

# **AVISTA CORPORATION**

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## **FIVE-YEAR FISHERY PROTECTION AND ENHANCEMENT PLAN SUMMARY REPORT 2010-2014**

IDAHO 401 CERTIFICATION, SECTION VII

SPOKANE RIVER HYDROELECTRIC PROJECT  
FERC PROJECT NO. 2545

Prepared By:  
Avista Corporation

*April 9, 2015*

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# TABLE OF CONTENTS

1.0	INTRODUCTION .....	1
1.1	Background .....	1
1.2	Post Falls HED.....	1
2.0	FIVE-YEAR PLAN .....	3
2.1	Public Education and Outreach Program - License Article 409.....	3
2.2	Selection Priorities and Evaluation Criteria .....	3
2.3	Prioritized Measures.....	4
2.4	Annual Work Plans .....	5
2.5	Threatened and Endangered Species.....	5
3.0	FIVE-YEAR SUMMARY REPORT.....	7
3.1	Consultation .....	7
3.2	Implementation Meetings and Approved Annual Work Plans.....	7
4.0	ANNUAL IMPLEMENTATION .....	9
4.1	Coeur d’Alene Lake Fisheries Public Education and Outreach Program.....	9
4.2	Marble Creek Splash Dam Fish Passage Project.....	13
4.3	Native Salmonid Habitat Protection Project .....	16
4.4	Recreation Fishery Project .....	18
5.0	POTENTIAL PROTECTION AND ENHANCEMENT ACTIONS.....	21
6.0	BUDGET SUMMARY.....	23
7.0	REFERENCES .....	24

## TABLES

Table 1	Annual Projects That Were Implemented During the 2010-2014 Time Period
Table 2	Public Education and Outreach Project Costs
Table 3	Marble Creek Splash Dam Fish Passage Project Costs
Table 4	Native Salmonid Habitat Protection Project-Katie James Conservation Easement Project Costs
Table 5	Recreation Fishery Project-Spicer Pond Project Costs
Table 6	2009-2014 Fishery Protection and Enhancement Plan Budget Summary

## FIGURES

Figure 1	Post Falls Project Location Map
Figure 2	2010-2014 Fishery Project Locations
Figure 3	Information Bulletin Board at Sun-Up-Bay Boat Launch, Coeur d’Alene Lake, ID
Figure 4	Upper Marble Creek Splash Dam, Summer 2012
Figure 5	Upper Marble Creek Splash Dam after the Passage Breach, Summer 2014
Figure 6	Cold Water Refuge on the Katie James Conservation Easement, Summer 2012

Figure 7 Spicer Pond Construction and Information Kiosk, Summer 2014  
Figure 8 Detail of the Kiosk Area Map

**APPENDICES**

Appendix A Fishery Project Ranking Criteria  
Appendix B Consultation Record

## **1.0 INTRODUCTION**

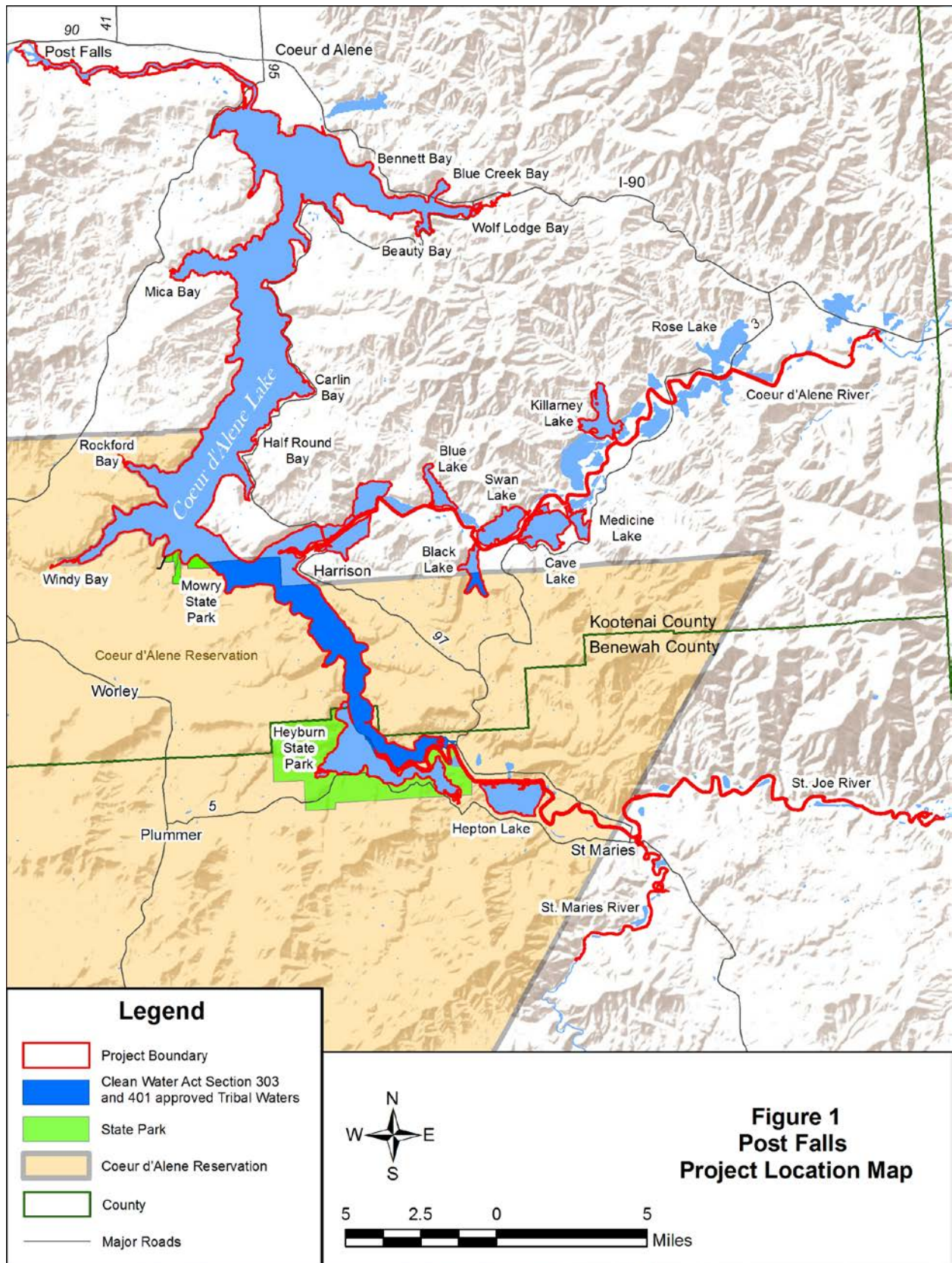
### **1.1 Background**

On June 18, 2009, the Federal Energy Regulatory Commission (FERC) issued a new License for Avista Corporation's Spokane River Project (Project), FERC Project No. 2545, which includes the Post Falls Hydroelectric Development (HED) in Idaho. Appendix A of the License includes the Idaho Department of Environmental Quality's (IDEQ) Certification Conditions under Section 401 of the Federal Clean Water Act (Certification).

