Habitat Improvement Program Biological Opinion
2013/9724
01EOFW00-2013-F-0199
2013 Annual Monitoring Report

Bonneville Power Administration
Portland, Oregon
February 19th, 2014

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NMFS No. 2013/09724
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This is the first annual monitoring report required under the Habitat Improvement Program III Biological Opinion (HIP III). This report generally summarizes activities completed in calendar year 2013 and reports on the incidental take resulting from those activities. There is also information on 2012 activities not included in the 2012 Activities Annual Report because Project Completion Forms (PCF) were received too late for inclusion in that year's report. These late PCFs would not have significantly altered the outcome of last year's incidental take reporting.

Background

Consultation Summary

The Habitat Improvement Program is carried out according to the BPA's authority under the Pacific Northwest Electric Power Planning and Conservation Act of 1980 (Public Law 96-501) throughout the Columbia River basin to mitigate for the effects of the Federal Columbia River Power System on fish, wildlife, and their habitat.

The National Oceanic and Atmospheric Administration's National Marine Fisheries Service (NMFS) previously issued two 5-year Biological Opinions (BOs) and Essential Fish Habitat (EFH) consultations on the effects of BPA's Habitat Improvement Program on federally listed anadromous salmon and steelhead on August 1st 2003 (NMFS No. 2003/00750) and January 10, 2008 (NMFS No. 2007/03996).

On July 2, 2012, the BPA submitted a new BA to NMFS and re-initiated formal consultation for the Habitat Improvement Program -. A third BO (HIP III) was signed on March 21, 2013 (NMFS No. 2013/09724) to cover 2013 and into the future until such time consultation is reinitiated by either BPA or NMFS.

On July 27, 2013, the United States Fish and Wildlife Service (USFWS) received a BA for initiating formal consultation on the HIP III proposed action. The initial BA addressed effects of the proposed action on the federally threatened bull trout (*Salvelinus confluentus*) and threatened Oregon chub (*Oregonichthys crameri*).

Upon review of the initial BA by the USFWS's Oregon Fish and Wildlife Office, a recommendation was made to BPA to include federally listed and proposed wildlife and plant species in the consultation. BPA agreed to the request and the USFWS offered to help develop project design criteria and conservation measures for wildlife and plants to minimize the proposed action's effects. A final BA amendment from BPA was received by the USFWS on August 26, 2013 that analyzed the effects of the action on terrestrial species.

On September 20, 2013, USFWS submitted a draft final BO to BPA. BPA's comments on the

draft BO were received by USFWS on October 21, 2013, and a final BO (USFWS No. 01EOFW00-2013-F-0199) was signed by the USFWS on November 8, 2013.

Activities Authorized under the HIP II & HIP III BO

The HIP II BO authorized nine categories and 30 subcategories of habitat improvement actions, while the HIP III BO authorizes 31 habitat improvement activities in nine categories. BPA has removed some categories considered to have no effect and added activities that are new to HIP such as piling removal, low flow consolidation, headcut and grade stabilization, boulder structures, engineered logjams, and channel reconstruction. These added activities have allowed project sponsors to submit for coverage 52 actions that would have previously required individual BA submittals. The number of submissions The number of projects submitted in 2013 under the respective HIP BOs are listed in Tables 1 and 2. Because the HIP III was not signed until March 2013 many projects were submitted for coverage under the previous HIP II BO. The number of actions covered under the HIP III in 2013 may seem low compared to previous years, but is similar when accounting for the compressed timeframe.

Table 1. Activities authorized under the HIP II BO submitted for coverage in 2013. Some projects proposed to utilize more than one category/subcategory of action. Category totals are bold.

Category	Subcategory	Actions
Surveying, Construction, Operation, and Maintenance Activities		**10**
Planning and Habitat Protection Actions		**3**
	Survey Stream Channels, Floodplains, and Uplands; Install Stream Monitoring	3
Devices such as Steamflow and Temperature Monitors		**0**
	Acquire Fee-Title Easement, Enter into Cooperative Agreements, and/or Lease Land and/or Water	0
	Protect Streambanks Using Bioengineering Methods	0
Small-Scale Instream Habitat Actions		**2**
	Install Habitat-Forming Natural Materials Instream Structures (Large Wood, Boulders, and Gravel)	0
	Improve Secondary Channel Habitats	0
	Create Rehabilitate, and Enhance Riparian and Wetland Habitat	1
	Improve Fish Passage	1
	Supplement In-Channel Nutirents	0
Livestock Impact Reduction		**2**
	Construct Fencing for Grazing Control	2
	Install Off-Channel Watering Facilities	0
	Harden Fords for Livestock Crossing of Streams	0
Control of Soil Erosion from Upland Farming		**1**
	Create Upland Conservation Buffers	0
	Implement Conservation Cropping Systems	0
	Stabilize Soils via Planting and Seeding	1
	Implement Erosion Control Practices	0
Irrigation and Water Delivery/Management Actions		**5**
	Convert Delivery System to Drip or Sprinkler Irrigation	1
	Convert Water Conveyance from Open Ditch to Pipeline or Line Leaking Ditches and Canals	1
	Convert from Instream Diversions to Groundwater Wells for Primary Water Sources	0

	Install or Upgrade/Maintain Existing Fish Screens	2
	Consolidate Diversions, or Replace Existing Irrigation Diversion with Pump Station, or Remove Unneeded Diversion Structures	1
	Install or Replace Return Flow Cooling Systems	0
	Install Irrigation Water Siphon Beneath Waterway	0
Native Plant Community Establishment and Protection		**20**
	Plant Vegetation	3
	Manage Vegetation Using Physical Controls	4
	Manage Vegetation Using Herbicides	13
Road Actions		**2**
	Maintain Roads	1
	Maintain, Remove, and Replace Bridges, Culverts, and Fords	1
	Decommission Roads	0
Special Actions		**0**
	Install/Develop Wildlife Structures	0

Table 2. Activities authorized under the HIP III BO and the number of projects that submitted for coverage in 2013. Some projects proposed to utilize more than one category/subcategory of action. Category totals are bold.

Category	Subcategory	Activities	Actions
1. Fish Passage Restoration.			**19**
	A. Profile Discontinuities.		**9**
		a. Dams, Water Control or Legacy Structure Removal.	1
		b. Consolidate, or Replace Existing Irrigation Diversions.	3
		c. Headcut and Grade Stabilization.	3
		d. Low Flow Consolidation.	0
		e. Providing Fish Passage at an Existing Facility.	2
	B. Transportation Infrastructure.		**10**
		f. Bridge and Culvert Removal or Replacement.	8
		g. Bridge and Culvert Maintenance.	0
		h.Installation of Fords.	2
2. River, Stream, Floodplain, and Wetland Restoration.			**33**
		a. Improve Secondary Channel and Wetland Habitats.	6
		b. Set-back or Removal of Existing, Berms, Dikes, and Levees.	2
		c. Protect Streambanks Using Bioengineering Methods.	4
		d. Install Habitat-Forming Natural Material Instream Structures (Large Wood, Boulders, and Spawning Gravel).	11
		e. Riparian Vegetation Planting.	19
		f. Channel Reconstruction.	2
3. Invasive and Non-Native Plant Control.			**47**
		a. Manage Vegetation using Physical Controls.	18
		b. Manage Vegetation using Herbicides.	39
4. Piling Removal.			**0**
5. Road and Trail Erosion Control, Maintenance, and Decommissioning.			**2**
		a. Maintain Roads.	2
		b. Decommission Roads.	0
6. In-channel Nutrient Enhancement.			0
7. Irrigation and Water Delivery/Management Actions.			**17**
		a. Convert Delivery System to Drip or Sprinkler Irrigation.	3
		b. Convert Water Conveyance from Open Ditch to Pipeline or Line Leaking Ditches or Canals.	4

	c. Convert from Instream Diversions to Groundwater Wells for Primary Water Sources.	0
	d. Install or Replace Return Flow Cooling Systems.	1
	e. Install Irrigation Water Siphon Beneath Waterway.	2
	f. Livestock Watering Facilities.	4
	g. Install New or Upgrade/Maintain Existing Fish Screens.	3
8. Fisheries, Hydrologic, and Geomorphologic Surveys.		**18**
9. Special Actions (for Terrestrial Species).		**3**
	a. Install/develop Wildlife Structures.	0
	b. Fencing construction for Livestock Control	1
	c. Implement Erosion Control Practices.	0
	d. Plant Vegetation.	2
	e. Tree Removal for LW Projects.	0

Incidental Take Reporting under the NMFS HIP III BO

The NMFS HIP III BO defines four categories of incidental take based on the likelihood of adverse effects to ESA-listed anadromous salmonids each with their own reinitiation triggers (see also Table 5).

Short-term impacts to water quality (*e.g.*, suspended sediment, temperature, dissolved oxygen demand and contaminants).

The total length of stream reach that is modified by construction each year.

90 projects per year that include near or in-water construction is a threshold for reinitiating consultation.

The visible increase in suspended sediment associated with construction activities.

a. *up to 50 feet from the project area in streams that are 30 feet wide or less;*
b. *up to 100 feet from the discharge point or nonpoint source of runoff for streams between 30 and 100 feet wide;*
c. *up to 200 feet from the discharge point or nonpoint source for streams greater than 100 feet wide; and*
d. *up to 300 feet from the discharge point or nonpoint source for areas subject to tidal or coastal scour.*

Short-term impacts to water quality (e.g., due to application of chemical herbicides).

Up to 1,000 total riparian acres may be treated in a calendar year under this programmatic consultation.

Short-term decreases in function of physical habitat features (*e.g.* floodplain connectivity, natural cover, riparian vegetation, instream flow, stream substrate, space, and safe passage conditions).

No reinitation trigger given in the HIP III

Juvenile fish handling and dewatering during work area isolation.

Capture and/or mortality of listed juvenile salmonids during work area isolation is limited to 7500 captured and 375 injured or killed per calendar year. This is further

broken down by recovery domain. In the Willamette-Lower Columbia (WLC) recovery domain, up to 1,200 juvenile salmonids may be taken and up to 60 may be killed. For the Interior Columbia (IC) recovery domain, 5,925 juvenile fish captured with 296 fish injured or killed per calendar year; and for the Oregon Coast (OC) recovery domain, 375 juvenile fish captured and 19 injured or killed per calendar year.

Results

Project Notification Forms Submitted in 2013

Table 3 lists all project notification forms (PNFs) submitted in 2013 to our reporting system and then to NMFS & USFWS via the e-mail box according to the HIP III BO notification rules. Prior to the signing of the HIP III in March 2013, BPA submitted projects for coverage under the HIP II in 2013. Tables 3a and 3b indicate the number of projects submitted to each field office and habitat branch, respectively. A total of 73 notifications were submitted.

- Twelve of the project notifications listed requested a variance to the HIP III BO. All variance requests were approved.
- Sixteen of the notifications were for herbicide use (HU) only; therefore they do not require a follow-up PCF, but those projects are required to report their use of herbicides.
- Seven notifications were withdrawn after submission.
- Only 14 projects were submitted to the USFWS email box.

As of the writing of this report 2/11/14, 14 projects have completion reports either due or past due.

Table 3a. HIP III BO Project Notification Forms Submitted to each NMFS and USFWS Geographic Area of Responsibility in 2013. Projects with shading had a variance request. Projects with a complete status have a PCF, herbicide report, or both in this report. Projects listed in italics were submitted for NMFS HIP II coverage prior to the finalized HIP III.

Project #	Contract #	Project Title	NMFS Habitat Branch	USFWS Field Office	Status
1983-350-00	*60242A*	*Nez Perce Tribal Hatchery O & M*	*N Idaho*	NA	AH13 due
1983-435-00	*CR-232047A*	*Umatilla Hatchery Satellite Facilities O&M*	*E Oregon*	NA	Complete
1987-100-01	*60836A*	*Umatilla Anadromous Fish Habitat – Umatilla Tribe*	*E Oregon*	NA	Complete
1987-100-02	*60131A*	*Umatilla Anadromous Fish Habitat*	*E Oregon*	NA	Complete
1989-035-00	*59669A*	*Umatilla Hatchery O & M*	*E Oregon*	NA	Complete
1990-005-01	*CR-234218A*	*Umatilla Natural Production M & E*	*E Oregon*	NA	AH13 due
1990-092-00	*60141A*	*Wanaket Wildlife Area*	*E Oregon*	NA	Complete
1992-094-01	*59275A*	*Scotch Creek Willife Mitigation*	*E Washington*	NA	AH13 due
1998-010-05	*CR-231186A*	*Fall Chinook Acclimation Facilities Snake/Clearwater Rivers*	*N Idaho*	NA	Complete
2000-021-00	*CR-228889A*	*Ladd Marsh Wildlife Mitigation*	*E Oregon*	NA	Withdrawn
2002-014-00	*58977A*	*Sunnyside Wildlife Mitigation Area*	*E Washington*	NA	AH13 due
2003-012-00	*59514A*	*Shillapoo Wildlife Area*	*SW Washington*	NA	AH13 due
2006-004-00	*55102A*	*WDFW Wenas Wildlife Area*	*E Washington*	NA	AH13 due
2007-224-00	*56701B*	*Okanogan Subbasin Plan 2012*	*E Washington*	NA	Withdrawn
2007-398-00	*52299A*	*YTAHP_Teanaway River_3M Ditch Project*	*E Washington*	NA	Complete

Project #	Contract #	Project Title	NMFS Habitat Branch	USFWS Field Office	Status
2007-402-00	57759A	*EXP IDFG Sockeye Salmon Captive Broodstock*	*S Idaho*	*NA*	*Complete*
2010-072-00	*58410B*	*Lemhi River Restoration Project*	*S Idaho*	NA	Complete
2011-004-00	*56036B*	*John R. Palensky Wildlife Area*	*WB/LC*	NA	Complete
1983-435-00	CR-270403	Umatilla Hatchery Satellite Facilities Herbicide Use	Columbia Basin	La Grande	Ongoing
1983-436-00	62976A	Umatilla Fish Passage Operation and Maintenance	E Oregon	NA	Ongoing
1984-021-00	60620A	John Day Habitat Enhancement Project – 2013	E Oregon	NA	Complete
1987-100-01	60836B	Umatilla River Habitat Restoration with Confederated Tribes of the Umatilla Indian Reservation	Columbia Basin	NA	Ongoing
1987-100-01	CR-270402A	Umatilla River Habitat Restoration with Confederated Tribes of the Umatilla Indian Reservation	Columbia Basin	La Grande	Ongoing
1989-035-00	63378A	Umatilla Hatchery Herbicide Use	Columbia Basin	Portland	Ongoing
1990-005-01	CR-234218B	CHaMP Habitat Monitoring	E Oregon	NA	Complete
1990-044-00	61299A	Coeur D'Alene Fisheries Habitat Restoration	N Snake	Spokane	Ongoing
1990-092-00	63865A	Wanaket Wildlife Area	Columbia Basin	La Grande	Ongoing
1992-009-00	61460A	Yakima Phase II/Huntsville Screens Operations and Maintenance	E Washington	NA	Ongoing
1992-026-01	CR-262458A	Catherine Creek – RM 44 Stream and Fish Habitat Restoration Project – Phase I (CC-44 Project)	E Oregon	NA	PCF Due
1992-048-00	60431A	Hellsgate Winter Range	E Washington	NA	AH13 due
1992-059-00	62045A	Amazon Basin/West Eugene Wetlands	WB/LC	NA	Ongoing
1994-018-06	59663A	Tucannon Stream and Riparian Restoration	E Washington	NA	PCF Due
1995-057-00	62940A	Idaho Department Fish and Game Operations and Maintenance	S Snake	E Idaho	Ongoing
1995-057-00	63060A	Idaho Department Fish and Game Administration	S Snake	NA	Ongoing
1995-057-02	63492A	Shoshone-Bannock Wildlife Mitigation	S Snake	NA	Ongoing
1996-035-01	56662A	South Fork Ahtanum Creek Forest Road Improvement	E Washington	NA	Complete
1996-035-01	56662B	Upper Toppenish Creek Culvert Removal & Ford Installation	E Washington	NA	Complete
1996-046-01	61253A	Walla Walla Fish Habitat Enhancement -Touchet River Indigo Control	E Oregon	NA	Complete
1996-046-01	61253B	Walla Walla River Basin Fish Habitat Enhancement	E Oregon	NA	PCF Due
1996-060-01	60770A	Isqúulktpe Creek Watershed Project 2013	E Washington	NA	PCF Due
1996-080-00	59955A	NE Oregon Wildlife Project - Precious Lands	E Oregon	NA	PCF Due
1996-083-00	61475A	Willow Creek Weed Treatment 2013	E Oregon	NA	Complete
1996-083-00	61475B	Willow Creek Weed Treatment 2013	E Oregon	NA	Ongoing
1997-013-25	56662A	Yakima Klickitat Fisheries Project Operations &Maintenance: Upper Yakima Supplementation Complex	Columbia Basin	NA	Ongoing
1997-013-25	56662B	Lower Yakima - Supplementation Complex Operation & Maintenance	Columbia Basin	NA	Ongoing
1997-056-00	CR-231770A	Klickitat Watershed Enhancement	E Washington	NA	Complete
1997-056-00	CR-231770B	Klickitat Watershed Enhancement	E Washington	NA	Complete
1997-056-00	CR-231770C	Klickitat Watershed Enhancement	E Washington	NA	Complete
1997-056-00	56662B	Klickitat Watershed Enhancement	Columbia Basin	Wenatchee	Ongoing
1998-010-05	63211A	Fall Chinook Acclimation – Big Canyon Acclimation site and Sweetwater Compound	N Snake	Boise	Ongoing
1998-010-05	63211B	Fall Chinook Acclimation – Captain John Rapids Site	N Snake	Lacey	Ongoing
1998-021-00	62296A	Hood River Fish Habitat	Columbia Basin	Portland	Ongoing
1998-022-00	59924A	Pine Creek Conservation Area 2013	E Oregon	NA	PCF Due

Project #	Contract #	Project Title	NMFS Habitat Branch	USFWS Field Office	Status
1998-028-00	60805A	Trout Creek Watershed Restoration	C Oregon	NA	Complete
1999-017-00	61000A	Protect and Restore Lapwai Creek Watershed	N Idaho	NA	Ongoing
2000-026-00	61608A	Rainwater Wildlife Area	E Washington	NA	Complete
2000-031-00	60597A	North Fork John Day Habitat Enhancement Project 2013	E Oregon	NA	PCF Due
2000-039-00	60695A	Walla Walla Salmonid Production M&E	E Washington	NA	Complete
2001-041-00	60726A	Forrest Conservation Area	E Oregon	NA	Complete
2001-041-00	60962A	Forrest Conservation Area	E Oregon	NA	Complete
2002-013-01	58768A	Water Entity - Water Transaction Program	E Oregon	NA	Complete
2002-050-00	61553A	Asotin County Conservation District – Luhn Bridge Project	E Washington	NA	Complete
2002-059-00	62671A	Yankee Fork Restoration: Preacher's Cove 2014	S Snake	E Idaho	Ongoing
2002-070-00	61265A	Lapwai Creek Anadromous Habitat	N Idaho	NA	Ongoing
2003-012-00	63005A	Shillapoo Wildlife Area	SW Washington	Lacey	Ongoing
2006-005-00	63046A	Asotin Creek Wildlife Mitigation	E Washington	NA	Ongoing
2007-156-00	56662B	Rock Creek Fish and Habitat Assessment	E Washington	NA	Ongoing
2007-224-00	61158A	Antoine Creek Culvert Replacement	Columbia Basin	NA	Withdrawn
2007-224-00	61162A	Okanogan Subbasin Habitat Implementation Program	E Washington	NA	Complete
2007-224-00	61162B	Antoine Creek Culvert Replacement	E Washington	NA	Withdrawn
2007-397-00	56228D	John Day Tributary Passage and Flow CAP 2013	E Oregon	NA	Complete
2007-397-00	56228E	John Day Tributary Passage and Flow CAP	Columbia Basin	NA	Complete
2007-398-00	56617A	Yakima Basinwide Tributary Passage and Flow	E Washington	NA	Complete
2007-398-00	60456A	YTAHP- Cowiche Creek—Cowiche Creek Water Users Association	E Washington	Wenatchee	Ongoing
2007-399-00	58717A	Upper Salmon Screen Tributary Passage	S Idaho	NA	Complete
2007-402-00	CR-235312A	EXP IDFG Sockeye Salmon Captive Broodstock	S Idaho	NA	Complete
2008-311-00	60648A	Natural Production Management and Monitoring	Columbia Basin	NA	Ongoing
2008-603-00	57289B	Sulphur Creek Restoration, Water Conservation and Pipeline Project	S Idaho	NA	Ongoing
2008-604-00	61571A	Lower Clearwater and Potlatch Watersheds Habitat Improvements: Dutch Flat Dam	N Idaho	NA	Complete
2008-604-00	61571B	Lower Clearwater and Potlatch Watersheds Habitat Improvements: Dutch Flat Dam	N Idaho	NA	Withdrawn
2008-710-00	59958A	Development of an Integrated Strategy for Chum Salmon Restoration in the Tributaries Below Bonneville Dam	SW Washington	NA	Complete
2009-012-00	61505A	Green Island Crossing Restoration	WB/LC	NA	Complete
2011-004-00	60447A	Railroad Island	WB/LC	NA	Complete
2011-004-00	62538A	Oregon Department of Fish and Wildlife Operation and Maintenance	WB/LC	NA	Ongoing
2011-008-00	59477A	Technical Support for Biological Opinion Research Monitoring & Evaluation Coordinated Assessments	Columbia Basin	Portland	Complete
2011-014-00	58343A	Installing PIT tag array	C Washington	NA	Complete
2011-014-00	58343B	Installing half duplex PIT arrays in Hood River, Fifteenmile and Mill creeks	C Oregon	NA	Complete

The number of projects submitted for HIP III coverage to USFWS field offices in 2013 are presented in Table 3b. Table 3b also denotes the current status of the projects, Because the programmatic coverage was finalized late in the year there have been few submissions to date

and most of these projects are still active. We expect an increase in the number of projects submitted in upcoming years.

Table 3b. Number of HIP 3 projects submitted to USFWS Field Offices in 2013.

USFWS Field Office	Status	Number of Projects
Boise	Active	1
E Idaho	Active	2
La Grande	Active	3
Lacey	Active	2
Portland	Complete	1
	Active	2
Spokane	Active	1
Wenatchee	Active	2

The number of projects submitted for HIP coverage to NMFS field offices in 2013 are presented in Tables 3c and 3d. Because the programmatic coverage was finalized in March 2013, there were many submissions under the previous HIP II BO. Additionally, there was a restructuring of the NMFS habitat branches and their geographic areas of responsibility. Central Oregon, Eastern Oregon, Central Washington and Eastern Washington habitat branches were loosely reorganized into the Columbia Basin Habitat Branch. Northern Idaho and Southern Idaho branches were reorganized into Northern and Southern Snake habitat branches.

Table 3c. Number of HIP projects submitted to NMFS Habitat Branches in 2013. Note that Habitat Branches were reorganized in October 2013.

Habitat Branch	HIP BO	Status	# of Projects
C Oregon	III	Complete	2
C Washington	III	Complete	1
Columbia Basin	III	Complete	2
		Active	11
		Withdrawn	1
E Oregon	II	AH13 due	1
		Complete	5
		Withdrawn	1
	III	Complete	8
		Active	2
		PCF Due	5
E Washington	II	AH13 due	3
		Complete	1
		Withdrawn	1
	III	AH13 due	1
		Complete	10
		Active	4
		PCF due	2
		Withdrawn	1
N Idaho	II	AH13 due	1
		Complete	1
	III	Complete	1
		Active	2
		Withdrawn	1
N Snake	III	Active	3
S Idaho	II	Complete	2
	III	Complete	2
		Active	1
S Snake	III	Complete	1
	III	Active	4
SW Washington	II	AH13 due	1
	III	Complete	1
		Active	1
WB/LC	II	Complete	1
	III	Complete	2
	III	Active	2

Project Completion Forms Submitted in 2013 (as of 2/12/2014)

As previously mentioned, a total of 73 PNFs were submitted in 2013, of these 7 were withdrawn, 17 were herbicide use only, and 14 are still awaiting completed PCFs. This leaves a total of 35 project completion forms (PCF) submitted for work completed in 2013 (Table 4). Every PCF listed in the tables below was submitted to NMFS via e-mail to hip.nwr@noaa.gov between 4/13/2013 to 2/12/14. Additionally, copies of the PCFs listed in Table 4 are included in Appendix A. Projects employing HIP BO coverage exclusively for herbicide use do not require a PCF and are not included in Table 3. However, these projects are addressed under the section entitled "Herbicide Use" and are reported in Table 7.

Table 4. Project Completion Forms submitted for work completed in 2013. Projects in bold type indicate that the project coverage was submitted under HIP II guidelines.

Project #	Contract #	Submitted	In-water work	Herbicides
1983-436-00	59045A	12/12/2013		Y
1987-100-01	60836A	1/30/2014		Y
1987-100-02	60131A	12/12/2013		Y
1990-005-01	**CR-234218B**	**12/5/2013**	**Y**	
1990-092-00	**60141A**	**1/30/2014**	**Y**	**Y**
1996-035-01	**56662A**	**1/9/2014**	**Y**	
1996-035-01	**56662B**	**1/9/2014**	**Y**	
1997-056-00	CR-231770A	1/6/2014		Y
1997-056-00	CR-231770B	1/6/2013	Y	
1997-056-00	CR-231770C	1/6/2013		
1998-021-00	58390B	11/15/2013		
1998-028-00	60805A	2/3/2014	Y	
1996-060-01	60770A	2/13/14		
2000-001-00	56647A	10/18/2013	Y	
2000-039-00	**60695A**	**1/6/2014**	**Y**	
2001-041-00	60962A	1/6/2014		Y
2002-013-01	**58768A**	**11/6/2013**	**Y**	
2002-050-00	61553A	2/3/2014		
2002-070-00	57048A	11/6/2013	Y	
2007-092-00	**53830A**	**8/14/2013**	**Y**	
2007-127-00	56442A	6/5/2013	Y	
2007-224-00	61162A	1/16/2014	Y	
2007-397-00	56228D	2/6/2014		Y
2007-397-00	56228E	2/3/2014	Y	
2007-398-00	52299A	9/16/2013		
2007-398-00	**56617A**	**8/21/2013**	**Y**	
2007-399-00	58717A	2/11/2014	Y	Y
2008-604-00	61571A	2/4/2014	Y	
2008-710-00	59958A	11/14/2013		

Project #	Contract #	Submitted	In-water work	Herbicides
2009-012-00	61505A	12/12/2013	Y	
2010-072-00	58410B	7/5/2013	Y	
2011-004-00	56036B	11/14/2013		
2011-008-00	**59477A**	**1/6/2014**	**Y**	
2011-014-00	**58343A**	**5/30/2013**	**Y**	

Actions Resulting in Incidental Take

A total of 54 reports (34 PCFs, 20 herbicide use forms) were returned to BPA for work completed in 2013. These projects had potential for incidental take of ESA-listed salmonids. The activities that have potential for incidental take as defined by the HIP III BO are listed in Table 5. In each category, the allowable take far exceeded the actual amount of take resulting from completed projects. The majority of HIP III BO coverage was for herbicide activities.

