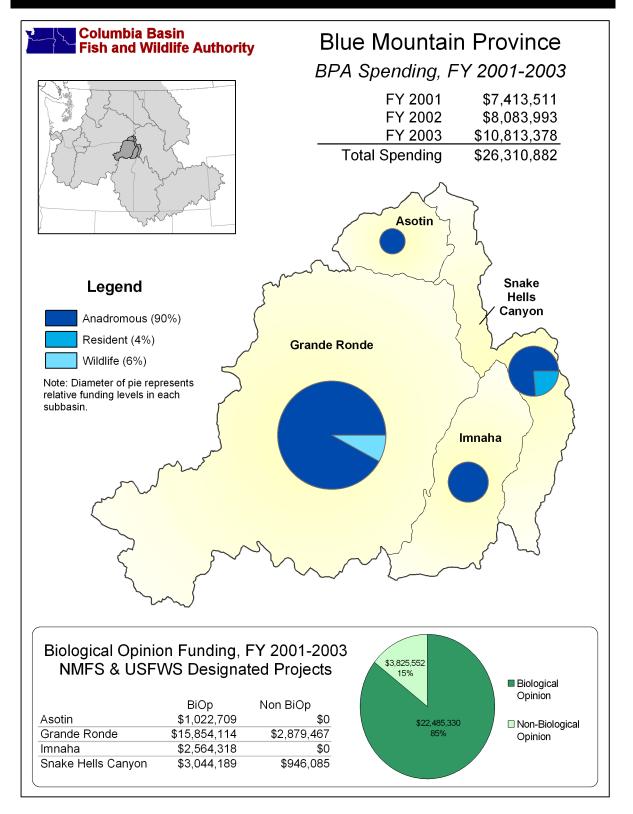
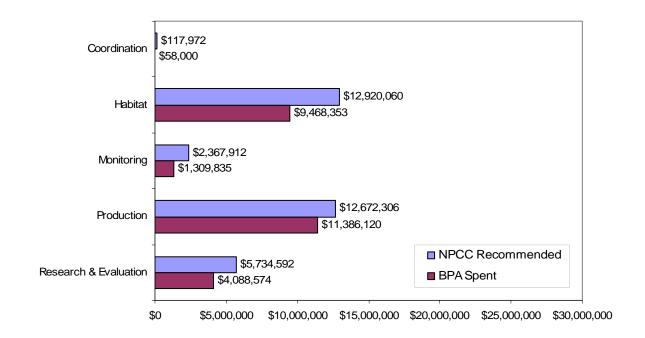
Blue Mountain Province