Appendix A, Section VII, Exhibit 1 of the License states that within the first year after the new License, Avista shall submit a Fishery Protection and Enhancement Plan to identify and describe a prioritized set of measures to be implemented or funded in the first five-year period after the new License becomes effective to the Idaho Department of Fish and Game (IDFG) for approval. Additionally, License Article 409 requires the Coeur d'Alene Lake Fisheries Public Education and Outreach Program to be incorporated into the Plan. Avista is also required to provide the IDFG and IDEQ a Fishery Protection and Enhancement Plan Summary Report every five years that documents implementation of the measures described in the Plan.

### **1.2 Post Falls HED**

The Post Falls HED includes three dams located on the Spokane River approximately nine miles downstream from the outlet of Coeur d'Alene Lake (Lake). The HED controls water levels in the Lake and the lower tributaries to it, except during winter and through most of the spring run-off period. The Post Falls HED Project boundary encompasses the Lake, the Spokane River upstream of the Post Falls dams, and the lower reaches of the St. Joe, Coeur d'Alene and St. Maries rivers to the normal full pool elevation of 2,128.0 feet (Figure 1).



## **2.0 FIVE-YEAR PLAN**

Avista developed the Five-Year Fishery Protection and Enhancement Plan” (Plan), which described the prioritized measures to be implemented between 2010 and 2014 and submitted it to IDFG for approval (Avista 2010a). IDFG approved the Plan on May 18, 2010. Components of the Plan include habitat protection and enhancement, fish population assessment and monitoring, and education/outreach measures to benefit westslope cutthroat trout *Oncorhynchus clarki lewisi* and bull trout *Salvelinus confluentus* in the Project area and/or wild rainbow trout *Oncorhynchus mykiss* in the Spokane River downstream of the Post Falls HED. The Plan was written in consultation with IDFG, and in accordance with the License, IDFG consulted with IDEQ and the U.S. Fish and Wildlife Service (USFWS) prior to approving the Plan. Avista implemented the Plan upon approval, through December of 2014.

### **2.1 Public Education and Outreach Program - License Article 409**

License Article 409 requires Avista to educate the public about fisheries protection and enhancement measures that can be taken by the public to minimize impacts on native fish and fish habitats. The measures are included in the Coeur d’Alene Lake Fisheries Public Education and Outreach Program (Program), and were implemented through the 2010-2014 Plan (Avista 2010b). Avista consulted with the IDFG, the Coeur d’Alene Tribe and the USFWS as it developed the Program, which was approved by FERC on December 6, 2010.

### **2.2 Selection Priorities and Evaluation Criteria**

Avista, in consultation with the IDFG, IDEQ and the USFWS developed general selection criteria for all projects and measures implemented through the Plan.

The General Selection Criteria include the following:

- Projects or actions that are associated with the Post Falls HED for bull trout and/or westslope cutthroat trout in the Coeur d’Alene Lake basin, and/or wild rainbow trout in the Spokane River downstream of the Post Falls Dam;

- Projects or actions having significant potential to restore or enhance habitat for adfluvial bull trout and/or adfluvial westslope cutthroat trout in the Coeur d'Alene Lake basin, or wild rainbow trout populations in the Spokane River;
- Projects that enhance benefits for multiple native salmonid species;
- Projects or actions that have significant potential to restore or enhance habitat for bull trout and/or westslope cutthroat trout;
- Projects that provide for recreational fishery enhancements and evaluation;
- Projects consistent with existing management and recovery plans; and
- Other programs or actions deemed appropriate as agreed by the cooperating parties.

Potential projects that are selected using the above General Selection Criteria were further prioritized using the Fishery Project Ranking Criteria, which is included as Appendix A. The Fishery Project Ranking Criteria were used to numerically rank and prioritize project proposals for relative importance and consistency with the Plan. Priority was given to projects that enhance benefits for multiple native salmonids, with fewer but more effective efforts preferred over a larger number of activities that may not be financially or logistically sustainable. Public education and outreach measures were also prioritized.

### **2.3 Prioritized Measures**

Prioritization was based on an understanding of the baseline information, the known presence of contaminated sediments, consistency with current management and recovery plans (USFWS 2002a, 2010; IDFG 2013a, 2013b), and the most urgent need for fishery protection and enhancement (FERC 2007; McIntyre and Rieman 1995; PBATT 1998; Rich 1992; Weitkamp 2008; 2003; Kleinshmidt 2004). Avista, IDFG, IDEQ, and the USFWS evaluated, prioritized, and selected potential projects according to the ranking and evaluation criteria identified in the Plan.



## **2.4 Annual Work Plans**

Avista consulted with IDFG, IDEQ, and USFWS as it developed Annual Work Plans (AWP) during the first quarter of each year. This schedule allowed for implementation to begin by March 30<sup>th</sup> of each year.

The AWP's provided the details for the measures that were implemented within the specified calendar year. The AWP's included the purpose, goals and objectives, specific tasks, schedules, budgets, funding sources, and management activities for each project. Project budgets identified anticipated expenditures, cost share commitments or other secured funding sources. Avista implemented the projects following: approval from the IDFG, IDEQ, and the USFWS; securing the necessary funding; establishing partnerships with other agencies if necessary; obtaining necessary permits; and completing Endangered Species Act (ESA) consultation, if required. Changes to the AWP's occurred, if agreed to by IDEQ, USFWS, IDFG and Avista. Additionally, measures identified in the Coeur d'Alene Lake Fisheries Public Education and Outreach Program were approved and implemented annually as a component of the Plan.

