

CRD Regional Parks
2022 Island View Beach Regional Park Drainage Ditch Maintenance
Status as of July 13, 2022

Activities:

- Ditch maintenance activities at Island View Beach Regional Park (IVBRP) began on June 7, 2022.
- As of July 13, 2022, 168 hours has been spent hand clearing ditches in sections not accessible by heavy equipment due to soft soils (see photos next page). The work being completed includes:
 - the removal of logs placed by park users to cross the ditches
 - the removal of clumps of grass and horsetail that are slowing the movement of the water through the ditches
 - cutting back branches that are overhanging the ditches
 - clearing a one-metre-wide section of vegetation adjacent to the ditches to provide full access to mosquito contractor staff; this vegetation is being piled by staff elsewhere on site
 - all work is being completed by hand using pole saws, loppers, shovels, rakes and pitch forks
- Another 42 hours is needed to complete the ditching work in areas too wet for heavy equipment.
- Another pass will be required during the growing season in order to control vegetative regrowth. This will require another 100 hours of labour.
- 310 hours of labour will be required to complete the IVBRP project.
- Observations on the condition of the drainage ditch system include:
 - Water in the ditches moving in all sections prior to the drainage work
 - No significant increase in flow after debris was removed
 - No blockages in the ditches resulting in water backing up and/or overflowing
- Aqua-Tex Scientific Consulting Ltd.'s (Aqua-Tex) annual ditch survey is scheduled for July. This survey includes two days of field work, which is summarized into a report. The CRD will receive the report in August and will begin to implement the ditch maintenance recommendations identified in the report.
- If Aqua-Tex recommends using heavy equipment to clear the ditches, a contractor will be hired to conduct this work; depending on availability this could happen as early as August.

- Duka Environmental Services Ltd. (Duka), the contractor for the annual mosquito control program, started its work at Island View Beach in late January 2022 and will continue into late October. Duka provides a monthly summary of the control program to the CRD

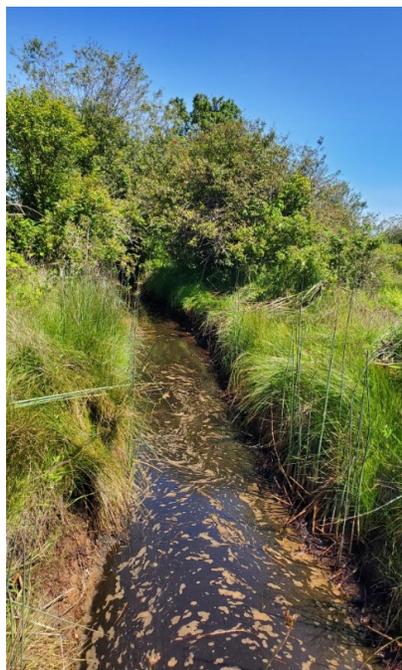
Before and After Photos of Ditch Clearing



Example 1



Example 2



Example 3



Example 4



Typical view of unimpeded IVBRP drainage ditch

Challenges:

- The ditch system starts on CRD land but one section of the ditch extends under a fence to private land. The photo to the right shows debris in the ditch on the private property (see also map on next page – black line indicates the location of this private property).
- Staff have observed what are believed to be stickleback fry in the ditches. This hinders further work being done in the ditches until a Section 11 permit from the Ministry of Environment and a permit from the Department of Fisheries and Oceans is obtained.





Status of IVBRP Drainage Ditch Maintenance Activities as of July 13, 2022

Ditch Colour

- Blue – completed
- Black – located on private property
- Red – not completed