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Portland, OR 97232

Electronically filed February 27, 2023

Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street, NE  
Washington, DC 20426

**Subject: Bear River Hydroelectric Project (FERC No. P-20)**  
**Article 401: 2022 Annual Summary of License Implementation**  
**and Compliance**

Dear Ms. Bose:

Article 401 of the Bear River Hydroelectric Project FERC License Project No. P-20 requires filing a detailed progress report annually for Commission approval throughout the term of the license. This letter transmits the 2022 Annual Summary of License Implementation and Compliance (Report). Per Article 401 the report must include:

- A description of activities, including final reports of any studies or monitoring, including data analysis, and conclusion, that the licensee undertook or prepared pursuant to the requirements of the license during the previous year;
- A description of anticipated activities to be undertaken during the upcoming year pursuant to the requirements of the license; and
- A report of all funding accounts including funds spent, balances of accounts, and available remaining funds.

The Report was prepared based on notes from Environmental Coordination Committee (ECC) meetings and grant fund project reports from ECC members. A draft of the Report was distributed to the ECC for a 30-day comment period that ended February 16, 2023. No comments were received from the ECC. Copies of the Report will be mailed to stakeholders upon request. The Report is posted on PacifiCorp's Bear River Hydroelectric Project Webpage.

This letter and its attachments have been filed electronically. The security classification of each component in this filing is shown in the enclosure table. If you have any questions concerning this information, please contact Mark Stenberg at (208) 339-9552 or [mark.stenberg@pacificorp.com](mailto:mark.stenberg@pacificorp.com).

Sincerely,

A handwritten signature in blue ink, reading "William C. Shallenberger".

William C. Shallenberger  
Vice President, Renewable Resources

WCS:MJS:DS

Kimberly D. Bose, Secretary  
Bear River Hydroelectric Project (FERC No. P-20)  
2022 Annual Summary of License Implementation and Compliance  
February 27, 2023  
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<b>Encl:</b>	Letter – Public
	2022 Annual Summary of License Implementation and Compliance – Public
	Oneida Development Water Year 2022 Operations Report – Public

<b>eFile:</b>	Kimberly D. Bose, Secretary via eFile at <a href="http://www.ferc.gov">www.ferc.gov</a>
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# Bear River Hydroelectric Project

*FERC Project No. P-20*



## 2022 Annual Report

*Summary of License Implementation and Compliance*

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*February 27, 2023*

***On the cover:*** Stauffer Creek habitat enhancement project site near Nounan, Idaho. Spearheaded by the U.S. Forest Service and Trout Unlimited, the project will improve fish passage, water quality, and riparian and aquatic habitat on lower Stauffer Creek, a priority stream for Bonneville cutthroat trout in Idaho.

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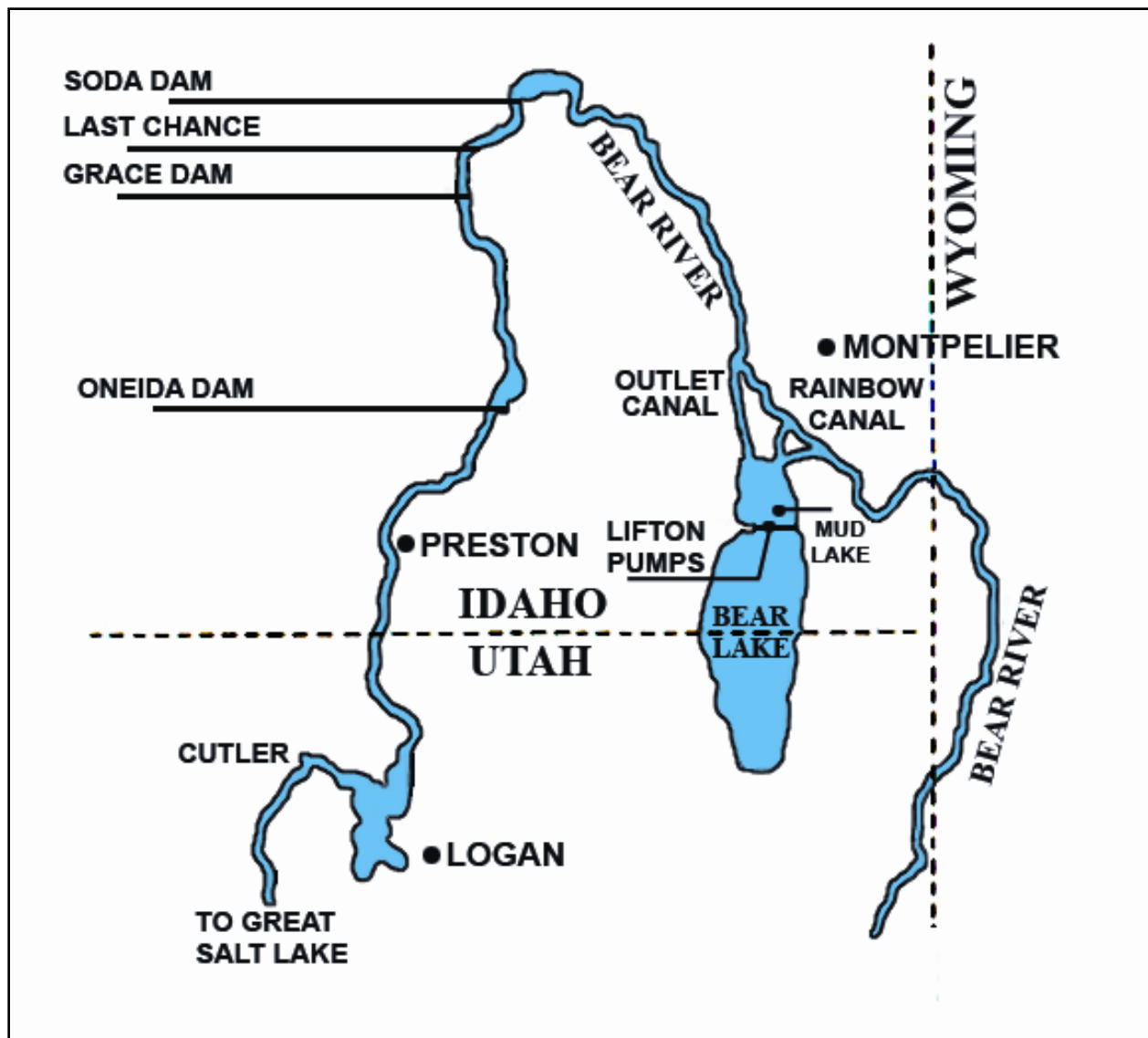


Figure 1. The Bear River Hydroelectric Project in southeastern Idaho, with facilities owned and operated by PacifiCorp at Soda, Grace, and Oneida.

# Bear River Hydroelectric Project 2022 Annual Report

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## *Summary of License Implementation and Compliance*

### **1.0 Introduction**

Located on the Bear River in southeastern Idaho, the Bear River hydroelectric developments consist of three reservoirs and powerhouses that together have a total installed capacity of 77 megawatts of electrical generation: the Soda, Grace, and Oneida developments. Construction of these developments, known collectively as the Bear River Hydroelectric Project (FERC Project No. P-20) was authorized by the U.S. Secretary of Interior in 1907 for irrigation, flood control, and hydroelectric generation. Construction of the dams began in 1909 and was completed in 1927, during which time they were originally licensed. A fourth hydroelectric development, Cove, was part of the original hydroelectric project and was decommissioned in 2006.

The company acquired water rights from various holders during the development years of these projects in exchange for perpetual contracts to deliver irrigation water from Bear Lake. Water rights were further defined by court decrees, the Bear River Compact (as revised), and other subsequent agreements. The Bear River Project is largely dependent on irrigation water pumped from Bear Lake into the river system to generate power.

Between 1976 and 1981, the Federal Energy Regulatory Commission (FERC) issued new licenses for the Soda, Grace-Cove, and Oneida projects. These FERC licenses expired in October 2001.

In the late 1990s, as the expiration of the licenses approached, PacifiCorp initiated the relicensing process. After extensive studies and agency consultation, this process culminated in the signing of the Bear River Settlement Agreement (Settlement Agreement) August 28, 2002.

The FERC approved the Settlement Agreement and issued a new 30-year license for the Bear River Project December 22, 2003. The Settlement Agreement and new license requires the provision of recreation enhancements, minimum instream flows to benefit aquatic resources, funds to conserve and benefit natural resources within a defined action area, and other measures related to land management, protection of cultural resources, and restoration of Bonneville cutthroat trout (BCT). The Environmental Coordination Committee (ECC), a stakeholder group comprised of signatories to the Settlement Agreement, was formed to consult and make decisions regarding the use of funding, and implementation of the license and Settlement Agreement requirements.

The Settlement Agreement (Section 4.6) and License Article 401 specify that a detailed annual report on the activities of the ECC and implementation of protection, mitigation, and enhancement (PM&E) measures be prepared yearly throughout the term of the license.

This annual report fulfills these requirements for the report period of calendar year 2022.

## **1.1 Background**

On September 27, 1999, PacifiCorp filed applications for new licenses for the continued operation of the Soda, Grace, Cove, and Oneida hydroelectric developments, now known collectively as the Bear River Hydroelectric Project in Caribou and Franklin counties, Idaho.

A number of motions to intervene in the relicensing proceedings were filed by state and federal agencies, non-governmental agencies, and individuals. On February 13, 2002, the FERC issued a “Ready for Environmental Analysis” notice for the Bear River Hydroelectric Project.

On September 25, 2002, PacifiCorp filed an Offer of Settlement pursuant to the FERC Rule 602, 18 Code of Federal Regulations § 385.602 to resolve issues concerning the relicensing of the Bear River Hydroelectric Project.

Parties to the Settlement Agreement include PacifiCorp, U.S. Fish and Wildlife Service (USFWS), Bureau of Land Management (BLM), National Park Service (NPS), USDA-Forest Service (USFS), Shoshone-Bannock Tribes (Tribes), Idaho Department of Environmental Quality (IDEQ), Idaho Department of Fish and Game (IDFG), Idaho Department of Parks and Recreation (IDPR), Idaho Council of Trout Unlimited (TU), Idaho Rivers United (IRU), Greater Yellowstone Coalition (GYC), and American Whitewater (AW).

A draft environmental impact statement (EIS) was prepared and issued for public comment November 1, 2002. The final EIS was issued April 11, 2003. Both the draft and final EISs recommended adoption of the Settlement Agreement terms.

A FERC order approving the Settlement Agreement and issuing a new 30-year license for the Bear River Project was issued December 22, 2003. Copies of the Settlement Agreement and the License are available from the FERC upon request or on PacifiCorp’s website at:  
<https://www.pacificorp.com/energy/hydro/bear-river.html>.

The license required study of alternatives, including decommissioning, for the Cove hydroelectric development near Grace, Idaho. After alternative analysis, an agreement was reached with stakeholders and regulators to decommission Cove. PacifiCorp signed the Cove Settlement Agreement July 20, 2005. FERC issued the Cove Decommissioning Order May 23, 2006, and the dam and water conveyance structures were removed during the summer of 2006. Reclamation of the Cove project area, including the former dam and flume sites, was completed by late fall of 2006.

## **1.2 Environmental Coordination Committee**

Section 4 of the Settlement Agreement establishes a process to facilitate coordination and decision-making concerning implementation of Settlement Agreement measures, which was adopted in Article 402 of the new license. To accomplish this objective, Section 4.1 of the Settlement Agreement provides for the creation of the ECC consisting of representatives from the signing parties. The purpose of the ECC, discussed in Section 4, is to: 1) facilitate coordination and consultation on plans developed by PacifiCorp for the implementation of PM&E measures; 2) propose and approve appropriate PM&E measures; 3) establish appropriate monitoring criteria to evaluate the effects of PM&E measures; 4) coordinate the implementation of PM&E measures; 5) establish appropriate procedures for conducting activities; and 6) establish subcommittees, as necessary, to accomplish these objectives.

## **1.3 Report Organization**

This annual report provides the following information:

- Section 2.0 - Environmental Coordination Committee Activities
- Section 3.0 - Accomplishments
- Section 4.0 - Funding
- Appendix A: ECC Members, Alternates, and Authorized Signatories
- Appendix B: Grace-Cove Site Plan Compliance Monitoring and Performance Tracking
- Appendix C: Cove Shoreline Buffer Fence Annual Monitoring Report
- Appendix D: Oneida Site Plan Compliance Monitoring and Performance Tracking
- Appendix E: Soda Site Plan Compliance Monitoring and Performance Tracking
- Appendix F: Grace Dam and Last Chance Site Plan Compliance Monitoring and Performance Tracking
- Appendix G: Habitat Enhancement Project Monitoring
- Appendix H: 2023 Implementation Schedule

## **1.4 Reports and Studies Completed in 2022**

- The Oneida Development Water Year 2022 Operation Report was completed during the 2022 reporting period and submitted to the Idaho Department of Environmental Quality. A copy of the report is submitted along with this annual report to the FERC.
- The Historic Properties Management Plan Implementation 2021 Report was completed during 2022 and submitted to FERC, BLM, the Shoshone-Bannock Tribe, and the Idaho State Historical Preservation Office.

## **2.0 Environmental Coordination Committee Activities**

This section provides an overview of ECC roles and responsibilities according to the Settlement Agreement and as subsequently implemented in compliance with License Article 402. It also presents a summary of ECC meetings held during the 2022 report period, including major discussion points and decisions made at each meeting.

### **2.1 ECC Roles and Responsibilities**

The purpose and role of the ECC, as defined in Section 4.1 of the Settlement Agreement, is to facilitate coordination and implementation of PM&E measures. Specifically excluded from ECC responsibility and authority is the release of water from Bear Lake for any reason.

The structure and process of the ECC is intended to provide a forum to address time-sensitive matters; provide early warning of problems; and coordinate member organization actions, schedules, and decisions to save time and expense. The ECC strives to make collaborative decisions, based on consensus, while implementing the Settlement Agreement and the License.

The ECC is responsible for the following measures, pursuant to the Settlement Agreement (Section 4.1):

- Identify and prioritize implementation projects (habitat enhancement and land and water acquisition).
- Facilitate coordination and consultation between PacifiCorp and the other parties on plans developed by PacifiCorp for the implementation of PM&E measures.
- Coordinate and monitor implementation of PM&E measures and review ongoing monitoring requirements by PacifiCorp.
- Propose and approve PM&E measures for BCT and other aquatic resources pursuant to the Settlement Agreement.
- Review and comment on the draft annual report of ECC activities and implementation of the PM&E measures.
- Establish appropriate procedures for conducting its activities consistent with the Settlement Agreement, including protocols for public involvement and community outreach.
- Establish subcommittees as necessary for the purpose of achieving objectives described above and determining size, membership, and procedures of such committees.

## 2.2 ECC Members

The parties to the Settlement Agreement have each appointed a member and an alternate to the ECC. Appendix A lists the members, their alternates, and authorized signatories.

During the 2022 reporting period, the ECC held five regular meetings in Pocatello, Idaho. The primary purpose of the meetings was to report on and coordinate grant fund projects and to remain informed of progress on the BCT conservation hatchery program. Formal ground rules established and adopted by the ECC provide the functional framework for this collaborative work. ECC member participation in meetings during 2022 is shown in Table 1.

**Table 1. ECC Member Meeting Participation during 2022**

ECC Member	Affiliation	ECC Meeting Date				
		1/19	3/25	5/18	8/17	12/07
Ryan Beatty Michael Kuyper, Alternate	Bureau of Land Management	X	X	X	X	X
Allison Michalski Kathy Rinaldi, Alternate	Greater Yellowstone Coalition					
Kevin Lewis/Nick Kunath	Idaho Rivers United					X
Carson Watkins/Patrick Kennedy Ryan Hillyard, Alternate	Idaho Department of Fish and Game	X	X	X	X	X
Keith Jones Andy Stokes, Alternate	Idaho Department of Parks and Recreation		X			X
Matt Bringham Jeremy Jirak, Alternate	U.S. Fish and Wildlife Service	X	X	X		X
Charlie Vincent Kevin Colburn, Alternate	American Whitewater	X	X	X	X	X
Hunter Osborne	Shoshone-Bannock Tribes					
Corey Lyman Lee Mabey, Alternate	USDA-Forest Service		X	X	X	X
Jim DeRito Warren Colyer, Alternate	Trout Unlimited	X	X	X	X	X
Lynn Van Every/Jennifer Cornell Matt Schenk, Alternate	Idaho Department of Environmental Quality	X	X	X	X	X
Susan Rosebrough Dan Miller, Alternate	National Park Service					
Mark Stenberg Eve Davies, Alternate	PacifiCorp	X	X	X	X	X

ECC members also conducted field reviews of conservation properties and projects on June 15 and October 19, 2022. In addition, an ECC subcommittee met to review and rank habitat enhancement fund proposals on April 20, 2022.

## **2.3 Overview of the Meetings**

This section summarizes the issues covered and areas of consensus reached during ECC meetings over the 12-month report period.

### **ECC Meeting #1 – January 19, 2022**

- Reviewed the ECC’s 2022 calendar, ECC fund balances, and the 2022 grant process.
- Heard updates on habitat enhancement projects, the Paris Creek restoration agreement, and PacifiCorp’s Dry Canyon project.
- Received updates on current land and water projects from Sagebrush Steppe Land Trust (SSLT).
- Discussed the 2022 Regional Conservation Partnership Program (RCPP) funding cycle with SSLT.
- Heard information on SSLT’s stewardship coordinator position.

### **ECC Meeting #2 – March 25, 2022**

- Reviewed the ECC’s calendar, fund balances, and the 2022 grant process.
- Heard updates on the 2021 annual report, Paris decommissioning and the Paris Creek reclamation agreement, and current habitat enhancement projects.
- Reviewed 2022 habitat enhancement proposals and identified outstanding information needs.
- Received updates on current land and water projects from SSLT.
- Heard a request for an ECC letter of commitment for SSLT’s RCPP grant application.

### **Funding Proposal Subcommittee Meeting – April 20, 2022**

- Reviewed and ranked 2022 habitat enhancement grant proposals. Six applications were considered for funding.

### **ECC Meeting #3 – May 18, 2022**

- Reviewed the ECC’s calendar and email decisions.
- Heard updates on ECC fund balances, current habitat enhancement projects, and Paris decommissioning.
- Received an update on Mink Creek fisheries from IDFG.
- Reviewed and approved the Grant Fund subcommittee’s recommendations for 2022 habitat enhancement projects. Six projects were approved, totaling \$302,420.00.

- Discussed adopting a watershed approach to habitat enhancement projects for the benefit of Bonneville cutthroat trout.
- Received updates on current land and water projects from SSLT.
- Reviewed the B&R Ranch conservation easement budget.
- Heard proposals for 2022 land and water projects from SSLT. Designated four properties as conservation easement subject properties and scheduled site visits.

### **Field Review – June 15, 2022**

- Held site visit to conservation easement subject properties with SSLT, including three on Station Creek and one on Mink Creek.

### **ECC Meeting #4 – August 17, 2022**

- Reviewed the ECC's calendar and email decisions.
- Heard updates on ECC fund balances, habitat enhancement projects, and Paris decommissioning.
- Continued discussion of adopting a watershed approach to habitat enhancement projects.
- Heard updates on current land and water projects from SSLT.
- Discussed the June 15 field review of projects/site visits and next steps.
- Affirmed Hygge/Mink Creek and Westerberg/Station Creek as subject properties.
- Reviewed and approved an increase in SSLT's annual staff funding to \$40,000.00.
- Planned an October field review of projects.

### **Field Review – October 19, 2022**

- Held field visits to the Bartschi/Stauffer Creek project and to fish screens on the Thomas Fork.

### **ECC Meeting #5 – December 7, 2022**

- Reviewed the ECC's calendar and email decisions.
- Heard updates on the October field review of projects, ECC fund balances, current habitat enhancement projects, and Paris decommissioning.
- Heard updates on current land and water projects.
- Received a progress report on the B&R Ranch conservation easement, including a review of due diligence, the project scoping report, and budget.

- Approved an additional funding request from SSLT for the B&R Ranch conservation easement in the amount of \$6,600.00 to fund a Phase I environmental assessment.
- Approved a funding request from SSLT for the Larsen fee-owned property in the amount of \$13,000.00 for replacement of the northern boundary fence.
- Reviewed past land and water project proposals for possible future consideration.
- Discussed potential for ECC partnership for appraisals on USFWS projects.
- Reviewed and approved SSLT's annual maintenance invoice in the amount of \$16,423.83 for management and monitoring of conservation easements and fee-title properties.
- Discussed SSLT's current and planned future approach to staffing annual monitoring and maintenance activities.

### **Consensus Decisions Made by E-mail Vote**

In 2006, the ECC agreed to consensus decision-making by email vote. The following consensus decisions were made by ECC members via email vote during 2022:

- 1) Expediated approval of 2022 screen tender funding in the amount of \$35,670 to IDFG. Vote called March 16, 2022.
- 2) Approved PacifiCorp and American Whitewater's proposal to delay the final 2022 whitewater boater flow (May 14 & 15, 2022) to fall (September 10 & 11, 2022) due to the continued outage of Unit 3 at the Grace plant. Vote called May 3, 2022.
- 3) Approved an ECC letter of support for SSLT's 2022 RCPP application to the Natural Resources Conservation Service (NRCS). Vote called April 4, 2022.
- 4) Approved a budget increase of \$30,247.28 for the B&R Ranch conservation easement, bringing the ECC's total commitment to \$695,897.28. Vote called June 16, 2022.
- 5) Approved draft August ECC meeting notes. Vote called October 12, 2022.

Email voting participation by ECC members during 2022 is shown in Table 2.

**Table 2. ECC Member Participation in Email Voting during 2022**

ECC Member	Affiliation	Email Vote <sup>1</sup>				
		1	2	3	4	5
Ryan Beatty Michael Kuyper, Alternate	Bureau of Land Management	yes	yes	yes	yes	yes
Allison Michalski Kathy Rinaldi, Alternate	Greater Yellowstone Coalition	--	yes	yes	--	--
Kevin Lewis/Nick Kunath	Idaho Rivers United	--	--	--	--	--
Carson Watkins/Patrick Kennedy Ryan Hillyard, Alternate	Idaho Department of Fish and Game	yes	yes	yes	yes	yes
Keith Jones Andy Stokes, Alternate	Idaho Department of Parks and Recreation	--	--	--	yes	yes
Matt Bringham Jeremy Jirak, Alternate	U.S. Fish and Wildlife Service	yes	yes	yes	yes	yes
Charlie Vincent Kevin Colburn, Alternate	American Whitewater	yes	yes	yes	yes	--
Hunter Osborne	Shoshone-Bannock Tribes	--	--	--	yes	yes
Corey Lyman Lee Mabey, Alternate	USDA-Forest Service	yes	--	yes	yes	yes
Jim DeRito Warren Colyer, Alternate	Trout Unlimited	yes	yes	yes	yes	yes
Lynn Van Every/Jennifer Cornell Matt Schenk, Alternate	Idaho Department of Environmental Quality	yes	yes	yes	yes	yes
Susan Rosebrough Dan Miller, Alternate	National Park Service	--	--	--	--	--
Mark Stenberg Eve Davies, Alternate	PacifiCorp	yes	yes	yes	yes	yes
1 -Email votes are presented chronologically, as listed above. Results of email voting were reviewed at the next regular ECC meeting. A complete record of each email vote was then included in the notes from that meeting.						

### **3.0 Accomplishments**

This section presents the actions taken during 2022 toward requirements in the Settlement Agreement and the License for the Bear River Hydroelectric Project, as defined in the FERC's Order Approving Settlement Agreement and Issuing New License from December 22, 2003. The agreed-upon schedule for implementing PM&E measures is described in Exhibit 1 of the Settlement Agreement. A modified schedule was proposed and approved in the Implementation Plan prepared for the Bear River Project.

The PM&E schedule of measures in the Settlement Agreement was modified due to requirements in the new license. With each annual report, an implementation schedule for the upcoming year will be presented that updates and replaces the implementation schedule filed with the Implementation Plan May 28, 2004, and the schedule included in the previous annual report. The 2023 Implementation Schedule is included in Appendix H of this report.

A discussion of the activities associated with each of the PM&E measures is presented in Table 3 by License Article for the report period January – December 2022. A description of funding amounts deposited and disbursed during 2022 is provided in Section 4.0 - Funding.

**Table 3. Accomplishments during the 2022 Report Period by License Article**

License Article	Accomplishments 2022	Comments	Future Plans 2023
401	2021 Annual Report was filed with the FERC before March 1, 2022.	Annual Report preparation and filing. To include studies and reports completed along with accounting for funds.	2022 Annual Report filed before March 1, 2023.
402	Environmental Coordination Committee meetings were conducted on January 19, March 25, May 18, June 15 (field review of projects), August 17, October 19 (field review), and December 7, 2022.	ECC meetings were facilitated by PacifiCorp.	Meetings will continue approximately on a bi-monthly schedule through 2023. The main agenda items for regular meetings will be grant administration for the habitat enhancement and land and water acquisition funds, along with the Bonneville cutthroat trout conservation hatchery program.
403	No new actions.	IDFG released the first Bonneville cutthroat trout produced at the hatchery at Kackley Springs April 20, 2011. IDFG provided a final report of broodstock development activities dated January 24, 2012.	This license article is complete.
404	During 2022, IDFG released 22,237 hatchery-produced Bonneville cutthroat trout (BCT) into Trout Creek, Whiskey Creek, Kackley Spring, Kackley Pond, Harris Spring, Bear River, Densmore Creek, Caribou Creek, and Spring Creek. Currently there are 23,159 BCT at the Grace Hatchery that will be released in the fall of 2023.	A Conservation Hatchery Agreement was executed with IDFG March 13, 2011. The Conservation Hatchery Program commenced December 22, 2011.	IDFG will continue to produce BCT at the Cove broodstock ponds and the Grace Fish Hatchery. Conservation hatchery support payment will be made in 2023.
405	Six funding requests were ranked by an ECC subcommittee on April 20 and approved at the May 18 ECC meeting.	Six habitat enhancement projects were approved for funding during 2022: <ul style="list-style-type: none"> <li>• Bartschi Stauffer Creek Fish Passage, Riparian, and Aquatic Habitat Improvement, Phase 2</li> <li>• Bloomington Paris Cattle Assoc. Stock Well #1</li> <li>• Elkhorn Ranch Stauffer Creek Diversions</li> <li>• Fish Screen Repairs</li> <li>• Fish Screen Tender</li> <li>• Hull Cub River Fencing</li> </ul>	Subcommittee is scheduled to evaluate new projects April 19, 2023, and will present recommendations to the ECC for approval at its May 17, 2023, meeting.
406	No conservation properties were acquired in 2022. The last three conservation easement grant requests were approved in 2021.		Because of the opportunistic nature of Land and Water Acquisition Fund proposals, they are evaluated for funding at any time of the year.  The conservation easement acquisition that the ECC obligated match for in 2019 and the NRCS approved a grant for in 2020 is expected to close in 2023. Final schedule for the other three conservation easement projects has not been set at the time of this report.

License Article	Accomplishments 2022	Comments	Future Plans 2023
407	No new actions.	The final report was transmitted to the FERC with the January 31, 2012, report on Boater Flows.	Activities under this license article are complete.
408	Notification of annual maintenance activities and timeframes was given to the ECC by the Environmental Coordinator on March 22, 2022.	The licensee shall maintain continuous minimum bypass flows from the project development as follows: (a) Below the Soda Dam: year-round minimum flow of 150 cfs, or inflow into the Soda reservoir, whichever is less; (b) Grace bypassed reach: a year-round minimum bypass flow of 63 cfs or inflow, whichever is less, in addition to 2 cfs leakage below the Grace Dam; (c) Oneida reach below the powerhouse: a year-round minimum flow of 250 cfs or inflow, whichever is less, in addition to 1 cfs leakage below Oneida Dam.	The minimum stream flow requirements will continue in accordance with procedures described in the Operations and Compliance Plan.  Annual maintenance notifications will be given to the ECC before March 31, 2023.
409	No new actions.	On May 18, 2012, the Final Agreement on Boater Flows was filed with the FERC. This agreement included the ECC's recommendation to not reinstate Art. 409. Permanent suspension of Art.409 Fish Stranding Minimization Plan was approved by the FERC October 17, 2012, in an issuance that confirmed that PacifiCorp had complied with Ordering paragraph (b) of the FERC's June 3, 2011, Order Approving Suspension of the Fish Stranding Minimization Plan.	No future action is required.
410	No new actions.	Kackley Springs Reroute Project	This license article is complete. Future land management activities around the springs will be conducted in accordance with the Grace/Cove Site Plan.
411	No new actions.	Dam Leakage Minimization Plan	On-going measurement in compliance with license.
412	Implement ramping rate limitations. Notification of annual maintenance activities and timeframes was given to the ECC by the Environmental Coordinator via email. See Article 408 summary.	Ramping rate limitations are being followed at Grace, Soda, and Oneida. In 2012, the ECC determined that a 1 ft/hr down ramp rate would be used for boater flows (see also summary for Art. 409, above).	The ramping rate limitations will continue in accordance with procedures described in the Operations and Compliance Plan.

License Article	Accomplishments 2022	Comments	Future Plans 2023
413	No new actions.	Compliance with Clean Water Act Section 401 Certification.	Actions required under this license article are complete.
415	Ongoing.	Revised operations and compliance plan was approved by the FERC in Sept. 2014 and includes a description of equipment and methods for compliance with instream flow and ramping requirements.	Continue to operate the project per guidance of Art. 415, Operations and Compliance Plan approved September 16, 2014.
416/417	<ul style="list-style-type: none"> <li>• Park maintenance payment was made to Caribou County for 2022 funding.</li> <li>• Law enforcement payment was made to Franklin County for 2022 funding.</li> <li>• Dust abatement applications were made around the campgrounds and day-use area in the Oneida Canyon in 2022.</li> <li>• Oneida Campground maintenance payment was made to USDI-BLM for 2022 funding.</li> </ul>	Recreation Site Maintenance	<ul style="list-style-type: none"> <li>• Implement annual dust abatement measures</li> <li>• Maintain signs and recreation sites</li> <li>• Make annual payment to Caribou County</li> <li>• Make annual payment to USDI-BLM</li> <li>• Make annual payment to Franklin County Sheriff</li> <li>• Perform Recreation and Traffic Safety Plan and site plan recreation elements annual monitoring as specified.</li> </ul>
418	No new action.	Boating Flow Release Plan	Actions required under this license article are complete.
419	A total of nine boater flow releases were made on four weekends in 2022. During 2022, three two-day events and one three-day event were provided on the following dates: March 26 & 27; April 9 & 10; April 29-May 1; and September 10 & 11.	Boating Flow Release Schedule	Per the "Agreement for Black Canyon Boater Flows: Extended Study Period and Adaptive Management," four weekends of scheduled boater flows will occur, between April 1 and June 5. In 2016, the start of the season was moved forward one week from April 1. A down ramp rate of 1 ft/hr will be used. Schedule for 2023 will be developed in consultation with American Whitewater and PacifiCorp operations.
420	Recreation flows were provided in relation to required irrigation releases. For 46 of 99 possible days (46%) in the goal flow period between May 30 and September 5, high irrigation demand and high runoff releases resulted in flows above 900 cfs in the Oneida Narrows reach. Operational regime report was filed with IDEQ in November 2022.	Oneida Development Water Year 2022 Operations Report is submitted to the FERC with this annual report.	When water is available, flows below the Oneida powerhouse will be greater than 900 cfs, as described in the Operations and Compliance Plan.

License Article	Accomplishments 2022	Comments	Future Plans 2023
421	The 2022 flow forecast was provided to American Whitewater. The schedule was developed with American Whitewater and was posted to PacifiCorp's Bear River webpage, the flow phone, and submitted to FERC.	Boating Flow Forecasting Plan	In 2023, PacifiCorp will provide the flow forecast, develop a schedule with American Whitewater, and post the schedule on the Bear River website and Flow Phone. The 2023 schedule is to be submitted to the FERC prior to March 20, 2023.
422	Maintained website and Flow Phone.	PacifiCorp Flow Phone: (800) 547-1501 Bear River Implementation website: <a href="https://www.pacificorp.com/energy/hydro/bear-river.html">https://www.pacificorp.com/energy/hydro/bear-river.html</a>	In addition to river flow information, the website also provides ECC agendas, meeting notes, reports and other documents related to implementation of the license.
423	Cultural resource awareness training was provided May 11, 2022, as part of a monthly safety meeting with operations staff. Annual Report of HPMP activities was provided to the FERC.	Historic Properties Management Plan	<ul style="list-style-type: none"> <li>• Continue to follow HPMP guidance for project review.</li> <li>• Provide HPMP report to the FERC before January 22, 2023, deadline.</li> <li>• Provide staff cultural resource training.</li> </ul>
424/425/426	<ul style="list-style-type: none"> <li>• Fence repair and maintenance was conducted at Alexander, Grace/Cove, and Oneida.</li> <li>• Noxious weed control activities were completed in all site plan areas.</li> <li>• Performance tracking and compliance monitoring was completed for all site planning areas. Forms are appended to this annual report.</li> </ul>	<p>The original Land Management Plan was approved by the FERC April 11, 2006. A revised plan was submitted to the FERC with the 2011 Annual Report. This revised plan was approved July 17, 2014. The LMP describes development of site plans for five project areas and stipulates the contents of the site plans. Site plans will be implemented no later than 10 years after original LMP approval.</p> <p>Site plans and implementation were prioritized in the following order:</p> <ol style="list-style-type: none"> <li>1) Grace-Cove (Complete)</li> <li>2) Oneida (Complete)</li> <li>3) Soda (Complete)</li> <li>4) Grace Dam (Complete)</li> <li>5) Last Chance (Complete)</li> </ol> <p><i>Note: Grace Dam and Last Chance site plans were subsequently combined into one plan.</i></p>	<ul style="list-style-type: none"> <li>• Continue monitoring as required for Grace-Cove, Oneida, Soda, and Grace and Last Chance site plans.</li> <li>• Perform ongoing maintenance of fences, gates and boundaries in all site plan areas.</li> <li>• Monitor compliance with site plan implementation measures and performance tracking of those measures. Take corrective actions as identified.</li> <li>• Undertake noxious weed control.</li> <li>• Maintain Cove Buffer shoreline fence on non-company lands, per Art. 426 requirements.</li> <li>• Continue to closely monitor and address as needed off-road trespass issues at Soda.</li> <li>• Address various minor issues noted in 2022 Compliance and Performance Tracking monitoring at each of the four planning areas.</li> <li>• Report on implementation in the Annual Report.</li> </ul>

License Article	Accomplishments 2022	Comments	Future Plans 2023
427	No new actions.	Expanded the FERC Project Boundary	Required actions are complete.
Order Amending License and Revising Annual Charges – 62,205	No new actions.	Cove Decommissioning Order In 2014, the Cove water rights placement into the State Water Bank was renewed with consultation and agreement of the ECC. This renewal will be needed every 5 years going forward.	Required actions are complete.