Table 5. Incidental take - allowable and actual in 2013.

Take Category		**Allowable Take Limits**	**Actual Take**
Capture and mortality of listed salmonids by recovery domain	IC – all take	5925	841
	IC – mortality	296	12
	OC – all take	375	0
	OC - mortality	19	0
	WLC – all take	1200	0
	WLC - mortality	60	0
In-stream/near-stream construction		90 projects/year	12 projects
Instream Activities (non-construction)		50 projects/year	9 projects
Herbicide Use		2500 riparian acres	414 acres

Instream and Near-stream Construction

Twenty-one PCFs submitted with this report indicated instream construction work in 2013 (Table 6). The total number of in-stream construction projects reported in this annual report is 20 projects. This is far below the limit of 90 projects allowed by the HIP III BO. Five of these projects reported no observable turbidity plume as a result of construction. The majority of projects resulting in observable turbidity reported a plume length between five and 500 ft. See the following section "Activities that Resulted in Non-Compliance" for further information regarding these projects.

Table 6. Projects Involving Instream Construction, 2013.

Project #	Contract #	In-water work start	In-water work end	Turbidity plume (ft)
1997-056-00[1,]	CR-231770B	7/3/13	10/31/2013	100[2]
1998-028-00[3]	60805A	10/17/2013	10/31/2013	0
2000-001-00[1]	56647A	9/18/2012	10/11/2012	200[4]
2002-070-00	57048A	5/1/2012	4/30/2013	0
2007-127-00[1]	56442A	10/16/2012	10/18/2012	100[4]
2007-224-00[1]	61162A	10/23/2013	10/23/2013	50
2007-397-00	56228D	7/15/2013	8/31/2013	100
2007-397-00	56228E	7/15/2013	9/30/2013	0
2007-399-00[1]	58717A	8/6/2013	9/20/2013	600[2]
2008-604-00[1]	61571A	8/22/2013	10/14/2013	150[5]
2009-012-00	61505A	9/26/2013	11/15/2013	5
2010-072-00[1]	58410B	4/12/2013	4/24/2013	500[4]

[1]Project had take of listed salmonids; see Table 8. [2]Exceeded turbidity levels. [3]Work completed in the dry. [4]Project completed within HIP II turbidity limits [5]Project had an approved variance for exceeding turbidity levels.

Instream Work not Involving In- or Near-stream Construction

BPA received 9 PCFs documenting instream work not involving near- or in-water construction (Table 7). One of the projects included instream work completed in 2012. This is below the limit of 50 projects allowed by the HIP III BO. These projects included installing PIT tag arrays, fencing, fish screen maintenance, and bank stabilization. Most activities occurred during periods of low or no flow in the stream. One project exceeded the HIP III guidelines for turbidity levels. See the following section "Activities that Resulted in Non-Compliance" for further information regarding these projects.

Table 7. Projects involving instream work in 2013. Shaded rows indicate instream projects completed in 2013, but not reported in the respective Annual Report.

Project Title	Project #	Instream work start	Instream work end	Turbidity plume (ft)
1990-005-01	CR-234218B	7/8/2013	8/26/2013	3
1990-092-00	60141A	2/1/2013	11/1/2013	0
1996-035-01	56662A	10/31/2013	10/31/2013	0
1996-035-01[1]	56662B	10/9/2013	10/9/2013	0
2000-039-00[2]	60695A	7/29/2013	7/31/2013	150
2002-013-01	58768A	5/1/2013	7/11/2013	0
2007-092-00	53830A	7/1/2012	10/11/2012	30
2011-008-00	59477A	10/7/2014	10/11/2013	0
2011-014-00	58343A	5/14/2013	5/14/2013	0

[1] Work completed in the dry. [2]See section on non-compiance.

Capture or Mortality of Listed Salmonids

Seven projects completed activities that resulted in the capture or mortality of ESA-listed salmonids during work site isolation and dewatering activities, combining for a total take of 841 ESA-listed salmonids from the IC recovery domain (Table 8). Most of the fish were released unharmed outside of the respective project areas, with 12 mortalities reported in 2013. These

totals remained below the HIP III BO's allowable yearly take limits for the IC (5925 total take, 296 mortality).

Table 8. Projects resulting in capture/mortality of listed salmonids, 2013.

Project #	Contract #	Habitat Branch	Field Office	IC		OC		WLC	
				All take	Mortality	All take	Mortality	All take	Mortality
1997-056-00	CR-231770B	E WA	NA	337[1]	2	-	-	-	-
2000-001-00	56647A	E WA	NA	28	-	-	-	-	-
2007-224-00	61162A	E WA	NA	101	1	-	-	-	-
2008-604-00	61571A	N Idaho	NA	177	4	-	-	-	-
2007-127-00	56442A	S Idaho	NA	22	0	-	-	-	-
2007-399-00	58717A	S Idaho	NA	152	5	-	-	-	-
2010-072-00	58410B	S Idaho	NA	24	0	-	-	-	-
Total				**841**	**12**	**0**	**0**	**0**	**0**

[1]MCR Chinook ESU.

Herbicide Use

During the 2013 reporting period, BPA received herbicide use forms for 21 projects, listed in Table 9. The remaining projects indicated that herbicides were used in *riparian* areas and complied with the HIP III terms and conditions for applying herbicides. For the purposes of reporting, '*riparian*' is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water. 'Upland' is defined as all other lands. The projects listed in Table 8 treated 414 riparian acres and 2500 upland acres with herbicides. This amount is well below the limit of 2,500 riparian acres set forth by the HIP III BO.

Table 9. Projects that employed the use of Herbicides in 2013.

Habitat Branch	Project #	Contract #	Acres treated	
			Riparian	Upland
E OR	1983-435-00	CR-232047A	5.3	33
	1984-021-00	60620A	34	12
	1987-100-01	60836A	36.5	9
	1989-035-00	59669A	0	4
	1990-092-00	60141A	0	114.7
	1996-046-01	61253A	15	0
	1996-080-00	59955A	20	350
	1996-083-00	61475A	11.03	51.83
	2000-031-00	60597A	9	3.5
	2001-041-00	60726A	0	3
		60962A	83	240
E WA	1997-056-00	CR-231770A	1.25	3
	1996-060-01	60770A	5.04	17.2
	2000-026-00	61608A	9.4	182.2
	2006-005-00	63046A	0	287.75
N Idaho	1983-350-00	60242A	0	194
	1998-010-05	CR-231186A	4	8
S Idaho	2007-402-00	57759A	0	5
		CR-235312A	0	5
SW WA	2003-012-00	59514A	177	722
WB/LC	2011-004-00	60447A	1.5	0
Totals	19	21	414.02	2499.68

Activities that Resulted in Non-Compliance

During 2013, three projects had activities that exceeded the HIP III reinitation triggers.

Upper Salmon Screen Tributary Passage (project 2007-399-00, contract 58717A)

Explanation: This project was a series of actions consisting of a diversion and culvert replacement and siphon installation in southern Idaho, Lemhi County. The instream work from the culvert replacement exceeded the HIP III turbidity standards, but the project proponent had utilized all HIP III conservation measures and had an approved variance request for exceeding the turbidity reinitiation trigger. It is worth noting that in 2012, the same project proponent reported a turbidity plume of 500 feet in the same area for a similar project (Upper Salmon Tributary Passage Project 2007-399-00, Contract 54777A). This indicates that large turbidity plumes may be due to the local geomorphology. We will continue to monitor projects in this area more closely.

Klickitat Watershed Enhancement Project (Project# 1997-056-00, Contract# CR-231770B)

Explanation: This project was a bridge culvert replacement, large wood placement, and secondary channel creation located in Eastern Washington on the Klickitat River. Instream work

was completed at two sites which exceeded turbidity limits set forth in the HIP III BO during channel reconnection activities. Each of the sites was a separate activity (Teepee Creek Project Phase 2, Upper Klickitat Phase 3). Turbidity higher than background was observed downstream. The plumes did not persist longer than 4 hours. In addition, there was a large fish capture (337 *Onchorhynchus mykiss*) due to the work. However, in 2012 the same project proponent within the same area with a similar action had an excessively large fish capture (2360) and kill (89) (Klickitat Watershed Enhancement Project Project# 1997-056-00, Contract# 52388-B) and observed turbidity plumes of approximately 2500 and 1500 feet in length. The project proponent indicates that this is likely due to the high clay content of native soils in the bed and banks which stay in suspension for a longer period of time. BPA will continue to monitor this project proponent and require further measures to minimize turbidity pulses.

Walla Walla Salmonid Production Monitoring and Evaluation (Project 2000-039-00, Contract 60695A)

Explanation: This project is located in Mud Creek, a tributary of the Wall Walla River and was purely to install a PIT Tag antenna. A 2-foot wide trench was dug using hand tools across the river (59 feet) about 9 inches deep. The plume of silt dissipated over 20 yards as it went downstream.

At one point, the project sponsor had to dig into the bank to get enough length for the antenna about one foot. This developed a heavier plume near the shoreline but was a onetime event and occurred over a short amount of time (~1/2 hour). The turbidity level returned to background levels well before the next day's activities. The nature of this project, digging a trench across the entire river and into the bank, resulted in a significant amount of excavated material that was likely side-cast into the river. BPA will work with the project proponent and the Services to see if any other measures could be taken to minimize such increases in the future.

Restoration Review Team (RRT) History and Challenges

BPA's RRT first convened at the end of January 2013. Since the RRT was a new concept to BPA, the RRT initially met every week for a month in order to establish guidelines, and draft a charter and bylaws. Staff members volunteered their time and team assignments were made. As this was the first QA/QC team designed to review restoration projects, there was a steep learning curve. RRT staff members varied in both technical and hydraulic review skill sets and because the HIP3 was not yet signed, responsibilities were somewhat amorphous. Following the signing of the Biological Opinion in March, and through a substantial number of project reviews during the field season, roles and responsibilities have become more clearly defined.
Initially, the RRT staff trained the Environmental Planning and Analysis Group (KEC), who work directly with project sponsors and BPA contract managers for ESA environmental compliance. This was the easiest task as a majority of RRT members were taken directly from the KEC group and the KEC group had previous experience with the HIP and HIP2 through the years. A dedicated internal application was programmed and designed in which EC leads from KEC could submit projects for RRT review, and the RRT could track, respond, and automatically create an administrative record (Appendix C).

BPA's habitat project implementation group (KEW) was then informed of the role of the RRT and how to integrate the HIP3 BO requirements into their contractual agreements. This was more of a challenge as it represented changes to their accustomed workflow, and many KEW members were not conversant with the HIP3. Two separate presentations to the KEW group were completed.

Finally, project sponsors had to be informed of the new requirements for project submittal and new requirements under the HIP3. This was the biggest challenge as project sponsors are decentralized all throughout the Columbia Basin with differing attitudes and expertise on the HIP3. The RRT made a point to travel to project sponsors directly during initial conceptual design meetings in which the process was explained and the HIP3 was introduced. Project sponsors responded with mixed reactions, from enthusiasm to apprehension. We have held many face-to-face meetings across the basin and distributed an abridged HIP3 handbook.

Another significant challenge is communicating to the project sponsors to submit conceptual designs early to the RRT and to utilize the RRT as a source of technical assistance rather than another regulatory hurdle. We have worked to incorporate early review notifications into the contract planning process.

A regional letter was sent out in January 2014 following the signing of the USFWS HIP document to all fish and wildlife contract managers and project managers describing HIP3 changes and sharing the web location to find more information on the RRT process and HIP3 (http://efw.bpa.gov/environmental_services/Environmental_Compliance_Fish_Wildlife_Projects.pdf).

Currently, the RRT meets every 3 weeks and has 8 dedicated staff members who meet regularly to discuss and review projects. We are continuously looking for innovative ideas to streamline the process and ensure compliance with the HIP3. Currently, we have only one hydraulic engineer that is qualified to perform the technical analysis required for high risk projects. This can be a bottleneck during periods of high project volume. We are currently seeking to train another engineer and additional RRT team members to assist in technical reviews.

In the future, the RRT wishes to invite interagency partners to attend our meetings on a quarterly basis and utilize opportunities to piggyback off of existing processes (i.e. Level 1 meetings). We continuously seek feedback on how best to make this happen.

RRT Work Load

To date, 44 actions have been submitted to the RRT for review (Appendix C). Thus far, 29 of these actions have completed review. 5 of these projects were determined to be outside of the HIP3 and either recommended for individual consultation or alternative approaches. 14 of these actions were implemented in 2013; 21 are scheduled for implementation in calendar year 2014; and 4 in calendar year 2015.

In terms of risk level, RRT reviews are broken down in table XXX. We expect the number of submittals for high risk actions to increase. Note that high risk actions would previously have required a Biological Assessment and an individual Section 7 Consultation.

Table 10: Actions[1] Submitted for RRT Review.

	2013	2014	2015
Low Risk	5	2	0
Medium Risk	7	12	1
High Risk	2	7	3

[1] Actions typically are a work element in a single contract, but sometimes can involve more than one work element or more than one contract.

APPENDIX A

2013 Project Completion Forms from Table 3

HIP II PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 120 days of completing a project covered under the HIP II programmatic biological opinion (HIP II BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov. Use the NMFS Public Consultation Tracking System-Consultation Initiation and Reporting System (CIRS) to submit this report when the online system becomes available.

Date of Submittal	12/11/2013		
BPA EC Lead Contact:	Katey Grange	**Phone:**	(503) 230.4047
Project Contractor Contact:	Mike Wick, Westland Irrigation District	**Phone:**	(541) 667.2030
Project Title:	Umatilla Passage Operations and Maintenance (O&M)		
BPA Project #:	1983-436-00		
BPA Contract #:	59045A		
6th Field HUC 12 Digit Code Number:	1707010307; 1707010313; 1707010302; 1707010201 *5th Field HUCs listed as project occurs in various locations under one contract.	**6th Field HUC Name**	Umatilla River; Lower Umatilla River; Meacham Creek; Walla Walla River

Project Start and End Dates: ***Start: 10/12/12*** ***End:10/12/13***

Actual project in-water work Start and End Dates:	***Start***:	***End***:
None		
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet measurement.		

Check Box if project includes in-stream work, but does not involve in-water or near-water construction.

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When its available, provide a tally by species for each species impacted.☐

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	N/A	
Number of salmonids injured:	N/A	
Number of salmonids killed:	N/A	

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP II BO consultation:

This project funds the Operation & Maintenance activities at several (17) fish acclimation sites and passage structures at diversions on the Umatilla River in Oregon, from the Imeques facility at river mile (RM) 79.5 downstream to the Three Mile Dam facility at RM 4 near the city of Umatilla. O&M activities were conducted throughout the year to ensure that the facilities were operating within criteria for fish passage.

The main criteria monitored at the passage sites were the forebay elevations to ensure the fish screens were operating in the prescribed water levels. The screens were also monitored and maintained to ensure the proper seals for the screens were in place and in good condition in conjunction with maintaining the proper screen rotational motor speeds. Fish ladders at the sites were set and operated at criteria derived from input from ODFW and Tribal fish biologists. ODFW and Tribal fish biologists determine if the facility is operating within desired criteria for fish production and rearing.

In FY2013, the Umatilla O&M project implemented actions in accordance with all terms & conditions as outlined in the Habitat Improvement Project II (HIPII) Biological Opinion. The Actual Herbicide Form for herbicides applied in 2013 will be submitted to NOAA Fisheries in January 2014, along with a Proposed Herbicide Form for work in 2014.

HIP II PROGRAMMATIC - CONSULTATION

PROJECT COMPLETION FORM

Within 120 days of completing a project covered under the HIP II programmatic biological opinion (HIP II BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov. Use the NMFS Public Consultation Tracking System-Consultation Initiation and Reporting System (CIRS) to submit this report when the online system becomes available.

Date of Submittal	*01/29/2014*		
BPA EC Lead Contact:	Katey Grange	**Phone:**	503.230.4047
Project Contractor Contact:	Mike Lambert	**Phone:**	541.429.7283
Project Title:	Umatilla Anadromous Fish Habitat – Umatilla Tribe		
BPA Project #:	**1987-100-01**		
BPA Contract #:	60836A		
6th Field HUC 12 Digit Code Number:	1707010302 (multiple 6th field HUCs)	**6th Field HUC Name**	Meacham Creek

Project Start and End Dates: ***Start***: 3/21/13 ***End***: 1/31/2014

Actual project in-water work Start and End Date	***Start***:	***End***:
No in-water project work occurred in 2013 under the HIP II Programmatic Consultation		
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet measurement.	0 feet	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.☐

Supervisory Natural Resource Specialist (name, address & telephone number):	Michael Lambert, 46411 Ti'mine Way, Pendleton, OR 97801; 541-429-7283	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	0	
Number of salmonids injured:	0	
Number of salmonids killed:	0	

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP II BO consultation:

Maintain/Remove Vegetation (I:197, P. 197): Project activities included watering and maintaining plants on NRCS CREP tracts and maintaining noxious weeds by hand and tractor mowing. Hand pulled weeds are bagged and disposed of properly in preventing the spread of weeds. Weeding and mowing on CREP tracts were maintained two times during the late spring and early summer.

Plant Vegetation (J:47): About 200 willow cuttings and 800 cottonwood stakes were planted over 0.7 acres in the spring of 2013 within existing conservation easement project areas by hand digging or spade plant bars under the HIP II BO consultation. The remainder of 2013 spring and fall planting season was within the newly implemented 2011 Meacham Creek Floodplain Restoration and In-stream Enhancement Project (RM 6.0-7.0) and 2013 Meacham Creek Floodplain Restoration and In-stream Enhancement Phase II (RM 6.0-8.5) project areas. The planting plan was covered under a Biological Opinion specific to the project areas.

Operate and Maintain Habitat/Passage/Structure (K:186): CTUIR monitored 7 passage rectification projects to assure that treatments are effectively working and to insure that intrusive objects are not interfering with the designed function of the passage structures (Table 1). Routine quarterly scheduled site visits of individual projects were conducted either independently by the CTUIR or jointly with project partners such as ODFW. Site visits typically follow significant flow events or responses to landowner requests at project sites.

Project maintenance included meeting specified conditional language in state and Federal permits, maintaining debris that is routinely captured or caught on in-stream structures, responses to landowner requests and concerns, and completion of post-treatment surveys to monitor and quantify changes to physical and ecological responses. No structural modifications were necessary other than routine inspection and debris maintenance.

Table 1. Habitat passage structures monitored and maintained by CTUIR to meet design specifications.

Year	Stream	Stream Location	Project Description
2007	Meacham Creek	RM 1.7	Passage rectified by removing large cabled boulders (improved adult passage)
2007	Meacham Creek	RM 20.2	Partial dam removed (juvenile and adult passage)
2007	Camp Creek	RM 0.3	Partial dam removal (juvenile and adult passage)
2007	Greasewood Creek	RM 0.4	Partial dam removal (juvenile and adult passage)
2007	West Birch Creek	RM 3.2	Roughened channel to restore proper gradient and reduce step height at road bridge crossing for adult passage
2008	West Birch Creek	RM 2.7	Hoeft Dam fish passage rectification (juvenile and adult passage)
2010	Birch Creek	RM 2.8	Peterson In-stream habitat and bank stabilization project

Operate and Maintain Habitat/Passage/Structure (L:186): CTUIR complied with terms of the 27 existing conservation easements. The purpose of these conservation easements is to protect, enhance, and restore functional floodplain, channel, and watershed processes to provide sustainable and healthy habitat for aquatic species in the Umatilla River subbasin. CTUIR routinely conducts custodial maintenance on individual easement properties to ensure that project structures and fencing are functioning and habitat recovery is progressing towards meeting projects goals and objectives. Activities included installing and repairing riparian cattle exclusion fences, maintaining or installing water gaps, riparian and floodplain maintenance of past plantings, noxious weed control by hand where necessary, and landowner coordination and education.

Field Data Collection (Q.115, R. 157, S. 157, U.157, V.157): A suite of physical and biological parameters were monitored at implemented restoration project sites and research locations within the Umatilla Subbasin. Macroinvertebrate baseline data has been collected since 2005 using a modified EPA EMAP protocol for targeted riffle sampling (Peck et al. 2006). Prior to macroinvertebrate sampling, a suite of environmental variables were collected and measured at 16 site locations encompassing two large reach project areas in Meacham Creek. These reaches were between RMs 2-4.5 and RMs 5-7. An independent reference site is in the North Fork Umatilla River (RM 0-2). The primary objective of the macroinvertebrate sampling is to provide pre-restoration data on the macroinvertebrate community within Meacham Creek so that it can be used to examine after large restoration projects. Secondary objectives include: a) an examination of environmental variables that correlate with macroinvertebrate community structure. This provides insights into the variables that are important in driving macroinvertebrate community structure in Meacham Creek and b) a comparison of the macroinvertebrate community in Meacham Creek to that in the North Fork of the Umatilla River (independent, reference site). All field activities are within July and August and outside of anadromous spawning and incubation periods.

CTUIR in 2011 completed a large scale restoration project on Meacham Creek (RM 6-7.1) that included, but is not limited to, channel realignment (re-meandering), reconstruction, addition of large woody debris and flood plain reconnection. This project has many goals of which one is to enhance hyporheic exchange and create thermal refugia for rearing salmonid juveniles during summer low flow periods. The Meacham Creek Geomorphic-Hyporheic Flow Study aims to document the effects of a large scale channel realignment restoration project on hyporheic exchange and water temperature. This study focus hopes to answer the following questions while documenting the changes that occur: 1) How are interactions between surface and subsurface hydrology influenced by channel realignment and large

wood additions associated with stream restoration? and 2) How will water temperature respond to restoration induced changes in hyporheic hydrology? As part of this study a series of 30 monitoring wells were installed spatially throughout the floodplain to capture changes in subsurface water movement and temperature in response to channel planform changes due to restoration. A temperature and water level logger is deployed in each well. In addition, approximately 30 water temperature loggers are deployed in open water locations in the main channel as well as in spring brooks and backwater channels throughout the floodplain. Detailed field data collection of key aquifer properties are further collected for input parameters to the hydrogeological model. All field activities occur outside of anadromous spawning and incubation periods.

Other monitoring activities within the project period included longitudinal and cross-section surveys, floodplain mapping, stream habitat surveys, pebble counts, vegetation monitoring and photo points at the Meacham Creek Floodplain Restoration and In-stream Enhancement Phase I&II Project areas although they were specifically covered under separate consultation biological opinions. However, this monitoring or assessment work met the requirements of the HIP II BO, specifically terms and conditions minimization measures 21-29.

HIP II PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 120 days of completing a project covered under the HIP II programmatic biological opinion (HIP II BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov. Use the NMFS Public Consultation Tracking System-Consultation Initiation and Reporting System (CIRS) to submit this report when the online system becomes available.

Date of Submittal	*12/11/2013*		
BPA EC Lead Contact:	Katey Grange	**Phone:**	503.230.4047
Project Contractor Contact:	Adriana Morales	**Phone:**	(541) 276-2344 Ext. 325
Project Title:	Umatilla Anadromous Fish Habitat – ODFW		
BPA Project #:	1987-100-02		
BPA Contract #:	60131A		
6th Field HUC 12 Digit Code Number:	170701030608 170701030602 170701030606	**6th Field HUC Name**	Main Stem, East and West Birch Creek

Project Start and End Dates: ***Start***: 03-19-13 ***End***: 09-30-13

Actual project in-water work Start and End Dates:	***Start***:	***End***:
None		
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet measurement.	0	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.☐

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	N/A	
Number of salmonids injured:	N/A	
Number of salmonids killed:	N/A	

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP II BO consultation:

All work completed over this reporting period complied with all terms and conditions outlined in the HIP II BO. The following activities occurred between 3/19/2013 and 9/30/2013.

WE F.186 *Maintenance Fencing:* A total of 16.94 miles were inspected and maintained as needed; the maintenance included the repair and/or replacement of wire, posts, staples, strainers, tension springs and sleeves. These fences are important to protect riparian areas in Birch and Meacham Creek Watersheds functioning as grazing control fence and protecting 276.0 acres of riparian vegetation buffers on Joliff, Benson, Weinke, Rupp (Houser), Luke (Sorenson), and Gallatin properties. (Note: *The former owner of the property is in parenthesis.*)

WE G.186 *Maintain In-stream Structures*: In the Spring of 2013, inspections were conducted on a total of 171 in-stream structures (barbs, vortex weirs, cross-vanes, J-hooks, and root-wad revetments) at previously implemented projects on Joliff, Benson, Kinzua (Weinke), Low, Rupp (Houser), Luke (Sorenson) and Taylor properties and minor maintenance including the cleaning of riparian areas was needed. (Note: *The former owner of the property is in parenthesis*.)

WE H.47 *Plant Vegetation***:** The ODFW- UAFHP worked with the CTUIR Nursery to grow containerized native trees using 4" x 14" root mass in order to increase the survival percentage when planted in the riparian areas of Birch Creek Watershed. A total of 2,044 containerized trees, 2,530 willow cuttings and 235 lbs. of erosion control grasses were planted and in the fall season of 2012 at Joliff, Taylor and Low properties in order to restore and enhance riparian buffers form and function for years to come. A total of 12.8 acres and 1.2 stream miles were treated with a diversity of tree and grasses species (See Table No.3). In addition, 1,176 trees were growing at the CTUIR Nursery to be planted in the fall season of 2013 at Joliff, Benson, Luke, Rupp, Weinke, Kinzua, Taylor, Hamby and Low properties to enhance riparian buffer form and function.

WE I.157 Operation and maintenance of flow gauging stations on Main Stem, West and East Birch Creeks: The Oregon Water Resources Department (OWRD) through an interagency agreement with ODFW, operated, calibrated and maintained the three gauge stations with scientific equipment in East, West and Main Stem Birch Creek. The stream flow data collected was uploaded in the Hydromet data system of the Bureau of Reclamation (BOR). Data from these gauges is uploaded to Hydromet once an hour, 24 hours a day. The facility maintenance was performed by OWRD and ODFW - UAFHP personnel. Operation and maintenance of these gauging stations is essential for characterizing the hydrological regime and development of restoration treatments for the Birch Creek watershed.