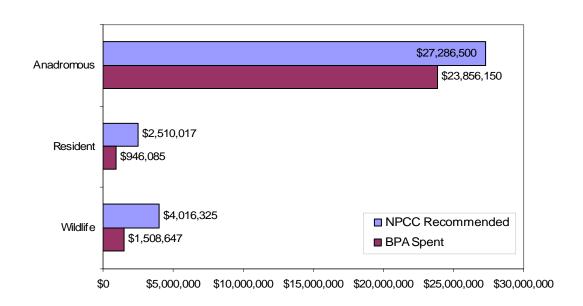


Blue Mountain Province FY 2001-2003 Spending Summaries

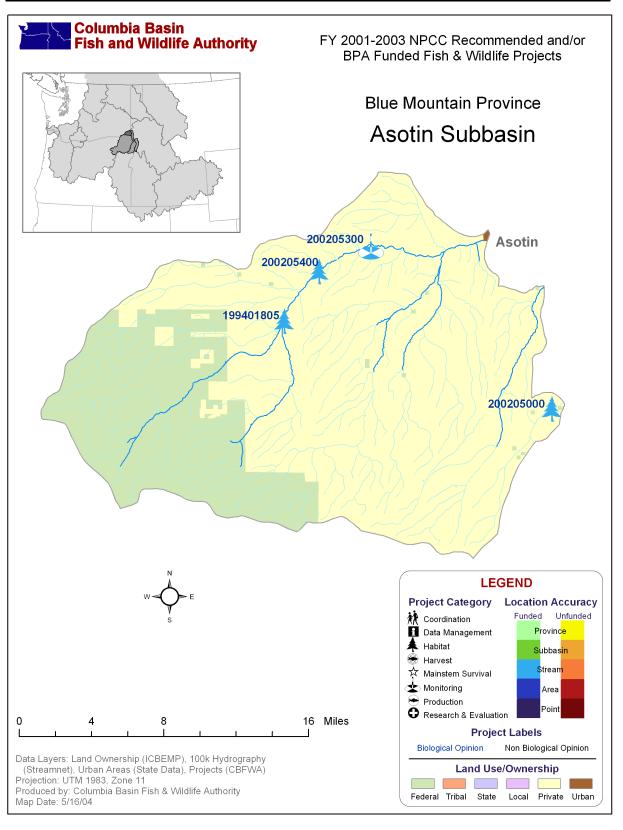
NPCC Recommendations and BPA Spending by Project Category, FY01-03



NPCC Recommendations and BPA Spending by Project Type, FY01-03



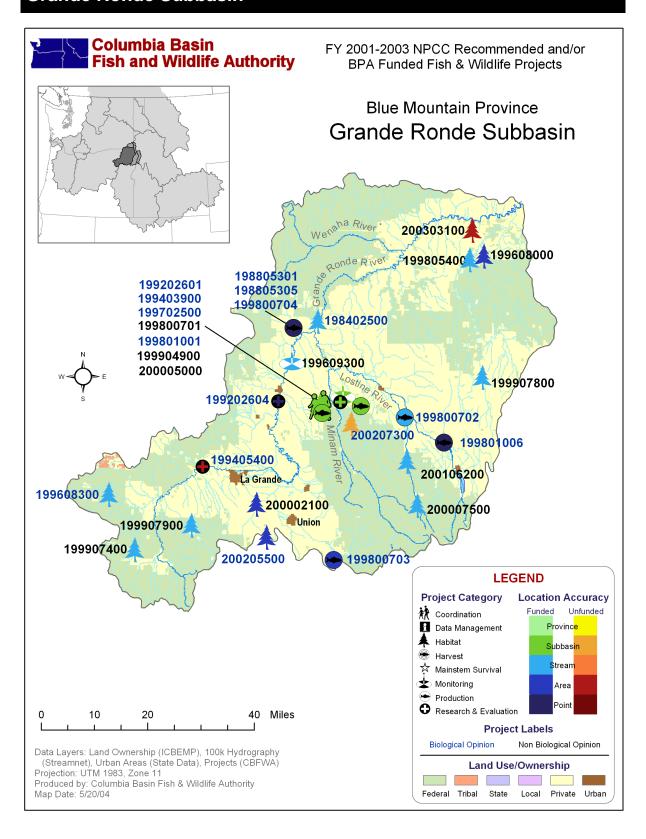
Asotin Subbasin



Projects in the Asotin Subbasin

Project ID			Pro	ojec	t Title			Rev	iew Cycle	BiOp?
199401805		tinued Coordinat ershed Projects	tion and	Imp	lementation of	Asotin Cree	k	Blue Mo	ountain	yes
Rec 00-0	93		\$235,0	00	\$271,000	\$280,214	T	ype	Category	Accuracy
Spent 01-0	93		\$187,7	96	\$253,566	\$261,260	Anad	romous	Habitat	stream
200205000	Asotin County Riparian Buffer and Couse and Tenmile Creeks Protection and Implementation Project Blue Mountain							yes		
Rec 00-0	03		\$	0	\$241,000	\$241,000	T	ype	Category	Accuracy
Spent 01-0	03		\$	0	\$ 0	\$194,268	Anad	romous	Habitat	stream
200205300	Asse	ess Salmonids in	the Asc	otin (Creek Watershe	d		Blue Mo	ountain	yes
Rec 00-0	03		\$	0	\$316,885	\$228,600	T	ype	Category	Accuracy
Spent 01-0	93		\$	0	\$ 0	\$18,493	Anad	romous	Monitoring	stream
200205400	Prot	ect and Restore t	he Asot	in C	reek Watershed			Blue Mo	ountain	yes
Rec 00-0	03		\$	0	\$121,000	\$124,600	T	ype	Category	Accuracy
Spent 01-0	93		\$	0	\$ 0	\$107,326	Anad	romous	Habitat	stream

