Table K-1. Summary of Model Watershed Project activities in the Salmon Subbasin, Idaho.

Year	Sponsor	Collaborators	Location	U F P A S F	N A S H P	L E M	M F U	M N F S L C	M S S F C S	L O S	Α		Monitoring
1993	Natural Resources Conservation Service	IDFG, NRCS, Private Landowner	East Fork - Tributary to Salmon River	X								Log barbs installed to control bank erosion along the East Fork.	Photo Reference Points, Bank stability monitoring
	Idaho Fish & Game Screen Shop	IDFG Screen Shop, NRCS	Lemhi River - Tributary to Salmon River			X							Future evaluation of travel times using existing PIT tag information
1994	US Forest Service	USFS, NRCS	Carmen Creek - Tributary to Salmon River		X	X						Construction of an inverted siphon on Big Flat Ditch to route ditch under Carmen Creek so water could seasonally reconnect to Salmon River	Photo Reference Points
1994	Conservation District		Hayden Creek - Tributary to Lemhi River			X						passage delays.	Future evaluation of travel times using existing PIT tag information
1994		IDFG, NRCS, Private Landowner	Hayden Creek - Tributary to Lemhi River			X							Evaluation of travel times using existing PIT tag information
1995	Natural Resources Conservation Service	NRCS, IDFG	Lemhi River - Tributary to Salmon River			X						Diversion Consolidation L49 to reduce passage delays	Future evaluation of travel times using existing PIT tag information
1995	US Forest Service	USFS, BPA, MWP	Carmen Creek - Tributary to Salmon River		Х	X						Change in the point of diversion from Carmen Creek to big flat ditch.	Photo Reference Points
	Idaho Fish and Game Department	BLM, IDFG, NRCS, USFS, Sho-Ban Tribes	Lemhi River - Tributary to Salmon River			X							IDFG fisheries monitoring, willow survival monitoring, photo reference points, future comparison to baseline habitat inventory.
1995	Bureau of Reclamation		Lemhi River - Tributary to Salmon River			X						through the assistance of the Nature	Photo Reference Points Future evaluation of travel times using existing PIT tag information

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<u>Year</u> 1995	Sponsor Bureau of Reclamation	Collaborators BoR, Private Landowner	Location Lemhi River - Tributary to Salmon River			X			Ī	Ī	Irrigation diversion was eliminated by	Monitoring Photo Reference Points Future evaluation of travel times using existing PIT tag information
1995		LID, FSA/NRCS, Private Landowners, IDFG				X					upgrade of fish screens. Fish ladder constructed to provide fish passage at low flows.	Photo Reference Points Future evaluation of travel times using existing PIT tag information
1996		BPA, NRCS, MWP, SBT, Private Landowner	Pahsimeroi River - Tributary to Salmon River		X							IDFG fisheries monitoring, photo reference points, future comparison to baseline habitat inventory
1996		-, -, -, -, -, -, -, -, -, -, -, -, -, -	Lemhi River - Tributary to Salmon River			X					Water conservation demonstration project. Canal modification.	Photo Reference Points
1996		NRCS, BPA, Private Landowner	Pahsimeroi River - Tributary to Salmon River		X						Reconstructed head gate for fish passage and water control. Phase 2: modified headgate for improved fish passage.	Photo Reference Points
1996		BPA, NRCS, MWP, SBT, Private Landowner	Pahsimeroi River - Tributary to Salmon River		X						A jack fence was constructed to exclude grazing and enhance riparian vegetation along critical spawning and rearing habitat in	IDFG fisheries monitoring, photo reference points, future comparison to baseline habitat inventory
1996	Conservation District	Private Landowner, IDFG Screen Shop	East Fork - Tributary to Salmon River	X							reduce passage delays. A permanent instream diversion was constructed to minimize annual maintenance.	Photo Reference Points Future evaluation of travel times using existing PIT tag information
1996	Conservation District	IDFG, BLM, NRCS	Tributary to Salmon River			X					Electric fence was installed on 315 acres of pasture to establish 5 grazing units to manage grazing along critical anadromous spawning and rearing habitat on the upper Lemhi R.	IDFG fisheries monitoring, photo reference points, future comparison to baseline habitat inventory
1996			East Fork - Tributary to Salmon River	X							Jack and barbed wire fence was built to enhance riparian vegetation and reduce sediment along a anadromous spawning, rearing, and migration corridor on the EFSR.	Photo Reference Points, future comparison to baseline habitat inventory

