

Jurisdictional Determination and Wetland Delineation

Functions and Values Analyses

Table 1. Functions and Values Analyses for Existing Wetlands Associated with the W-1 wetlands abutting the Little Salmon River and Big Creek adjacent to the Salmon Meadows Wetland Mitigation Bank.

	Rating (L,M,H)	Functional Points	Possible Functional Points
Listed / Proposed T&E Species	L	0	1
ID National Heritage Program Species Habitat	L	0	1
General Wildlife Habitat	L	0.3	1
General Fish Aquatic Habitat	M	0.4	1
Flood Attenuation	M	0.5	1
Short- and Long-Term Surface Water Storage	M	0.7	1
Sediment / Nutrient / Toxicant Removal	M	0.4	1
Sediment / Shoreline Stabilization	M	0.7	1
Production Export / Food Chain Support	M	0.6	1
Groundwater Discharge / Recharge	NA	0	0
Uniqueness	L	0.1	1
Recreation / Education Potential	NA	0	0
Total		3.7	10
Percentage		37	
Wetland Category		III	

Table 2. Summary of Existing Wetlands W-1, adjacent to the Salmon Meadows Wetland Mitigation Bank.

Variable	Rating	Comment
Listed/proposed threatened and endangered species habitat	L	No threatened, endangered or candidate species have been observed on site.
Species of concern	L	No suspected species of concern.
General wildlife habitat	L	Existing wetlands provide wildlife habitat, but have low structural diversity.
General fish/aquatic habitat	M	Introduced brook trout and rainbow trout. Salmon and steelhead are stopped by fish barrier falls downstream of site.
Flood attenuation	M	These wetlands are subject to over bank flooding and has no or restricted outlet.
Short- and long-term water storage	M	These wetlands presently store seasonal and intermittent floodwaters.
Sediment/nutrient/ Toxicant removal	M	The wetlands receive some sediments and nutrients via floodwaters from the Little Salmon River and Big Creek which is regulated for TMDL.
Sediment/shoreline stabilization	M	Wetland vegetation provides the bank of the Little Salmon River and Big Creek.
Production export/food chain support	M	The wetlands provide biomass production for food/nutrient sources to the food chain.
Groundwater discharge/recharge	NA	Groundwater recharge may occur during runoff and flooding events, no groundwater discharge was observed onsite.
Uniqueness	L	The area is not unique in the region; vegetation is typical with low disturbance.
Recreational and educational potential	NA	Property and surrounding properties are private agricultural land.
Overall Rating	Category III	

Table 3. Functions and Values Analyses for Wetlands 2, 3, 4 and 5 in the Vicinity of Salmon Meadows Wetland Mitigation Bank.

	Rating (L,M,H)	Functional Points	Possible Functional Points
Listed / Proposed T&E Species	L	0	1
ID National Heritage Program Species Habitat	L	0	1
General Wildlife Habitat	L	0.3	1
General Fish Aquatic Habitat	NA	NA	0
Flood Attenuation	M	0.4	1
Short- and Long-Term Surface Water Storage	L	0.3	1
Sediment / Nutrient / Toxicant Removal	L	0.4	1
Sediment / Shoreline Stabilization	L	0.2	1
Production Export / Food Chain Support	M	0.6	1
Groundwater Discharge / Recharge	M	0.7	1
Uniqueness	L	0.1	1
Recreation / Education Potential	NA	0	0
Total		3	10
Percentage		30	
Wetland Category		IV	

Table 4. Summary of Wetlands 2, 3, 4 and 5 in the Vicinity of Salmon Meadows Wetland Mitigation Bank.

Variable	Rating	Comment
Listed/proposed threatened and endangered species habitat	L	No threatened, endangered or candidate species have been observed on site.
Species of concern	L	No usable habitat for any state species of concern.
General wildlife habitat	L	Existing wetlands provide limited wildlife habitat due to limited size, disturbance, and fragmentation.
General fish/aquatic habitat	NA	No fish habitat present in seasonal wetlands.
Flood attenuation	M	Channels retain some runoff during seasonal flows
Short- and long-term water storage	L	Received limited flood water during high seasonal flows, irrigation overflow, and precipitation.
Sediment/nutrient/ Toxicant removal	L	Reduces sediments and nutrients during seasonal flows and irrigation runoff from agricultural fields.
Sediment/shoreline stabilization	L	Wetlands are on the bank of seasonal drainage.
Production export/food chain support	M	The limited diversity of the wetlands provide moderate biomass production to the food/nutrient sources to the food chain.
Groundwater discharge/recharge	M	Groundwater recharge will occur during runoff and flooding events, some groundwater discharge will occur via transpiration and evaporation during the dry season.
Uniqueness	L	Disturbed wetlands are typical of pasturelands in the area.
Recreational and educational potential	NA	Privately owned and restricted access provides no recreational opportunities.
Overall Rating	Category IV	

Table 5. Functions and Values Analyses for Created Wetlands in the Salmon Meadows Mitigation Bank Site.