## **2.5 Threatened and Endangered Species**

During the Spokane River Project relicensing process FERC consulted with the USFWS in regard to threatened or endangered species and their critical habitats that may be affected by the Post Falls HED. FERC submitted its initial biological assessment to the USFWS on January 31, 2007 (FERC 2006). On July 31, 2008 the USFWS concurred with FERC that issuance of new License is "not likely to adversely affect" bull trout or bull trout critical habitat (USFWS 2008). On October 18, 2010, the USFWS issued a final rule for the revised designation of critical habitat for bull trout that included Coeur d'Alene Lake, the Coeur d'Alene River, the St. Joe River and selected tributaries as critical habitat for bull trout (USFWS 2010).

Appendix A of the License also requires IDFG to consult with the USFWS regarding the Plan and states that within the first five years after the new License becomes effective, Avista will implement at least one enhancement project that benefits bull trout habitat. Two projects were implemented during the 2010 – 2014 period to benefit bull trout habitat and satisfy the License condition. The first project was the Native Salmonid Habitat Protection Project, which secured over 17 acres of cold water refuge habitat along the North Fork of the Coeur d'Alene River for

conservation purposes. This section of the Coeur d'Alene River was designated as critical habitat for bull trout in the 2010 revised designation, so this conservation action met the Plan goal to benefit bull trout habitat. The second project was the Marble Creek Splash Dam Fish Passage Project, which was also developed and approved by the USFWS to improve bull trout habitat, following its revised designation of critical habitat that includes Marble Creek as critical habitat for bull trout. Details of each of these two projects are available in Section 4.

### **3.0 FIVE-YEAR SUMMARY REPORT**

As specified in Appendix A, Exhibit 1 of the License, Avista is required to prepare five-year fishery protection and enhancement plan summary reports (Summary Reports) that document implementation of the measures described in the Plan, the overall results achieved during the previous five years, and the general nature of the activities that will be implemented during the next five-year period. The Summary Reports also track project funding, which is provided in accordance with Appendix A, Section VIII.A of the License, and is to be used to pay for work by Avista, IDFG, or their contractors for the planning, implementing, or reporting components of this condition. The Summary Reports are to be submitted to IDFG and IDEQ within six months following each five-year reporting period, which began on May 18, 2010.

#### **3.1 Consultation**

To implement the measures identified in the Plan in an on-going but annual basis, Avista developed AWP's, which were reviewed and approved by the IDFG, IDEQ, USFWS and Avista (Consulting parties). The Consulting Parties' representatives include:

<b>IDFG</b>	Jim Fredericks
<b>IDEQ</b>	Robert Steed
<b>USFWS</b>	Scott Deeds/Bryon Holt
<b>AVISTA</b>	Tim Vore

#### **3.2 Implementation Meetings and Approved Annual Work Plans**

Over the course of the five-year period project tasks were identified, approved and included in the AWP's by the Consulting Parties during meetings that were typically held in January or February. The Consulting Parties met to identify, discuss, and prioritize specific projects, project budgets, and the tasks that were to be accomplished during the year. Project accomplishments, results and any new information were reviewed annually to help guide future tasks. This process allowed for implementation of multi-year projects, which most are, and for adaptive management of project tasks, which allowed for efficient and cost effective results. Draft AWP's were distributed to the Consulting Parties for review and approval by March 30<sup>th</sup> of each year, with

implementation beginning upon their approval. Table 1 includes the list of projects that were completed during the 2010-2014 time period.

**Table 1. Annual Projects That Were Implemented During the 2010-2014 Time Period**

<b>Activity Year(s)</b>	<b>Approved Annual Projects</b>
2010	<ol style="list-style-type: none"> <li>1. Fisheries Public Education and Outreach Program (kiosk/brochures)</li> <li>2. Marble Creek Splash Dam Fish Passage Project</li> </ol>
2011	<ol style="list-style-type: none"> <li>1. Fisheries Public Education and Outreach Program (kiosk/brochures)</li> <li>2. Marble Creek Splash Dam Fish Passage Project</li> <li>3. Coeur d'Alene River Side Channel Protection Project-Katie James Conservation Easement</li> </ol>
2012	<ol style="list-style-type: none"> <li>1. Fisheries Public Education and Outreach Program (kiosk/brochures)</li> <li>2. Marble Creek Splash Dam Fish Passage Project</li> <li>3. Coeur d'Alene River Side Channel Protection Project-Katie James Conservation Easement</li> </ol>
2013	<ol style="list-style-type: none"> <li>1. Fisheries Public Education and Outreach Program (kiosk/brochures)</li> <li>2. Marble Creek Splash Dam Fish Passage Project</li> <li>3. Native Salmonid Habitat Protection Project*-Katie James Conservation Easement</li> <li>4. Recreation Fishery Project-Spicer Pond</li> </ol>
2014	<ol style="list-style-type: none"> <li>1. Fisheries Public Education and Outreach Program (kiosk/brochures)</li> <li>2. Marble Creek Splash Dam Fish Passage Project</li> <li>3. Native Salmonid Habitat Protection Project-Katie James Conservation Easement</li> <li>4. Recreation Fishery Project-Spicer Pond</li> </ol>

\* The Coeur d'Alene River Side Channel Protection Project was re-named the Native Salmonid Habitat Protection Project

## **4.0 ANNUAL IMPLEMENTATION**

Avista, together with the IDFG, USFWS, and IDEQ completed four projects during the 2010-2014 period. The overall results achieved through each Program are detailed below.

### **4.1 Coeur d'Alene Lake Fisheries Public Education and Outreach Program**

The purpose of the Coeur d'Alene Lake Fisheries Education and Outreach Program is to increase the public's understanding and appreciation of native fish and their habitats, and to educate the public on how to minimize their impacts on fish and fish habitat. Additionally, the program is intended to educate the public about fishery protection and enhancement measures that Avista implements at the Post Fall HED.

To help achieve the purpose of the Program, Avista supports educational programs that inform the public with consistent messages in the Coeur d'Alene Lake basin. More specifically, Avista provides IDFG with technical and financial support and assistance to develop, distribute and maintain kiosks, signs, bulletin boards, and brochures. Additionally, Avista helps develop outreach materials that describe License measures implemented at the Post Falls HED to protect and enhance native fish and their habitat.

