

INTRODUCTION TO THE FISH/AQUATIC RESTORATION STRATEGY



April 13, 2017



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Purpose:

- Meet objectives of TCF Plan & YBIP
- Identify restoration projects
- Prioritize restoration work and locations
- Coordinate with partners
- Use Baseline data to inform decisions and monitor change



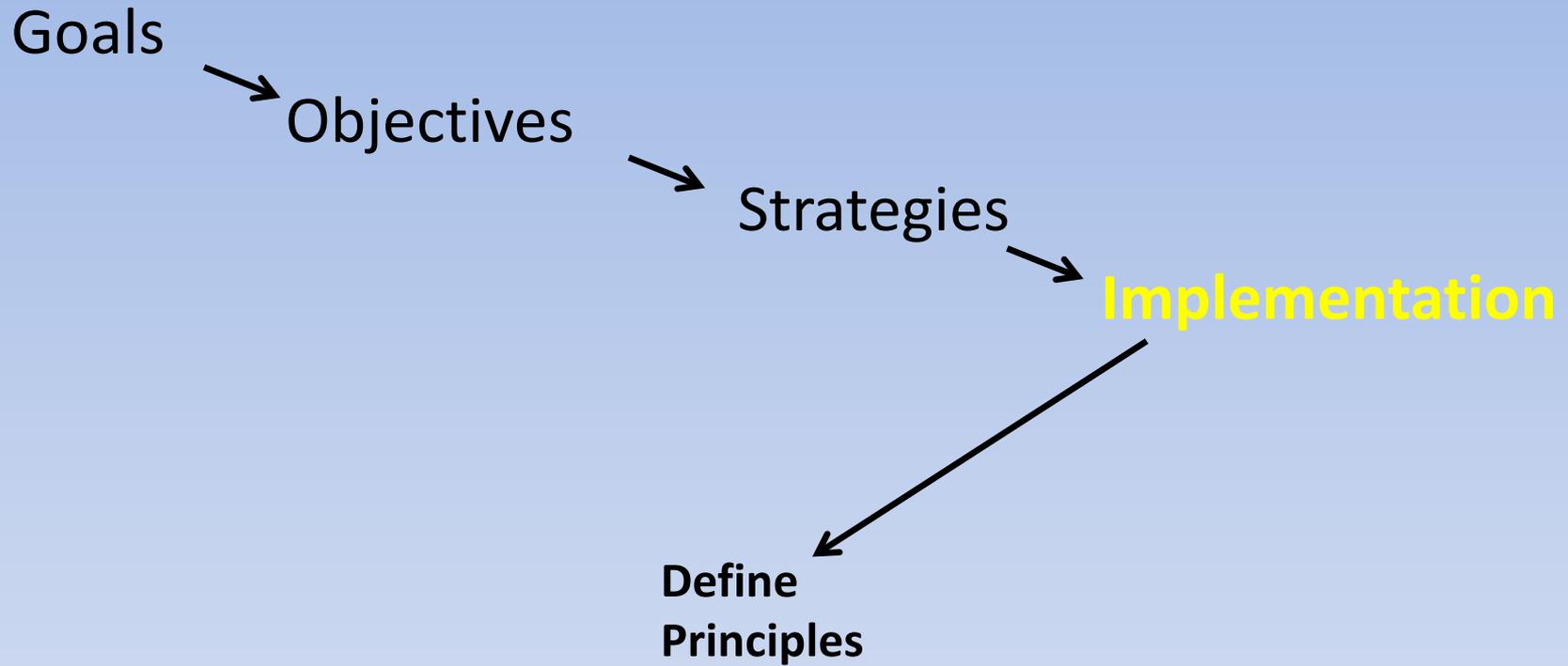


Restoration:





Restoration:



Principles for Prioritizing Restoration:

- Prioritize restoration in watersheds with greater amounts of habitat.
- Prioritize watersheds that provide the highest production potential for the highest priority fish species.
- Projects stream connections and address low flow in the Teanaway, especially higher in the watershed, will be more important than projects focusing solely on in-stream habitat.
- Restore watershed processes that are sustainable (channel migration, floodplain connections, flow paths, wetlands, beavers, etc.) to address low flows and warm temperatures.
- Consider the cost-benefit, logistics, feasibility, social concerns, and integration with other TCF goals.



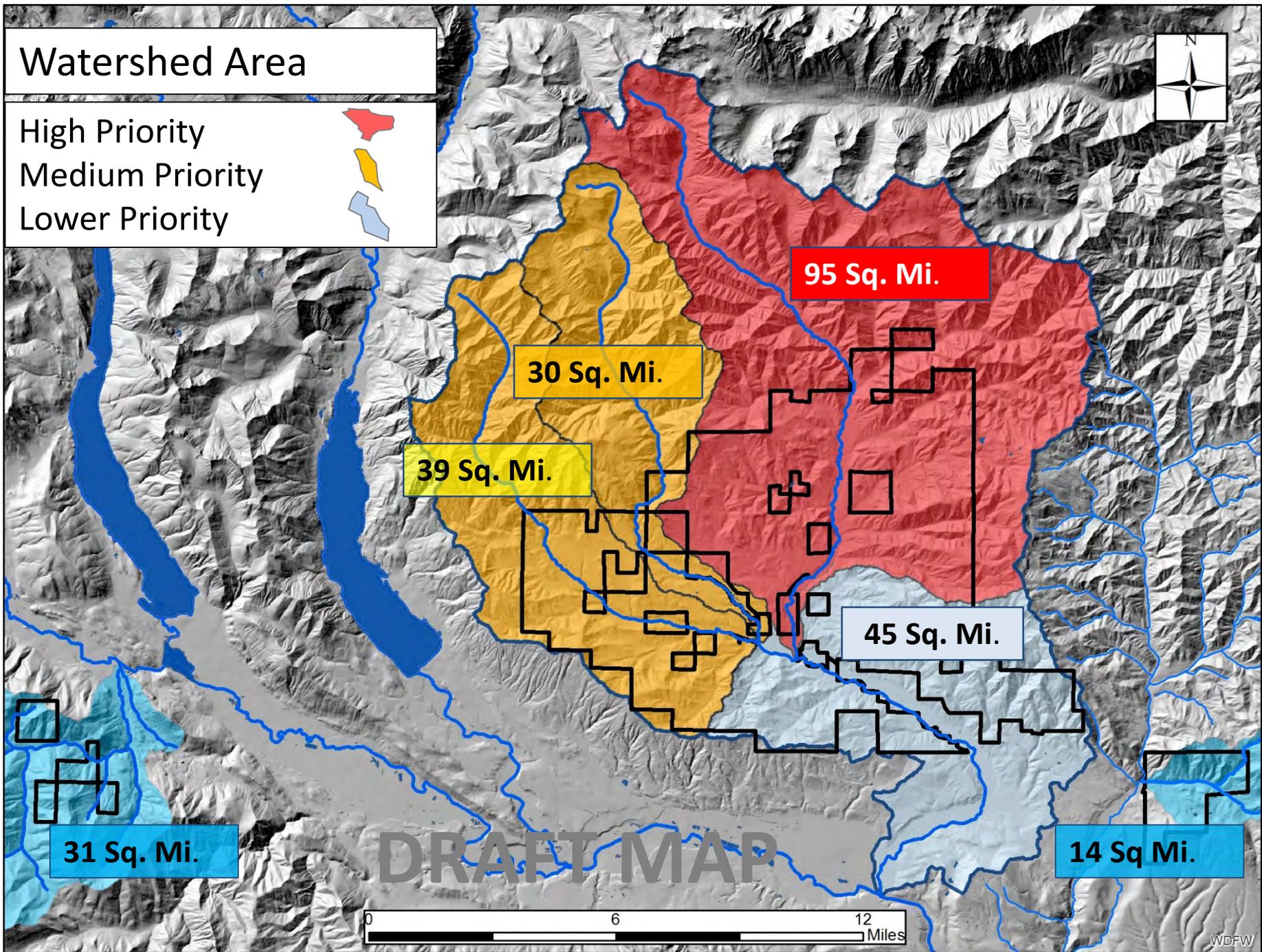
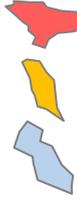
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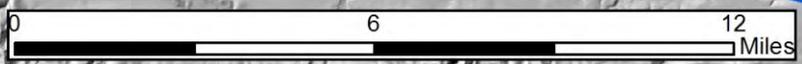