	Rating (L,M,H)	Functional Points	Possible Functional Points
Listed / Proposed T&E Species	L	0	1
ID National Heritage Program Species Habitat	L	0	1
General Wildlife Habitat	H	0.9	1
General Fish Aquatic Habitat	NA	NA	0
Flood Attenuation	H	0.9	1
Short- and Long-Term Surface Water Storage	H	0.9	1
Sediment / Nutrient / Toxicant Removal	M	0.4	1
Sediment / Shoreline Stabilization	H	0.9	1
Production Export / Food Chain Support	H	0.9	1
Groundwater Discharge / Recharge	M	0.7	1
Uniqueness	M	0.4	1
Recreation / Education Potential	NA	0	0
Total		6	10
Percentage		60	
Wetland Category		II	

Table 6. Summary of Created Wetlands in the Salmon Meadows Wetland Mitigation Bank.

Variable	Rating	Comment
Listed/proposed threatened and endangered species habitat	L	No threatened, endangered or candidate species have been observed on site.
Species of concern	L	No suspected species of concern.
General wildlife habitat	H	Wetlands will provide structurally diverse habitat with adequate adjacent food source in an area where riparian vegetation has historically removed.
General fish/aquatic habitat	NA	No fish habitat will be present on site.
Flood attenuation	H	Large percentage of forested and scrub/shrub wetlands are subject to over bank flooding with restricted outlet
Short- and long-term water storage	H	Seasonal and intermittent floodwaters will hold greater than 5-acre feet of water.
Sediment/nutrient/ Toxicant removal	M	The wetlands receive some sediments and nutrients via floodwaters. No toxicant influx is located in the area.
Sediment/shoreline stabilization	H	Wetlands vegetation cover and streambank stability ratings for cottonwoods and willows are high.
Production export/food chain support	H	The wetlands (>5 acres vegetated) will provide biomass production for food/nutrient sources to the food chain.
Groundwater discharge/recharge	M	Groundwater recharge will occur during runoff and flooding events.
Uniqueness	M	The area is not unique in the region; riparian vegetation is typical riparian with low disturbance. Areas of low disturbance in valley are not common due to heavy grazing.
Recreational and educational potential	NA	The wetland will be held as a conservation easement on private land with restricted access. Educational potential is possibility in future.
Overall Rating	Category II	

Groundwater Monitoring Data

Depth to groundwater was measured in 2 test pits located in or adjacent to wetland areas near the Bank site. Water levels were collected late summer and fall of 2013. This data was used to identify target wetland elevations for the project. Monitoring data is presented in Table 1 below.

Date	Well 1 (Depth to H2O ft)	Well 2 (Depth to H2O ft)	Little Salmon CFS
10/29/13	2.7	2.8	190
11/12/13	3.0	3.2	240
5/27/14	2.9	3.0	3800

Well Location Figure



Appendix D

Affidavit of Legal Interest

Appendix E

Bank-Specific Ledger

Salmon Meadows Mitigation Bank Credit Ledger December 31, 2013

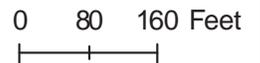
Item	Total Credit/Debit	Credits Issued		Permittee	Permit number	Type of Permit	Location	Impacts				
		PSS ('10 acre)	PFO (6 acre)					PEM	PSS	PFO Notes		
Initial Credit Release												
Second Release, planted and demonstrated hydrology												
Total	0	0	0					0	0	0		

Appendix F
Mitigation Site Plan Map Detail Index



Legend

- Project Area
- PFO
- Existing PEM
- PSS



The Wetlands Group, LLC.

