Dollar Lakes Aeration

A partnership proposal
for the
M.D. of Greenview 16

wildlife | fish | habitat

The Alberta Conservation Association (ACA) is a not-for-profit, nongovernment organization founded in 1997

Our Vision

An Alberta with an abundance and diversity of wildlife, fish and their habitats; where future generations continue to use, enjoy and value our rich outdoor heritage.

Our Mission

ACA conserves, protects and enhances fish and wildlife populations and their habitats for Albertans to enjoy, value, and use.

Alberta Conservation
Association

wildlife | fish | habitat

Dollar Lakes is located 30 km north of Valleyview on the west side of Highway 49
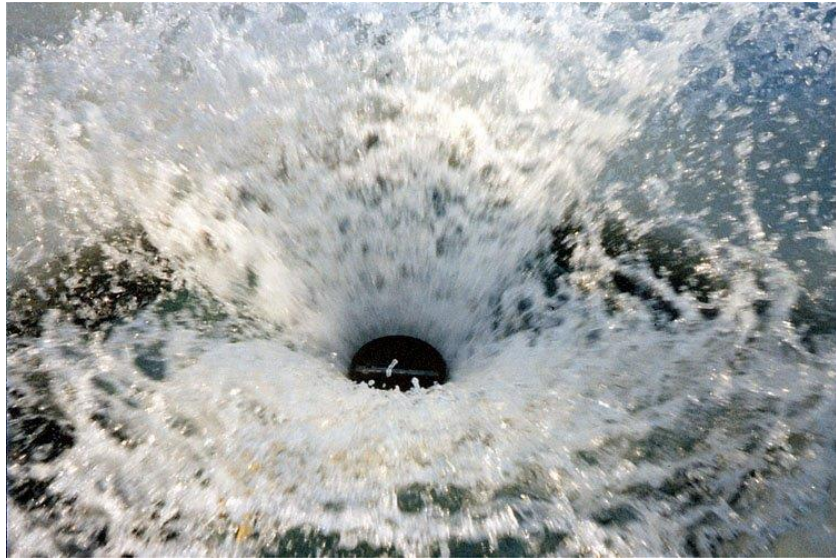
- East Lake S.A. 5.5 ha (13.5 ac)

- 8 m deep (26 ft)

- Aerated and trout stocked since 1985

- West Lake S.A. 6.8 ha (16.9 ac)

- 4.5 m deep (14 ft)