Watershed Area

- High Priority
- Medium Priority
- Lower Priority



DRAFT MAP

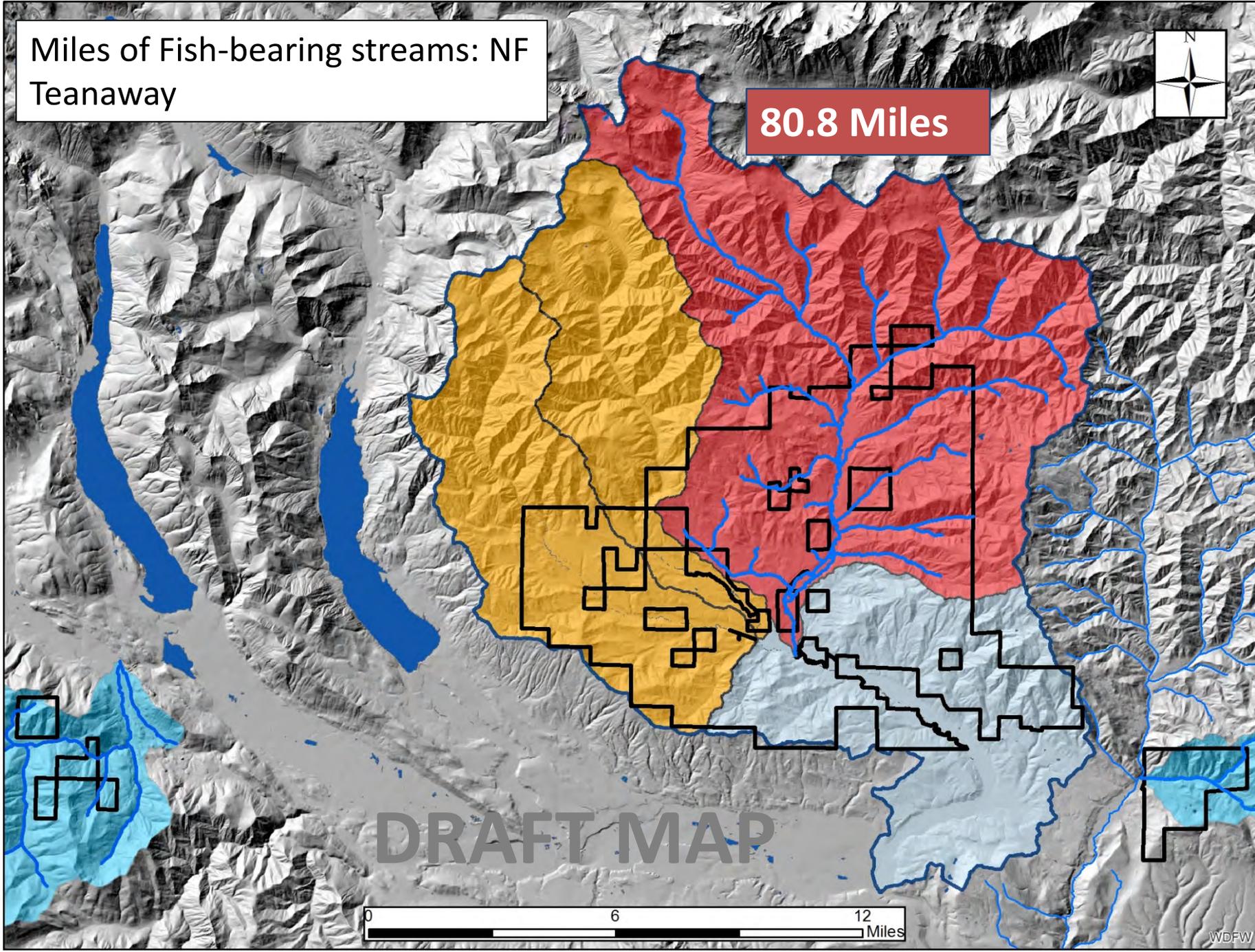
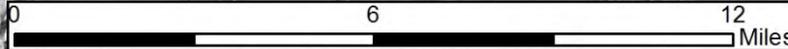