WE L.197 *Control Invasive and Non-Native Plant Species:* Visual inspections were conducted between May and September 2013 on the project's properties to identify the presence of noxious weeds and schedule chemical treatments. Herbicides approved in the HIP BiOp were applied by spot spraying or ATV-mounted boom spraying

to control noxious weeds. Broadcast treatments were used on a limited basis with spot spraying applied the majority of the time. Herbicide products and application methods followed all state and federal regulatory standards. The purpose of noxious weed control was to reduce competition with, and displacement of, native vegetation. A total of 109.0 acres and 5.70 miles of stream habitat were treated along West, East and Main Stem Birch Creeks.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	**November 26, 2013**		
BPA EC Lead Contact:	Nancy Weintraub	**Phone:**	503-230-5373
Project Contractor Contact:	Craig Contor	**Phone:**	541-429-7279
Project Title:	CHaMP Habitat Monitoring		
BPA Project #:	1990-005-01		
BPA Contract #:	CR-234218B		
6th Field HUC 12 Digit Code Number:		**6th Field HUC Name**	

Project Start and End Dates: ***Start***: 7/1/13 ***End***: 8/31/13

Actual project in-water work Start and End Dates:	***Start***: 7/8/13	***End***: 8/26/13
Meacham Creek, WE J 157	July 8, 2013	August 1, 2013
Touchet, WE J 157	August 12, 2013	August 22, 2013
Rock Creek, WE J 157	August 5, 2013	August 6, 2013
Tucannon, WE J 157	August 26, 2013	August 26, 2013
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	0-3 feet	Site disturbance was limited to foot traffic while crossing the stream and taking habitat feature measurements in stream. Substrate disturbance was very minor.

☒ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	Craig R. Contor. 541 429-7279, 46411 Timine Way, Pendleton, OR 97801	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	0	
Number of salmonids injured:	0	
Number of salmonids killed:	0	

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

All work was done during low summer and fall flows. There was no disturbance of the substrate or riparian vegetation other than that caused by walking along and across the stream to measure stream and riparian habitat attributes.

Table 1. List of survey sites.
Site Name Lat Long Datum HUC 6 Number HUC 6 Name
Ramos 1 45.723379 -119.185438 WGS84 170701030706 Furnish Ditch-Umatilla River
Ramos 2 45.705340 -119.154367 WGS84 170701030706 Furnish Ditch-Umatilla River

Meacham 1 45.619801 -118.353825 WGS84 170701030206 Boston Canyon-Mecham Creek
Meacham 2 45.593140 -118.332367 WGS84 170701030205 Camp Creek-Mecham Creek
Touchet 1 46.180781 -117.961578 WGS84 170701020304 South Fork Touchet River
Touchet 2 46.135954 -117.970505 WGS84 170701020304 South Fork Touchet River
Camas 1 45.159527 -118.804951 WGS84 170702020505 Lane Creek-Camas Creek
Camas 2 45.143305 -118.829069 WGS84 170702020504 Cable Creek
Grande Ronde 45.310783 -118.279281 WGS84 170601040303 Jordan Creek
Rock Cr 45.329100 -118.215809 WGS84 170601040306 Rock Creek
Tucannon 46.347105 -117.682157 WGS84 170601070606 Hartsock Grande-Tucannon River
Pataha 1 46.512216 -117.975526 WGS84 170601070506 Dry Hollow-Pataha Creek
Pataha 2 46.529550 -117.837037 WGS84 170601070505 Chard Gulch-Pataha Creek

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*01/30/2014*		
BPA EC Lead Contact:	Jesse Wilson	**Phone:**	503-230-4506
Project Contractor Contact:	Gerald Middel	**Phone:**	5541-969-9925
Project Title:	Wanaket Wildlife Area		
BPA Project #:	**1990-092-00**		
BPA Contract #:	60141A		
6th Field HUC 12 Digit Code Number:	1070101031306/170701010206	**6th Field HUC Name**	Umatilla River / Cold Springs Wash Lake

Project Start and End Dates: ***Start***: 02/1/2013 ***End***: 11/01/2013

Actual project in-water work Start and End Dates:	***Start***: 02/1/2013	***End***: 11/01/2013
Irrigation System Maintenance and Operation	02/1/2013	11/01/2013
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	feet	

☒ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	Gerald Middel, 813 S Touchet Dayton, WA 99328	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	0	0
Number of salmonids injured:	0	0
Number of salmonids killed:	0	0

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

We did not capture any fish. Irrigation system maintenance work was done in accoradance with the HIP terms and conditions.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*01/03/2014*		
BPA EC Lead Contact:	Ted Gresh	**Phone:**	503-230-5756
Project Contractor Contact:	Ryan DeKnikker	**Phone:**	509-945-5389
Project Title:	*South Fork Ahtanum Creek Forest Road Improvement*		
BPA Project #:	**1996-035-01**		
BPA Contract #:	56662A		
6th Field HUC 12 Digit Code Number:	170300030104	**HUC Name:**	SF Ahtanum

Project Start and End Dates: ***Start***: 10/31/13 ***End***: 10/31/13

Actual project in-water work Start and End Dates:	***Start***:	***End***:
N/A		
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	feet	

☒ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting No fish were captured. Project was implemented in dry conditions

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		
Number of salmonids injured:		
Number of salmonids killed:		

Turbidity Reporting No Turbidity data was collected. Project was implemented in dry conditions

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

Work was conducted during dry conditions. Culvert was removed and disposed off site. No barrier to fish exists at the site upon project completion.

Project sponsor was on site during the entirety of construction activities.
Climate change was considered.
All applicable regulatory permits were obtained prior to the start of work.
No contaminants entered the site as a result of construction activities.
The site was staked out to identify stream centerline, staging area, storage area, offsets, and sensitive areas.
No temporary access roads, paths or stream crossings were created to construct the project.
Fill removed from road prism was stockpiled out of the 100 year flood zone, spread out to match existing topography and seeded with native plant seed.
Equipment was thoroughly inspected for leaks before and during construction. No refueling area was needed (equipment was fueled prior to arriving on site).
Appropriate measures were taken to ensure no spread of invasive species (ie. pressure washing equipment prior to entering the site).
Site was planted with native riparian vegetation and seed.
Site was treated with straw for erosion control.
The project was constructed to the specifications described in the technical memorandum prepared for Ted Gresh (BPA Environmental Compliance).

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*01/03/2014*		
BPA EC Lead Contact:	Ted Gresh	**Phone:**	503-230-5756
Project Contractor Contact:	Ryan DeKnikker	**Phone:**	509-945-5389
Project Title:	Upper Toppenish Creek Culvert Removal & Ford Installation		
BPA Project #:	**1996-035-01**		
BPA Contract #:	56662B		
6th Field HUC 12 Digit Code Number:	170300030603	**HUC Name:**	Upper Toppenish

Project Start and End Dates: ***Start***: 10/9/13 ***End***: 10/9/13

Actual project in-water work Start and End Dates:	***Start***:	***End***:
N/A		
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	feet	

☒ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting No fish were captured. Project was implemented in dry conditions

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		
Number of salmonids injured:		
Number of salmonids killed:		

Turbidity Reporting No Turbidity data was collected. Project was implemented in dry conditions

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

Work was conducted during dry conditions. Culvert was removed and disposed off site. No barrier to fish exists at the site upon project completion.

Project sponsor was on site during the entirety of construction activities.
Climate change was considered.
All applicable regulatory permits were obtained prior to the start of work.
No contaminants entered the site as a result of construction activities.
The site was staked out to identify stream centerline, staging area, storage area, offsets, and sensitive areas.
No temporary access roads, paths or stream crossings were created to construct the project.
Fill removed from road prism was stockpiled out of the 100 year flood zone, spread out to match existing topography and seeded with native plant seed.
Equipment was thoroughly inspected for leaks before and during construction. No refueling area was needed (equipment was fueled prior to arriving on site).
Appropriate measures were taken to ensure no spread of invasive species (ie. pressure washing equipment).
Site was planted with native riparian vegetation and seed.
Site was treated with straw for erosion control.
The project was constructed to the specifications described in the technical memorandum prepared for Ted Gresh (BPA Environmental Compliance).

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*02/11/2014*		
BPA EC Lead Contact:	Jesse Wilson	**Phone:**	503.230.4506
Project Contractor Contact:	Adrien Elseroad	**Phone:**	541.429.7241
Project Title:	Isqúulktpe CreekWatershed Project 2013		
BPA Project #:	1996-060-01		
BPA Contract #:	60770A		
6th Field HUC 12 Digit Code Number:	170701030301	**6th Field HUC Name**	Squaw Creek

Project Start and End Dates: ***Start***: 4/26/2013 ***End***: 1/30/2014

Actual project in-water work Start and End Dates:	***Start***:	***End***:
No in-water work	N/A	N/A
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	N/A feet	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	N/A	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		
Number of salmonids injured:		
Number of salmonids killed:		

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)
N/A								

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

Actions covered under this project completion form included mechanical removal of invasive species and planting of native vegetation along Isquulktpe Creek. All of the work was conducted in accordance with the HIP III Terms and Conditions.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 120 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*1/6/2014*		
BPA EC Lead Contact:	Jenny Lord	**Phone:**	503.230.5192
Project Contractor Contact:	David Lindley	**Phone:**	(509) 369-3565
Project Title:	Klickitat Watershed Enhancement		
BPA Project #:	1997-056-00		
BPA Contract #:	CR-231770A		
6th Field HUC 12 Digit Code Number:	HUC 4 17070106	**6th Field HUC Name**	HUC 4 Klickitat

Project Start and End Dates: ***Start***: 6/25/13 ***End***: 12/31/13

Actual project in-water work Start and End Dates:	***Start***:	***End***:
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	**NA feet**	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	0	0
Number of salmonids injured:	0	0
Number of salmonids killed:	0	0

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**			
					0 hrs	**+4 hrs**	**+8 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

All plantings were completed successfully and we will monitor the success of this work. Weed control is hopefully as successful as it can be. All monitoring accomplished successfully.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 120 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*11/14/2013*		
BPA EC Lead Contact:	Jenny Lord	**Phone:**	503.230.5192
Project Contractor Contact:	David Lindley	**Phone:**	(509) 369-3565
Project Title:	Klickitat Watershed Enhancement		
BPA Project #:	1997-056-00		
BPA Contract #:	CR-231770B		
6th Field HUC 12 Digit Code Number:	HUC 4 17070106	**6th Field HUC Name**	HUC 4 Klickitat

Project Start and End Dates:

Upper Klickitat Phase3	***Start***: 6/25/13	***End***: 7/9/13
Tepee Creek Phase 2	***Start***: 9/9/13	***End***: 11/5/13

Actual project in-water work Start and End Dates:	***Start***: 7/3/13	***End***: 10/31/13
F: 30. Realign, Connect, and/or Create Channel - Upper Klickitat Phase 3*	7/3/13	7/5/13
H: 30. Realign, Connect, and/or Create Channel – Tepee Creek Meadow Project (Phase 2)**	9/24/13	10/31/13
*Streamflow was diverted into an adjacent channel alignment and around the road x-ing/bridge installation site. In-channel construction was completed in the dry. Streamflow was reintroduced to the constructed channel on 7/5/13 resulting in elevated turbidity levels for a couple hours.		
**In water work accounted for 40% of the total work period. Stream was either dry or reduced to a series of isolated pools for a majority of the time. Streamflow through the reach occurred during 4 days of in-channel work. Turbidity higher than background was observed d.s. of site on 4 days and did not persist longer than 4 hours.		
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	**100 feet**	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	David Lindley, Fisheries Biologist, PO Box 215, Klickitat, WA 98682 (509)369-3565 Nicolas Romero, Fisheries Biologist, PO Box 215, Klickitat, WA 98682 (509)369-3568	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	Upper Klicktitat Phase 3 – 157 *(O. mykiss)* Tepee Creek Phase 2 - 180 *(O. mykiss)*	0
Number of salmonids injured:	Upper Klicktitat Phase 3 – none observed Tepee Creek Phase 2 - none observed	0
Number of salmonids killed:	Upper Klicktitat Phase 3 – none observed Tepee Creek Phase 2 - 2	0

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**			
					0 hrs	**+4 hrs**	**+8 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)
F. Upper Klickitat	~100 ft.	7/5/13	10-15	~50	80-90	10-15	N/A
H. Tepee Ck	~100 ft.	10/7/13	15-20	~50	60-70	15-20	N/A
H. Tepee Ck	~100 ft.	10/8/13	15-20	~50	60-70	15-20	N/A
H. Tepee Ck	~100 ft.	10/9/13	15-20	~50	60-70	15-20	N/A
H. Tepee Ck	~100 ft.	10/14/13	10-15	~50	50-60	10-15	N/A

**Note: all estimates were ocular estimates per the HIP3 Turbidity Monitoring Protocol. Estimates are presented as a range due to visual observations of turbidity being imprecise. In all instances, turbidity levels were elevated above background levels for very brief periods of time and quickly (less than 4 hours) returned to background levels.

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

Measures that were taken to prevent turbidity include:

- Temporary "dry" crossings installed for trucking access
- Bypass (pumping) of clean/clear water upstream around immediate work area on a given day
- Pumping of turbid water within excavation zone to filtration area (undisturbed forest floor or hillside)
- Localized finish-grading and erosion control upon completion of individual work areas and access

Instream work occurred with intermittent conditions (potential downstream movement of turbid water within, but not discharged from worksite) on the following dates:

- 9/23-9/27
- 10/10-10/11
- 10/15-10/17
- 10/21-10/24

Measures taken to minimize turbidity (when streamflow discontinuous):

- Temporary "dry" crossings installed for trucking access
- Pumping of turbid water within excavation zone to filtration area (undisturbed forest floor or hillside)
- Where rapid infiltration was occurring during excavation, pumping of turbid water within excavation zone to filtration area (undisturbed forest floor or hillside)
- Localized finish-grading and erosion control upon completion of individual work areas and access

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 120 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*11/04/2013*		
BPA EC Lead Contact:	Jenny Lord	**Phone:**	503.230.5192
Project Contractor Contact:	David Lindley	**Phone:**	(509) 369-3565
Project Title:	Klickitat Watershed Enhancement		
BPA Project #:	1997-056-00		
BPA Contract #:	56662 REL 23 - CR-231770C		
6th Field HUC 12 Digit Code Number:	HUC 4 17070106	**6th Field HUC Name**	HUC 4 Klickitat

Project Start and End Dates:

WE D: Construction Oversight - Haul Road – 4	***Start***: 9/4/13	***End***: 12/9/13
WE E: Construction Oversight – Upper Klick 3	***Start***: 6/25/13	***End***: 7/9/13

Actual project in-water work Start and End Dates:	***Start***:	***End***:
N/A – in water activities either covered under separate PNF (Upper Klickitat Phase 3) or by project co-sponsor (Haul Road Phase 4)	N/A	N/A
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	N/A	

☒ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Construction oversight of in-stream work not actual in-water activities.

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	N/A	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	N/A	N/A
Number of salmonids injured:	N/A	N/A
Number of salmonids killed:	N/A	N/A

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)
G	100 ft	10:45	100	-50 ft	300	200	150	110
N/A								

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

The PNF and PCF pertain to two construction oversight work elements and not actual in-water work activities. Therefore there are no in-water work impacts (turbidity and fish handling) to report on. For in-water work activities pertaining to WE: F – Upper Klickitat Phase 3 refer to PCF 231770B. Permitting for the Haul Road Phase IV is handled by the project co-sponsor Columbia Land Trust.

WE: F – Upper Klickitat Phase 3: In order to minimize turbidity the work site was isolated by diverting streamflow into an adjacent channel alignment and around the road x-ing/bridge installation site. In-channel construction was completed in the dry. Streamflow was reintroduced to the constructed channel on 7/5/13 resulting in elevated turbidity levels for a couple hours. In addition, finish grading and erosion control (native seed mix and straw mulch) was completed as individual work areas were finished.

WE D: Construction Oversight - Haul Road – 4: The Owner (Columbia Land Trust) is responsible for ensuring that Owner Specifications are followed by the Contractor and that all applicable environmental permit requirements are met.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*11/05/2013*		
BPA EC Lead Contact:	Kurt Unger	**Phone:**	(503)230-5885
Project Contractor Contact:	Joe McCanna	**Phone:**	(541)352-9326
Project Title:	Hood River Fish Habitat Sampling		
BPA Project #:	**1998-021-00**		
BPA Contract #:	58390B		
6th Field HUC 12 Digit Code Number:	170701050803	**6th Field HUC Name**	Lower Hood River

Project Start and End Dates: ***Start***: 3/1/2013 ***End***: 11/01/2013

Actual project in-water work Start and End Dates:	***Start***: March 19, 2013	***End***: November 1, 2013
Work Element E. Pesticide Assessment in Hood River Subbasin	March 19, 2013	November 1, 2013
Work Element K. East Fork Aquatic Habitat Survey	August 6, 2013	August 28, 2013
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	0 feet	

[x] **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		
Number of salmonids injured:		
Number of salmonids killed:		

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

Project Sponsor provided support to, and reviewed work completed by subcontractors conducting the pesticide monitoring field work, laboratory work, data analysis, reporting and BMP monitoring. Water samples were collected from Neal Creek, Odell Creek and Hood River throughout the spray season to determine if pesticides were present.

Conducted physical habitat surveys for approximately 36 miles of the East Fork Hood River, Dog River, and Crystal Springs Creek using the standard Oregon Department of Fish and Wildlife (ODFW) Aquatic Inventory Project (AIP) protocol version 12.1 with an additional spawning gravel parameter. GIS coverages of attributes at the reach scale were provided.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*2/3/2014*		
BPA EC Lead Contact:	Israel Duran	**Phone:**	503-230-3967
Project Contractor Contact:	Adam Haarberg	**Phone:**	541-923-4358 ext. 129
Project Title:	Trout Creek Watershed Restoration		
BPA Project #:	1998-028-00		
BPA Contract #:	60805A		
6th Field HUC 12 Digit Code Number:	170703070502	**6th Field HUC Name**	Trout Creek

Project Start and End Dates: ***Start***: 10/17/13 ***End***: 11/30/13

Actual project in-water work Start and End Dates:	***Start***: 10/17/13	***End***: 10/31/13
There was no water in the creeks during work.		
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	feet	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		
Number of salmonids injured:		
Number of salmonids killed:		

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

All construction occurred during the low flow period of late summer within ODFW's instream work period (July 1- Oct. 31), and in fact there was no water during construction. Construction took less than one week to complete. Disturbance was minimized and project footprint seeded with native seed mixture.

The entire project area is currently excluded from livestock grazing through the USDA's Conservation Reserve Enhancement Program (CREP).

Monitoring the project sites will consist of photo points and GPS survey including longitudinal profile and cross sections.

Nartz:

Locally sourced LWD structures placed in and along the streambank sing a tracked excavator. The structure was anchored into the bank with the rootwad facing towards out into the stream. The areas between the logs was planted with native trees and shrubs as well as seeded with native grasses and forbs to provide additional protection and cover/shade long into the future.

High pressure PVC pipe was buried well below the streambed, protected from the elements, to address semi-annual disturbance to the stream due to the current intake. This will allow the landowner to get his water across the stream without having to get in the stream with a backhoe after high winter flows. A flowmeter was attached to the 6" diameter mainline to aid in irrigation management.

Ledbetter:
A tracked excavator was used to place ballast rocks and large log/rootwads. Once the logs were sited, they were pinned with 7/8” rebar rods to help strengthen the structures. Post construction, the disturbed areas were seeded with native grass seed and planted with approximately 100 native trees and shrubs.

HIP II PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

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Date of Submittal	*6-30-13*		
BPA EC Lead Contact:	Jenna Peterson	**Phone:**	503-230-3018
Project Contractor Contact:	Eleanor Bosman-Clark	**Phone:**	(509) 422-7418
Project Title:	Omak Creek Anadromous Fish Habitat and Passage Project		
BPA Project #:	2000-001-00		
BPA Contract #:	56647A		
6th Field HUC 12 Digit Code Number:	170200060410	**6th Field HUC Name**	Lower Omak Creek

Project Start and End Dates: ***Start***: 5/25/12 ***End***: 8/31/12

Actual project in-water work Start and End Dates:	***Start***:	***End***:
Bank stabilization – installation of three engineered log J hook vanes (with logs and rootwads)	9/18/2012	10/11/12
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	200	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.☐

Supervisory Natural Resource Specialist (name, address & telephone number):	Chris Fisher 25B Mission Road Omak, WA 98841 (509) 422-7427	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	28	0
Number of salmonids injured:	0	0
Number of salmonids killed:	0	0

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP II BO consultation:

Please describe how the project followed the minimization measures outlined on pages 4 – 7 on the custom report attached to the email, as well as the project specific minimization measures outlined below:

This project utilized jog veins to stabilize an eroding bank topped with a road prism. The logs were intact, hard, and undecaying, and their root wads were attached. The work window for this project was mid-September to mid-October when the stream was at base flow. The riparian and instream areas disturbed by construction were the minimum required to complete the project.
Before any construction started, the project area was blocked with nets on the upstream and downstream end and was de-fished. Collected fish were relocated downstream of the project area. No adult salmonids were present in the project area. The project area remained blocked by nets for the duration of the project.
The excavator used for this project was fueled and cleaned before it was delivered to the project site. The excavator was equipped with a spill kit and a spill containment plan. Silt fencing was installed to prevent sediment deposition to the stream channel. This project did not involve any temporary access roads or temporary stream crossings.
After construction, the disturbed project area was seeded with a native seed mix.

In addition to the general minimization measures and those for construction activities described in Activity Report #1, the following specific methods must be used in order to minimize adverse effects to fish and their habitats from streambank erosion control activities:
30. Use of Large Wood and Rock. Whenever possible, large wood will be used as an integral component of all streambank protection treatments.

The use of rock, stone and similar materials will be avoided or minimized. Large wood will be intact, hard, and undecayed to partly decaying with untrimmed root wads to provide functional refugia habitat for fish. Use of decayed or fragmented wood found lying on the ground or partially under ground is not acceptable. If LWD is used primarily for bank stabilization, limit the total project length to 250 feet. Use cables sparingly and favor bioengineering techniques. Rock may be used instead of wood for the following purposes and structures. The rock will be class 350 metric (700 pounds), or larger, wherever feasible, but may not impair natural stream flows into or out of secondary channels or riparian wetlands. Rock will be used: (A) As ballast to anchor or stabilize LWD components of an approved bank treatment; (B) to fill scour holes, as necessary to protect the integrity of the project, if the rock is limited to the depth of the scour hole and does not extend above the channel bed; (C) to construct a footing, facing, headwall, or other protection necessary

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*12/19/2013*		
BPA EC Lead Contact:	Brenda Aguirre	**Phone:**	503-230-5928
Project Contractor Contact:	Rey Weldert	**Phone:**	509-540-5498
Project Title:	Walla Walla Salmonid Production Monitoring and Evaluation		
BPA Project #:	**2000-039-00**		
BPA Contract #:	60695A		
6th Field HUC 12 Digit Code Number:	170701021102	**6th Field HUC Name**	Mud Creek – Walla Walla River

Project Start and End Dates: ***Start***: 7/29/13 ***End***: 7/29/13

Actual project in-water work Start and End Dates:	***Start***: 7/29/13	***End***: 7/31/2013
Digging trench and installing PIT Tag antenna	7/29/13	7/31/2013``
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	<150 feet	

x **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	0	
Number of salmonids injured:	0	
Number of salmonids killed:	0	

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)
H. 70 Note: Sponsor made visual observations.								

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

Type of Action(s) = 8. Fisheries, Hydrologic, and Geomorphologic Surveys

We began the process of putting in the passover antenna by digging a 2 foot wide trench across the river about 9 inches deep. This was all done with hand tools. The plume of silt dissipated over 20 yards as it went downstream. At one point we had to dig into the bank to get enough length for the antenna about one foot. This developed a heavier plume near the shoreline but still drifted down river no more than 50 yards. Most digging occurred on the first day (29th). Note: The heavier plume exceeded the allowable distance downstream from the project area for streams between 30 and 100 feet wide per the turbidity monitoring protocol. (The stream width at this location is 59-feet wide.) The activity causing the heavier plume was a onetime event and occurred over a short amount of time (~1/2 hour). The turbidity level returned to background levels well before the next day's activities.

Stream temperatures were such that the likelihood of salmonids in this area were very marginal.

Day 2 consisted of securing the antenna with anchors in the stream bed. Again this created very little suspended solids in the water column. The small trench along the shoreline to the electronic installation created no sedimentation in the river. This project was completed in 2 days. No moving mechanical equipment was used in the river at any time. The PIT array became operational 8/1/2013

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

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Date of Submittal	*12/24/2013*		
BPA EC Lead Contact:	Israel Duran	**Phone:**	503-230-3967
Project Contractor Contact:	Steph Charette	**Phone:**	541-820-4521
Project Title:	Forrest Conservation Area		
BPA Project #:	2001-041-00		
BPA Contract #:	60962A		
6th Field HUC 12 Digit Code Number:	170702010801	**6th Field HUC Name**	Strawberry Creek

Project Start and End Dates: ***Start***: 7/29/13 ***End***: 9/30/13

Actual project in-water work Start and End Dates:	***Start***:	***End***:
None	N/A	N/A
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	feet	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		
Number of salmonids injured:		
Number of salmonids killed:		

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

J : 47. Plant Vegetation - Plant Seed and Locally Collected Cuttings-

K : 197. Maintain/Remove Vegetation – Test Plot on the Uplands for Ventenata/Medusahead-

L : 197. Maintain/Remove Vegetation – Remove Invasive/Noxious Weeds-400 acres maintained for noxious weed removal and actual/proposed herbicide use reporting turned in.

M : 157. Collect/Generate/Validate Field and Lab Data – Monitor Property Fish, Habitat, and Flow Data-

Seed and cuttings were planted successfully on the properties, with no long-term disturbances to the riparian areas. The Medusahead test plot was burned and treated with herbicides in the fall of 2013. Actual herbicide use reporting forms have been submitted. Collection of data on the properties has also been completed for 2013 with no ground disturbing activities taking place. In all management and data collection activities, care is always been taken to ensure the spread of noxious weeds has been minimized through proper washing and decontamination practices.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

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Date of Submittal	*10/28/2013*		
BPA EC Lead Contact:	Chris Fryefield	**Phone:**	(503) 230-4187
Project Contractor Contact:	Kacy Markowitz	**Phone:**	(503) 417-8700 6010
Project Title:	Water Entity – Water Transaction Program		
BPA Project #:	**2002-013-01**		
BPA Contract #:	58768A		
6th Field HUC 12 Digit Code Number:	Lostine River 170601050204 Roberts Ck 170702010501 Berry Ck 170702010704	**6th Field HUC Name**	Lower Lostine River Headwaters John Day River Lower Canyon Creek

Project Start and End Dates: ***Start***: 5/1/13 ***End***: 7/1/13

Actual project in-water work Start and End Dates:	***Start***: 5/1/2013	***End***: 7/11/2013*
Installation/removal of flow measuring device Roberts Creek	5/1/2013	5/1/2013
Installation/removal of flow measuring devices Lostine River	07/11/2013*	7/11/2013*
Installation/removal of flow measuring devices Berry Creek	5/1/2013	5/1/2013
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	0 feet	

☒ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		
Number of salmonids injured:		
Number of salmonids killed:		

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)
G	100 ft	10:45	100	-50 ft	300	200	150	110

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

Staff gauges installed in the three watersheds listed above to measure streamflow. Installation of the gauges only took one day, hence the start/end dates for installation being the same. No turbidity caused by project, no fish captured.

