



Lakeland Industry and Community Association

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Jessie Lake Tree Planting Project

Daily Field Report
August 26, 2022



Daily Field Report

Name of Assessor(s) K. Hellum	Assessment Type Visual Ground Assessment
Date 26-Aug-22	Location Between 42nd street and the causeway & 55th and 42nd street within the Town of Bonnyville

Weather

Sun
 Partial Cloud
 Cloud
 Rain

Dominant Woody Vegetation Cover

Balsam poplar, Willow spp., Red Osier Dogwood, Aspen, Wild Red Raspberry, Wild Rose, Green Ash

Dominant Herbaceous Cover

Quack grass, Smooth brome, KBG, Clover, Goldenrod, Yarrow

Dominant Invasive Species Type

Canada Thistle, Perennial Sow Thistle

Invasive Species Cover

High % Cover
 Medium % Cover
 Low % Cover
 Trace Amounts

Site Schematic



- Assessment Area
- No Trees Present

Assessment Details

LICA representative, K. Hellum, assessed the riparian area on the north side of Jessie Lake, located within the Town of Bonnyville limits, to determine the amount of woody vegetation that has established from the planting that was completed in 2020. The assessment concluded that the planted Red Osier Dogwood was found to be establishing well on most of the shoreline with the exception of two areas, which are lacking woody cover. These areas appear to be affected by grass mowing activities (see photos). Seedlings are approximately 0.5-0.75 m tall and are predicted to continue to establish if not mowed or outcompeted by invasive species.

A high density of Canada thistle is present in most of the riparian area. Most seedlings do appear to be outcompeting the thistle and within a year or two, should be taller in most areas. Canada thistle is considered a Noxious Weed according to the Alberta Weed Control Act and therefore must be controlled.

Recommendations

It is recommended that the high volume of Canada thistle be controlled by hand-pulling efforts and not chemically sprayed, due to its proximity to Jessie Lake. Controlling the density of Canada thistle will also aid in the establishment of desirable herbaceous and woody plant cover to support a healthy riparian area.

Mowing activities are recommended to leave a larger buffer zone intact between the water and the Jessie Lake Trail to allow for woody vegetation establishment in all areas around the Lake.



Photo 1

Description: Viewing high density of Canada thistle.



Photo 2

Description: Viewing area lacking woody cover.



Photo 3

Description: Viewing Red Osier Dogwood seedling.



Photo 4

Description: Viewing area lacking woody cover.



Photo 5

Description: Viewing Red Osier Dogwood seedling.



Photo 6

Description: Viewing Wild Rose.



Photo 7

Description: Viewing Red Osier Dogwood seedling.



Photo 8

Description: Viewing Willow spp., vegetation cover.