Grande Ronde Subbasin



Projects in the Grande Ronde Subbasin

Project ID			Project	t Title		Rev	iew Cycle	BiOp?
198402500	Gra	nde Ronde Ba	sin Fish Habita	t Enhancemer	nt Project	Blue Mo	ountain	yes
Rec 00-0	03		\$272,649	\$349,386	\$361,265	Type	Category	Accuracy
Spent 01-0	03		\$285,715	\$155,650	\$464,389	Anadromous	Habitat	stream
198805301	Nor	theast Oregon	Hatchery Mast	er Plan		Blue Mo	ountain	yes
Rec 00-0	03		\$2,309,038	\$1,000,000	\$318,000	Type	Category	Accuracy
Spent 01-0	03		\$969,261	\$792,026	\$885,516	Anadromous	Production	point
198805305	Nor	theast Oregon	Hatcheries Plan	nning (ODFW	<i>'</i>)	Blue Mo	ountain	yes
Rec 00-0	03		\$400,477	\$79,376	\$82,075	Type	Category	Accuracy
Spent 01-0	03		\$39,337	\$26,450	\$24,214	Anadromous	Production	point
199202601	_		rande Ronde Mo Habitat Restorat		d Program Ac	l- Blue Mo	ountain	yes
Rec 00-0	03		\$930,000	\$961,620	\$1,299,000	Type	Category	Accuracy
Spent 01-0	03		\$877,567	\$899,242	\$1,250,124	Anadromous	Habitat	subbasin
199202604	Stee		listory of Spring Grande Ronde R as and Habitat				ountain	yes
Rec 00-0	03		\$725,423	\$888,087	\$918,282	Туре	Category	Accuracy
Spent 01-0	03		\$610,678	\$932,061	\$777,894	Anadromous	Research & Evaluation	point
199403900	Wat	tershed Restor	ration Planner			Blue Mo	ountain	yes
Rec 00-0	03		\$58,000	\$59,972	\$ 0	Type	Category	Accuracy
Spent 01-0	03		\$58,000	\$ 0	\$ 0	Anadromous	Coordination	subbasin
199405400		ols for Managi ve Brook Tro	ng Bull Trout P ut Invasions	opulations Int	luenced by N	on- Blue Mo	ountain	yes
Rec 00-0	03		\$387,182	\$402,611	\$388,764	Type	Category	Accuracy
Spent 01-0	03		\$ 0	\$ 0	\$ 0	Resident	Research & Evaluation	area
199608000	NE	Oregon Wildl	ife Mitigation P	Project "Pre	cious Lands"	Blue Mo	ountain	no
Rec 00-0	03		\$184,037	\$439,803	\$414,100	Type	Category	Accuracy
Spent 01-0	03		\$306,647	\$481,139	\$357,747	Wildlife	Habitat	area
199608300	CTU	UIR Grande R	onde Subbasin	Restoration		Blue Mo	ountain	yes
Rec 00-0	03		\$130,000	\$200,000	\$195,000	Type	Category	Accuracy
Spent 01-0	03		\$185,953	\$367,459	\$176,862	Anadromous	Habitat	stream