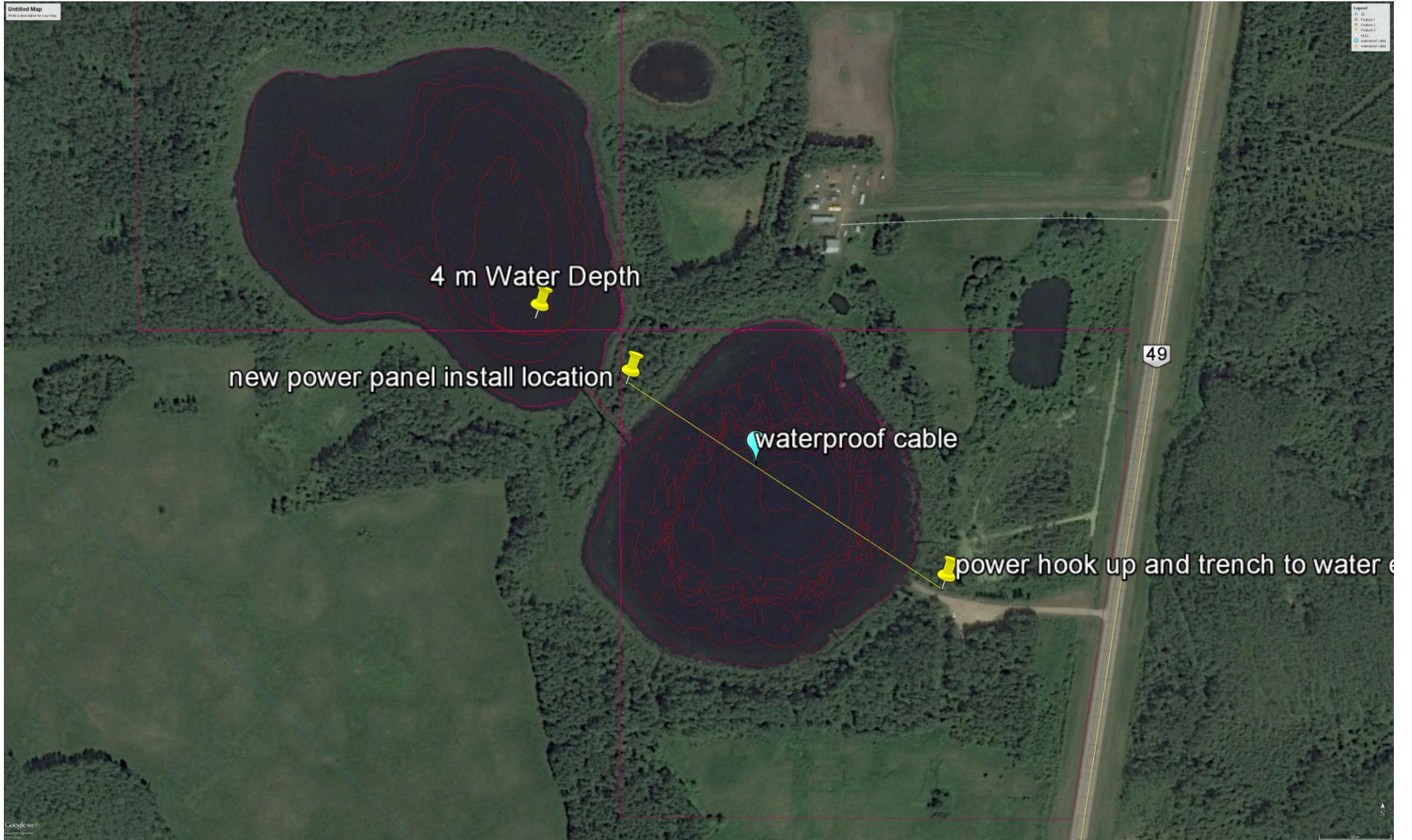- Aerated and trout stocked since 2018

How do we aerate?

- Aerator systems (look like small fountains when operating) create surface turbulence to capture oxygen from the air and circulates aerated water back into the lake

- October – April
  - With aeration we create an open hole hazard which we mitigate with a safety fence

4 m Water Depth

new power panel install location

waterproof cable

power hook up and trench to water e

East Dollar Lake Aeration

- Winter - Ice cover
- Safety fence installed
- 1, 1 hp aerator, 600 ft waterproof

West Dollar Lake Aeration - October

Stocked annually by GOA (brown, rainbow and tiger trout)

2300 – 2750 in the East lake,750 – 1200 in the West lake

Other Project Activities

- Safety fence – installation, inspection and maintenance

- Monthly winter dissolved oxygen monitoring (tracking water quality suitable for fish survival)

Multi department and organization Project site

- ACA Fisheries
  - Aeration, winter survival
- GOA – annual multi species trout stocking
- ACA Land Management
  - Fishery Access Site
    - Maintenance - Garbage, grass, bathrooms, docks, picnic tables

Aeration Cost

Locally NW - $ 72,000

- 7 waterbodies (incl Dollar Lakes)
  - Swan, Spring, Figure Eight, Sulphur and Cecil Thompson Pond
- Prov Regions - $ 165,000/yr
- 22 waterbodies

Manpower					
	staff	Avg wage	# of days		
aeration install	2	$225.00	1	$450.00	
safety fence install	4	$225.00	2	$1,800.00	
Safety fence inspections/Oxygen sampling	2	$225.00	6	$900.00	
In-field Aerator and/or cable replacement	2	$225.00	3	$1,350.00	**
aeration removal	2	$225.00	1	$450.00	
Safety fence removal	4	$225.00	1	$900.00	
Maintenance and Storage	2	$225.00	2	$900.00	
			Subtotal	$6,750.00	55%
Truck Expenses					
	Truck Use	Truck Charge $ 60/day	# of days		
aeration install	1	$60.00	1	$60.00	
safety fence install	2	$60.00	2	$240.00	
Safety fence inspections/Oxygen sampling	1	$60.00	6	$120.00	
In-field Aerator and/or cable replacement	1	$60.00	3	$180.00	**
aeration removal	1	$60.00	1	$60.00	
Safety fence removal	2	$60.00	1	$120.00	
Maintenance and Storage	1	$60.00	2	$120.00	
			Subtotal	$900.00	7%
Fuel					
	Tank Fill		# of trips		
truck	$125.00		16	$666.67	5%
Power					
Annual				$3,500.00	29%
Maintenance and Repairs					
Repair of cables/aerators/signage /safety fence			Subtotal	$357.14	3%
Office					
Planning, Reporting	1	$225.00	2	$64.29	1%
			total	$12,238.10	100.0%

**budgetted if needed

The Ask:

- Renewal 5k/year under a 5-year CPIC Agreement (starting 25/26 FY)

- MD logo presently highlighted on our CPIC website and on our Project sign

Corporate Partners in Conservation

The Corporate Partners in Conservation (CPIC) Program is our way of recognizing companies that play a vital role in supporting our work to conserve Alberta's fish, wildlife, and habitat. Committed partners help us to stretch our collective resources and make a real difference today and for years to come. We always have a variety of interesting projects on the go. To discuss opportunities that are a fit for your company, contact: *Ken Kranrod*, *Vice President, at (780) 410 1989 or* *Ken.Kranrod@ab-conservation.com*.

Future Improvements

Develop the beaver run

Upgrade the boat launch

Questions?