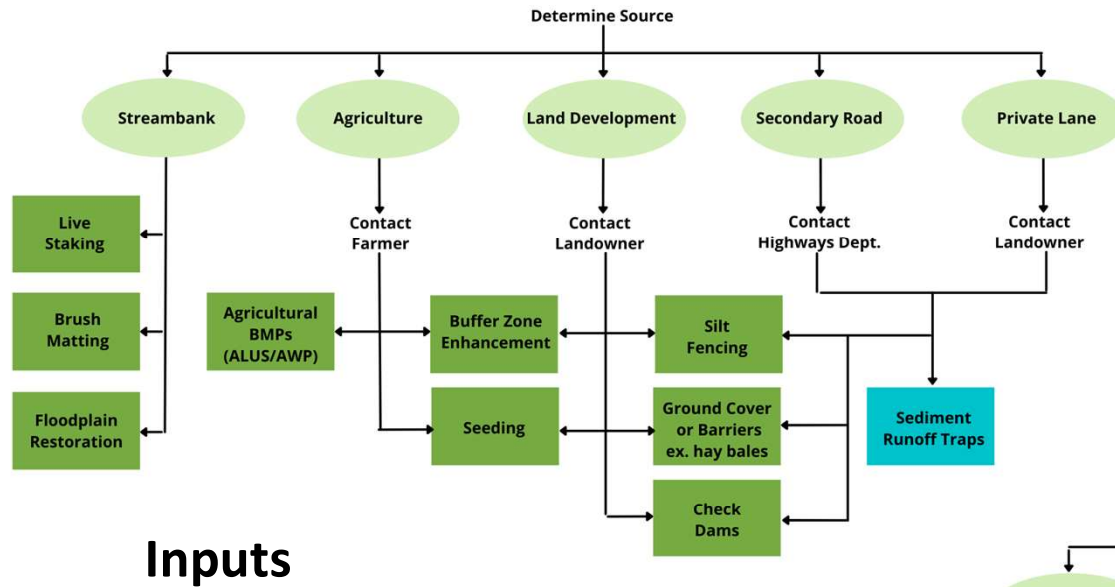
1. Develop a Sediment Management Plan



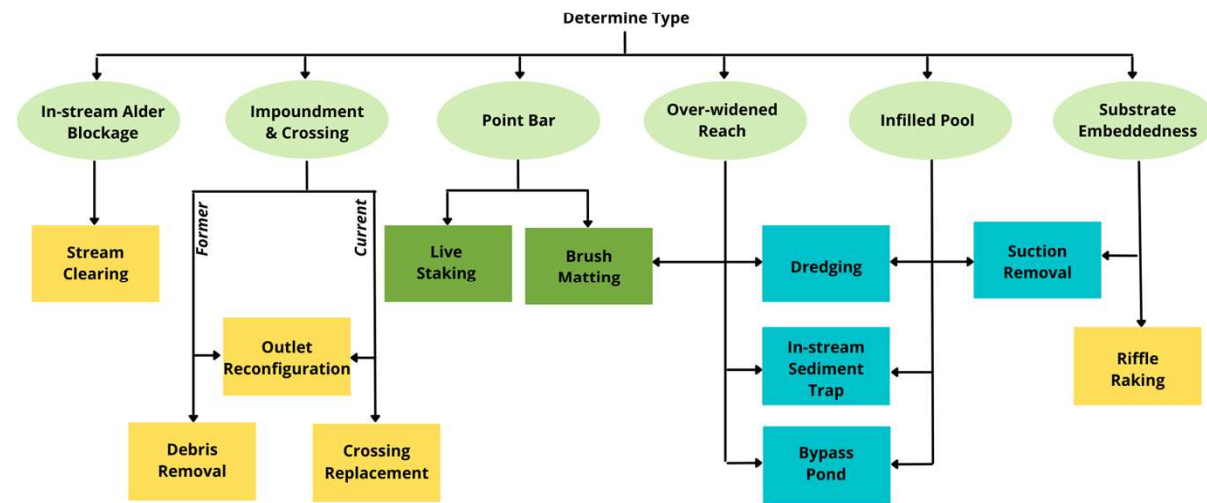
28.3 kms of stream surveyed in 2021



1. Develop a Sediment Management Plan



Deposits



2. Improve Riparian & In-Stream Habitat



**165 native
trees/shrubs
planted in
riparian areas**



**400 m of river bank
were live staked with
dogwood and/or
willow cuttings**

2. Improve Riparian & In-Stream Habitat



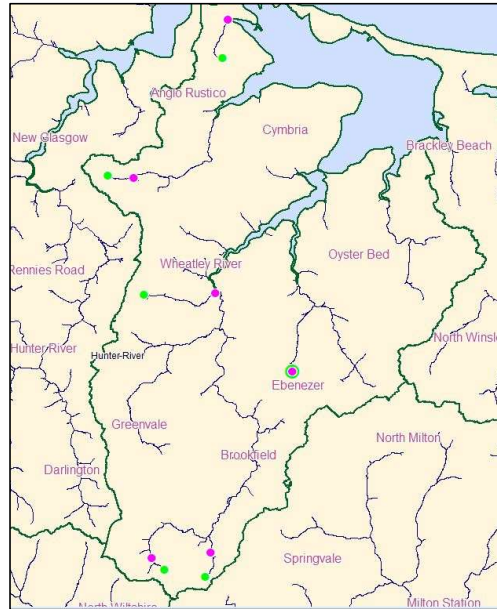
In-stream blockages were removed along **5 kms** of the SB of Wheatley River

>200 m of brush mats were constructed



3. Monitor Water Quality

Water quality monitoring was conducted at **20 sites** on a weekly basis in June, July & August

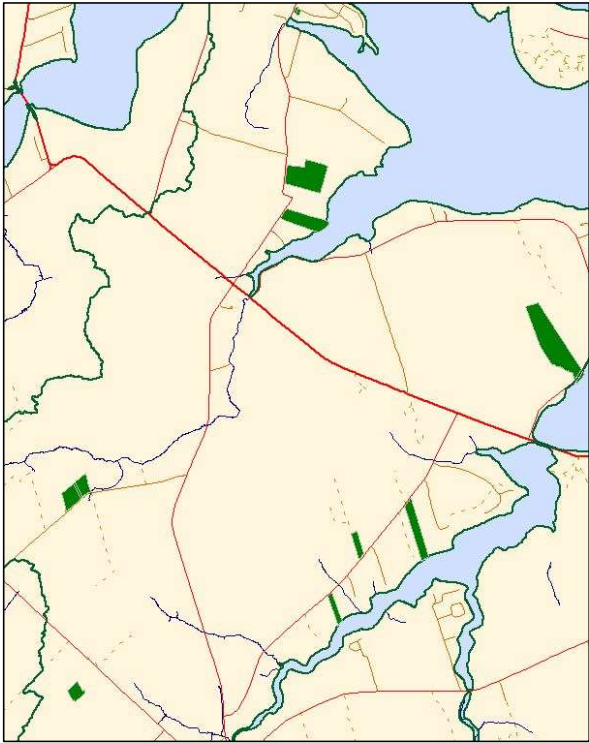


Headwater surveys were conducted at **10 locations** in spring and fall