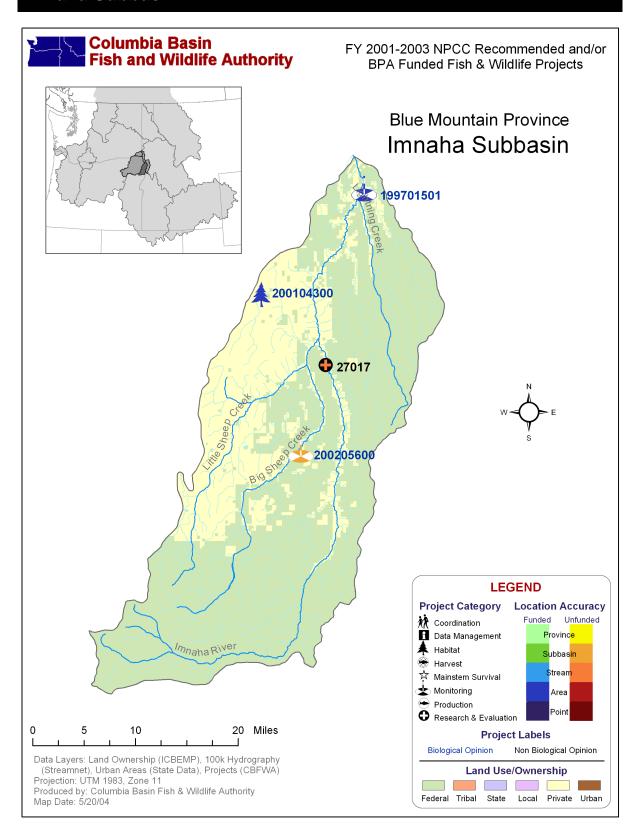
Projects in the Grande Ronde Subbasin, continued...

Project ID			Project	Title		Rev	iew Cycle	BiOp?
199609300	Gra	nde Ronde Val	ley Stream Gau	ge		FY 2001	l	no
Rec 00-	03		\$ 0	\$ 0	\$ 0	Type	Category	Accuracy
Spent 01-	03		\$ 4,080	\$ 0	\$ 0	Anadromous	Monitoring	stream
199702500		plement The Wa Recovery Plan	allowa County/I	Nez Perce T	ribe Salmon H	Blue Mo	ountain	yes
Rec 00-	03		\$20,000	\$20,680	\$ 0	Туре	Category	Accuracy
Spent 01-	03		\$- 6,445	\$46,227	\$ 7,875	Anadromous	Habitat	subbasin
199800701	Gra	nde Ronde Sup	plementation C	onstruction		FY 2001	l	no
Rec 00-	03		\$ 0	\$ 0	\$ 0	Type	Category	Accuracy
Spent 01-	03		\$487,570	\$405,795	\$102,357	Anadromous	Production	subbasin
199800702	Gra	nde Ronde Sup	plementation: I	Lostine Rive	r O&M and M	I&E Blue Mo	ountain	yes
Rec 00-	03		\$479,289	\$545,693	\$563,172	Type	Category	Accuracy
Spent 01-	03		\$568,495	\$406,381	\$541,518	Anadromous	Production	stream
199800703		•	Program M&E nd Summer Ste		Ronde Spring	Blue Mo	ountain	yes
Rec 00-	03		\$619,131	\$640,181	\$661,948	Type	Category	Accuracy
Spent 01-	03		\$507,429	\$343,132	\$752,113	Anadromous	Production	area
199800704	Nor	rtheast Oregon l	Hatcheries Impl	lementation	(ODFW)	Blue Mo	ountain	yes
Rec 00-	03		\$ 0	\$206,048	\$209,215	Type	Category	Accuracy
Spent 01-	03		\$124,858	\$ 0	\$134,002	Anadromous	Production	point
199801001	Gra grai		in Spring Chino	ook Captive	Broodstock Pr	Blue Mo	ountain	yes
Rec 00-	03		\$654,648	\$676,906	\$699,921	Type	Category	Accuracy
Spent 01-	03		\$553,624	\$898,028	\$666,753	Anadromous	Production	subbasin
199801006	Cap	otive Broodstoc	k Artificial Proj	pagation		Blue Mo	ountain	yes
Rec 00-	03		\$145,000	\$164,260	\$169,845	Type	Category	Accuracy
Spent 01-	03		\$147,341	\$96,671	\$162,264	Anadromous	Production	point
199805400	Jose	eph Creek Wate	ershed Improve	ment		FY 2001	I	no
Rec 00-	03		\$ 0	\$ 0	\$ 0	Туре	Category	Accuracy
Spent 01-	03		\$21,090	\$ 0	\$ 0	Anadromous	Habitat	stream
199904900	Gra	nde Ronde Gau	ige Monitoring			FY 2001	l	no
Rec 00-	03		\$ 0	\$ 0	\$ 0	Type	Category	Accuracy
Spent 01-	03		\$18,754	\$ 0	\$ 0	Anadromous	Monitoring	subbasin