Miles of Fish-bearing streams: NF
Teanaway

80.8 Miles



DRAFT MAP

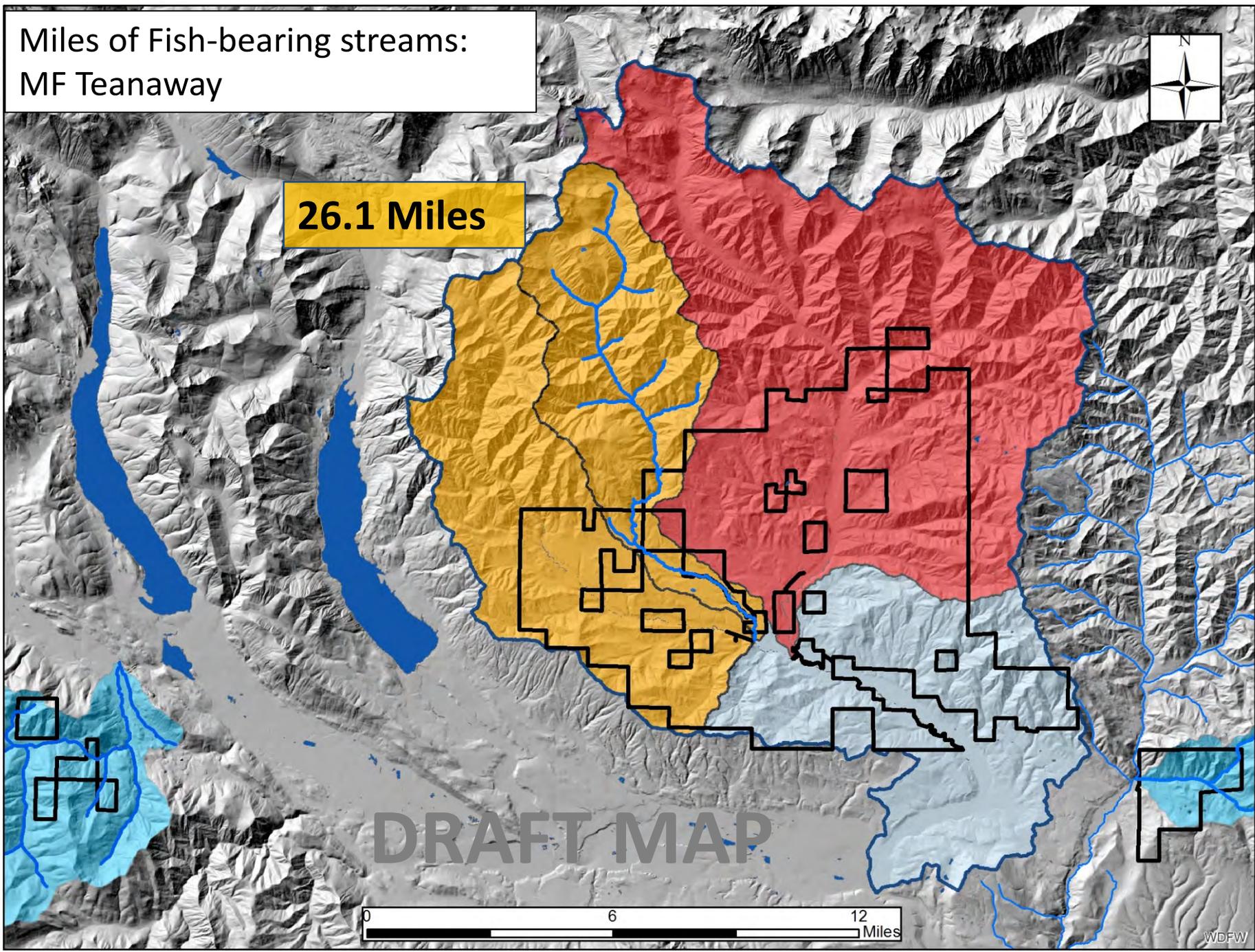
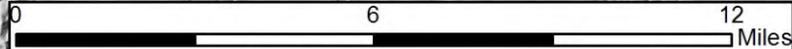


Miles of Fish-bearing streams:
MF Teanaway

26.1 Miles



DRAFT MAP

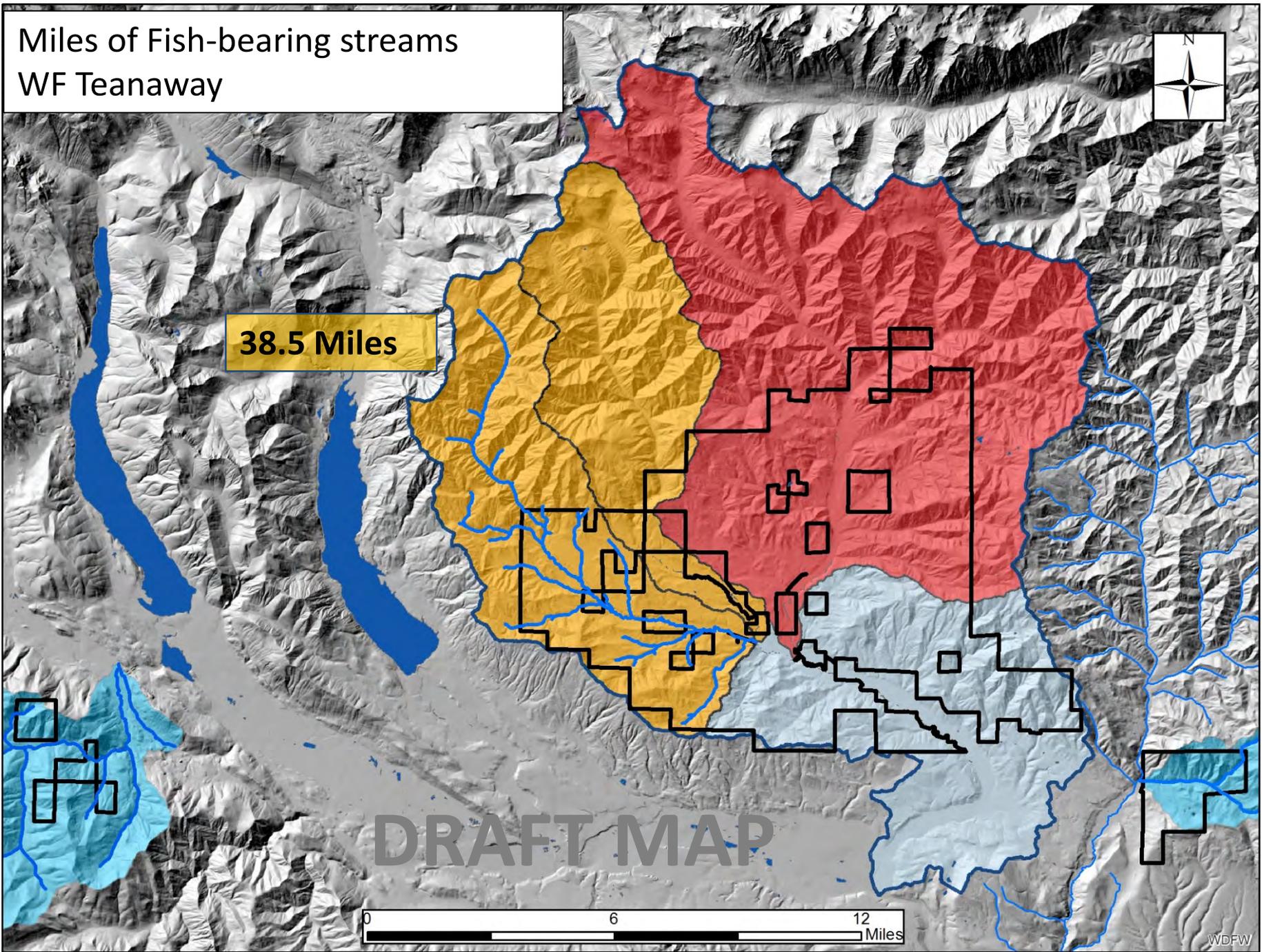
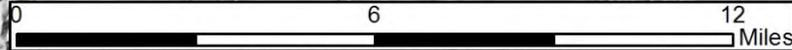


