

2007 Tributary Water Rights Auction

History

1905 water users, tributary flows

Prototypes

2001, 2005 drought auctions

Deschutes River Reverse Auction

Australian Bush Tender

Funding

Department of Ecology and Columbia
Basin Water Transaction

Program/BPA

2007 Tributary Water Rights Auction

GOALS

- Wise expenditure of public funding
- Transparent process
- Improve knowledge of market pricing for water rights
- Streamline the process of doing deals
- Partnership between public and private entities, i.e., non-profit organizations and Ecology
- Measurably improve instream flow, fish passage, and habitat values in priority tributary streams
- Improve flow and water quality in the Yakima River below Parker
- Improve knowledge of water right auctions in Washington State

2007 Tributary Water Rights Auction

PRIORITIES

- **Tributary focus**
- **Permanent, dry-year and split-season leases**
- **Trust Water Rights Program**
- **Conditions & eligibility requirements**
- **Biological criteria**

2007 Tributary Water Rights Auction

RESULTS

1 returned bid

EXPLANATION

Timeline?

Complexity?

Conditions?

Other options for use of water?

2007 Tributary Water Rights Auction Flow Restoration

- Assess Fish Benefits
- Primary and Secondary Reach Assessment
- Simple Quantitative Analysis
- Focus on Key Life History Functions



Fisheries Assessment

Flow Benefits For Key Functions

- ❁ **Passage**
- ❁ **Fish Presence**
- ❁ **Future Conditions**
- ❁ **Ancillary Benefits**



Fisheries Assessment

Flow Benefits For Key Functions

❁ Passage

- ❁ Summer low flow, critical riffles
- ❁ Culverts, dams, diversion structures



Fisheries Assessment

Flow Benefits For Key Functions

❁ Fish Presence

- ❁ Species diversity, ESA listings
- ❁ Acquisition timing – migration windows
- ❁ Rearing & spawning
- ❁ Trophic relationships – Increased diversity

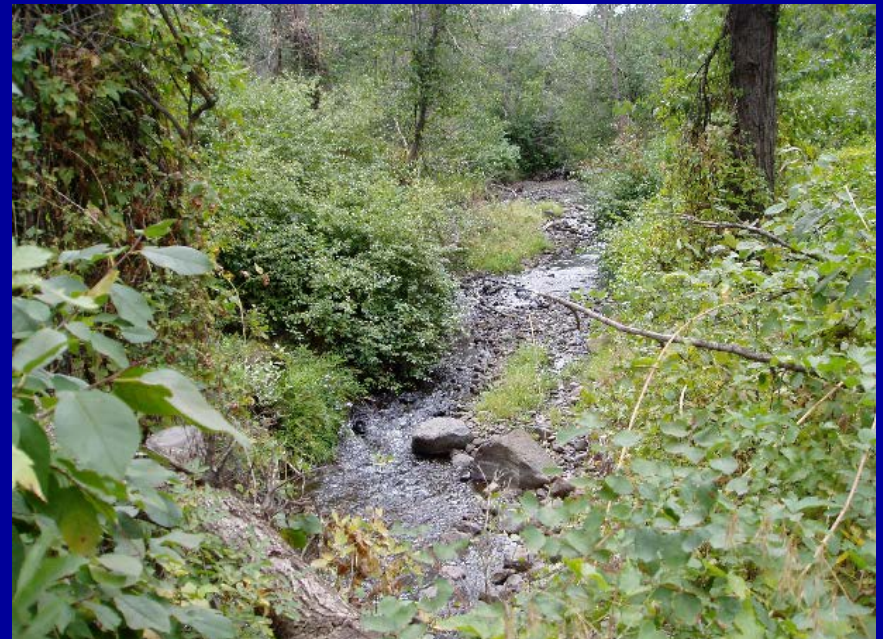


Fisheries Assessment

Flow Benefits For Key Functions

❁ Future Conditions

- ❁ Does the project facilitate barrier removal?
- ❁ Riparian restoration efforts
- ❁ Supplementation potential



Fisheries Assessment

Flow Benefits For Key Functions

❁ Ancillary Benefits

- ❁ Eco-connectivity
- ❁ Wetlands
- ❁ Other wildlife



Fisheries Assessment

Flow Benefits For Key Functions

1 - Low value 2 - Medium value 3 - High value

Site Review Worksheet Values: 1 = Low, 2 = Medium, 3 = High

Passage:	Natural	Unnatural barriers	Riffle depth	Distance to Holding cover	Off-Channel habitat access	
	Primary reach:					
Secondary reach:						0.00

Future Condition:	Supplementation					
	Barrier Removal	Development	Riparian potential	Exempt wells	Lost opportunity	
Primary reach:						0.00
Secondary reach:						0.00

Fish Presence:	Timing of					
	Acquisition	Flow increase	Gradient	Spawning		Rearing
Primary reach:						0.00
Secondary reach:						0.00

Ancillary Benefits:	Wildlife Migration corridor	Ecological connectivity	Preserv. of Riparian Communities	
	Primary reach:			
Secondary reach:				0.00

Site Review Values	SRVpri	SRVsec
	0.00	0.00

Notes: $SRV = 0.3 \cdot \text{Passage} + 0.25 \cdot \text{Future Cond.} + 0.35 \cdot \text{Fish Presence} + 0.1 \cdot \text{Ancillary Benefits}$

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