## **3.1 Work Completed – 2022 Update**

### **3.1.1 Work Completed by License Article**

#### ***Implementation Plan and Annual Reporting (License Article 401)***

This 2022 Annual Report was prepared in consultation with the ECC to: 1) describe activities that PacifiCorp undertook or prepared pursuant to the requirements of the license during the year 2022; 2) describe anticipated activities that will be undertaken in the coming year pursuant to the requirements of the license; and 3) provide a report of all funding accounts, including funds spent, balance of accounts, and available remaining funds.

PacifiCorp's accomplishments in regard to licensing requirements are summarized in Table 3 and are discussed in more detail in the following sections of the report. Anticipated activities for 2023 are listed in Section 3.2 and Appendix H. An accounting of funds is included in Section 4.0.

#### ***Environmental Coordination Committee (Article 402)***

The Environmental Coordination Committee (Table A-1) met five times during the 2022 reporting period. The meetings were facilitated by PacifiCorp's environmental coordinator, Mark Stenberg. ECC members also conducted field reviews of conservation properties and projects in June and October 2022. In addition, the ECC made five consensus decisions via email. A summary of the ECC's activities is provided in Section 2.0. ECC meetings are expected to continue approximately every other month in 2023, or more frequently as determined by the ECC and PacifiCorp's environmental coordinator.

#### ***Bonneville Cutthroat Trout Restoration Study Plan (Article 403)***

The Bonneville Cutthroat Trout (BCT) Restoration Study Plan, prepared in consultation with the ECC, was completed in late 2004. It included study plans for genetic sample analysis, irrigation diversion/barrier mapping and aerial photography, telemetry studies, and broodstock development.

Thermal imaging of the Bear River was completed during 2007 and the images were archived at Utah State University's Water Lab, PacifiCorp's headquarters, and with IDFG and IDEQ. Work on the irrigation diversion/barrier mapping was discontinued by the ECC in 2006 when it was learned that similar information was available from another source. The funding for this study was subsequently transferred by ECC decision and applied to the thermal imaging effort. In 2007 a more intensive and limited area irrigation diversion mapping study was proposed by IDFG. The ECC approved funding for this effort from the land and water acquisition fund under the rationale that the results will assist with project prioritization and funding decisions.

The genetics study was completed by IDFG during 2007. IDFG completed its final report on the Telemetry Study during 2009. Results of these studies were synthesized in a Comprehensive Bonneville Cutthroat Trout Restoration Plan prepared by PacifiCorp in consultation with the ECC during 2008.

A funding agreement for the disbursement of broodstock funds was drafted by PacifiCorp and IDFG during late 2008. IDFG chose to proceed initially with a broodstock program focusing on fish from the Thatcher reach, between Grace Dam and Oneida Reservoir, and is utilizing the state's Grace Fish Hatchery near Grace, Idaho to rear broodstock. Disbursement of broodstock development funding for 2008 and 2009 was made upon completion of the funding agreement in early 2009. A final payment was

made in 2010. Funding was used by IDFG to improve the spring source and water supply to the hatchery to better protect the broodstock from the potential for disease and cross contamination within the hatchery. A portion of the funds were used to support collected fish at Kent Clegg's spring-fed fish ponds in Grace, Idaho. In addition, IDFG produced 19,000 BCT fingerlings at the Grace Hatchery during 2010. On April 20, 2011, IDFG released the first BCT produced at the hatchery at the site of the Kackley Springs reroute project. IDFG issued a final report of broodstock development activities on January 24, 2012. This license article is complete; however, the ECC may consider an update to the plan in the future.

### ***Conservation Hatchery Plan (Article 404)***

The Conservation Hatchery Plan was completed in 2004 as part of the Implementation Plan. This plan describes the use of funding for the purpose of stocking native BCT in the action area. Guidance for stocking BCT was developed over the first seven years of the license as BCT restoration studies were conducted and the Bonneville Cutthroat Trout Restoration Plan was developed. A draft Conservation Hatchery Agreement was prepared by IDFG during 2011 and the Conservation Hatchery Program commenced December 22, 2011. IDFG provided a final report of broodstock development activities on January 24, 2012, and the first conservation hatchery payment was made.

Since 2011, when the first release of fish was made in Kackley Springs, subsequent releases have been made at many locations in the Thatcher Reach of the Bear River. During 2022, IDFG released 22,237 hatchery-produced BCT into Trout Creek, Whiskey Creek, Kackley Spring, Kackley Pond, Harris Spring, Bear River, Densmore Creek, Caribou Creek, and Spring Creek. Currently there are 23,159 BCT at the Grace Hatchery that will be released in the fall of 2023. IDFG will continue to produce BCT at the Grace Fish Hatchery and the recently completed Cove BCT broodstock ponds on PacifiCorp land near the Grace Plant. Hatchery payments of \$100,000 (escalated annually) will be made available each year through the end of the license term for implementation of this article, or acceptable alternative use. With escalation, annual funding provided by PacifiCorp during 2022 was \$148,900.00.

### ***Habitat Restoration Plan (Article 405)***

The Habitat Restoration Plan was completed in 2004 as part of the Implementation Plan, and a FERC order approving the plan was issued March 22, 2005. This plan describes the use of funding for actions that benefit and restore aquatic and riparian habitat for BCT, as well as other fish and wildlife. Action items implemented by the Habitat Restoration Program are decided upon and prioritized by the ECC. These actions are scheduled and implemented by the ECC on an annual basis. Annual funding of \$167,000.00 (escalated annually) began December 22, 2004, and will continue through the end of the license term. With escalation, annual funding provided by PacifiCorp in 2022 was \$248,663.00.

In 2005, the ECC formed a subcommittee to develop proposal and application forms for individuals and organizations seeking funding from the ECC for habitat enhancement projects. The subcommittee also developed evaluation criteria for proposals. A schedule for solicitation of funding proposals was set, and the subcommittee meets yearly in the spring to review and rank projects. The ECC then votes on the subcommittee's recommendations for funding. Projects may also be considered year-round by the ECC at large. PacifiCorp initiates monitoring of the habitat enhancement projects upon completion; the results of the 2022 monitoring efforts are presented in Appendix G.

Prior to the 2022 review period, flyers were distributed to ECC members, local NRCS offices, and previous applicants to announce habitat enhancement funding availability and to request proposals. Application materials were posted to PacifiCorp's website.

The ECC received six proposals for habitat enhancement funding during the 2022 spring review period. The proposals were reviewed and ranked by subcommittee members April 20, 2022. All were recommended by the subcommittee for funding. The subcommittee's rankings and funding recommendations were presented to the ECC for approval May 18, 2022. The recommended projects were approved by the ECC, for a total of \$302,420. The 2022 habitat enhancement projects are described below.

#### **Bartschi/Stauffer Creek Fish Passage, Riparian, and Aquatic Habitat Improvement, Phase 2**

The ECC awarded \$100,000 to USFS for phase 2 of this project, to address a legacy diversion dam and stream channel ditching on private land that was negatively affecting stream and riparian habitat, stream system connectivity, and water quality in Stauffer Creek. The Idaho BCT Management Plan classifies this as a Priority 1 action on Stauffer Creek, and a multi-faceted project was used to address both agricultural and fisheries needs by addressing current irrigation and grazing practices. Phase 1 funding was used to develop new irrigation practices and stock water in uplands. Phase 2 funding will be used to remove the dam, restore the stream channel, and install riparian fencing and alternative stock water sources.

#### **Bloomington Paris Cattle Association Stock Well #1**

Bloomington Paris Cattle Association was awarded \$55,000 to install an alternate water source for cattle as part of PacifiCorp's Paris Creek restoration project. The Paris Creek restoration project will benefit BCT by restoring flows to three miles of the headwaters of Paris Creek. This habitat enhancement project will secure stock water lost when the canal associated with the Paris Hydroelectric Project is decommissioned. The Project includes drilling a new well and installing solar panels and a solar pump, a pipeline, and trough.

#### **Elkhorn Ranch/Stauffer Creek Diversions**

The ECC awarded IDFG \$60,000 to consolidate two irrigation diversions and install a fish screen on private property on Stauffer Creek. Currently, there is limited upstream or downstream passage for BCT at these two diversions. This project will have a watershed-wide benefit to BCT by allowing for better passage for fluvial and resident BCT to access spawning grounds in the upper portion of the drainage.

#### **Fish Screen Repairs**

IDFG was awarded \$24,750 for repair and maintenance of ECC-funded fish screens. Many of these screens have been in place now for several years. The funding will go towards repair or replacement of failing parts. The ECC has chosen to set aside habitat enhancement funding for this task annually. The 2022 annual funding award was \$8,000. An additional \$16,750 was awarded for specific repairs to three fish screens.

#### **Fish Screen Tender**

The ECC awarded \$35,670 to IDFG during 2022 to help fund an employee responsible for monitoring and maintenance of all fish screens on irrigation diversions within the action area of the license. A few fish screens outside the action area are also monitored (i.e., Thomas Fork and Cub River). Table 4 provides a list of fish screens monitored annually by the screen tender.

**Table 4. Fish Screens Monitored Annually by the Screen Tender**

Stream	Screen Name	Zone	UTM (NAD83)	
			Easting	Northing
Cottonwood Creek	Davis	12T	424785	4698170
	Treasureton	12T	424346	4693377
	Lower	12T	436234	4686935
Cub River	Knapp	12T	436740	4657563
	Albert Moser	12T	442563	4665374
St. Charles Creek	Transtrum	12T	469490	4662690
	Island	12T	467796	4663658
	Michaelson	12T	465829	4663327
	Below Forest Service	12T	463595	4662655
Fish Haven Creek	Litchfield	12T	466021	4653901
	Stock Lower	12T	466566	4653887
	Stock Upper	12T	466540	4653888
	BLM Lower	12T	464456	4654338
	BLM Upper	12T	464126	4654458
Thomas Fork	Mumford	12T	493349	4679815
	Peterson	12T	493750	4673777
	Taylor	12T	495566	4692363
Skinner Creek	Lower	12T	462949	4703112
	Upper	12T	462037	4702714
Georgetown Creek	Alleman Lower	12T	468876	4702717
North Creek	Ovid	12T	461652	4689490

### **Hull/Cub River Fencing**

Landowner Jeremiah Hull was awarded \$27,000 to install 3,200 feet of fencing along the Cub River to exclude livestock from the riparian area on his property. The project will improve habitat for BCT by eliminating disturbance to the river and banks at this location. The riverbank will be stabilized as part of this project and an alternate stock water source installed.

### **Land and Water Acquisition Plan (Article 406)**

The Land and Water Acquisition Plan was completed in 2004 as part of the Implementation Plan and an order approving the plan was issued by the FERC March 22, 2005. This plan describes the funding provided to acquire available land and water rights in the action area. Actions pursuant to the Land and Water Acquisition Program are decided upon and prioritized by the ECC. Annual funding of \$300,000 (escalated annually) for this purpose began December 22, 2004, and will continue through the end of the license term.

Due to the opportunistic nature of land and water acquisition fund projects, the ECC voted in 2007 to accept and evaluate such proposals year-round. They are approved by consensus agreement among ECC members at large.

In 2006 PacifiCorp entered into a Memorandum of Agreement (MOA) with Sagebrush Steppe Land Trust to acquire properties using the license-required land and water acquisition fund. The 2006 MOA described the process for the trust to acquire properties once approved by the ECC. The MOA was

updated by PacifiCorp and SSLT during 2012 and the updated MOA received a vote of support from the ECC at its September meeting that year.

No conservation properties were acquired during 2022. Three conservation easement grant requests were approved in 2021 but have not yet been finalized.

Table 5 summarizes the acres, type of acquisition, whether conservation easement or fee title, and length of riverbank protected using land and water acquisition funds to date. Complete or partial funding for these projects was provided by grants awarded from the ECC's land and water acquisition fund.

**Table 5. Lands and Easements Acquired with the Land and Water Acquisition Fund**

Parcel	Acreage	Waterbody	Year Acquired	Linear Feet of Riparian Protection*	
				Left Bank	Right Bank
Conservation Easements (CE) held by Sagebrush Steppe Land Trust					
Olsen (N) – Cove Area CE	0.74	Bear River	2006		291
Hansen – Cove Area CE	0.11	Bear River	2006		44
McCurdy – Cove Area CE	1.86	Bear River	2006		817
Olsen (S) – Cove Area CE	0.62	Bear River	2006		236
Harris (N) – Cove Area CE	0.76	Bear River	2006		700
Harris (S) – Cove Area CE	0.74	Bear River	2006		876
Henderson – Bear River CE	214.48	Bear River	2008	4,542	4,440
Harris – Bear River CE	115.37	Bear River	2009		1,217
Christensen – Upper Mink Creek CE	767.00	Mink Creek	2012	2,982	2,980
Christensen – Lower Mink Creek CE	261.00	Mink Creek	2012		2,944
Christensen – Riparian Mink Creek CE	5.00	Mink Creek	2012	1,275	1,294
Boyack – Bear River CE	65.20	Bear River	2014		4,258
Jensen – Mink Creek CE	200.20	Mink Creek	2015	2,388	2,415
PacifiCorp/ECC – Oneida Canyon CE	358.33	Bear River	2016		
Egley – Mink Creek CE	450.00	Mink Creek	2019	3,270	3,335
Subtotal	2,441.41			14,457	25,847
Fee Title Conservation Properties held by Sagebrush Steppe Land Trust					
Kackley Preserve	151.16	Bear River	2006	2,526	2,008
		Kackley Springs		2,827	2,856
McCurdy Cove Preserve	2.70	Bear River	2006	650	
Olsen Cove Preserve	0.36	Bear River	2006	234	
Deep Creek Preserve	435.00	Deep Creek /Cub River	2010	2,007	2,007
Larsen Preserve	27.80	Mink Creek	2019		
Subtotal	617.02			8,244	6,871
Fee Title Conservation Properties held by Idaho Department of Fish and Game					
Georgetown WMA Addition #1 (McCammon Parcel)	77.50	Bear River	2006		4,696
Georgetown WMA Addition #2 (Walker Parcel)	700.00	Bear River	2015	9,360	9,360
Subtotal	777.50			9,360	14,056
TOTALS	3,835.93			32,061	46,774

\* Left or right bank designations assume facing downstream.

In early January 2022, flyers announcing land and water acquisition funding availability and requesting proposals were distributed to ECC members, local NRCS offices, and previous applicants. Application materials were also posted to PacifiCorp's website at this time.

### ***Black Canyon Monitoring Plan (Article 407)***

The Black Canyon Monitoring Plan was completed and filed December 23, 2004, with the FERC, which in turn issued an order modifying and approving the plan February 17, 2005. Based on comments received during a subsequent outside peer review of the plan, a revised Black Canyon Monitoring Plan was prepared and circulated to ECC members for approval, then filed with the FERC June 10, 2005. An order approving the plan was issued October 13, 2005.

In 2005, Oasis Environmental was selected to conduct the monitoring study in Black Canyon and the first round of monitoring took place in October of that year. The third year of monitoring was completed in October 2007 and marked the end of baseline studies in the Black Canyon. The sixth and final year of Black Canyon Monitoring was completed during 2010, and a final report on the six-year study of Black Canyon entitled, *"Effects of the Variable Flow Regime on the Ecology of the Black Canyon of the Bear River, Idaho"* was received by the ECC for review and comment April 12, 2011. ECC comments on the plan were addressed and the report was made final September 12, 2011. Activities under this license article are now complete.

### ***Minimum Flow Requirements (Article 408)***

In compliance with section 3.2.1.1 of the Bear River Settlement Agreement, PacifiCorp's environmental coordinator provided notification of annual maintenance activities and time frames to the ECC via email on March 22, 2022.

Minimum flow requirements were revised May 23, 2006, when the FERC issued its Cove Decommissioning Order, amending Article 408:

The licensee shall maintain continuous minimum bypass flows from the project development as follows:

1. Below the Soda Dam: year-round minimum flow of 150 cfs, or inflow into the Soda reservoir, whichever is less;
2. Grace bypassed reach: a year-round minimum bypass flow of 63 cfs or inflow, whichever is less, in addition to 2 cfs leakage below the Grace Dam;
3. Oneida reach below the powerhouse: a year-round minimum flow of 250 cfs or inflow, whichever is less, in addition to 1 cfs leakage below Oneida Dam.

These minimum stream flow requirements will continue in accordance with procedures described in the Operations and Compliance Plan.

### ***Fish Stranding Minimization Plan (Article 409)***

The Fish Stranding Minimization Plan was completed as part of the Implementation Plan filed with the FERC May 28, 2004. An order modifying and approving the plan was issued by the FERC March 7, 2005. The plan describes measures and agency consultation to minimize potential fish stranding resulting from the release of recreation flows from the Grace Development. The Fish Stranding Minimization Plan was to be implemented in 2008, upon commencing scheduled recreation boating releases into Black Canyon, or during other times when high flows result in spill from Grace Dam. However, in 2007, the ECC began working to develop a ramp rate/fish stranding study to measure the direct impacts of downramps after

whitewater releases. In 2008, the FERC granted PacifiCorp's request to suspend Article 409 until the fish stranding study was completed. The Boater Flow Ramp Rate Study was completed during 2010 and a final report was submitted to the FERC. The need to implement, change or request removal of Article 409, based on study results, was discussed with the ECC during a series of meetings in 2011. Per the requirements in a June 2, 2011 FERC Order, PacifiCorp prepared a report on the ECC's decision making regarding boater flows and the suspension of Article 409. This report was submitted to the FERC January 31, 2012, and included a recommendation to continue suspension of Article 409. The report also included the ECC's decision to use a down ramp rate of 1 foot per hour following boater flows. On May 18, 2012, the Final Agreement on Boater Flows was filed with the FERC. This agreement included the ECC's recommendation to not reinstate Article 409. Continued suspension of the Article 409 Fish Stranding Minimization Plan was confirmed by the FERC October 17, 2012, in an issuance that confirmed PacifiCorp had complied with Ordering paragraph (b) of the FERC's June 3, 2011 Order Approving Suspension of the Fish Stranding Minimization Plan. There were no new actions in 2022.

### ***Kackley Springs Plan (Article 410)***

The Kackley Springs Plan was completed as part of the Implementation Plan filed with the FERC May 28, 2004, and an order modifying and approving the Kackley Springs Plan was issued by the FERC March 22, 2005. The Kackley Springs Plan was also discussed by the ECC as part of the Grace-Cove Site Plan. The Kackley Springs Plan proposes studies and monitoring to determine the effects of flow on Bonneville cutthroat trout and other aquatic resources. In 2006, the ECC awarded a habitat enhancement fund grant to a graduate student to investigate options to reconnect the Kackley Springs flow to the channel that crosses the Kackley parcel. The ECC reviewed this report during 2008 and conducted a field review of the site during its July 2008 meeting. A conceptual plan was agreed to by the ECC to discontinue diversion of the spring directly into the Bear River and send the water down a longer route that can potentially be used by native fish for spawning. Habitat enhancement funding was approved for the project during 2009 (see Article 405, above) and the Kackley Springs Reroute Project was completed later that year.

Idaho Department of Fish and Game's first release of Bonneville cutthroat trout from the Grace Hatchery took place at Kackley Springs in 2011 (see Article 403, above). Noxious weed control took place and additional shrubs and willow stakes were planted during 2009, 2010, and 2012, and the ECC approved a habitat enhancement project in 2012 to raise the elevation in the main pond. This article is now complete. Future land management activities around the springs will be conducted in accordance with the Grace-Cove Site Plan.

### ***Dam Leakage Minimization Plan (Article 411)***

The Dam Leakage Minimization Plan was completed as part of the Implementation Plan filed with the FERC May 28, 2004, and approved December 13, 2004. This plan describes steps to measure leakage from Grace and Oneida dams. The measurement protocol was developed in consultation with the ECC, and dam leakage measurements were taken in October 2004. An order amending Article 408 (Minimum Flow Requirements) was issued by the FERC December 2, 2005, and included dam leakage in minimum flow requirements. No further action was needed during 2022.

### ***Ramp Rate Requirements (Article 412)***

The schedule for implementing new ramp rates, as measured downstream of the Soda and Oneida developments, was modified in the Implementation Plan approved by the FERC December 13, 2004.

New ramp rate requirements were implemented December 22, 2004. Ramp rates will continue in accordance with procedures described in the Operations and Compliance Plan filed with the FERC December 22, 2004. Notification of annual maintenance activities and timeframes were given to the ECC by the environmental coordinator via email as reported for Article 408.

As described in the Settlement Agreement, Black Canyon ramp rates have been determined with the ECC, in consultation with PacifiCorp. Discussions regarding ramp rates began in April 2006 and continued through the end of 2007. During 2007, the ECC developed and reached consensus on a study plan to evaluate fish stranding in the Black Canyon following boater flow events, and in 2008 launched a three-year study to evaluate the effect of whitewater boating flow ramping rates on native fish. The third and final year of the study was completed during 2010 and the final report on the Black Canyon Boater Program Ramp Rate Study was submitted to the FERC. This information was used by the ECC—along with Black Canyon Monitoring Study results and the final Boater Flow Water Quality Report—to help determine ramp rates and the future structure of the boater program. In 2011, the ECC determined that a 1-foot-per-hour ramp rate will be used for boater flows. Ramping rate limitations are being followed at Grace, Soda, and Oneida.

Notification of annual maintenance activities was given to the ECC by the environmental coordinator by email as reported under Article 408, above.

### ***Water Quality Monitoring Plans (Article 413)***

The 2007 Water Quality Monitoring Report for the Grace-Cove Development was submitted to IDEQ in January 2008. IDEQ then verbally informed PacifiCorp that water quality monitoring at Grace-Cove could be discontinued, two years before scheduled, as they found no indication of project contribution to exceedances of water quality criteria. A formal letter was received from IDEQ during 2009, signing off on Grace-Cove Water Quality Monitoring and the Oneida Water Quality Study.

A final Oneida Water Quality Monitoring Report was submitted to the IDEQ April 6, 2007. The collection of data for this 18-month study was completed in October of 2005. During 2008, discussions were held between PacifiCorp and IDEQ concerning the ability to determine project contributions to exceedances of water quality at the Oneida Project based on the results of the study. In 2009, agreement was reached with IDEQ that the Oneida Project does not significantly cause or contribute to exceedances of water quality standards.

During 2008, IDEQ requested water quality monitoring during boater flows in the Black Canyon. A study plan was developed by PacifiCorp and the IDEQ. This study plan was used during the 2008, 2009, and 2010 whitewater releases. 2010 Boater Flow water quality measurements were included in a final report with 2008 and 2009 results. This final Boater Flow Water Quality Report was submitted to the FERC. During 2011, the ECC discussed exceedances of state water quality criteria during boater flow events during a series of meetings held to address boater flows. IDEQ continued to collect water quality monitoring data during boater flow events in 2012, 2013, and 2014 to inform potential future management decisions. Findings were discussed by the ECC at a two-day whitewater boater flow meeting in February 2015. At that meeting, IDEQ stated they believed compromise goals for water quality had been met.

### ***Operations and Compliance Plan (Article 415)***

PacifiCorp prepared a draft Operations and Compliance Plan and provided copies to the ECC and US Geological Survey (USGS) for review November 4, 2004. After a 30-day review period, the plan was finalized and filed with the FERC December 22, 2004. An order from the FERC approving the Operations and Compliance Plan was issued April 7, 2005. Subsequently, based on operational issues identified during 2005, PacifiCorp suggested revisions to the plan regarding how minimum flows are measured during low-flow periods. These revisions were presented to the ECC for comment initially in November of 2005, and discussions continued through 2006. In 2007, a modification to the Operations and Compliance Plan regarding publishing of streamflow gage data by the USGS was presented to and accepted by the ECC. During 2008, the compliance point for Black Canyon minimum stream flow measurement was changed from the USGS gage below the Grace Dam to the reservoir elevation gage, a reservoir deadband, and calculated gate opening. A revised Operations and Compliance Plan, which includes updates on new stream flow gaging equipment, the change in compliance point at Grace Dam, operations directions for transition from minimum stream flow at Grace Dam to inflow, and publication of USGS stream flow data, was submitted to the FERC June 20, 2013. The plan was approved by the FERC September 16, 2014, and has now been implemented.

### ***Recreation and Traffic Safety Plan (Articles 416/417)***

The Recreation and Traffic Safety Plan was submitted to the FERC January 31, 2005. An order approving the plan was issued October 11, 2005.

During 2022, annual funding was provided to Caribou County for park maintenance, to Franklin County for law enforcement, and to BLM for Oneida campground maintenance. Annual dust abatement applications were made around the campgrounds and day-use area in Oneida Canyon.

### ***Boating Flow Release Plan (Article 418)***

The Boating Flow Release Plan was completed as part of the Implementation Plan filed with the FERC May 28, 2004. An order modifying and approving the Flow Release Plan was issued August 11, 2005. This plan describes measures to release whitewater boating flows from the Grace Dam for the purpose of whitewater recreation. During 2007, plans to install slide gates to facilitate whitewater releases were completed and submitted to the FERC. In 2008, Grace Dam was modified by the installation of the spill gates, which are used to facilitate whitewater releases. There was no new action during 2022.

### ***Boating Flow Release Schedule (Article 419)***

The ECC developed a Black Canyon Monitoring Plan (Article 407) to document the effects to aquatic resources of flow releases from the Grace Dam for whitewater recreation in the Black Canyon reach of the Bear River. This six-year study started in 2005 and concluded in 2010. It collected data over three baseline years without whitewater releases and for three years with releases. Flow releases during the second three years were triggered by river inflow. In addition to this study, in 2007 the ECC developed a ramp rate study plan to evaluate fish stranding over three years and use this information, along with the six-year Black Canyon Monitoring Study, to make future decisions concerning ramp rates and whitewater boater program structure.

During fall of 2011, a series of three ECC work sessions were held to discuss study results that included the six-year monitoring report, the fish stranding report, water quality, and the timing and schedule of

future boater flows. A report of these discussions was submitted to the FERC January 31, 2012. This report included the Draft Agreement for Boater Flows: Extended Study Period & Adaptive Management and a commitment to follow up with the FERC 45 days after the agreement was finalized. According to the terms of the draft agreement, during the extended study period (2012–2014), four weekends of scheduled boater flows were released between April 1 and June 5; a down ramp rate of 1 foot per hour was used; and the Article 409 Fish Stranding Minimization Plan remained suspended. Final ECC approval of the agreement and associated study plans to be implemented by IDFG and IDEQ for monitoring of water quality and fisheries during the extended study period was granted April 18, 2012. The agreement was implemented during the 2012 whitewater boater flow season and continued through the 2014 whitewater boater flow season.

The Final Agreement for Black Canyon Boater Flows: Extended Study Period & Adaptive Management was submitted to the FERC May 18, 2012. The FERC responded October 17, 2012, that PacifiCorp had fulfilled consultation and reporting requirements as required in the FERC's June 3, 2011, Order Approving Suspension of Fish Stranding Minimization Plan under Article 409.

A total of nine boater flow releases were made over four weekends during 2022. Three two-day whitewater boater flow events were provided on the following dates: March 26 & 27, April 9 & 10, April 29–May 1, and September 10 & 11, 2022.

### ***Oneida Operations Regime (Article 420)***

The Oneida Operations Regime was completed as part of the Implementation Plan filed with the FERC May 28, 2004. An order approving the operational regime was issued August 17, 2005. This plan describes the operational regime designed to minimize the frequency of river level fluctuations below the Oneida powerhouse. Under this plan, when water is available, flows below the Oneida powerhouse will be greater than 900 cfs between Memorial Day and Labor Day, as described in the Operations and Compliance Plan filed with the FERC December 22, 2004. During 2021, recreation flows were provided in relation to required irrigation releases. For 46 of the 99 possible days (46 percent) in the goal flow period between May 30 and September 5, high irrigation demand and high runoff releases resulted in flows above 900 cfs in the Oneida Narrows reach. The Operational Regime Report was filed with IDEQ in November 2022. The Oneida Development Water Year 2022 Operations Report will be submitted to the FERC with this annual report.

### ***Boating Flow Forecasting Plan (Article 421)***

The Boating Flow Forecasting Plan was completed as part of the Implementation Plan filed with the FERC May 28, 2004. An order modifying and approving Flow Forecasting Plan was issued August 17, 2005. This plan describes measures to forecast and announce whitewater boating flows for each year beginning in 2008. This order also modified License Article 421. The article requires that the forecast plan be submitted to FERC by March 20 if agreement cannot be reached. The order clarifies that regardless of agreement the forecast plan should be submitted to FERC by March 20 of each year.

A 2022 boater flow schedule was developed in consultation with American Whitewater. The schedule was developed in accordance with the terms of the ECC's Agreement for Black Canyon Boater Flows: Extended Study Period and Adaptive Management, with the scheduled window for boater flows moved up one week per 2016 agreement. The 2022 boater flow schedule was provided to the ECC for review and submitted to the FERC. The schedule of flows was posted on the PacifiCorp website and information was provided on the Flow Phone.

### ***Website and Flow Phone Report (Article 422)***

PacifiCorp's existing Flow Phone was updated and a Bear River Implementation website (<https://www.pacificorp.com/energy/hydro/bear-river.html>) was created in 2004. This website and toll-free number (1-800-547-1501) were reported to the FERC in a December 30, 2004 letter. The FERC issued a letter approving the website and Flow Phone January 14, 2005. In addition to river flow information, the website provides ECC meeting notes, reports, and other documents related to implementation of the license. The website and Flow Phone were maintained during 2022.

### ***Historic Properties Management Plan (Article 423)***

The Historic Properties Management Plan (HPMP) was completed in early 2005 and filed with the FERC March 29, 2005. This HPMP was then withdrawn to allow the preparation of a revised plan for submittal to the Idaho State Historic Preservation Office. The revised plan was intended to address the SHPO's comments on the previous draft. Additional comments were received from the SHPO in 2007 and a revised HPMP was submitted to the FERC in July 2007. During 2008, the FERC issued an order accepting the HPMP and directing PacifiCorp to begin implementation. Cultural resource awareness training was provided to PacifiCorp operations staff on May 11, 2022. The 2021 annual report on HPMP activities was provided to the FERC as required before January 22, 2022.

### ***Land Management Plan (Article 424), which includes Shoreline Buffer Zone Plan (Article 425), and Cove Bypass Reach Fencing Plan (Article 426)***

The Land Management Plan (LMP) was filed with the FERC January 31, 2005, and approved April 11, 2006. Included in the LMP are the Shoreline Buffer Zone Plan and the Cove Fencing Plan. The LMP describes the implementation of new land management procedures, as specifically detailed in five site plans. These site plans were to be completed (written) within 5 years after the LMP was approved, and were prioritized as follows: Grace-Cove, Oneida, Soda, Grace Dam, and Last Chance land parcels. During 2008, the ECC agreed to incorporate the Grace Dam and Last Chance site plans into one document, reducing the number of site plans to four. Implementation of the site plans was to be completed within 10 years after LMP approval. All plans were completed as scheduled by 2010.

A minor update of the LMP was completed in consultation with the ECC in 2011, as noted in the original 2005 LMP, Section 2.4. This update was made necessary by the decommissioning of the Cove Project in 2006, completion of the site plans in 2010, and installation of required measures to protect riparian areas within the FERC project boundary at the Oneida development being placed at the outer PacifiCorp property boundaries (and therefore placed well outside the FERC project boundary), collectively. The updated LMP was submitted to the FERC with the 2011 annual report of implementation activities and was implemented upon FERC approval July 17, 2014.

The first site plan, for the Grace-Cove area, was completed and reviewed by the ECC in 2005. Most of the implementation scheduled in the Grace-Cove Site Plan was completed in 2005 and 2006, and the remainder was finished in 2007—including revised leases, final edits to monitoring forms, and revisions based on Cove decommissioning. Some remaining cross-fencing no longer needed in the Grace-Cove Site Plan area was removed in 2012.

The Oneida Site Plan was drafted and reviewed by the ECC in 2006. The plan was finalized in 2007, but revisions were made during 2008. Implementation actions for Oneida were completed in 2007 and 2008 including installation of cattle exclusion fencing and placement of boundary markers along property

lines that were not fenced. Remaining interior cross fencing was removed in Oneida Canyon during 2010 and 2011. Given 2014 acceptance of the revised LMP, the Oneida Site Plan was updated in 2015. The updated Oneida Site Plan was submitted to the FERC June 3, 2015. The FERC acknowledged receipt of the plan in a December 7, 2015 letter.

The Soda Site Plan was completed and reviewed by the ECC during 2008 and implementation actions were substantially completed during 2008, including installation of boundary markers and cattle exclusion fencing, marking of expanded reservoir buffer areas, and seeding of approximately 130 acres with native grass in new reservoir buffer areas. Agricultural leases were modified to prohibit grazing and to allow for the expansion of reservoir buffers. The Soda Site Plan was finalized in 2009. Most of the interior abandoned cross fencing was removed from the Soda Site Plan area in 2011. Some remaining cross fencing was removed in 2012. In 2020 and 2021, fencing was installed along South Bridge Road to prevent off-road vehicle use in habitat lands.

The Grace Dam and Last Chance Site Plan was finalized during 2010. Implementation actions completed at Grace Dam and Last Chance include installation of property boundary markers and cattle exclusion fencing where needed. An agricultural field adjacent to the Grace forebay and former cattle feeding area near the Grace forebay were seeded with native grass, abandoned interior fences were removed from the Grace and Last Chance properties, and two cattleguards were installed on the dirt road at Last Chance to exclude cattle from PacifiCorp property.

Ongoing maintenance of fences, gates, signage, and boundaries was conducted as needed in all site plan areas in 2022. Noxious weed control activities were performed in all areas in 2022, as required in the site plans. Performance tracking and compliance monitoring was completed for all site planning areas. Monitoring reports, both compliance monitoring to indicated compliance with the site plan, and performance tracking to indicate long-term ecological indicator shifts, for the Grace-Cove, Oneida, Soda, and Grace Dam and Last Chance site plans are included in Appendix B, D, E and F of this report, respectively.

The Cove Buffer shoreline fence was monitored as required during 2022. Monitoring forms are included in Appendix C of this report.

### ***Expanded FERC Project Boundary (Article 427)***

Planning for the expanded FERC project boundary was included in the preparation of the Land Management Plan and the Recreation and Traffic Safety Plan. A modified schedule for completion of the survey and preparation of a new Exhibit G was included in the Implementation Plan. New and revised Exhibit G drawings were filed with the FERC August 17, 2005, under Article 202 and 427. An order approving revised Exhibit G Drawings and revising federal acreage was issued October 13, 2005. All requirements under Article 427 were completed at this time. Subsequently updates were made to the Project's Exhibit G to address changes in federal acre reporting in Exhibit A and conformance to Exhibit G preparation requirements. These updates were submitted to FERC in 2015 and approved in 2016. On the 2016 maps, PacifiCorp identified three submerged parcels that it found through additional research that necessary property rights for project operations were not held by the PacifiCorp. Updated Exhibit G maps were submitted to FERC in December of 2019 showing the resolution of property rights on the submerged lands. There were no new actions in 2022.

