

Conservation Update

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Draft PEIS Conservation Issues

- Conservation content in PEIS
- Conservation and climate change
- Conservation and legal constraints
- Conservation messaging

Draft PEIS Conservation Content

Every alternative has domestic, irrigation and hatchery conservation

Projects	Proposed Alternatives					
	No Action Alternative	Alternative 1	Alternative 2	Alternative 3	Alternative 4	
	0	Conservation				
IPID Irrigation Efficiencies		•	•	•	•	
COIC Irrigation Efficiencies (Piping)		•	•	•	•	
Domestic Conservation Efficiencies		•	•	•	•	
LNFH Conservation and Water Quality Improvements		•	•	•	•	
	Pu	ımp Exchange				
IPID Dryden Pump Exchange		0	•	•		
COIC Irrigation Efficiencies (Pump Exchange)		•	•	•	•	
	Modification/Re	storation of Existing S	itorage			
Alpine Lakes Reservoir Optimization, Modernization and Automation		•			•	
Eightmile Lake Storage Restoration		•	•		•	
	1	Vew Storage				
Eightmile Lake Storage Enhancement					•	
Upper Klonaqua Lake Storage Enhancement					•	
Upper and Lower Snow Lakes Storage Enhancement					•	
	Habitat/Fi	sheries Improvement	5			
Tribal Fishery Projection		•	•	•	•	
Habitat Protection and Enhancement		•	•	•	•	
Fish Passage		•	•	•	•	
Fish Screening		•	•	•	•	
	Legislative	/Administrative Tools				
Water Markets		•	•	•	•	
Instream Flow Rule Amendment		•	•	•	•	
OCPI legislative fix from instream flow impacts				•		

Represents a long-term project that could increase instream flow benefits if O&M funding is foun

Draft PEIS Conservation Content

IWG Water Conservation Projects

Project	Current Use from Icicle Creek (cfs)	Proposed Future Use from Icicle Creek 2050 (cfs)	Conserved Quantities (cfs)
IPID Irrigation Efficiencies	117.7	107.6	10.1
COIC Irrigation Efficiencies	11.9	0.0	11.9
Domestic Conservation Efficiencies ¹	3.1-6.2	3.1-8.7	0.5
LNFH Conservation and Water Quality Improvements	42.0	22.0	20.0
IPID Pump Exchange	117.7	92.7	25.0

Total 42.5

1. Current and future domestic use range is based on current physical diversion capacity and whether future growth is exercised from Icicle Creek or Wenatchee River sources.

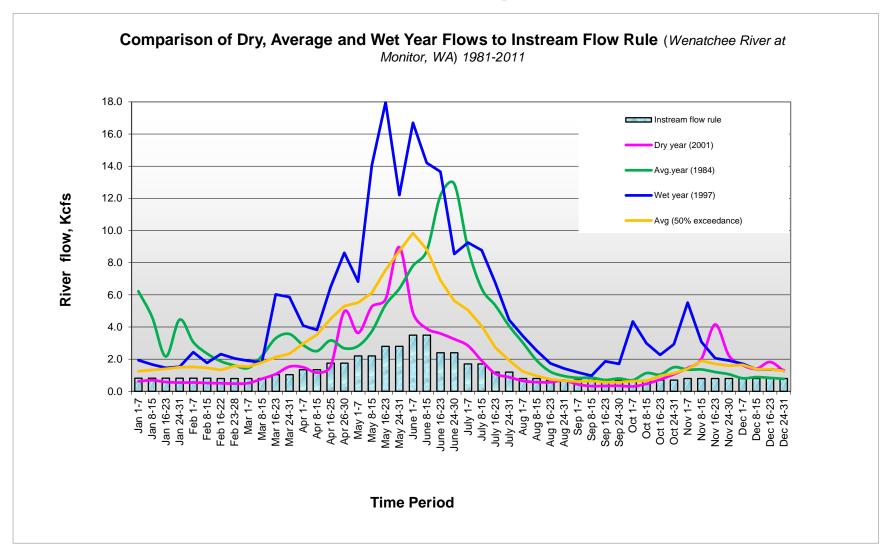
Conservation and Climate Change

Summary of Findings (100 cfs Guiding Principle)

DRAFT

	Low Change	Medium Change	High Change
Alternative 1	Yes	Yes	Yes
Alternative 2	Yes	Yes	No
Alternative 3	No	No	No
Alternative 4	Yes	Yes	Yes

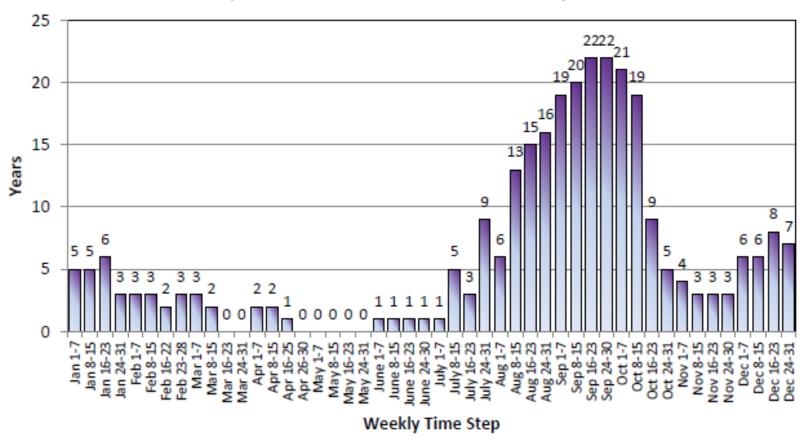
Conservation and Legal Constraints



Conservation and Legal Constraints

Total Interruptible Years vs. Instream Flow Rule

(Wenatchee River at Peshastin, 1984-2014)



Conservation and Legal Constraints

- Conservation works well to meet the instream flow guiding principle.
- Conservation diminishes instream flow when used to meet out-of-stream guiding principle.
- In-kind, in-time, in-place standard under Foster/Yelm requires legal fix for implementation.

Conservation Messaging

- How do we communicate strong conservation focus of all packages?
- How do we communicate risks of a conservation-only approach?
- How do we set the stage for legal authority without becoming embroiled in the State issues around Hirst, Foster, and Swinomish?
- Where does conservation fit in project pairing and phasing?