

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	PROJECT NAME	PROJECT NO.	SPONSOR	STATE	PROJ. SUBBASIN	ACREAGE	HUS	PERMANANCE	SPECIES	MGMT PLAN	O&M	MITIGATED DAM	LEDGER
3	CATEGORY A--FISH HABITAT PROJECTS WITH WILDLIFE PROJECT ASSOCIATIONS												
4	YAKAMA NATION RIPARIAN/WETLANDS RESTORATION	1992-062-00	YAKAMA NATION	WA	YAKIMA	5,000	Note 1	YES	Waterfowl, eagle, raptor	YES	BPA	Lower 4	C&I
5	PINE CREEK (WAGNER CONSERVATION AREA)	1998-022-00	CTWSRO	OR	JOHN DAY	9,000	Note 1	YES	Bighorn Sheep	YES	BPA	Lower 4	C&I
6	RAINWATER WILDLIFE AREA (Part II)	2000-026-00	CTUIR	WA	WALLA WALLA	2,340	Note 1	YES	Elk, cougar, hawk, eagle	YES	BPA	Lower 4	C&I
7	FORREST CONSERVATION AREA	2001-041-01	CTWSRO	OR	JOHN DAY	4,232	Note 1	YES	Yellow warbler, mule deer, e	YES	BPA	Lower 4	C&I
8	OXBOW CONSERVATION AREA	2000-015-00	CTWSRO	OR	JOHN DAY	1,022	Note 1	YES	Columbia spotted frog, white	YES	BPA	Lower 4	C&I
9					SUB-TOTAL	21,594							
10													
11	CATEGORY B--FISH PROJECTS WITH WILDLIFE VALUE												
12	BUSTERBACK RANCH/ALTURAS LAKE CREEK (F&W)	Acq'd 4/1/1992	USDA FOREST SERVICE	ID	SALMON	2,201		YES	Mountain goat, northern flyin	Forest Plan	USDAFS	Note 2	Negotiable
13	ELK CREEK CATTLE & HORSE ALLOTMENT	20032	SBT & IDFG (USDA FOREST SERVICE)	ID	SALMON	121,000		YES	Lynx	Forest Plan	USDAFS	Negotiable	Negotiable
14	JOHNSON CREEK PROJECT		USDA FOREST SERVICE	ID									
15	BURGDORF MEADOWS	1998-023-00	IDFG & NEZ PERCE TRIBE	ID	SALMON	94		YES	Moose	CE	No (CE)	Negotiable	Negotiable
16	ZUMWALT PRAIRIE PRESERVE (CAMP CREEK RANCH)	2001-043-00	NATURE CONSERVANCY	OR	IMNAHA	27,000		YES	Hawks	Plan & CE	TNC	Snake/negotiable	Negotiable
17	YAKIMA SIDE CHANNELS (UPPER YAKIMA)	1995-051-00	YAKAMA NATION	WA	YAKIMA	544		YES	Mallard, yellow warbler	Yes	BPA	Lower 4	C&I
18	YAKIMA SIDE CHANNELS (LOWER NACHES)	1995-051-00	YAKAMA NATION	WA	YAKIMA	376		YES	Mallard, yellow warbler	Yes	BPA	Lower 4	C&I
19	UPPER YAKIMA (CLE ELUM) HATCHERY	1988-115-00	YAKAMA NATION	WA	YAKIMA	353		YES	Mallard, yellow warbler	In Devel.	BPA	Lower 4	C&I
20	COLVILLE FISH HABITAT PROJECTS	2008-104-00	COLVILLE TRIBES	WA	OKONOGAN	176	Note 1	YES	Bobcat, mink, mule deer	In Development	Pending Review	Coulee/Chief Joseph	Negotiable
21	SANDY RIVER DELTA	1999-025-00	USDA FOREST SERVICE	OR	SANDY	1,400		YES	Bald eagle, yellow warbler	Yes	USDAFS (and BPA)	Lower Columbia	Negotiable
22	OAK FLATS (NACHES RIVER)	2007-194-00	WDFW	WA	YAKIMA	289		YES	Bald eagle, bighorn sheep, b	In Development	WDFW	Upper/Lower Columbia	Negotiable
23	RED RIVER WILDLIFE AREA (LITTLE PONDEROSA)	1993-035-01	IDFG	ID	CLEARWATER	1,300	Note 1	YES	Elk, migratory birds	Yes		Negotiable	Negotiable
24	HANCOCK SPRINGS	2002-013-01	NFWF, METHOW CONSERVANCY	WA	METHOW	122	Note 3	YES	Bald eagle, mule deer	CE	Fee holder		
25	MID-METHOW / LEHMAN	2002-013-01	NFWF, METHOW CONSERVANCY	WA	METHOW	93	Note 3	YES	Bald eagle, mule deer, blue	CE	Fee holder		
26	HEATH	2002-013-01	NFWF, METHOW CONSERVANCY	WA	METHOW	140	Note 3	YES	Bald eagle, blue/white-tailed	CE	Fee holder		
27	COTTONWOOD FARMS / WITTE PLACE	2002-013-01	NFWF, METHOW CONSERVANCY	WA	METHOW	54	Note 3	YES	Bald eagle, mule deer	CE	Fee holder		
28					SUB-TOTAL	155,142							
29	WILLOW GROVE	2003-011-00	COLUMBIA LAND TR	WA	COLUMBIA ESTUARY	312	Note 1	YES	Waterfowl	Yes - In Dev	Fee holder	Lower Columbia	Negotiable
30	ELOCHOMAN RIVER	2003-011-00	COLUMBIA LAND TR	WA	COLUMBIA ESTUARY	183	Note 1		Deer, eagle, blue heron	Yes - In Dev	Fee holder	Lower Columbia	Negotiable
31	CROOKED CREEK (F&W)	2003-011-00	COLUMBIA LAND TR	WA	COLUMBIA ESTUARY	60	Note 1	YES	Deer, eagle, blue heron		Fee holder	Lower Columbia	Negotiable
32	CRAZY JOHNSON CREEK	2003-011-00	COLUMBIA LAND TR	WA	GRAYS	305	Note 1	YES	Deer, eagle, blue heron	Forest Plan	Fee holder	Lower Columbia	Negotiable
33	WALKER ISLAND	2003-011-00	COLUMBIA LAND TR	OR	COLUMBIA ESTUARY	100	Note 1	50-yr Lease	White-tailed deer	Yes - In Dev	Fee holder	Willamette	Negotiable
34	CRIMS ISLAND	2003-011-00	COLUMBIA LAND TR	OR	COLUMBIA ESTUARY	451	Note 1	YES	White-tailed deer	Draft	USFWS	Willamette	Negotiable
35	GERMANY CREEK	2003-011-00	COLUMBIA LAND TR	WA	COLUMBIA ESTUARY	155	Note 1	YES	Deer, eagle, blue heron	Yes - In Dev	Fee holder	Lower Columbia	Negotiable
36	WOLF BAY WILDLIFE PROJECT	2003-011-00	COLUMBIA LAND TR	OR	WILLAMETTE	77	Note 1	YES	Deer, eagle, blue heron	Yes - In Dev	Fee holder	Willamette	Negotiable
37					SUB-TOTAL	1643							
38					TOTAL	178,379							
39													
40		Note 1	BPA credit acknowledged in principle by resource manager or project proponent.										
41		Note 2	Given setting and species present, parties need to negotiate what dam and what ledger to credit against.										
42		Note 3	BPA and Council staffs are looking into whether there is a commitment to not credit water transaction projects for wildlife value.										
43													