### **3.1.2 Work Completed for Cove Decommissioning Site (Order Amending License and Revising Annual Charges [62,205])**

The FERC issued the Cove Decommissioning Order May 23, 2006, and the development, including Cove Dam and the mile-long flume, was removed in the summer of 2006. After removal of the structures, work to stabilize and reclaim the area was completed in late fall of 2006, and 2009 was the final year of monitoring required by the US Army Corps of Engineers permit. The Cove water right placement into the State Water Supply Bank was renewed following consultation and agreement with the ECC. All required actions are complete.

## **3.2 Work Anticipated in 2023**

This section outlines work anticipated for license implementation and compliance during 2023. As noted in Section 3.0, an implementation schedule for 2023 is included in Appendix H of this report. The 2023 implementation schedule updates and replaces the implementation schedule filed with the Implementation Plan in 2004, and the schedule included in the previous Annual Report.

- File 2022 Annual Report, including the Oneida Development Water Year 2022 Operations Report.
- Continue collaboration with stakeholders through ECC meetings held every other month (or more frequently, as needed).
- Make conservation hatchery payment to IDFG.
- Continue the Habitat Enhancement Program - Subcommittee to evaluate projects in April 2023 and present recommendations to the ECC for approval in May 2023. Subcommittee may continue to evaluate projects as they are presented during the remainder of the year. Continue to monitor habitat enhancement projects (per Appendix G).
- Continue the Land and Water Acquisition Program – Subcommittee to evaluate projects as they are presented during the year.
- Continue to document required minimum flows.
- Provide PacifiCorp’s annual maintenance schedule to the ECC before April 2023, consult with ECC in emergencies, as practical.
- Per the Agreement for Black Canyon Boater Flows: Extended Study Period and Adaptive Management, four weekends of scheduled boater flows will occur. A 1-foot-per-hour down-ramp rate will be used, and suspension of Article 409 will continue. PacifiCorp will develop a schedule in consultation with American Whitewater and post the schedule on the Bear River website and Flow Phone.
- Continue to document ramp rates.
- Maintain compliance with the updated Operations and Compliance Plan.

- Make annual payments to Caribou County, BLM, and Franklin County Sheriff; implement dust abatement measures on Oneida Road; maintain signs and recreation sites; and perform annual monitoring of Recreation and Traffic Safety Plan and site plan recreation elements, as specified.
- Submit 2023 whitewater boater flow schedule to the FERC.
- Submit annual Oneida Operations Report to IDEQ.
- Maintain website and Flow Phone.
- Continue to follow the Historic Preservation Management Plan (HPMP) guidance.
- Submit annual report on HPMP activities in January 2023.
- Provide annual staff cultural resource training.
- Continue monitoring as required for the Grace-Cove, Oneida, Soda, and Grace Dam and Last Chance site plans. Take corrective actions as needed.
- Treat noxious weeds.
- Conduct ongoing maintenance of fences, gates, signage, and boundaries in all site plan areas.
- Maintain Cove buffer shoreline fence, per Art. 426 requirements.
- Address any other minor compliance issues noted during 2022 monitoring efforts at each of the four planning areas.
- Report on implementation in the Annual Report.

## **4.0 Funding**

This section presents an accounting to the end of calendar year 2022 of the funding obligations for Bear River Settlement Agreement and the License. Funding obligations noted as complete in previous annual reports are not included in this annual report.

<b>PacifiCorp  Bear River Implementation Projects  Oneida Campground Funding SA 3.4.1.1  BRI-ONEIDA</b>					
Posting Date	Invoice Amount (Debit)	Contract	Credits	Balance	Notes
Jan 2004 Beginning Balance				\$10,170.00	
12/8/2004	\$10,000.00	BLM		\$170.00	
2004 Interest Credit			\$1.00	\$171.00	
2005 Funding			\$10,375.00	\$10,546.00	
12/20/05	\$10,000.00	BLM		\$546.00	
2005 Interest Credit			\$7.00	\$553.00	
2006 Funding			\$10,762.00	\$11,315.00	
11/30/2006	\$11,318.00	BLM		-\$3.00	
2007 Funding			\$11,135.00	\$11,132.00	
5/30/2007	\$11,132.00	BLM		\$0.00	
2008 Funding			\$11,460.46	\$11,460.46	
6/21/2008	\$11,460.46	BLM		\$0.00	
2009 Funding			\$11,746.97	\$11,746.97	
5/7/2009	\$11,746.97	BLM		\$0.00	
2010 Funding			\$11,841.13	\$11,841.13	
9/29/2010	\$11,841.13	BLM		\$0.00	
2011 Funding			\$11,977.25	\$11,977.25	
7/1/2011	\$11,977.25	BLM		\$0.00	
2012 Funding			\$12,278.28		
6/15/2012	\$12,278.28	BLM		\$0.00	
2013 Funding			\$12,730.00	\$12,730.00	
6/14/2013	\$12,733.09	BLM		-\$3.09	
12/1/2013		PacifiCorp	\$2,151.28	\$2,148.19	Escalation Adjustment
12/1/2013		PacifiCorp	\$1,649.27	\$3,797.46	Escalation Adjustment
2013 Interest Credit			\$0.19	\$3,797.65	
2014 Funding			\$12,540.00	\$16,337.65	
7/15/2014	\$16,340.55	BLM		-\$2.90	
2014 Interest Credit			\$0.00	-\$2.90	
2015 Funding			\$12,930.00	\$12,927.10	
9/1/2015	\$12,945.90	BLM		-\$18.80	
2015 Interest Credit			\$0.00	-\$18.80	
2016 Funding			\$13,100.00	\$13,081.20	
5/24/2016	\$13,081.20	BLM		\$0.00	
2016 Interest Credit			\$0.00	\$0.00	
2017 Funding			\$13,300.00	\$13,300.00	
6/20/2017	\$13,300.00	BLM		\$0.00	
2017 Interest Credit			\$0.00	\$0.00	
2018 Funding			\$13,530.00	\$13,530.00	
8/2/2018	\$13,530.00	BLM		\$0.00	
2018 Interest Credit			\$0.00	\$0.00	
2019 Funding			\$13,830.00	\$13,830.00	
7/23/2019	\$13,830.00	BLM		\$0.00	
2019 Interest Credit			\$0.00	\$0.00	
2020 Funding			\$14,080.00	\$14,080.00	

PacifiCorp Bear River Implementation Projects Oneida Campground Funding SA 3.4.1.1 BRI-ONEIDA					
Posting Date	Invoice Amount (Debit)	Contract	Credits	Balance	Notes
8/10/20	\$14,080.00	BLM		\$0.00	
2020 Interest Credit			\$0.00	\$0.00	
2021 Funding			\$14,220.00	\$14,220.00	
7/27/21	\$14,220.00	BLM		\$0.00	
2021 Interest Credit			\$0.00		
2022 Funding			\$14,890.00		
8/5/22	\$14,890.00	BLM		\$0.00	

<b>PacifiCorp</b> <b>Bear River Implementation Projects</b> <b>Oneida Law Enforcement SA 3.4.1.4, Art. 417</b> <b>BRI-LAWENF</b>					
Invoice Date	Invoice Amount (Debit)	Contract	Credits	Balance	Notes
Jan 2004 Beginning Balance				\$3,051.00	
2004 Interest Credit			\$13.00	\$3,064.00	
2005 Funding			\$3,113.00	\$6,177.00	
2/15/2005	\$3,000.00	Franklin County		\$3,177.00	2004 payment
2005 Interest Credit			\$43.00	\$3,220.00	
2006 Funding			\$3,229.00	\$6,449.00	
7/31/2006	\$6,393.00	Franklin County		\$56.00	2005 and 2006 payments
2006 Interest Credit			\$1.36	\$57.36	
2007 Funding			\$3,340.00	\$3,397.36	
5/8/2007	\$3,397.36	Franklin County		\$0.00	
2008 Funding			\$3,438.14	\$3,438.14	
8/25/2008	\$3,438.14	Franklin County		\$0.00	
2009 Funding			3530.82	\$3,530.82	
10/1/2009	\$3,530.82	Franklin County		\$0.00	
2010 Funding			\$3,552.34	\$3,552.34	
9/30/2010	\$3,552.34	Franklin County		\$0.00	
2011 Funding			\$3,593.17	\$0.00	
8/16/2011	\$3,593.17	Franklin County		\$0.00	
2012 Funding			\$3,683.48	\$0.0	
6/15/2012	\$3,683.48	Franklin County		\$0.00	
2013 Funding			\$3,819.00	\$3,819.00	
7/11/2013	\$3,819.93	Franklin County		-\$0.93	
12/1/2013		PacifiCorp	\$637.97	\$637.04	Escalation Adjustment
2013 Interest Credit			\$0.03	\$637.07	
2014 Funding			\$3,762.00	\$4,399.07	
7/15/2014	\$4,399.97	Franklin County		-\$0.90	
2014 Interest Credit			\$0.00	-\$0.90	
2015 Funding			\$3,879.00	\$3,878.10	
9/1/2015	\$3,881.27	Franklin County		-\$3.17	
2015 Interest Credit			\$0.00	-\$3.17	
2016 Funding			\$3,930.00	\$3,926.83	
6/2/2016	\$3,926.83	Franklin County		\$0.00	
2016 Interest Credit			\$0.00	\$0.00	
2017 Funding			\$3,990.00	\$3,990.00	
4/18/2017	\$3,990.00	Franklin County		\$0.00	
2017 Interest Credit			\$0.00	\$0.00	
2018 Funding			\$4,059.00	\$4,059.00	
7/9/2018	\$4,059.00	Franklin County		\$0.00	
2018 Interest Credit			\$0.00	\$0.00	
2019 Funding			\$4,149.00	\$4,149.00	
7/23/2019	\$4,149.00	Franklin County		\$0.00	
2019 Interest Credit			\$0.00	\$0.00	
2020 Funding			\$4,224.00	\$4,224.00	

PacifiCorp Bear River Implementation Projects Oneida Law Enforcement SA 3.4.1.4, Art. 417 BRI-LAWENF					
Invoice Date	Invoice Amount (Debit)	Contract	Credits	Balance	Notes
4/8/2020	\$4,224.00	Franklin County		\$0.00	
2020 Interest Credit			\$0.00	\$0.00	
2021 Funding			\$4,266.00	\$4,266.00	
11/15/21	\$4,266.00	Franklin County		\$0.00	
2021 Interest Credit			\$0.00	\$0.00	
2022 Funding			\$4,467.00	\$4,467.00	
8/3/22	\$4,467.00	Franklin County		\$0.00	

<b>PacifiCorp                      Bear River Implementation Projects                      Caribou County Recreation 3.4.2, Art. 416                      BRI-FUNTOCO</b>					
Invoice Date	Invoice Amount (Debit)	Contract	Credits	Balance	Notes
Jan 2004 Beginning Balance				\$3,051.00	
12/8/2004	\$3,000.00	Caribou County		\$51.00	
2004 Interest Credit			\$0.22	\$51.22	
2005 Funding			\$3,113.00	\$3,164.22	
2005 Interest Credit			\$42.70	\$3,206.92	
2006 Funding			\$3,229.00	\$6,435.92	
7/24/2006	\$6,393.00	Caribou County		\$42.92	2005 and 2006 funding plus interest and escalation
2006 Interest Credit			\$1.00	\$43.92	
2007 Funding			\$3,340.00	\$3,383.92	
5/23/2007	\$3,383.92	Caribou County		\$0.00	
2008 Funding			\$3,438.14	\$3,438.14	
9/10/2008	\$3,438.14	Caribou County		\$0.00	
2009 Funding			\$3,530.82	\$3,530.82	
10/23/2009	\$3,530.82	Caribou County		\$0.00	
2010 Funding			\$3,552.34	\$3,552.34	
12/23/2010	\$3,552.34	Caribou County		\$0.00	
2011 Funding			\$3,593.17	\$0.00	
7/1/2011	\$3,593.17	Caribou County		\$0.00	
2012 Funding			\$3,683.48	\$3,683.48	
6/15/2012	\$3,683.48	Caribou County		\$0.00	
2013 Funding			\$3,819.00	\$3,819.00	
7/11/2013	\$3,819.93	Caribou County		-\$0.93	
12/1/2013		PacifiCorp	\$567.95	\$567.02	Escalation Adjustment
2013 Interest Credit			\$0.03	\$567.05	
2014 Funding			\$3,762.00	\$4,329.05	
7/15/2014	\$4,329.85	Caribou County		-\$0.80	
2014 Interest Credit			\$0.00	-\$0.80	
2015 Funding			\$3,879.00	\$3,878.20	
9/14/2015	\$3,881.02	Caribou County		-\$2.82	
2015 Interest Credit			\$0.00	-\$2.82	
2016 Funding			\$3,930.00	\$3,927.18	
	\$3,927.18	Caribou County		\$0.00	
2016 Interest Credit			\$0.00	\$0.00	
2017 Funding			\$3,990.00	\$3,990.00	
4/18/2017	\$3,990.00	Caribou County		\$0.00	
2017 Interest Credit			\$0.00	\$0.00	
2018 Funding			\$4,059.00	\$4,059.00	
8/13/2018	\$4,059.00	Caribou County		\$0.00	
2018 Interest Credit			\$0.00	\$0.00	
2019 Funding			\$4,149.00	\$4,149.00	
7/23/2019	\$4,149.00	Caribou County		\$0.00	
2019 Interest Credit			\$0.00	\$0.00	
2020 Funding			\$4,224.00	\$4,224.00	

<b>PacifiCorp</b> <b>Bear River Implementation Projects</b> <b>Caribou County Recreation 3.4.2, Art. 416</b> <b>BRI-FUNTOCO</b>					
<b>Invoice Date</b>	<b>Invoice Amount (Debit)</b>	<b>Contract</b>	<b>Credits</b>	<b>Balance</b>	<b>Notes</b>
4/8/2020	\$4,224.00	Caribou County		\$0.00	
2020 Interest Credit			\$0.00	\$0.00	
2021 Funding			\$4,266.00	\$4,266.00	
11/15/21	\$4,266.00	Caribou County		\$0.00	
2021 Interest Credit			\$0.00	\$0.00	
2022 Funding			\$4,467.00	\$4,467.00	
11/28/22	\$4,467.00	Caribou County		\$0.00	

<b>PacifiCorp                      Bear River Implementation Projects                      Conservation Hatchery Program SA 3.1.3                      315924</b>					
Posting Date	Invoice Amount (Debit)	Contract	Credits	Balance	Notes
2011 Beginning Balance (12/22/2011)				\$119,772.47	
4/25/12	\$119,772.47	IDFG		\$0.00	
2012 Funding (12/22/2012)			\$122,782.82	\$122,782.82	Escalated Amount From 4/18/2012 Table
4/12/13	\$121,372.00	IDFG		\$1,410.82	
12/1/13		PacifiCorp	\$4,844.71	\$6,255.53	Escalation Adjustment
2013 Funding (12/22/2013)			\$127,300.00	\$133,555.53	
11/15/13	\$133,555.52	IDFG		\$0.01	
2014 Funding (12/22/2014)			\$125,400.00	\$125,400.01	
	\$125,400.00	IDFG		\$0.01	
2014 Interest			\$0.00	\$0.01	
2015 Funding (12/22/2015)			\$129,300.00	\$129,300.01	
10/28/2015	\$129,300.01	IDFG		\$0.00	
2015 Interest			\$0.00	\$0.00	
2016 Funding (12/22/2016)			\$131,000.00	\$131,000.00	
11/8/2016	\$131,000.00	IDFG		\$0.00	
2016 Interest Credit			\$0.00	\$0.00	
2017 Funding (12/22/2017)			\$133,000.00	\$133,000.00	
10/20/2017	\$133,000.00	IDFG		\$0.00	
2017 Interest Credit			\$0.00	\$0.00	
2018 Funding (12/22/2018)			\$135,300.00	\$135,300.00	
12/12/2018	\$135,500.00	IDFG		-\$200.00	
2018 Interest Credit			\$0.00	-\$200.00	
2019 Funding (12/22/2019)			\$138,300.00	\$138,100.00	
12/4/2019	\$138,100.00	IDFG		\$0.00	
2019 Interest			\$0.00	\$0.00	
2020 Funding (12/22/2020)			\$140,800.00	\$140,800.00	
12/21/2020	\$140,800.00	IDFG		\$0.00	
2020 Interest			\$0.00	\$0.00	
2021 Funding (12/22/2021)			\$142,200.00	\$142,200.00	
12/15/21	\$142,200.00	IDFG	\$142,200.00	\$0.00	
2021 Interest			\$0.00	\$0.00	
2022 Funding (12/22/2022)			\$148,900.00	\$148,900.00	
12/1/22	\$148,900.00	IDFG		\$0.00	

<b>PacifiCorp</b> <b>Bear River Implementation Projects</b> <b>Habitat Enhancement</b> <b>315213</b>					
<b>December 2021 Carry Forward Balance</b>				\$513,677.84	
Posting Date	Invoice Amount	Contract	Credit	Balance	Notes
2021 Interest			\$25.68	\$513,703.52	
2022 Funding			\$248,663.00	\$762,366.52	
2/7/22	\$43,890.00	Ward Bros Dairy		\$718,476.52	2021 Paris Canyon Livestock Water Pipeline
3/28/22	\$1,288.00	Cirrus Ecological		\$717,188.52	2021 Kackley Pond Demo Design Support (Anabranh consult)
5/9/22	\$21,955.90	NW Band of the Shoshone Nation		\$695,232.62	2021 Boa Ogoi Battle Creek Habitat Enhancement Phase 1
7/11/22	\$5,681.25	Anabranh		\$689,551.37	2020 Bear Creek & Station Creek BDA Anabranh
8/18/22	\$1,036.43	Sagebrush Steppe Land Trust		\$688,514.94	2020 Kackley & Cove Springs Riparian Habitat Restoration
12/6/22	\$2,880.00	Sagebrush Steppe Land Trust		\$685,634.94	Johnson Stock Valley CE Due Diligence, needs to JV over to 315212
12/6/22	\$100,000.00	Trout Unlimited		\$585,634.94	Stauffer Creek
2022	\$176,731.58				
Total	\$3,322,422.41				

<b>PacifiCorp</b> <b>Bear River Implementation Projects</b> <b>Land and Water Acquisition SA 3.1.5</b> <b>315212</b>					
<b>December 2021 Carry Forward Balance</b>				\$1,730,689.65	
Posting Date	Invoice Amount	Contract	Credit	Balance	Notes
2021 Interest Credit			\$86.53	\$1,730,776.18	
2022 Funding			\$446,700.00	\$2,177,476.18	
1/10/22	\$18,105.04	Sagebrush Steppe		\$2,159,371.14	2021 Monitoring and Management Costs
8/18/22	\$1,450.23	Providia		\$2,157,920.91	2022 Kackley Weed Control (PacifiCorp contr)
8/22/22	\$448.20	Providia		\$2,157,472.71	2022 Kackley Weed Control (PacifiCorp contr)
9/6/22	\$36,289.26	Sagebrush Steppe		\$2,121,183.45	2020 B&R Ranch & Dry Creek CE
9/28/22	\$1,500.00	Sagebrush Steppe		\$2,119,683.45	2021 Smith CE Match
9/28/22	\$2,280.00	Sagebrush Steppe		\$2,117,403.45	2021 Johnson Ranch CE Match
9/28/22	\$12,905.04	Sagebrush Steppe		\$2,104,498.41	2021 Boa Ogoi CE Match
9/28/22	\$4,591.50	Sagebrush Steppe		\$2,099,906.91	2021 Jensen Deed Correction
11/7/22	\$158.01	Provida		\$2,099,748.90	2022 Kackley Weed Control (PacifiCorp contr)
11/18/22	\$558.90	Providia		\$2,099,190.00	2022 Kackley Weed Control (PacifiCorp contr)
12/6/22	\$8,345.14	Sagebrush Steppe		\$2,090,844.86	2020 B&R Ranch & Dry Creek CE
12/9/22	\$40,000.00	Sagebrush Steppe		\$2,050,844.86	2022 MOA Staff Support
2022 Expenditures	\$126,631.32				
Total Expenditures	\$4,877,631.32				

<b>PacifiCorp</b> <b>Bear River Implementation Projects</b> <b>ECC Coordination Hours 2022 -</b> <b>BRI-ECC (Labor Hours Only)</b>		
Name	Hours	Function
Stenberg	896	Environmental Coordination
Hugentobler	317	Project Coordination
TOTAL	1213	

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# Appendix A

*ECC Members, Designated Alternates, and Authorized Signatories*



<b>Table A-1. 2022 ECC Members, Designated Alternates and Authorized Signatories</b>		
<b>ECC Member and Designated Alternate</b>	<b>Organization</b>	<b>Authorized Signatory</b>
Ryan Beatty Michael Kuyper, Alternate	Bureau of Land Management	Mary D'Aversa Idaho Falls District Manager
Allison Michalski Kathy Rinaldi, Alternate	Greater Yellowstone Coalition	Kathy Rinaldi Idaho Conservation Coordinator
Kevin Lewis/Nick Kunath	Idaho Rivers United	Nic Nelson Executive Director
Carson Watkins/Patrick Kennedy Ryan Hillyard, Alternate	Idaho Department of Fish and Game	Ed Schriever Director
Keith Jones Andy Stokes, Alternate	Idaho Department of Parks and Recreation	Susan Buxton Director
Matt Bringham Jeremy Jirak, Alternate	U.S. Fish and Wildlife Service	Elliot Traher Assistant State Supervisor
Charlie Vincent Kevin Colburn, Alternate	American Whitewater	Kevin Colburn National Stewardship Director
Hunter Osborne	Shoshone-Bannock Tribes	Nathan Small Chairman, Fort Hall Business Council
Corey Lyman Lee Mabey, Alternate	USDA-Forest Service	Mary Farnsworth Regional Forester
Jim DeRito Warren Colyer, Alternate	Trout Unlimited	Kira Finkler Director, Idaho Water Project
Lynn Van Every/Jennifer Cornell Matt Schenk, Alternate	Idaho Department of Environmental Quality	Jesse Byrne Director
Susan Rosebrough Dan Miller, Alternate	National Park Service	Frank Lands Regional Director, Interior Regions 8, 9, 10, and 12
Mark Stenberg Eve Davies, Alternate	PacifiCorp	Timothy Hemstreet Managing Director, Renewable Energy

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# Appendix B

*Grace-Cove Site Plan Compliance Monitoring and Performance Tracking*



## Grace-Cove Site Plan Compliance Monitoring

Sant Parcel Compliance Monitoring				
Date: 9/26/2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Fence the parking area's east side and install a cattle gate or guard.</li> </ul>	Fall 2005	YES	Initially completed
		Annual Inspection	YES	Fence in good working condition
	<ul style="list-style-type: none"> <li>Sign the Black Canyon Take-out and the parking area with: (1) a "Part 8" mounting sign; (2) 3 "Part 8" sign placards; (3) a Benefits of Hydro Power sign; (4) a Boating Caution and Warning sign; (5) a "Stop" sign; (6) a "Day Use Only" (7) a "No Fires" sign; (8) a "Speed Limit 10 mph" sign; (9) and, a "Pack It In, Pack It Out" sign according to the RTSP, Appendix C.</li> </ul>	Spring 2006	YES	Completed
		Monthly Inspections	YES	Good Condition
	<ul style="list-style-type: none"> <li>Maintain the parking area and maintain the roadway according to RTSP standards, p. 29.</li> </ul>	Ongoing	YES	Good Condition
	<ul style="list-style-type: none"> <li>Ensure portable toilet is placed next to "Handicapped Parking" sign.</li> </ul>	Annual Inspection	YES	Completed
	<ul style="list-style-type: none"> <li>Maintain the portable toilet.</li> </ul>	Biweekly	YES	Clean and in good working condition
	<ul style="list-style-type: none"> <li>Remove debris and litter from the parking area and the gravel boat take-out area.</li> </ul>	Weekly	YES	Good Condition

<b>Sant Parcel Compliance Monitoring</b> <b>Date: 9/26/2022 Technician: Bryan Westerberg</b>				
Issue	Corrective Action	Timeframe	Completed?	Comments
	Destroy existing fire rings near the Black Canyon parking area and the boat take-out; rehabilitate these areas.	Fall 2005	YES	Initially completed
		Annual Inspection	YES	Good condition
	<ul style="list-style-type: none"> <li>Maintain boat take-out area at Black Canyon recreation site (RTSP, p. 29).</li> </ul>	Ongoing	YES	Initially completed
		Annual Inspection	YES	Good Condition
	<ul style="list-style-type: none"> <li>Complete the property boundary delineation on the east and south ends.</li> </ul>	Fall 2005	YES	Completed
		Annual Inspection	YES	Boundaries delineated
	<ul style="list-style-type: none"> <li>Ensure fence and fence post condition for all boundaries.</li> </ul>	Annual Inspection	YES	Fence posts in good working condition
	<ul style="list-style-type: none"> <li>Submit summary report of implementation of RTSP and FERC Form 80.</li> </ul>	Summer 2011	YES	N/A
		6-year Intervals	YES	Initial form submitted in 2005
<b>Vegetation Management</b>	<ul style="list-style-type: none"> <li>Revise the weed control contract to include backpack spraying and other appropriate techniques on areas away from roads and operating facilities. (Note: this action would affect all planning area parcels.).</li> </ul>	Spring 2006/Revise as needed	YES	Ongoing

<b>Sant Parcel Compliance Monitoring</b> <b>Date: 9/26/2022 Technician: Bryan Westerberg</b>				
Issue	Corrective Action	Timeframe	Completed?	Comments
	<ul style="list-style-type: none"> <li>Annual or biannual backpack spraying throughout the parcel only after other mechanical or biological control options have been evaluated.</li> </ul>	Spring 2006	YES	Initially completed
		Semiannual Rx/Monitoring	YES	Weeds generally controlled
<b>Wetland and Riparian Habitat Management</b>	<ul style="list-style-type: none"> <li>Fence the riparian system, extending the west parking area boundary along the river (Figure 2.).</li> </ul>	Spring 2006	YES	Completed
		Annual Inspection	YES	No trespass activity
<b>Agricultural Uses</b>	<ul style="list-style-type: none"> <li>Update the grazing lease agreement.</li> </ul>	Fall 2006	YES	Completed
		Update as needed	YES	Ongoing
	<ul style="list-style-type: none"> <li>Conduct annual pre-grazing forage height assessment.</li> </ul>	Spring 2006	YES	Completed

<b>Sant Parcel Compliance Monitoring</b> <b>Date: 9/26/2022                      Technician: Bryan Westerberg</b>				
Issue	Corrective Action	Timeframe	Completed?	Comments
		Annual Inspection	YES	Completed
	• Train lessees on forage utilization monitoring.	Fall 2006	YES	Completed in April of 2007
	• The lessee must submit forage utilization monitoring reports as required by the lease agreement.	Fall 2006	YES	Completed spring 2007
		Monthly	YES	Ongoing
	• Reconstruct north/south interior fence to allow a two-pasture grazing system within the parcel.	Fall 2005	YES	Completed
	• Ensure interior fence and fence post condition.	Annual Inspection	YES	Fence in good working condition

<b>Mansfield Parcel Compliance Monitoring</b> <b>Date: 9/26/2022                      Technician: Bryan Westerberg</b>				
Issue	Corrective Action	Timeframe	Completed?	Comments
<b>Public Access</b>	<ul style="list-style-type: none"> <li>Post the west boundary with property delineation markers.</li> </ul>	Summer 2005	YES	Completed
	<ul style="list-style-type: none"> <li>Determine whether north and south boundary fences are complete and accurately placed, and address any discrepancies noted.</li> <li>Ensure fence and fence post condition on all boundaries.</li> <li>Maintain existing pedestrian bridge.</li> </ul>	Annual Inspection	YES	Completed—Good Condition
	<ul style="list-style-type: none"> <li>Secure the southern access gate to prohibit future vehicle travel without PacifiCorp approval. If maintenance is required on the conveyance pipe, written notice will be required of the owners describing the type of work prior to access being permitted.</li> </ul>	Fall 2005	YES	Completed
		Annual Inspection	YES	Gate wired shut
	<ul style="list-style-type: none"> <li>Rehabilitate the water conveyance line by completing the following measures:               <ol style="list-style-type: none"> <li>Remove discarded, steel pipeline segments and other debris from the parcel.</li> <li>Repair the side cuts and drainage pathways along the 12-inch pipeline corridor. Feather or taper the edges and cover with available topsoil. During the repair process, place topsoil on the surface to enhance revegetation efforts.</li> </ol> </li> </ul>	Fall 2005/Spring 2006	YES	Good Condition
<b>Vegetation Management</b>		Annual Inspection	YES	Good condition-Dead Horse spring restoration complete

<b>Mansfield Parcel Compliance Monitoring</b> <b>Date: 9/26/2022                      Technician: Bryan Westerberg</b>				
Issue	Corrective Action	Timeframe	Completed?	Comments
	3. Revegetate the entire area with native vegetation (weed free, native seed mixture) to reduce the visual impact of a linear feature.			
	<ul style="list-style-type: none"> <li>Spot treat weed species along the pipeline corridor with herbicide to control weeds. Care should be taken to avoid spraying new broadleaf or shrubby vegetation intended for the corridor.</li> </ul>	Spring 2005	YES	
		Semiannual or Annual Rx/Monitoring	YES	Weeds generally controlled
	<ul style="list-style-type: none"> <li>Biannual backpack herbicide applications will be necessary to control weeds throughout the parcel and to encourage complete site recovery.</li> </ul>	Spring 2006	YES	
		Semiannual or Annual Rx/Monitoring	YES	Weeds generally controlled
	<ul style="list-style-type: none"> <li>Intensive backpack spraying weed control along 0.3 stretch of river integrated with mechanical and biological control measures.</li> </ul>	Spring 2006	YES	Completed
		Semiannual or Annual Rx/Monitoring	YES	Weeds generally controlled
<b>Wetland and Riparian Habitat Management</b>	<ul style="list-style-type: none"> <li>Investigate piped diversion to determine if spring flow could be returned to Bear River.</li> </ul>	Spring 2005	YES	Note: Determined to be infeasible to return flow to river.

Mansfield Parcel Compliance Monitoring				
Date: 9/26/2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Agricultural Uses	Not Applicable.			

Penstock Parcel Compliance Monitoring				
Date: 9/26/2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Confirm boundary alignment and post the west boundary with ownership signs.</li> </ul>	Fall 2005	YES	Completed
		Annual Inspection	YES	Good condition
	<ul style="list-style-type: none"> <li>Ensure fence and fence post condition on all boundaries</li> </ul>	Annual Inspection	YES	Good Condition
Vegetation Management	<ul style="list-style-type: none"> <li>Spray herbicides along the penstock access roads to manage weeds.</li> </ul>	Spring 2005	YES	Completed
		Semiannual or Annual Rx/Monitoring	YES	Weeds generally controlled
	<ul style="list-style-type: none"> <li>Construct water bars every 200 feet on the access roads made from soil with a 2 to 8 degree out slope to divert water flow.</li> </ul>	Fall 2005	YES	Runoff ditch created along penstock and access roads Will be annually monitored.
		Annual Inspection	YES	Good condition

Penstock Parcel Compliance Monitoring				
Date: 9/26/2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
	<ul style="list-style-type: none"> <li>Utilize short duration (10 days) grazing as an additional control for weedy annual grasses.</li> </ul>	Ongoing	YES	Occasionally grazed; depends on lessee
		Semiannual or Annual Rx/Monitoring	YES	
Wetland and Riparian Habitat Management	<ul style="list-style-type: none"> <li>Ensure spring boxes and the downstream wetlands are protected.</li> </ul>	Fall 2006	YES	Completed
		Annual Inspection	YES	Protected
Agricultural Uses	<ul style="list-style-type: none"> <li>Include the parcel in the grazing lease agreement for the Sant and Dugway parcels.</li> </ul>	Spring 2006	YES	Initially completed
		Update as needed	YES	Need to update with Property
	<ul style="list-style-type: none"> <li>Conduct annual pre-grazing forage height assessment.</li> </ul>	Annual Inspection	YES	Completed
	<ul style="list-style-type: none"> <li>Train lessee on forage utilization monitoring.</li> </ul>	Spring 2006	YES	Completed in April 2007
	<ul style="list-style-type: none"> <li>The lessee must submit forage utilization monitoring reports as required by the lease agreement.</li> </ul>	Spring 2006	YES	Initially completed
		Monthly	YES	Sent to Property

Cove Forebay West Parcel Compliance Monitoring				
Date: 9/26/2022 Technician: Bryan Westerberg				
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Complete the property delineation and boundary fence and post indicating ownership.</li> </ul>	Summer 2005	YES	Completed
		Annual Inspection	YES	Good Condition
	<ul style="list-style-type: none"> <li>Ensure fence and fence post condition on all boundaries.</li> </ul>	Annual Inspection	YES	Good Condition
Vegetation Management	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures along the riparian area and in localized, internal areas.</li> </ul>	Spring 2006	YES	
		Semiannual or Annual Rx/Monitoring	YES	Weeds generally controlled
	<ul style="list-style-type: none"> <li>Revise the monitoring plan for weeds and revegetation efforts following Cove decommissioning activities.</li> </ul>	Fall 2006	YES	Decommissioning not completed until winter 2006 <b>Added new performance tracking photo pt. in 2012</b> -weeds generally controlled in 2022
Wetland and Riparian Habitat Management	<ul style="list-style-type: none"> <li>Revise the monitoring plan for wetland and riparian areas following Cove decommissioning activities.</li> </ul>	Fall 2006	YES	Decommissioning not completed until winter 2006 <b>Added new performance tracking photo pt. in 2012</b> -good condition in 2022
Agricultural Uses	Not Applicable.			

Dugway Parcel Compliance Monitoring				
Date: 9/26/2022 Technician: Bryan Westerberg				
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	• Fence pasture throughout.	Spring 2006	YES	Completed
	• Ensure fence and fence post condition.	Annual inspection.	YES	Fence has been removed around pasture, grazing no longer permitted
Vegetation Management	• Control localized weed infestations with herbicide applications and other appropriate techniques.	Spring 2006	YES	
		Semiannual or Annual Rx/Monitoring	YES	Weeds generally controlled
Wetland and Riparian Habitat Management	• Fence the channel currently used as the cattle water source and develop a water trough in the northeast corner of the parcel.	Fall 2006	YES	Not completed until spring 2007
		Annual inspection	YES	Good condition
Agricultural Uses	• Include the parcel in the grazing lease agreement that includes the Sant and Penstock parcels.	Fall 2006	YES	Completed spring 2007
		Update as needed	YES	N/A no longer grazing
	• Conduct annual pre-grazing forage height assessment.	Annual inspection.	YES	N/A no longer grazing
	• Train lessee on forage utilization monitoring.	Fall 2006	YES	N/A no longer grazing
	• The lessee must submit forage utilization monitoring reports as required by the lease agreement.	Fall 2006	YES	Initially completed
		Monthly	YES	N/A no longer grazing

Kackley Springs Parcel Compliance Monitoring				
Date: 9/26/2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Confirm that the boundary delineation and fencing are complete and accurate.</li> </ul>	Fall 2005	YES	
		Annual Inspection	YES	
	<ul style="list-style-type: none"> <li>Ensure fence and fence post condition on all boundaries.</li> </ul>	Annual Inspection	YES	
	<ul style="list-style-type: none"> <li>Maintain the existing road.</li> </ul>	Ongoing	YES	
		Annual Inspection	YES	Good working condition
Vegetation Management	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures throughout the parcel</li> </ul>	Ongoing	YES	
		Semiannual or Annual Rx/Monitoring	YES	Weeds generally controlled
Wetland and Riparian Habitat Management	<ul style="list-style-type: none"> <li>Develop and implement a plan to either re-divert Kackley Springs flows or otherwise maintain them in a configuration favorable to aquatic resources.</li> </ul>	2009	YES	Plan and construction initially complete; ongoing work to improve habitat for BCT.
Agricultural Uses	Not Applicable.			