Miles of Fish-bearing streams
WF Teanaway

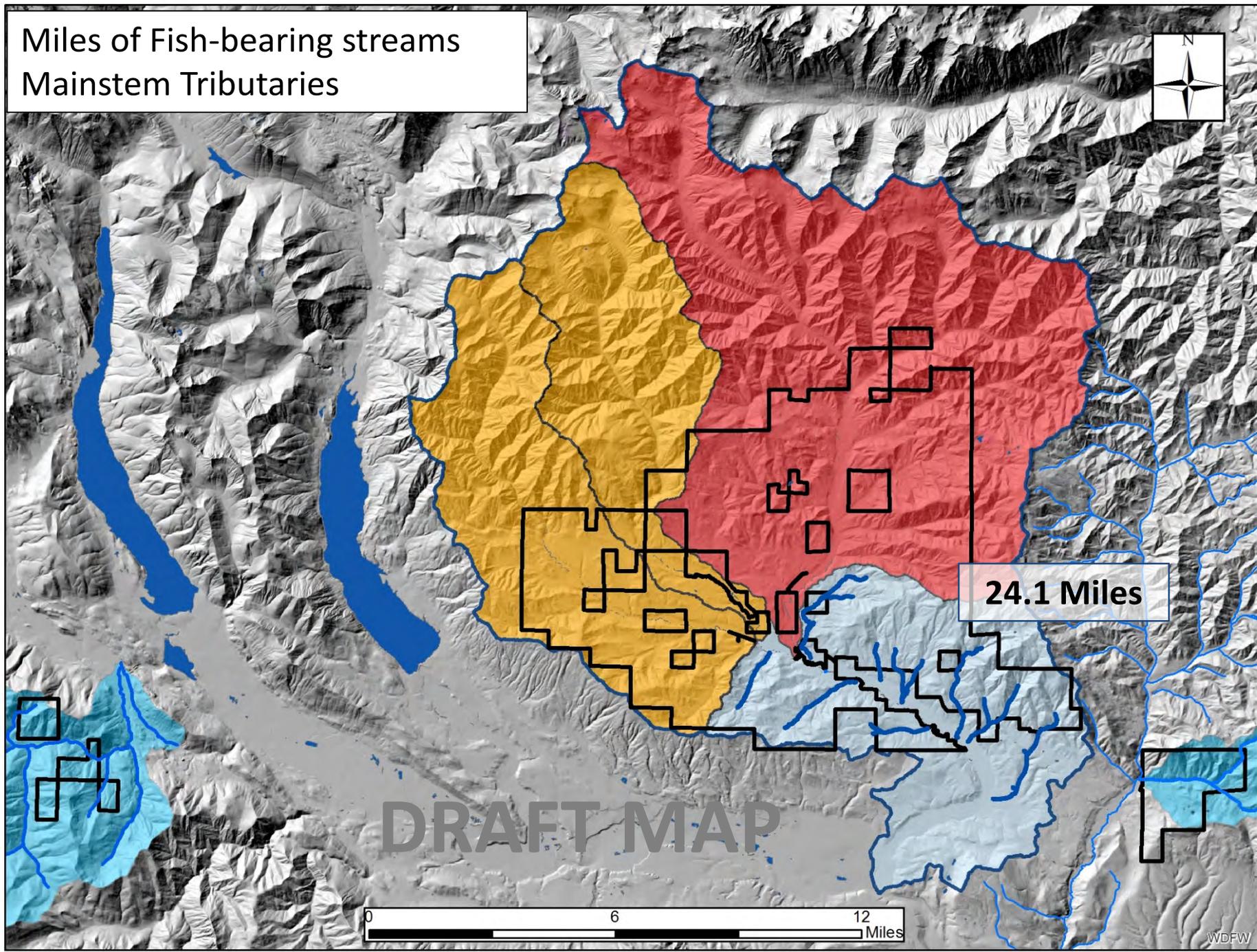


38.5 Miles

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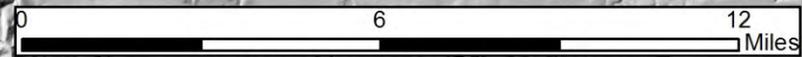