**Cell: F4**

**Comment:** Gary Becker:  
Acreage updated per information provided by YN.

**Cell: H4**

**Comment:** Gary Becker:  
Various parcels protected via fee title, easements, or long-term lease

**Cell: I4**

**Comment:** Gary Becker:  
2006 and 2008 annual reports, 2009 proposal and respnse. Wetland and riparian species.

**Cell: J4**

**Comment:** Gary Becker:  
Available on Pisces

**Cell: K4**

**Comment:** Gary Becker:  
BPA Funding Commitment per MOA

**Cell: B5**

**Comment:** Gary Becker:  
Wagner CA acquired by project 2001-04-000

**Cell: F5**

**Comment:** Gary Becker:  
9253 acres comprise Wagner acquisition

**Cell: H5**

**Comment:** Gary Becker:  
Pine Creek CA and Wagner CA acquired in fee

**Cell: I5**

**Comment:** Gary Becker:  
Targets per Wagner proposal:  
Bighorn sheep (John Day Sub. focal species)  
Mule Deer (John Day Sub. managed game and HEP species)  
Rocky Mountain Elk (John Day Sub. critical functional link and manged game)

**Cell: J5**

**Comment:** Gary Becker:  
Pine Creek CA Wildlife Habitat and Watershed Management Plan, by CTWSRO, BPA-approved 9/15/2004