Cove Plant Parcel Compliance Monitoring				
Date: 9/26/2022 Technician: Bryan Westerberg				
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	• Complete the property delineation.	Summer 2005	YES	Completed
		Annual Inspection	YES	Good condition
	• Ensure fence and fence post condition.	Annual Inspection	YES	Good working condition
	• Maintain the existing road.	Ongoing	YES	
		Annual Inspection	YES	Good working condition
Vegetation Management	• Undertake appropriate weed control measures throughout the parcel, including specifically the rock spoil piles on river bank.	Ongoing	YES	Initially completed
		Semiannual or Annual Rx/Monitoring	YES	Weed generally controlled
	• Complete Cove buffer fence project.	Fall 2006	YES	Completed
	• Ensure Cove buffer fence condition.	Annual Inspection	YES	Good working condition
Wetland and Riparian Habitat Management	• Implement Cove buffer fencing to protect riparian area from grazing impacts.	Fall 2005	YES	Completed
		Annual Inspection	YES	Good condition
Agricultural Uses	• Update the parcel's grazing lease agreement.	Fall 2006	YES	No grazing in 2022
		Update as needed	YES	

Cove Plant Parcel Compliance Monitoring				
Date: 9/26/2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
	• Conduct annual pre-grazing forage height assessment.	Fall 2006	YES	No grazing in 2022
	• Train lessees on forage utilization monitoring.	Annual Inspection	N/A	Completed in April 2007
	• The lessee must submit forage utilization monitoring reports as required by the lease agreement.	Fall 2006	N/A	No grazing
		Monthly	N/A	No grazing

## Grace-Cove Performance Tracking

Sant Parcel Performance Tracking					
Date: 9-26-22 Technician: Bryan Westerberg		Initial Performance Tracking:		<input checked="checked" type="checkbox"/> Check if DFCs have been reviewed.	
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
Public Access	PA1 - Viable recreational uses are maintained and/or improved. (also PA2, PA5, PA6, PA7, VM1, WR1, WR2, and AU3.)	Are desired recreation activities occurring without discernible adverse environmental impacts? <ul style="list-style-type: none"> <li>• Are recreation opportunities, rules, and boating and fishing access at the Black Canyon take-out evident?</li> <li>• Is public signage easily visible and appropriately located?</li> <li>• Are adverse conditions occurring outside the recreation area?</li> </ul>	SP1	YES	Area looks good
	PA2 - Disturbed lands are improved to restore healthy vegetated communities. (also VM1, WR1, and WR3.)	Is there noticeable improvement in riparian habitat since fire ring rehabilitation and sign placement? <ul style="list-style-type: none"> <li>• Is there any new fire activity in the vicinity of the Black Canyon take-out?</li> <li>• Is trampled vegetation in the area recovering?</li> </ul>	SP2	YES	Riparian area looks good, continued improvement

Sant Parcel Performance Tracking					
Date: 9-26-22		Technician: Bryan Westerberg	Initial Performance Tracking:		<input checked="" type="checkbox"/> Check if DFCs have been reviewed.
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
Wetland and Riparian Habitat	WR2 - Riparian zones, wetlands and aquatic resources are healthy and are functioning properly. (also PA2, PA7, VM1, VM2, WR1, AU3, and AU4.)	Since implementation of the Site Plan, is the wet meadow habitat stable or increasing?  <ul style="list-style-type: none"> <li>Is there evidence of livestock use (e.g. manure, trampling, or trails)?</li> <li>Are riparian species, especially shrub and woody species, increasing?</li> </ul>	SP3	YES	Wet meadow looks good No livestock use present
			SP4		Species are stable

Mansfield Parcel Performance Tracking					
Date: 9-26-22		Technician: Bryan Westerberg	Initial Performance Tracking: September 2009		<input checked="" type="checkbox"/> Check if DFCs have been reviewed.
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
Vegetation Management	VM2 - The extent of undesirable or weedy vegetation is reduced and treatments are scheduled as necessary. (also PA2, PA7, VM2, VM3, and WR2.)	Are weeds and other undesirable species decreasing?	MP1	YES	Looks good
Wetland and Riparian Habitat Management	WR2 - Riparian zones, wetlands, and aquatic resources are healthy and are properly functioning. (also PA2 and VM1.)	Are riparian species, especially shrub and woody species, increasing around the footbridge?	MP2	YES	Looks good

<b>Penstock Parcel Performance Tracking</b> <b>Date: 9-26-22      Technician: Bryan Westerberg      Initial Performance Tracking: September 2009</b>					
					<input checked="checked" type="checkbox"/> Check if DFCs have been reviewed.
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
<b>Wetland and Riparian Habitat Management</b>	WR1 - Wetland and riparian resources, spring complexes and the river shoreline are buffered and protected. (also PA2, PA7, VM1, VM2, AU3, and AU4.)	Are the wetland/spring box areas healthy and properly functioning?  <ul style="list-style-type: none"> <li><i>Is there evidence of livestock use (e.g. manure, trampling, or trails)?</i></li> </ul>	No PP	YES	Looks good

<b>Kackley Springs Parcel Performance Tracking</b> <b>Date: 9-26-22      Technician: Bryan Westerberg      Initial Performance Tracking: September 2009</b>					
					<input checked="checked" type="checkbox"/> Check if DFCs have been reviewed.
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
<b>Vegetation Management</b>	VM2 - The extent of undesirable or weedy vegetation is reduced and treatments are scheduled as necessary.	Are weeds and other undesirable species decreasing?	KSP1	YES	Looks Good-weed control ongoing

Cove Plant Parcel Performance Tracking					
Date: 9-26-22 Technician: Bryan Westerberg		Initial Performance Tracking: September 2009		<input checked="" type="checkbox"/>	Check if DFCs have been reviewed.
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
Wetland and Riparian Habitat Management	WR1 - Wetland and riparian resources, spring complexes and the river shoreline are buffered and protected. (also PA7, VM1, AU3, and AU4.)	Since implementation of the Site Plan, are shrub/woody species increasing?	CPP1	YES	Looks good
			CPP2	YES	

# Grace Performance Tracking Photos

## September 2022

Sant Parcel



SP1

N42 32.581' W111 47.864'



SP2

N42 32.596' W111 47.936'

**Sant Parcel**



**SP3**

**N42 32.497 W111 47.930**



**SP 4**

**N42 32.461 W111 47.822'**

**Mansfield Parcel**



**MP1**

**N42 32.554' W111 48.054'**



**MP2**

**N42 32.628' W111 47.974'**

### Kackley Springs Parcel



**KSP1**

**N42 32.043' W111 47.486'**

### Cove Plant Parcel



**CPP1**

**N42 30.874 W111 47.661**

**Cove Plant Parcel**



**CPP2**

**N42 30.722' W111 47.681'**



**Cove Forebay (New Photopoint added in 2012)**

**N42 31.938' W111 47.714'**

# Appendix C

*Cove Shoreline Buffer Fence Annual Monitoring Report*



## **Cove Shoreline Buffer Fence 2022 Annual Monitoring Report**

In the fall of 2006, a fenceline was constructed on the west side of the Bear River, essentially running the length of the Grace-Cove project area, as part of the required implementation of the 2003 Federal Energy Regulatory Commission (FERC) Bear River Idaho license (FERC No. 20). The fenceline was constructed on private land not owned by PacifiCorp, between the former Cove forebay and the Cove plant to fulfill the requirements of Bear River License Article 426. The new fenceline was constructed to create a buffer zone to protect the river and its banks from livestock grazing and any other agricultural land uses. This project involved PacifiCorp, the United States Fish and Wildlife Service (USFWS), and several private landowners whose property abutted the Bear River. New fence construction, as well as the updating of existing fencelines, resulted in approximately 9,000 feet of continuous fenceline along the Bear River. Currently, 1.5 miles of riparian zone along both sides of the Bear River between the Grace Hydro Plant and the former Cove plant is now protected by this fenceline (fulfilling in part, License Articles 425 and 426). This protection will help to improve the overall condition of the riparian zone as well as improve bank stabilization, wildlife habitat, and water quality.

Since completion of the fenceline in 2006, Sagebrush Steppe Land Trust (SSLT), in conjunction with the Bear River Environmental Coordination Committee (ECC), has purchased 154 acres of land on the east side of the Bear River that is adjacent to the Cove shoreline buffer. To further protect this stretch of the river, SSLT created perpetual conservation easements with the private landowners within the area between the fence and the river for additional protection from future undesired uses.

PacifiCorp is responsible for annual fence monitoring and inspection, as well as any required maintenance for the duration of the FERC license, which will expire in 2033. SSLT will be responsible for all other required land management practices within this buffer.

During this report period, annual monitoring was conducted on November 14, 2022. No cattle were present anywhere in the buffer at the time of monitoring. The overall condition of the buffer areas was good. Noxious weeds in the buffer areas were generally controlled except in McCurdy I, where a large patch of musk thistle was present.

**Olsen I:** Length: 440 feet

**Type:** 4-strand, barbwire on steel posts.

**Baseline Condition:** Fence moved (December 2007) to correct property boundary. Fenceline runs east and west through the riparian zone. Fenceline is in good condition. Riparian area is dominated by sedges and wet meadow grasses, and is in good condition.

**2022 Maintenance Required:** No

**2022 Easement Conflict:** No

**2022 Photo:** Looking west from fence corner.



**Olsen I 2022**

**McCurdy I:** Length: 320 feet

**Type:** Existing and upgraded, 6-strand, barbwire on steel and wood posts.

**Baseline Condition:** There has been some confusion regarding the location of the McCurdy fence segment. The actual location is west of Olsen I on the hillside below the canal. The fenceline borders the SSLT property on the west boundary. The photopoint used in previous years was looking south through the McCurdy I riparian along the old fenceline. In 2010 a new photopoint was established for McCurdy I, looking south from the fence corner below the canal.

**2022 Maintenance Required:** No

**2022 Easement Conflict:** No

**2022 Photo:** Looking south on west boundary.



**McCurdy I 2022**

**Hansen:** Length: 200 feet

**Type:** 5-strand, barbwire on steel posts.

**Baseline Condition:** Fenceline is in good condition, as well as the riparian area. Riparian area is dominated by small stands of willows along with cattails and other emergent marsh-type grasses.

**2022 Maintenance Required:** Possibly, willows and cattails have overtaken the fenceline

**2022 Easement Conflict:** No

**2022 Photo:** Looking south through Hansen riparian.



**Hansen 2022**

**McCurdy II:** Length: 900 feet

**Type:** Field fence, 1-strand barbwire below, 2-strand barbwire above, steel posts.

**Baseline Condition:** Fenceline and riparian zone are in good condition. Riparian zone dominated by dense stands of woody shrubs, including Wood's rose and black hawthorn.

**2022 Maintenance Required:** No

**2022 Easement Conflict:** No

**2022 Photo:** Looking south through McCurdy II riparian zone.



**2022 McCurdy II**

**Olsen II:** Length: 2700 feet

**Type:** Combination of existing, upgraded 7-strand barbwire on steel and wood posts and new 5-strand barbwire on steel posts.

**Baseline Condition:** Fenceline and riparian area in overall good condition. Riparian area dominated by grasses and willow and other shrub stands.

**2022 Maintenance Required:** No

**2022 Easement Conflict:** No

**2022 Photo:** Looking south through riparian zone.



**2022 Olsen II**

**Harris:** Length: 4440 feet

**Type:** Combination of new, 5-strand barbwire on steel posts and new field fence with 2-strand barbwire on top, on steel posts, two soft gates included to provide access to lessees on embedded 40-acre BLM lease.

**Baseline Condition:** The Harris section of fenceline is currently monitored in two parts, Harris Riparian and Harris BLM sections. In previous years the two sections were monitored as one segment, but since 2012 they have been monitored as two separate sections. The Harris BLM section fenceline separates the Harris property from BLM property; a new photopoint for this section was established in 2012. This area is dominated by grasses and shrubs and was found in good condition in 2012. The Harris section consists of the riparian area along the river's edge. The riparian area is a very narrow strip along the Bear River with steep banks. The area is dominated by grasses and small stands of willows.

**Harris BLM Section:**

**2022 Maintenance Required:** No

**2022 Easement Conflict:** No

**2022 Photo:** Looking west along BLM property line.



**2022 Harris BLM Section**

**Harris Riparian Section:**

**2022 Maintenance Required:** No

**2022 Easement Conflict:** No

**2022 Photo:** Looking north along riparian/upland area.



**2022 Harris Riparian Section**

# Appendix D

*Oneida Site Plan Compliance Monitoring and Performance Tracking*



## Oneida Compliance Monitoring

Cottonwood Creek Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Complete the property boundary on the above-water portions of the parcel.</li> </ul>	Spring 2007	YES	Completed September 2009
		Annual inspection.	YES	Looks good
	<ul style="list-style-type: none"> <li>Insure fence and fence post condition on all boundaries.</li> </ul>	Spring 2007	YES	Initially completed
		Annual inspection.	YES	Fence good working condition, Inspection completed spring of 2022
Vegetation Management	<ul style="list-style-type: none"> <li>Revise the weed control contract to include backpack spraying and other appropriate techniques on the above-water portions of the parcel. (Note: this action would affect all parcels.)</li> </ul>	Fall 2006	YES	Initially completed
		Revise as needed; monitor seasonally.	YES	Weeds under control
Wetland and Riparian Habitat Management	<ul style="list-style-type: none"> <li>As long as the riparian zone and wetland areas above the waterline are protected, no other action is required.</li> </ul>	Spring 2008	YES	Initially completed September 2009
		Annual Inspection.	YES	Looks good
Agricultural Uses	Not Applicable.			

Oneida Plant Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Use appropriate methods to determine and demarcate PacifiCorp-owned lands.</li> </ul>	Fall 2007	YES	Initially completed summer 2007
		Annual inspection.	YES	Looks good
	<ul style="list-style-type: none"> <li>Insure fence and fence post condition on all boundaries.</li> <li>Complete the signage and facilities at the Day Use Area and the Oneida Narrows put-in with: (1) recreational rules signs; (2) "Part 8" signs; (3) a "Stop" sign; (4) "No Fires" signs; (5) "Speed Limit 10 mph" signs; (6) "Pack It In, Pack It Out" signs; (7) a portable toilet at the put-in; and (8) a replacement for the composting toilet at the Day Use Area.</li> <li>Post "No Trespassing" and ownership signs on the west side near the pedestrian bridge and "lawn area" to prevent public access to the bypassed reach and "old camp" areas.</li> </ul>	Spring 2008	YES	Initially completed spring 2011
		Annual inspection.	YES	Fences and Signs good
	<ul style="list-style-type: none"> <li>Maintain the parking areas according to RTSP standards (p. 29).</li> </ul>	Ongoing	YES	Initially completed
		Annual inspection/ Biweekly removal of debris.	YES	Looks good
	<ul style="list-style-type: none"> <li>Maintain boat access at Oneida Narrows put-in and the Day Use Area (RTSP, p. 29).</li> </ul>	Ongoing	YES	Initially completed

Oneida Plant Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
		Monthly (in season) inspection of boat launches for debris/ Biannually (pre- and post-season) inspection of boat launch and removal of debris.	YES	Both boat launches look good
	<ul style="list-style-type: none"> <li>Coordinate with the BLM to control public access to the bypassed reach.</li> </ul>	Fall 2006	YES	Initially completed fall 2006
<b>Vegetation Management</b>	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures along the riparian zone and the Oneida Project Road as well as in localized, internal areas.</li> </ul>	Spring 2007	YES	Initially completed
		Also see the Performance Tracking form.	YES	Weeds Controlled
<b>Wetland and Riparian Habitat Management</b>	<ul style="list-style-type: none"> <li>As long as the riparian zone and wetland areas are protected, no other action is required.</li> </ul>	Spring 2008	YES	Initially completed
		Annual inspection.	YES	Good
<b>Agricultural Uses</b>	Not Applicable.			

Westside Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Use appropriate methods to determine and demarcate PacifiCorp owned lands.</li> </ul>	Fall 2007	YES	Initially completed summer 2007
		Annual inspection.	YES	Annual inspection complete spring 2022
	<ul style="list-style-type: none"> <li>Insure fence and fence post condition on all boundaries to prevent trespass grazing and OHV access.</li> </ul>	Spring 2008	YES	Initially completed
		Annual inspection.	YES	Looks good
Vegetation Management	<ul style="list-style-type: none"> <li>Revegetate the lowlands with native upland vegetation if agricultural use is discontinued.</li> </ul>	Fall 2011	YES	Initially completed fall 2010
		Annual inspection.	YES	Looks good
	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures along the riparian zone and in localized, internal areas.</li> </ul>	Spring 2007	YES	Initially completed
		See Performance Tracking form.	YES	Weeds controlled
Wetland and Riparian Habitat Management	<ul style="list-style-type: none"> <li>As long as the riparian zone and wetland areas are protected, no other action is required.</li> </ul>	Spring 2008	YES	Initially completed
		Annual inspection.	YES	Good condition
Agricultural Uses	<ul style="list-style-type: none"> <li>Establish an agricultural use or alternative reclamation plan for the parcel.</li> </ul>	Spring 2011	YES	Land reclaimed and converted to "conservation upland" status fall of 2010 and remains in 2022
	Implement the following measures, if applicable:			
	<ul style="list-style-type: none"> <li>Conduct annual pre-grazing forage height assessment:</li> </ul>	Spring 2007 (or prior to initiating grazing)	N/A	N/A
		Annual inspection.	N/A	N/A

Westside Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
	• Train lessee on forage utilization monitoring.	Spring 2007 (or prior to initiating grazing)	N/A	N/A
		As needed.	N/A	
	• Obtain lessee forage utilization monitoring reports as required by the lease agreement.	Monthly	N/A	N/A
		See the Performance Tracking form.	N/A	
	• Complete interior and riparian zone fences to allow a multi-pasture grazing system within the parcel.	Spring 2007 (or prior to initiating grazing)	N/A	N/A
		Annual inspection.	N/A	
	• Develop and inspect water sources at appropriate locations or water trucking plan.	Spring 2007 (or prior to initiating grazing)	N/A	N/A
		Annual inspection.	N/A	N/A

Eastside Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Use appropriate methods to determine and demarcate PacifiCorp owned lands.</li> </ul>	Fall 2007	YES	Completed
		Annual inspection.	YES	Good
	<ul style="list-style-type: none"> <li>Insure fence and fence post condition on all boundaries to prevent trespass grazing and OHV access.</li> </ul>	Spring 2008	YES	Initially completed
		Annual inspection.	YES	Fence inspected spring of 2022
	<ul style="list-style-type: none"> <li>Close dispersed campsites using rocks or fences.</li> </ul>	Spring 2007	YES	Completed
		Annual inspection	YES	Campsites remain closed
	<ul style="list-style-type: none"> <li>Remove existing fire rings at undesignated campsites.</li> </ul>	Spring 2007	YES	Completed
		Annual inspection	YES	Looks good
Vegetation Management	<ul style="list-style-type: none"> <li>Rehabilitate dispersed campsites, where necessary.</li> </ul>	Spring 2007	YES	Completed
		Annual inspection.	YES	Looks Good
	<ul style="list-style-type: none"> <li>Revegetate the pastures with native upland vegetation if agricultural use is discontinued.</li> </ul>	Fall 2011	YES	Ag used discontinued Initially completed fall 2010
		Annual inspection.	YES	Looks good
	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures along the riparian zone and in localized, internal areas.</li> </ul>	Spring 2007	YES	Initially completed
		Biannual Rx/Monitoring	YES	Weeds controlled.

Eastside Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Wetland and Riparian Habitat Management	<ul style="list-style-type: none"> <li>As long as the riparian zone and wetland areas are protected, no other action is required.</li> </ul>	Spring 2008	YES	Initially completed
		Annual inspection.	YES	Remains protected
Agricultural Uses	<ul style="list-style-type: none"> <li>Establish an agricultural use or alternative reclamation plan for the parcel.</li> </ul>	Spring 2011	YES	No agricultural use Land reclaimed and converted to "Conservation upland" status
	Implement the following measures, if applicable:			
	<ul style="list-style-type: none"> <li>Conduct annual pre-grazing forage height assessment:</li> </ul>	Spring 2007 (or prior to initiating grazing)	N/A	Grazing not taking place N/A
		Annual inspection	N/A	
	<ul style="list-style-type: none"> <li>Train lessee on forage utilization monitoring.</li> </ul>	Spring 2007 (or prior to initiating grazing)	N/A	N/A
		As needed.	N/A	
	<ul style="list-style-type: none"> <li>Obtain lessee forage utilization monitoring reports as required by the lease agreement.</li> </ul>	Monthly	N/A	N/A
		See the Performance Tracking form.	N/A	N/A

Eastside Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
	<ul style="list-style-type: none"> <li>Complete interior and riparian zone fences to allow a multi-pasture grazing system within the parcel.</li> </ul>	Spring 2007 (or prior to initiating grazing)	N/A	Grazing not taking place N/A
		Annual inspection.	N/A	N/A
	<ul style="list-style-type: none"> <li>Develop and inspect water sources at appropriate locations or water trucking plan.</li> </ul>	Spring 2007 (or prior to initiating grazing)	N/A	N/A
		Annual inspection.	N/A	N/A

Redpoint Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Use appropriate methods to determine and demarcate PacifiCorp owned lands.</li> </ul>	Fall 2007	YES	Initially completed
		Annual inspection.	YES	Looks Good
	<ul style="list-style-type: none"> <li>Insure fence and fence post condition on all boundaries to prevent trespass grazing and OHV access.</li> </ul>	Spring 2008	YES	Initially completed
		Annual inspection.	YES	Fence inspection spring of 2022-in good condition
	<ul style="list-style-type: none"> <li>Close dispersed campsites using rocks or fences.</li> </ul>	Spring 2007	YES	Initially completed

Redpoint Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
	<ul style="list-style-type: none"> <li>Remove existing fire rings at undesignated campsites.</li> </ul>	Annual inspection.	YES	Looks good
		Spring 2007	YES	Initially completed
		Annual inspection.	YES	Looks Good
<b>Vegetation Management</b>	<ul style="list-style-type: none"> <li>Rehabilitate dispersed campsites where necessary.</li> </ul>	Spring 2007	YES	Initially completed
		Annual inspection.	YES	Site/vegetation recovery proceeding
	<ul style="list-style-type: none"> <li>Revegetate with native upland vegetation if agricultural use is discontinued.</li> </ul>	Fall 2011	YES	Ag use discontinued – Initially completed fall 2010
		Annual inspection.	YES	Looks good
	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures along the riparian zone and in localized, internal areas.</li> </ul>	Spring 2007	YES	Initially completed
		Also see the Performance Tracking form.	YES	Weeds controlled
<b>Wetland and Riparian Habitat Management</b>	<ul style="list-style-type: none"> <li>As long as the riparian zone and wetland areas are protected, no other action is required.</li> </ul>	Spring 2008	YES	Initially completed 2009
		Annual inspection.	YES	Looks good-lots of growth
<b>Agricultural Uses</b>	<ul style="list-style-type: none"> <li>Establish an agricultural use or alternative reclamation plan for the parcel.</li> </ul>	Spring 2011	YES	No ag use – reclamation plan initially completed in 2010
	Implement the following measures, if applicable:			

Redpoint Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
	<ul style="list-style-type: none"> <li>Conduct annual pre-grazing forage height assessment:</li> </ul>	Spring 2007 (or prior to initiating grazing)	N/A	Grazing not taking place N/A
		Annual inspection.	N/A	
	<ul style="list-style-type: none"> <li>Train lessee on forage utilization monitoring.</li> </ul>	Spring 2007 (or prior to initiating grazing)	N/A	Grazing not taking place N/A
		As needed.	N/A	N/A
	<ul style="list-style-type: none"> <li>Obtain lessee forage utilization monitoring reports as required by the lease agreement.</li> </ul>	Monthly	N/A	N/A
		See the Performance Tracking form.	N/A	
	<ul style="list-style-type: none"> <li>Complete interior and riparian zone fences to allow a multi-pasture grazing system within the parcel (for grazing or cultivation practices).</li> </ul>	Spring 2007	N/A	N/A
		Annual inspection.	N/A	N/A
	<ul style="list-style-type: none"> <li>Develop and inspect water at appropriate locations or water trucking plan.</li> </ul>	Spring 2007	N/A	N/A
		Annual inspection.	N/A	N/A

Mink Creek Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Use appropriate methods to determine and demarcate PacifiCorp owned lands.</li> </ul>	Fall 2007	YES	Completed summer 2007
		Annual inspection	YES	Looks good
	<ul style="list-style-type: none"> <li>Insure fence and fence post condition on all boundaries to prevent trespass grazing and OHV access.</li> </ul>	Spring 2008	YES	
	<ul style="list-style-type: none"> <li>Extend northern fenceline further into the river to prevent trespass grazing.</li> </ul>	Annual inspection.	YES	Fence inspection in spring of 2022-good condition
	<ul style="list-style-type: none"> <li>Complete the signage and facilities at the Oneida Narrows take-out with: (1) a recreational rules sign; (2) a "Part 8" sign; (3) a "No Fires" sign; (4) a "Pack It In, Pack It Out" sign; and (5) a portable toilet.</li> </ul>			
	<ul style="list-style-type: none"> <li>Install one sign at the planning area's south entrance that includes: (1) recreational rules; (2) "Part 8"; (3) "No Fires"; (4) a "Speed Limit 10 mph"; and (5) "Pack It In, Pack It Out" requirement.</li> </ul>	Fall 2006	YES	Complete
		Annual inspection.	YES	
	<ul style="list-style-type: none"> <li>Maintain the Narrows take-out parking area according to RTSP standards (p. 29).</li> </ul>	Ongoing	YES	Initially completed
		Annual inspection/ Biweekly removal of debris.	YES	Parking area in good condition
	<ul style="list-style-type: none"> <li>Maintain boat access (RTSP, p. 29).</li> </ul>	Ongoing	YES	Initially completed

Mink Creek Parcel Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
		Annual inspection.	YES	Boat access in good condition, lots of public use
	• Close dispersed campsites.	Spring 2007	YES	Initially completed
		Annual inspection.	YES	Campsites still closed, no activity
	• Remove existing fire rings at undesignated campsites.	Spring 2007	YES	Initially completed
		Annual inspection.	YES	No new fire rings
	• Rehabilitate dispersed campsites where necessary.	Spring 2007	YES	Initially completed 2008
		Biannual or Annual Rx/Monitoring	YES	Looks good – no change
	• Undertake appropriate weed control measures along the riparian zone and in localized, internal areas.	Spring 2007	YES	Initially completed
		Biannual or Annual Rx/Monitoring	YES	Weeds controlled
<b>Wetland and Riparian Habitat Management</b>	• As long as the riparian zone and wetland areas are protected, no other action is required.	Spring 2008	YES	Initially completed
		Annual inspection	YES	Riparian zones and wetlands protected
<b>Agricultural Uses</b>	Not applicable unless decision is made to use lease to control cattle use on eastern side of parcel (see 2011 LMP).	Future Action	N/A	N/A

Area-Wide Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Road Maintenance	<ul style="list-style-type: none"> <li>Conduct regular maintenance on the Oneida Project Road including surface blading, dust abatement, snow removal, minor structure replacement, brush removal, culvert cleaning, and hazard tree removal.</li> <li>Maintain Oneida Project Road to prevent pushing sidecast material into riparian fringes along roadside.</li> </ul>	Annual or more frequently as needed.	YES	Initially complete and ongoing
	<ul style="list-style-type: none"> <li>Maintain traffic signs along the Oneida Project Road.</li> </ul>	Annual	YES	Good condition
	<ul style="list-style-type: none"> <li>Construct a turn-around loop at or near the Day Use Area to improve safety and maneuverability for vehicles along the Oneida Project Road. Provide a sign to indicate campsite availability at the Maple Grove Campground just north of the Day Use Area.</li> </ul>	Fall 2007	YES	Completed 2006
	<ul style="list-style-type: none"> <li>Fund law enforcement patrols along the Oneida Project Road May 1 through October 1.</li> </ul>	Annual	YES	Completed and ongoing
	<ul style="list-style-type: none"> <li>Request that Franklin County cooperate to enforce the OHV ordinance on PacifiCorp land.</li> </ul>	2007	YES	Complete and ongoing
	<ul style="list-style-type: none"> <li>Implement dust abatement measures along the Oneida Project Road adjacent on and up to 100 feet on either side of the Maple Grove and Redpoint campgrounds from Memorial Day to Labor Day.</li> </ul>	Memorial Day through Labor Day	YES	Complete and ongoing
	<ul style="list-style-type: none"> <li>Provide BLM funding to complete improvements on Segment E of the Oneida Project Road including: (1) corner improvements; (2) new pullouts; and (3) erosion control measures.</li> </ul>	Fall 2006	Annual inspection.	Good condition

Area-Wide Compliance Monitoring				
Date: August 31, 2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
	<ul style="list-style-type: none"> <li>Coordinate with the BLM and other public agencies to designate the Oneida Project Road as the only motor vehicle route in the planning area.</li> </ul>	Fall 2006	YES	Initially complete and ongoing
Recreation Maintenance	<ul style="list-style-type: none"> <li>Coordinate with Oneida County and other local entities as appropriate to communicate to the public the issues associated with dispersed camping on PacifiCorp-owned land and the rationale for proposed management actions.</li> </ul>	Fall 2006	YES	Initially complete and ongoing
	<ul style="list-style-type: none"> <li>Redesignate the potential campground site on the Eastside Parcel as Developed Recreation Area, but continue to manage it as Conservation Upland until a feasible plan for campground development is brought forward by the BLM or another public entity.</li> </ul>	As appropriate.	No – Future action	N/A
	<ul style="list-style-type: none"> <li>Review status of potential campground on Eastside Parcel and re-classify site as Conservation Upland if no feasible proposal for campground development has been accepted.</li> </ul>	2016	N/A	N/A
	<ul style="list-style-type: none"> <li>Inspect the planning area and document public use, recreational safety, road maintenance, and environmental impacts per LMP and RTSP.</li> </ul>	2011, 2016, 2021, 2026, 2031	5-year interval.	Completed 2016 Recreation use currently appropriate for Oneida Canyon
	<ul style="list-style-type: none"> <li>Complete FERC Form 80 to assess recreational use levels.</li> </ul>	2012	6-year interval.	Schedule changed – planning in 2012, implement in 2013/2014

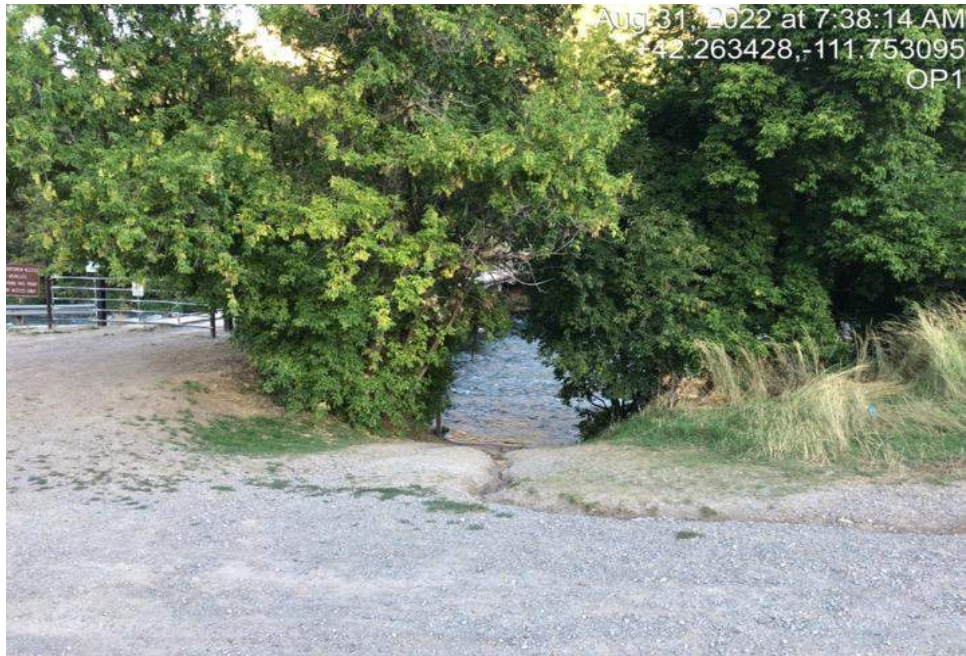
## Oneida Performance Tracking

Oneida Plant Performance Tracking					
Date: 8-31-2022		Technician: Westerberg		Initial Performance Tracking: September 2009	
				<input checked="" type="checkbox"/>	Check if DFCs have been reviewed.
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
<b>Public Access</b>	PA1 - Viable recreational uses are maintained and/or improved. (also PA2, PA5, PA6, PA7, VM1, WR1, and WR3.)	<p>Are desired recreation activities occurring without discernible adverse environmental impacts*?</p> <ul style="list-style-type: none"> <li>• Are recreation opportunities, rules, and boating and fishing access evident?</li> <li>• Has litter/debris been removed?</li> <li>• Is the portable toilet maintained?</li> </ul> <p><i>*Applicable to the Oneida Narrows put-in, the Day Use Area, and the Take-Out and the "lawn area".</i></p>	OP1 (located at Oneida Narrows put-in)	YES	Put-in Looks good/lots of public use
			OP2 (located at Day Use Area)	YES	Day use area looks good
			OP3 (located at "lawn area")	YES	Lawn area looks good
			OP4 (located at "Oneida take-out")	YES	Take-out looks good.