Berry Creek:

- All three loggers were deployed on May 1st and began logging on May 8th of 2013 at 15:15:00. Loggers were pulled on July 21st. *Summer flow in Berry Creek can reach as low as 3 cubic feet per second. Each data logger was installed within an irrigation channel to measure actual water use, and therefore outside the stream itself. Loggers were either attached to existing concrete diversion structures or attached to an existing flume within the irrigation channel. Each data logger measured water level and temperature in 15 minute intervals.*

Lostine River:

- Tulley Hill and City of Lostine Diversion gauges were installed on July 11th (*Note from above work table – there was a slight delay and theses gauges was not installed on July 1st as originally stated in the PNF, we due to weather conditions) and were taken out October 24th. *Loggers were installed on the margins of the Lostine River channel, and attached to existing diversion structures. Each data logger measured water level and temperature in 15 minute intervals. Summer low flow on the Lostine River can reach as low as 15 cubic feet per second.*

Roberts Creek:

- Logger was deployed on May 1st and is still logging. I am going out to Roberts Creek in November. *This logger was installed along the margin of Roberts Creek, below a culvert. The data logger measures water level and temperature in 15 minute intervals. Summer low flow in Roberts Creek can reach flows as low as 3 cubic feet per second.*

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

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DATE OF SUBMITTAL: **January 26, 2014**

BPA EC Contact: Dawn Boorse **Phone:** 503-230-5678

Project Title: Asotin County Conservation District – Luhn Bridge

BPA Project #: 2002-050-00 **BPA Contract #:** 61553A

Project Contractor Contact: Megan Stewart **Phone:** 509-758-8012

6th Field HUC 12-digit code: 170601030304 **HUC Name**Snake River/Captain John Crk

Project Start and End Dates: **Start**: **End**:

In-water activity (Please include WE)	**In-water Start Date**	**In-water End Date**
None (only time we were in the water was to cross with the equipment and move materials to the opposite site of the creek and back		
Lineal extent of observed turbidity downstream of project site		feet

☐ **Check Box if project included instream work, but not in-water or near-water construction.**
☐ **Check Box if project included work area isolation.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, contact info, address):		
Type of take	**Interior Columbia Basin**	**Lower Columbia (Hood River downstream) and Willamette**
Number of salmonids Captured:	N/A	
Number of salmonids Injured:	N/A	
Number of salmonids Killed:	N/A	

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP II BO consultation. Please include:

For any action involving RRT review, a copy of information used to satisfy the data requirements and analysis as described below in the design criteria for the proposed activity.
Photos of habitat conditions before, during, and after action completion.
Any dates work ceased due to high flows.
Evidence of compliance with fish screen criteria, as defined below, for any pump used.
A summary of the results of pollution and erosion control inspections, including any erosion control failure, contaminant release, and correction effort.
The number, type, and diameter of any pilings removed or broken during removal.
A description of any riparian area cleared within 150 feet of Ordinary High Water.
A description of site restoration completed.

This project replace a rocked ford crossing on Tenmile Creek (a perennial stream) with a fifty-five foot rail car bridge. This ford was the main access for property on the opposite side of the stream for the landowner. The ford was the most used of three fords that provide access for livestock, ranch vehicles and machinery to the 1800 acres of ranch ownership adjacent to Tenmile Creek. Tire ruts mound up the stream bottom rocks made it difficult for fish to pass through the ford at low water.

Prior to the completion of this project approximately 350 cow-calf pairs use this crossing twice a year as they are moved from their winter pasture into this spring pasture and back again. The ranch has developed alternate spring water for the cattle in this area. Replacing this ford with a bridge will reduce sediment from entering the creek from both ford approaches, reduce fecal matter entering the stream, make fish passage much easier in low flow periods, and prevent potential disturbance to spawning fish and redds.

Two track hoes were used for setting the bridge, placement of the precast bridge abutments, and placing fill on bridge approaches. Abutments were placed outside the ordinary high water mark, and all other work was done within the 100 year floodplain. The project require equipment access to the opposite bank and was be limited to crossing the creek. There was riparian vegetation, mainly Alder, that had to be removed to allow adequate space for the track hoes to work.

All grass seed was planted to stabilize the disturbed soil and reduce the risk of weed infestation. In addition, 250 willows were planted along the stream to replace the vegetation that was removed and provide additional streambank stabilization. There were 30 trees planted in the floodplain to provide riparian vegetation and stream shading.

Before construction during low summer flows at ford crossing

After bridge is set


CAT
DAFX


CAT

HIP III PROGRAMMATIC - CONSULTATION

PROJECT COMPLETION FORM

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Date of Submittal	**10/31/13**		
BPA EC Lead Contact:	Jenny Lord	**Phone:**	503.230.5192
Project Contractor Contact:	Nikki Lane/Lynn Rasmussen	**Phone:**	208.843.2931/208-843-2931
Project Title:	Lapwai Creek Watershed Restoration		
BPA Project #:	2002-070-00		
BPA Contract #:	57048A		
6th Field HUC 12 Digit Code Number:	1706030601206	**6th Field HUC Name**	Lapwai Creek

Project Start and End Dates: ***Start***: 5/19/2012 ***End***: 4/30/2013

Actual project in-water work Start and End Dates:	***Start***: 5/1/12	***End***: 4/30/13
WE J-Collect Generate/Validate Field an Lab Data	5/1/12	11/30/12
WE U- Install Fish Passage Structure-Not Completed	5/1/12	4/30/13
WE Z- Improve Road- Not Completed	5/1/12	3/31/13
WE AD- Improve Road- Not Completed	5/1/12	4/30/13
WE AE- Create, Restore, and/or Enhance Wetland- Not Completed	5/1/12	4/18/13
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	0 feet	

☒ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.☐

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		
Number of salmonids injured:		
Number of salmonids killed:		

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP II BO consultation:

All HIP II BO terms and conditions were met. No salmonids were found on site.

HIP II PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 120 days of completing a project covered under the HIP II programmatic biological opinion (HIP II BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov. Use the NMFS Public Consultation Tracking System-Consultation Initiation and Reporting System (CIRS) to submit this report when the online system becomes available.

Date of Submittal	**8/13/2013**		
BPA EC Lead Contact:	Brenda Aguirre	**Phone:**	503-230-5928
Project Contractor Contact:	Marcie Carter	**Phone:**	208-621-3534
Project Title:	Restore Selway River Watershed		
BPA Project #:	2007-092-00		
BPA Contract #:	53830A		
6th Field HUC 12 Digit Code Number:	5th Field HUC = 17060302	**6th Field HUC Name**	Lower Selway

Project Start and End Dates: ***Start***: 6/01/2012 ***End***: 11/01/2012

Actual project in-water work Start and End Dates:	***Start***: 7/1/12	***End***: 10/11/12
Work Element F – Collect data on existing culverts/bridges	7/1/12	10/11/12
Work Element G - Collect data on replaced culverts/bridges	7/1/12	10/11/12
Work Element H – Collect data on stream habitat	7/1/12	10/11/12
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet measurement.	30 feet	

☒ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.☐

Supervisory Natural Resource Specialist (name, address & telephone number):	Not necessary for proposed actions.	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		
Number of salmonids injured:		
Number of salmonids killed:		

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP II BO consultation:

General Conditions Applicable to All Actions:

1. All applicable regulatory permits and official project authorizations (e.g. National Environmental Policy Act, National Historic Preservation Act, and Endangered Species Act) were obtained.
2. Restoration Actions did not affect listed resident aquatic and all plant and terrestrial animal species.
3. Reasonable access to the project was provided.
4. No sick, injured, or dead threatened or endangered species were observed within the project area during the perfomance of these actions.

***Specific Work Elements and assessment of success in meeting terms and conditions*:** All work, under each of the Work Elements, was completed in compliance with Term and Condition #3. No spawning fish or evidence of redds were observed by field personal at these locations at the time of surveys.

F: 115 (Collect data on existing culverts and bridges) - Ten culverts/bridges were assessed.

G: 157 (Collect data on replaced culverts and bridges) - Year 0 monitoring was conducted on Twenty Three Mile Creek culvert (replaced in 2012).

H: 157 (Collect data on stream habitat) – Reference reach monitoring data was collected at three sites in O'Hara Creek, a major tributary to the Selway River .

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 120 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to NMFS at hip.nwr@noaa.gov. EC lead should send the completed form to the project sponsor.

DATE OF SUBMITTAL: **6/5/2013**

BPA EC Contact: Dan Gambetta **Phone:** 503-230-3493

Project Title: Replacing two culverts with AOP's on Cox Creek, Wapiti Meadows

BPA Project #: 2007-127-00 **BPA Contract #:** 56442A

Project Contractor Contact: Wesley Keller **Phone:** 208-634-3031

6th Field HUC 12-digit code: 170602080307 **HUC Name** Johnson Creek-Porcupine Creek

Project Start and End Dates: **Start**: 5/7/2012 **End**: 10/30/2012

In-water activity (Please include WE)	In-water Start Date	In-water End Date
WE # J Construct Culvert on Cox Creek	10/16/2012	10/18/2012
Lineal extent of observed turbidity downstream of project site		100 feet

[X] **Check Box if project included instream work, but not in-water or near-water construction.**

[ ] **Check Box if project included work area isolation.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, contact info, address):	Wesley Keller wesleyk@nezperce.org	
Type of take	**Interior Columbia Basin**	**Lower Columbia (Hood River downstream) and Willamette**
Number of salmonids Captured:	22	
Number of salmonids Injured:	0	
Number of salmonids Killed:	0	

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation. Please include:

1. **For any action involving RRT review, a copy of information used to satisfy the data requirements and analysis as described below in the design criteria for the proposed activity.**
2. **Photos of habitat conditions before, during, and after action completion.**
3. **Any dates work ceased due to high flows.**
4. **Evidence of compliance with fish screen criteria, as defined below, for any pump used.**
5. **A summary of the results of pollution and erosion control inspections, including any erosion control failure, contaminant release, and correction effort.**
6. **The number, type, and diameter of any pilings removed or broken during removal.**
7. **A description of any riparian area cleared within 150 feet of Ordinary High Water.**
8. **A description of site restoration completed.**

As part of the Wapiti Meadow Ranch Conservation Easement restoration work, the NPT-WD replaced an existing undersized culvert on Cox Creek that functioned as a fish passage barrier. The original 24" pipe culvert was replaced with a 5' span x 2' rise precast concrete bridge to provide fish passage for all species at all life stages. Implementation included project design, engineering and permitting by NPT staff, contractors and regulatory agencies. The installation was performed in October, 2012 and included removal of the old culvert, placement of concrete block footings on 6 inches of ¾" gravel base, and placement of the precast concrete open bottom box culvert. The affected construction area was reconstructed to simulate natural streambed within the structure, road fill was placed and native plants, mulching and erosion control were implemented in the disturbed area.

Photos of habitat conditions before, during, and after action completion.

,	
Pre-Installation: Looking Upstream at Outlet and Tail-Water Cross Section	 Post Installation: Looking Upstream at Outlet

Pre-Installation: Looking Downstream at Inlet

Post Installation: Looking Downstream at Inlet

Any dates work ceased due to high flows.

All work was completed in October during base flows, no high flows were encountered.

Evidence of compliance with fish screen criteria, as defined below, for any pump used.

Prior to work beginning an extensive dip net survey was conducted on Cox Creek above the culvert that determined no fish were above this culvert.

A summary of the results of pollution and erosion control inspections, including any erosion control failure, contaminant release, and correction effort.

A good deal of effort was placed on minimizing sedimentation into Cox Creek. All in-stream work was done in the dry. Prior to re-watering substrate inside the culvert was flushed to remove fines and pumped into the meadow (see picture). Turbidity samples were taking using a LaMotte 2020E Turbidity meter. Three samples were taken at each time period and averaged. Results showed a small increase in turbidity that quickly resided after an hour. Turbidity never exceeded or reached the 50 NTU threshold.

Turbidity Results at Cox Creek Culvert		
Time of Reading	Location of Reading	Average Turbidity (NTU)
10/18/2012-10:45 am (5 min before re-water: baseline)	100 feet below culvert	0
10/18/2012-10:50 am (5 min after re-water)	100 feet below culvert	15.0
10/18/2012-11:20 am (30 min after re-water)	100 feet below culvert	12.0
10/18/2012-11:50 am (60 min after re-water)	100 feet below culvert	6.0
10/18/2012-12:50 am (120 min after re-water)	100 feet below culvert	2.0

The number, type, and diameter of any pilings removed or broken during removal.

N/A

A description of any riparian area cleared within 150 feet of Ordinary High Water.

The bulk of the project area occurred on an existing road prism. We had the contractor grab several large willows in the project area and replant them after the culvert was installed. After examining the willows this year they survived the transplant process. Thirty additional riparian plants (Dogwood, willow) were planted on disturbed grounds near the culvert. Riparian disturbance outside the road prism was minimal.

A description of site restoration completed.

Once the culvert was installed, any impacted riparian habitat was planted and stabilized to reduce future sedimentation. Waddles were staked on bare ground to retain sediment. The approach road to the culvert was graveled to further reduce sedimentation.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

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Date of Submittal	*01/10/2014*		
BPA EC Lead Contact:	Ted Gresh	**Phone:**	503-230-5756
Project Contractor Contact:	Keith Kisler	**Phone:**	(509) 422-7429
Project Title:	Okanogan Subbasin Habitat Implementation Program		
BPA Project #:	2007-224-00		
BPA Contract #:	61162A		
6th Field HUC 12 Digit Code Number:	170200060108	**6th Field HUC Name**	Upper Okanogan River

Project Start and End Dates: ***Start***: 10/23/13 ***End***: 10/23/13

Actual project in-water work Start and End Dates:	***Start***: 10/23/13	***End***: 10/23/13
Wild Horse Spring Creek Culvert	10/23/13	10/23/13
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	50 feet	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	Keith Kistler, 25B Mission Road, Omak, WA 98841, 509-422-7429	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	101	
Number of salmonids injured:	0	
Number of salmonids killed:	1	

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

Wild Horse Spring Creek Culvert: A perched culvert was removed from Wild Horse Spring Creek, a small, spring-fed tributary to the Okanogan River. The in-water work was completed quickly, since it only involved removing the culvert and replacing the crossing with a bridge. Turbidity was visually monitored and very little turbidity was noted (>10% then 50 feet upstream of the project) and only for a very brief time period.

Wildhorse Spring Creek Realignment: This work was not implemented.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

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Date of Submittal	*1/31/14*		
BPA EC Lead Contact:	Jenna Peterson	**Phone:**	503-230-3018
Project Contractor Contact:	Amy Charette	**Phone:**	541-575-1866
Project Title:	John Day Tributary Passage and Flow CAP 2013		
BPA Project #:	**2007-397-00**		
BPA Contract #:	56228D		
6th Field HUC 12 Digit Code Number:	170702011101	**6th Field HUC Name**	Warrens Creek

Project Start and End Dates:	***Start***: 7/15/2013	***End***: 12/31/13
Actual project in-water work Start and End Dates:	***Start***: 7/15/2013	***End***: 8/31/2013
WE F: Chandler Passage Improvement Project	7/15/2013	8/31/2013
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	100 Feet	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

***Please note that Work Element DP: Assessment of herbicide use for juniper management was mistakenly included on both PNF 56228D and PNF56228E. It was already reported on in PCF56228E and therefore will not be included in this form.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	Amy Charette, 320 W Main Street, John Day OR, 97845 (541)575-1866	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	NA	NA
Number of salmonids injured:	NA	NA
Number of salmonids killed:	NA	NA

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)
WE F: Chandler Passage Improvement Project	0 ft			-100 ft (See attached sheet)				

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

WE F: Chandler Passage Improvement Project	This project involved removing the existing fish passage consisting of sheet steel and replacing it with a side channel weir and pool passage, and extending the check sill at an existing lay-flat stanchion diversion that was installed in 2006. The prefabricated weir and pool fish passage was installed along the channel bank and capable of operating in bypass flows less than 1 CFS. This fish passage was installed on the same side as the diversion headgate and adjacent to the thalweg and high flow spillway. This passage is consistent with passage criteria for both juvenile and adult species. The project also replaced the large rock in the apron below the check sill and stabilized rock with a steel check wall

	located approximately 30 feet below the check sill. The design of the fish passage is consistent with NOAA Fisheries (NMFS 2008), US Fish and Wildlife Service, and ODFW standards for both juvenile and adult species. This project was implemented according to the terms and conditions of the HIP II/minimization measures.

PROJECT: Cucumber

TURBIDITY MONITORING OBSERVATION RECORD

DATE	TIME	Upstream Observation (approximately 100' upstream of project)	Down Stream Observation 50' when stream width < 50' 100' when stream width >30' & < 100' 200' when stream width >100'	Remarks
7/29	7:30			
	↓ 9:00	Clear	mild	removal of ex. riprap work isolation
	↓	Clear	mild occasionally	transporting materials
7/30	↓	Clear	none	
8/5	8:00	Clear	muddy < 20 min	
	8:30 ↓	Clear	clear	
8/6	7:00	Clear	no turb	
	↓			
8/7	11:00	clear	mild	
	17:00 ↓	clear	clear	
8/8	↓	Clear	Clear	
8/9	8:30	clear	minimal turb	material movement
	↓ 9:30			

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

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Date of Submittal	*1/31/14*		
BPA EC Lead Contact:	Jenna Peterson	**Phone:**	503-230-3018
Project Contractor Contact:	Amy Charette	**Phone:**	541-575-2866
Project Title:	John Day Tributary Passage and Flow CAP		
BPA Project #:	2007-397-00		
BPA Contract #:	56228E		

6th Field HUC 12 Digit Code Number:	17070204038 170702011204 170702041206 170703030802 170702010904 170702021003	**6th Field HUC Name**	Bridge Creek Mountain Creek Lower Rock Paulina Creek Laycock Creek Lower North Fork John Day

Project Start and End Dates: ***Start***: 7/15/13 ***End***: 12/31/13

Actual project in-water work Start and End Dates:	***Start***: 7/15/13	***End***: 9/30/13
WE S: Lower Bridge Creek Connectivity – Install pivot	7/15/13	9/30/13
WE CI: Lower Bridge-Bear Creek Habitat Water Quality Phase 2	7/15/13	9/30/13
WE CR: Willow Creek Pipeline	7/15/13	9/30/13
WE DE: Additional work on the Upper Kayser Diversion	7/15/13	9/30/13
WE DK: Stimac Pump Station	7/15/13	8/30/13
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	0 feet	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	Amy Charette, 320 W Main Street, John Day OR, 97845 (541)575-1866	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	NA	NA
Number of salmonids injured:	NA	NA
Number of salmonids killed:	NA	NA

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)
Not Applicable								

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

WE S: Lower Bridge Creek Connectivity – Install pivot	This project installed 2 pivots at a site is located on Bridge Creek approximately 1/8 of a mile from the confluence of Bridge Creek and the John Day River. This project was implemented according to the terms and conditions of the HIP II/minimization measures.
WE CI: Lower Bridge-Bear Creek Habitat Water Quality Phase 2	This was the second phase of the Lower Bridge-Bear Creek Habitat Project. Activities include fencing riparian areas and riparian plantings. Fencing was implemented according to the terms and conditions of the HIP II/minimization measures that no grazing will be allowed within riparian area fenced exclosures unless a separate, individual consultation on the grazing plan is completed Riparian plantings were implemented according to the

	terms and conditions of the HIP II/minimization measures.
WE CR: Willow Creek Pipeline	This project converted approximately 3 miles of open ditch to an enclosed pipeline. This project was implemented according to the terms and conditions of the HIP II/minimization measures.
WE DE: Additional work on the Upper Kayser Diversion	This work element made improvements to another project under a previous contract. The original project was improvement to an irrigation diversion that was a barrier to fish passage. This work element re-graded an area 70'W by 300'L to improve passage and large rock was added to assure stability. The initial work involved re-grading and packing from the diversion downstream about two hundred fifty feet using fill with rock up to two feet in diameter. Five grade control structures were placed approximately fifty feet apart. After a year in operation it became apparent, that in order to maintain stability and juvenile fish passage, two additional grade control structures and the placement of additional large rocks between the first grade control and the diversion would be needed. This work included bringing in more 24 in. diameter material and re grading and packing the area between the first and second structure. The original design had about a two foot grade differential between the first and second grade control structures. This second phase cut the drop between structures to 8” removing some of the cutting taking place below the first structure. Additionally, placing three and four foot rock from the upper structure to the diversion will break up sheet flow and churning of the water coming over the diversion. This should also take some stress off the first structure This project was implemented according to the terms and conditions of the HIP II/minimization measures.
WE DK: Stimac Pump Station	This project is located on Canyon Creek which flows into the Upper John Day River in John Day Oregon. The diversion is located about 9 miles South of John Day, Oregon on Highway 395. The existing pump station requires a pushup dam in the channel to create a pool for the suction line. This project relocated the pump station to utilize a natural channel pool for the pump suction. Some electrical work and discharge line reconfiguration/extension were also necessary to make the irrigation system serviceable. The pump is screened to meet NMFS Anadromous Salmonid Passage Facility Design Guidelines (NMFS

	2007) This project was implemented according to the terms and conditions of the HIP II/minimization measures for replacing an existing diversion with a pump station.
WE DL: Enright RFC	The Enright Return Flow Cooling Project is located along the Upper John Day River about 1.5 miles west of Mount Vernon, Oregon on Highway 26. The site is a meadow that has been previously converted to drained agricultural ground by the installation of a field drain system. This RFC repaired and replaced the existing field drain system to provide return flow cooling benefits to the John Day River and improve field irrigation efficiency and production. This project was implemented according to the terms and conditions of the HIP II/minimization measures.
WE DP: Assessment of herbicide use for juniper management	This project treated approximately 8 upland acres of juniper with BPA approved herbicides using stem application with a backpack sprayer. The purpose of this project was looking at effective chemical control rates and techniques for juniper management. Juniper encroachment in both riparian and upland habitat is negatively affecting fish and wildlife habitat by altering the natural plant communities, which causes increased sedimentation rates, decreased water infiltration rates, decreased groundwater flows, and increased risk of catastrophic fire. The increased ability to remove and manage more juniper will help return the natural balance and function to both the uplands and riparian areas that have been invaded by juniper. This project evaluated the use of herbicides as a technique to treat stands of encroaching juniper as a more cost-effective means than traditional felling of trees and with less risk than prescribed burning. This project was implemented according to the terms and conditions of the HIP II/minimization measures; including the general herbicide conservation measures, the drift and leach reduction minimization measures, herbicide mixing minimization measures, spills and misapplication minimization measures, herbicide handling minimization measures, storage of herbicides, containers, and equipment minimization measures, herbicide disposal minimization measures, herbicide reporting, and herbicide adaptive management.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

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Date of Submittal	*09-10-2013*		
BPA EC Lead Contact:	Dawn Boorse	**Phone:**	(503) 230-5678
Project Contractor Contact:	Jennifer Nelson, WDFW	**Phone:**	(509) 457-9307
Project Title:	YTAHP_Teanaway River_3M Ditch Project		
BPA Project #:	**2007-398-00**		
BPA Contract #:	52299A		
6th Field HUC 12 Digit Code Number:	170300010205	**6th Field HUC Name**	Middle Fork Teanaway River-Teanaway River

Project Start and End Dates: ***Start***: 8/1/2011 ***End***: 5/5/2013

Actual project in-water work Start and End Dates:	***Start***:	***End***:
No Inwater Work Required. Screens were set in the streams at the start of irrigation season	N/A	N/A
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	N/A feet	

XX **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	N/A – no inwater construction occurred and no fish rescues were required	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	N/A	
Number of salmonids injured:	N/A	
Number of salmonids killed:	N/A	

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.
N/A

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)
NA								

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP II BO consultation:
All of the terms and conditions of the HIP II BO were met and overhead power lines were installed as requested and approved in the PNF. All water rights from the 3M Ditch have been transferred downstream closer to the points of use and there will no longer be a need to do instream work to convey water down the leaky 3M Ditch. The results of this project are better protection of fish life by improved fish screen operations on irrigation diversions, increased instream

flow through from the 3M Ditch headworks to the most downstream point of diversion, and more efficient use of on farm water resulting in increased instream flow to the confluence of the Teanaway River with the Yakima River.

Fish screen at new point of diversion in pond for one of the irrigators.

Movable pumps on trailer.

New point of diversion on Mason Ck.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

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Date of Submittal	*08/21/2013*		
BPA EC Lead Contact:	Dawn Boorse	**Phone:**	(503) 230-5678
Project Contractor Contact:	Dave Myra	**Phone:**	(509) 454-5736 x128
Project Title:	Yakima Basinwide Tributary Passage and Flow Parke Cr-Dodge		
BPA Project #:	**2007-398-00**		
BPA Contract #:	56617A		
6th Field HUC 12 Digit Code Number:	1703000010409	**6th Field HUC Name**	Cooke Creek

Project Start and End Dates: ***Start***: March 28, 2013 ***End***: July 15, 2013

Actual project in-water work Start and End Dates:	***Start***: N/A	***End***: N/A
The only instream work was setting the screen in the channel-it floats so there was no disturbance or turbidity	N/A	N/A
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	N/A feet	

☒ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	Jennifer Nelson, WDFW 1701 S. 24th Avenue Yakima, WA 98902 (509) 457-9307 No fish rescue was required because there was no inwater work.	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	N/A	
Number of salmonids injured:	N/A	
Number of salmonids killed:	N/A	

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	Upstream			Downstream				
					0 hrs	+4 hrs	+8 hrs	+12 hrs
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)
G	100 ft	10:45	100	-50 ft	300	200	150	110
AB	N/A							
AC	N/A							
AD	N/A							
AE	N/A							

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP II BO consultation:

All of the terms and conditions in the HIP III BO were met with implementation of this project. The new fish screen and flow measuring device are working well as is the new sprinkler system. The project resulted in nearly 4 cfs

remaining instream to benefit fish and wildlife habitat. Conversion to the sprinkler system results in less tailwater from the field entering Parke Creek, thereby improving water quality. The entire project was completed as planned and is considered a success.

Figure 1. This is a photo of the new fish screen in operation. The photo was taken July 18, 2013.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 120 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov. Use the NMFS Public Consultation Tracking System-Consultation Initiation and Reporting System (CIRS) to submit this report when the online system becomes available.