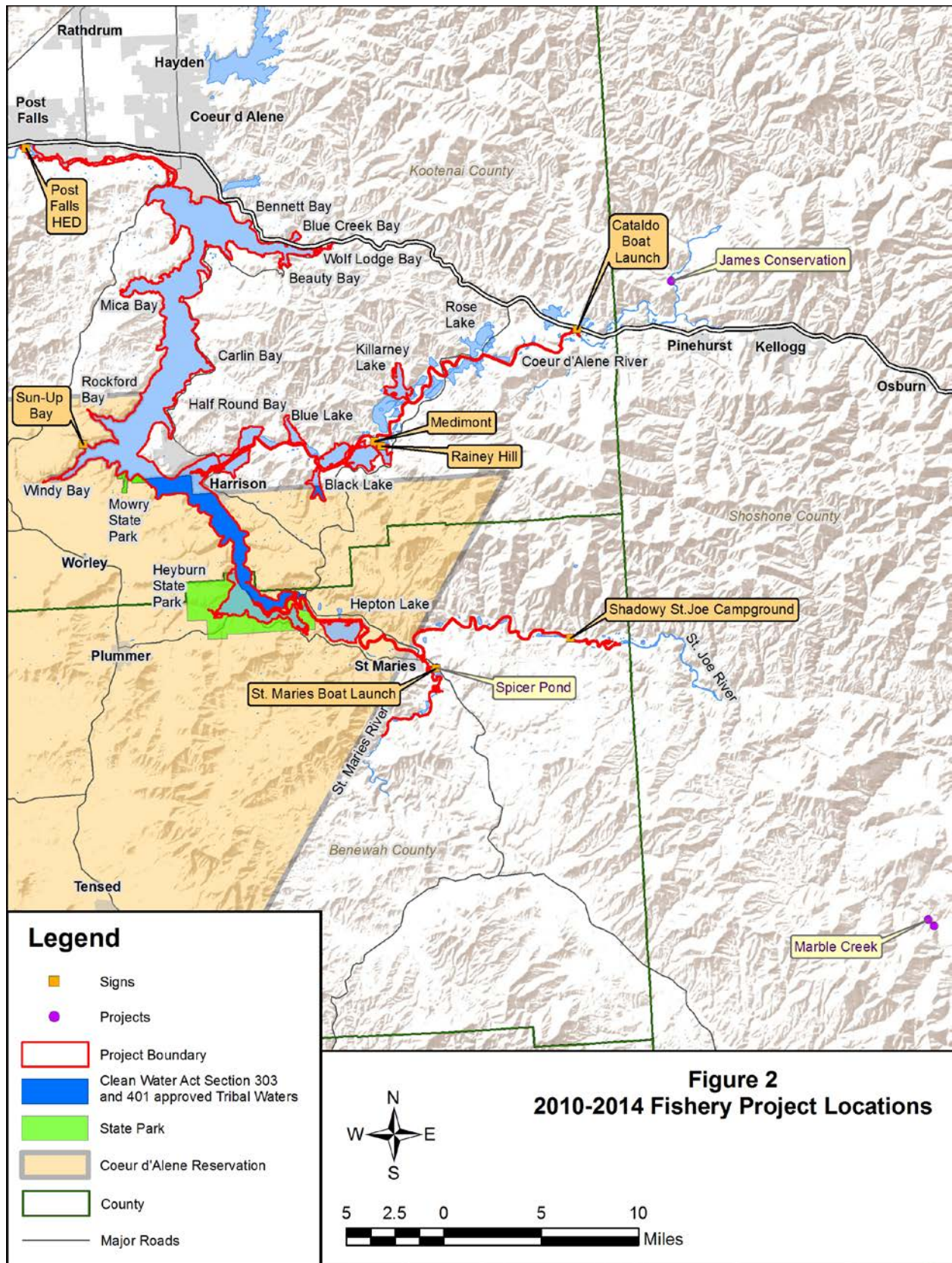
Collectively, the measures implemented under this Program are intended enhance multiple native salmonid species, (i.e., bull trout, westslope cutthroat trout in the Lake and tributaries, and wild rainbow (redband) trout in the Spokane River downstream of the Post Falls HED) associated with the Post Falls HED. Relevant messages address Avista's fisheries protection and enhancement measures, species identification, conservation biology, habitat protection, landowner assistance, and angling information.

#### **Education and Outreach Projects**

Projects that were implemented under the Program were approved each year and are identified below. Costs associated with the various education and outreach projects are included in Table 2.

## Kiosks/Brochures

In accordance with the Program, Avista worked with the Consulting Parties to install a kiosk at the Cataldo boat launch site and bulletin boards at the Medimont and Rainy Hill sites on the Coeur d'Alene River (Figure 2). Additionally, the Spokane River Drainage brochure was revised and 1,100 copies were printed and distributed to local outlets in April of 2011. Similar kiosks were constructed at IDFG's Steamboat Catch-Out Pond, located near the Katie James Conservation Easement, and at the U.S. Forest Service (USFS) Shadowy St. Joe Campground in 2012.



A bull trout identification sign and fish bulletin board was installed at the Sun-Up-Bay boat launch on Coeur d'Alene Lake in 2013 (Figure 3). Another fish identification sign and kiosk were installed at the St. Maries River boat launch, and the Spokane River Drainage brochure was again revised, with 1,200 copies distributed in 2014. The signs, kiosks and bulletin boards were monitored and maintained annually by IDFG, and the materials were updated as necessary over the five-year period.



Figure 3. Information Bulletin Board at Sun-Up-Bay Boat Launch, Coeur d'Alene Lake, ID.

### Outreach Messages

Public outreach messages about Avista's Post Falls HED operations, annual drawdowns, water level changes, and Spokane River flows were dispersed as appropriate over the five-year period.



Additionally, various issues of the Spokane River News, a quarterly Avista news letter that is distributed to the public, featured articles on Spokane River Project operations, Spokane River flows, water levels in Lake Coeur d’Alene, how the public can help to prevent the spread of invasive aquatic species, and how Avista was working to help control weeds in Coeur d’Alene Lake. News letter articles also featured the Katie James Conservation Easement, the Marble Creek Splash Dam Fish Passage Project, and a Post Falls down-ramping rate evaluation conducted by Avista in 2012. Construction of the Spicer Fishing Pond, located near St. Maries, ID, and the Marble Creek Splash Dam Fish Passage Project were highlighted in the 2014 fall issue.

