

## Update on Recreation Stabilization Projects (NPS)

March 30, 2015

Since the Lake Chelan Project was implemented in 2009, the NPS has been working to complete a number of projects as part of the funding available for Erosion Control (LC02a), Recreational Stabilization (LC11e1c) and Recreational Enhancements (LC11e1b) within Lake Chelan National Recreation Area boundaries.

Although progress has been made to accomplish identified project work within the anticipated and planned schedules and timelines, work has been hampered by delays in permit approval for shoreline work from the Army Corp of Engineers, as well as significant changes in Business Administration Management for the National Park Service. The Changes to Business Administration has challenged the Service's ability to hire and maintain staff within project windows (periods of time when the work needs to be done), and caused significant delays in budget reconciliation and billing as the National Park Service has transitioned to a centralized process for most business administration accounting and hiring processes. Collectively, these issues have delayed the NPS in executing work and billing for completed project spending according to the timelines established as part of the Annual Work Plans for LC02a, LC11e1c and LC11e1b.

Following is a brief review of the work accomplished under these articles since Project Implementation in 2008/2009:

### 2008/2009

1. LC11e1b Rec. Enhancement
  - a. Purchase and install Toilet at **Manley Wham Campground**
  - b. Bill for Administrative Costs
2. LC11e1c Rec. Stabilization
  - a. Begin work at Site #75, **Stehekin Valley Road (Access Rd.)**
3. LC02a Erosion
  - a. Research and prep work for purchase of Barge

### 2010

1. LC11e1b Rec. Enhancement
  - a. Removable of unserviceable docks at **Weaver Point**; Clean-up campground and facilities
  - b. Administrative Costs
2. LC11e1c Rec. Stabilization
  - a. Continued work at Site 75 **Stehekin Valley Road (Access Rd.)**
3. LC02a Erosion
  - a. Purchase of Barge and Crane; set up of equipment
  - b. NPS Maintenance Boat upgrades
  - c. Initiate and complete work at Site 79 **Lakeshore Trail**
  - d. Some LWD crew work completed after late summer flooding event

### 2011

1. LC11e1b Rec. Enhancement
  - a. Weaver Dock replacement pending (no expenditures)
2. LC11e1c Rec. Stabilization
  - a. Complete work at Site 210 **Stehekin Landing**
3. LC02a Erosion
  - a. Complete Site 79 **Lakeshore Trail**
  - b. Complete Site 109 **Lakeshore Trail**
  - c. Additional Boat Upgrade work

- d. LWD crew work in support of sites 79 and 109

#### 2012

1. LC11e1b Rec. Enhancement
  - a. Cabana Swimming Area and Boat Launch – *Pending Permit Approval*
2. LC11e1c Rec. Stabilization
  - a. Reveg left on sites 75 and 210 **Stehekin Access Rd, Stehekin Landing**
  - b. Staging work for Site 71 **Weaver Point**
3. LC02a Erosion
  - a. No work (no flooding event)

#### 2013

1. LC11e1b Rec. Enhancement
  - e. Cabana Swimming boat Launch Area – *Pending Permit Approval*
2. LC11e1c Rec. Stabilization
  - a. No work (*pending permit approval for sites 71 and 72*) **Weaver Point, Stehekin Rd**
3. LC02a Erosion
  - a. No work (no flooding event)

#### 2014

1. LC11e1b Rec. Enhancement
  - a. Cabana Swimming and Boat launch Area – *Pending Permit Approval*
  - b. Initial Work done on **Purple Point** Overflow Campsite Toilet
2. LC11e1c Rec. Stabilization
  - a. Site 75 Reveg completed **Stehekin Access Rd**
  - b. **Weaver Point** Work completed (partial billing 4<sup>th</sup> quarter; complete billing by 1<sup>st</sup> quarter, 2015)
3. LC02a Erosion
  - a. No flooding event (no work)

#### 1<sup>st</sup> and 2<sup>nd</sup> Quarter 2015

1. LC11e1b Rec. Enhancement
  - a. Cabana Swimming and Boat launch Area – *Pending Permit Approval*
  - b. **Purple Point** Toilet Completed
2. LC11e1c Rec. Stabilization
  - a. **Weaver Point** Work Completed
  - b. Site 110 **Lakeshore Trail** Site work completed

#### **EARLY 2014 UPDATES**

In late fall, 2014 NPS finally received permit approval to conduct work at two project sites within Lake Chelan National Recreation Area. The Park has been waiting for permit approval for over a year; thus delaying initiation and project work at several funded sites within LACH boundaries.

Higher Lake Levels during the winter of 2014/2015 allowed park staff to nearly complete work at Site 110 Lakeshore Trail and Site 71 Weaver Point. In prior seasons, the lake level window is narrow enough that NPS staff have to begin work immediately after the footer portion of each site is dry and then work hard to complete the site before the lake drops so much that the top portion of the rock wall cannot be reached with the boom (i.e. for dispersal of rock material). Although Park staff were able to accomplish the majority of rock wall work (building the wall and then backfill behind it) this season, the schedule for completion is not normal because of the generally lower lake levels during winter and spring months. For 2014/2015 winter work, park staff would not have been able to accomplish and almost complete work at two sites, if the lake hadn't stayed so high all winter.

In a normal season, the best case scenario would be to get one good sized site project completed, getting rocks and larger rock material set in the spring (working until the lake levels dropped to the point of having to stop the project), and then following up again in the fall (when lake levels are sufficient) with backfill behind the established wall. The idea would be to complete one project per year, unless lake levels support an extended window of opportunity for working at the established locations.

The 2014/2015 winter season was the first season that park staff had been able to fully utilize the Barge and Crane purchased in 2009/2010. Park staff were able to make the necessary adjustments to equipment and the lake levels allowed an extended period of time for use of the barge. The barge was in service almost daily from the beginning of December through the end of February for use in accomplishing work at sites 110 and 71; as such, both projects are nearly complete.

Photos from Work being done at **Site 110** (December 2014 through February, 2015):