**Cell: K5**

**Comment:** Gary Becker:  
BPA funding commitment per BPA/Tribe MOA

**Cell:** L5

**Comment:** Gary Becker:  
Proposal: "to compensate for inundation by JD dam"

**Cell:** I6

**Comment:** Gary Becker:  
2008 Annual Report:  
9 SB Focal species  
"The Walla Walla Subbasin is inhabited by 10 amphibian species, 207 avian species, 69 mammalian species, and 15 reptile species. The wildlife area is probably best known for its quality big game hunting. Located entirely within the WDFW Dayton Big Game Management Unit (#162), the area supports large populations of elk and deer. Other game animals include black bear, cougar, blue and ruffed grouse, wild turkey, and California quail. The area also provides habitat for a wide variety of forest dwelling birds such as woodpeckers, owls, insectivorous birds, accipiters and other hawks, and eagles."

**Cell:** J6

**Comment:** Gary Becker:  
On Pisces

**Cell:** F7

**Comment:** Gary Becker:  
4232 acres acquired

**Cell:** H7

**Comment:** Gary Becker:  
Acquired in fee, 2002

**Cell:** I7

**Comment:** Gary Becker:  
Focal Species:  
Black-capped chickadee (John Day Sub. HEP)  
Mallard (John Day Sub. Managed game and HEP)  
Mink (John Day Sub. managed game, critical functional link, and HEP)  
Western meadowlark (John Day Sub. HEP)  
Yellow warbler (John Day Sub. HEP, focal)  
Mule deer (John Day Sub. managed game and HEP)  
California Quail (John Day Sub. Managed game and HEP)

**Cell:** J7

**Comment:** Gary Becker:

Oxbow and Forrest Conservation Areas Property and Habitat Management Plan, dated 3/1/2010

**Cell:** K7

**Comment:** Gary Becker:  
BPA funding commitment per BPA/Tribe MOA

**Cell:** L7

**Comment:** Gary Becker:  
To compensate for inundation by JD dam

**Cell:** F8

**Comment:** Gary Becker:  
1022 acres acquired

**Cell:** H8

**Comment:** Gary Becker:  
Purchased in fee, 2001

**Cell:** I8

**Comment:** Gary Becker:  
Focal Species:  
Columbia spotted frog (federal candidate species, John Day Sub. focal)  
White-tailed deer (John Day Sub. managed game)  
Black-capped chickadee (John Day Sub. HEP)  
Mallard (John Day Sub. Managed game and HEP)  
Mink (John Day Sub. managed game, critical functional link, and HEP)  
Western meadowlark (John Day Sub. HEP)  
Yellow warbler (John Day Sub. HEP, focal)

**Cell:** J8

**Comment:** Gary Becker:  
Oxbow and Forrest Conservation Areas Property and Habitat Management Plan, dated 3/1/2010

**Cell:** K8

**Comment:** Gary Becker:  
BPA funding commitment per BPA/Tribe MOA

**Cell:** L8

**Comment:** Gary Becker:  
To compensate for inundation by JD dam

**Cell:** H12

**Comment:** Gary Becker:  
Acquired in fee, transferred to FS with CE

**Cell: J12**

**Comment:** Gary Becker:  
Sawtooth National Forest Management Plan, 2003

**Cell: A13**

**Comment:** Gary Becker:  
Elk Creek Grazing Allotment, acquired 2000. Bear Valley Allotment (abutting) acquired in 2001.

**Cell: B13**

**Comment:** Gary Becker:  
Elk Creek Allotment: FY2000 Proposal 20032, "Protect Bear Valley Wild Salmon, Steelhead, Bull Trout Spawning Habitat."  
Bear Valley & Deer Creek Allotments: 2000-005-00 (not completed) and 2001-035-00, "Protect Bear Valley Wild Salmon, Steelhead, Bull Trout Spawning and Rearing Habitat"

**Cell: F13**

**Comment:** Gary Becker:  
Elk Creek closed 48,000 acre grazing allotment; Bear Valley and Deer Creek allotments are abutting, closed 73,000 acres (121,000 total)

**Cell: H13**

**Comment:** Gary Becker:  
USDAFS permanently closed grazing following purchase of existing rights; land part of national forest system

**Cell: I13**

**Comment:** Gary Becker:  
Supports populations of "lynx, wolf, furbearers, and nongame riparian dependent species"  
Lynx: ESA threatened, Salmon Sub. Focal  
Gray wolf: ESA endangered

**Cell: J13**

**Comment:** Gary Becker:  
2003 Boise National Forest Plan amended to eliminate grazing areas; land designated as "Passive Restoration" and managed in accordance with Forest Plan going forward  
<http://www.fs.fed.us/r4/sawtooth/arevision/boiseplan.htm>

**Cell: A14**

**Comment:** Gary Becker:  
To date, I have only located the salmon hatchery/monitoring project: 1996-043-00, "Johnson Creek Artificial Propagation Enhancement Project." Still awaiting more information on a project with wildlife value.