Miles of Fish-bearing streams
Mainstem Tributaries



24.1 Miles

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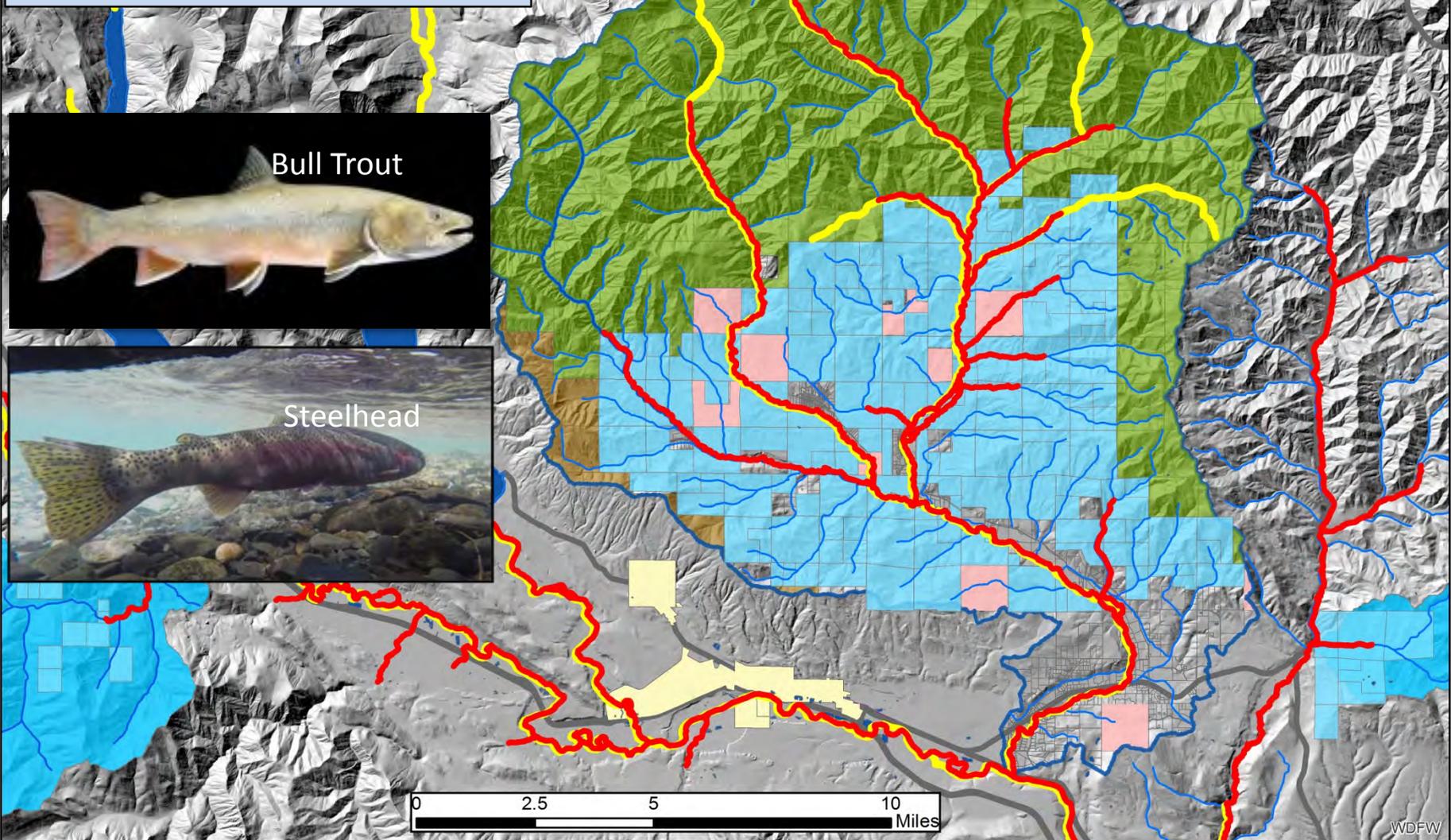


Critical Habitat Designations:

Bull trout



Steelhead



Bull Trout



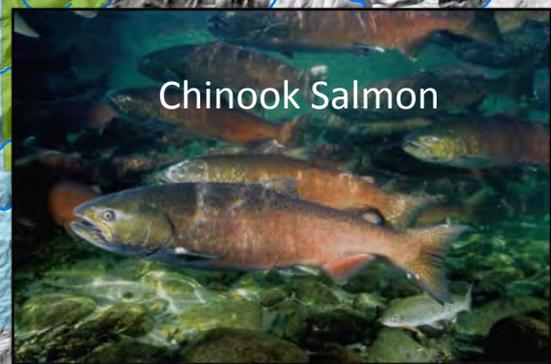
Steelhead

Teanaway Community Forest spawning data:

- Steelhead redds 2012 - 2014
- Chinook redds 2002 - 2012



Steelhead

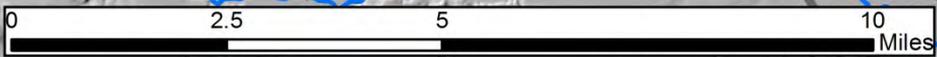


Chinook Salmon

ROSLYN

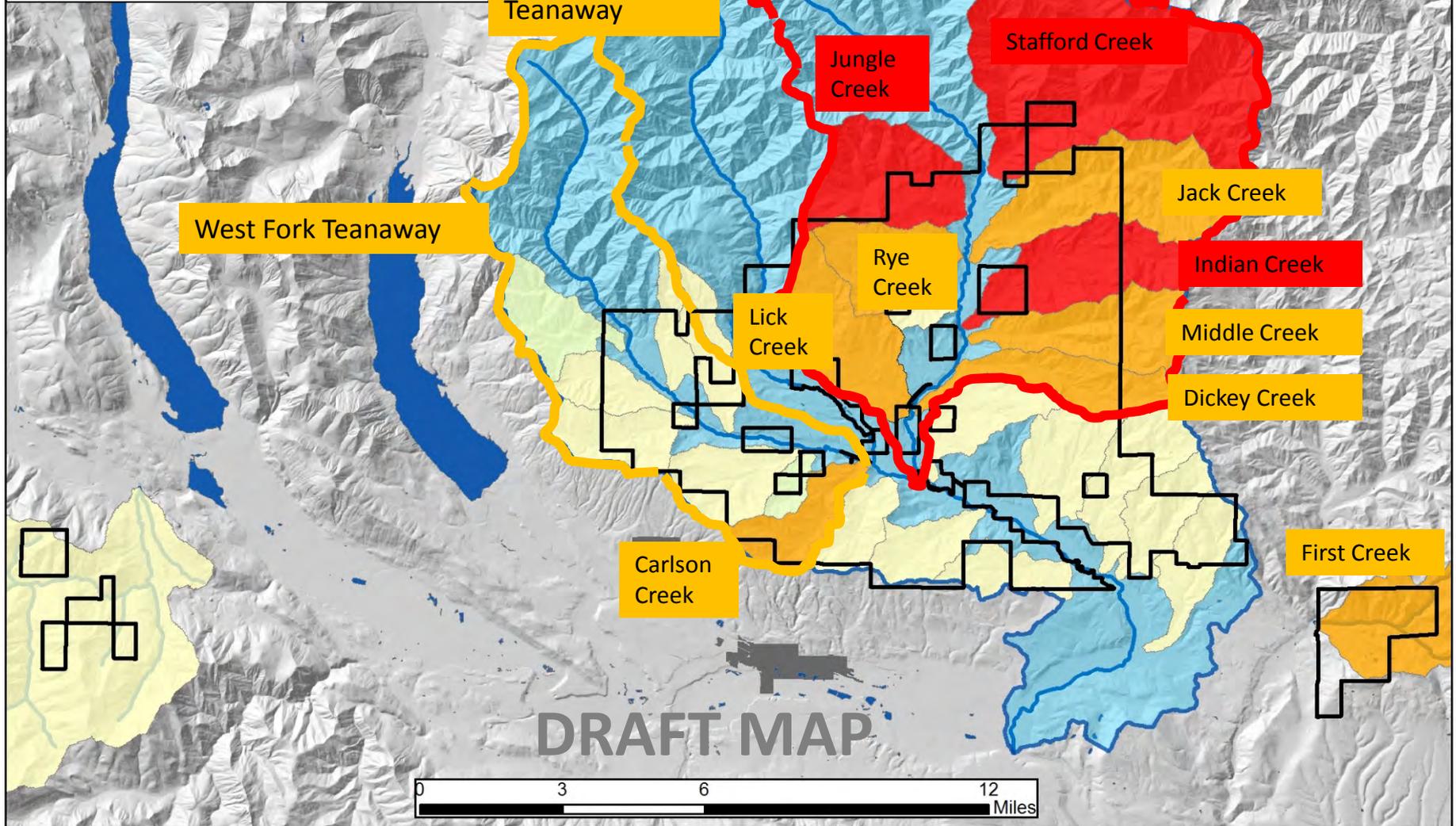
CLE ELUM

Data curtesy of A. Dittman, NOAA Fisheries

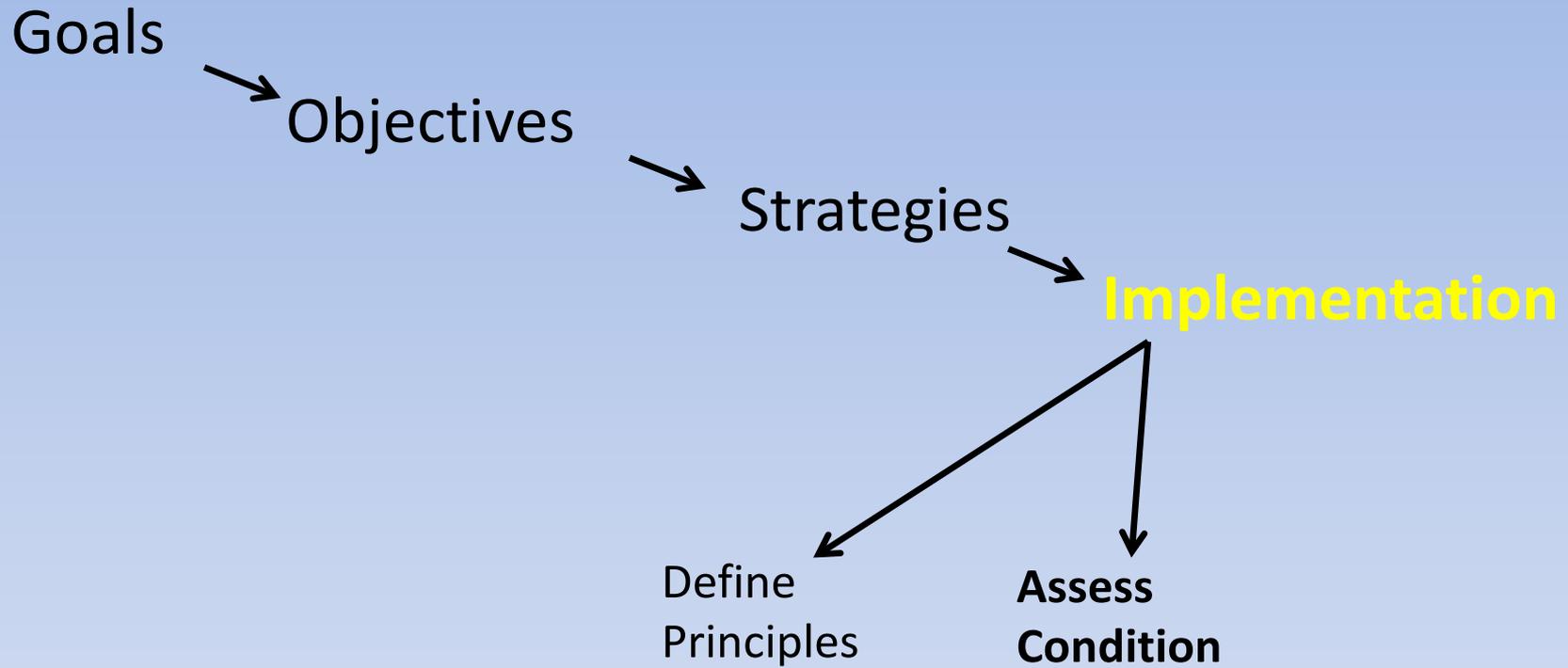


TCF Watershed Priorities

High Priority
Medium Priority
Lower Priority

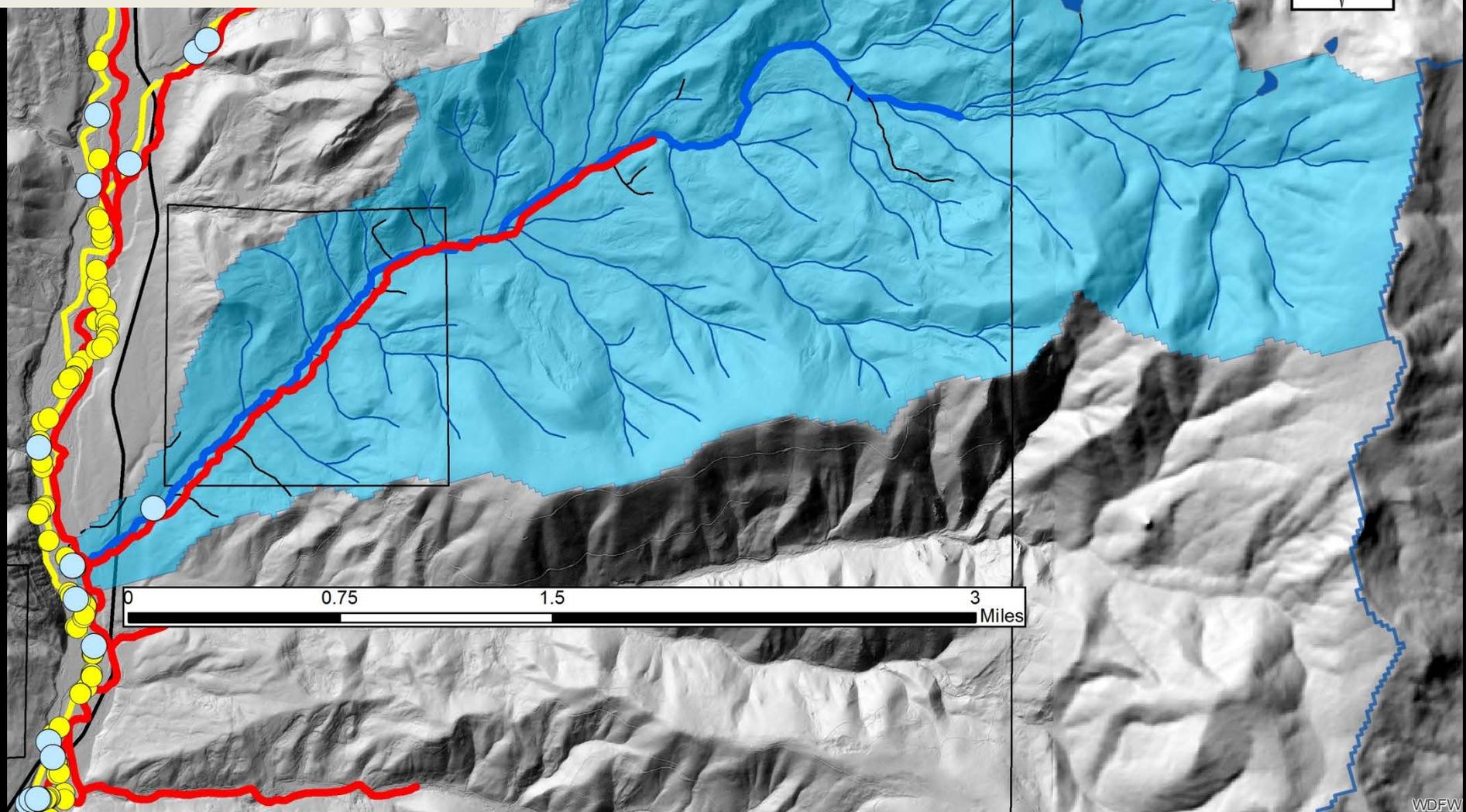


Restoration:



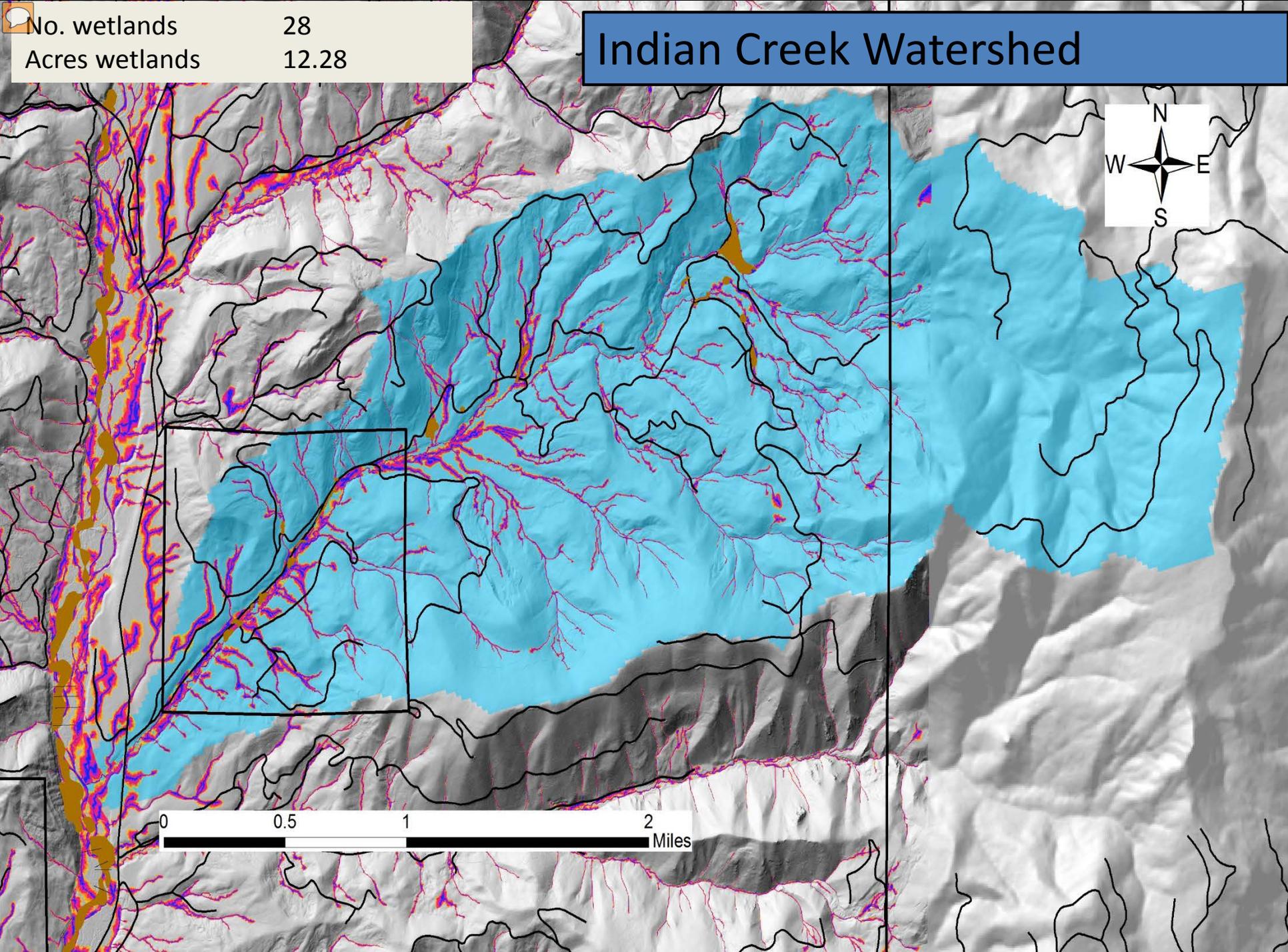
Watershed Area	6.2 sq. miles
Miles Fish Bearing	4.14 miles
Steelhead CH	2.2 miles
Bull Trout CH	No
Chinook	rearing
No. wetlands	28
Acres wetlands	12.28

Indian Creek Watershed



No. wetlands	28
Acres wetlands	12.28

Indian Creek Watershed



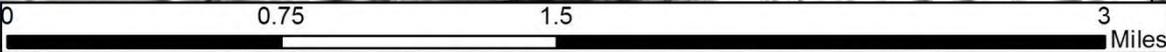
Indian Creek Watershed

Total Roads	20.6 miles
Active Roads	13.2 miles
Sediment	6.4 tons/yr
Culverts	69
Bridges	1
Fish Barriers	0