**Table 2. Public Education and Outreach Project Costs**

<b>Budget</b>	<b>Public Education and Outreach Project</b>
\$2,507	Kiosk and sign.
\$3,634	Kiosk, signs and bulletin boards.
\$3,900	Kiosk, signs and brochures.
<b>\$10,041</b>	<b>Total budget expended 2010-2014.</b>

#### **4.2 Marble Creek Splash Dam Fish Passage Project**

The purpose of the Marble Creek Splash Dam Fish Passage Project was to provide passage for adfluvial and fluvial native westslope cutthroat trout and bull trout to the high quality habitat located in Upper Marble Creek, a tributary to the St. Joe River. The splash dams created barriers that prevented bull trout and westslope cutthroat trout from moving into several streams, most notably Delaney Creek, Freezeout Creek, Duplex Creek and upper Marble Creek (Figure 4). The splash dams are located outside of the Post Falls HED Project boundary, on U. S. Forest Service (USFS) property, which required a special use agreement. The project included developing alternatives to provide fish passage past splash dams No. 2 and No. 3, while maintaining the historical significance of the area. Costs associated with the Marble Creek Fish Passage Project are included in Table 3.



Figure 4. Upper Marble Creek Splash Dam, Summer 2012.

#### Assessment/Surveys/Cultural Resource Assessment

Splash dams No. 2 and No. 3 were visited by the USFS, IDFG, Inter-fluve Inc., Plateau Archaeological Investigations, and Avista in August of 2010 to determine if the dams still prevented fish passage. The consensus of the group was that the dams prevented upstream fish passage and that partial removal would be required to provide upstream fish passage. Later that year, USFS engineers determined that dams No. 2 and No. 3 were sound and that they expected them to remain for many years. Survey information was gathered and photographs were taken in 2010 to begin documenting the two dams.

Inter-fluve Inc., completed a technical memorandum that included engineered passage options for each dam (Inter-fluve 2011). After reviewing the technical passage options, the Consulting Parties, and USFS biology and heritage staff, visited the site in 2011 to discuss the preferred option. Following the agreement of the Consulting Parties and the USFS, Avista hired a professional contractor to prepare a work proposal to perform the fish passage project.

Cultural resource site inventory forms and evaluation reports were also completed in 2011, and the USFS submitted its determination of effects to the Idaho State Historic Preservation Office

(SHPO). The SHPO concurred with the USFS’s determination of effects and required mitigation in order to move forward with the project. Avista subsequently hired a survey team to record the dams using LIDAR. The USFS used the LIDAR and other information that was collected to prepare and document the history of the splash dams, which can be viewed on their web site: [www.fs.usds.gov/detail/ipnf/learning/history-culture/?cid=STELPRD3799740](http://www.fs.usds.gov/detail/ipnf/learning/history-culture/?cid=STELPRD3799740). Completion of the LIDAR survey and the web site fulfilled SHPO’s mitigation requirements.

National Environmental Policy Act (NEPA) work was coordinated by Avista and the USFS and the project was scoped for public input in 2012. Public comments were received and addressed in 2013 and 2014 by the USFS.

Project Completion

The fish passage project was successfully completed by removing portions of the two splash dams following the approved scope of work, to the benefit of both bull trout and westslope cutthroat trout (Figure 5). Follow-up assessments indicate the project was successful. This project fulfilled the Plan’s requirement to complete at least one project to benefit bull trout habitat during the five-year period.

**Table 3. Marble Creek Splash Dam Fish Passage Project Costs**

<b>Budget Summary</b>	<b>Marble Creek Splash Dam Fish Passage Project</b>
\$14,456	Site survey.
\$29,456	Project alternatives development.
\$16,450	Cultural LIDAR survey.
\$9,919	Forest Service NEPA.
\$76,860	Implement fish passage.
<b>\$147,141</b>	<b>Total budget expended 2010-2014.</b>



Figure 5. Upper Marble Creek Splash Dam after the Passage Breach, Summer 2014.

### **4.3 Native Salmonid Habitat Protection Project**

The purpose of Native Salmonid Habitat Protection Project is to enhance multiple native salmonid species and their habitat through tributary habitat conservation and enhancement. To achieve the project purpose, Avista and the Consulting Parties pursued conservation easements and fee title acquisition of key habitat for native fish in the Post Falls HED area.

The IDFG surveyed the North Fork of the Coeur d'Alene River for key adfluvial westslope cutthroat trout habitat in 2007 (IDFG 2007). This survey identified several privately owned properties that contained cold water refuge areas important for native trout summer survival.

#### **Katie James Conservation Easement**

IDFG initiated conversations with Katie James in 2010, a private property owner, with land containing a significant amount of cold water refuge habitat along the North Fork of the Coeur d'Alene River (Figure 6). Avista and IDFG had an appraisal and survey completed in 2012, and then used Project funds to secure a conservation easement on 17.7 acres of her property in

perpetuity. Of additional importance, the USFWS's 2010 final rule determined the North Fork of the Coeur d'Alene River was critical habitat for bull trout. As such, this project also fulfilled the Plan's requirements to complete at least one project to benefit bull trout habitat within the five-year period.



Figure 6. Cold Water Refuge on the Katie James Conservation Easement, Summer 2012.

The conservation easement is located outside of the Post Falls HED Project boundary and is maintained and monitored annually by the IDFG, with monitoring results and easement standings provided to Avista to ensure compliance with the purpose of the conservation easement. Monitoring in 2013 and 2014 identified invasive weeds, including reed canary grass, tanzie, and knapweed prevalent on the property. With the landowner's permission, two chemical treatments were conducted to reduce the invasive weeds in 2014. Costs associated with this project are included in Table 4.

#### Lambros Property

Avista and the IDFG negotiated with John Lambros, a private land owner, to acquire key side channel habitat located immediately adjacent to the Katie James property discussed above beginning in 2011 and continuing into 2012. An appraisal was completed and property

boundaries were surveyed, however, after repeated attempts to negotiate a reasonable price for the property, Mr. Lambros decided not to sell.