**Cell: A15**

**Comment:** Gary Becker:  
Subcommittee suggested to remove project from list.

**Cell: B15**

**Comment:** Gary Becker:  
Not in Pisces/CBFWA; found reference in other documents (project 2002-058-00; NPCC budget table)

**Cell: H15**

**Comment:** Gary Becker:

Perpetual conservation easement to protect the property in its current state and prevent development. Grantor may graze 6 head of stock in movable fenced enclosures, maintain an emergency primitive airstrip, and use the property for recreation. The easement prohibits the usual activities.

**Cell: H16**

**Comment:** Gary Becker:

Owned by TNC, perpetual CE held by BPA

**Cell: I16**

**Comment:** Gary Becker:

Per proposal:  
Columbian sharp-tailed grouse (extirpated and reestablished);  
Ferruginous Hawks (ODFW Critical species);  
Swainson's Hawks (ODFW vulnerable species);  
Elk (managed game, Imnaha focal);  
Mule deer (Imnaha focal)

**Cell: J16**

**Comment:** Gary Becker:

There is a management plan, and a subplan specifically for experimental grazing. Generally, the easement prohibits any activity inconsistent with the purpose, which is to protect the ecological condition and natural function of the site's aquatic and terrestrial habitats and the species it supports.

**Cell: M16**

**Comment:** Gary Becker:

BPA receives 2/11 share of credit

**Cell: F17**

**Comment:** Gary Becker:

544 includes all acquisitions in the "Easton/Cle Elum Reach (Kittitas County)" except the Upper County Community Church (6 acres).

**Cell: H17**

**Comment:** Gary Becker:

Not clear if property is protected by fee simple acquisition or CE.

**Cell: I17**

**Comment:** Gary Becker:

Narrative: "Over 80% of the bioregion's terrestrial wildlife will also benefit from this habitat protection effort."  
FY1999 proposal: "Further, the project will protect and restore terrestrial wildlife species through riparian habitat fencing, and purchase of conservation easements and property."

**Cell: J17**

**Comment:** Gary Becker:

FY2007 proposal narrative: "The YSC project is managed under the auspices of the Yakima-Klickitat Fisheries Program (YFFP), which is the largest and most complex fisheries management project in the Yakima Subbasin in terms of data collection and management, physical facilities, habitat protection, restoration and management, and experimental design and research on the basin's fisheries resources (Yakima Subbasin Plan Supplement, p 36)"

**Cell:** K17

**Comment:** Gary Becker:  
O&M by BPA through project 1988-120-25

**Cell:** F18

**Comment:** Gary Becker:  
376 includes all acquisitions in "Lowr Naches Reach" and "Union Gap Reach" in 2007 proposal narrative. 61 of the acres in Lower Naches were not funded by BPA, though.

**Cell:** H18

**Comment:** Gary Becker:  
Not clear if property is protected by fee simple acquisition or CE.

**Cell:** I18

**Comment:** Gary Becker:  
Narrative: "Over 80% of the bioregion's terrestrial wildlife will also benefit from this habitat protection effort."  
FY1999 proposal: "Further, the project will protect and restore terrestrial wildlife species through riparian habitat fencing, and purchase of conservation easements and property."

**Cell:** J18

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**Cell:** K18

**Comment:** Gary Becker:  
O&M by BPA through project 1988-120-25

**Cell:** A19

**Comment:** Gary Becker:  
Can't find any information on wildlife aspects; development appears to be on only 15 out of 500 acres owned by BPA

**Cell:** K19

**Comment:** Gary Becker:  
Hatchery O&M via project 1997-013-25

**Cell:** G20

**Comment:** Gary Becker:  
"The Tribe agrees that BPA may credit the habitat units identified at a one-to-one basis against wildlife losses associated with Grand Coulee or Chief Joseph Dams." 2008 Fish Habitat MOA.

**Cell:** H20

**Comment:** Gary Becker:  
Tribe title, BPA CE

**Cell:** K20

**Comment:** Gary Becker:

Tribe obligated to maintain, BPA funding optional

**Cell:** H21

**Comment:** Gary Becker:  
FS owns in fee

**Cell:** J21

**Comment:** Gary Becker:  
USFS prepared a management plan, on file with BPA. It directs trail construction and recreational use away from the most sensitive areas.