Projects in the Grande Ronde Subbasin, continued...

Project ID			Project	Title				Revi	iew Cycle	BiOp?
199907400	Litt	tle Fly Meadow	Headcut Rehal	bilitation				FY 2001		no
Rec 00-	03		\$ 0	\$	0	\$	0	Type	Category	Accuracy
Spent 01-	03		\$19,773	\$	0	\$	0	Anadromous	Habitat	stream
199907800	Cro	ow Creek Star T	histle Containn	nent				FY 2001		no
Rec 00-	03		\$ 0	\$	0	\$	0	Type	Category	Accuracy
Spent 01-	03		\$ 309	\$	0	\$	0	Wildlife	Habitat	stream
199907900	Bea	aver Creek Fish	Passage					FY 2001		no
Rec 00-	03		\$ 0	\$	0	\$	0	Type	Category	Accuracy
Spent 01-	03		\$34,605	\$	0	\$	0	Anadromous	Habitat	stream
200002100		curing Wildlife ditions	Mitigation Sites	s - Oregor	ı, L	add Marsl	ı W	MA Blue Mo	ountain	no
Rec 00-	03		\$285,700	\$193,18	35	\$374,5	00	Type	Category	Accuracy
Spent 01-	03		\$ 4,601	\$221,31	0	\$136,8	94	Wildlife	Habitat	area
200005000	Rip	arian Recovery	: Plant Success					FY 2001		no
Rec 00-	03		\$ 0	\$	0	\$	0	Type	Category	Accuracy
Spent 01-	03		\$100,453	\$95,74	15	\$	0	Anadromous	Research & Evaluation	subbasin
200007500	Los	stine River Pass	age					FY 2001		no
Rec 00-	03		\$ 0	\$	0	\$	0	Type	Category	Accuracy
Spent 01-	03		\$78,910	\$	0	\$	0	Anadromous	Habitat	stream
200106200	Ace	quire Lostine R	iver Water Rigl	nts				FY01 A	ction Plan	no
Rec 00-	03		\$150,000	\$	0	\$	0	Type	Category	Accuracy
Spent 01-	03		\$ 0	\$ 1,68	38	\$	0	Anadromous	Habitat	stream
200205500	Ore	egon Plan Blue e	Mountain Provi	ince Fish	Scr	eening/Fis	h P	as- Blue Mo	ountain	yes
Rec 00-	03		\$ 0	\$153,31	14	\$	0	Type	Category	Accuracy
Spent 01-	03		\$ 0	\$	0	\$125,4	50	Anadromous	Habitat	area
200207300	Wa	llowa County C	Culvert Inventor	ry .				Blue Mo	ountain	yes
Rec 00-	03		\$ 0	\$170,60)3	\$176,4	04	Type	Category	Accuracy
Spent 01-	03		\$ 0	\$	0	\$	0	Anadromous	Habitat	subbasin
200303100	Pre	cious Lands W	ildlife Habitat E	Expansion				Blue Mo	ountain	no
Rec 00-	03		\$ 0	\$725,00	00	\$1,400,0	00	Type	Category	Accuracy
Spent 01-	03		\$ 0	\$	0	\$	0	Wildlife	Habitat	area