**Table 4. Native Salmonid Habitat Protection Project-Katie James Conservation Easement Project Costs**

Budget Summary	Native Salmonid Habitat Protection Project
\$162,509	Katie James Conservation Easement.
\$3,500	Conservation Easement Invasive Weed Treatment.
<b>\$166,009</b>	<b>Total budget expended 2010-2014.</b>

#### **4.4 Recreation Fishery Project**

The purpose of the Recreation Fishery Project is to provide recreational angling opportunities near the Post Falls HED area and to help reduce risks to native fish species as described in the Plan. The projects also provide reasonable public access to the Post Falls HED area and catch-out pond creation and maintenance.

##### Spicer Pond

An old and unmaintained fishing pond, locate on IDFG property adjacent to the St. Maries River near the town of St. Maries, ID had become overgrown and no longer functioned as a catch-out-pond. The IDFG proposed, and the Consulting Parties ranked and approved a project, to reconstruct this pond to provide family fishing opportunities. This project was completed in conjunction with a wetland restoration project that was performed on adjacent property by the IDFG.

The IDFG prepared site drawings in 2013 and entered into an access agreement with Avista. Construction of the catch-out pond began in 2013 using project funds. Final construction, including site grading, re-vegetation, and installation of information kiosks was completed in the spring of 2014 (Figure 7). Figure 8 shows the area map that was developed through the Coeur d’Alene Lake Fisheries Education and Outreach Program and installed in the kiosk. Spicer Pond

is maintained by IDFG as an Idaho State Family Fishing Water site. Costs associated with Spicer Pond are included in Table 5.

**Table 5. Recreation Fishery Project-Spicer Pond Project Costs**

Budget Summary	Recreation Fishery Project
\$269,840	Spicer Pond Construction.
<b>\$269,840</b>	<b>Total budget expended 2010-2014.</b>



Figure 7. Spicer Pond Construction and Information Kiosk, Summer 2014

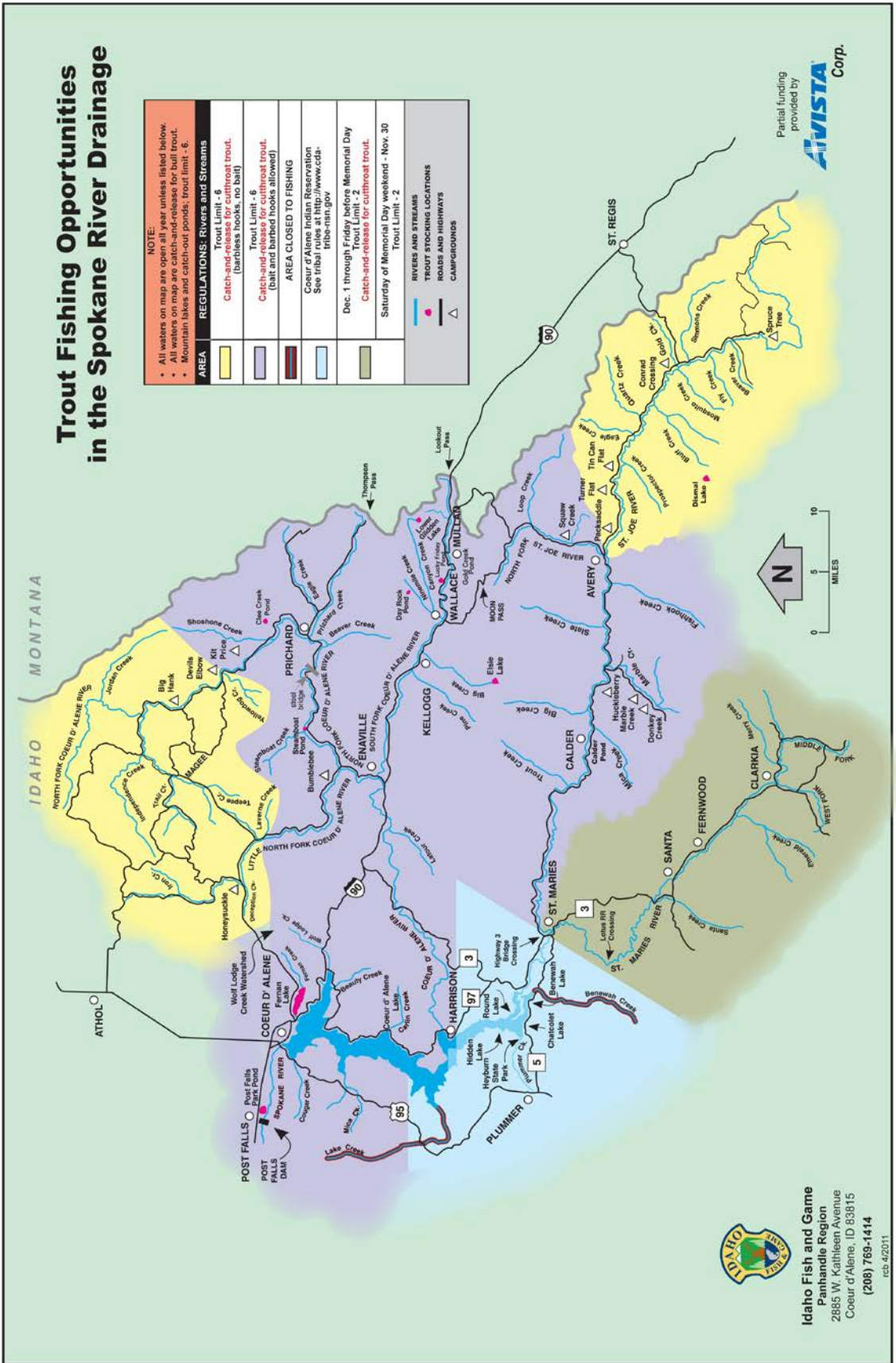


Figure 8. Detail of the Kiosk Area Map



## 5.0 POTENTIAL PROTECTION AND ENHANCEMENT ACTIONS

Avista, in cooperation with the Consulting Parties, will continue to implement projects over the upcoming five-year period from 2015 through 2019 under the guidance of the approved 2015-2019 Five-Year Fishery Protection and Enhancement Plan. Specific details and tasks of each project will be outlined in the AWP that are approved by the Consulting Parties, and according to the Plan's guidelines. To allow for adaptive management and cost effectiveness, projects may be modified, changed or extended depending on the results achieved, as new information is obtained, or as new opportunities arise. New and/or additional projects will be ranked according to the Plan's General Selection Criteria and prioritized using the Fishery Project Ranking Criteria, for fishery protection and enhancement. The general nature of the actions to be performed through the Plan include:

### *Coeur d'Alene Lake Fisheries Public Education and Outreach Program*

This program is intended to educate and inform the public about fishery measures implemented at the Post Falls HED and about the measures to minimize public impacts on native fish. Actions include maintenance and revision of the existing signs, kiosks, bulletin boards, revising and printing the Spokane River Drainage brochure and other updates as appropriate. Specific tasks and the budgets will be identified, evaluated, and approved in subsequent AWPs.