**Cell:** F22

**Comment:** Gary Becker:  
Total property is 357 acres, proposal says acquire 300

**Cell:** J23

**Comment:** Gary Becker:  
IDFG Red River Wildlife Management Area Plan

**Cell:** K23

**Comment:** Gary Becker:  
Proposal not funded by BPA for FY07-FY09

**Cell:** H24

**Comment:** Gary Becker:  
Perpetual CE

**Cell:** J24

**Comment:** Gary Becker:  
Perpetual CE with Methow Conservancy, requires the riparian areas to remain in natural state and protects remaining habitat types by prohibiting development beyond small residential envelopes and restricting forest and agricultural practices.  
Provision for effort to develop stewardship plan.

**Cell:** J25

**Comment:** Gary Becker:  
Perpetual CE with Methow Conservancy, requires the riparian areas to remain in natural state and protects remaining habitat types by prohibiting development beyond small residential envelopes and restricting forest and agricultural practices.  
Provision for effort to develop stewardship plan.

**Cell:** J26

**Comment:** Gary Becker:  
Perpetual CE with Methow Conservancy, requires the riparian areas to remain in natural state and protects remaining habitat types by prohibiting development beyond small residential envelopes and restricting forest and agricultural practices.  
Provision for effort to develop stewardship plan.



**Cell:** J27

**Comment:** Gary Becker:

Perpetual CE with Methow Conservancy, requires the riparian areas to remain in natural state and protects remaining habitat types by prohibiting development beyond small residential envelopes and restricting forest and agricultural practices.

Provision for effort to develop stewardship plan.

**Cell:** H29

**Comment:** Gary Becker:

BPA holds CE prohibiting the usual: residential or commercial use, soil or trash deposition; excavation or dredging; topogirphical alterations; grazing, logging, or other uses that BPA determines has a material negative impact on fish or fish and wildlife habitat.

**Cell:** H30

**Comment:** Gary Becker:

BPA holds CE prohibiting the usual: residential or commercial use, soil or trash deposition; excavation or dredging; topogirphical alterations; grazing, logging, or other uses that BPA determines has a material negative impact on fish or fish and wildlife habitat.

**Cell:** H31

**Comment:** Gary Becker:

BPA holds CE prohibiting the usual: residential or commercial use, soil or trash deposition; excavation or dredging; topogirphical alterations; grazing, logging, or other uses that BPA determines has a material negative impact on fish or fish and wildlife habitat.

**Cell:** H32

**Comment:** Gary Becker:

BPA holds CE prohibiting the usual: residential or commercial use, soil or trash deposition; excavation or dredging; topogirphical alterations; grazing, logging, or other uses that BPA determines has a material negative impact on fish or fish and wildlife habitat.

**Cell:** J32

**Comment:** Gary Becker:

Aquatic plan in development

**Cell:** B33

**Comment:** Gary Becker:

Acquired by 2003-008-00

**Cell:** H33

**Comment:** Gary Becker:

A conservation lease allowing habitat enhancement on owner's property, which Columbia Land Trust has leveraged with funds from other entities.

**Cell:** B34

**Comment:** Gary Becker:

Acquired by 2003-008-00

**Cell:** H34

**Comment:** Gary Becker:

The USFWS now owns the property and it's part of the Julia Hansen Butler Columbian White-tailed Deer National Wildlife Refuge.

BPA holds CE prohibiting the usual: residential or commercial use, soil or trash deposition; excavation or dredging; topogirphical alterations; grazing, logging, or other uses that BPA determines has a material negative impact on fish or fish and wildlife habitat.

**Cell:** J34

**Comment:** Gary Becker:

USFWS published draft refuge management plan and EIS on 2/10/2010.

**Cell:** H35

**Comment:** Gary Becker:

BPA holds CE prohibiting the usual: residential or commercial use, soil or trash deposition; excavation or dredging; topogirphical alterations; grazing, logging, or other uses that BPA determines has a material negative impact on fish or fish and wildlife habitat.

**Cell:** H36

**Comment:** Gary Becker:

Columbia Land Trust owns in fee and adjacent to the Twilight Eagle Sanctuary and serveral other properties held for conservation.

BPA holds CE prohibiting the usual: residential or commercial use, soil or trash deposition; excavation or dredging; topogirphical alterations; grazing, logging, or other uses that BPA determines has a material negative impact on fish or fish and wildlife habitat.