Qualitative and quantitative surveys for signs of anoxia were conducted at **11 sites** in the OBB and Chapel Creek estuaries every 3 weeks



4. Improve Upland Wildlife Habitat



280 native trees/shrubs were planted on 8 upland parcels in the watershed to:

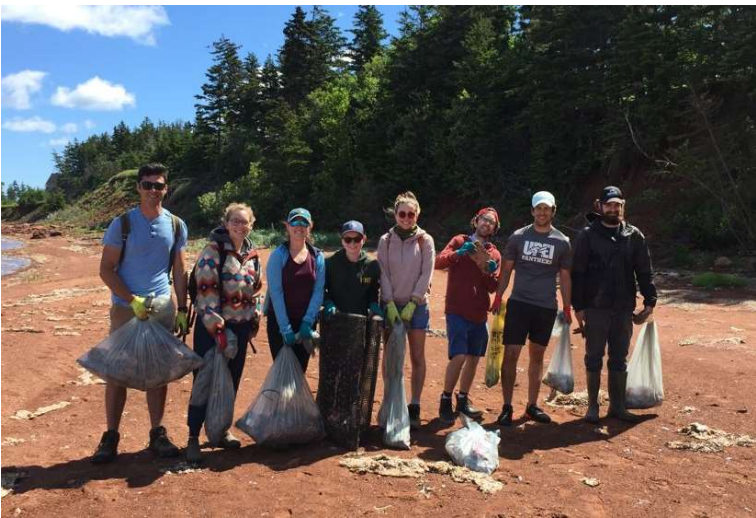
- Increase biodiversity
- Widen hedgerow
- Provide wind break
- Attract wildlife
- Prevent erosion



Nesting boxes were maintained & monitored:

- 25 Tree Swallow boxes
- 13 American Kestrel boxes
- 9 Wood Duck boxes

5. Community Outreach & Education



5. Rackham's Community Pond Improvements



2022 Summer Field Season

- Headwater surveys
- Water quality monitoring
- Survey & map problematic stream crossings
- Implement the sediment management plan
- Year 2 Climate Challenge Fund – restore deep-water habitat (large-scale sediment removal)
- Maintain & continue to improve Rackham's Pond area
- Community education and engagement events