Date of Submittal	*01/24/2014*		
BPA EC Lead Contact:	Michelle Guay	**Phone:**	503-230-3459
Project Contractor Contact:	Patrick Murphy	**Phone:**	208-756-6022
Project Title:	Upper Salmon Screen Tributary Passage		
BPA Project #:	2007-399-00		
BPA Contract #:	58717A		
6th Field HUC 12 Digit Code Number:	Wimpey Creek - 170602040804, PBSC-04 -170602020313, Carmen Creek – 170602030503	**6th Field HUC Name**	1-Wimpey Creek 2- Lower Patterson Creek 3 – Lower Carmen Creek

Project Start and End Dates: ***Start***: July 23, 2013 ***End***: 9/25/2013

Actual project in-water work Start and End Dates:	***Start***: 8/6/2013	***End***: 9/20/2013
Wimpey Creek Culvert Replacement Project	9/10/2013	9/20/2013
PBSC-04 Access Road Culvert Replacement Project	8/6/2013	8/15/2013
Install Siphon at SCC-13	8/19/2013	8/23/2013
Install Diversion at SCC-13	8/15/2013	8/19/2013
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	< 600 Feet, very minimal in intensity and duration .	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.☐

Supervisory Natural Resource Specialist (name, address & telephone number):	Patrick Murphy, Idaho Department of Fish and Game 97 Highway 93 North, 208-756-6022	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured: **All Juveniles parr –** **Rainbow/Steelhead (RBT)**	Wimpey Creek – 60 RBT Patterson Creek – 26 RBT, 2 Chinook salmon parr Carmen Creek – 64 RBT	
Number of salmonids injured:	Wimpey Creek -0 Patterson Creek-0 Carmen Creek-0	
Number of salmonids killed: **All Juvenile parr**	Wimpey Creek – 3 RBT Patterson Creek- 0 Carmen Creek- 2 RBT	

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP II BO consultation:

We believe we were successfully able to meet all the requirements of the terms and conditions of the HIP III BO consultation for the new bridge installation on Wimpey Creek, for the culvert removal and new arched culvert replacement for the PBSC-04 Access Road, and the SCC-13 diversion, fish screen, and siphon project.

In dewatering the instream work areas for all three projects there was a very brief, both in intensity and duration, visible increase in suspended sediment. This initial pulse of suspended sediment would have exceeded the 50 foot exceedance of the total linear stream feet. However, no modifications were necessary to the activity and suspended sediments were back to baseline conditions in 15 minutes, so no additional monitoring was needed two hours after commencement. The conditions for these dewatering events were ideal, and we feel there were no biological impacts from these actions.

We did not use a turbidity meter to monitor our suspended sediment in any of these three projects. However, in our experience doing instream work, the turbidity caused by bypassing the construction area was minimal and short-lived, estimated not to exceed 50 NTU's and back to baseline conditions within 15 minutes. All these projects were installed at low flow conditions in the appropriate work windows.

Our conclusions are based on many of our previous projects having terms and conditions in the Biological Opinions which required turbidity monitoring for NMFS. Most of these with language below:

An appropriate and regularly calibrated turbidity meter, measuring NTUs, is required. A sample must be taken prior to expected turbidity pulses at a relatively undisturbed area approximately 100 feet upstream from inwater disturbance to establish background turbidity levels. A sample must be taken every 30 minutes and approximately 600 feet downstream from the point of discharge, or most appropriate downstream site during sediment pulses and be compared against the background

measurement. Results shall be compared to the background levels taken during that monitoring interval. Turbidity levels that exceed 50 NTUs over background levels for three consecutive readings (90 minutes) shall be considered an exceedance of the incidental take statement. If the incidental take is exceeded the applicant must cease work immediately and contact NMFS.

It is virtually impossible to not have some observed turbidity (cloudy water) at 50-100 ft, even 300 ft for that matter, especially when bypassing and dewatering a project area. In some locations you could do this by shuffling your feet instream. It is unclear what the biological significance of the 50' visible standard and its exceedance actually is; what does that mean? It would be better to have some NTU turbidity measurements to document actual project impacts. I merely put 600 ft in the PCF to accurately document that for a few minutes after introducing the water there was brief plume, but far below, in intensity and duration, biologically important levels that NMFS would be concerned about. In my opinion this needs to be addressed with a realistic turbidity standard, not a visual estimate.

The fish salvage events were very successful, with only a few mortalities (no other injuries noted). Water temperature at the time of the salvages ranged from 12-15 degrees celsius.

The only construction procedure we did not complete as shown regarded the PBSC-04 bypass ditch and the use of a 30” temporary PVC pipe to bypass the stream instead of the open ditch as shown. During construction we excavated the bypass alignment and the soils were completely saturated. I felt it would be extremely difficult to first, excavate and keep the open ditch cross section during construction and second to install the liner for the open ditch without ripping it due to the unstable saturated base. This produced less turbidity and erosion during the utilization of the bypass channel used to dewater the instream construction site. When dewatering the stream channels by slowly watering the bypass channels, there was a very minimal, short-lived turbidity pulse. The specified instream construction window allowed the project to have the minimum amount of impact to the environment. The stream flow at all sites was at a seasonal low. Although a turbidity meter was not used, there was minimal turbidity, and we visual estimated that it would not have exceeded 50 NTU after 10 minutes of the coffer dams being completed. We estimated that the streams returned to baseline turbidity within 30 minutes of the coffer dams being installed.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	**1/27/14**		
BPA EC Lead Contact:	Jenny Lord	**Phone:**	503.230.5192
Project Contractor Contact:	Bill Dansart	**Phone:**	208-874-3895
Project Title:	Lower Clearwater and Potlatch Watersheds Habitat Improvements: Dutch Flat Dam		
BPA Project #:	2008-604-00		
BPA Contract #:	61571A		
6th Field HUC 12 Digit Code Number:	170603061103	**6th Field HUC Name**	Little Bear Creek

Project Start and End Dates: ***Start***: 8/12/2013 ***End***: 12/31/13

Actual project in-water work Start and End Dates:	***Start***: 8/22/13	***End***: 10/14/13
WE G: Diversion pipe installation, vegetation salvage. Fish salvage (8/27-8/28). Ephemeral channel construction begins. Dam deconstruction prep work.	8/22/13	8/29/13
Press Day. Dam Demolition (9/4-9/12). Ephemeral channel construction finished. Silt fence installation. Rock, brush wattle and salvaged tree placement. All construction equipment moved offsite by 10/14/13.	9/4/13	10/14/13
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	See note below.	150 feet

☒ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Note: Project site included isolated pools but stream channel below project site was dry during instream construction work.

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	***Ryan Banks*** ***Senior Fisheries Technician*** ***IDFG/PSMFC*** ***3316 16th Street*** ***Lewiston, ID - Region 2*** ***(208) 799-5010***	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	177	
Number of salmonids injured:	0	
Number of salmonids killed:	4	

Turbidity Reporting Not Applicable.

Turbidity Note: Stream Channel below project site was intermittent (e.g., dry between intervening small pools, with no surface flowing water) during instream construction work. Therefore no turbidity was noted downstream and there are no turbidity values to report for that time period. Highest turbidity value recorded at project site outlet since stream flow resumed is 10 NTU.

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

Steelhead fish passage has been restored, opening up spawning habitat above the old Dutch Flat Dam within the upper portion of the West Fork Little Bear watershed.

All required permits were obtained.

All applicable conservation measures were followed.

Although there was little to no surface flow during the construction period, the upstream channel was temporarily plugged and a diversion pipeline installed (although there was never sufficient water for this pipeline to actually convey water.) What little flow occurred was basically seepage from impounded sediments behind the dam structure.

The stream channel prior to construction contained several isolated pools. A total of 177 salmonids were salvaged by Idaho Fish and Game and relocated to a large pool immediately upstream of the stream plug.

All in-stream work was completed within the designated work window for steelhead. Diversion pipeline and temporary crossing were removed immediately after construction completion.

Sediment controls were installed during construction work. Silt fencing and sedge mats immediately adjacent to the new channel remain in place. A new roadway drainage culvert was installed and rocked channel created to convey drainage from adjacent road to channel, preventing overland flow and erosion thru the project site.

In-stream brush wattles and large rocks were installed in the newly constructed channel to reduce stream energy. Sedge mats were installed and anchored to the channel banks along the entire constructed channel length. Salvaged riparian vegetation was replanted along the constructed channel where suitable. All bare areas occurring above the projected waterline were seeded and mulched with strawnet. New native riparian tree and shrub plantings were installed; planting will continue for the next few years to restore the project area following a vegetative treatment plan designed by an experienced vegetative restoration specialist that will also coordinate implementation.

All project waste was removed and disposed of offsite. The project area has been fenced and gated (locked) to prevent vehicle traffic. Project signage has been installed to educate and hopefully inhibit vandalism by the public.

Photo and Lidar monitoring stations have been installed. Turbidity has been periodically monitored since flow has been restored to the stream channel. Turbidity values collected immediately below the project site have not exceeded 10 NTU to date, averaging less than 1 NTU above background turbidity values recorded above the project location.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*11/6/2013*		
BPA EC Lead Contact:	Ted Gresh	**Phone:**	503-936-3590
Project Contractor Contact:	Melissa Erkel	**Phone:**	360-902-2212
Project Title:	Development of an Integrated strategy for Chum Salmon Restoration in the tributaries below Bonneville Dam		
BPA Project #:	2008-710-00		
BPA Contract #:	59958A		
6th Field HUC 12 Digit Code Number:	170800030503	**6th Field HUC Name**	Skamokawa Creek

Project Start and End Dates: ***Start***: 6/15/2013 ***End***: 6/30/2013

Actual project in-water work Start and End Dates:	***Start***:	***End***:
No in-water work		
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	feet	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		
Number of salmonids injured:		
Number of salmonids killed:		

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)
NA								

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

Groundwater test pits were dug at three different locations. One location was in the Elochoman River watershed and two locations were in the Skamokawa watershed. All necessary permits were obtains for the sites. An archeology review was also done at each site location. It was decided that an archeologist would be on site and was present during each test pit dig.

Before construction began all sites were inspected to identify entry/exit points and any critical areas that should be avoided. Staging areas were identified on level roads that were away from all waterways. Landowners were also contacted and given the dates that we would be working.

Test pits were dug with an excavator. The excavated material was placed near the pit site. After the test pit was dug, water depth, substrate and water flow measurements were all taken. A standpipe was then placed in the excavated pit to monitor the groundwater level. Fill was then placed back in the pit. Top soils were separated from the rest of the material extracted. No water was found in any of the pits dug at the Elochoman site. At this site sediment layers were measured, but then the pit was filled with the excavated material and no standpipe was installed for monitoring.

Erosion control measures were taken at each site. After pits were dug excavated material was placed back in the pit with the top soil placed on top. Straw was then placed in all disturbed areas. All waste was removed from the work site area. There was not a significant amount of vegetation disturbed to warrant plantings.

Agreements have been made with all landowners for access to the sites for continuous monitoring. Groundwater elevations will be taken at each standpipe twice a month for the next six months (until May 2014).

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*10/11/2013*		
BPA EC Lead Contact:	Chris Fryefield	**Phone:**	(503)230-4187
Project Contractor Contact:	Chris Vogel	**Phone:**	(541)345-2799
Project Title:	Green Island Crossing Restoration		
BPA Project #:	**2009-012-00**		
BPA Contract #:	61505A		
6th Field HUC 12 Digit Code Number:	1709003	**6th Field HUC Name**	Willamette River

Project Start and End Dates: ***Start***: 9/5/2013 ***End***: 11/15/2013

Actual project in-water work Start and End Dates:	***Start***: 9/26/13	***End***: 10/15/13
Side channel connection and enhancement	9/26/13	10/11/13
Large wood structure	10/7/13	10/10/13
Bridge install and roadway improvement	9/27/13	10/15/13
Levee breach and culvert install	9/11/13	9/16/13
Plant native vegetation	11/1/13	
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	<5 feet	

Check Box if project includes instream work, but does not involve in-water or near-water construction.

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	Jeff Ziller, ODFW 3150 E Main Street Springfield, OR 97478-5800 Tel: 541-726-3515 Fax: 541-726-2505	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		0
Number of salmonids injured:		0
Number of salmonids killed:		0

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft.)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft.)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)
D:Side Channel	50	9/26 10:15	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
D:Side Channel	50	9/27 8:05	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
D:Side Channel	50	10/2 8:36	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
D:Side Channel	50	10/3 8:15	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
D:Side Channel	50	10/4 8:35	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
D:Side Channel	50	10/11 8:45	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/1 9:00	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/2 9:05	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/3 8:20	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/4 9:00	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/7 8:30	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/8 8:20	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual

F: Bridge	50	10/9 8:15	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/10 8:20	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/11 8:30	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/14 8:35	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/15 8:15	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

The project areas for Work Elements E: Large wood structure and G: Levee breach and culvert install were dry. There was no water above, below or at the sites during construction. Therefore no turbidity samples were taken, nor was fish isolation/salvage required.

The project area for Work Element D: Side channel connection and enhancement was located at the waters edge and did not involve fish isolation/salvage. The project area for Work Element F: Bridge install and roadway improvement was in-stream. Fish isolation and sampling was completed on 9/16/13. Fish biologists from ODFW (Ziller & Reis) and RDG, Inc. (Gruendike) used a back-pack shocker and nets to isolate and identify the fish. No listed salmonids or other (Oregon chub) were found. The site was then isolated using visqueen plastic check dams to prevent migration into the site. The wetted area down stream was limited to an isolated pool within the seasonal channel.

Floating silt curtains were utilized at both Work Element sites D and E. The floating silt curtains were placed approximately 20 feet from the project areas. At both sites visual turbidity upstream from the project areas was not observed. During construction silt curtains restricted sediments from progressing out of the work area.

All areas impacted were seeded with native grasses. Straw was placed over areas above high water and GeoJute erosional control fiber was installed on the steeper slope to prevent sloughing. Native trees and shrubs will be planted once plants become available from the nursery (in January).

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*10/11/2013*		
BPA EC Lead Contact:	Chris Fryefield	**Phone:**	(503)230-4187
Project Contractor Contact:	Chris Vogel	**Phone:**	(541)345-2799
Project Title:	Green Island Crossing Restoration		
BPA Project #:	**2009-012-00**		
BPA Contract #:	61505A		
6th Field HUC 12 Digit Code Number:	1709003	**6th Field HUC Name**	Willamette River

Project Start and End Dates: ***Start***: 9/5/2013 ***End***: 11/15/2013

Actual project in-water work Start and End Dates:	***Start***: 9/26/13	***End***: 11/15/13
Side channel connection and enhancement	9/26/13	10/11/13
Large wood structure	10/7/13	10/10/13
Bridge install and roadway improvement	9/27/13	10/15/13
Levee breach and culvert install	9/11/13	9/16/13
Plant native vegetation	11/1/13	11/15/13
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	<5 feet	

Check Box if project includes instream work, but does not involve in-water or near-water construction.

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):	Jeff Ziller, ODFW 3150 E Main Street Springfield, OR 97478-5800 Tel: 541-726-3515 Fax: 541-726-2505	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		0
Number of salmonids injured:		0
Number of salmonids killed:		0

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft.)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft.)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)
D:Side Channel	50	9/26 10:15	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
D:Side Channel	50	9/27 8:05	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
D:Side Channel	50	10/2 8:36	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
D:Side Channel	50	10/3 8:15	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
D:Side Channel	50	10/4 8:35	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
D:Side Channel	50	10/11 8:45	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/1 9:00	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/2 9:05	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/3 8:20	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/4 9:00	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/7 8:30	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/8 8:20	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual

F: Bridge	50	10/9 8:15	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/10 8:20	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/11 8:30	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/14 8:35	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual
F: Bridge	50	10/15 8:15	0 visual	50 ft.	0 visual	0 visual	0 visual	0 visual

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

The project areas for Work Elements E: Large wood structure and G: Levee breach and culvert install were dry. There was no water above, below or at the sites during construction. Therefore no turbidity samples were taken, nor was fish isolation/salvage required.

The project area for Work Element D: Side channel connection and enhancement was located at the waters edge and did not involve fish isolation/salvage. The project area for Work Element F: Bridge install and roadway improvement was in-stream. Fish isolation and sampling was completed on 9/16/13. Fish biologists from ODFW (Ziller & Reis) and RDG, Inc. (Gruendike) used a back-pack shocker and nets to isolate and identify the fish. No listed salmonids or other (Oregon chub) were found. The site was then isolated using visqueen plastic check dams to prevent migration into the site. The wetted area down stream was limited to an isolated pool within the seasonal channel.

Floating silt curtains were utilized at both Work Element sites D and E. The floating silt curtains were placed approximately 20 feet from the project areas. At both sites visual turbidity upstream from the project areas was not observed. During construction silt curtains restricted sediments from progressing out of the work area.

All areas impacted were seeded with native grasses. Straw was placed over areas above high water and GeoJute erosional control fiber was installed on the steeper slope to prevent sloughing. Native trees and shrubs will be planted once plants become available from the nursery (in January).

HIP II PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 120 days of completing a project covered under the HIP II programmatic biological opinion (HIP II BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov. Use the NMFS Public Consultation Tracking System-Consultation Initiation and Reporting System (CIRS) to submit this report when the online system becomes available.

Date of Submittal	*6/21/2013*		
BPA EC Lead Contact:	Michelle Guay	**Phone:**	(503) 230-3459
Project Contractor Contact:	Allen Bradbury	**Phone:**	(208) 756-6322
Project Title:	**Lemhi River Restoration Project: Hawley Creek Bridge Projects**		
BPA Project #:	2010-072-00		
BPA Contract #:	58410B		
6th Field HUC 12 Digit Code Number:	170602040403	**6th Field HUC Name**	Reservoir Creek-Hawley Creek

Project Start and End Dates: ***Start***: 4/12/13 ***End***: 4/24/13

Actual project in-water work Start and End Dates:	***Start***: 4/12/13	***End***: 4/24/13
Hawley Creek Private Culvert Replacement Project	4/12/13	4/24/13
Hawley Creek BLM Culvert Replacement Project	4/12/13	4/22/13
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	Hawley Creek Private: >500 Hawley Creek BLM: >500 feet	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.☐

Supervisory Natural Resource Specialist (name, address & telephone number):	Chuck Warren, Idaho Department of Fish and Game, PO Box 1336/99 HW 93 N, Salmon, ID, 83467; 208-756-6022	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	Hawley Creek Private: 5 Hawley Creek BLM: 19	
Number of salmonids injured:	Hawley Creek Private: 0 Hawley Creek BLM: 0	
Number of salmonids killed:	Hawley Creek Private: 0 Hawley Creek BLM: 0	

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP II BO consultation:

02-Survey stream channels; Install monitoring devices (Terms & Conditions #2 Surveying, construction, operation & maintenance activities)
The Idaho Department of Fish and Game conducted all fish capture and relocation activities associated with the work area isolation of Hawley Creek. Fish salvage for both projects occurred on April 12, 2013.

28-Maintain, Remove, and Replace Bridges, Culverts, and Fords (Terms & Conditions #23 Maintain, Remove, and Replace Bridges, Culverts, and Fords)
Hawley Creek Private Culvert Replacement Project: A double undersized, perched, corrugated metal culvert was removed and replaced with a 24'L x 35'W prefabricated modular steel bridge. Design flow was based on a 100 year flood event. Design channel width was 16.5 feet based on calculated channel forming flow widths. The work area was isolated and all work was performed in the dry. The bridge was sufficiently armored to prevent future scouring actions and erosion hazards. NOAA Hydro division review was completed on 8-22-2012.
Hawley Creek BLM Culvert Replacement Project: A single undersized culvert was removed from a BLM road and replaced with a 24'L x 45'W bridge. Design flow was based on a 100 year flood event. Design channel width was 20 feet based on calculated bankfull width. The work area was isolated and all work was performed in the dry. The bridge was sufficiently armored to prevent future scouring actions and erosion hazards. NOAA Hydro division review was completed on 8-22-2012.

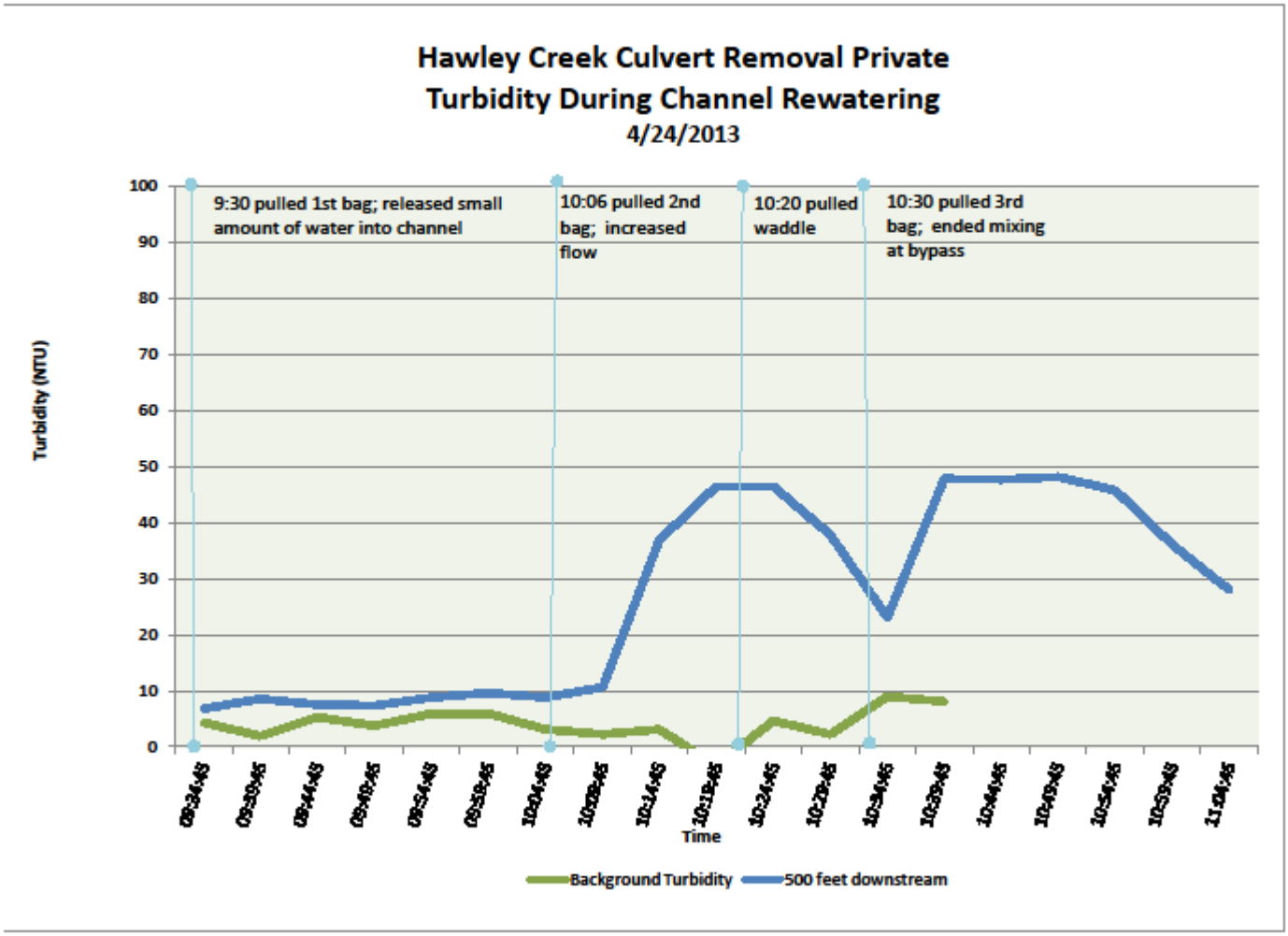
These projects were monitored for turbidity approximately 500 feet downstream of the project sites. Turbidity was measured in 0-1000 NTU using a GL500-2-1 Data Logger. Despite removing the bypass dam one unit at a time, and waiting for the water to clear before the next bag/ecoblock was removed, there was visible turbidity at 500 feet downstream of both project sites during the rewatering process of the new channel under the bridge. Please refer to the graphs on pages 4 and 5 for an overview of turbidity while returning water to the Hawley Creek channel.

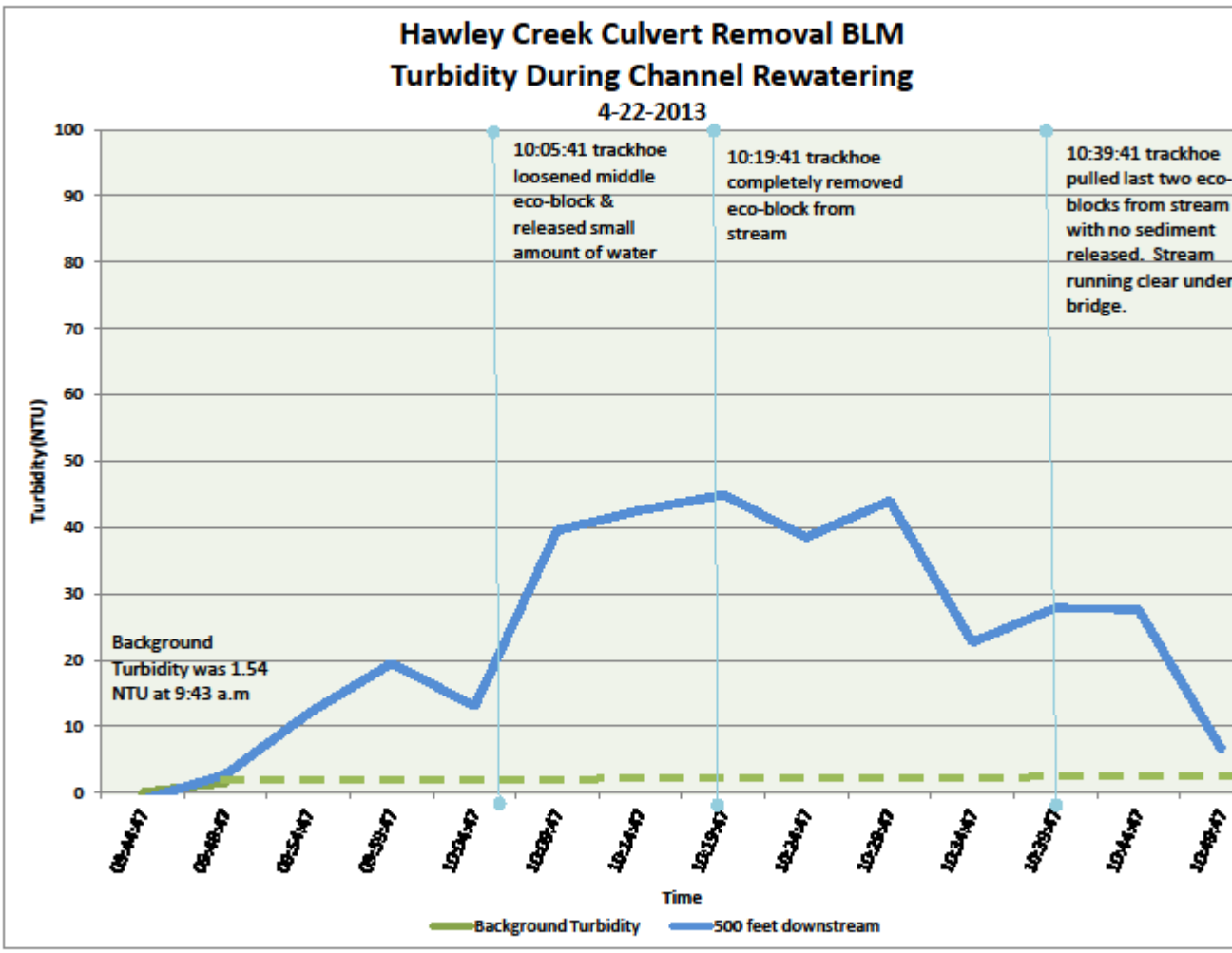
The bypass dam at the BLM site was removed gradually, one unit at a time, to minimize turbidity. The water was allowed to clear before each successive bag/ecoblock was removed. Peak turbidity occurred

during rewatering of the natural channel and removal of the middle eco-block. No corrective action was taken as barriers were already being pulled very slowly with ample time in between to allow the water to clear as it filled the new channel. Visible turbidity lasted approximately 55 minutes and ranged from 1.8 to 44 NTUs above background levels. Bank full channel width at the project site is 23.6 feet with a channel slope of 2.0%. Channel slope rapidly increases immediately downstream of project site (not calculated). Flow was estimated at 12-15 cfs. The nearest Chinook spawning is 9.7 miles downstream in the Lemhi River.