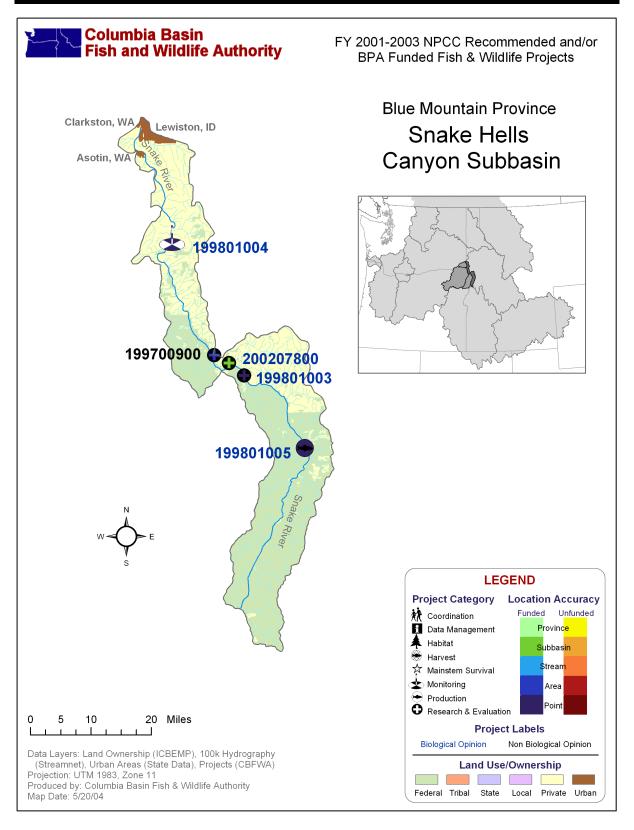
Imnaha Subbasin



Projects in the Imnaha Subbasin

Project ID		Project	Title		Rev	iew Cycle	BiOp?
27017		pulation Assessment ation with Habitat Q Planning		•		ountain	no
Rec 00-0	03	\$ 0	\$175,000	\$180,950	Type	Category	Accuracy
Spent 01-0		\$ 0	\$ 0	\$ 0	Resident	Research & Evaluation	stream
199701501	Imnaha Smolt fication	t Survival and Smolt	to Adult Ret	urn Rate Quar	Blue Mo	ountain	yes
Rec 00-0	03	\$190,057	\$241,570	\$254,590	Type	Category	Accuracy
Spent 01-0		\$173,079	\$186,086	\$241,797	Anadromous	Monitoring	area
200104300	Acquire 27,00	00 Camp Creek Rand	ch at Zumwal	lt Prairie	FY01 H	igh Priority	yes
Rec 00-0	03	\$2,000,000	\$ 0	\$ 0	Type	Category	Accuracy
Spent 01-0		\$ 0	\$ 0	\$1,963,356	Anadromous	Habitat	area
200205600	Adult Steelhe	ad Status Monitoring	g - Imnaha R	iver Subbasin	Blue Mo	ountain	yes
Rec 00-0	03	\$ 0	\$148,967	\$125,000	Type	Category	Accuracy
Spent 01-0		\$ 0	\$ 0	\$ 0	Anadromous	Monitoring	subbasin

Snake Hells Canyon Subbasin



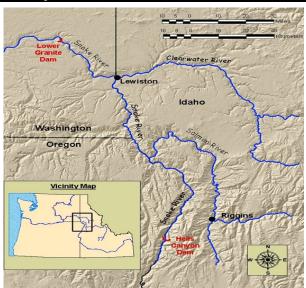
Projects in the Snake Hells Canyon Subbasin