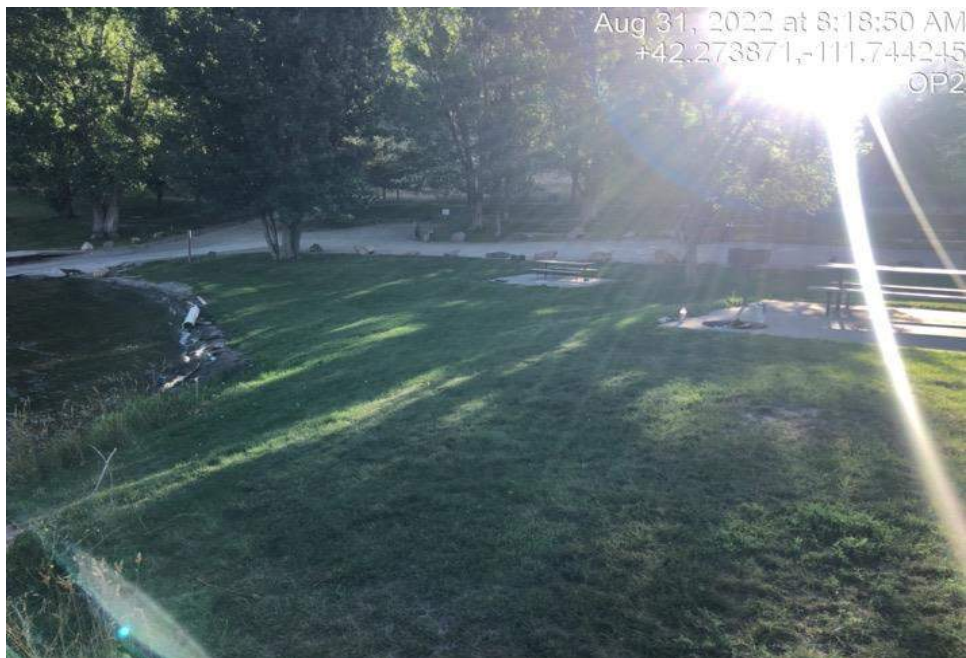
Eastside Parcel Performance Tracking				<div><div>X</div></div> Check if DFCs have been reviewed.	
Date: 8-31-2022		Technician: Westerberg			
Initial Performance Tracking: September 2009					
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
Public Access	PA2 - Disturbed lands are improved to restore healthy vegetated communities. (also PA5, PA6, PA7, PA8, PA9, PA10, VM1, VM3, WR1, WR2, and WR3.)	Is there noticeable improvement in riparian habitat since fire ring rehabilitation and sign placement?  • <i>Have fire rings been removed and rehabilitated?</i>  • <i>Is trampled vegetation in the area recovering?</i>	EP1	YES	Riparian area looks good. Lots of new growth-both grasses and trees
			EP2	YES	Looks good
Wetland and Riparian Habitat Management	WR2 - Riparian impacts associated with ongoing dispersed camping on PacifiCorp-owned land are eliminated. (also PA2, PA5, PA6, PA7, VM1, VM2, and WR1.)	Are riparian species, especially shrub and woody species, increasing along the shoreline?	EP3	YES	Riparian looks good, lots of new growth.
			EP4	YES	Riparian looks good, lots of new growth
			RP3	YES	Lots of growth, both grass and woody—lots of public use as well—lots of boater launching from RP3—New fire pits removed --Named “RP” but really in Eastside parcel
			RP4	YES	Lots of growth, willows and grasses Named “RP” but really in Eastside parcel

Redpoint Parcel Performance Tracking					
Date: 8-31-2022 Technician: Westerberg		Initial Performance Tracking: September 2009		<div>X</div>	Check if DFCs have been reviewed.
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
Public Access	PA2 - Disturbed lands are improved to restore healthy vegetated communities. (also PA5, PA6, PA7, PA8, PA9, PA10, VM1, VM3, WR1, WR2, and WR3.)	Is there noticeable improvement in riparian habitat since fire ring rehabilitation and sign and gate placement? <ul style="list-style-type: none"> <li><i>Have fire rings been removed and rehabilitated?</i></li> <li><i>Is trampled vegetation in the area recovering?</i></li> </ul>	RP1	YES	Looks Good
			RP2	YES	Looks Good
Wetland and Riparian Habitat Management	WR1 - Wetland and riparian resources and river shoreline are buffered and protected. (also PA2, PA5, PA6, PA7, VM1, VM2, and WR2.)	Are riparian species, especially shrub and woody species, increasing along the shoreline?	RP3	See previous page	Moved to East Side Parcel 2010 because locations are in that parcel.
			RP4	See previous page	Moved to East Side Parcel 2010 because locations are in that parcel.

## Oneida Performance Tracking Photos 2022



OP 1



OP 2



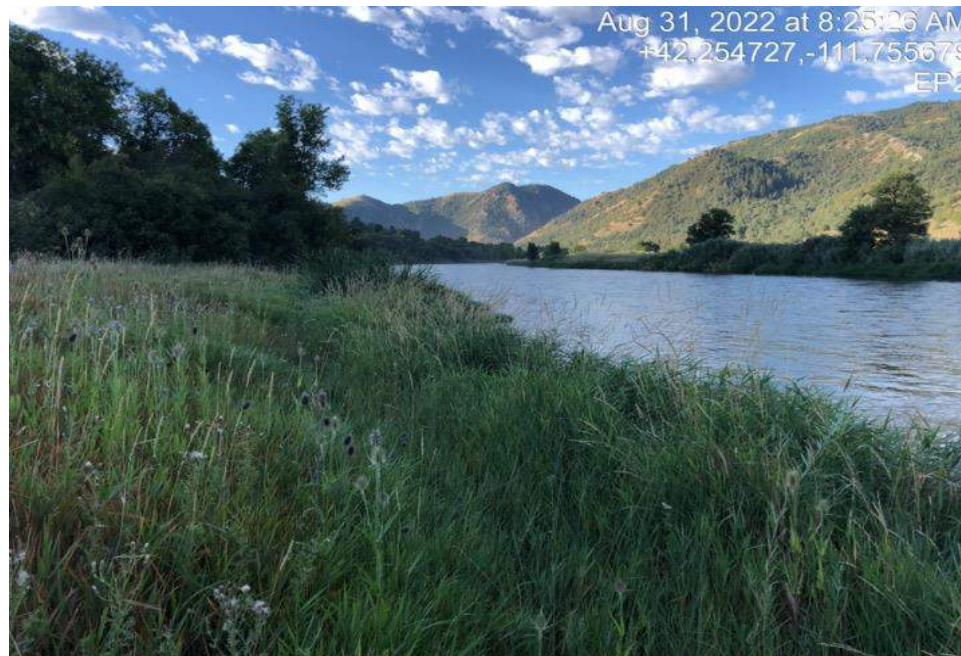
**OP3**



**OP4**



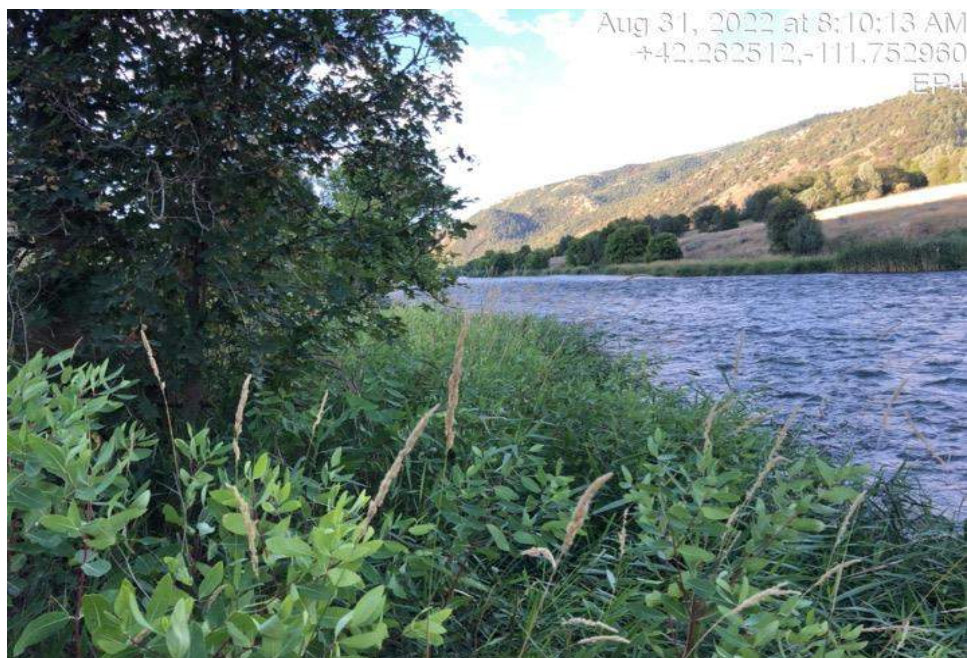
**EP1**



**EP2**



**EP3**



**EP4**



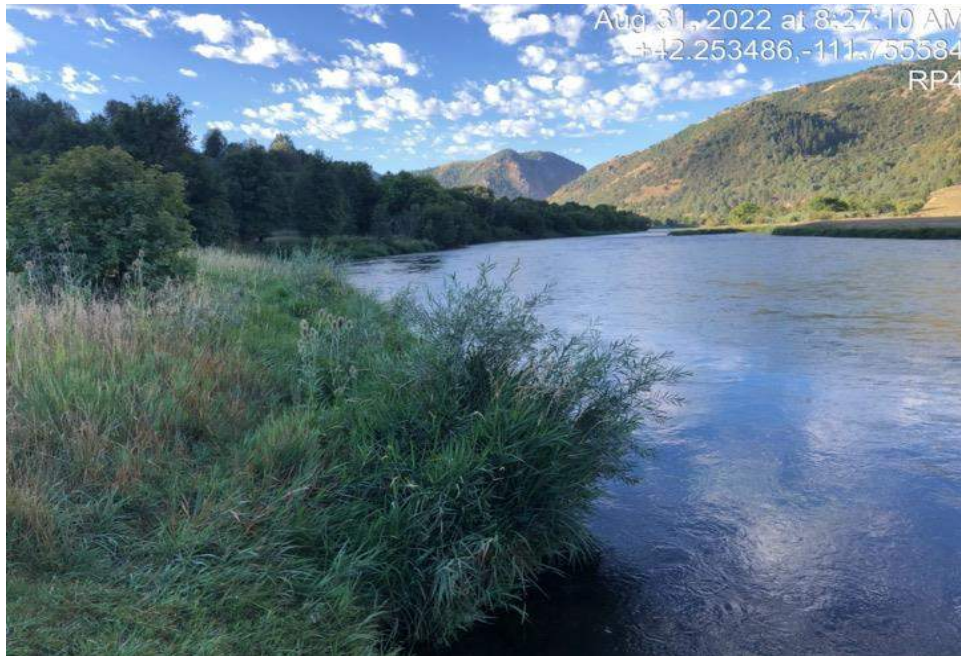
**RP1**



**RP2**



**RP 3**



**RP4**

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# Appendix E

*Soda Site Plan Compliance Monitoring and Performance Tracking*



# Soda Compliance Monitoring

North Agricultural Parcel Compliance Monitoring				
Date: 10-13-22		Technician: Bryan Westerberg		Baseline 2009
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Use appropriate methods to demarcate PacifiCorp owned lands and public access policies.</li> </ul>	Spring 2009	YES	Initially completed
		Annual	Baseline	Good
	<ul style="list-style-type: none"> <li>Request placement of hazard signs on the Second Bridge abutment by Caribou County.</li> </ul>	Spring 2009	<b>NO</b>	Incomplete
		Annual	YES	No sign – consider barricade
Vegetation Management	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures in localized, internal areas.</li> </ul>	Spring 2009	YES	Initially completed
		Annual - also see the Performance Tracking	YES	Weeds generally controlled
	<ul style="list-style-type: none"> <li>Cooperate with IDFG in developing sharp-tailed grouse and other wildlife habitat on peninsula.</li> </ul>	Fall 2009	YES	Initially completed 2009-2010
		Annual	YES	Some areas of shrub growth, native grasses
Wetland and Riparian Habitat Management	<ul style="list-style-type: none"> <li>Expand riparian buffers as appropriate and delineate shoreline buffer.</li> </ul>	Fall 2008	YES	Initially completed fall 2008
		Annual	YES	Buffers look good overall
	<ul style="list-style-type: none"> <li>Complete the boundary fence along the Northern boundary near PacifiCorp housing area.</li> </ul>	Fall 2008	YES	Boundary posts installed
		Annual	YES	Areas that need fencing are fenced
Agricultural Uses	<ul style="list-style-type: none"> <li>Revise lease to ensure consistency with LMP.</li> </ul>	Spring 2009	YES	Initially completed
		As Needed	Ongoing	
	<ul style="list-style-type: none"> <li>Eliminate grazing from lease.</li> </ul>	Spring 2009	YES	Completed – no further action
		N/A	N/A	

North Agricultural Parcel Compliance Monitoring				
Date: 10-13-22		Technician: Bryan Westerberg		Baseline 2009
Issue	Corrective Action	Timeframe	Completed?	Comments
	<ul style="list-style-type: none"> <li>Monitor buffers for weed populations expanding from agricultural lease area.</li> </ul>	Spring 2009	YES	Initially completed
		Annual	YES	Weeds generally controlled

<b>Morristown Parcel Compliance Monitoring</b> <b>Date: 10-13-22 Technician: Bryan Westerberg</b>				
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Use appropriate methods to demarcate PacifiCorp owned lands and public access policies.</li> </ul>	Spring 2009	YES	Initially completed
		Annual	YES	Good
	<ul style="list-style-type: none"> <li>Maintain fence and boundary post condition on all boundaries, particularly north of the highway.</li> </ul>	Spring 2009	YES	Initially completed
		Annual	YES	Fences good
	<ul style="list-style-type: none"> <li>Install gate with walk-in access at the Morristown site to prevent motorized access to the reservoir beyond.</li> </ul>	Summer 2009	YES	complete
		Annual	YES	Less motorized access/still somewhat of issue
	<ul style="list-style-type: none"> <li>Improve the signage at the Morristown Historical Site to address safety and liability concerns.</li> </ul>	Summer 2009	NO	No signs present
		Annual	YES	
	<ul style="list-style-type: none"> <li>Request the Caribou County cooperate to improve maintenance of the toilet facility at the Oregon Trail Park and Marina.</li> </ul>	Spring 2009	YES	Initially completed
		Annual	YES	Looks good
	<ul style="list-style-type: none"> <li>Eliminate agricultural lease on 10-acre property east of marina.</li> </ul>	Spring 2009	YES	Initially completed
		Annual	YES	Weeds generally controlled
	<ul style="list-style-type: none"> <li>If a property with higher wildlife values becomes available for exchange, seek to trade or sell isolated and land-locked property north of the golf course, perhaps to the BLM or adjacent landowners.</li> </ul>	Summer 2009	Ongoing	Incomplete
		Annual	N/A	IDFG asked this parcel remain or be protected – no action 2022
Vegetation Management	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures in localized, internal areas, particularly around the Morristown Historical Site.</li> </ul>	Spring 2009	YES	Initially completed
		Annual – also see Performance Tracking	YES	Weeds generally controlled
		Summer 2009	YES	Initially completed

Morristown Parcel Compliance Monitoring Date: 10-13-22 Technician: Bryan Westerberg				
Issue	Corrective Action	Timeframe	Completed?	Comments
	<ul style="list-style-type: none"> <li>Consult with IDFG on possible vegetation enhancement on Conservation Lands to improve wildlife habitat.</li> </ul>	As Needed	Ongoing	Not highest initial priority. Potential for future project.
Wetland and Riparian Habitat Management	<ul style="list-style-type: none"> <li>Eliminate shoreline grazing through fencing and lease revision.</li> </ul>	Fall 2008	YES	Initially completed
		Annual	YES	Area was grazed short term in 2022 to decrease fire danger.
Agricultural Uses	<ul style="list-style-type: none"> <li>Eliminate lease to ensure consistency with LMP.</li> </ul>	Spring 2009	YES	Initially completed
		N/A	N/A	

Bear River Parcel Compliance Monitoring Date: 10-13-22 Technician: Bryan Westerberg				
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Use appropriate methods to demarcate PacifiCorp-owned lands and public access policies.</li> </ul>	Spring 2009	YES	Initially completed
		Annual	YES	
	<ul style="list-style-type: none"> <li>Close the vehicle access to the dispersed campsites on the river's northern and southern shores using rocks or fences.</li> </ul>	Summer 2009	YES	Gate installed in fall 2012
		Annual	YES	Area Closed to motorized travel-Gate installation has cut down on traffic
	<ul style="list-style-type: none"> <li>Fence out adjacent owners who are using PacifiCorp land for an extension of their backyards.</li> </ul>	Spring 2009	YES	Initially completed
		Annual	YES	Still no use
	<ul style="list-style-type: none"> <li>Remove the existing fire rings at the undesignated campsites and monitor to ensure natural vegetation returns.</li> </ul>	Summer 2009	YES	Initially completed
		Annual	YES	Improving
Vegetation Management	<ul style="list-style-type: none"> <li>Consult with IDFG on possible vegetation enhancement on conservation lands to improve wildlife habitat.</li> </ul>	Fall 2009	YES	Initially completed
		As needed	Ongoing	Not highest initial priority. Potential for future project.
	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures along the road and enforce lessee weed control lease provisions in cultivated areas.</li> </ul>	Spring 2009	YES	Weeds generally controlled
		Annual	YES	
Wetland and Riparian Habitat Management	<ul style="list-style-type: none"> <li>Complete shoreline buffer posting along south side of the river.</li> </ul>	Fall 2009	YES	Complete
		Annual	YES	Good
	<ul style="list-style-type: none"> <li>Place vehicle barriers where necessary.</li> </ul>	Fall 2009	YES	Improving
		Annual	YES	Improving
Agricultural Uses	<ul style="list-style-type: none"> <li>Revise leases to ensure consistency with LMP.</li> </ul>	Spring 2009		Initially completed
		As needed	Ongoing	

Bear River Parcel Compliance Monitoring Date: 10-13-22 Technician: Bryan Westerberg				
Issue	Corrective Action	Timeframe	Completed?	Comments
	<ul style="list-style-type: none"> <li>Request that the lessee remove unauthorized fuel storage tanks from PacifiCorp property.</li> </ul>	Spring 2009	YES	Completed
		Annual	YES	No change
	<ul style="list-style-type: none"> <li>Monitor buffers for weeds expanding from agricultural lease area.</li> </ul>	Summer 2009	YES	Weeds generally controlled
		Annual	YES	

South Agricultural Parcel Compliance Monitoring Date: 10-13-22 Technician: Bryan Westerberg				
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Use appropriate methods to demarcate PacifiCorp-owned lands and post public access policies.</li> </ul>	Spring 2009	YES	Initially complete
		Annual	YES	Public Access signs and rules installed
	<ul style="list-style-type: none"> <li>Create a new parking area on the east end of the dirt track to facilitate recreation use.</li> </ul>	Fall 2009	YES	Initially complete
		Annual	YES	Bare ground treatment in 2022
	<ul style="list-style-type: none"> <li>Grant a perpetual easement for the landowner whose driveway crosses the parcel or pursue land disposition with deed restrictions for the three parcels near Larson Road.</li> </ul>	Summer 2009	Yes	
		Ongoing	YES	
	<ul style="list-style-type: none"> <li>Monitor the residential development to ensure no trespass or new encumbrances.</li> </ul>	Summer 2009	YES	Ongoing
		Annual	YES	Good
		Fall 2009	YES	Initially complete in 2009: Trade completed O. Gunnell. D. Gunnell completed lease exchange

South Agricultural Parcel Compliance Monitoring				
Date: 10-13-22		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
	<ul style="list-style-type: none"> <li>Pursue land exchanges with private landowners to consolidate PacifiCorp ownership patterns and land management practices.</li> </ul>	As needed	YES	No change
<b>Vegetation Management</b>	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures along the road in areas not under lease, and enforce lessee weed control lease provisions in cultivated areas.</li> </ul>	Summer 2009	YES	Initially completed
		Annual	YES	Weeds generally controlled
	<ul style="list-style-type: none"> <li>Consult with IDFG for possible vegetation enhancements on Conservation Lands.</li> </ul>	Fall 2009	YES	Initially completed
		Annual	Ongoing	Not highest initial priority. Potential for future project
<b>Wetland and Riparian Habitat Management</b>	<ul style="list-style-type: none"> <li>Expand shoreline buffer as required to meet LMP and License objectives in cultivated areas.</li> </ul>	Fall 2009	YES	Initially completed
		Annual	YES	Fence installed to prevent unauthorized camping and motorized travel in the buffer in 2020-good condition 2022
<b>Agricultural Uses</b>	<ul style="list-style-type: none"> <li>Revise leases to ensure consistency with LMP.</li> </ul>	Spring 2009	YES	Initially completed
		As needed	YES	N/A

<b>Alexander Parcel Compliance Monitoring</b> <b>Date: 10-13-22 Technician: Bryan Westerberg</b>				
Issue	Corrective Action	Timeframe	Completed?	Comments
<b>Public Access</b>	<ul style="list-style-type: none"> <li>Use appropriate methods to demarcate PacifiCorp-owned lands and post public access policies.</li> </ul>	Fall 2009	YES	Initially completed
		Annual	YES	Good
	<ul style="list-style-type: none"> <li>Close the unauthorized campsites near the reservoir's shore to vehicle access by ensuring that the gate is locked; add a pedestrian walk-through gate to facilitate recreation access. Consider future alternative use of camp areas (see below).</li> </ul>	Spring 2009	YES	Initially completed
		Annual	YES	No vehicle access
	<ul style="list-style-type: none"> <li>Remove existing fire rings and litter at the unauthorized campsite.</li> </ul>	Summer 2009	YES	Initially completed
		Annual	YES	Fire rings
	<ul style="list-style-type: none"> <li>Pursue exchange of western and eastern parcels with BLM.</li> </ul>	Fall 2009	<b>NO</b>	Incomplete
		Ongoing		Working with BLM
	<ul style="list-style-type: none"> <li>Consider offering a future lease for the camping site to the BLM or State of Idaho for a managed campground.</li> </ul>	Future Activity	NO	Incomplete – future activity
		As needed	N/A	N/A
<b>Vegetation Management</b>	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures in localized areas in the parcel.</li> </ul>	Spring 2009	YES	Initially completed
		Annual	YES	Weeds generally controlled
	<ul style="list-style-type: none"> <li>Eliminate vehicle access to parcel and remove fire rings to reduce fire danger.</li> </ul>	Spring 2009	YES	Initially complete
		Annual	YES	Looks good
<b>Wetland and Riparian Habitat Management</b>	<ul style="list-style-type: none"> <li>Reduce shoreline impact by closing campsite to vehicle access.</li> </ul>	Spring 2009	YES	Initially completed
		Annual	YES	Shoreline impacts continue
	<ul style="list-style-type: none"> <li>Monitor recreation impacts to shoreline per the RTSP.</li> </ul>	Summer 2014, 2019, 2024, 2029	NO	N/A 2013
		Every 5 years	N/A	

<b>Alexander Parcel Compliance Monitoring</b> <b>Date: 10-13-22      Technician: Bryan Westerberg</b>				
Issue	Corrective Action	Timeframe	Completed?	Comments
Agricultural Uses	(No agricultural uses are authorized on the parcel.)	N/A		
		N/A		

# Soda Performance Tracking

North Agricultural Parcel Performance Tracking					
Date: 10-13-22 Technician: Bryan Westerberg		Initial Performance Tracking: Fall 2009		<input checked="" type="checkbox"/> X	Check if DFCs
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
Vegetation Management	VM3-habitats such as sagebrush steppe are enhanced and protected. (Also VM1, VM2)	Are upland brush communities healthy, diverse in plant composition, and minimally affected by invasive species? <ul style="list-style-type: none"> <li>Are desired plants established?</li> <li>Are weedy and invasive species decreasing?</li> </ul>	NA 1 (south of road just inside western edge of parcel)	YES	Looks good
			NA2 (on peninsula)	YES	Weeds generally controlled
Wetland and Riparian Habitat Management	WR1 – Wetland and riparian resources, and reservoir shorelines are buffered, posted, and protected. (Also WR2, WR3, WR4)	Are areas along the reservoir's edge and waterways formerly impacted by cultivation or livestock minimally affected by invasive plants, and is bare ground being replaced by desired grasses and forbs? <ul style="list-style-type: none"> <li>Are desired plants being reestablished?</li> <li>Are weedy species reasonably sparse and being managed appropriately?</li> <li>Is there an adequate buffer of healthy riparian vegetation along the water's edge?</li> <li>Are fences established where necessary and are they preventing livestock trespass but not obstructing use by wildlife?</li> </ul>	NA3  (east of Second Bridge Road between Alexander Road and Second Bridge Day Use Area)	YES	Buffer looks good

North Agricultural Parcel Performance Tracking					
Date: 10-13-22 Technician: Bryan Westerberg		Initial Performance Tracking: Fall 2009		<input checked="" type="checkbox"/>	Check if DFCs
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
<b>Agricultural Uses</b>	AU1 – Activities on leased land are consistent with the objectives of the Agreement, the LMP, and Other resource management plans and meet lease stipulations.  (Also AU4)	Are agricultural practices appropriate for leased parcels?  <ul style="list-style-type: none"> <li>Are agricultural operations limited to the area designated for agriculture?</li> <li>Is soil loss minimized during tillage and are weeds appropriately managed?</li> </ul>	NA 4  (Northeast of employee residence area along upland buffer)	YES	Buffer looks good, some weeds

Morristown Performance Tracking					
Date: 10-13-22 Technician: Bryan Westerberg		Initial Performance Tracking: Fall 2009		<input checked="" type="checkbox"/>	Check if DFCs
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
<b>Public Access</b>	PA2 – Lands disturbed by recreation or public uses are improved to reclaim healthy vegetation communities.  (Also PA3, PA4, PA6, PA7, PA9, VM1, VM2, VM3, WR1, WR2, WR3.)	Are areas formerly impacted by trespassing vehicles and inconsiderate users being accessed only by pedestrians, minimally affected by vandalism, and are weedy and invasive species decreasing?  <ul style="list-style-type: none"> <li>Does signage indicate proper use?</li> <li>Are fences in place to protect historic structures?</li> <li>Are vehicles prevented from accessing reservoir shoreline?</li> <li>Are visitor facilities being maintained appropriately?</li> </ul>	MO 1  (at Morristown Historical Site)	NO	No signage, vehicle access is minimal, Area was grazed in 2022 to reduce fire danger
			MO2  (at Oregon Trail Park and Marina)	YES	Looks good

Morristown Performance Tracking					
Date: 10-13-22 Technician: Bryan Westerberg		Initial Performance Tracking: Fall 2009		<input type="checkbox"/> X	Check if DFCs
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
<b>Wetland and Riparian Habitat Management</b>	WR1 – Wetland and riparian resources, spring complexes, and the river shoreline are buffered and protected. (Also WR3, VM1, VM2.)	Are areas along the reservoir's edge and waterways formerly impacted by livestock or vehicles minimally affected by invasive plants, and are desired grasses and forbs increasing?	MO3  (North of Highway 30 and west of the reservoir inlet)	YES	Looks good, some thistle
		<ul style="list-style-type: none"> <li>• Are desired plants being reestablished?</li> <li>• Are weedy species reasonably sparse and being managed appropriately?</li> <li>• Is there an adequate buffer of healthy riparian vegetation along the water's edge?</li> <li>• Are fences established where necessary and are they preventing livestock trespass but not obstructing use by wildlife?</li> <li>• Are recreation users (fishers) having minimal impact?</li> </ul>	MO4  (South of Highway, south edge of golf course)	YES	Looks good

Bear River Parcel Performance Tracking					
Date: 10-13-22      Technician: Bryan Westerberg		Initial Performance Tracking: Fall 2009		<div style="border: 1px solid black; padding: 2px; display: inline-block;">X</div> Check if DFCs	
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
Public Access	PA2 – Lands disturbed by recreation or public uses are improved to reclaim healthy vegetation communities.  (Also PA3, PA4, PA6, PA7, PA9, VM1, VM2, VM3, WR1, WR2, WR3.)	Are areas formerly impacted by trespassing vehicles and inconsiderate users being accessed only by pedestrians, minimally affected by vandalism, and are weedy and invasive species decreasing? <ul style="list-style-type: none"> <li>Does signage indicate proper use?</li> <li>Is the area minimally affected by flammable material storage?</li> <li>Are vehicles prevented from accessing river and reservoir shorelines?</li> <li>Are sites along the river formerly used by campers returning to a desired state?</li> </ul>	BR 1  <i>(north of Bear River along Big Springs Rd adjacent to cultivated field)</i>	YES	Looks good
			BR2  <i>(along dirt track to communication tower south of BR and east of Reservoir Rd)</i>	YES	Area looks good
Agricultural Uses	AU1- Activities on leased land are consistent with the objectives of the Agreement, the LMP, and other resource management plans and meet lease stipulations.  (Also VM1, VM2, VM3, WR1, and AU4.)	Are agricultural practices appropriate for leased parcels? <ul style="list-style-type: none"> <li>Are agricultural operations limited to the area designated for agriculture?</li> <li>Are areas formerly leased but now designated Conservation Land returning to desired grasses and shrubs, dominated by native species?</li> </ul>	BR3  <i>(between field and steep riparian area in southern-most lease and along east side of Bear River)</i>	YES	Looks good

South Agricultural Parcel Performance Tracking					
Date: 10-13-22      Technician: Bryan Westerberg		Initial Performance Tracking: Fall 2009		<input checked="" type="checkbox"/> X	Check if DFCs
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
<b>Public Access</b>	PA2 – Lands disturbed by recreation or public uses are improved to reclaim healthy vegetation communities.  (Also PA3, PA4, PA6, PA7, PA9, VM1, VM2, VM3, WR1, WR2, WR3.)	Are areas formerly impacted by trespassing vehicles and inconsiderate users being accessed only by pedestrians, minimally affected by vandalism, and are weedy and invasive species decreasing?  <ul style="list-style-type: none"> <li>• Does signage indicate proper use?</li> <li>• Are vehicles prevented from accessing reservoir shorelines?</li> </ul>	SA1  (northeast of the new parking area north of Reservoir Road on the east end of the former 0.8 mile loop)	YES	Looks Good
<b>Wetland and Riparian Habitat Management</b>	WR – 1 Wetland and riparian resources, and reservoir shorelines are buffered, posted, and protected. (Also WR2, WR3, WR4.)	Are areas along reservoir edges and waterways formerly impacted by cultivation or recreation users minimally affected by invasive plants and are desired grasses, forbs, and shrubs becoming reestablished?  <ul style="list-style-type: none"> <li>• Are desired plants being reestablished?</li> <li>• Are weedy species reasonably sparse and being managed appropriately?</li> <li>• Is there an adequate buffer of healthy riparian vegetation along the water's edge?</li> <li>• Are fences established where necessary and are they preventing vehicle trespass but not obstructing use by wildlife?</li> </ul>	SA2  (northwest of Second Bridge Road approximately 0.75 miles from the west end)	YES	Looks good, buffer grass very tall—fencing installed to stop unauthorized camping and motorized travel

South Agricultural Parcel Performance Tracking					
Date: 10-13-22      Technician: Bryan Westerberg		Initial Performance Tracking: Fall 2009		<input checked="" type="checkbox"/>	Check if DFCs
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
<b>Agricultural Uses</b>	AU1 – Activities on leased land are consistent with the objectives of the Agreement, the LMP, and Other resource management plans and meet lease stipulations.  (Also AU4)	Are agricultural practices appropriate for leased parcels?  <ul style="list-style-type: none"> <li>• <i>Are agricultural operations limited to the area designated for agriculture?</i></li> <li>• <i>Is soil loss minimized during tillage and are weeds appropriately managed?</i></li> </ul>	SA 3  <i>(south side of second bridge road approximately 1 mile west of bridge over Bear River)</i>	YES	Looks good

Alexander Parcel Performance Tracking					
Date: 10-13-22 Technician: Bryan Westerberg		Initial Performance Tracking: Fall 2009		<input checked="" type="checkbox"/> X	Check if DFCs
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
Public Access	PA2 – Lands disturbed by recreation or public uses are improved to reclaim healthy vegetation communities.  (Also PA3, PA4, PA6, PA7, PA9, VM1, VM2, VM3, WR1, WR2, WR3.)	Are areas formerly impacted by trespassing vehicles and unauthorized camping being accessed only by pedestrians, minimally affected by vandalism, and are weedy and invasive species decreasing?  <ul style="list-style-type: none"> <li>Does signage indicate proper use?</li> <li>Are vehicles prevented from accessing the interior of the parcel?</li> <li>Is the former campground minimally affected by litter and debris?</li> </ul>	AL1  (along the dirt track near the center of the former camp ground)	YES	Looks good, lots of growth
Wetland and Riparian Habitat Management	WR – 1 Wetland and riparian resources, and reservoir shorelines are buffered, posted, and protected. (Also WR2, WR3, WR4.)	Are areas along reservoir edges and waterways formerly impacted by recreation users minimally affected by invasive plants and are desired grasses, forbs, and shrubs becoming reestablished?  <ul style="list-style-type: none"> <li>Are desired plants being reestablished?</li> <li>Are weedy species reasonably sparse and being managed appropriately?</li> <li>Is there an adequate buffer of healthy riparian vegetation along the water's edge?</li> <li>Are fences established where necessary and are they preventing vehicle trespass but not obstructing use by wildlife?</li> <li>Are recreation users (fishers) having minimal impact?</li> </ul>	AL2  (near the base of the peninsula providing access to the south end of the former Second Bridge)	YES	Looks good

## Soda Performance Tracking Photos 2022

### North Agricultural Parcel



**NA 1**

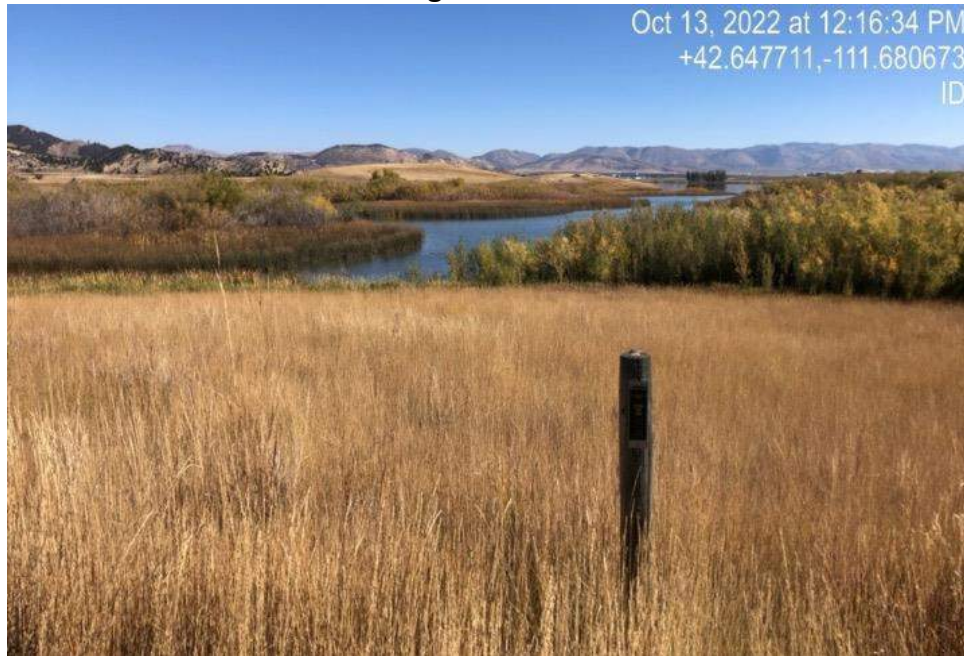
**N42 38.819' W111 41.954'**



**NA 2**

**N42 39.093' W111 40.346'**

**North Agricultural Parcel**



**NA 3**

**N42 38.856' W111 40.835'**



**NA 4**

**N42 38.745' W111 41.557'**

**Morristown Parcel**



Oct 13, 2022 at 12:05:00 PM  
+42.653660,-111.619182  
ID

**MO 1**

**N42 39.215' W111 37.148'**



Sep 8, 2022 at 10:35:37 AM  
+42.657355,-111.652481  
ID  
MO2

**MO 2**

**N42 39.443' W111 39.141'**

**Morristown Parcel**



**MO 3**

**N42 39.403' W111 40.047'**



**MO 4**

**N42 39.340' W111 38.646'**

**Bear River Parcel**



**BR 1**

**N42 38.702' W111 36.460'**



**BR 2**

**N42 38.884' W111 37.004'**

**Bear River Parcel**



Sep 29, 2022 13:55:40  
42.6434352N 111.60677435W  
Caribou County  
Soda Springs Monitoring