The bypass dam at the private property site was removed in a similar fashion. Gravel filled bags were removed gradually, one unit at a time, to minimize turbidity. The water was allowed to clear before each successive bag was removed. Peak turbidity occurred when the last bag was pulled and the full flow of water was restored to the natural Hawley Creek channel. No corrective action was taken as the pulse occurred after the last step of returning water to the channel. Visible turbidity lasted approximately 35 minutes and ranged from 2.8 to 44.15 NTUs above background levels. Bank full channel width at the project site is 19.3 feet with a channel slope of 1.3%. Flow was estimated at 12-15 cfs. The nearest Chinook spawning is 5 miles downstream in the Lemhi River.

Please note: these Hawley Creek Culvert Replacement Projects were unable to be implemented within the contract timeframe due to weather. A variance was requested and approved by NOAA and local biologists in order to complete construction work associated with this project outside of the preferred instream work window. The Upper Salmon River Basin Recommended Instream Work Windows and Fish Periodicity (2005) recommended an instream work window from July 1 through August 15. The alternative work window was April 2013. Other projects completed under contract 58410 were reported in a Project Completion Form submitted 3/29/13.


Hawley Creek Culvert Removal Private
Turbidity During Channel Rewatering
4/24/2013
Turbidity (NTU)
100
90
80
70
60
50
40
30
20
10
0
9:30 pulled 1st bag; released small amount of water into channel
10:06 pulled 2nd bag; increased flow
10:20 pulled waddle
10:30 pulled 3rd bag; ended mixing at bypass
Time
Background Turbidity
500 feet downstream


Hawley Creek Culvert Removal BLM
Turbidity During Channel Rewatering
4-22-2013
10:05:41 trackhoe loosened middle eco-block & released small amount of water
10:19:41 trackhoe completely removed eco-block from stream
10:39:41 trackhoe pulled last two eco-blocks from stream with no sediment released. Stream running clear under bridge.
Background Turbidity was 1.54 NTU at 9:43 a.m
Turbidity (NTU)
100
90
80
70
60
50
40
30
20
10
0
Time
Background Turbidity
500 feet downstream

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*10/28/2013*		
BPA EC Lead Contact:	Chris Fryefield	**Phone:**	(503) 230-4187
Project Contractor Contact:	Sue Beilke	**Phone:**	(503) 621-3488 x227
Project Title:	John R. Palensky Wildlife Area Operations & Maintenance		
BPA Project #:	**2011-004-00**		
BPA Contract #:	56036B		
6th Field HUC 12 Digit Code Number:	170900120405	**6th Field HUC Name**	Gilbert River – Frontal Columbia River
Project Start and End Dates:	***Start***: 2/1/12	***End***: 2/1/12	

Actual project in-water work Start and End Dates:	***Start***:	***End***:
NO in-water work		
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	feet	

☐ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:		
Number of salmonids injured:		
Number of salmonids killed:		

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	Upstream			Downstream				
					0 hrs	+4 hrs	+8 hrs	+12 hrs
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

Project Description (include O&M Plan if required)
Activities carried out for FY2012 include:

Work Element G: Plant Vegetation – Native plant species were installed in two areas; 1) along the margins of several ponds to replace willows removed by beavers (Zone 1) , and 2) native shrubs and herbaceous species in the understory of the Riparian (ash) forest in Zones 1, 2 and 3 to restore areas where blackberry and ivy was removed. Planting occurred in the winter months of 2012. Plants included cuttings from on site (willow and dogwood) and bare root stock . Benefits of planting included restoration of native plant communities and an increase in the biological diversity on site.

Work Element F: Invasive Species Removal – Invasive non-native plant species including Japanese knotweed, English ivy and Himalayan blackberry were removed through one or a combination of several methods including mowing and spraying/injecting with herbicide. Removal occurred in Zones 1-3. Benefits include removal of invasive, competitive plants which will allow for the reestablishment of native plant species and an increase in biological diversity.

O&M throughout the FY2012 season included maintaining past plantings by weeding, mulching, etc. and replacing those plants damaged by deer, beaver, etc. All activities were monitored and documentation will be included in the quarterly and annual reports.

Work Element J: Road Maintenance – A total of approximately 2.5 miles of access roads and trails used for management access were maintained throughout the year. Activities included removal of downed trees, tree limbs and removal of noxious weeds through mowing and herbicide treatment.

HIP III PROGRAMMATIC - CONSULTATION
PROJECT COMPLETION FORM

Within 60 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov.

Date of Submittal	*12/30/2013*		
BPA EC Lead Contact:	Chris Fryefield	**Phone:**	(503)230-4187
Project Contractor Contact:	Jennifer O'Neal	**Phone:**	(360)336-3071 x2305
Project Title:	Technical Support for Biological Opinion Research Monitoring & Evaluation Coordinated Assessments		
BPA Project #:	**2011-008-00**		
BPA Contract #:	59477A		
6th Field HUC 12 Digit Code Number:	1707 *see attached locations chart	**6th Field HUC Name**	Middle Columbia *see attached locations chart

Project Start and End Dates: ***Start***: 10/4/2013 ***End***: 12/24/2013

Actual project in-water work Start and End Dates:	***Start***: 10/7/2013	***End***: 10/11/2013
Macroinvertebrate sampling	10/7/2013	10/11/2013
Habitat and Fish sampling for AEM	10/7/2013	10/11/2013
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	0 feet	

☒ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.

Supervisory Natural Resource Specialist (name, address & telephone number):		
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	0	0
Number of salmonids injured:	0	0
Number of salmonids killed:	0	0

Turbidity Reporting

The Project Sponsor shall complete and record the following water quality observations to ensure that any increase in suspended sediment is not exceeding the limit for HIP III compliance.

Work Element	**Upstream**			**Downstream**				
					0 hrs	**+4 hrs**	**+8 hrs**	**+12 hrs**
	Distance from turbidity source (ft)	Time	Measured Turbidity (NTUs)	Distance from turbidity source (ft)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)	Measured Turbidity (NTUs)

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP III BO consultation:

Collection of invertebrates and observation of juvenile fish using snorkeling did not harm any salmonids or increase the turbidity in the stream. Habitat surveys did not capture, injure or kill any salmonids or change the turbidity in the stream.

Benthic Survey Locations			
Latitude	**Longitude**	**County**	**HUC6 Watershed**
45.536175	-118.262329	Umatilla, OR	170701030204/Meacham Creek
45.544831	-118.226624	Umatilla, OR	170701030204 /Meacham Creek
45.562141	-118.199158	Umatilla, OR	170701030204/Meacham Creek
45.121991	-120.335999	Gilliam, OR	170702040807/Thirtymile Creek
45.141367	-120.577689	Sherman, OR	170702040704/Pine Hollow
46.1045	-117.977371	Columbia, WA	170701020304/South Fork Touchet River
46.107517	-177.982864	Columbia, WA	170701020304/ South Fork Touchet River
Fish Survey Location			
45.536175	-118.262329	Umatilla, OR	170701030204/Meacham Creek

HIP III PROGRAMMATIC - CONSULTATION

PROJECT COMPLETION FORM

Within 120 days of completing a project covered under the HIP III programmatic biological opinion (HIP III BO), Bonneville Power Administration staff will review and submit this completed form with the following information to the project sponsor and to NMFS at hip.nwr@noaa.gov. Use the NMFS Public Consultation Tracking System-Consultation Initiation and Reporting System (CIRS) to submit this report when the online system becomes available.

Date of Submittal	*05/29/2013*		
BPA EC Lead Contact:	Michelle Guay	**Phone:**	503-230-3459
Project Contractor Contact:	Jen Graham	**Phone:**	541-553-3585
Project Title:	Instaling PIT tag array		
BPA Project #:	**2011-014-00**		
BPA Contract #:	58343A		
6th Field HUC 12 Digit Code Number:	170703060302	**6th Field HUC Name**	Lower Shitike Creek

Project Start and End Dates: ***Start***: 05/14/2013 ***End***: 05/14/2013

Actual project in-water work Start and End Dates:	***Start***: 05/14/2013	***End***: 05/14/2013
Install half-duplex PIT tag array in Shitike Creek	05/14/2013	05/14/2013
Lineal extent of observed turbidity downstream of project site (for projects involving in-water work only). Report in feet.	0 feet	

☒ **Check Box if project includes instream work, but does not involve in-water or near-water construction.**

Fish Capture Reporting

The BPA will report the following information for all projects that involve work area isolation with associated fish capture and relocation. When available, provide a tally by species for each species impacted.☐

Supervisory Natural Resource Specialist (name, address & telephone number):	Lyman Jim PO Box C Warm Springs, Oregon 541-553-3586	
	Interior Columbia Basin	**Lower Columbia and Willamette (Hood River downstream)**
Number of salmonids captured:	0	0
Number of salmonids injured:	0	0
Number of salmonids killed:	0	0

Provide a narrative assessment of the project sponsor's success in meeting all requirements including the terms and conditions of the HIP II BO consultation:

The implemented project placed a half duplex (HDX) fixed monitoring sites for passive detection of tagged fish at one location in the Shitike Creek and its bank. The effect of installing the array was minimal. The frame was built, using PVC with wiring strung through it, prior to installation in-stream. The frame is held in place using rebar pounded into the stream bottom. No excavation was done during the installation process and no turbidity was created. The site includes a fixed box, set on the ground's surface, containing all the necessary equipment to log fish movements through HDX arrays. Antenna wire is strung from the box, on top of the ground, to a tuning box and into the antenna frame.

A variance was requested and approved to install the array outside of the standard in-water work period for Shitike Creek (July 1-August 10). The in-stream work window was waived due to the need to collect data on Pacific lamprey and bull trout movements in spring. The Confederated Tribes of the Warm Springs Reservation of Oregon (CTWSRO) has sole responsibility for approving in-stream projects within the boundaries of the reservation, where the array was installed. A permit was issued for the site with an in-stream work window of March 1 – May 14, 2013.

The installation of the HDX sites is within a stream known to produce Middle Columbia River Steelhead. The site was not located within spawning areas for steelhead. Any disturbance that potentially occurred was no more than what would have been expected as a result of redd counts that are covered under the same activity in the HIP BO and allowed during spawning.

Critical habitat for Middle Columbia Steelhead has been designated within the Deschutes River Subbasin; however, waters within the boundaries or adjacent to CTWSRO have been excluded. Therefore, no critical habitat was impacted.

APPENDIX B

2013 Actual Herbicide Use Forms

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	CTUIR, Craig R. Contor
Email Address:	craigcontor@ctuir.org
Mailing Address:	46411 TiMine Way, Pendleton, OR 97801
Phone Number:	541 429-7279
BPA Project Number (yyyy-xxx-xx):	1990-005-01
BPA Contract Number:	CR-234218A
Date:	11-Feb-14

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:*** ***T2N, R5E, Sec. 10***	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	No Herbicides used in 2013										
3											
4											
5											
6											

Please indicate if the herbicides listed above are being used on the same acreage _____Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**Aaron Penney**
Email Address:	**aaronp@nezperce.org**
Mailing Address:	**18985 Hubbard Gulch Juliaetta, Idaho 83535**
Phone Number:	**208-843-7384**
BPA Project Number (yyyy-xxx-xx):	**1983-350-00**
BPA Contract Number:	**60242A**
EC Lead:	**Nancy Weintraub**
Date:	**1/29/2014**

Please indicate if the herbicides were used near NMFS species_____ and/or USFWS species_____

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND			
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	
1	NA	N46.52013 W116.66075	170603060801	Imazipyr	NO				2.5	0.94 gallons	Mechanized	NPTH
2	NA	N46.52013 W116.66075	170603060801	Imazapic	NO				8.7	0.82 gallons	Mechanized	
3	NA	N46.52013 W116.66075	170603060801	Triclopyr	NO				1.2	0.30 gallons	Mechanized	
4	NA	N46.52013 W116.66075	170603060801	Glyphosate 1	NO				23.2	8.71 gallons	Mechanized	
5	NA	N46.52013 W116.66075	170603060801	2,4-D	NO				26.7	5.0 gallons	Mechanized	
6	NA	N46.52013 W116.66075	170603060801	Aminopyralid	NO				36.7	2.0 gallons	Mechanized	
	NA	N46.52013 W116.66075	170603060801	Chlorsulfuron	NO				40.2	0.47 gallons	Mechanized	
	NA	N46.44352 W116.81387	170603063103	Glyphosate 1	NO				2.2	0.55 gallons	Mechanized	NLV
	NA	N46.44352 W116.81387	170603063103	2,4-D	NO				4	0.75 gallons	Mechanized	
	NA	N46.44352 W116.81387	170603063103	Chlorsulfuron	NO				6.2	0.07 gallons	Mechanized	
	NA	N46.44352 W116.81387	170603063103	Aminopyralid	NO				6.2	0.34 gallons	Mechanized	
	NA	N46.44352 W116.81387	170603063103	Imazipyr	NO				1.4	0.0 gallons	Mechanized	
	NA	N46.44352 W116.81387	170603063103	Imazapic	NO				0.8	0.21 gallons	Mechanized	
	NA	N46.22963 W116.85351	170603063004	Imazapic	NO				2.0	0.19 gallons	Mechanized	Sweetwate
	NA	N46.22963 W116.85351	170603063004	Aminopyralid	NO				5.2	0.27 gallons	Mechanized	
	NA	N46.22963 W116.85351	170603063004	Chlorsulfuron	NO				5.0	0.06 gallons	Mechanized	
	NA	N46.22963 W116.85351	170603063004	Glyphosate 1	NO				2.0	0.50 gallons	Mechanized	
	NA	N46.22963 W116.85351	170603063004	2,4-D	NO				5.0	0.94 gallons	Mechanized	
	NA	N46.03247 W115.97569	170603063004	Imazapic	NO				3.0	0.28 gallons	Mechanized	
	NA	N46.03247 W115.97569	170603050102	Aminopyralid	NO				3.0	1.13 gallons	Mechanized	
	NA	N46.03247 W115.97569	170603050102	Chlorsulfuron	NO				3.0	0.04 gallons	Mechanized	Luke's Gulc
	NA	N46.03247 W115.97569	170603050102	Glyphosate 1	NO				3.0	1.13 gallons	Mechanized	
	NA	N46.03247 W115.97569	170603050102	2,4-D	NO				2.8	0.53 gallons	Mechanized	

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor:	Jon Lovrak
Email Address:	jonlovrak@ctuir.org
Mailing Address:	46411 Ti'Mine Way Pendleton, OR 97801
Phone Number:	541-429-7278
BPA Project Number (yyyy-xxx-xx):	1983-435-000
BPA Contract Number:	CR-232047A/60440
EC Lead:	Nancy Weintraub
Date:	12/31/2013

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T4N,R37E,Sec. 5	SFWW	170701020103	Chlorsulfuron	R-11	5.1	0.042	hanical &/or hand	4	0.031	Mechanized
3	T4N,R37E,Sec. 5	SFWW	170701020103	2, 4-D (amines)	R-11	5.1	0.675	hanical &/or hand	4	0.500	Mechanized
4	T2N,R33E,Sec. 7	Pendleton	170701030307	Chlorsulfuron	R-11	0	0.000	N/A	4	0.031	Mechanized
5	T2N,R33E,Sec. 7	Pendleton	170701030307	2, 4-D (amines)	R-11	0	0.000	N/A	4	0.500	Mechanized
6	T2N,R34E,Sec. 7	Minthorn	170701030307	Chlorsulfuron	R-11	0	0.000	N/A	5	0.039	Mechanized
7	T2N,R34E,Sec. 7	Minthorn	170701030307	2, 4-D (amines)	R-11	0	0.000	N/A	5	0.625	Mechanized
8	T2N,R35E,Sec. 4	Thornhollow	170701030302	Chlorsulfuron	R-11	0.1	0.002	hanical &/or hand	3.5	0.027	Mechanized
9	T2N,R35E,Sec. 4	Thornhollow	170701030302	2, 4-D (amines)	R-11	0.1	0.025	hanical &/or hand	3.5	0.438	Mechanized
10	T3N,R36E,Sec. 29	Imeques	170701030106	Chlorsulfuron	R-11	0.1	0.003	hanical &/or hand	16.5	0.129	Mechanized
11	T3N,R36E,Sec. 29	Imeques	170701030106	2, 4-D (amines)	R-11	0.1	0.050	hanical &/or hand	16.5	1.688	Mechanized
12	T3N,R36E,Sec. 29	Imeques	170701030106	Aminopyralid	R-11	0.1	0.016	hanical &/or hand	14	0.383	Mechanized

Please indicate if the herbicides listed above are being used on the same acreage __X___Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

NOTE: ACREAGE TREATED AT EACH FACILITY/LOCATION IS SAME ACREAGE FOR ALL APPLICATED INGREDIENTS.

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**Mike Wick**
Email Address:	**wid.mw@machmedia.net**
Mailing Address:	**P.O. Box 944, Hermiston, OR 97838**
Phone Number:	**541-667-2030**
BPA Project Number (yyyy-xxx-xx):	**1983-436-00**
BPA Contract Number:	**59045a**
EC Lead:	**Katey Grange**
Date:	**10-Jan-14**

Please indicate if the herbicides were used near NMFS species___X__ and/or USFWS species_____

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	No herbicides were used by this project during 2013.										
3											
4											
5											
6											

Please indicate if the herbicides listed above were used on the same acreage _____Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
2, 4-D (amines)	Dynamark™ U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
Aminopyralid	Aquamark™ Blue				
Chorsulfuron	Dynamark™ U.V. (blu)				Spot-spraying with hand held spray nozzles attached to a backpack system.
Clethodim	Hi-Light® (blu)				
Clopyralid	Activator 90®				Hand- spreading granular formulations.
Dicamba	Agri-Dex®				Wicking, wiping, dripping, painting, or injecting target weeds.
Glyphosate 1	Entry II®				
Glyphosate 2	Hasten®				
Imazapic	LI 700®				
Imazapyr	R-11®				
Metsulfuron methyl	Super Spread MSO				
Picloram	Syl-Tac®				
Sethoxydim	41-A®				
Sulfometuron methyl	Valid®				
Triclopyr (TEA)					

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**Russ Powell**
Email Address:	**Russell.m.powell@state.or.us**
Mailing Address:	**357 Patterson Bridge Road, John Day Oregon 97845**
Phone Number:	**541-575-0561**
BPA Project Number (yyyy-xxx-xx):	**1984-021-00**
BPA Contract Number:	**60620A**
EC Lead:	**Jenna Peterson**
Date:	**1/7/2014**

Please indicate if the herbicides were used near NMFS species Mid-Columbia River Steelhead

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T9S R19E Sec.25,26,27,34,35		170702040404	Aminopyralid 2,4-D amine	Syltac, Super Marking Dye,	12	0.66 Gallons 3 Gallons	Mechanized	4	0.22 Gallons 1 Gallon	Mechanized
3	T10S R19E Sec.4,9, 16,20,21,28,29,32,33,		170702040404 170702040403	Aminopyralid 2,4-D amine	Syltac, Super Marking Dye,	12	0.66 Gallons 3 Gallons	Mechanized	4	0.22 Gallons 1 Gallon	Mechanized
4	T9S R19E Sec.25,26,27,34,35		170702040404	Telar XP MSM 60 DF	Syltac, Super Marking Dye,	4	4 Oz. of each used	Mechanized	2	2 Oz. of each used	Mechanized
5	T11S R26E Sec. 6		170702011505	Aminopyralid 2,4-D amine	MVO Plus, Marking Dye	6	0.33 Gallosn 1.5 Gallons	Mechanized	2	0.11 Gallons 0.5 Gallons	Mechanized
6											

Please indicate if the herbicides listed above were used on the same acreage _____Y _x____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
2, 4-D (amines)	Dynamark™ U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
Aminopyralid	Aquamark™ Blue				
Chorsulfuron	Dynamark™ U.V. (blu)				Spot-spraying with hand held spray nozzles attached to a backpack system.
Clethodim	Hi-Light® (blu)				
Clopyralid	Activator 90®				Hand- spreading granular formulations.
Dicamba	Agri-Dex®				Wicking, wiping, dripping, painting, or injecting target weeds.
Glyphosate 1	Entry II®				
Glyphosate 2	Hasten®				
Imazapic	LI 700®				
Imazapyr	R-11®				
Metsulfuron methyl	Super Spread MSO				
Picloram	Syl-Tac®				
Sethoxydim	41-A®				
Sulfometuron methyl	Valid®				
Triclopyr (TEA)					

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	Michael Lambert
Email Address:	mikelambert@ctuir.com
Mailing Address:	46411 Timine Way, Pendleton, OR 97801
Phone Number:	541-429-7283
BPA Project Number (yyyy-xxx-xx):	1987-100-01
BPA Contract Number:	60836a
Date:	1/6/2014

LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
Umatilla R., B&G	45° 40' 4.47" 118° 59' 47.69"	170701030703	Clopyralid	Super Spread MSO	19	1.44 gal	hand wand / spot spraying	4.8	0.38 gal	hand wand / spot spraying
Umatilla R., B&G	45° 40' 4.47" 118° 59' 47.69"	170701030703	Dicamba	Super Spread MSO	19	1.44 gal	hand wand / spot spraying	4.8	0.38 gal	hand wand / spot spraying
Umatilla R., Becker (Wolfe)	45° 39' 13.05" 118° 57' 28.66"	170701030703	Clopyralid	Super Spread MSO	10	2.96 gal	hand wand / spot spraying	2.7	0.21 gal	hand wand / spot spraying
Umatilla R., Becker (Wolfe)	45° 39' 13.05" 118° 57' 28.66"	170701030703	Dicamba	Super Spread MSO	10	2.96 gal	hand wand / spot spraying	2.7	0.21 gal	hand wand / spot spraying
Wildhorse Cr., Adams	45° 45' 12.79" 118° 34' 33.13"	170701030404	Clopyralid	Super Spread MSO	1.7	0.14 gal	hand wand / spot spraying	1.5	0.12 gal	hand wand / spot spraying
Wildhorse Cr., Adams	45° 45' 12.79" 118° 34' 33.13"	170701030404	Dicamba	Super Spread MSO	1.7	0.14 gal	hand wand / spot spraying	1.5	0.12 gal	hand wand / spot spraying
Meacham Creek, CTUIR	45° 38' 31.2" 118° 21' 28.8"	170701030206	Glyphosate	Super Spread MSO	3.1	0.385 gal	hand wand / spot spraying			
Meacham Creek, CTUIR	45° 38' 31.2" 118° 21' 28.8"	170701030206	Clopyralid	Super Spread MSO	3.1	0.385 gal	hand wand / spot spraying			
Meacham Creek, CTUIR	45° 37' 56.3" 118° 21' 29.5"	170701030206	Glyphosate	Super Spread MSO	3.1	0.385 gal	hand wand / spot spraying			
Meacham Creek, CTUIR	45° 37' 56.3" 118° 21' 29.5"	170701030206	Clopyralid	Super Spread MSO	3.1	0.385 gal	hand wand / spot spraying			
Umatilla R., Hartman	45° 43' 18.53" 118° 18' 11.95"	170701030206	Glyphosate	Super Spread MSO	0.7	0.17 gal	hand wand / spot spraying			
Umatilla R., Hartman	45° 43' 18.53" 118° 18' 11.95"	170701030206	Clopyralid	Super Spread MSO	0.7	0.17 gal	hand wand / spot spraying			
Umatilla R., Richards	45° 44' 27.72" 118° 13' 07.79"	170701030106	Glyphosate	Super Spread MSO	2	0.5 gal	hand wand / spot spraying			
Umatilla R., Richards	45° 44' 27.72" 118° 13' 07.79"	170701030106	Clopyralid	Super Spread MSO	2	0.5 gal	hand wand / spot spraying			

Please indicate if the herbicides listed above are being used on the same acreage __X__Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**Mike Montgomery**
Email Address:	**mike.c.montgomery@state.or.us**
Mailing Address:	**73471 Mytinger Lane, Pendleton OR**
Phone Number:	**541-276-2344**
BPA Project Number (yyyy-xxx-xx):	**1987-100-02**
BPA Contract Number:	**60131a**
EC Lead:	**Katey Grange**
Date:	**24-Jan-14**

Please indicate if the herbicides were used near NMFS species X and/or USFWS species___

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
2	2n, 31E, Sec. 13	45° 39' 18.7164" & -118° 52' 52.6002"	170701030608	Clopyralid	Dyne-Amic	5.67	0.4 gal. Clopyralid	Mechanized	0		
3	2N, 32E, Sec. 19	45˚ 38' 11.51" & -118˚ 51' 49.04"	170701030608	Clopyralid and 2 4D (Curtail), Metsulfuron	Dyne-Amic	13.00	0.38 gal. Curtail, .01 gal. metsulfuron	Mechanized	0		
4	2S, 32E, Sec. 11&12	45˚ 24' 5.6" & -118˚ 46' 13"	170701030602	Clopyralid and 2 4D (Curtail), Metsulfuron	Dyne-Amic	42.60	.62 gal. Curtail, .05 gal. metsulfuron	Mechanized	0		
5	2S, 32E, Sec. 12 & 2S, 33E, Sec.7,18	45˚ 24' 4.53" & -118˚ 46' 53.65"	170701030602	Clopyralid and 2 4D (Curtail), Metsulfuron	Dyne-Amic	31.00	.68 gal. Curtail, .06 gal. metsulfuron	Mechanized	0		
	2S, 33E, Sec.18	45°24'4.53"N & -118° 46' 53.65"	170701030602	Clopyralid and 2 4D (Curtail), Metsulfuron	Dyne-Amic	2.10	.64 gal. Curtail, .05 gal. metsulfuron	Mechanized	0		
6	1S, 31E, Sec. 36 & 2S, 31E, Sec. 1	45˚ 39' 18.7164" & -118˚ 52' 52.6002"	170701030606	Clopyralid and 2 4D (Curtail), Metsulfuron	Dyne-Amic	7.10	.08 gal. Curtail, .01 gal. metsulfuron	Mechanized	0		

Please indicate if the herbicides listed above were used on the same acreage x Y __N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
2, 4-D (amines)	Dynamark™ U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
Aminopyralid	Aquamark™ Blue				
Chorsulfuron	Dynamark™ U.V. (blu)				Spot-spraying with hand held spray nozzles attached to a backpack system.
Clethodim	Hi-Light® (blu)				
Clopyralid	Activator 90®				Hand- spreading granular formulations.
Dicamba	Agri-Dex®				Wicking, wiping, dripping, painting, or injecting target weeds.
Glyphosate 1	Entry II®				
Glyphosate 2	Hasten®				
Imazapic	LI 700®				
Imazapyr	R-11®				
Metsulfuron methyl	Super Spread MSO				
Picloram	Syl-Tac®				
Sethoxydim	41-A®				
Sulfometuron methyl	Valid®				
Triclopyr (TEA)					