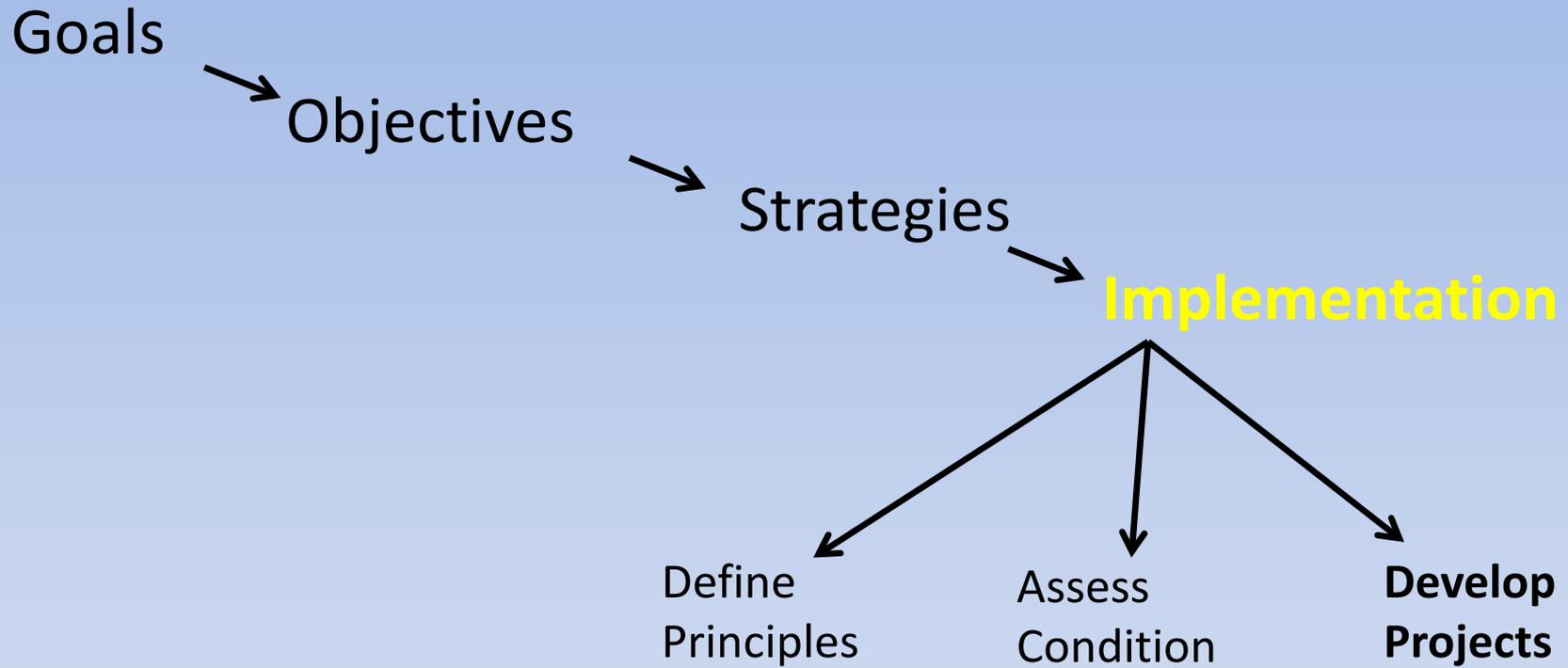


Fine Sediment

-  = 0.5-1.0 ton/yr
-  = 0.25-0.5 ton/yr
-  = 0-0.25 ton/yr



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Project Lists:

Indian Creek Watershed

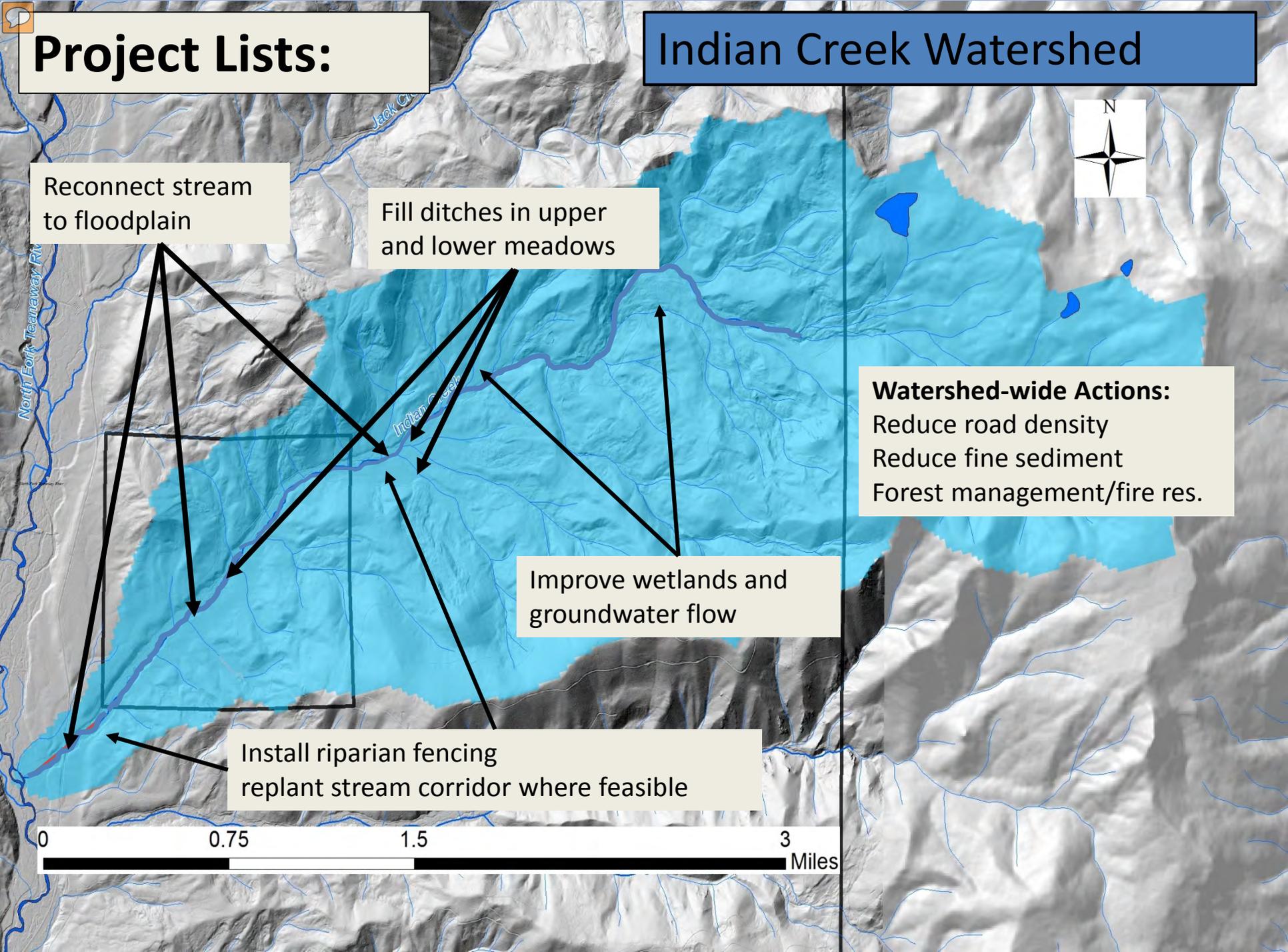
Reconnect stream to floodplain

Fill ditches in upper and lower meadows

Improve wetlands and groundwater flow

Install riparian fencing
replant stream corridor where feasible

Watershed-wide Actions:
Reduce road density
Reduce fine sediment
Forest management/fire res.



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Next Steps.....



Further develop projects and sequence them;
Integrate with roads, grazing, forestry, recreation etc...

Questions ?