**BR 3**

**N42 38.602' W111 36.401'**

**South Agricultural Parcel**



Sep 8, 2022 at 10:15:18 AM  
+42.647601,-111.628837  
ID  
SA1

**SA 1**

**N42 38.857' W111 37.723'**

**South Agricultural Parcel**



**SA 2**  
**N42 38.377' W111 40.161'**



**SA 3**  
**N42 38.853' W111 37.717'**

**Alexander Parcel**



**AL 1**  
**N42 38.411' W111 40.800'**



**AL 2**  
**N42 38.476' W111 40.65**

# Appendix F

*Grace Dam and Last Chance Site Plan Compliance Monitoring and Performance Tracking*



## Grace Dam and Last Chance Site Plan Compliance Monitoring

<b>Last Chance Parcel Compliance Monitoring</b> <b>Date: 10-05-2022</b> <b>Technician: Bryan Westerberg</b> <b>Baseline 2010</b>				
Issue	Corrective Action	Timeframe	Completed?	Comments
<b>Public Access</b>	<ul style="list-style-type: none"> <li>Use appropriate methods to determine and demarcate PacifiCorp-owned lands and allowed public access.</li> </ul>	Summer 2009	YES	Boundaries marked
		Annual	YES	Looks good
	<ul style="list-style-type: none"> <li>Ensure gate, fence, and fence post condition on all boundaries where natural features don't provide adequate boundary delineation and protection from livestock and vehicle trespass.</li> </ul>	Summer 2009	YES	Initially completed in 2011
		Annual	YES	Fence good
	<ul style="list-style-type: none"> <li>Establish and maintain gates on unimproved roads unsuitable for public motorized access.</li> </ul>	Fall 2009	YES	NOTE: proposed gates on northwest property were replaced with cattle guards 2010.
<b>Vegetation Management</b>	<ul style="list-style-type: none"> <li>Revise the weed control contract to include backpack spraying and other appropriate techniques.</li> </ul>	Spring 2009	YES	Initially completed
		Annual	YES	Weeds generally controlled
	<ul style="list-style-type: none"> <li>Reseed the upland area where livestock have damaged ground above the ramp leading to the old ford to native grasses and forbs.</li> </ul>	Fall 2009	YES	Initially completed
		Annual	YES	Conditions improving, new native growth, decreasing weeds-Looks good
<b>Wetland and Riparian Habitat Management</b>	<ul style="list-style-type: none"> <li>Secure the ramp leading down to the old ford at the north end of the parcel to prevent trespassing livestock from accessing the river's edge.</li> </ul>	Summer 2009	YES	Property boundary is fenced and cattle guards on road are in place.
	<ul style="list-style-type: none"> <li>Reseed and replant the riparian area where livestock have damaged riparian areas at the old ford.</li> </ul>	Fall 2009	YES	Initially completed
		Annual	YES	Looks good, lots new shrub growth, weeds being controlled
<b>Agricultural Uses</b>	<ul style="list-style-type: none"> <li>Renegotiate leases to limit lessees to one annual cut of alfalfa, leaving the balance for wildlife.</li> </ul>	Spring 2009	YES	Initially completed
		Annual	YES	One cut in 2022

Grace Dam Parcel Compliance Monitoring				
Date: 9-26-2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Use appropriate methods to determine and demarcate PacifiCorp-owned lands and allowed public uses.</li> </ul>	Summer 2009	YES	Initially complete
		Annual	YES	
	<ul style="list-style-type: none"> <li>Ensure fence and fence post condition on boundaries as necessary to control trespass OHV and livestock grazing.</li> </ul>	Summer 2009	YES	Initially complete
		Annual	YES	Fence is good
	<ul style="list-style-type: none"> <li>Post "No Trespassing" and ownership signs on the west side under the Highway 34 bridge to discourage public access to the Project Operations land west of the bridge and to protect the riparian habitat.</li> </ul>	Summer 2009	YES	Complete
		Annual	YES	No signs but rock barriers placed to stop access.
	<ul style="list-style-type: none"> <li>Complete the signage and facilities at the Black Canyon put-in with: (1) recreational rules signs; (2) "Part 8" signs; (3) a "Stop" sign; (4) "No Fires" signs; (5) "Speed Limit 10 mph" signs; (6) "Pack It In, Pack It Out" signs; (7) a portable toilet placed and maintained spring and summer at the put-in.</li> </ul>	Spring 2009	YES	Complete
		Annual	YES	Signage complete
	<ul style="list-style-type: none"> <li>Maintain the parking areas according to RTSP standards (p. 29).</li> </ul>	Spring 2009	YES	Initially completed
		Ongoing	YES	Good condition-Bare ground treatment in 2022
	<ul style="list-style-type: none"> <li>Provide overflow parking area if boater use exceeds capacity of gravel parking area.</li> </ul>	Future activity	NO	Not needed at this time
		Annual	N/A	N/A
	<ul style="list-style-type: none"> <li>Maintain boat access at the Grace Dam put-in and consider placing rocks in river to create eddy for safer boat launch.</li> </ul>	Spring 2009	YES	Initially completed
		Ongoing	YES	Boat access available. Eddy not necessary
	<ul style="list-style-type: none"> <li>Inspect the recreation site periodically (every 5 years, per LMP and RTSP) for signs of environmental damage to adjacent sensitive habitats designated as Conservation shoreline buffers, and appropriate steps will be taken if damage is detected.</li> </ul>	Spring 2014, initially	YES	Good
	<ul style="list-style-type: none"> <li>Install boulders or other barriers to prevent vehicles from accessing the area under the bridge to reduce loitering and littering.</li> </ul>	Fall 2009	YES	Rock barriers installed

Grace Dam Parcel Compliance Monitoring				
Date: 9-26-2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Vegetation Management	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures along the riparian zone and project roads as well as in localized, internal areas.</li> </ul>	Spring 2010	YES	Weeds generally controlled.
	<ul style="list-style-type: none"> <li>Discontinue grazing on small (approximately 1-acre) parcel north of residence and east of Grace Dam to allow revegetation of riparian strip.</li> </ul>	Spring 2009	NO	Incomplete
		Annual	NO	Horse grazing, temporary electric fence in place. Grazing continues
Agricultural Uses	<ul style="list-style-type: none"> <li>No agricultural uses.</li> </ul>	Spring 2009	YES	No permitted use; see previous comment (above)

Flowline Parcel Compliance Monitoring				
Date: 9-26-2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
Public Access	<ul style="list-style-type: none"> <li>Use appropriate methods to determine and demarcate PacifiCorp-owned lands and allowed public access.</li> </ul>	Summer 2009	YES	Boundaries are marked
		Annual	YES	Consider options for public access signage.
	<ul style="list-style-type: none"> <li>Determine where public will be prohibited from access to Project Operations lands around flowline and surge tank because of unsafe conditions (e.g., ponds, escarpments, and piles of debris). Ensure appropriate signage and fence and fence post condition on all boundaries to prevent unauthorized public access, trespass grazing, and OHV access.</li> </ul>	Spring and Summer 2009	NO	Incomplete
		Annual	YES	No signage or fencing in place to regulate public access or use at surge tank, on 5-ac or 47-ac parcels or along much of flowline. Consideration of "pedestrian access only" and "no shooting" signs in 2013— <b>remains unchanged in 2021, fencing completed in 2015 and is in good condition.</b>
	<ul style="list-style-type: none"> <li>Negotiate easement with Last Chance Canal Company for catch basin at end of canal to require appropriate hazard warnings around the basin, near debris piles, and at the escarpment. Ensure that posted warnings are maintained by the canal company.</li> </ul>	Fall 2009	NO	Incomplete
		Annual	YES	Easement competed with Don Gilbert. Signage TBD
	<ul style="list-style-type: none"> <li>Notify party using the 47-acre triangular parcel</li> </ul>	Spring 2009	YES	Initially completed

Flowline Parcel Compliance Monitoring				
Date: 9-26-2022		Technician: Bryan Westerberg		
Issue	Corrective Action	Timeframe	Completed?	Comments
	without a lease for grazing horses to remove livestock.	Annual	YES	No grazing
<b>Vegetation Management</b>	<ul style="list-style-type: none"> <li>Monitor 47-acre triangular parcel previously used by horses; reseed if necessary, to improve wildlife habitat.</li> </ul>	Fall 2009	YES	Initially completed
		Annual	YES	No recent livestock use apparent - wildlife use. Seeding unnecessary at present.
	<ul style="list-style-type: none"> <li>Clean up 5 acres previously used by others as dumping ground; seek opportunities for disposal, including sale or exchange with Caribou County for road maintenance material storage.</li> </ul>	Fall 2009	YES	Clean up complete, structures still remain
		Annual	YES	Continue to work on this
	<ul style="list-style-type: none"> <li>Where necessary, revegetate the disturbed uplands around the surge tank that are not included in agriculture leases with native upland grasses and forbs.</li> </ul>	Fall 2009	YES	Initially completed
		Annual	YES	No evidence of reseeding around surge tank. Unnecessary at this time.
	<ul style="list-style-type: none"> <li>Undertake appropriate weed control measures along the flowline and in localized, internal areas.</li> </ul>	Spring 2010	YES	Initially completed
		Annual	YES	Weeds are an issue by surge tank
<b>Wetland and Riparian Habitat Management</b>	<ul style="list-style-type: none"> <li>As long as the wet areas under the flowline are not being grazed, no other action is required.</li> </ul>	Spring 2009	YES	No grazing apparent.
<b>Agricultural Uses</b>	<ul style="list-style-type: none"> <li>Dispose of properties east of the current flowline along the old flowline alignment that are in the middle of cultivated fields and owned by a single landowner to that landowner by sale or exchange.</li> </ul>	Summer 2009	<b>NO</b>	<b>Incomplete</b>
		Ongoing	<b>NO</b>	<b>Need to advance this issue</b>
	<ul style="list-style-type: none"> <li>Negotiate updated lease terms with farmers cultivating the narrow strips west of the flowline and near the surge tank.</li> </ul>	Spring 2009	<b>NO</b>	<b>Incomplete</b>
		Ongoing	<b>NO</b>	<b>Need to advance this issue</b>

## Grace Dam and Last Chance Performance Tracking

Last Chance Performance Tracking					
Date: 10-05-2022 Technician: Bryan Westerberg, Initial Performance Tracking: October 8, 2010				<input checked="" type="checkbox"/>	Check if DFCs have been reviewed.
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
Public Access	PA2 – Lands disturbed by recreation or other public uses are improved to reclaim healthy vegetation communities. (Also PA3, PA6, VM1, VM2, VM3, WR1, WR2.)	Are areas formerly damaged by trespassing livestock free of invasive plants, and is bare ground being replaced by native grasses and forbs? <ul style="list-style-type: none"> <li>Are native plants being reestablished on the uplands above, the ramp, and the riparian zone adjacent to, the old river ford on the west side of the river?</li> <li>Has the extent of bare ground been reduced enough to minimize soil erosion?</li> <li>Has the fence around the old ford been removed so as not to obstruct use of the riparian zone by wildlife?</li> </ul>	LC1 (at top of ramp leading to old ford)	YES	No grazing, weeds under control, seeded area has new growth of native grasses.
			LC2 (on west side of river at old ford)	YES	Weeds under control, lots of native shrub growth, willows, native grasses increasing, no grazing.
Vegetation Management	VM3 - habitats such as sagebrush-steppe are enhanced and protected. (Also VM1, VM2.)	Are sagebrush-steppe and mountain brush communities healthy, diverse in plant composition, and free of invasive species? <ul style="list-style-type: none"> <li>Are native plants established and free of invasive species?</li> </ul>	LC3 (on western edge of agricultural field at narrowest point in southwest piece)	YES	Sagebrush-steppe community healthy. Weeds still pervasive, especially along edge of fields. Abundance of native vegetation increases away from edge of fields. Musk thistle, Japanese brome, and cheat grass apparent.
			LC4 (on east side of river at old ford)	YES	Looks good, weeds generally controlled

Last Chance Performance Tracking					<input checked="checked" type="checkbox"/> Check if DFCs have been reviewed.	
Date: 10-05-2022 Technician: Bryan Westerberg, Initial Performance Tracking: October 8, 2010						
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments	
Agricultural Uses	AU1 - Activities on leased land are consistent with the objectives of the Agreement, the LMP, and other resource management plans and meet lease stipulations. (Also AU4.)	Are agricultural practices appropriate for leased parcels and helping to support wildlife? <ul style="list-style-type: none"> <li>• <i>Are agricultural operations limited to the area designated for agriculture?</i></li> <li>• <i>Are crops limited to alfalfa, and is only the first cut removed, leaving the balance for wildlife?</i></li> <li>• <i>Is soil loss minimized during tillage, and are weeds appropriately managed?</i></li> </ul>	<b>LC5</b> <i>(on east side of river within agricultural field)</i>	YES	Agricultural practices appear to be appropriately confined. Crops limited to alfalfa and only one cut per season- overall health of alfalfa field has declined.	
			<b>LC6</b> <i>(on west side of river within agricultural field)</i>	YES	Agricultural practices appear to be appropriately confined. Crops limited to alfalfa and only one cut per season-overall health of alfalfa field has declined, needs crop rotation. Lots of thistle in Ag fields	

Grace Dam Performance Tracking					<input checked="checked" type="checkbox"/> Check if DFCs have been reviewed.	
Date: 9-26-2022 Technician: Bryan Westerberg		Initial Performance Tracking: October 8, 2010				
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments	
Public Access	PA1 - Viable recreational uses are maintained and/or improved. (Also PA2, PA3, PA4, PA6, PA7, VM1, VM2, VM3, WR1, WR2, WR3, WR4)	Are established recreation areas receiving substantial use, and do these visitors have a minimal impact? <ul style="list-style-type: none"> <li>Is there evidence of boaters taking advantage of the developed recreation site for whitewater boating at appropriate flows?</li> <li>Are soil and vegetation impacts limited to the parking area, put-in ramp, and narrow strips around roadways?</li> </ul>	GD1 (on north side of parking area east of Highway 34 bridge and south of river)	YES	Looks good.	
	PA2 – Lands disturbed by recreation or other public uses are improved to reclaim healthy vegetation communities. (Also PA3, PA6, VM1, VM2, VM3, WR1, WR2.)	Are upland areas formerly damaged by trespassing livestock and OHV use free of invasive plants, and is bare ground being replaced by native grasses and forbs? <ul style="list-style-type: none"> <li>Are native plants being reestablished?</li> <li>Are weedy species reasonably sparse and being managed appropriately?</li> <li>Is the percentage of bare ground small enough to minimize soil erosion?</li> <li>Have fences been established, and are they preventing livestock trespass but not obstructing use by wildlife?</li> </ul>	GD2 (along east side of flowline, south of river, and west of Highway 34 bridge)	YES	Area is improving, less ATV use, weeds decreasing---lots of grass	

Grace Dam Performance Tracking					
Date: 9-26-2022 Technician: Bryan Westerberg		Initial Performance Tracking: October 8, 2010		<div style="border: 1px solid black; padding: 2px; text-align: center;">x</div>	Check if DFCs have been reviewed.
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments
<b>Vegetation Management</b>	VM3 - habitats such as sagebrush steppe are enhanced and protected. (Also VM1, VM2.)	<p>Are areas in uplands relatively free of weeds and composed of a healthy mix of native grasses, forbs, and shrubs?</p> <ul style="list-style-type: none"> <li>• <i>Are weedy species reasonably sparse and being managed appropriately?</i></li> <li>• <i>Are native plants being reestablished?</i></li> <li>• <i>Have fences been established, and are they preventing livestock trespass but not obstructing use by wildlife?</i></li> </ul>	<b>GD3</b> <i>(south of road to recreation parking area and east of Highway 34)</i>	YES	Looks good, weeds generally controlled
<b>Wetland and Riparian Habitat Management</b>	WR1 - Wetland and riparian resources, spring complexes, and the river shoreline are buffered and protected. (Also WR2, WR3, WR4.)	<p>Are areas along waterways formerly damaged by livestock free of invasive plants, and is bare ground being replaced by native grasses and forbs?</p> <ul style="list-style-type: none"> <li>• <i>Are native plants being reestablished?</i></li> <li>• <i>Are weedy species reasonably sparse and being managed appropriately?</i></li> <li>• <i>Is there an adequate buffer of healthy riparian vegetation along the water's edge?</i></li> <li>• <i>Have fences been established and are they preventing livestock trespass but not obstructing use by wildlife?</i></li> <li>• <i>Are recreation users (fishers) having minimal impact on the riparian zone north of the river and west of the Highway 34 bridge?</i></li> </ul>	<b>GD4</b> <i>(east of dam and north of residence near water's edge)</i>	NO	North of residence has heavy grazing to water's edge
			<b>GD5</b> <i>(on north side of river and midway between Highway 34 and old RR bridge)</i>	YES	Looks good

Flowline Performance Tracking					<div style="border: 1px solid black; display: inline-block; padding: 2px;">X</div> Check if DFCs have been reviewed.	
Date: 9-26-2022 Technician: Bryan Westerberg Initial Performance Tracking: October 8, 2010						
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments	
Public Access	PA1 - Viable recreational uses are maintained and/or improved. (Also PA2, PA3, PA4, PA5, PA6, PA7, VM1, VM2, VM3)	Does public use of the 5- acre and 47-acre Upland Conservation areas have a minimal impact? <ul style="list-style-type: none"> <li>Is there evidence of hunters and others utilizing the conservation areas appropriately?</li> <li>Is there evidence of wildlife taking advantage of the available habitat?</li> <li>Are soil and vegetation impacts minimal and vegetation cover for upland birds and other species adequate?</li> </ul>	FL1 (west edge of 5-acre triangular parcel at junction of One Mile Road and Varley Road)	YES	Little evidence of significant public use.	
			FL2 (within 47-acre triangular parcel along River Road and west of flowline)	YES	Little evidence of significant public use. Wildlife use includes scat from marmots and coyote, badger cadaver, grouse scat. Deer can be observed year-round on the 47 acre parcel	
Vegetation Management	VM3 - habitats such as sagebrush steppe are enhanced and protected. (Also VM1, VM2.)	Are areas in uplands relatively free of weeds and composed of a healthy mix of native grasses, forbs, and shrubs? <ul style="list-style-type: none"> <li>Are weedy species reasonably sparse and being managed appropriately?</li> <li>Are native plants being reestablished?</li> <li>Have fences been established, and are they preventing livestock trespass but not obstructing use by wildlife?</li> </ul>	FL3 (in uplands west of surge tank)	YES	Good	

Flowline Performance Tracking						
Date: 9-26-2022 Technician: Bryan Westerberg Initial Performance Tracking: October 8, 2010					<div style="border: 1px solid black; padding: 2px; display: inline-block;">X</div>	Check if DFCs have been reviewed.
Issue	Desired Future Condition	Performance Tracking	GPS/ Photo Pt.	YES/NO	Comments	
<b>Agricultural Uses</b>	AU1 - Activities on leased land are consistent with the objectives of the Agreement, the LMP, and other resource management plans. (Also AU4.)	Are agricultural practices appropriate for the leased parcels? <ul style="list-style-type: none"> <li>• <i>Are agricultural operations limited to the area designated for agriculture?</i></li> <li>• <i>Is soil loss minimized during tillage, and are weeds appropriately managed?</i></li> </ul>	<b>FL4</b> <i>(in fields west of flowline and west of River Road)</i>	YES	Looks Good	

## Grace Dam and Last Chance Performance Tracking Photos 2022



**LC 1**



**LC 2**



**LC 3**



**LC 4**



**LC 5**



**LC 6**



**GD 1**



**GD 2**



**GD 3**



**GD 4**



**GD 5**



**FL 1**



**FL 2**



**FL 3**



**FL 4**

# Appendix G

*Habitat Enhancement Project Monitoring*



## **ECC Habitat Enhancement Project Monitoring**

This appendix includes a compilation of 2022 monitoring efforts for habitat enhancement projects funded by the ECC. A standardized monitoring form and photo is included for each site.



**Alleman Dam Removal**

## ECC Project Monitoring Form

**Project:** Alleman Dam Removal

**Date:** 11-11-2021

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:** 2010

*Remove an irrigation diversion dam on Alleman property on Georgetown Creek, exclude cattle and reclaim*

**Initial Monitor Date:**

**Project Finish Date:** 2010

**Location and Baseline Data:** Georgetown Idaho, in the field just north of where West 4<sup>th</sup> street turns into Narrows Road—you can see the red steel hay storage shed that was built next to the project

**Fence line(s) Condition:**

**Structure(s) Condition:** Overall good

**Visual Water Inspection (quality and flow):** Good

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**

Fish visible throughout the project



**Bunderson Fish Bypass**

## ECC Project Monitoring Form

**Project:** Max Bunderson Irrigation      **Date:** 10-03-2022      **Observer(s):** Bryan Westerberg  
**Structure:** Fish Bypass

**Project Description and Photo Point:**      **Project Start Date:** 2010  
*Replace wooden irrigation diversion on Paris Creek with rock drop structures to allow fish passage/install fish screen.*

**Initial Monitor Date:**      **Project Finish Date:** 2010

**Location and Baseline Data:**

N 42° 13' 45.5"  
W 111° 22' 13.5"

**Fence line(s) Condition:** :

**Structure(s) Condition:** Good condition, working

**Visual Water Inspection (quality and flow):** Good

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:** N/A

**Wildlife Observations:**



**Roy Bunderson Irrigation Structure**

## ECC Project Monitoring Form

**Project:** Roy Bunderson      **Date:**10-03-2022      **Observer(s):** Bryan Westerberg  
**Irrigation Structure**

**Project Description and Photo Point:**      **Project Start Date:** 2010  
• Install fish ladder on irrigation structure on Paris Creek

**Initial Monitor Date:**      **Project Finish Date:** 2010

**Location and Baseline Data:**  
N 42 13' 30.1"  
W 111 22' 28.1"

**Fence line(s) Condition: :**

**Structure(s) Condition:** Good

**Success of Reclamation Efforts:**

**Visual Water Inspection: (quality and flow):** Flow good/quality good.

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:** Lots of fish in Cottonwood Creek



**Whiskey Creek Habitat Restoration**

## ECC Project Monitoring Form

**Project:** Whiskey Creek Habitat Restoration

**Date:** 10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:** 2010

*Improve habitat for BCT in Whiskey Creek by narrowing channel and planting riparian vegetation.*

**Initial Monitor Date:**

**Project Finish Date:** 2010

**Location and Baseline Data:**

East of Highway 34 where highway crosses Whiskey Creek

**Fence line(s) Condition:**

**Structure(s) Condition:**

**Success of Reclamation Efforts:** Looks great, area beginning to reestablish.

**Visual Water Inspection (quality and flow):** Good flow and quality

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**

Several ducks, pheasant



**Oneida Narrows Riparian Protection**

## ECC Project Monitoring Form

**Project:** Oneida Narrows  
Riparian Protection

**Date:** 10-20-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:** 2010

*Exclude cattle from the Oneida Narrows boater takeout on Bear River by installing fence and providing water source*

**Initial Monitor Date:**

**Project Finish Date:** 2010

**Location and Baseline Data:**

N 42.2125

W 111. 7807 Across from Oneida narrows boater take out

**Fence line(s) Condition:** Fence is in good condition, buck rail fence.

**Structure(s) Condition:** Alternative water source is in good working condition.

**Success of Reclamation Efforts:**

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Alexander North Planting Location**



**Alexander South Planting Location**

## ECC Project Monitoring Form

**Project:** Alexander Shrub Plantings

**Date:** 10-13-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:** 2009

*Native shrub planting in Alexander Reservoir shoreline buffer*

**Initial Monitor Date:**

**Project Finish Date:** 2010

**Location and Baseline Data:**

Two Locations N 42 39' 08.7" W 111 40' 19.7" N 42 38' 57.3" W 111 39' 30.7"

Around the peninsula and east side reservoir

**Fence line(s) Condition:**

**Structure(s) Condition:**

**Success of Reclamation Efforts:** There are some shrubs at both planting locations/survival rates are low but surviving shrubs look good and vigorous.

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:** Geese



**Midnight Mountain**

## ECC Project Monitoring Form

**Project:** Midnight Mtn. Fencing      **Date:** 9-16-2018      **Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**      **Project Start Date:** 2010  
*Build fencing around sensitive stream source.*

**Initial Monitor Date:**      **Project Finish Date:** 2010

**Location and Baseline Data:**  
N 42 16' 37"  
W111 32' 36"

**Fence line(s) Condition:** Site not visited for monitoring. USFS confirms fence is in place and functional.

**Structure(s) Condition:**

**Success of Reclamation Efforts:**

**Visual Water Inspection:** (quality and flow)

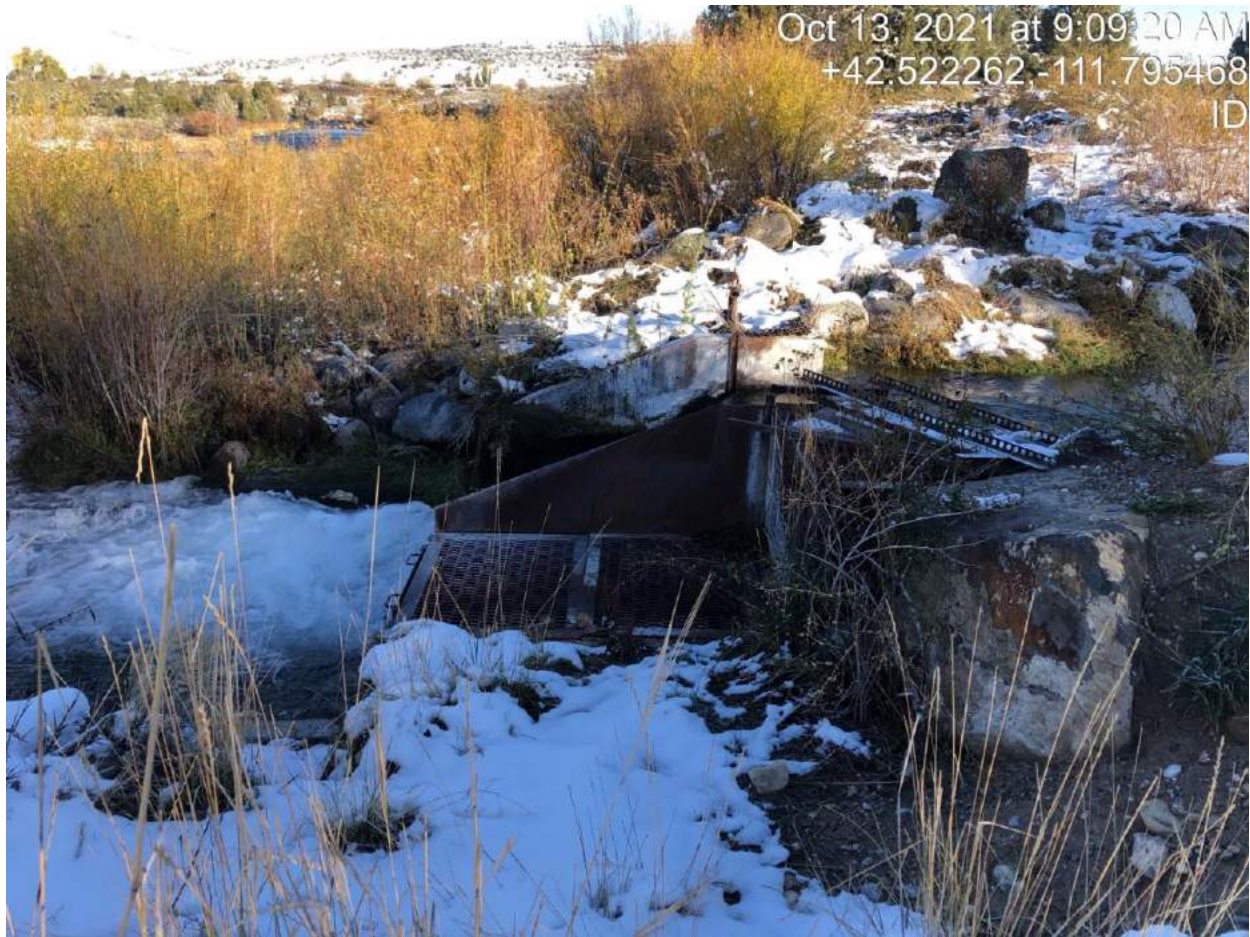
**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Kackley Springs Fish Trap**

## ECC Project Monitoring Form

**Project:** Kackley Springs Fish  
Trap

**Date:** 11-18-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:** 2010

*Design and build a structure to exclude nonnative fish from Kackley Springs*

**Initial Monitor Date:**

**Project Finish Date:** 2010

**Location and Baseline Data:**

N 42 .5225

W 111. 796 Located where Kackley springs merges with the Bear River below Grace operation area

**Fence line(s) Condition:**

**Structure(s) Condition:** Good condition

**Success of Reclamation Efforts:** Good, seeded areas have reestablished.

**Visual Water Inspection (quality and flow):** Flow good, quality good

**Road and /or Trail Condition:**

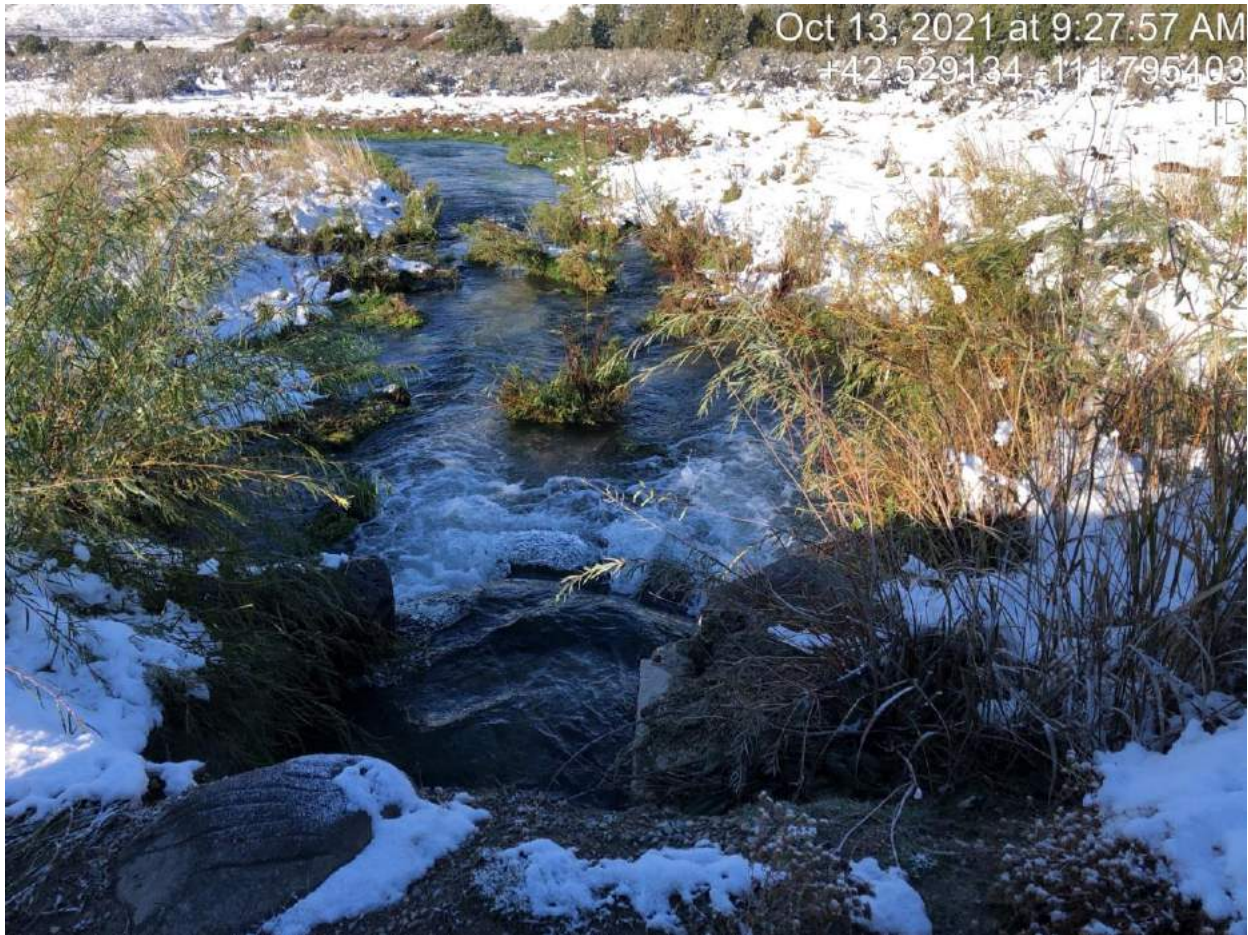
**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**

Fish visible around trap, signs of beaver



**Kackley Springs Reroute**

## ECC Project Monitoring Form

**Project:** Kackley Springs Reroute

**Date:** 11-18-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:** 2009

*Redirect current spring flow to a longer route through Kackley property. Remove dikes and other water control structures.*

**Initial Monitor Date:**

**Project Finish Date:** 2010

**Location and Baseline Data:** Just south of Grace operations and power plant.

**Fence line(s) Condition:**

**Structure(s) Condition:**

**Success of Reclamation Efforts:** Looks great, grasses reestablishing, native veg good, willow growth—new work around pound area—looks good.

**Visual Water Inspection: (quality and flow)**

Flow is good, quality good.