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor:	Curtis Chan
Email Address:	curtis.chan@state.or.us
Mailing Address:	73959 Riverview Lane, Irrigon, Oregon 97844
Phone Number:	541-922-5659
BPA Project Number (yyyy-xxx-xx):	1989-035-00
BPA Contract Number:	59669A
EC Lead:	Nancy Weintraub
Date:	1/3/2014

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2		45° 54' 45" 119° 33' 00"	10701010602	Sulfameturon methyl					4	0.21	Mechanized
3				Aminopyralid					Same as #2	0.24	Mechanized
4				Glyphosate 1					Same as #2 plus 1 acre	3.16	Mechanized; spot spraying
5				2.4-D amine					Same as #4	2.81	Mechanized; spot spraying
6					Hi-Light (blue)				Same as #4	0.37	Spot spraying
7					R-11				Same as #4	1.13	Mechanized

Please indicate if the herbicides listed above are being used on the same acreage __X___Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	Tanya Harrison
Email Address:	tanyaharrison@ctuir.org
Mailing Address:	CTUIR, c/o Tanya Harrison, 46411 Timine Way Pendleton, OR 97801
Phone Number:	(541) 429-7254
BPA Project Number (yyyy-xxx-xx):	Wanaket Wildlife Area 1990-092-00
BPA Contract Number:	Wanaket Wildlife Area 60141A
Date:	12/20/2013

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T.5N., R.28E., sec 13, 23, 24, T.5N., R.29E., sec16, 17, 18, 19, 20, 21.		170701010206	Aminopyralid	Activator 90				61 Y	1.6 gallons	Mechanized
3				Metsulfuron	Activator 90				57 Y	1.5 gallons	Mechanized
4				2,4-D amine	Activator 90				87.2 Y	10.9 gallons	Mechanized, Spot-spraying
5				Picloram	Activator 90				27.5	1.7 gallons	Mechanized, Spot-spraying
6											

Please indicate if the herbicides listed above are being used on the same acreage ___X__Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	Terry Gregory
Email Address:	terry.gregory@idfg.idaho.gov
Mailing Address:	PO Box 128 Hill City Idaho 83337
Phone Number:	208 539 4422
BPA Project Number (yyyy-xxx-xx):	1995-057-00
BPA Contract Number:	57577 Work Element H
Date:	Oct 10 2013

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T1S,R12E,Sec7			Clopyralid 2,4-D	LI700				10	2.5 gallons	spot spray
3	T2S, R12E,Sec 16 & 21			aminopyralid	LI700				30	2.5 gallons	spot spray
4	T2S, R12E,Sec 8			Metsulfuron methyl	Syl-Tac				10	3.5 gallons.	Broadcast spray
5											
6											

Please indicate if the herbicides listed above are being used on the same acreage _____Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	Paul J. Faulkner
Email Address:	paul.faulkner@idfg.idaho.gov
Mailing Address:	4279 Commerce Circle, Idaho Falls, ID 83401
Phone Number:	208-390-0617
BPA Project Number (yyyy-xxx-xx):	1995-057-00
BPA Contract Number:	59695 Work element L
Date:	2-Oct-13

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T5N, R38E, Sec. 16		17040201	Chlorsulfuron	Spreader 90				54	0.17	atv spot/boom
3	T5N, R38E, Sec. 16		17040201	Picloram					46	5.5	atv spot/boom
4	T5N, R38E, Sec. 16		17040201	2,4-D					90	8.3	atv spot/boom
5	T5N, R38E, Sec. 16		17040201	Glyphosate	Spreader 90				17	11.8	atv spot/boom
6	T5N, R38E, Sec. 07		17040201	Glyphosate					5.5	5.5	atv boom
	T5N, R38E, Sec. 07		17040201	2,4-D					41.5	5	atv spot/boom
	T5N, R38E, Sec. 07		17040201	Chlorsulfuron					41.5	0.2	atv spot/boom
	T5N, R38E, Sec. 07		17040201	Picloram					1.5	0.13	atv spot
	T5N, R38E, Sec. 07		17040201	Metsulfuron					1.5	0.016	atv spot
	T5N, R38E, Sec. 07		17040201	Clopyralid+24D					1.5	0.13	atv spot
	T5N, R38E, Sec. 17		17040201	Chlorsulfuron					39.16	0.3	atv spot/boom
	T5N, R38E, Sec. 17		17040201	2,4-D					39	9.75	atv spot/boom
	T5N, R38E, Sec. 09		17040201	Chlorsulfuron					8	0.02	atv spot/boom
	T5N, R38E, Sec. 09		17040201	2,4-D					8	0.75	atv spot/boom
	T5N, R38E, Sec. 16		17040201	Clopyralid+24D	Spreader 90				8	2.5	atv spot/boom
	T5N, R38E, Sec. 17		17040201	Clopyralid+24D	Spreader 90				8	2.5	atv spot/boom

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	Terry Gregory
Email Address:	terry.gregory@idfg.idaho.gov
Mailing Address:	PO Box 128 Hill City Idaho 83337
Phone Number:	208 539 4422 land: 208 764 2489
BPA Project Number (yyyy-xxx-xx):	1995-057-00
BPA Contract Number:	57577 Work Element H
Date:	Oct 10 2013

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T1S,R12E,Sec7			Clopyralid 2,4-D	LI700				10	2.5 gallons	spot spray
3	T2S, R12E,Sec 16 & 21			aminopyralid	LI700				30	2.5 gallons	spot spray
4	T2S, R12E,Sec 8			Metsulfuron methyl	Syl-Tac				10	3.5 gallons.	Broadcast spray
5											
6											

Please indicate if the herbicides listed above are being used on the same acreage _____Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	Tanya Harrison
Email Address:	tanyaharrison@ctuir.org
Mailing Address:	CTUIR, c/o Tanya Harrison, 46411 Timine Way Pendleton, OR 97801
Phone Number:	(541) 429-7254
BPA Project Number (yyyy-xxx-xx):	1996-060-01 - Isqúulktpe Wildlife Area
BPA Contract Number:	60770
Date:	12/23/2013

	LOCATION					RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude	6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2		45 41'/118 24'	170701080301	Chorsulfuron	Hi-Light				2 Y	0.02 gallons	Mechanized
3				Sulfometuron methyl	Hi-Light				2 Y	0.02 gallons	Mechanized
4				Glyphosate	Hi-Light				1.5	0.7 gallons	Mechanized
5				Triclopyr	Hi-Light	5	5 gallons	Mechanized	5	5 gallons	Mechanized
6				Aminopyralid	Activator 90, Hi-Light	0.04	0.01 gallons	Spot-spray	8.7	0.5 gallons	Mechanized, Spot-spray

Please indicate if the herbicides listed above are being used on the same acreage __X___Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	Walla Walla County Conservation District, Jeff Klundt
Email Address:	jklundt@my180.net
Mailing Address:	325 N. 13th Ave., Walla Walla, WA 99362
Phone Number:	509-522-6340 ext. 3
BPA Project Number (yyyy-xxx-xx):	1996-046-01
BPA Contract Number:	61253A
Date:	12/12/2013

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T09N, R36E, Sec. 1		1707010210001	Imazapyr	LI 700	15	3	Mechanized and Spot-spray			
3	T09N, R36E, Sec. 2		1707010210405	Glyphosate 1			8	Mechanized and Spot-spray			
4	T09N, R36E, Sec. 3										
5	T09N, R36E, Sec. 4										
6	T09N, R36E, Sec. 5										

Please indicate if the herbicides listed above are being used on the same acreage __XX_ Y _____N ; If YES, please indicate which ones (Imazipyr and Glyphosate 1)

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**Louie Scharnhorst**
Email Address:	**louies@nezperce.org**
Mailing Address:	**PO Box 365, Lapwai, ID 83540**
Phone Number:	**(208) 843-7372**
BPA Project Number (yyyy-xxx-xx):	**1996-080-00**
BPA Contract Number:	**59955a**
EC Lead:	**Katey Grange**
Date:	**10-Jan-14**

Please indicate if the herbicides were used near NMFS species__X__ and/or USFWS species_____

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T6N, R44E, Sec. 2		170601060707	Aminopyralid	Generic POEA, Hi-Light (blue)				14	0.024	Spot-spraying with hand held spray nozzles attached to a backpack system.
3	T6N, R44E, Sec. 10		170601060707	Aminopyralid	Generic POEA, Hi-Light (blue)				68	0.051	Spot-spraying with hand held spray nozzles attached to a backpack system.
4	T6N, R44E, Sec. 15		170601060707	Aminopyralid	Generic POEA, Hi-Light (blue)				26	0.019	Spot-spraying with hand held spray nozzles attached to a backpack system.
5	T6N, R44E, Sec. 14		170601060707	Aminopyralid	Generic POEA, Hi-Light (blue)				63	0.038	Spot-spraying with hand held spray nozzles attached to a backpack system.
6	T6N, R44E, Sec. 11		170601060707	Aminopyralid	Generic POEA, Hi-Light (blue)				18	0.019	Spot-spraying with hand held spray nozzles attached to a backpack system.
	T6N, R44E, Sec. 13		170601060707	Aminopyralid	Generic POEA, Hi-Light (blue)				70	0.056	Spot-spraying with hand held spray nozzles attached to a backpack system.
	T5N, R46E, Sec. 15		170601060606	Aminopyralid	Generic POEA, Hi-Light (blue)				57	0.038	Spot-spraying with hand held spray nozzles attached to a backpack system.
	T5N, R46E, Sec. 10		170601060606	Aminopyralid	Generic POEA, Hi-Light (blue)	12	0.009	Spot-spraying with hand held spray nozzles attached to a backpack system.			
	T5N, R45E, Sec. 1		170601060602	Aminopyralid	Generic POEA, Hi-Light (blue)				10	0.014	Spot-spraying with hand held spray nozzles attached to a backpack system.
	T5N, R46E, Sec. 6		170601060602	Aminopyralid	Generic POEA, Hi-Light (blue)				15	0.038	Spot-spraying with hand held spray nozzles attached to a backpack system.
	T6N, R45E, Sec. 36		170601060602	Aminopyralid	Generic POEA, Hi-Light (blue)	8	0.019	Spot-spraying with hand held spray nozzles attached to a backpack system.			
	T5N, R46E, Sec. 7		170601060602	Aminopyralid	Generic POEA, Hi-Light (blue)				9	0.009	Spot-spraying with hand held spray nozzles attached to a backpack system.

Please indicate if the herbicides listed above will be used on the same acreage _____Y ___X__N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
2, 4-D (amines)	Dynamark™ U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
Aminopyralid	Aquamark™ Blue				
Chorsulfuron	Dynamark™ U.V. (blu)				Spot-spraying with hand held spray nozzles attached to a backpack system.
Clethodim	Hi-Light® (blu)				
Clopyralid	Activator 90®				Hand- spreading granular formulations.
Dicamba	Agri-Dex®				Wicking, wiping, dripping, painting, or injecting target weeds.
Glyphosate 1	Entry II®				
Glyphosate 2	Hasten®				
Imazapic	LI 700®				
Imazapyr	R-11®				
Metsulfuron methyl	Super Spread MSO				
Picloram	Syl-Tac®				
Sethoxydim	41-A®				
Sulfometuron methyl	Valid®				
Triclopyr (TEA)					

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**CTUIR Grande Ronde Fish Habitat Program/Jake Kimbro**
Email Address:	**jake.kimbro@ctuir.org**
Mailing Address:	**Ag Service Center Rm. 2B, 10507 N. McAlister Rd., Island City, OR 97850**
Phone Number:	**541.429.7941**
BPA Project Number (yyyy-xxx-xx):	**1996-083-00**
BPA Contract Number:	**61475A**
Date:	**11/15/2013**

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		(see
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	***T1S, R38E, Sec. 11-14***	***45° 29' 09" 118° 02' 01"***	***170601040802***	***Aminopyralid***	***Activator 90***	***11.03***	***1.15 gallons***	***Mechanized and Spot-Spraying***	***51.83***	***2.7 gallons***	***Mechanized and Spot-Spraying***
3	***T1S, R38E, Sec. 11-14***	***45° 29' 09" 118° 02' 01"***	***170601040802***	***Metsulfuron Methyl***	***Activator 90***	***11.03***	***.05 gallons***	***Mechanized and Spot-Spraying***	***51.83***	***.15 gallons***	***Mechanized and Spot-Spraying***
4	Note : A solution of Milestone (Amionpyralid- 3.85 total gallons) and Ally (Metsulfuron Methyl- .2 total gallons) were used on the same acreage (62.86 total acres)										
5											
6											

Please indicate if the herbicides listed above are being used on the same acreage ___x__Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**David Lindley**
Email Address:	**dlindley@ykfp.org**
Mailing Address:	**PO Box 215 Klickitat, WA 98672**
Phone Number:	**509-369-3565**
BPA Project Number (yyyy-xxx-xx):	**1997-056-00**
BPA Contract Number:	**CR-231770A/56662; Work Element O**
EC Lead:	**Jennifer Lord**
Date:	**1/15/2014**

Please indicate if the herbicides were used near NMFS species___X (used in riparian corridor of Klickitat River)__ and/or USFWS species_____

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	Note: Lat & Long are at mid-point of lower segment; application occurred along a road corridor	***45° 51' 18.0678" -121° 4' 12.6654"***	14113000	Milestone	Dyne-Amic	0.5	0.03 (3.5 oz)	Spot-spraying	1.5	0.09 (10.5 oz)	Spot-spraying
3	Note: Lat & Long are at mid-point of lower segment; application occurred along a road corridor	***45° 51' 18.0678" -121° 4' 12.6654"***	14113000	MSM 60	Dyne-Amic	0.5	0.004 (0.5 oz)	Spot-spraying	1.5	0.01 (1.5 oz)	Spot-spraying
4	Note: Lat & Long are at mid-point of upper segment; application occurred along a road corridor	***45° 55' 34.1718" -121° 5' 51.2478"***	14113000	Milestone	Dyne-Amic	0.75	0.04 (5.3 oz)	Spot-spraying	1.5	0.083 (10.6 oz)	Spot-spraying
5	Note: Lat & Long are at mid-point of upper segment; application occurred along a road corridor	***45° 55' 34.1718" -121° 5' 51.2478"***	14113000	MSM 60	Dyne-Amic	0.75	0.005 (0.66 oz)	Spot-spraying	1.5	0.01 (1.33 oz)	Spot-spraying
6											

Please indicate if the herbicides listed above were used on the same acreage __X___Y _____N ; If YES, please indicate which ones *Both herbicides were used to treat infestations in the same general area; a total of 4.25 acres were treated for houndstongue and thistle.*

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
2, 4-D (amines)	Dynamark™ U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
Aminopyralid	Aquamark™ Blue				
Chorsulfuron	Dynamark™ U.V. (blu)				Spot-spraying with hand held spray nozzles attached to a backpack system.
Clethodim	Hi-Light® (blu)				
Clopyralid	Activator 90®				Hand- spreading granular formulations.
Dicamba	Agri-Dex®				Wicking, wiping, dripping, painting, or injecting target weeds.
Glyphosate 1	Entry II®				
Glyphosate 2	Hasten®				
Imazapic	LI 700®				
Imazapyr	R-11®				
Metsulfuron methyl	Super Spread MSO				
Picloram	Syl-Tac®				
Sethoxydim	41-A®				
Sulfometuron methyl	Valid®				
Triclopyr (TEA)					

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor:	Tish Whitman
Email Address:	tishw@nezperce.org
Mailing Address:	PO Box 365, Lapwai, ID 83540
Phone Number:	208-621-4634
BPA Project Number (yyyy-xxx-xx):	1998-010-05
BPA Contract Number:	60603 (submitted as CR-231186A)
EC Lead:	Nancy Weintraub
Date:	2/18/2014 13:36

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2		* 46.139722 -116.935833	1706012	2,4-D(amines)		3	3	Mechanized and spot spraying			
3		* 46.139722 -116.935833	1706012	Glyphosate 1	Hi-light blue	1	1	Spot spraying			
4		46.497778 - 116.436389	17060306	Glyphosate 1	Hi-light blue	1	2	Spot spraying			
5		46.405N -116.83W	17060306	Glyphosate 1	Hi-light blue				8	4	Spot spraying and mechanized
6											

Please indicate if the herbicides listed above are being used on the same acreage __X__Y _____N ; If YES, please indicate which ones - marked by *

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	Tanya Harrison
Email Address:	tanyaharrison@ctuir.org
Mailing Address:	CTUIR, c/o Tanya Harrison, 46411 Timine Way Pendleton, OR 97801
Phone Number:	(541) 429-7254
BPA Project Number (yyyy-xxx-xx):	Rainwater Wildlife Area 200002600
BPA Contract Number:	Rainwater Wildlife Area 61680A
Date:	12/19/2013

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:*** ***T2N, R5E, Sec. 10***	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T7N, R39E, sec. 4, 5, 6, 7, 8, 9; T8N, R39E, sec. 5, 7, 8, 9, 17, 18, 19, 20, 21, 27, 28, 29, 30, 31, 32, 33, 34; T9N, R39E, sec. 32, 33		170701020304	Aminopyralid	R-11	0.5	0.02 gallon	Spot-spraying	182.2 Y	5.7 gallons	Mechanized Spot-spraying
3				2,4-D amine	R-11				47.4 Y	11.9	Mechanized Spot-spraying
4				Imazapyr	R-11	9.4	1.2 gallons	Spot-spraying			
5											
6											

Please indicate if the herbicides listed above are being used on the same acreage ___X__Y _____N ; If YES, please indicate which ones Aminopyralid, 2,4-D

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

Actual 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	John Zakrajsek
Email Address:	JohnZakrajsek@ctuir.org
Mailing Address:	Ag Services Center, Rm #4 15507 North McAlister Rd Island City, OR 97850
Phone Number:	541-429-7943
BPA Project Number (yyyy-xxx-xx):	2000-032-00
BPA Contract Number:	60597A
Date:	1/21/2014

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		(see
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
	Snipe Creek										
1	T4S, R31E, Sections 10		1.70702E+11	Aminopyralid + 2-4-D	Activator 90	1.5	0.32 gallon	spot			
	Owens Creek										
2	T5S, R31E, Sections 10, 15		1.70702E+11	Aminopyralid + 2-4-D	Activator 90	1	0.23 gallon	spot			
	Lower Camas Creek										
3	T5S R31E Sections 14, 15, 22, 23		1.70702E+11	Aminopyralid + 2-4-D	Activator 90	1	0.16 gallon	spot			
	Deer Creek										
4	T8S, R28E, Sections 33 & 34 and T9S, R28E, Sections 3 & 4		1.70702E+11	Aminopyralid + 2-4-D	Activator 90	2.5	1.13 gallon	spot			
	NFJD										
6	T9S, R27E, Sec. 7		1.70702E+11	Aminopyralid + 2-4-D	Activator 90				2.5	0.17 gallon	spot
	Mud Creek										
7	T5S, R32E, Sec. 1 & 12		1.70702E+11	Aminopyralid + 2-4-D	Activator 90	1	0.23 gallon	spot			
	Granite Creek										
8	T8S, R35E, Sec. 36		1.70702E+11	Aminopyralid + 2-4-D	Activator 90	2	0.44 gallon	spot			
	T8S, R35E, Sec. 37		1.70702E+11	Picloram	Activator 90				1	0.05 gallons	spot

Please indicate if the herbicides listed above are being used on the same acreage_X_Y _____N ; If YES, please indicate which ones (#'s 1-16)

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				
Clopyralid	Dynamark U.V. (yellow)				
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				Spot-spraying with hand held spray nozzles attached to a backpack system.
Metsulfuron methyl	LI 700				
Picloram	R-11				Hand- spreading granular formulations.
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				Wicking, wiping, dripping, painting, or injecting target weeds.
Triclopyr (TEA)	Valid				

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**Joan Henry**
Email Address:	**joan.henry@wstribes.org**
Mailing Address:	**320 W. Main St. John Day OR 97845**
Phone Number:	**541 820-4521**
BPA Project Number (yyyy-xxx-xx):	**2001-041-01**
BPA Contract Number:	**60726A**
EC Lead:	**Israel Duran**
Date:	**13-Dec-13**

Please indicate if the herbicides were used near NMFS species_____ and/or USFWS species_____

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:*** ***T2N, R5E, Sec. 10***	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T13S R33E Sec 1 & 12		170702010801	2,4-D	Inlet				1	.375 gallons	Backpack spray
3	T13S R33E Sec 1 & 12		170702010801	Glysophate	Inlet				1	.375 gallons	Backpack spray
4											
5											
6											

Please indicate if the herbicides listed above were used on the same acreage _____Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
2, 4-D (amines)	Dynamark™ U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
Aminopyralid	Aquamark™ Blue				
Chorsulfuron	Dynamark™ U.V. (blu)				Spot-spraying with hand held spray nozzles attached to a backpack system.
Clethodim	Hi-Light® (blu)				
Clopyralid	Activator 90®				Hand- spreading granular formulations.
Dicamba	Agri-Dex®				Wicking, wiping, dripping, painting, or injecting target weeds.
Glyphosate 1	Entry II®				
Glyphosate 2	Hasten®				
Imazapic	LI 700®				
Imazapyr	R-11®				
Metsulfuron methyl	Super Spread MSO				
Picloram	Syl-Tac®				
Sethoxydim	41-A®				
Sulfometuron methyl	Valid®				
Triclopyr (TEA)					

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**Stephan Charette**
Email Address:	**steph.charette@wstribes.org**
Mailing Address:	**320 W. Main Street, John Day, OR, 97845**
Phone Number:	**541-820-4521**
BPA Project Number (yyyy-xxx-xx):	**2001-041-01**
BPA Contract Number:	**60962**
EC Lead:	**Isreal Duran**
Date:	**12/30/2013**

Please indicate if the herbicides were used near NMFS species_____ and/or USFWS species_____

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T12S, R34E, Sec. 31		170702010801	Metsulfuron methyl	Insist	8	0.09	Spot	30	0.42	Spot/Broadcast
3	T13S, R33, Sec. 1+12		170702010801	Aminopyralid	Insist	30	0.45	Spot	40	0.62	Spot/Broadcast
4	T12S, R34E, Sec. 31		170702010801	Aminopyralid	Insist	20	0.15	Spot	20	0.15	Spot/Broadcast
5	T13S, R33, Sec. 1+12		170702010801	2,4-D	Insist				20	0.7	Spot/Broadcast
6	T12S, R34E, Sec. 31		170702010801	2,4-D	Insist				40	1	Spot/Broadcast
7	T11S, R34E, Sec. 13		170702030202	Metsulfuron methyl	Insist	10	0.14	Spot	40	0.56	Spot/Broadcast
8	T11S, R35E, Sec. 19+20		170702030202	Metsulfuron methyl	Insist	15	0.21	Spot	50	0.7	Spot/Broadcast

Please indicate if the herbicides listed above were used on the same acreage _____Y __X___N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
2, 4-D (amines)	Dynamark™ U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
Aminopyralid	Aquamark™ Blue				
Chorsulfuron	Dynamark™ U.V. (blu)				Spot-spraying with hand held spray nozzles attached to a backpack system.
Clethodim	Hi-Light® (blu)				
Clopyralid	Activator 90®				Hand- spreading granular formulations.
Dicamba	Agri-Dex®				Wicking, wiping, dripping, painting, or injecting target weeds.
Glyphosate 1	Entry II®				
Glyphosate 2	Hasten®				
Imazapic	LI 700®				
Imazapyr	R-11®				
Metsulfuron methyl	Super Spread MSO				
Picloram	Syl-Tac®				
Sethoxydim	41-A®				
Sulfometuron methyl	Valid®				
Triclopyr (TEA)					

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**Robby Sak**
Email Address:	**Robert.Sak@dfw.wa.gov**
Mailing Address:	**2030 Holaday Rd Mabton,WA 98935**
Phone Number:	**509-837-7644**
BPA Project Number (yyyy-xxx-xx):	**2002-014-00**
BPA Contract Number:	**58977A**
EC Lead:	**Jesse Wilson**
Date:	**2/3/2014**

Please indicate if the herbicides were used near NMFS species_____ and/or USFWS species_____

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T9N, R22E, part sec 17-28			2,4-D	LI-700				269	33.6	Mechanized
4				Aminopyralid	LI-700				241.5	13.2	Mechanized
5				Glyphosate	LI-700				95	71.25	Mechanized
6				Imazapyr	MSO	2	1.5	Mechanized	3	2.25	Mechanized
				Diuron+Bromycil					1.1	165 lbs dry	Mechanized
				Fluroxypyr	LI-700				48.5	4.5	Mechanized
	T8N,R23E,part sec 1,2,3,10,11,12			2,4-D	LI700				3	0.375	Mechanized
				Glyphosate	LI700				3	2.25	Mechanized
				Diuron+Bromycil					1.11	166.5 lbs dry	Mechanized
				Aminopyralid					2	14 oz	
	T12N,R19E,Sec 35			Aminopyralid	LI700				1	7oz	Mechanized
	millis			Diuron+Bromycil					1.2	180 lbs dry	Mechanized
				Glyphosate	LI700				3	2.25	Mechanized
				2,4-D	LI700				4	0.5	Mechanized
	T10 R27E, Sec 17-19			Diuron+Bromycil					6	900 lbs dry	Mechanized
				Diuron+Bromycil					0.45	67.5lbs dry	Mechanized

Diuron+Bromycil: Applied in winter before 2013 PNF was submitted. Chemical was applied to parking lots in uplands to prevent weed growth within the parking lot a fire hazard. Since Diuron+Bromycil is not on the approved herbicide list the application will not be continued. No application will be conducted over the winter of 2013/14 and approved herbicides will be used along roads and within parking lots to control weeds. If adequate control is not achieved with approved herbicides then a variance request may be sought for future applications.