Year	Sponsor	Collaborators	Location	U F P A S F	P N A S H P	ИL БЕ М	M I F I U I	M M F S L C	IS F S	L O S	L S A	Project Description	Monitoring
1996	Custer Soil and Water		Pahsimeroi River - Tributary to Salmon River	2	K							A jack fence was built to control grazing and enhance riparian vegetation on Big Springs Creek along critical spawning and rearing areas	Challis High School riparian and channel morphology monitoring, IDFG fisheries monitoring
1996		USFWS, Private Landowner	Salmon		Х	ζ.						A fence was constructed and trees were planted to exclude grazing and enhance riparian vegetation along a slough channel that is utilized as off channel rearing habitat	Photo Reference Points
1996		BPA, NRCS, IDFG, Private Landowner	Pahsimeroi River - Tributary to Salmon River	2	K								IDFG fisheries monitoring, future comparison to baseline habitat inventory
1996		BLM, BPA, Private Landowner	Lemhi River - Tributary to Salmon River			X						was constructed on 490 acres of pasture create 6 grazing units including riparian pastures along critical spawning and rearing habitat in the upper Lemhi R.	IDFG fisheries monitoring, future comparison to baseline habitat inventory
1996		IDFG Screen Shop, Private Landowners	Lemhi River - Tributary to Salmon River			X						Diversion consolidation to reduce passage delays.	Future evaluation of travel times using existing PIT tag information
1996		BPA, Private Landowner	Pahsimeroi River - Tributary to Salmon River	2	K							A jack fence was constructed to exclude grazing and enhance riparian vegetation on the Pahsimeroi River along critical spawning and rearing habitat.	IDFG fisheries monitoring, future comparison to baseline habitat inventory
1996	Custer Soil and Water Conservation District	BPA, SBT, Private Landowner	Pahsimeroi River - Tributary to Salmon River	2	K							A jack fence was constructed to exclude grazing and enhance riparian vegetation on the Pahsimeroi River along critical spawning and rearing habitat.	IDFG fisheries monitoring, future comparison to baseline habitat inventory
1996	Idaho Fish & Game Screen Shop	IDFG Screen Shop	Lemhi River - Tributary to Salmon River			X						Diversion consolidation to reduce passage delays.	Future evaluation of travel times using existing PIT tag information

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<u>Year</u> 1996	Sponsor Custer Soil and Water Conservation District	NRCS, IDFG	Salmon River		X			Ī			Elimination of two irrigation ditches by consolidation into Challis irrigation canal to reduce passage delays  Monitoring  Future evaluation of travel times using existing PIT tag information
1997		BPA, BLM, NRCS, Private Landowner	Lemhi River - Tributary to Salmon River			X					Jack fencing was constructed to establish Photo Reference Points, future comparison to 5 grazing units to manage grazing along critical anadromous spawning and rearing habitat in the upper Lemhi R.
1997	Conservation District	IDFG, MWP, IDFG Screen Shop, Private Landowners	Tributary to			X					Three ditch consolidation to reduce passage delays  Future evaluation of travel times using existing PIT tag information
	, , ,		Lemhi River - Tributary to Salmon River			X					Constructed 15 miles of riparian fence on IDFG fisheries monitoring, future comparison to the upper Lemhi R. in critical spawning and rearing areas to protect and enhance riparian conditions
1997	Lemhi Soil and Water Conservation District	BPA, MWP, Private Landowner	Lemhi River - Tributary to Salmon River			X					A five wire fence constructed along the Lemhi River near Baker to enhance riparian vegetation along migration corridor  Photo Reference Points, future comparison to baseline habitat inventory
		BPA - IDFG Screen Shop	Lemhi River - Tributary to Salmon River			X					Diversion consolidation to reduce passage delays.  Future evaluation of travel times using existing PIT tag information
1997	Conservation District	USFS, Lemhi County RipCon, BLM, Private Landowner	Salmon River		X						Construction of .75 miles of fence along mainstem salmon and construction of 8 bank barbs for bank stability. BLM purchased a conservation agreement along the Salmon River. Willow plantings
1997		Priv. Land Owner, BoR, MWP	Lemhi River - Tributary to Salmon River			X					Barb placement in the Lemhi for erosion protection and maintenance of limited pool habitat. Exclusion fenced 1/8 mile.
		IDFG, BLM, Private Landowner	Lemhi River - Tributary to Salmon River			X					Construction of 5 bank barbs for bank stability Pool maintenance for juvenile chinook rearing habitat.

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Year	Sponsor	Collaborators	Location	+		7.7						Project Description	Monitoring
1997	Conservation District		Lemhi River - Tributary to Salmon River			X						grazing and enhance riparian vegetation along Lemhi River migration corridor. This project was coordinated by the Lemhi Co. Riparian Habitat Conservation Agreement Working Group	Photo Reference Points, future comparison to baseline habitat inventory
1997	Department	IDFG, National Fish and Wildlife Foundation, Private Landowner	Agency Creek - Tributary to Lemhi River			X						Bank barbs and bank stabilization work was done. Riparian exclusion fence (electric and wire) was built. Also 3 headgate structures were built to better control water use from Agency Creek.	Photo Reference Points
1997		IDFG, BPA, IDFG Screen Shop	East Fork - Tributary to Salmon River	X									Photo Reference Points, future comparison to baseline habitat inventory
1997	Lemhi Soil and Water Conservation District	BoR	Lemhi River - Tributary to Salmon River			X						Barb placement in the Lemhi for erosion protection and maintenance of limited pool habitat.	Photo Reference Points
1998		BPA, Private Landowner	East Fork - Tributary to Salmon River	X								Fork in critical habitat	Photo Reference Points, future comparison to baseline habitat inventory
1998	Lemhi Soil and Water Conservation District	BPA, Private Landowner	Lemhi River - Tributary to Salmon River			X							Photo Reference Points, future comparison to baseline habitat inventory
1998	Conservation District	USFWS (PFW), Private Landowner, BoR, Lemhi County	Salmon River	X								Constructed 1.4 miles of fence along the mainstem Salmon R. Also installed 10 rock barbs to improve bank stability	Photo Reference Points
1998	Conservation District	BPA, Private Landowner, NRCS, MWP	Salmon River			X						Constructed Rock vortex weir, headgate and wasteway, to facilitate fish passage on the Lemhi River. (In low water years this section of river was typically dewatered).	Photo Reference Points
1998		BoR, NRCS, IDFG, MWP	Agency Creek - Tributary to Lemhi River			X						Part of larger IDFG project to reconnect Agency Cr. Removal of barrier. Install log V-weir. Installation of headgate and culvert.	Photo Reference Points

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<u>Year</u> 1998		Collaborators BPA, IDFG Screen Shop, Private Landowner	Location East Fork - Tributary to Salmon River	X				T				Project Description Rip Rap on the EFSR. Fish and Game no longer responsible for the bridge easement.	Monitoring Photo Reference Points
1998	Custer Soil and Water Conservation District	BPA, Private Landowner	East Fork - Tributary to Salmon River	X								Bank stabilization using rock barbs. Willow plantings.	Photo Reference Points
1998	Custer Soil and Water Conservation District	BPA, Private Landowner	Pine Creek - Tributary to East Fork Salmon River	X								Irrigation improvement to let 4 cfs remain in Pine Creek.	Photo Reference Points
1998	Custer Soil and Water Conservation District	BPA, NRCS, Private Landowner	East Fork - Tributary to Salmon River	X								7200 feet of jack fence was built along the EFSR in critical habitat to protect riparian habitat.	Photo Reference Points, future comparison to baseline habitat inventory
1999		BoR, BPA, IDFG, MWP, Private Landowner	Pattee Creek - Tributary to Lemhi River			X						Installed fish passage siphon in Pattee cr. To allow fish passage through a dewatered section of the stream.	Photo Reference Points
1999		BPA, NRCS, Private Landowner	Pahsimeroi River - Tributary to Salmon River		X							Riparian fencing	Photo Reference Points, future comparison to baseline habitat inventory
1999		BPA, NRCS, Private Landowner	Wimpy Creek - Tributary to Lemhi River			X						Install sprinkler system to save water, move corrals away from creek.	Photo Reference Points
1999	Lemhi Soil and Water Conservation District	BPA, Private Landowner, BLM, MWP	Lemhi River - Tributary to Salmon River			X						Corridor fence was installed on northwest side of the Lemhi River to improve riparian vegetation along 6500 feet of river bank in critical habitat	Photo Reference Points, future comparison to baseline habitat inventory
1999	Conservation District	IDFG, BPA, Private Landowner, BLM, MWP	Canyon Creek - Tributary to Lemhi River			X						Install sprinkler pivots to improve irrigation efficiency. This project will reconnect Canyon Cr. to the Lemhi R. and provide access to historical anadromous habitat.	IDFG fisheries monitoring
1999		BPA, NRCS, Private Landowner	East Fork - Tributary to Salmon River	X								Rock barbs and riparian ribbon fence to protect 4000 feet of the EFSR.	Photo Reference Points

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Year	Sponsor	Collaborators	Location	S	ון ח	P IV.		L		9 5	A	Project Description Monitoring
1999		BPA, MWP, Private Landowner				Х						Improve riparian vegetation and streambank stability along Eighteenmile cr.
1999	Custer Soil and Water Conservation District	BPA, Private Landowner	Pahsimeroi River - Tributary to Salmon River		X							Improve riparian vegetation along approx Photo Reference Points 5000 feet of the Pahsimeroi. This project established a 3 pasture grazing system along the river improving 120 acres of bottomland and irrigated pasture
1999		, ,	East Fork - Tributary to Salmon River	X								Improve riparian vegetation along 5500 Photo Reference Points feet of the EFSR with Riparian ribbon fence
1999		BPA, NRCS, Private Landowner	East Fork - Tributary to Salmon River	X								Construct riparian enhancement fence to improve riparian vegetation along approx baseline habitat inventory 3700 feet of the EFSR
1999		Private Landowner	East Fork - Tributary to Salmon River	X								Riparian ribbon fencing to improve riparian vegetation along 1700 feet of the EFSR
1999			East Fork - Tributary to Salmon River	X								3000 feet of fence was constructed by the Future comparison to baseline habitat inventory Baker family. 1850 feet was constructed by the Shoshone Bannock tribes to enhance riparian vegetation in critical habitat on the EFSR.
1999		BPA, Private Landowner	Lemhi River - Tributary to Salmon River			X						Construct 5 rock barbs, 4 tree barbs, and Photo Reference Points reconstruction of existing v-weir to provide bank stability
2000		BPA, Private Landowner	Lemhi River - Tributary to Salmon River			X						1200 feet of fence along Lemhi River, in Critical habitat.  Photo Reference Points, future comparison to baseline habitat inventory
2000	Custer Soil and Water Conservation District	BPA, Private Landowner	Pahsimeroi		X							Place monolithic barbs to stabilize critical anadromous spawning habitat in the Pahsimeroi.
2000		BPA, Riparian Fencing	East Fork - Tributary to Salmon River	X								Riparian fencing to protect spawning and rearing habitat.

Year 2000			Location Pahsimeroi River		P M A S H H	M L S E P M	M F I U	M F L	M S S H C S	S I F C S S	L D S A	Project Description	Monitoring Photo Reference Points
2000		BPA, Private	- Tributary to Salmon River		X							Allan Bradbury	Photo Reference Points
2000	Conservation District	BPA, Private Landowner, NRCS, MWP, IDFG Screen Shop	Salmon River	X								converting the Laverty/Cutler Ranch from flood to sprinkler irrigation. Consolidate the S-26 (Hammond/Leaton ditch) and Chester pump diversion into the S-28 (Gini) canal. Both S-26 and S-29 were closed.	Photo Reference Points Future evaluation of travel times using existing PIT tag information
2000		BPA, Private Lanowner	Lawson Creek - Tributary to Pahsimeroi River		X							This project is to utilize Anderson Spring as a source for livestock watering to eliminate grazing pressure from the Lawson Creek	
2000	Idaho Transportation Department	Landowners	Lemhi River - Tributary to Salmon River			X						Instream structures constructed as part of mitigation for building highway 28 bridges. Funded by ITD.	IDFG fisheries monitoring
2000		BPA, BLM, MWP, Private Landowners	Eighteenmile Creek -Tributary to Lemhi River			X						Cross fence installed between Texas Cr and Eighteenmile Cr. to protect riparian resources	Photo Reference Points
2001		NRCS, BPA, Private Landowners	Lemhi River - Tributary to Salmon River			X						Removal of feedlot from stream corridor.	Photo Reference Points
2001		BoR, BPA, IDFG Screen Season	Salmon River		2	X						Eliminate S-13 gravel push-up dam and	Photo Reference Points Future evaluation of travel times using existing PIT tag information
2001	Lemhi Soil and Water Conservation District	BPA, Private Landowners	Lemhi River - Tributary to Salmon River			X							Photo Reference Points, future comparison to baseline habitat inventory

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