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Aquatic Nuisance Signage**

## ECC Project Monitoring Form

**Project:** Aquatic Nuisance signs

**Date:** 10-13-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:** 2009

*Install interpretive signage at high use boating and fishing areas warning of aquatic nuisance species.*

**Initial Monitor Date:**

**Project Finish Date:** 2009

**Location and Baseline Data:**

PacifiCorp boating ramps and rec sites along the Bear River

**Fence line(s) Condition:**

**Structure(s) Condition:** Signs good, some are somewhat weathered, but still readable.

**Success of Reclamation Efforts:**

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

**Signage:** Signs good, present

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Keetch Fish Screen**

## ECC Project Monitoring Form

Project: Keetch Fish Screen

Date: 10-28-2022

Observer(s): Bryan Westerberg

Project Description and Photo Point:

Project Start Date: 2005

*Convert 198 acres of cropland from flood irrigation to sprinkler. Pumping plant and water control system and screen*

Initial Monitor Date:

Project Finish Date: 2008

Location and Baseline Data:

W-111.2884

N42.2517

Fence line(s) Condition:

Structure(s) Condition: Pumping plant and screen good condition

Success of Reclamation Efforts:

Visual Water Inspection: (quality and flow)

Road and /or Trail Condition:

Signage:

Agricultural Uses:

Problems or trespass, and any necessary corrective actions:

Wildlife Observations:



**Bailey Creek Fencing**

## ECC Project Monitoring Form

Project: Bailey Creek Fencing

Date: 10-03-2022

Observer(s): Bryan Westerberg

Project Description and Photo Point:

Project Start Date: 2010

*Build 500 ft of riparian fence at the headwaters of Bailey Creek*

Initial Monitor Date:

Project Finish Date: 2010

Location and Baseline Data:

W-111.6003

N42.5595

Trailhead is located along old Oregon Road in the Bailey Creek subdivision-fencing is about 3 miles up ATV trail.

Fence line(s) Condition: fence needs repair

Structure(s) Condition:

Success of Reclamation Efforts:

Visual Water Inspection: (quality and flow)

Road and /or Trail Condition:

Signage:

Agricultural Uses:

Problems or trespass, and any necessary corrective actions:

Wildlife Observations:

Mule deer, grouse



**Battle and Mink Creek**

## ECC Project Monitoring Form

**Project:** Battle and Mink Creek

**Date:** 10-13-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:** 2010

Relocate six corrals from the Battle and Mink Creek watersheds.

**Initial Monitor Date:**

**Project Finish Date:** 2010

**Location and Baseline Data:**

N 42° 12'

18.3"

W111° 45' 35.6"

**Fence line(s) Condition:**

**Structure(s) Condition:** Good condition

**Success of Reclamation Efforts:**

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Bailey Creek Culvert**

## ECC Project Monitoring Form

**Project:** Bailey Creek Culvert

**Date:**10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:**2007

- Culvert replacement to remove aquatic barrier

**Initial Monitor Date:**

**Project Finish Date:**2008/ Lower culvert not complete

**Location and Baseline Data:**

- Bailey Creek Road

**Fence line(s) Condition:**

**Structure(s) Condition: (diversions, fish screens, buildings)**

- Structure in good condition, bridge good condition

**Success of Reclamation Efforts:**

**Visual Water Inspection: (quality and flow)**

- Flow is good

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Laurie Harris Spring**

## ECC Project Monitoring Form

**Project:** Laurie Harris Spring

**Date:** 10-20-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:** 2007

- Winter feedlot relocation-alternate water source-stream reclamation-grazing removal

**Initial Monitor Date:**

**Project Finish Date:** 2008

**Location and Baseline Data:**

- Laurie Harris, 667 Gentile Road, Grace, Idaho

**Fence line(s) Condition:**

- Good working condition

**Structure(s) Condition:** (diversions, fish screens, buildings) work performed on spring boxes

**Vegetation and Success of Reclamation Efforts:**

- Vegetation looks good/Willows planted fall 2009/Willows growing

**Visual Water Inspection:** (quality and flow)

- Water quality improving

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Trout Creek Restoration**

## ECC Project Monitoring Form

**Project:** Trout Creek Restoration

**Date:**10-20-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

- Reclamation of Trout Creek

**Project Start Date:** 2007

**Initial Monitor Date:**

**Project Finish Date:** 2008

**Location and Baseline Data:**

-111.7019

42.4596

Lago Rd

**Fence line(s) Condition:**

**Structure(s) Condition:** (diversions, fish screens, buildings)

**Vegetation and Success of Reclamation Efforts:**

- Vegetation in good condition

**Visual Water Inspection:** (quality and flow)

- Quality good

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**

- Lots of fish in Trout Creek



**Whiskey Creek**

## ECC Project Monitoring Form

**Project:** Whiskey Creek

**Date:** 10-20-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:** 2008

- Stream reclamation /reroute channel

**Initial Monitor Date:**

**Project Finish Date:** 2009

**Location and Baseline Data:**

**Fence line(s) Condition:**

**Structure(s) Condition: (diversions, fish screens, buildings)**

Good condition

**Success of Reclamation Efforts:**

Good condition

**Visual Water Inspection: (quality and flow)**

Good

**Road and /or Trail Condition:**

Good

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Lower Trout Creek**

## ECC Project Monitoring Form

**Project:** Lower Trout Creek Restoration      **Date:** 10-20-2022      **Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

- Reclamation of Trout Creek

**Project Start Date:** 2011

**Initial Monitor Date:**

**Project Finish Date:** 2012

**Location and Baseline Data:**

-111.7019

42.4596

Lago Rd

**Fence line(s) Condition:**

**Structure(s) Condition:** (diversions, fish screens, buildings)

**Vegetation and Success of Reclamation Efforts:**

- Vegetation in good condition

**Visual Water Inspection:** (quality and flow)

- Quality good

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Bunderson Barn**



**Bunderson Fence**

## ECC Project Monitoring Form

**Project:** Bunderson

**Date:** 11-18-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

- Move calving barn/fence stream bank

**Project Start Date:** 2007

**Initial Monitor Date:**

**Project Finish Date:** 2008

**Location and Baseline Data:**

- N42 .2304 W111 .3673

**Fence line(s) Condition:**

**Structure(s) Condition: (diversions, fish screens, buildings)**

- Barn and fence good condition

**Vegetation and Success of Reclamation Efforts:**

- Vegetation is good

**Visual Water Inspection: (quality and flow)**

- Quality good

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Nounan Road Crossing**

## ECC Project Monitoring Form

**Project:** Nounan Road Crossing of Skinner Creek      **Date:** 10-03-2022      **Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**      **Project Start Date:** 2006  
• Culvert replacement and stream reclamation

**Initial Monitor Date:**      **Project Finish Date:** 2008

**Location and Baseline Data:**  
• Skinner Road, Montpelier, Idaho

**Fence line(s) Condition:**

**Structure(s) Condition: (diversions, fish screens, buildings)**  
• Good condition

**Success of Reclamation Efforts:**

**Visual Water Inspection: (quality and flow)**  
• Quality good

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**McGregor Fencing**

## ECC Project Monitoring Form

**Project:** McGregor Fence

**Date:** 10-20-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

- Riparian Fence on Bear River

**Project Start Date:** 2005

**Initial Monitor Date:**

**Project Finish Date:** 2008

**Location and Baseline Data:**

- Craig McGregor Thatcher Idaho

**Fence line(s) Condition:**

- Good working condition

**Structure(s) Condition:** (diversions, fish screens, buildings)

**Success of Reclamation Efforts:**

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Alleman Lower Diversion Screening**

## ECC Project Monitoring Form

**Project:** Alleman Lower Diversion Screening   **Date:**10-03-2022   **Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

- Retrofit diversion for passage and screen

**Project Start Date:**2006

**Initial Monitor Date:**

**Project Finish Date:**2008

**Location and Baseline Data:**

- 280 Skinner Rd. Montpelier Idaho

**Fence line(s) Condition:**

**Structure(s) Condition: (diversions, fish screens, buildings)**

- Good Condition

**Success of Reclamation Efforts:**

**Visual Water Inspection: (quality and flow)**

- Quality good

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Skinner Creek**

## ECC Project Monitoring Form

**Project:** Skinner Creek

**Date:** 10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:** 2005

- Move feedlot off creek and stream restoration

**Initial Monitor Date:**

**Project Finish Date:** 2008

**Location and Baseline Data:**

- 280 Skinner Canyon Rd Montpelier Idaho

**Fence line(s) Condition:** Good, 2021 photo was lost, but site was visited in 2021

**Structure(s) Condition:** (diversions, fish screens, buildings)

**Vegetation and/Success of Reclamation Efforts:**

- Good condition

**Visual Water Inspection:** (quality and flow)

- Good quality

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Cove Bypass Fence**

## ECC Project Monitoring Form

**Project:** Cove Bypass Fence  
Westerberg

**Date:** 11-14-2022

**Observer(s):** Bryan

**Project Description and Photo Point:**

**Project Start Date:**

**Initial Monitor Date:**

**Project Finish Date:**

**Location and Baseline Data:**

**Fence line(s) Condition:**

Good, some repairs done

**Structure(s) Condition:** (diversions, fish screens, buildings)

**Success of Reclamation Efforts:**

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Mathews Restoration**

## ECC Project Monitoring Form

**Project:** Mathews Restoration      **Date:** 10-2018      **Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**      **Project Start Date:**2006

- Bank Stabilization along Bear River and fencing of Bear River

**Initial Monitor Date:**      **Project Finish Date:**2008

**Location and Baseline Data:**

- Thatcher, Idaho

**Fence line(s) Condition:** Site not visited during 2017 or 2018. Attempts to contact landowner in 2018 were unsuccessful.

**Structure(s) Condition:** (diversions, fish screens, buildings)

**Success of Reclamation Efforts:**

**Visual Water Inspection:** (quality and flow)

- 

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Ovid Corral Relocation**

## ECC Project Monitoring Form

**Project:** Ovid Corral Relocation

**Date:** 10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

- Relocate corral off waterway

**Project Start Date:**2011

**Initial Monitor Date:**

**Project Finish Date:**2013

**Location and Baseline Data:**

- Landark Rd Ovid, Idaho

**Fence line(s) Condition:**

**Structure(s) Condition: (diversions, fish screens, buildings)**

- Good condition

**Success of Reclamation Efforts:**

**Visual Water Inspection: (quality and flow)**

- Quality good

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Eight Mile Canyon #1**

## ECC Project Monitoring Form

**Project:** Eight Mile Canyon #1

**Date:**10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:**2007

- Realign Trail 332 out of riparian area

**Initial Monitor Date:**

**Project Finish Date:**2008

**Location and Baseline Data:**

- Caribou National Forest/ 8 Mile Canyon

**Fence line(s) Condition:**

**Structure(s) Condition:** (diversions, fish screens, buildings)

**Success of Reclamation Efforts:**

- Old trail not marked, "no travel sign" not present, travel still continuing

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

- New trail looks good-old trail still being traveled, needs signage

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Eight Mile Canyon #2**

## ECC Project Monitoring Form

**Project:** Eight Mile Canyon #2

**Date:**10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:**2007

- Close/Obliterate road out of riparian area

**Initial Monitor Date:**

**Project Finish Date:**2008

**Location and Baseline Data:**

- Caribou National Forest/ 8 Mile Canyon

**Fence line(s) Condition:**

**Structure(s) Condition: (diversions, fish screens, buildings)**

- Road still closed/no use

**Success of Reclamation Efforts:**

- Good/protected area recovering

**Visual Water Inspection: (quality and flow)**

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Eight Mile Canyon #3**

## ECC Project Monitoring Form

**Project:** Eight Mile Canyon #3

**Date:**10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:**2007

- Boulder placement to stop camping/ATV use in riparian area

**Initial Monitor Date:**

**Project Finish Date:**2008

**Location and Baseline Data:**

- Caribou National Forest/8 Mile Canyon/Several locations

**Fence line(s) Condition:**

**Structure(s) Condition: (diversions, fish screens, buildings)**

- Boulders still in place

**Success of Reclamation Efforts:**

- Good condition/protected area recovering

**Visual Water Inspection: (quality and flow)**

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Eight Mile Canyon #4**

## ECC Project Monitoring Form

**Project:** Eight Mile Canyon #4

**Date:**10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

- Close/Obliterate Road

**Project Start Date:**2007

**Initial Monitor Date:**

**Project Finish Date:**2008

**Location and Baseline Data:**

- Caribou National Forest/8 Mile Canyon

**Fence line(s) Condition:**

**Structure(s) Condition:** (diversions, fish screens, buildings)

**Vegetation and Success of Reclamation Efforts:**

- Old road is reclaiming well/good condition

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Eight Mile Canyon #5  
Bridge #1**



**Eight Mile Canyon #5  
Bridge #2**

## ECC Project Monitoring Form

**Project:** Eight Mile Canyon #5

**Date:**10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:**2007

- Two bridges on Trail 317

**Initial Monitor Date:**

**Project Finish Date:**2008

**Location and Baseline Data:**

- Caribou National Forest/8 Mile Canyon Road

**Fence line(s) Condition:**

**Structure(s) Condition: (diversions, fish screens, buildings)**

- Bridges in good working order

**Success of Reclamation Efforts:**

**Visual Water Inspection: (quality and flow)**

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Eight Mile Canyon #6**

## ECC Project Monitoring Form

**Project:** Eight Mile Canyon #6

**Date:**10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

- Close 0.6-mile user-defined route

**Project Start Date:**2007

**Initial Monitor Date:**

**Project Finish Date:**2008

**Location and Baseline Data:**

- Caribou National Forest/8 Mile Canyon Road

**Fence line(s) Condition:**

**Structure(s) Condition:** (diversions, fish screens, buildings)

**Success of Reclamation Efforts:**

Closed, looks good

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Eight Mile Canyon #7**

## ECC Project Monitoring Form

**Project:** Eight Mile Canyon #7

**Date:**10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

- Close 0.3-mile user-defined route

**Project Start Date:**2007

**Initial Monitor Date:**

**Project Finish Date:**2008

**Location and Baseline Data:**

- Caribou National Forest/8 Mile Canyon Road

**Fence line(s) Condition:**

**Structure(s) Condition:** (diversions, fish screens, buildings)

**Success of Reclamation Efforts:** Closed, good condition

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Eight Mile Canyon #8**

## ECC Project Monitoring Form

**Project:** Eight Mile Canyon #8

**Date:**10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:**2007

- Eight Mile Canyon/Caribou National Forest

**Initial Monitor Date:**

**Project Finish Date:**2008

**Location and Baseline Data:**

**Fence line(s) Condition:** : Good, 2021 photo was lost, but site was visited in 2021

**Structure(s) Condition:** (diversions, fish screens, buildings)

- Road still closed

**Success of Reclamation Efforts:**

- Good condition

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Eight Mile Canyon #9**

## ECC Project Monitoring Form

**Project:** Eight Mile Canyon #9

**Date:**10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

- Close/obliterate trail

**Project Start Date:**2007

**Initial Monitor Date:**

**Project Finish Date:**2008

**Location and Baseline Data:**

**Fence line(s) Condition:**

**Structure(s) Condition:** (diversions, fish screens, buildings)

**Success of Reclamation Efforts:**

- Good overall condition

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Eight Mile Canyon #10**

## ECC Project Monitoring Form

**Project:** Eight Mile Canyon #10

**Date:**10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:**2007

- Boulders placed at two campsites to define camp area, restrict ATV access to riparian

**Initial Monitor Date:**

**Project Finish Date:**2008

**Location and Baseline Data:**

**Fence line(s) Condition:**

**Structure(s) Condition: (diversions, fish screens, buildings)**

- Boulders still present, vegetation looks good, some camping taking place far end

**Success of Reclamation Efforts:**

Good

**Visual Water Inspection: (quality and flow)**

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**



**Coop Trail Crossing Bridge**

## ECC Project Monitoring Form

**Project:** Coop Crossing and Trail 308 Improvements **Date:** 9-6-2020 **Observer(s):** Bryan Westerberg

**Project Description and Photo Point:** **Project Start Date:** 2/27/204  
Install bridge at coop creek trail crossing, improve trail

**Initial Monitor Date:** **Project Finish Date:** 9/2015

**Location and Baseline Data:**

USFS motorized trail 308 is located eight miles west of Georgetown, Idaho. Trailhead access is via Skinner Canyon Road (FSR 403) and FSR 985. Trail 308 crosses the headwaters of Coop, Beaver, North Stauffer, and South Stauffer creeks. The proposed trail bridge location on Coop Creek is 0.3 miles from the trailhead at these coordinates:

Existing ford; CONUS NAD83 Zone 12T 457565E, 4700523N

New Bridge Location: CONUS NAD83 Zone 12T 457517E, 4700506N

**Fence line(s) Condition:** : Good, 2021 photo was lost, but site was visited in 2021

**Structure(s) Condition:** (diversions, fish screens, buildings)  
Good condition

**Success of Reclamation Efforts:**

- Good overall condition

**Visual Water Inspection:** (quality and flow)

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Smith Bear River Fencing and Alternate Water Source**

## ECC Project Monitoring Form

**Project:** Smith Fencing and Water source

**Date:**10-03-2022

**Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:**2013

- Fence Bear River/Create 35ft buffer-build alternate water source for livestock

**Initial Monitor Date:**

**Project Finish Date:**2015

**Location and Baseline Data:**

- Caribou National Forest/8 Mile Canyon Road

**Fence line(s) Condition:**

**Structure(s) Condition: (diversions, fish screens, buildings)**

- Good condition
- 

**Success of Reclamation Efforts:**

**Visual Water Inspection: (quality and flow)**

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**



**Oneida Narrows Boater Take Out**

## ECC Project Monitoring Form

**Project:** Oneida Narrows Boater Take Out      **Date:** 10-20-2022      **Observer(s):** Bryan Westerberg

**Project Description and Photo Point:**

**Project Start Date:** 2014

- Construct nonmotorized boater take out

**Initial Monitor Date:**

**Project Finish Date:** 2015

**Location and Baseline Data:**

- Oneida Narrows boater take out

**Fence line(s) Condition:**

**Structure(s) Condition: (diversions, fish screens, buildings)**

- Good condition

**Success of Reclamation Efforts:**

**Visual Water Inspection: (quality and flow)**

**Road and /or Trail Condition:**

**Signage:**

**Agricultural Uses:**

**Problems or trespass, and any necessary corrective actions:**

**Wildlife Observations:**

*Intentionally left blank*

# Appendix H

*2023 Implementation Schedule*



Table H-1. Bear River Hydroelectric Project - 2023 Implementation Schedule						
License Article	Action	Deliverable	Start Date	End Date	Next Deliverable Date	Comments
Art. 401	Annual Report of License Implementation	Report in consultation with ECC	1-Jan-05	22-Dec-33	1-March-23	Includes results of studies/monitoring, description of anticipated activities, report of funding accounts, and compliance with operational requirements. Draft report to ECC for 30-day review prior to the FERC submittal.
Art. 402	ECC participation/oversight	Up to 1 FTE and normal administration	1-Jan-05	22-Dec-33	Ongoing	Provide admin support, point of contact for ECC, some grant writing, attempt to identify willing landowners, apply for permits as necessary for actions; annual report and grant fund administration.
Art. 403	Bonneville Cutthroat Trout (BCT) Restoration Plan	Restoration Plan in Consultation with ECC.	1-Jan-07	1-Nov-08	23-Dec-08	This project was completed in 2008.
Art. 403	Genetic Sampling Study	Bonneville Cutthroat Trout genetic data collection and analysis	1-Sep-04	22-Dec-11	1-Sep-07	This project was completed in 2007.
Art. 403	Aerial Photography	Thermal images of Bear River	1-Jun-05	22-Dec-11	27-Jan-07	This project was completed in 2007.
Art. 403	Telemetry Study	Bonneville Cutthroat Trout Telemetry Report	1-May-05	22-Dec-11	11-Feb-09	This project was completed in 2009.
Art. 403	Broodstock Development	Develop a Bonneville cutthroat trout broodstock at the Grace Hatchery in Grace Idaho.	22-Dec-08	22-Dec-10	22-Dec-10	This project was completed in 2010.
Art. 404	Conservation Hatchery Program	Fund Bonneville cutthroat trout hatchery operations	22-Dec-10	22-Dec-33	22-Dec-23	\$100K/yr, for remaining term of license; funds may also be used for habitat restoration, land & water, or fish passage; may carry over to subsequent years.
Art. 405	Habitat Restoration Program	Funding for habitat and water quality enhancements	22-Dec-04	22-Dec-33	22-Dec-23	\$167K/yr; funds may also be used for land and water acquisition or fish passage; may carry over to subsequent years. Annual grant cycle begins with release of funding flyer in January. Projects are typically ranked at March subcommittee meeting and approved at April ECC meeting.
Art. 406	Land and Water Acquisition Program	Funding land (fee title and conservation easements) and water acquisition	22-Dec-04	22-Dec-33	22-Dec-23	\$300K/yr; funds may also be used for habitat restoration or fish passage; may carry over to subsequent years. Funds may only be used for habitat restoration on lands acquired under this fund or for fish passage if it is for one of the PacifiCorp facilities and fish passage is prescribed by USFWS. Ongoing grant cycle throughout year.

Table H-1. Bear River Hydroelectric Project - 2023 Implementation Schedule						
License Article	Action	Deliverable	Start Date	End Date	Next Deliverable Date	Comments
Art. 407	Monitoring in Black Canyon	Funding for surveys, studies, reports, six-year study term	1-Apr-05	1-Apr-11	2-May-11	This project was completed in 2011.
Art. 408 (Grace MSF modified by Cove Decommissioning Order)	Implement minimum flows	Documented annually to the FERC	2-Dec-05	22-Dec-33	1-March-23	Soda - 150 cfs downstream; Grace - 65 cfs; Oneida - 251 cfs downstream.
Art. 408	Maintenance schedule consultation	Documented annually to the FERC	1-Apr-04	22-Dec-33	31-March-23	Consult annually (prior to April 1) with ECC to minimize drawdowns and coordinate maintenance activities; consult with ECC in emergencies if practicable.
Art. 409	Fish Stranding Minimization Plan	Documentation of plan compliance in Annual Report.	30-Sept-04	22-Dec-33	Suspended	Continued suspension of Art. 409 Fish Stranding Minimization Plan was confirmed by the FERC on October 17, 2012, in an issuance that confirmed that PacifiCorp had complied with Ordering paragraph (b) of the FERC's June 3, 2011 Order Approving Suspension of the Fish Stranding Minimization Plan.
Art. 410	Kackley Springs	Implement flow redirection plan.	22-Dec-08	22-Dec-09	22-Dec-09	This project was completed in 2009.
Art. 412	Implement ramp rates	Documented annually to the FERC in the annual report.	22-Dec-04	22-Dec-33	1-Mar-23	Soda - 1.2 ft/hr, ascending and descending measured at USGS gage 10079500; Oneida - 2.0 ft/15 min on the descending arm at USGS gage 10086500. Black Canyon Boater Flow – 1 ft/hr on the descending arm.
Art. 413	Water quality monitoring and reporting	Bear River Project 401 Clean Water Act Certification.	1-May-04	30-Sep-09	1-Mar-09	This project was completed in 2009.
Art. 415	Operations and Compliance Plan Implementation	Documented annually to the FERC	22-Dec-04	22-Dec-33	1-March-23	Ongoing; provides proper functioning equipment used to meet minimum flow and ramping requirements, reporting requirements, and reasonable tolerances.
Art. 415	Operations and Compliance Plan	Document changes/updates	1- Oct-05	28-Feb-06	Ongoing	Ongoing compliance will be maintained per Operations Compliance Plan approved by the FERC September 10, 2014.
Art. 416	Oneida campground funding	Reimbursement to BLM	1-May-05	22-Dec-33	1-Oct-23	Annual \$10K reimbursement to BLM upon invoice; funds do not carry over.

Table H-1. Bear River Hydroelectric Project - 2023 Implementation Schedule						
License Article	Action	Deliverable	Start Date	End Date	Next Deliverable Date	Comments
Art. 416	Maintain recreation sites	Maintain constructed facilities	1-May-05	22-Dec-33	Ongoing	Maintain sites as described in Recreation and Traffic Safety Plan and Site Management Plans.
Art 416	Assistance to Caribou County	Reimbursement to County	1-May-05	22-Dec-33	1-Oct-23	Annual \$3K reimbursement to county; does not carry over.
Art. 417	Maintain signs along Oneida road	Review, repair and replace signs as needed.	1-May-05	22-Dec-33	15-May-23	Annually replace or repair traffic signs along the Oneida road (\$1K).
Art. 417	Oneida Road Improvements	Complete Road Work	1-Aug-06	1-Jul-07	1-Oct-08	This project was completed in 2008. Annual maintenance continues.
Art. 417	Law enforcement	Reimbursement to Franklin County Sherriff's Department	1-May-05	22-Dec-33	1-Oct-23	Annual \$3K funding to law enforcement agency and use of company's radio frequency, does not carry over.
Art. 417	Dust abatement	Dust Abatement	1-May-05	22-Dec-33	Summer-23	Up to twice annually, on the Oneida Project road 100 ft. on either side of Maple Grove and Redpoint Campgrounds.
Art. 418	Grace Spill Gate	Gates installed and functioning	1-Apr-06	22-Dec-33	1-Oct-08	This project was completed in 2008.
Art.419	Whitewater flows in Black Canyon	Documentation in Annual Report	1-May-05	22-Dec-33	1-Mar-23	Revised program will be administered and reported on per Boater Flow Agreement approved by ECC and the FERC in 2012.
401 Cert.	Oneida Operations Report	Annual Report to IDEQ in November.	30-Nov-05	30-Nov-33	30-Nov-23	Record of water releases for power, irrigation, or flood control. Submit to IDEQ
Art. 420	Boatable flows in Oneida reach	Documentation in annual report	1-May-05	22-Dec-33	Ongoing	With available water, target is 900 cfs below powerhouse between Memorial Day and Labor Day.
Art. 421	Black Canyon Boatable flow release schedule	Develop annual schedule and submit to the FERC.	5-Mar-08	22-Dec-33	20-Mar-23	Starting in 2012, all releases will be scheduled between April 1 and June 5. Four weekend releases to be scheduled: three two-day events and one three-day event. Schedule to be coordinated between American Whitewater, PacifiCorp and ECC.

Table H-1. Bear River Hydroelectric Project - 2023 Implementation Schedule						
License Article	Action	Deliverable	Start Date	End Date	Next Deliverable Date	Comments
Art. 422	Flow Phone and website	Maintain website, flow phone and prepare annual schedule of whitewater flows.	1-May-05	22-Dec-33	Ongoing	Website will present whitewater calendar dates; flows for current and prior 6 days in hourly averages, and 7-day forecast; gages linked to Flow Phone (daily) and website (4-hour intervals). Whitewater release calendar posting will be reported on website.
Art. 423	Protect historical resources	Continue to implement Interpretation and Education Plan, review of project activities and annual site monitoring.	2-Jan-05	22-Dec-33	22-Jan-23	The FERC Order approving HPMP was received in 2008. Implementation of plan to be reported annually to the FERC prior to January 22 of each year.
Art. 424 and 425	Land Management	Land Management Plan and site plan implementation. Monitoring of all lands and noxious weed control.	2-Jan-05	22-Dec-33	Ongoing	Site plans developed in consultation with the ECC; buffer zone management through modified leases. Maintenance of exclusion fences, treatment of noxious weeds and monitoring of user or trespass impacts. An updated Land Management and Buffer Zone Plan was approved by the FERC July 17, 2014. An updated Oneida Site Plan was submitted to the FERC June 3, 2015, receipt was acknowledged by the FERC December 7, 2015.
Art. 426	Fencing in Cove Bypass Reach	Fences	1-Apr-05	22-Dec-33	Initial construction complete (maintenance ongoing).	Fencing of selected riparian areas in Cove bypass reach, while allowing landowners to exercise stock watering rights. This project is complete. Maintenance of fences to be completed by PacifiCorp through life of license. Annual monitoring is conducted along with fence maintenance.
Art. 428	Interests in project lands	Report to the FERC	22-Dec-04	22-Dec-33	31-Jan-23	Annually file with the FERC a report of any easement or rights-of-way granted in the previous year no later than January 31. Sixty days before conveying any interest in project lands a letter must be submitted to the FERC.
Art. 429	Report on Cove Decommissioning Expenses	Report to ECC and the FERC	1-May-06	31-Mar-07	31-Mar-07	This requirement was completed in 2007.

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**Bear River Hydroelectric Project  
Federal Energy Regulatory Commission  
Project No. 20**

**Oneida Development  
Water Year 2022 Operations Report**



*Submitted to:*

Idaho Department of Environmental Quality

*Prepared by:*



November 1, 2022

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## 1.0 INTRODUCTION

This report fulfills the requirements of paragraph 4 of the 401 Water Quality Certification dated 23 June 2003 and Appendix A of the FERC license for FERC Project No. 20 issued 22 December 2003. The precise requirements are:

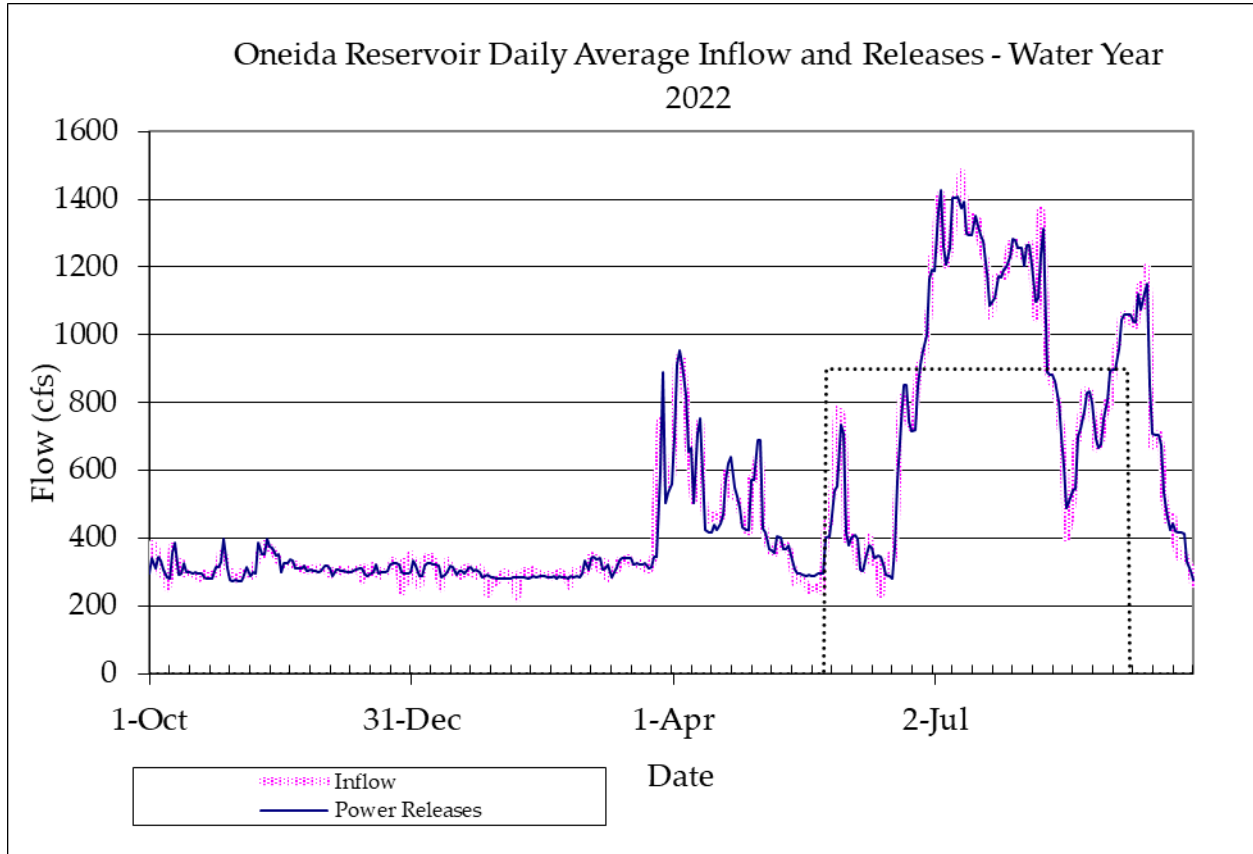
*“At the November meeting of the Bear River Commission, PacifiCorp shall provide IDEQ a report for the preceding water year that describes PacifiCorp’s operation of the Oneida Project. The report shall set forth a record showing the times during the preceding water year when PacifiCorp released water for power production, flood control, irrigation delivery, facility maintenance or for other reasons. The annual report shall be delivered to IDEQ each year during the term of the New License.”*

In addition, this report summarizes down-ramp rates and the Article 420 summer goal flow compliance.

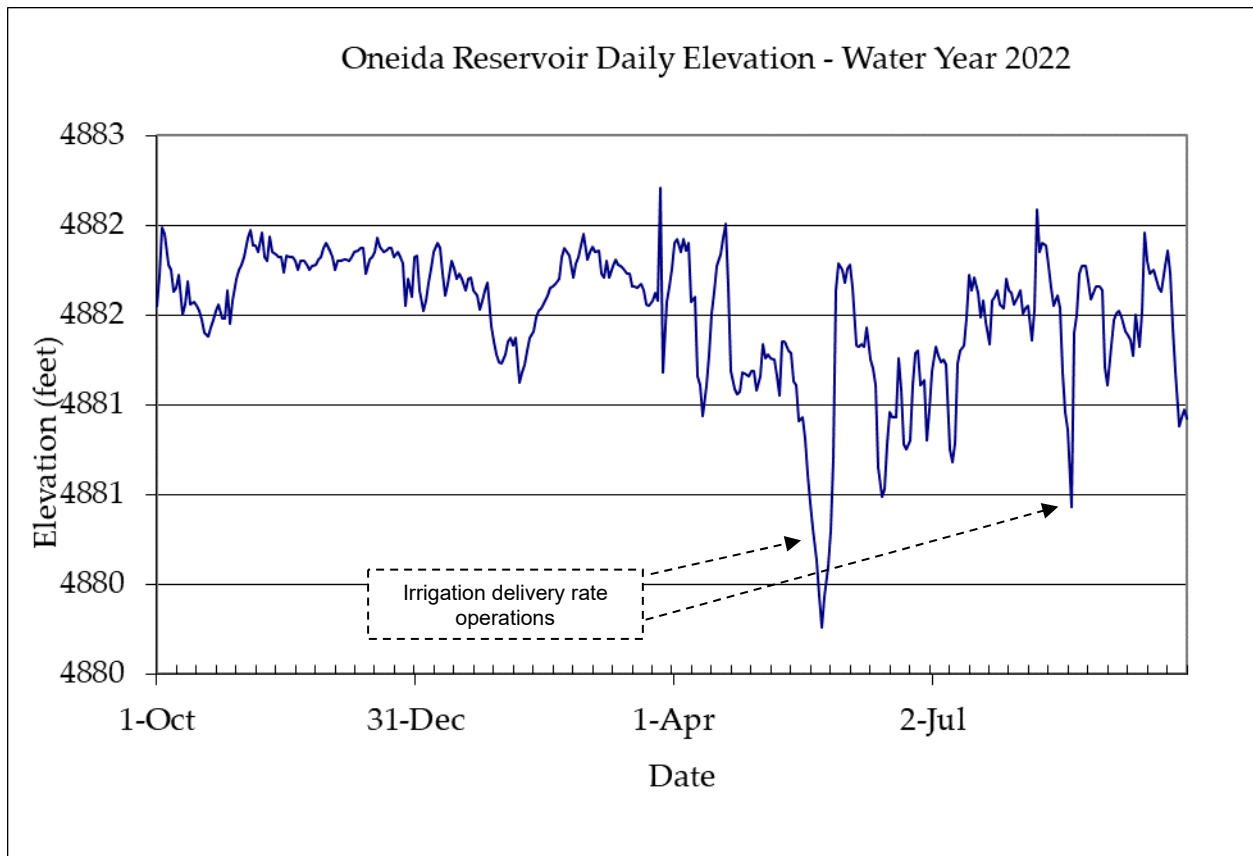
## 2.0 RESERVOIR INFLOW, RELEASES AND ELEVATION

Reservoir releases were made to pass inflow for power generation and for downstream irrigation demand (Figure 1). Flows in Figure 1 include both power releases and spill gate discharge. See Figure 2 for changes in reservoir storage. Fluctuations in reservoir elevation are highlighted and explained on Figure 2.

Figure 1 also highlights the period of Article 420 goal flows between Memorial Day and Labor Day. Article 420 reads, “Oneida Recreation Goal Flow, release flows greater than 900 cfs below the powerhouse, if available, between Memorial Day and Labor Day.” Recreation flows were provided in relation to required irrigation releases. For 46 of 99 possible days (46%) in the goal flow period between May 30 and September 5, high irrigation demand resulted in flows above 900 cfs in the Oneida Narrows reach.



**Figure 1.** Daily average reservoir inflow, all flow past the gage and goal flow for the Memorial Day to Labor Day period. Flows are in cubic feet per second (CFS). The flows shown *include* spill gate releases.



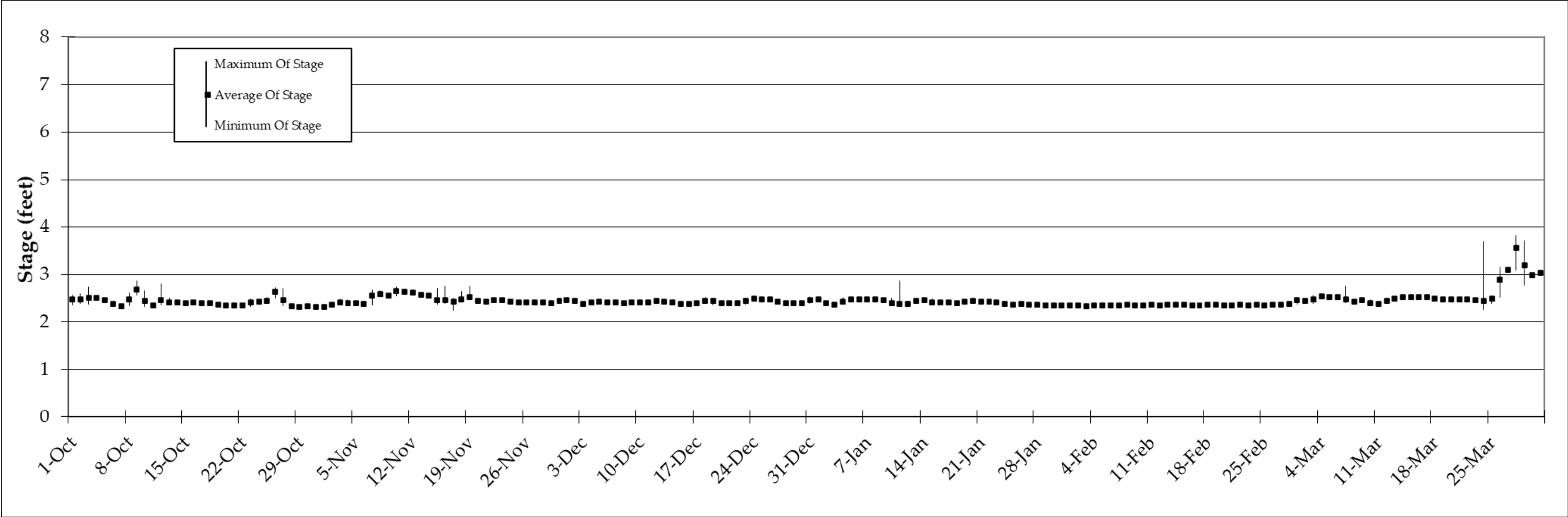
**Figure 2.** Oneida Reservoir elevations.

### 3.0 DAILY FLUCTUATIONS

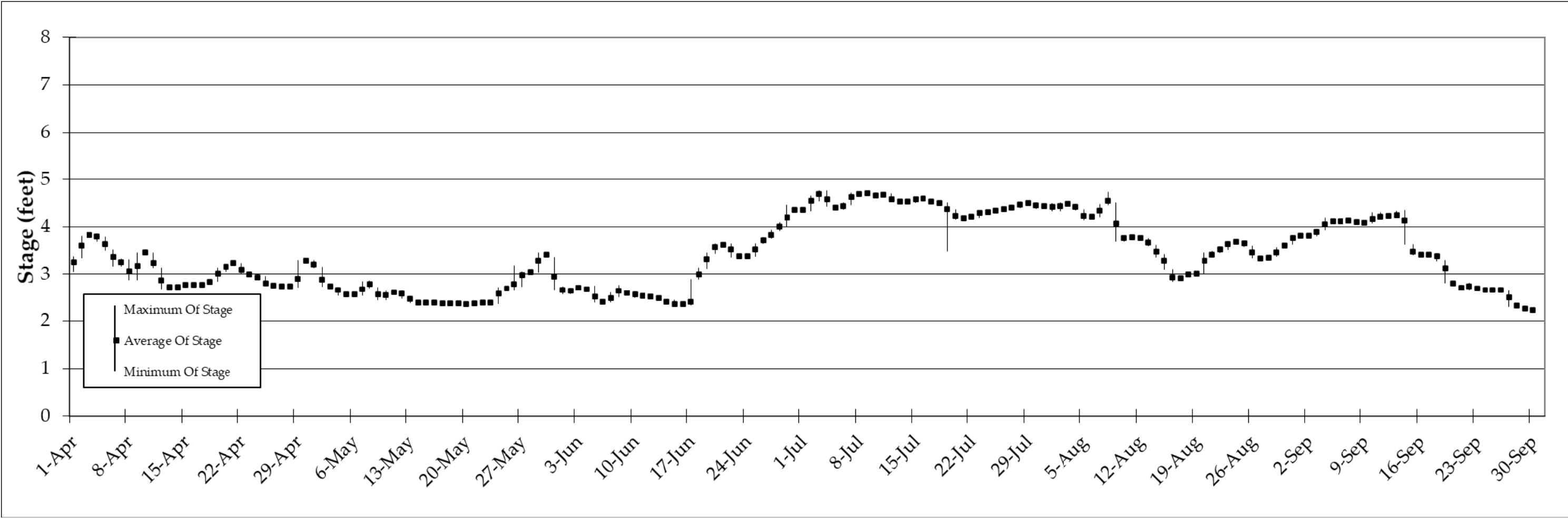
Daily fluctuations are summarized in this report by the plots and tables of statistics of daily stage values that are recorded every 15-minutes. The statistics presented are average, maximum and minimum. This is a concise way of demonstrating the daily fluctuations. Figures 3 and 4 depict the average stage by day as a black square with a line spanning the range between the minimum and maximum stage.

Note that during maintenance and repair events, the higher water level fluctuations are a result of establishing the new flow from a different unit or from the spill gates *before* the existing unit is reduced to avoid the possibility of minimum flow reportable events. As indicated by the daily average relative to the daily maximum, the excess water is only released for a short time.

In the 1980s, the Oneida Project was used for electrical grid stabilization and as a result, frequent and large flow fluctuations on the order of minutes were common downstream. Current operations do not produce this type of downstream flow fluctuation as shown by Figures 3 and 4. The primary purpose of daily reservoir releases is noted in Appendix A along with the maximum daily ramp rate.



**Figure 3.** October 2021 through March 2022 daily average, maximum and minimum stage below Oneida. Precise values for each day and explanations are provided in Appendix A. Corresponding flows are shown in Figure 1.



**Figure 4.** April through September 2022 daily average, maximum and minimum stage below Oneida. Precise values for each day and explanations are provided in Appendix A. Corresponding power releases are shown in Figure 1.

## **4.0 RAMPING RATE ANALYSIS**

An analysis of the maximum daily ramping rate is shown in Appendix A. The table summarizes the maximum stage decrease in any 15-minute period in each day. There were no exceedances of the ramping rate in water year 2022.

## Appendix A. Daily Summary of Gage Height, Primary Purpose for Water Releases and Daily Maximum Down-Ramping Rate

Date	Maximum of Stage (feet)	Minimum of Stage (feet)	Average of Stage (feet)	Maximum 15-minute Down-Ramping Rate (feet per 15 minutes)	Primary Purpose for Water Releases and Comments
1-Oct	2.56	2.36	2.48	0.03	Power production
2-Oct	2.59	2.39	2.47	0.08	Power production
3-Oct	2.74	2.38	2.51	0.13	Power production
4-Oct	2.53	2.46	2.50	0.01	Power production
5-Oct	2.51	2.40	2.45	0.06	Power production
6-Oct	2.42	2.33	2.38	0.04	Power production
7-Oct	2.37	2.31	2.33	0.03	Power production
8-Oct	2.61	2.34	2.48	0.02	Power production
9-Oct	2.86	2.57	2.68	0.17	Power production
10-Oct	2.66	2.33	2.45	0.09	Power production
11-Oct	2.39	2.30	2.35	0.03	Power production
12-Oct	2.80	2.35	2.46	0.19	Power production
13-Oct	2.49	2.37	2.41	0.08	Power production
14-Oct	2.42	2.40	2.41	0.01	Power production
15-Oct	2.41	2.38	2.39	0.02	Power production
16-Oct	2.46	2.38	2.41	0.04	Power production
17-Oct	2.45	2.36	2.39	0.08	Power production
18-Oct	2.43	2.36	2.40	0.02	Power production
19-Oct	2.37	2.35	2.36	0.01	Power production
20-Oct	2.37	2.32	2.35	0.01	Power production
21-Oct	2.36	2.33	2.34	0.01	Power production
22-Oct	2.37	2.33	2.34	0.02	Power production
23-Oct	2.48	2.33	2.41	0.01	Power production
24-Oct	2.47	2.41	2.43	0.06	Power production
25-Oct	2.52	2.41	2.45	0.01	Power production
26-Oct	2.72	2.51	2.63	0.02	Power production
27-Oct	2.71	2.34	2.46	0.14	Power production
28-Oct	2.36	2.31	2.33	0.02	Power production
29-Oct	2.34	2.30	2.32	0.03	Power production
30-Oct	2.35	2.31	2.33	0.02	Power production
31-Oct	2.36	2.30	2.32	0.02	Power production
1-Nov	2.33	2.30	2.31	0.01	Power production
2-Nov	2.39	2.33	2.36	0.02	Power production
3-Nov	2.49	2.36	2.42	0.04	Power production
4-Nov	2.46	2.35	2.40	0.07	Power production

Date	Maximum of Stage (feet)	Minimum of Stage (feet)	Average of Stage (feet)	Maximum 15-minute Down-Ramping Rate (feet per 15 minutes)	Primary Purpose for Water Releases and Comments
5-Nov	2.43	2.34	2.39	0.01	Power production
6-Nov	2.42	2.36	2.38	0.04	Power production
7-Nov	2.67	2.36	2.55	0.01	Power production
8-Nov	2.66	2.54	2.59	0.04	Power production
9-Nov	2.57	2.53	2.55	0.03	Power production
10-Nov	2.73	2.55	2.64	0.03	Power production
11-Nov	2.69	2.60	2.64	0.07	Power production
12-Nov	2.64	2.60	2.61	0.02	Power production
13-Nov	2.62	2.53	2.58	0.03	Power production
14-Nov	2.60	2.53	2.56	0.01	Power production
15-Nov	2.71	2.37	2.46	0.29	Power production
16-Nov	2.75	2.39	2.45	0.24	Power production
17-Nov	2.51	2.25	2.43	0.25	Power production
18-Nov	2.65	2.42	2.48	0.16	Power production
19-Nov	2.75	2.48	2.53	0.27	Power production
20-Nov	2.50	2.40	2.44	0.08	Power production
21-Nov	2.47	2.39	2.42	0.02	Power production
22-Nov	2.48	2.45	2.46	0.01	Power production
23-Nov	2.50	2.44	2.46	0.01	Power production
24-Nov	2.47	2.40	2.43	0.03	Power production
25-Nov	2.45	2.39	2.42	0.02	Power production
26-Nov	2.44	2.40	2.42	0.02	Power production
27-Nov	2.46	2.39	2.42	0.03	Power production
28-Nov	2.45	2.40	2.41	0.02	Power production
29-Nov	2.45	2.37	2.40	0.04	Power production
30-Nov	2.48	2.40	2.44	0.01	Power production
1-Dec	2.48	2.43	2.46	0.01	Power production
2-Dec	2.49	2.39	2.45	0.08	Power production
3-Dec	2.43	2.35	2.38	0.04	Power production
4-Dec	2.45	2.36	2.41	0.01	Power production
5-Dec	2.45	2.40	2.42	0.02	Power production
6-Dec	2.43	2.40	2.41	0.02	Power production
7-Dec	2.45	2.41	2.42	0.02	Power production
8-Dec	2.45	2.38	2.40	0.04	Power production
9-Dec	2.43	2.40	2.41	0.01	Power production
10-Dec	2.44	2.40	2.41	0.01	Power production
11-Dec	2.43	2.40	2.42	0.01	Power production
12-Dec	2.48	2.42	2.44	0.02	Power production

Date	Maximum of Stage (feet)	Minimum of Stage (feet)	Average of Stage (feet)	Maximum 15-minute Down-Ramping Rate (feet per 15 minutes)	Primary Purpose for Water Releases and Comments
13-Dec	2.47	2.41	2.43	0.04	Power production
14-Dec	2.46	2.38	2.41	0.03	Power production
15-Dec	2.39	2.35	2.37	0.01	Power production
16-Dec	2.40	2.35	2.38	0.01	Power production
17-Dec	2.43	2.38	2.40	0.01	Power production
18-Dec	2.51	2.38	2.45	0.04	Power production
19-Dec	2.51	2.36	2.44	0.12	Power production
20-Dec	2.43	2.35	2.39	0.02	Power production
21-Dec	2.42	2.38	2.40	0.02	Power production
22-Dec	2.43	2.36	2.40	0.04	Power production
23-Dec	2.50	2.38	2.45	0.02	Power production
24-Dec	2.50	2.48	2.49	0.02	Power production
25-Dec	2.50	2.47	2.48	0.01	Power production
26-Dec	2.50	2.47	2.48	0.01	Power production
27-Dec	2.48	2.40	2.43	0.06	Power production
28-Dec	2.44	2.38	2.40	0.03	Power production
29-Dec	2.40	2.38	2.39	0.01	Power production
30-Dec	2.44	2.37	2.40	0.03	Power production
31-Dec	2.53	2.38	2.46	0.01	Power production
1-Jan	2.52	2.43	2.48	0.07	Power production
2-Jan	2.44	2.35	2.39	0.06	Power production
3-Jan	2.38	2.35	2.36	0.01	Power production
4-Jan	2.51	2.37	2.42	0.05	Power production
5-Jan	2.49	2.47	2.48	0.01	Power production
6-Jan	2.49	2.46	2.48	0.01	Power production
7-Jan	2.49	2.46	2.47	0.01	Power production
8-Jan	2.49	2.46	2.47	0.01	Power production
9-Jan	2.47	2.45	2.46	0.01	Power production
10-Jan	2.50	2.35	2.40	0.13	Power production
11-Jan	2.86	2.35	2.38	0.28	Power production
12-Jan	2.43	2.34	2.39	0.01	Power production
13-Jan	2.47	2.41	2.44	0.01	Power production
14-Jan	2.47	2.44	2.46	0.01	Power production
15-Jan	2.49	2.38	2.41	0.08	Power production
16-Jan	2.45	2.38	2.41	0.03	Power production
17-Jan	2.43	2.39	2.41	0.01	Power production
18-Jan	2.43	2.37	2.40	0.03	Power production
19-Jan	2.46	2.37	2.42	0.01	Power production

Date	Maximum of Stage (feet)	Minimum of Stage (feet)	Average of Stage (feet)	Maximum 15-minute Down-Ramping Rate (feet per 15 minutes)	Primary Purpose for Water Releases and Comments
20-Jan	2.46	2.41	2.44	0.03	Power production
21-Jan	2.45	2.41	2.43	0.02	Power production
22-Jan	2.45	2.39	2.42	0.02	Power production
23-Jan	2.45	2.35	2.41	0.05	Power production
24-Jan	2.42	2.34	2.37	0.06	Power production
25-Jan	2.37	2.34	2.36	0.01	Power production
26-Jan	2.41	2.35	2.38	0.02	Power production
27-Jan	2.38	2.34	2.36	0.03	Power production
28-Jan	2.37	2.35	2.36	0.01	Power production
29-Jan	2.36	2.33	2.35	0.02	Power production
30-Jan	2.37	2.33	2.35	0.01	Power production
31-Jan	2.37	2.33	2.34	0.02	Power production
1-Feb	2.37	2.34	2.35	0.01	Power production
2-Feb	2.36	2.34	2.35	0.01	Power production
3-Feb	2.35	2.33	2.34	0.01	Power production
4-Feb	2.37	2.33	2.35	0.01	Power production
5-Feb	2.38	2.34	2.35	0.01	Power production
6-Feb	2.37	2.33	2.35	0.02	Power production
7-Feb	2.38	2.34	2.35	0.03	Power production
8-Feb	2.39	2.34	2.36	0.02	Power production
9-Feb	2.36	2.34	2.35	0.01	Power production
10-Feb	2.37	2.34	2.36	0.01	Power production
11-Feb	2.38	2.35	2.36	0.01	Power production
12-Feb	2.38	2.34	2.36	0.01	Power production
13-Feb	2.38	2.34	2.36	0.01	Power production
14-Feb	2.38	2.35	2.36	0.01	Power production
15-Feb	2.38	2.35	2.36	0.02	Power production
16-Feb	2.37	2.35	2.36	0.01	Power production
17-Feb	2.38	2.34	2.36	0.01	Power production
18-Feb	2.39	2.36	2.37	0.01	Power production
19-Feb	2.38	2.33	2.36	0.04	Power production
20-Feb	2.37	2.33	2.34	0.02	Power production
21-Feb	2.38	2.33	2.35	0.02	Power production
22-Feb	2.37	2.35	2.36	0.01	Power production
23-Feb	2.36	2.34	2.35	0.01	Power production
24-Feb	2.37	2.35	2.36	0.00	Power production
25-Feb	2.37	2.34	2.35	0.01	Power production
26-Feb	2.38	2.34	2.36	0.01	Power production

Date	Maximum of Stage (feet)	Minimum of Stage (feet)	Average of Stage (feet)	Maximum 15-minute Down-Ramping Rate (feet per 15 minutes)	Primary Purpose for Water Releases and Comments
27-Feb	2.39	2.34	2.36	0.03	Power production
28-Feb	2.41	2.34	2.37	0.02	Power production
1-Mar	2.52	2.37	2.46	0.01	Power production
2-Mar	2.51	2.39	2.45	0.04	Power production
3-Mar	2.57	2.40	2.48	0.02	Power production
4-Mar	2.57	2.52	2.54	0.02	Power production
5-Mar	2.54	2.51	2.52	0.01	Power production
6-Mar	2.55	2.50	2.52	0.03	Power production
7-Mar	2.75	2.41	2.47	0.19	Power production
8-Mar	2.45	2.40	2.43	0.01	Power production
9-Mar	2.52	2.41	2.46	0.04	Power production
10-Mar	2.47	2.34	2.39	0.06	Power production
11-Mar	2.42	2.33	2.37	0.01	Power production
12-Mar	2.46	2.40	2.44	0.01	Power production
13-Mar	2.53	2.43	2.49	0.01	Power production
14-Mar	2.54	2.51	2.52	0.01	Power production
15-Mar	2.54	2.51	2.52	0.01	Power production
16-Mar	2.54	2.52	2.53	0.01	Power production
17-Mar	2.54	2.52	2.53	0.01	Power production
18-Mar	2.53	2.46	2.49	0.04	Power production
19-Mar	2.50	2.46	2.48	0.01	Power production
20-Mar	2.50	2.47	2.48	0.01	Power production
21-Mar	2.49	2.46	2.48	0.01	Power production
22-Mar	2.52	2.46	2.48	0.02	Power production
23-Mar	2.50	2.42	2.46	0.06	Power production
24-Mar	3.70	2.26	2.44	1.24	Power production
25-Mar	2.55	2.39	2.49	0.02	Power production
26-Mar	3.15	2.51	2.89	0.04	Power production
27-Mar	3.13	3.05	3.09	0.02	Power production
28-Mar	3.83	3.09	3.56	0.10	Power production
29-Mar	3.72	2.78	3.18	0.24	Power production
30-Mar	3.03	2.92	2.99	0.01	Power production
31-Mar	3.08	2.98	3.04	0.02	Power production
1-Apr	3.38	3.05	3.26	0.02	Power production
2-Apr	3.81	3.35	3.61	0.01	Power production
3-Apr	3.85	3.79	3.82	0.01	Power production
4-Apr	3.86	3.70	3.79	0.13	Power production
5-Apr	3.79	3.51	3.64	0.08	Power production

Date	Maximum of Stage (feet)	Minimum of Stage (feet)	Average of Stage (feet)	Maximum 15-minute Down-Ramping Rate (feet per 15 minutes)	Primary Purpose for Water Releases and Comments
6-Apr	3.52	3.17	3.37	0.17	Power production
7-Apr	3.32	3.16	3.25	0.01	Power production
8-Apr	3.31	2.88	3.07	0.15	Power production
9-Apr	3.46	2.88	3.17	0.02	Power production
10-Apr	3.52	3.44	3.46	0.05	Power production
11-Apr	3.45	3.14	3.24	0.18	Power production
12-Apr	3.14	2.69	2.88	0.14	Power production
13-Apr	2.74	2.71	2.73	0.02	Power production
14-Apr	2.76	2.71	2.73	0.03	Power production
15-Apr	2.82	2.73	2.77	0.02	Power production
16-Apr	2.80	2.72	2.77	0.08	Power production
17-Apr	2.80	2.72	2.77	0.03	Power production
18-Apr	2.89	2.78	2.83	0.06	Power production
19-Apr	3.14	2.85	3.02	0.05	Power production
20-Apr	3.20	3.06	3.16	0.01	Power production
21-Apr	3.26	3.19	3.23	0.01	Power production
22-Apr	3.24	3.03	3.10	0.11	Power production
23-Apr	3.05	2.98	3.00	0.05	Power production
24-Apr	3.00	2.89	2.93	0.10	Power production
25-Apr	2.95	2.76	2.81	0.08	Power production
26-Apr	2.77	2.74	2.75	0.01	Power production
27-Apr	2.77	2.74	2.75	0.01	Power production
28-Apr	2.76	2.74	2.75	0.01	Power production
29-Apr	3.29	2.72	2.90	0.03	Power production
30-Apr	3.30	3.27	3.29	0.01	Power production
1-May	3.30	3.14	3.21	0.04	Power production
2-May	3.15	2.74	2.89	0.23	Power production
3-May	2.78	2.72	2.74	0.03	Power production
4-May	2.72	2.54	2.66	0.07	Power production
5-May	2.61	2.53	2.57	0.01	Power production
6-May	2.59	2.56	2.57	0.01	Power production
7-May	2.85	2.54	2.67	0.01	Power production
8-May	2.86	2.70	2.79	0.07	Power production
9-May	2.72	2.44	2.57	0.12	Power production
10-May	2.63	2.44	2.56	0.03	Power production
11-May	2.65	2.58	2.62	0.01	Power production
12-May	2.65	2.48	2.58	0.09	Power production
13-May	2.54	2.39	2.47	0.06	Power production

Date	Maximum of Stage (feet)	Minimum of Stage (feet)	Average of Stage (feet)	Maximum 15-minute Down-Ramping Rate (feet per 15 minutes)	Primary Purpose for Water Releases and Comments
14-May	2.41	2.38	2.39	0.01	Power production
15-May	2.41	2.36	2.39	0.04	Power production
16-May	2.40	2.35	2.38	0.04	Power production
17-May	2.40	2.35	2.38	0.04	Power production
18-May	2.40	2.36	2.38	0.01	Power production
19-May	2.41	2.34	2.38	0.02	Power production
20-May	2.38	2.35	2.36	0.01	Power production
21-May	2.42	2.35	2.38	0.03	Power production
22-May	2.41	2.37	2.39	0.01	Power production
23-May	2.41	2.37	2.39	0.02	Irrigation delivery
24-May	2.71	2.37	2.59	0.31	Irrigation delivery
25-May	2.71	2.66	2.69	0.03	Irrigation delivery
26-May	3.18	2.65	2.79	0.45	Irrigation delivery
27-May	3.06	2.73	2.98	0.21	Irrigation delivery
28-May	3.06	3.03	3.04	0.01	Irrigation delivery
29-May	3.45	3.04	3.28	0.01	Irrigation delivery
30-May	3.46	3.35	3.41	0.06	Irrigation delivery
31-May	3.35	2.67	2.94	0.22	Power production
1-Jun	2.73	2.58	2.67	0.09	Power production
2-Jun	2.71	2.57	2.65	0.02	Power production
3-Jun	2.73	2.68	2.71	0.03	Power production
4-Jun	2.72	2.66	2.69	0.05	Power production
5-Jun	2.75	2.41	2.52	0.20	Power production
6-Jun	2.45	2.40	2.41	0.02	Power production
7-Jun	2.61	2.40	2.49	0.03	Irrigation delivery
8-Jun	2.77	2.52	2.64	0.15	Irrigation delivery
9-Jun	2.63	2.58	2.60	0.02	Irrigation delivery
10-Jun	2.63	2.50	2.56	0.11	Irrigation delivery
11-Jun	2.56	2.52	2.54	0.02	Irrigation delivery
12-Jun	2.54	2.50	2.52	0.02	Irrigation delivery
13-Jun	2.52	2.46	2.48	0.05	Irrigation delivery
14-Jun	2.46	2.35	2.41	0.03	Irrigation delivery
15-Jun	2.46	2.30	2.36	0.10	Irrigation delivery
16-Jun	2.37	2.33	2.35	0.02	Irrigation delivery
17-Jun	2.90	2.33	2.40	0.01	Irrigation delivery
18-Jun	3.13	2.90	2.99	0.01	Irrigation delivery
19-Jun	3.45	3.12	3.32	0.01	Irrigation delivery
20-Jun	3.64	3.43	3.57	0.01	Irrigation delivery

Date	Maximum of Stage (feet)	Minimum of Stage (feet)	Average of Stage (feet)	Maximum 15-minute Down-Ramping Rate (feet per 15 minutes)	Primary Purpose for Water Releases and Comments
21-Jun	3.64	3.62	3.63	0.01	Irrigation delivery
22-Jun	3.64	3.37	3.52	0.15	Irrigation delivery
23-Jun	3.39	3.37	3.38	0.01	Irrigation delivery
24-Jun	3.40	3.37	3.38	0.01	Irrigation delivery
25-Jun	3.65	3.38	3.53	0.01	Irrigation delivery
26-Jun	3.78	3.64	3.71	0.01	Irrigation delivery
27-Jun	3.94	3.76	3.83	0.01	Irrigation delivery
28-Jun	4.09	3.92	4.00	0.14	Irrigation delivery
29-Jun	4.47	4.00	4.19	0.09	Irrigation delivery
30-Jun	4.37	4.34	4.36	0.01	Irrigation delivery
1-Jul	4.37	4.34	4.35	0.02	Irrigation delivery
2-Jul	4.65	4.34	4.54	0.01	Irrigation delivery
3-Jul	4.76	4.54	4.69	0.09	Irrigation delivery
4-Jul	4.76	4.43	4.58	0.16	Irrigation delivery
5-Jul	4.44	4.37	4.40	0.02	Irrigation delivery
6-Jul	4.50	4.37	4.43	0.06	Irrigation delivery
7-Jul	4.71	4.45	4.62	0.01	Irrigation delivery
8-Jul	4.71	4.69	4.70	0.01	Irrigation delivery
9-Jul	4.72	4.69	4.70	0.01	Irrigation delivery
10-Jul	4.72	4.61	4.67	0.08	Irrigation delivery
11-Jul	4.70	4.65	4.68	0.01	Irrigation delivery
12-Jul	4.70	4.52	4.58	0.17	Irrigation delivery
13-Jul	4.54	4.52	4.53	0.01	Irrigation delivery
14-Jul	4.55	4.51	4.52	0.01	Irrigation delivery
15-Jul	4.63	4.52	4.59	0.01	Irrigation delivery
16-Jul	4.62	4.54	4.59	0.03	Irrigation delivery
17-Jul	4.56	4.51	4.53	0.03	Irrigation delivery
18-Jul	4.53	4.48	4.50	0.04	Irrigation delivery
19-Jul	4.51	3.48	4.38	0.72	Irrigation delivery
20-Jul	4.37	4.16	4.24	0.18	Irrigation delivery
21-Jul	4.22	4.15	4.18	0.01	Irrigation delivery
22-Jul	4.22	4.19	4.21	0.01	Irrigation delivery
23-Jul	4.34	4.20	4.29	0.01	Irrigation delivery
24-Jul	4.33	4.28	4.32	0.02	Irrigation delivery
25-Jul	4.38	4.32	4.34	0.02	Irrigation delivery
26-Jul	4.38	4.35	4.36	0.01	Irrigation delivery
27-Jul	4.43	4.35	4.40	0.01	Irrigation delivery
28-Jul	4.52	4.40	4.47	0.01	Irrigation delivery

Date	Maximum of Stage (feet)	Minimum of Stage (feet)	Average of Stage (feet)	Maximum 15-minute Down-Ramping Rate (feet per 15 minutes)	Primary Purpose for Water Releases and Comments
29-Jul	4.51	4.49	4.50	0.01	Irrigation delivery
30-Jul	4.51	4.38	4.45	0.03	Irrigation delivery
31-Jul	4.48	4.39	4.43	0.01	Irrigation delivery
1-Aug	4.49	4.34	4.42	0.05	Irrigation delivery
2-Aug	4.51	4.34	4.43	0.02	Irrigation delivery
3-Aug	4.51	4.46	4.48	0.02	Irrigation delivery
4-Aug	4.48	4.34	4.43	0.07	Irrigation delivery
5-Aug	4.36	4.14	4.23	0.19	Irrigation delivery
6-Aug	4.22	4.20	4.21	0.01	Irrigation delivery
7-Aug	4.47	4.20	4.34	0.01	Irrigation delivery
8-Aug	4.73	4.45	4.55	0.15	Irrigation delivery
9-Aug	4.51	3.70	4.07	0.19	Irrigation delivery
10-Aug	3.81	3.69	3.76	0.02	Irrigation delivery
11-Aug	3.81	3.77	3.79	0.02	Irrigation delivery
12-Aug	3.79	3.74	3.77	0.02	Irrigation delivery
13-Aug	3.75	3.60	3.67	0.06	Irrigation delivery
14-Aug	3.62	3.37	3.47	0.11	Irrigation delivery
15-Aug	3.42	3.10	3.29	0.14	Irrigation delivery
16-Aug	3.10	2.85	2.94	0.14	Irrigation delivery
17-Aug	2.96	2.86	2.92	0.01	Irrigation delivery
18-Aug	3.02	2.95	3.00	0.01	Irrigation delivery
19-Aug	3.03	3.01	3.02	0.01	Irrigation delivery
20-Aug	3.45	3.01	3.28	0.03	Irrigation delivery
21-Aug	3.48	3.38	3.42	0.02	Irrigation delivery
22-Aug	3.59	3.46	3.53	0.02	Irrigation delivery
23-Aug	3.69	3.52	3.64	0.14	Irrigation delivery
24-Aug	3.70	3.68	3.69	0.01	Irrigation delivery
25-Aug	3.69	3.59	3.65	0.03	Irrigation delivery
26-Aug	3.59	3.35	3.46	0.07	Irrigation delivery
27-Aug	3.37	3.32	3.34	0.02	Irrigation delivery
28-Aug	3.39	3.31	3.35	0.01	Irrigation delivery
29-Aug	3.57	3.38	3.46	0.01	Irrigation delivery
30-Aug	3.65	3.55	3.61	0.02	Irrigation delivery
31-Aug	3.82	3.63	3.76	0.01	Irrigation delivery
1-Sep	3.83	3.81	3.81	0.01	Irrigation delivery
2-Sep	3.83	3.80	3.81	0.01	Irrigation delivery
3-Sep	3.95	3.81	3.89	0.01	Irrigation delivery
4-Sep	4.20	3.93	4.05	0.04	Irrigation delivery

Date	Maximum of Stage (feet)	Minimum of Stage (feet)	Average of Stage (feet)	Maximum 15-minute Down-Ramping Rate (feet per 15 minutes)	Primary Purpose for Water Releases and Comments
5-Sep	4.14	4.08	4.11	0.01	Irrigation delivery
6-Sep	4.13	4.10	4.12	0.01	Irrigation delivery
7-Sep	4.14	4.12	4.13	0.01	Irrigation delivery
8-Sep	4.13	4.09	4.10	0.03	Irrigation delivery
9-Sep	4.11	4.07	4.09	0.01	Irrigation delivery
10-Sep	4.30	4.07	4.16	0.01	Irrigation delivery
11-Sep	4.30	4.15	4.22	0.14	Irrigation delivery
12-Sep	4.29	4.18	4.23	0.05	Irrigation delivery
13-Sep	4.34	4.20	4.25	0.01	Irrigation delivery
14-Sep	4.34	3.62	4.13	0.36	Irrigation delivery
15-Sep	3.63	3.41	3.48	0.12	Irrigation delivery
16-Sep	3.42	3.41	3.41	0.01	Irrigation delivery
17-Sep	3.42	3.40	3.41	0.01	Irrigation delivery
18-Sep	3.44	3.29	3.38	0.10	Irrigation delivery
19-Sep	3.29	2.82	3.13	0.30	Irrigation delivery
20-Sep	2.85	2.76	2.80	0.09	Irrigation delivery
21-Sep	2.76	2.66	2.71	0.03	Irrigation delivery
22-Sep	2.81	2.67	2.74	0.05	Irrigation delivery
23-Sep	2.73	2.66	2.70	0.06	Irrigation delivery
24-Sep	2.69	2.64	2.66	0.01	Irrigation delivery
25-Sep	2.68	2.65	2.67	0.02	Irrigation delivery
26-Sep	2.68	2.64	2.66	0.02	Irrigation delivery
27-Sep	2.66	2.31	2.50	0.13	Irrigation delivery
28-Sep	2.36	2.31	2.33	0.04	Irrigation delivery
29-Sep	2.31	2.21	2.26	0.02	Irrigation delivery
30-Sep	2.25	2.20	2.22	0.02	Irrigation delivery