

Horseshoe Lake District AEPP Grant- 2020 and 2021

Description	When	Lake Organization Responsibilities	Consultant Responsibilities
Whole-lake, warm-water PI survey	2020 only	Review PI survey reports	Review PI reports and provide general support for PI survey
Surface water sampling including TP, Chl-A, Secchi, DO, and Temp May- Oct	May- Oct (2020, 2021)	Monthly collection of water quality samples May-October, and entering data into SWIMS database	Volunteer training and extended chemistry supply preparation and delivery
Collection of bottom water samples for Phosphorus and Iron testing at three sites	Aug-Oct (2020 only)	Collect and ship water samples	Volunteer training and sampling material delivery
Installation of staff gauge and recording of water level	2020 and 2021	Volunteer tracking and recording of water level on a weekly basis	Consultant support for water level tracking
Meeting to discuss 2019 storm damage repair projects	Not held due to COVID	Hold special meeting for property owners	Consultant support for property owner education
Re-evaluation of coarse woody habitat in and around the lake	Fall 2020 or spring 2021	Volunteer assistance for woody habitat survey	Conduct coarse woody habitat survey and process data collected
Create and post AIS education and information on LD webpage/ Facebook	Apr- Oct (2020, 2021)	Create and post AIS education and information on LD webpage/ Facebook	Consultant support and assistance creating/finding educational material
At least one summer workshop to teach property owners how to identify AIS and physically remove them	Jun-Aug (delayed to 2021)	Sponsor and promote AIS workshop	Consultant support and assistance for workshop
Review AIS signage and other aspects of public access at the public boat landing	2020 and 2021	Complete AIS signage and public access review using WDNR Aquatic Invasive Species Signage Report - Form 3200-152	NA
Repair, and replace AIS signage at the public boat landing	2021	Repair, and replace AIS signage at the public boat landing based on findings of review including a 4x4 decontamination sign and associated equipment	NA
ZM prevention, monitoring, and education	2020 and 2021	Install and monitor ZM plate sampler, setup decontamination station, and provide property owner education about prevention and monitoring of ZM	Consultant support for ZM prevention and education
CBCW (separent grants)	2021 (2020 limited)	Complete 200 hours of CBCW time at public access and enter data into SWIMS database	NA
CLMN shoreline and littoral zone AIS monitoring	May- Oct (2020, 2021)	Trained volunteer surveys of shoreline and littoral zone and entry of all data into SWIMS	Volunteer training and support for AIS surveys
Purple loosestrife surveys and removal	July-Sept (2020, 2021)	Volunteer surveys of PL around shoreline with GPS and physical removal where possible	Consultant support and training for PL surveys and mapping
HWM management planning for chemical treatment	Feb-Apr (2020,2021)	review and approval of HWM management plan	Prepare and modify (when needed) chemical management plan for HWM
Preparation of WDNR herbicide application permit	Mar-May (2020, 2021)	Review of and assistance preparing WDNR permit	Prepare the WDNR permit
Pre/Post-treatment point-intercept surveys	Apr-June (2020, 2021)	Volunteer to assist Aquatic Plant Surveyor and review of reports	Consultant support for pre/post-treatment PI survey work
Fall HWM bed mapping locating HWM beds, high density areas, and individual HWM plants	Sept-Dec (2020, 2021)	Volunteer to assist Aquatic Plant Surveyor and review of reports	General support from Consultant for survey
Complete an update of current APM plan	Complete by end of 2021	Review APM plan update	Complete update of current APM plan and submit to WDNR for approval
Informing LD constituents of grant and management activities	2020 and 2021	Posting and maintaining information on LD webpage/ Facebook page	Consultant support for maintaining accurate information
General project management and administration	2020 and 2021	LD administration of this project including general record keeping and final reimbursement requests	Consultant meeting preparation and attendance, daily phone and email communications, and annual project updates.

ZM- Zebra mussel

PL- Purple loosestrife

APM - Aquatic Plant Management

AIS - Aquatic Invasive Species

CLMN - Citizen Lake Monitoring Network

PI- Point-Intercept

LD- Lake District

CBCW- Clean Boats, Clean waters

DO/temp - Dissolved oxygen/temperature profiles