### *Native Salmonid Habitat Protection and Enhancement Project*

These projects will benefit adfluvial and fluvial native salmonid westslope cutthroat trout, bull trout and other species through the protection and conservation of key habitat. An active search to identify potential properties for easements or restoration opportunities will be pursued as appropriate. Specific tasks and the budgets will be identified, evaluated, and approved in subsequent AWPs.

### *Recreation Fishery Project*

These projects are expected to provide recreational angling opportunities and reasonable public access near the Post Falls HED area. These include activities associated with catch-out-ponds and fish stocking to help provide alternative angling opportunities that do not conflict with native salmonid restoration efforts or the requirements of federally listed species. The AWPs will include stocking trout into Spicer Pond, Steamboat Pond and Falls Park Pond. Specific tasks and the budgets will be identified, evaluated, and approved in subsequent AWPs.

*Fishery Assessment and Monitoring Project*

These projects benefits adfluvial and fluvial native salmonid westslope cutthroat trout, bull trout and other species through research, evaluation and monitoring of habitat and/or populations. Assessment or monitoring actions to identify specific resource protection or enhancement projects may be pursued. Specific tasks and the budgets will be identified, evaluated, and approved in subsequent AWP.

## 6.0 BUDGET SUMMARY

In accordance with Appendix A, Section VIII Avista provides \$150,000.00 annually to implement the measures included in the Fishery Protection and Enhancement Plan, and has since 2009. The 2009 through 2010 budget summary is shown in Table 6. (Note: Dollars were not being expended until IDFG approved the 2010-2014 Five Year Fishery Protection and Enhancement Plan in 2010.)

**Table 6. 2009-2014 Fishery Protection and Enhancement Plan Budget Summary**

Year	2009	2010	2011	2012	2013	2014
<b>Funding Obligation*</b>	\$150,000	\$151,376	\$152,223	\$154,019	\$157,731	\$160,302
Carryover Dollars	\$ 0	\$151,376	\$289,143	\$411,199	\$387,057	\$349,721
GDP	0.92%	0.56%	1.18%	2.41%	1.63%	1.49%
GDP Amount	\$1,376	\$848	\$1,796	\$3,712	\$2,571	\$2,389
<b>Available Funding</b>	<b>\$151,376</b>	<b>\$303,599</b>	<b>\$443,162</b>	<b>\$568,930</b>	<b>\$547,359</b>	<b>\$512,412</b>
<b>Expenditures</b>						
Inter-Fluve		\$14,455.65	\$29,456.35			
Alexander Clark Printing			\$510.79			
Shenango			\$299.09	\$2,914.44	\$720.28	\$3,900.00
Fed Ex			\$1,697.48			
DJ&A (Marble Creek)				\$16,450.00		
Katie James Easement				\$162,509.00		
Waldo Construction (St. Maries Pond)					\$186,998.00	\$82,842.00
Ryno Works (Marble Creek)						\$76,860.00
USFS Inv#3000773686 (Marble Creek)					\$9,919.32	
Lakeland Restorations (Katie James – Weeds)						\$3,500.00
<b>Total Expenditures</b>	<b>\$ 0</b>	<b>\$14,456</b>	<b>\$31,964</b>	<b>\$181,873</b>	<b>\$197,638</b>	<b>\$167,102</b>
<b>Carryover Dollars</b>	<b>\$151,376</b>	<b>\$289,143</b>	<b>\$411,199</b>	<b>\$387,057</b>	<b>\$349,721</b>	<b>\$345,310</b>

\*Note: Funding base year = 2008, escalation effective January 1 of each following year (starting in January 2008)

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## APPENDIX A

### Fishery Project Ranking Criteria (17 total points) Five-Year Fishery Protection and Enhancement Plan

#### Project and Total Points:

#### Reviewer (IDFG, IDEQ, Avista, USFWS):

- Area enhancement project will encompass (3 points):
  1. Direct association to Post Falls HED\* (3 pts).
  2. Within Post Falls HED FERC Project boundary (2 pts).
  3. Adjacent to HED Project boundary-within basin (1 pt).
  4. Not in HED Project basin (project ineligible).
- Fish species (i.e. resources) that are expected to benefit from the project (4 points):
  1. Multiple species - Adfluvial bull trout and westslope cutthroat trout (above Post Falls HED) (4 pts).
  2. Single species – Adfluvial bull trout, westslope cutthroat or fluvial redband rainbow trout (Spokane R. below Post Falls HED) (3 pts).
  3. Fluvial or resident westslope cutthroat trout (2 pts).
  4. Indirect benefit to native fish\* (1 pt).
  5. No native fish species will benefit (project ineligible).
- Expected benefits relative to cost (2 points):
  1. Project benefits exceed costs (2 pts).
  2. Project benefits about equal to cost (1 pt).

3. Project costs exceed benefits (project ineligible).
- Project consistency with existing fishery management/recovery plans (2 points):
    1. Project is consistent with existing fishery management plans, recovery plans, and/or designated beneficial uses (2 points).
    2. Project is not consistent with existing fishery management or recovery plans goal and objectives (Project ineligible).
  - Cost sharing or in-kind services (2 points): Percent of the project that will be funded from other (non Avista funding) revenue sources and/or in-kind services.
    1. Greater than or equal to 25% of the total project cost (2 points).
  - Project provides recreational benefit (2 points):
    1. Project provides direct recreational benefit for native species or improves conditions for native species (2 pts).
    2. Project provides recreational benefits, without direct benefit to native species (1 pt).
  - Project has monitoring component (2 points):
    1. Project has well defined monitoring component that will help determine effectiveness (2 pts).