254.5

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**David Loomis**
Email Address:	**david.loomis@dfw.wa.gov**
Mailing Address:	**2108 Grand Blvd., Vancouver, WA 98661**
Phone Number:	**360-906-6725**
BPA Project Number (yyyy-xxx-xx):	**2003-012-00**
BPA Contract Number:	**59514A**
EC Lead:	**Jesse Wilson**
Date:	**2/3/2014**

Please indicate if the herbicides were used near NMFS species_____ and/or USFWS species_____

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND			(see
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	
1	***EXAMPLE: T2N, R5E, Sec. 10***	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***	
2	T. 2&3N, R.1W&1E multiple sections		***170800010901***	Glyphosate + Tricloopyr + 2,4-D amine	Super Spread R-11 Compadre(upland only) Syl-Tac	10	0 Gallons	Mechanized and Spot Spraying	50	10.907 Gallons each	Mechanized and Spot Spraying	
3	T. 2&3N, R.1W&1E multiple sections		***170800010901***	Aminopyralid	Super Spread Compadre(upland only)	20	0 Gallons	Mechanized and Spot Spraying	150	1.039 Gallons	Mechanized and Spot Spraying	
4	T. 2&3N, R.1W&1E multiple sections		***170800010901***	Triclopyr + 2,4, D Amine	Super Spread Compadre(upland only) Syl-Tac	100	0.4375 Gallons each	Mechanized and Spot Spraying	500	33.031 Gallons each	Mechanized Spot Spraying Painting	
	T. 2&3N, R.1W&1E multiple sections		***170800010901***	Glyphosate	R-11 Compadre(upland only)	10	0.125 Gallons	Mechanized and Spot Spraying	20	15 Gallons	Mechanized and Spot Spraying	
	T. 2&3N, R.1W&1E multiple sections		***170800010901***	2,4, D Amine	Super Spread Compadre(upland only) Syl-Tac	10	0 Gallons	Mechanized and Spot Spraying	50	0 Gallons	Mechanized and Spot Spraying	
	T. 2&3N, R.1W&1E multiple sections		***170800010901***	Imazapyr	R-11 Compadre(upland only)	10	0 gallons	Mechanized and Spot Spraying	20	0 Gallons	Mechanized and Spot Spraying	
	T. 2&3N, R.1W&1E multiple sections		***170800010901***	Triclopyr + Aminopyralid	Super Spread Compadre(upland only)	10	0 Gallons + 0 Gallon	Mechanized and Spot Spraying	50	0 Gallons + 0 Gallons	Mechanized and Spot Spraying	
	T. 2&3N, R.1W&1E multiple sections		***170800010901***	Triclopyr	Super Spread Compadre(upland only)	25	0 Gallons	Mechanized and Spot Spraying	10	0 Gallons	Mechanized and Spot Spraying	
5	T. 2&3N, R.1W&1E multiple sections		***170800010901***	Clopyralid	Super Spread Compadre(upland only)	20	0 Gallons	Mechanized and Spot Spraying	40	0 Gallons	Mechanized and Spot Spraying	
6	T. 2&3N, R.1W&1E multiple sections		***170800010901***	Pelargonic Acid + Glyphosate	R-11	2	0 Gallon Each	Spot Spraying	2	0 Gallon Each	Spot Spraying	

Please indicate if the herbicides listed above are being used on the same acreage __X___Y _____N ; If YES, please indicate which ones **Corresponding colors indicate herbicides are being used or may be used on the same acreage**

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
2, 4-D (amines)	Dynamark™ U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
Aminopyralid	Aquamark™ Blue				
Chorsulfuron	Dynamark™ U.V. (blu)				Spot-spraying with hand held spray nozzles attached to a backpack system.
Clethodim	Hi-Light® (blu)				
Clopyralid	Activator 90®				Hand- spreading granular formulations.
Dicamba	Agri-Dex®				Wicking, wiping, dripping, painting, or injecting target weeds.
Glyphosate 1	Entry II®				
Glyphosate 2	Hasten®				
Imazapic	LI 700®				
Imazapyr	R-11®				
Metsulfuron methyl	Super Spread MSO				
Picloram	Syl-Tac®				
Sethoxydim	41-A®				
Sulfometuron methyl	Valid®				
Triclopyr (TEA)					

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	David Woodall
Email Address:	david.woodall@dfw.wa.gov
Mailing Address:	1049 PORT WAY CLARKSTON WA 99403
Phone Number:	509-758-3151
BPA Project Number (yyyy-xxx-xx):	2006-005-00
BPA Contract Number:	63046
Date:	26-Dec-13

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND			(see ADDL. NOTES
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	
1	***EXAMPLE: T2N, R5E, Sec. 10***	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***	
2	T9N R45E Sec 2-5, 9 & 10, & T10N R45E		17060103	Aminopyralid	Spreader 90/Blue Dye				4.75	.25 gal	Mechanized	Using Miliestone Herbicide to control non-native noxious weeds on the Upland site
3	T9N R44E Sec 27 & 30 & T9N R45E Sec 5		17060103	Imazipyr	none				1.5	13.5 lbs	Mechanized	Using Sahara Herbicide to control vegetative growth on the public access parking
4	T9N R44E Sec 31 & 32, & T9N R45E Sec		17060103	Glyphosate 1	Spreader 90/Blue Dye				39.5	19.75	Mechanized	Using Roundup Herbicide to control vegetative growth on the annual food plots th
5	T9N R44E Sec 30 & 31		17060103	2, 4-D	Spreader 90/Blue Dye				37	18.5	Mechanized	Using 24D Herbicide to control vegetative growth on the annual food plots that w
6	T9N R44E Sec 30 & 31		17060103	ammonium salt of imazamox (Beyond	Spreader 90				60	2.81	Mechanized	Beyond herbicide for clearfield wheat food plots on smoothing iron ridge
7	T9N R45E Sec 10		17060103	picloram/metasulfuron methyl (Jordan/MSM 60)	Spreader 90				145	27.18/67.5 oz.	Mechanized	used for control of class A noxious weed Med Sage
8												
9												

Please indicate if the herbicides listed above are being used on the same acreage _____Y _x____N ; If YES, please indicate which ones

Yes to Lines 3, 4, 5, and 6. These sites, access parking lots and ag fields receive

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**Dan Baker**
Email Address:	**dan.baker@idfg.idaho.gov**
Mailing Address:	**1800 S. Trout Rd, Eagle, ID 83616**
Phone Number:	**208-939-4114**
BPA Project Number (yyyy-xxx-xx):	**2007-402-00**
BPA Contract Number:	**57759A**
EC Lead:	**Jenna Peterson**
Date:	**1/6/2014**

Please indicate if the herbicides were used near NMFS species - Snake River spring/summer-run Chinook; Snake River Basin steelhead

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	**T4N, R1W, Sec. 10**		**170501140701**	**Glyphosate 1**	**Activator 90**	**0**	**NA**	**NA**	**5**	**1**	**Spot-spraying**
3	**T4N, R1W, Sec. 10**		**170501140701**	**2,4-D (amines)**	**Activator 90**	**0**	**NA**	**NA**	**5**	**2**	**Mechanized**
4											
5											
6											

Please indicate if the herbicides listed above were used on the same acreage __X___Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
2, 4-D (amines)	Dynamark™ U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
Aminopyralid	Aquamark™ Blue				
Chorsulfuron	Dynamark™ U.V. (blu)				Spot-spraying with hand held spray nozzles attached to a backpack system.
Clethodim	Hi-Light® (blu)				
Clopyralid	Activator 90®				Hand- spreading granular formulations.
Dicamba	Agri-Dex®				Wicking, wiping, dripping, painting, or injecting target weeds.
Glyphosate 1	Entry II®				
Glyphosate 2	Hasten®				
Imazapic	LI 700®				
Imazapyr	R-11®				
Metsulfuron methyl	Super Spread MSO				
Picloram	Syl-Tac®				
Sethoxydim	41-A®				
Sulfometuron methyl	Valid®				
Triclopyr (TEA)					

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	**Dan Baker**
Email Address:	**dan.baker@idfg.idaho.gov**
Mailing Address:	**1800 S. Trout Rd, Eagle, ID 83616**
Phone Number:	**208-939-4114**
BPA Project Number (yyyy-xxx-xx):	**2007-402-00**
BPA Contract Number:	**CR-235312A**
EC Lead:	**Jenna Peterson**
Date:	**1/6/2014**

Please indicate if the herbicides were used near NMFS species - Snake River spring/summer-run Chinook; Snake River Basin steelhead

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	**T4N, R1W, Sec. 10**		**170501140701**	**Glyphosate 1**	**Activator 90**	**0**	**NA**	**NA**	**5**	**0.5**	**Spot-spraying**
3	**T4N, R1W, Sec. 10**		**170501140701**	**2,4-D (amines)**	**Activator 90**	**0**	**NA**	**NA**	**5**	**0**	**Mechanized**
4											
5											
6											

Please indicate if the herbicides listed above were used on the same acreage __X___Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
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Aminopyralid	Aquamark™ Blue				
Chorsulfuron	Dynamark™ U.V. (blu)				Spot-spraying with hand held spray nozzles attached to a backpack system.
Clethodim	Hi-Light® (blu)				
Clopyralid	Activator 90®				Hand- spreading granular formulations.
Dicamba	Agri-Dex®				Wicking, wiping, dripping, painting, or injecting target weeds.
Glyphosate 1	Entry II®				
Glyphosate 2	Hasten®				
Imazapic	LI 700®				
Imazapyr	R-11®				
Metsulfuron methyl	Super Spread MSO				
Picloram	Syl-Tac®				
Sethoxydim	41-A®				
Sulfometuron methyl	Valid®				
Triclopyr (TEA)					

ACTUAL 2013 Herbicide Application Form

NOTE: Please list all information by active ingredient and adjuvant used only.

Project Sponsor/person filling out form:	Nicole Nielsen-Pincus
Email Address:	nicole@mckenzieriver.org
Mailing Address:	McKenzie River Trust, 1245 Pearl St. Eugene, OR 97401
Phone Number:	(541) 345-2799
BPA Project Number (yyyy-xxx-xx):	2011-004-00
BPA Contract Number:	60447A
Date:	11/4/2013

	LOCATION		6th HYDROLOIC UNIT CODE	ACTIVE INGREDIENT (see Note #1 below)	ADJUVANT USED (see Note#2 below)	RIPARIAN			UPLAND		
	Township Range & Section (can be found in Pisces)	OR Latitude and Longitude				Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)	Estimate of Acres to be Treated	Estimate of Total Volume of Herbicide Only- Do not inlcude adjuvant or water. Report amount in GALLONS. (see note #5 below)	Application Method- choose all methods that were used, e.g. spot treatment with hand wand, broadcast spray, etc. (see note #6 below)
1	***EXAMPLE:* T2N, R5E, Sec. 10**	***30° 35' 40" 121° 45' 34"***	***170601020510***	***Clopyralid***	***Syl-Tac***	***4***	***5 gallons***	***Mechanized and Wicking***	***2***	***8 gallons***	***Mechanized***
2	T15S R04W, Sec 21		17090003	Imazipyr	Hi-Light (blue)	1.5	1	spot treatment			
3											
4											
5											
6											

Please indicate if the herbicides listed above are being used on the same acreage _____Y _____N ; If YES, please indicate which ones

Note #1: Active Ingredient:	Note #2: Adjuvant Used	Note #3: Riparian:	Note #4: Upland:	Note #5: Total Volume	Note #6: Application Method
Imazipyr	Dynamark U.V. (red)	"Riparian" is defined as land within 150 feet of any natural water occupied by listed salmonids during any part of the year or designated as critical habitat; or within 100 feet of any other natural water.	"Upland" is defined as all other land.	List only the herbicide amount- do not inlcude adjuvants or water. List the amount in gallons.	Mechanized application- would be done with vehicle- mounted (pick-up, 4-wheel, or tractor) fixed-booms, or spray guns.
2, 4-D (amines)	41-A				
Aminopyralid	Activator 90				Spot-spraying with hand held spray nozzles attached to a backpack system.
Chorsulfuron	Agri-Dex				
Clethodim	Dynamark U.V. (blue)				Hand- spreading granular formulations.
Clopyralid	Dynamark U.V. (yellow)				Wicking, wiping, dripping, painting, or injecting target weeds.
Dicamba	Entry II				
Glyphosate 1	Generic POEA				
Glyphosate 2	Hasten				
Imazapic	Hi-Light (blue)				
Metsulfuron methyl	LI 700				
Picloram	R-11				
Sethoxydim	Super Spread				
Sulfometuron methyl	Syl-Tac				
Triclopyr (TEA)	Valid				

APPENDIX C

RRT Project Review List

-----Project Name-----	Risk Level	----------Activity Categories---------	----------RRT Comments----------	FW Project No#	Date of Implementation
Klickitat Watershed Enhancement	Low	Bridge and Culvert Removal or Replacement;#Install Habitat Forming Natural Material Instream Structures	**06.26.13** - Final recommendation given to Jennifer Lords. **RRT Review Complete**	1997-056-00	6/26/2013
CC-44 Phase 1	Low	Install Habitat Forming Natural Material Instream Structures	Phase 1 is just large wood placement and vegetation plantings. A low-risk activity, with some minor variances (staging areas etc). **RRT Review Complete**	NA	7/1/2013
Corral Creek Meadow-Racetrack	High	Channel Reconstruction	**08.08.2013** - Letter sent to David Mabe (NMFS) and Bob Ries (NMFS) requesting expedited review. **08.21.2013** - Received formal response approving expedited review. **RRT Review Complete**	2008-604-00	7/1/2013
Grande Ronde Subbasin Restoration 13 (Rock Creek Phase1)	Medium	Install Habitat Forming Natural Material Instream Structures;#Headcut and Grade Stabilization (> 18 in);#Improve 2ndary Channel and Wetland Habitat	**07.29.13** - Project information was submitted by Allen Childs **08.13.13** - TM reviewed and approved with comments. **RRT Review Complete**	1996-083-00	7/1/2013
Upper Salmon Screen Tributary Passage	Medium	Bridge and Culvert Removal or Replacement;#Consolidate or Replace Existing Diversions (>3 ft)	**07.02.2013** - Technical comments received from Sean Welch, final recommendations given to Michelle Guay. **RRT Review Complete**	2007-399-00	7/7/2013
Holliday Long Meadow Diversion Replacement Project (CTWSRO)		Consolidate or Replace Existing Diversions (>3 ft)	Sean Welch reviewed project and was detemined to need individual consultation (lay flat stanchion dam). **RRT Review Complete**	2007-397-00	7/15/2013
Granite Creek Streambank Stabilization Project	Low	Protect Streambanks using Bioengineering Methods	Project was reviewed by SP Welch and was determined to be low risk. **RRT Review Complete**	2000-031-00	7/15/2013
Luhn Bridge Project (ACCD)	Low	Bridge and Culvert Removal or Replacement	Project was reviewed by SP Welch and was determined to be low risk. **RRT Review Complete**	2002-050-00	7/31/2013

North Unit Sauvie Island (CREST)	Medium	Set-back or Removal of Existing Berms, Dikes, and Levees;#Improve 2ndary Channel and Wetland Habitat	**05.08.12 -** Contacted EC Lead, submitted conservation measure checklists and information requirements. **08.05.13** - Project Sponsor decided to cover using SLOPES programmatic. **RRT Review Complete**	2010-004-00	8/12/2013
Big Bear Swanstrom	Medium	Set-back or Removal of Existing Berms, Dikes, and Levees	The project occurs in an intermittent stream that will be dry in mid-July. There will be no construction related effects from the proposed action, therefore use of the HIP3 biological Opinion for Steelhead and Chinook is unnecessary. The RRT recommends that the EC lead draft a No Effect memo to the file detailing lack of summer flows and fish presence in the system, provide conservation measures found in the HIP3 BO (Pg 28) as project design recommendations, and confirm that herbicides will not be applied directly within the intermittent channel. **RRT Review Complete**	2008-604-00	8/19/2013
Green Island Crossing Restoration	Medium	Bridge and Culvert Removal or Replacement;#Install Habitat Forming Natural Material Instream Structures;#Set-back or Removal of Existing Berms, Dikes, and Levees;#Improve 2ndary Channel and Wetland Habitat	LWD and other work done in the near dry prior to plug removal to allow use of historic channel. Culvert and bridge work plans ar all within HIP 3 guidelines for medium risk projects. **RRT Review Complete**	2009-012-00	9/1/2013
Antoine Creek Culvert	Low	Bridge and Culvert Removal or Replacement	**07.18.13** - Low Risk Project, provided comments to EC Lead. **RRT Review Complete**	2007-224-00	9/13/2013
Lower Clearwater and Potlatch Habitat Improvements-Dutch Flat Dam	High	Dam removal	**04.26.13** - Site visit with RRT, NMFS, USFWS, and project sponsor. **07.12.13** - Email to NMFS requesting expedited review. **07.16.13** - Bob Ries (NMFS) emails back approving project for coverage under HIP3. **RRT Review Complete**	2008-604-00	9/30/2013

Antoine Creek Irrigation Diversion Removal	Low;#Medium	Water Control or Legacy Structure Removal (<16.4 ft)	**10.23.13** - After review by S. Welch and RRT, project has been determined to be medium risk. Project design changes have been submitted to sponsor, D. Bambrick has reviewed designs, and EC lead is in the process of obtaining NMFS hydro engineering review of project. **RRT Review Complete**	2007-224-00	11/1/2013
Lapwai Creek Anadromous Habitat	Medium	Set-back or Removal of Existing Berms, Dikes, and Levees	**11.01.2013 -** RRT awaiting info from proponent. **01.29.2014** - RRT still awaiting info from proponent.	2002-070-00	12/2/2013
Mabey Lane Channel Construction	Medium	Improve 2ndary Channel and Wetland Habitat	**01.30.14** - Awaiting data from project proponent	2010-072-00	4/1/2014
Mill Creek Project	Medium;#High	Channel Reconstruction;#Install Habitat Forming Natural Material Instream Structures;#Set-back or Removal of Existing Berms, Dikes, and Levees;#Improve 2ndary Channel and Wetland Habitat	**09.19.13** - Sent out initial email to project sponsors and COTR. Solicting dates for a site visit.**11.25.13 -** Rebecca Dittmann (NMFS) stated no need for a site visit given travel logisitics and will be good with a conference call/online presentation. Exploring options with project proponent.**12.16.13** - Yakima Nation gave presentation on Mill Creek, Clayton Hawkes of NMFS is in attendance. NMFS Hydro found no issues with Fish passage. Finalizing process.**RRT Review Complete**	2008-301-00	5/1/2014
Preacher's Cove	Low	Install Habitat Forming Natural Material Instream Structures	**10.22.13 -** Site visit with RRT, USACE, BOR, NMFS, and USFWS. Upon further review project is just sticks and stone (low risk). **RRT Review Complete**	2002-059-00	5/1/2014
Walluski-Youngs Habitat Restoration	Medium	Set-back or Removal of Existing Berms, Dikes, and Levees;#Improve 2ndary Channel and Wetland Habitat	**09.23.13 -** Permitted under another programmatic. **RRT Review Complete**	201101200	6/1/2014
Walla Walla Basin Fish Habitat Enhancement - Kentch Property	High	Channel Reconstruction	**07.30.13 -** Initiation letter sent out. **08.19.13** - Site visit with RRT, NMFS, USFWS, USACE and project sponsor. Project at 60% completion. **09.24.13** - RRT 60% design comments submitted to project proponent with input from NMFS and USFWS. **01.22.14** - 90% plans and response to 60% RRT comments submitted for	1996-094-01	6/1/2014

			RRT review.		
Wallowa River/6-Ranch Habitat Restoration Project	High	Channel Reconstruction;#Protect Streambanks using Bioengineering Methods;#Install Habitat Forming Natural Material Instream Structures	**03.16.13** - Site visit with RRT, NMFS, USFWS, GRMW and project sponsor. **04.04.13** - Conceptual design comments submitted to proponent. **07.25.13** -30% Design Review submitted to RRT, USFWS, & NMFS **08.20.13** -30% RRT Comments submitted to sponsor **01.30.14** - RRT awaiting information	NA	6/1/2014
CC-44 Phase 2	High	Install Habitat Forming Natural Material Instream Structures	**03.06.13** - Site visit with RRT, NMFS, USFWS, USACE, USBOR and project sponsors. It was determined that salmonid adults may be present along with Redds. HIP3 coverage is not sufficient. **01.10.14** - Individual Formal Consultation Intitated. **RRT Review Complete**	NA	6/1/2014
Rainwater Wildlife Area - South Fork Touchet River Restoration	Medium ;#High	Channel Reconstruction;#Bridge and Culvert Removal or Replacement;#Install Habitat Forming Natural Material Instream Structures;#Set-back or Removal of Existing Berms, Dikes, and Levees	**06.05.13** - Sent Guide to the RRT process, General Data Summary Requirements, and Terms and Conditions. Jerry Middel would like to have the RRT site meeting ASAP. **08.19.13** - RRT Meeting onsite with BPA RRT Team, USFWS, and NMFS. **11.15.13** - Submitted RRT review comments for 15% design to CTUIR. **01.30.14 -** 30% design plans have been submitted to RRT.	2000-026-00	6/1/2014
Opal Creek Restoration	Medium ;#High	Channel Reconstruction;#Bridge and Culvert Removal or Replacement;#Install Habitat Forming Natural Material Instream Structures	**09.18.13 -** Initiation letter sent out **01.30.14** - Awaiting additional information.	1994-042-00	6/1/2014

M2 3R Floodplain and Side Channel Restoration	Medium	Install Habitat Forming Natural Material Instream Structures;#Set-back or Removal of Existing Berms, Dikes, and Levees;#Improve 2ndary Channel and Wetland Habitat		2010-001-00	6/1/2014
ODFW Anadromous Fish Habitat Project- Hoeft Dam Removal	Medium	Install Habitat Forming Natural Material Instream Structures;#Water Control or Legacy Structure Removal (<16.4 ft)	**01.15.2014-** RRT discussed project with Rebecca Dittman (NMFS) **01.30.2014 -** ODFW is preparing plans. Dam is 4 foot (medium risk).	1987-100-02	7/1/2014
Harrison Side Channel	Medium	Install Habitat Forming Natural Material Instream Structures;#Improve 2ndary Channel and Wetland Habitat	**01.27.14** - Ted Gresh presented this project during monthly RRT meeting. RRT team approved with comments. **RRT Review Complete**	2010-001-00	7/1/2014
Jacobs Roberts Creek Diversion Head Wall and Check Sill Project		Provide Fish Passage at an Existing Facility;#Consolidate or Replace Existing Diversions (>3 ft)	**09.24.13 -** Site Visit, RRT determined HIP III coverage not applicable. Working with sponsor for alternatives. **RRT Review Complete**	2007-397-00	7/15/2014
Baucum Passage Improvements		Provide Fish Passage at an Existing Facility;#Consolidate or Replace Existing Diversions (>3 ft)	**09.24.13** - Site Visit, RRT determined HIP III coverage not applicable. Working with sponsor for alternatives. **RRT Review Complete**	2007-397-00	7/15/2014
Enterprise Passage Improvement Project		Provide Fish Passage at an Existing Facility;#Consolidate or Replace Existing Diversions (>3 ft)	**09.24.13** - Site Visit, RRT determined HIP III coverage not applicable. Working with sponsor for alternatives. **RRT Review Complete**	2007-397-00	7/15/2014
Lower Clear Creek Diversion Project	Medium	Consolidate or Replace Existing Diversions (>3 ft)	**09.24.13** - Site Visit with NMFS, USFWS, RRT and project sponsor.	2007-397-00	7/15/2014
Protect and Restore Tucannon Watershed	Low	Install Habitat Forming Natural Material Instream Structures	LWD installation is a low-risk activity that does not require RRT review. Implementation is delayed untill 2014. **RRT Review Complete**	2008-202-00	7/31/2014
Keystone to Kiosk	Medium	Install Habitat Forming Natural Material Instream Structures;#Improve 2ndary Channel and Wetland Habitat	**01.27.14** - Ted Gresh presented this project during monthly RRT meeting. RRT team approved with comments. **RRT Review Complete**	2010-001-00	8/1/2014
Entiat Nation Fish Hatchery Phase II	Medium	Install Habitat Forming Natural Material Instream Structures;#Improve 2ndary Channel and	**01.27.14** - Ted Gresh presented this project during monthly RRT meeting. RRT team approved with comments.	2010-001-00	8/1/2014

		Wetland Habitat	**RRT Review Complete.**		
Shea Meadows Restoration	Medium ;#High	Channel Reconstruction;#Set-back or Removal of Existing Berms, Dikes, and Levees	**11.13.2013** - Site visit with RRT, NMFS, USFWS. Due to lack of fish presence, a NLAA concurrence was the chosen ESA strategy. **RRT Review Complete**	2008-604-00	8/4/2014
Tucannon River Programmatic Habitat Project (AREA 3)	Low;#Medium	Install Habitat Forming Natural Material Instream Structures;#Improve 2ndary Channel and Wetland Habitat	**01.13.14** - Approved with Comments **RRT Review Complete**	2010-077-00	9/1/2014
Tucannon River Programmatic Habitat Project (AREA 1)	Low;#Medium	Install Habitat Forming Natural Material Instream Structures;#Improve 2ndary Channel and Wetland Habitat	**01.13.14** - Approved with Comments **RRT Review Complete**	2010-077-00	9/1/2014
Tucannon River Programmatic Habitat (AREA 15)	Low;#Medium	Protect Streambanks using Bioengineering Methods;#Install Habitat Forming Natural Material Instream Structures;#Improve 2ndary Channel and Wetland Habitat	**09.25.13 -** Approved with comments. **RRT Review Complete**	2010-077-00	9/10/2014
Protect and Restore Lapwai Creek	Medium	Bridge and Culvert Removal or Replacement;#Protect Streambanks using Bioengineering Methods;#Set-back or Removal of Existing Berms, Dikes, and Levees	**09.11.13 -** EC lead stated that project proponent does not have any info or cultural clearances at this time and may implement in November. **10.09.13** - EC Lead informed RRT that work will occur next year. **01. 29.14 01.29.14-** RRT has not received any info.	1999-017-00	11/1/2014
Lower Walla Walla River Restoration			**11.04.2013** - Project in preliminary planning phase, no data to review yet.	1996-046-01	1/1/2015
Crooked River Valley Rehabilitation	High	Channel Reconstruction;#Protect Streambanks using Bioengineering Methods;#Install Habitat Forming Natural Material Instream Structures;#Improve 2ndary Channel and Wetland Habitat	**01.09.14** - Initiated process with NMFS and USFWS. **01.15.14** - Received response from USFWS sent them CD **01.15.14** - Received response from NMFS. **01.29.14** - Project proponent (NPT) gave presentation to NMFS, USFWS, RRT, USACE, and USFS during Level 1 meeting.	2010-086-00	4/1/2015

Yankee Fork West Fork Confluence	High	Channel Reconstruction;#Install Habitat Forming Natural Material Instream Structures;#Improve 2ndary Channel and Wetland Habitat	**10.22.13 -** Site visit with RRT, USACE, BOR, NMFS, and USFWS. **01.13.14 -** Switched over from ID to KU	2002-059-00	6/29/2015
Twisp River Floodplain	Medium	Install Habitat Forming Natural Material Instream Structures;#Water Control or Legacy Structure Removal (<16.4 ft);#Set-back or Removal of Existing Berms, Dikes, and Levees;#Improve 2ndary Channel and Wetland Habitat	**01.30.14 -** Awaiting additional information.	2010-001-00	7/1/2015
Bonanza City Floodplain Rehabilitation	High	Channel Reconstruction;#Install Habitat Forming Natural Material Instream Structures;#Set-back or Removal of Existing Berms, Dikes, and Levees;#Improve 2ndary Channel and Wetland Habitat	**10.22.13 -** Site visit with RRT, USACE, BOR, NMFS, and USFWS. **01.13.14 -** Switched over from ID to KU	2002-059-00	7/26/2016