Project ID			Project	Title		Rei	iew Cycle	BiOp?
199700900	Evaluate Potential Means of Rebuilding Sturgeon Populations in the Snake River Between Lower Granite and Hells Canyon Dams Blue Mountain							
Rec 00-	03		\$410,000	\$290,510	\$275,000	Type	Category	Accuracy
Spent 01-	03		\$390,258	\$402,658	\$153,169	Resident	Research & Evaluation	area
199801003	Spaw	ning distribu	tion of Snake R	iver fall chino	ook salmon	Blue M	ountain	yes
Rec 00-	03		\$191,422	\$174,162	\$130,900	Type	Category	Accuracy
Spent 01-	03		\$171,818	\$226,608	\$37,299	Anadromous	Research & Evaluation	point
199801004			nateYearling Sn Of Lower Granit		l Chinook Re	Blue M	ountain	yes
Rec 00-0	03		\$277,860	\$287,307	\$297,076	Type	Category	Accuracy
Spent 01-0	03		\$208,251	\$228,300	\$230,995	Anadromous	Monitoring	point
199801005			(199801005),C 01008) Fall Ch				ountain	yes
Rec 00-	03		\$660,000	\$682,440	\$705,643	Type	Category	Accuracy
Spent 01-0	03		\$283,704	\$617,771	\$849,510	Anadromous	Production	point
200207800		r Temperatur	ts of Hyporheic e in Snake Rive			awn- FY02 I	nnovative	yes
Rec 00-	03		\$ 0	\$196,299	\$ 0	Type	Category	Accuracy
Spent 01-0	03		\$ 0	\$ 0	\$189,933	Anadromous	Research & Evaluation	subbasin

199700900 – Evaluate Potential Means of Rebuilding Sturgeon Populations in the Snake River between Lower Granite and Hells Canyon Dams

2002 Project Objectives

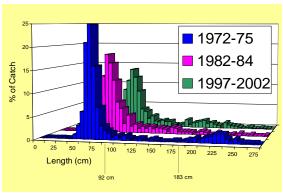
- Determine the status and characteristics of white sturgeon
- Determine habitat used for spawning and rearing



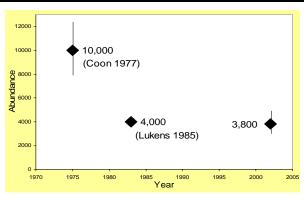
Collection and monitoring efforts occurred between Lower Granite and Hells Canyon dams.

Population Status and Characteristics - Preliminary Results

- Abundance level for white sturgeon estimated at 3,800, which is comparable to abundance levels over the last 20 years
- Significant decrease in abundance since the completion of the mainstem hydroelectric facilities



Percentage of catch by age-class for white sturgeon collected in Hells Canyon.



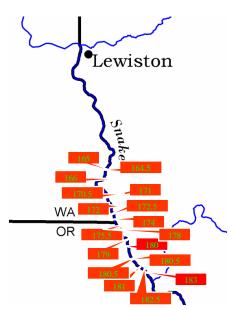
Comparison of abundance estimates for Hells Canyon white sturgeon.

- Shift in size-class distribution with fewer fish larger than 72 inches collected
- Lack of representatives between 36—72 inches
- Loss of fish between 36-72 inches represents a loss of sexually mature fish

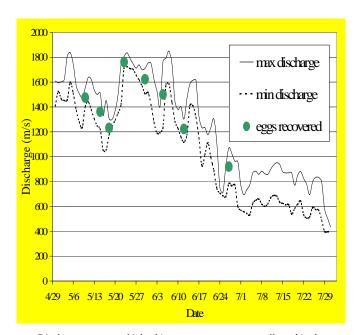
Spawning - Preliminary Results

- Number of locations where eggs were recovered
 - Snake River (N = 17)
 - Salmon River (N = 3)
- Number of eggs recovered from each river
 - Snake River (N = 49)
 - Salmon River (N = 7)
- Eggs were recovered during the descending hydrograph (May—July)
- Eggs were recovered only in the upper reach of the river





Locations where white sturgeon spawned in the Snake and Salmon rivers.



Discharge rates at which white sturgeon eggs were collected in the Snake River between Lower Granite and Hells Canyon dams.