\* *Foot Notes:*

*Directly associated with the Project:*

- a) *Refers to fishery protection and enhancement projects that lie within or immediately adjacent to the FERC Project boundary, or*
- b) *Fishery protection and enhancement projects for migratory fish that spend a portion of their life cycle within the Project boundary.*

*Native fish species are: bull trout, westslope cutthroat trout, wild rainbow trout*

**APPENDIX B**  
**Consultation Record**



## Avista's Letter to the Idaho Department of Fish and Game

The Avista logo features the word "AVISTA" in a bold, sans-serif font. The letter "A" is stylized with a white cross-like shape inside a dark blue square. The rest of the word "VISTA" is in white on a dark blue background.

1411 East Mission Avenue  
PO Box 3727  
Spokane, WA 99220-3727

April 9, 2015

Jim Fredericks  
Idaho Department of Fish and Game  
2750 Kathleen Ave  
Coeur d'Alene, ID 83814

**Subject: Spokane River Project, FERC Project No. 2545  
2010 – 2014 Five-Year Fishery Protection and Enhancement Plan Summary  
Report**

Dear Mr. Fredericks:

Avista, in accordance with the Federal Energy Regulatory Commission's (FERC) Spokane River Hydroelectric Project (FERC Project No. 2545) License, implemented the first Five-Year Fishery Protection and Enhancement Plan (Plan) between 2010 and 2014. The Plan was developed in accordance with the License, which incorporated the Idaho Department of Environmental Quality (IDEQ) Certification under Section 401 of the Federal Clean Water Act as Appendix A. Appendix A, Section VII, Exhibit 1 (C) of the License states that Avista will prepare and submit five-year fishery protection and enhancement plan summary reports to the Idaho Department of Fish and Game (IDFG) and IDEQ at the end of each five-year reporting period.

Avista has prepared the enclosed 2010 – 2014 Five-Year Fishery Protection and Enhancement Plan Summary Report to document implementation of the measures described in the Plan. Avista is submitting the enclosed report to IDFG for your records.

If you have any questions, please feel free to contact me by telephone at (509) 495-8612 or by email at [tim.vore@avistacorp.com](mailto:tim.vore@avistacorp.com).

Sincerely,

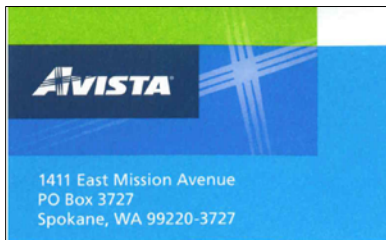
A handwritten signature in black ink that reads "Tim Vore". The signature is written in a cursive, slightly slanted style.

Tim Vore  
Environmental Specialist

Enclosure

cc: Robert Steed, IDEQ  
Scott Deeds, FWS  
Speed Fitzhugh, Avista

## Avista's Letter to the Idaho Department of Environmental Quality



April 9, 2015

Robert Steed  
Idaho Department of Environmental Quality  
2110 Ironwood Parkway  
Coeur d'Alene, ID 83814

**Subject: Spokane River Project, FERC Project No. 2545  
2010 – 2014 Five-Year Fishery Protection and Enhancement Plan Summary  
Report**

Dear Mr. Steed:

Avista, in accordance with the Federal Energy Regulatory Commission's (FERC) Spokane River Hydroelectric Project (FERC Project No. 2545) License, implemented the first Five-Year Fishery Protection and Enhancement Plan (Plan) between 2010 and 2014. The Plan was developed in accordance with the License, which incorporated the Idaho Department of Environmental Quality (IDEQ) Certification under Section 401 of the Federal Clean Water Act as Appendix A. Appendix A, Section VII, Exhibit 1 (C) of the License states that Avista will prepare and submit five-year fishery protection and enhancement plan summary reports to the Idaho Department of Fish and Game (IDFG) and IDEQ at the end of each five-year reporting period.

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If you have any questions, please feel free to contact me by telephone at (509) 495-8612 or by email at [tim.vore@avistacorp.com](mailto:tim.vore@avistacorp.com).

Sincerely,

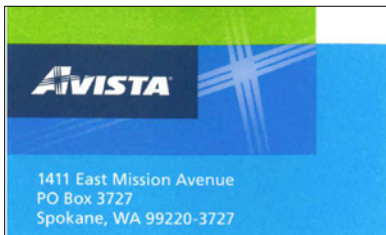
A handwritten signature in black ink that reads "Tim Vore".

Tim Vore  
Environmental Specialist

Enclosure

cc: Jim Fredericks, IDFG  
Scott Deeds, FWS  
Speed Fitzhugh, Avista

## Avista's Letter to the U. S. Fish and Wildlife Service



April 9, 2015

Scott Deeds  
U.S. Fish & Wildlife Service  
11103 E. Montgomery Drive, Suite 2  
Spokane, WA 99206

**Subject: Spokane River Project, FERC Project No. 2545  
2010 – 2014 Five-Year Fishery Protection and Enhancement Plan Summary  
Report**

Dear Mr. Deeds:

Avista, in accordance with the Federal Energy Regulatory Commission's (FERC) Spokane River Hydroelectric Project (FERC Project No. 2545) License, implemented the first Five-Year Fishery Protection and Enhancement Plan (Plan) between 2010 and 2014. The Plan was developed in accordance with the License, which incorporated the Idaho Department of Environmental Quality (IDEQ) Certification under Section 401 of the Federal Clean Water Act as Appendix A. Appendix A, Section VII, Exhibit 1 (C) of the License states that Avista will prepare and submit five-year fishery protection and enhancement plan summary reports to the Idaho Department of Fish and Game (IDFG) and IDEQ at the end of each five-year reporting period.

Avista has prepared the enclosed 2010 – 2014 Five-Year Fishery Protection and Enhancement Plan Summary Report to document implementation of the measures described in the Plan. Avista is submitting the enclosed report to the U.S. Fish and Wildlife Service for your information.

If you have any questions, please feel free to contact me by telephone at (509) 495-8612 or by email at [tim.vore@avistacorp.com](mailto:tim.vore@avistacorp.com).

Sincerely,

A handwritten signature in black ink that reads "Tim Vore". The signature is written in a cursive, slightly slanted style.

Tim Vore  
Environmental Specialist

Enclosure

cc: Jim Fredericks, IDFG  
Robert Steed, IDEQ  
Speed Fitzhugh, Avista