

Lake Front Property Owners Environmental Association of Spirit Lake
Strategic Plan Goals and Objectives
Board Approved September 2022

Goal One: Improve safe recreational opportunities for the community of Spirit Lake and the surrounding areas

Objective 1.1 Lake clean-up, removal of debris

Action Steps:

- Get approval from required agencies
 - ✓ Fish and Game
 - ✓ Hire contractor who will remove and dispose all debris
 - ✓ Communicate date, time and plan with internal stakeholders
 - ✓ Presentations at annual meeting (if appropriate)
 - ✓ Articles in the newsletter and on website
 - ✓ Flyers posted at boat launches
 - ✓ Flyers posted in businesses in Spirit Lake

Objective 1.2 Sustain a collaborative relationship with the City of Spirit Lake

Action Steps:

- Reestablish a working relationship based on common goals for Spirit Lake and its stakeholders
- Attend City Council Meetings
- Meet with Spirit Lake Police Department and Neighborhood Watch Meetings
- Report information to SLPOA Board and internal stakeholders (as appropriate)

Objective 1.3 Promote relationships with governmental agencies

Action Steps:

- Establish a working relationship based on common goals for Spirit Lake and its stakeholders, as needed
- Idaho Fish and Game
- Department of Agriculture
- Idaho Department of Lands
- Idaho Department of water Resources
- Idaho Department of Environmental Quality
- Idaho Department of Parks and Recreation

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Goal Two: Mitigate environmental impact on the waterway: improve water clarity and flow and prevent and manage potential flooding

Objective 2.1 Establish an effective water level control system

Action Steps – Replace Current Dam

- Contract for final engineering of the structure.
- Identify permitting agencies and prepare/submit permit applications.
- Identify and contact adjacent property owners and contact them concerning possible encroachment issues & permission.
- Obtain funding (on-going funding campaign).
- Obtain contractor bids for construction, review and except winning bid.
- Final construction:
 - ✓ Old dam demo
 - ✓ Site prep
 - ✓ New structure stake out
 - ✓ Purchase head gate
 - ✓ Concrete form construction
 - ✓ Concrete pour/finish
 - ✓ Head gate installation
 - ✓ Final permitting agencies sign-offs

Objective 2.2 Ongoing restoration, management and surface repair of the Mill Pond

Action Steps:

- Visually inspect bottom of the Millpond to monitor known leaks and discover new leaks
- Investigate more effective methods of fixing leaks
- Repair leaks that occur as they are discovered

Objective 2.3 Manage a water quality monitoring program

Action Steps

- Continue the Citizen Volunteer Monitoring Program sponsored by the Idaho Department of Environmental Quality (DEQ)
- Monthly from April through September collect water samples and have analyzed Phosphate, and Chlorophyll Analytical, Inc., Cda)
- Collect and record temperature and clarity data
- Identify sustained funding for sample analysis in the event the DEQ ceases funding
- Develop a back-up and succession plan for data and sample collection

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Objective 2.4 Study the need and impact of a replacement/modification of the causeway

Action Steps:

- Develop a list of possible pros & cons of a causeway modification.
- Contact controlling agencies for their opinion, suggestions and expertise.
- Locate and hire a Hydrologist to study and develop a report of modification options & anticipated results.
- Analyze, report and determine if SLPOA has the ability & capacity to engage in a “best option” project.

Goal Three: Take steps to protect natural lake flora and fauna

Objective 3.1 Manage bank stability, fish habitat and sediment flow from Brickel Creek

Action Step 3.1.1 - Bank Stability and Fish Habitat

- Brickel Creek Demo Project for Fish and Game – completed
- Work to acquire monetary support from foundations and organizations – completed
- Establish volunteer work group- completed
- Build Brickel Creek Improvement Plan for 2017 – completed
- Hydrologist to review and oversee project plan – completed
- Build 500 ft of HIP improvement – completed
- Collaborate with appropriate governmental agency(ies) to establish no-wake or no-motorized watercraft designation for Brickel Creek
- Collaborate with agency(ies) and property owners to establish and maintain signage and develop educational opportunities to inform boaters of restrictions (example sign: sensitive fish spawning habitat – no motorized watercraft permitted)

Action Step 3.1.2 – Fish Habitat and Sediment Flow

- Resume monitoring Brickel Creek
- Establish funding for analysis
- Two collection sites are established
- Identify volunteer(s) for ongoing sample collection
- Request hydrology recommendation for appropriate samples
- Determine sample period and frequency (i.e., monthly in which months?)
- Sample depth and flow
- Sample and analyze creek fauna

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Action Step 3.1.3 – Sediment Flow

- Develop a plan to monitor sediment level forming at the mouth of Brickel Creek
 - ✓ Research appropriate monitoring strategies
 - ✓ Determine objectives for monitoring (if sediment is accumulating what are the consequences over time, can it be mitigated, what options are there for intervention?)
 - ✓ Acquire funding for monitoring
 - ✓ Establish volunteer group to establish and sustain monitoring over time

Objective 3.2 Identify and control invasive plant and animal species

Action Step 3.2.1

- Provide photographic identification of invasive species occurring in the lake to the board
- Educate internal and external stakeholders of occurring invasive species in Spirit Lake and known invasive species
 - ✓ Presentations at annual meeting
 - ✓ Annual articles in the newsletter and on website
 - ✓ Flyers posted at boat launch
- Provide maintenance and removal of invasive species from Spirit Lake

Objective 3.3 Explore methods to minimize bank erosion

Action Step 3.3.1

- Continue to work with the County Commission on a plan for bank erosion control
- Educate internal and external stakeholders on the cause and effect of bank erosion in Spirit Lake
 - ✓ Presentations at annual meeting
 - ✓ Annual articles in the newsletter and on website
 - ✓ Flyers posted at boat launch