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**Figure 3:
 Mitigation Site Plan Map**

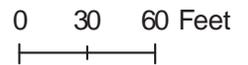
Salmon Meadows
 Mitigation Bank

NNW No:
 Waterbody: Little Salmon River
 River Mile:
 Location: New Meadows, Idaho
 Applicant: The Wetlands Group
 Sheet
 Date:



Legend

-  Project Area
-  PFO
-  Existing PEM
-  PSS



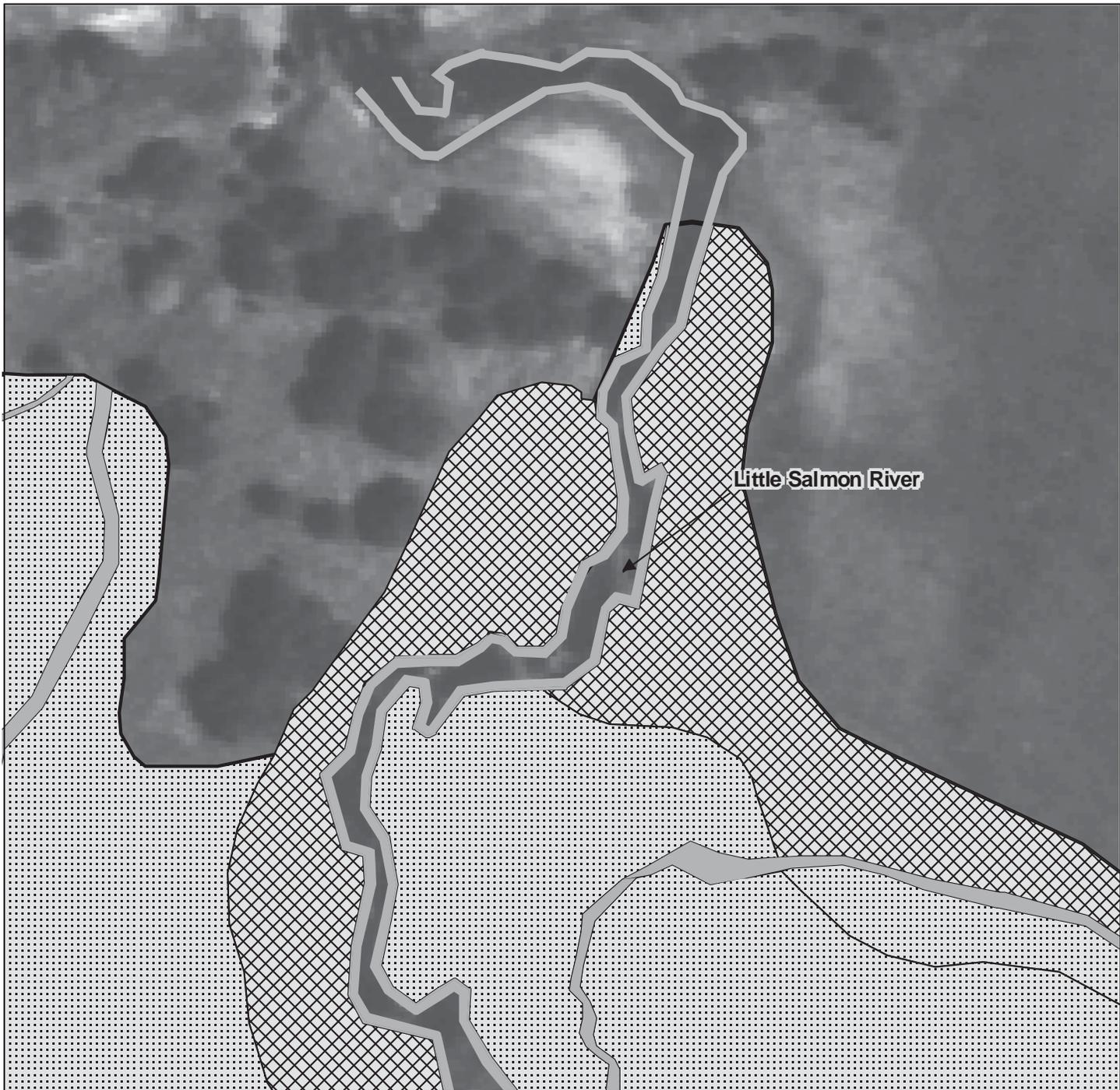
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**Figure 3: Index 1
Mitigation Site Plan Map**

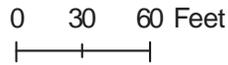
Salmon Meadows
Mitigation Bank

NNW No:
Waterbody: Little Salmon River
River Mile:
Location: New Meadows, Idaho
Applicant: The Wetlands Group
Sheet
Date:



Legend

-  Project Area
-  PFO
-  Existing PEM
-  PSS



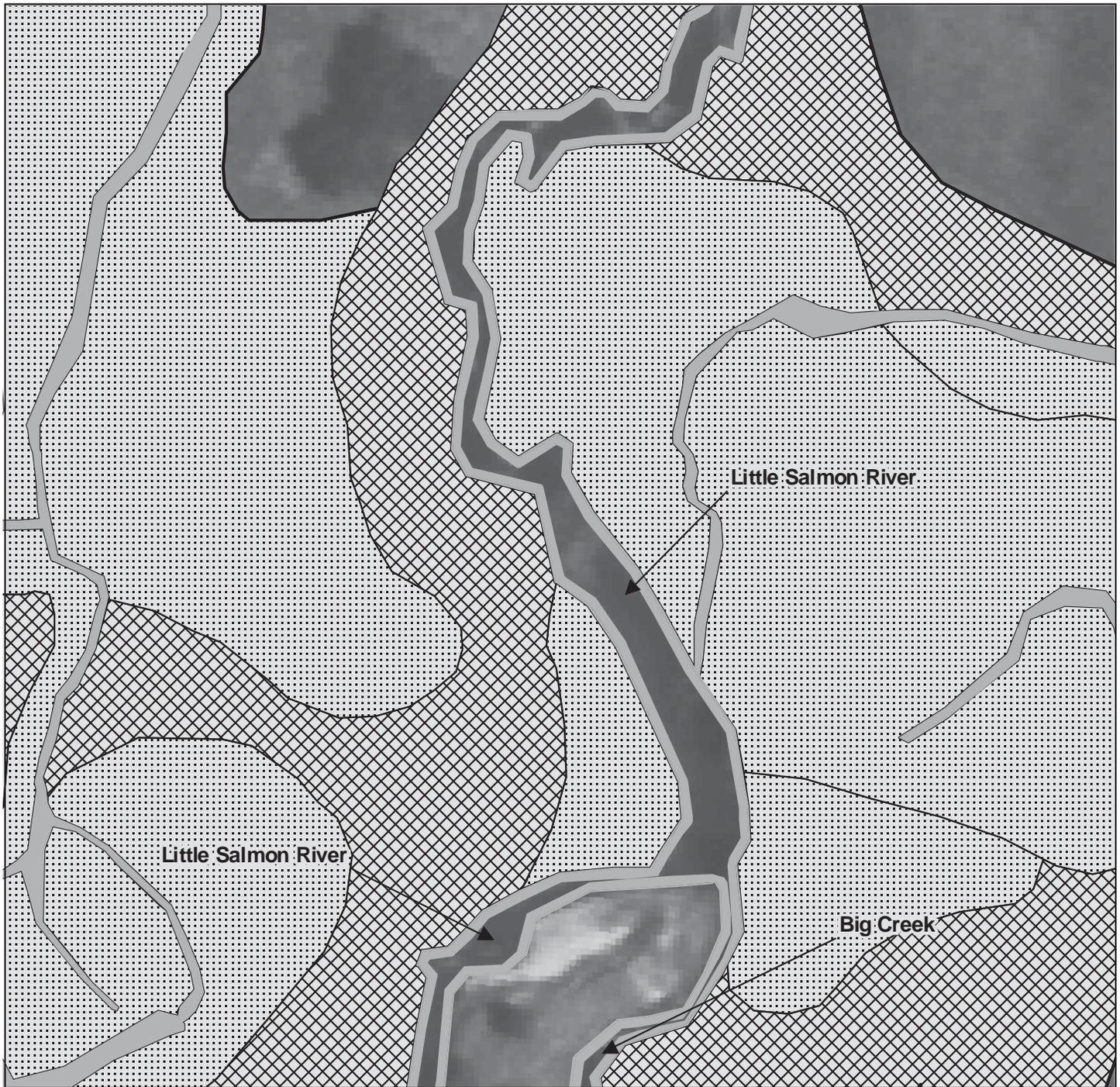
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**Figure 3: Index 2
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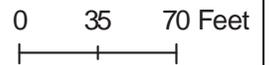
Salmon Meadows
Mitigation Bank

NNW No:
Waterbody: Little Salmon River
River Mile:
Location: New Meadows, Idaho
Applicant: The Wetlands Group
Sheet
Date:



Legend

-  Project Area
-  PFO
-  Existing PEM
-  PSS



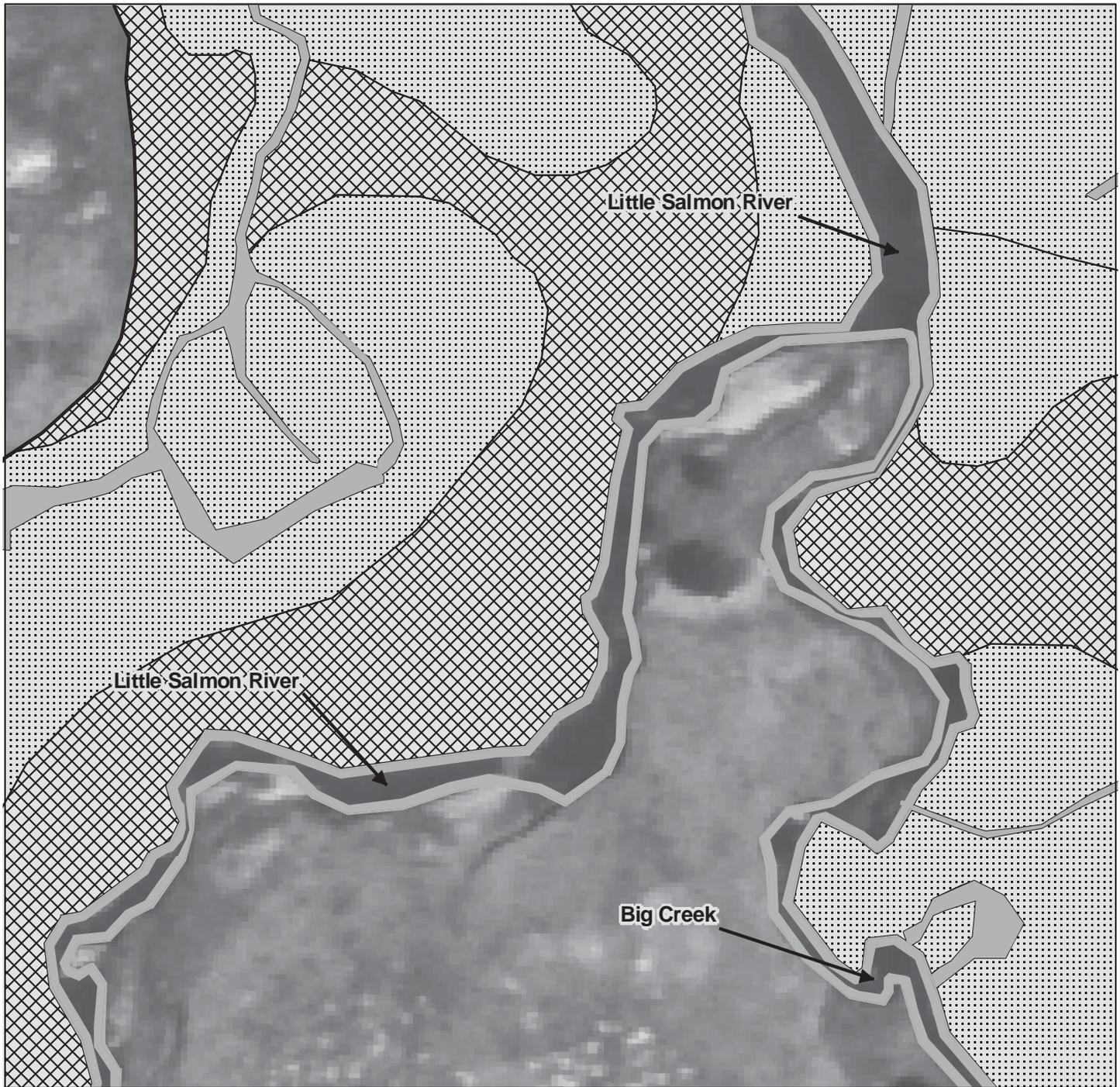
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**Figure 3: Index 3
Mitigation Site Plan Map**

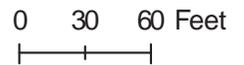
Salmon Meadows
Mitigation Bank

NNW No:
Waterbody: Little Salmon River
River Mile:
Location: New Meadows, Idaho
Applicant: The Wetlands Group
Sheet
Date:



Legend

-  Project Area
-  PFO
-  Existing PEM
-  PSS



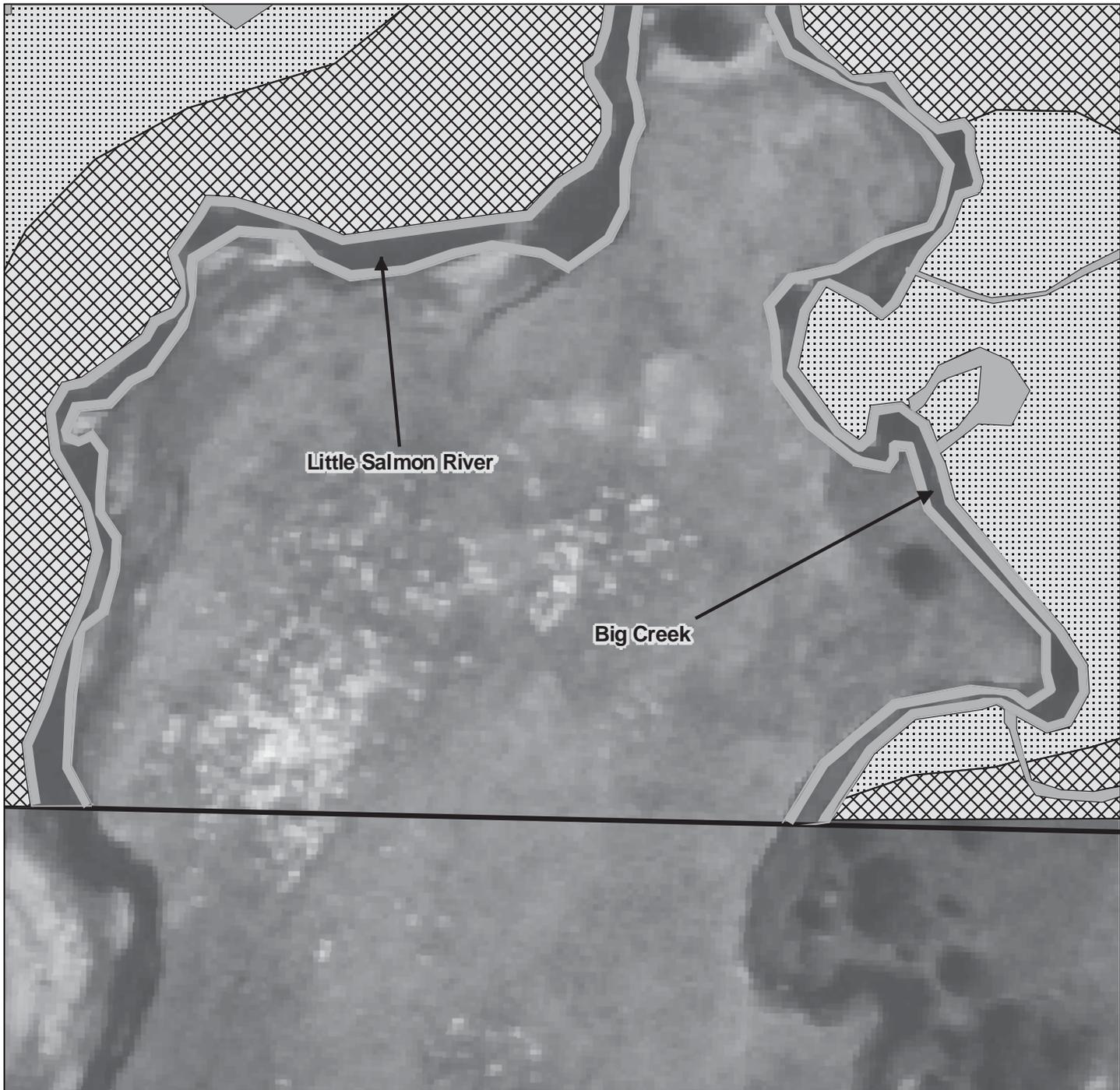
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**Figure 3: Index 4
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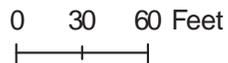
Salmon Meadows
Mitigation Bank

NNW No:
Waterbody: Little Salmon River
River Mile:
Location: New Meadows, Idaho
Applicant: The Wetlands Group
Sheet
Date:



Legend

-  Project Area
-  PFO
-  Existing PEM
-  PSS



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**Figure 3: Index 5
Mitigation Site Plan Map**

Salmon Meadows
Mitigation Bank

NNW No:
Waterbody: Little Salmon River
River Mile:
Location: New Meadows, Idaho
Applicant: The Wetlands Group
Sheet
Date: