

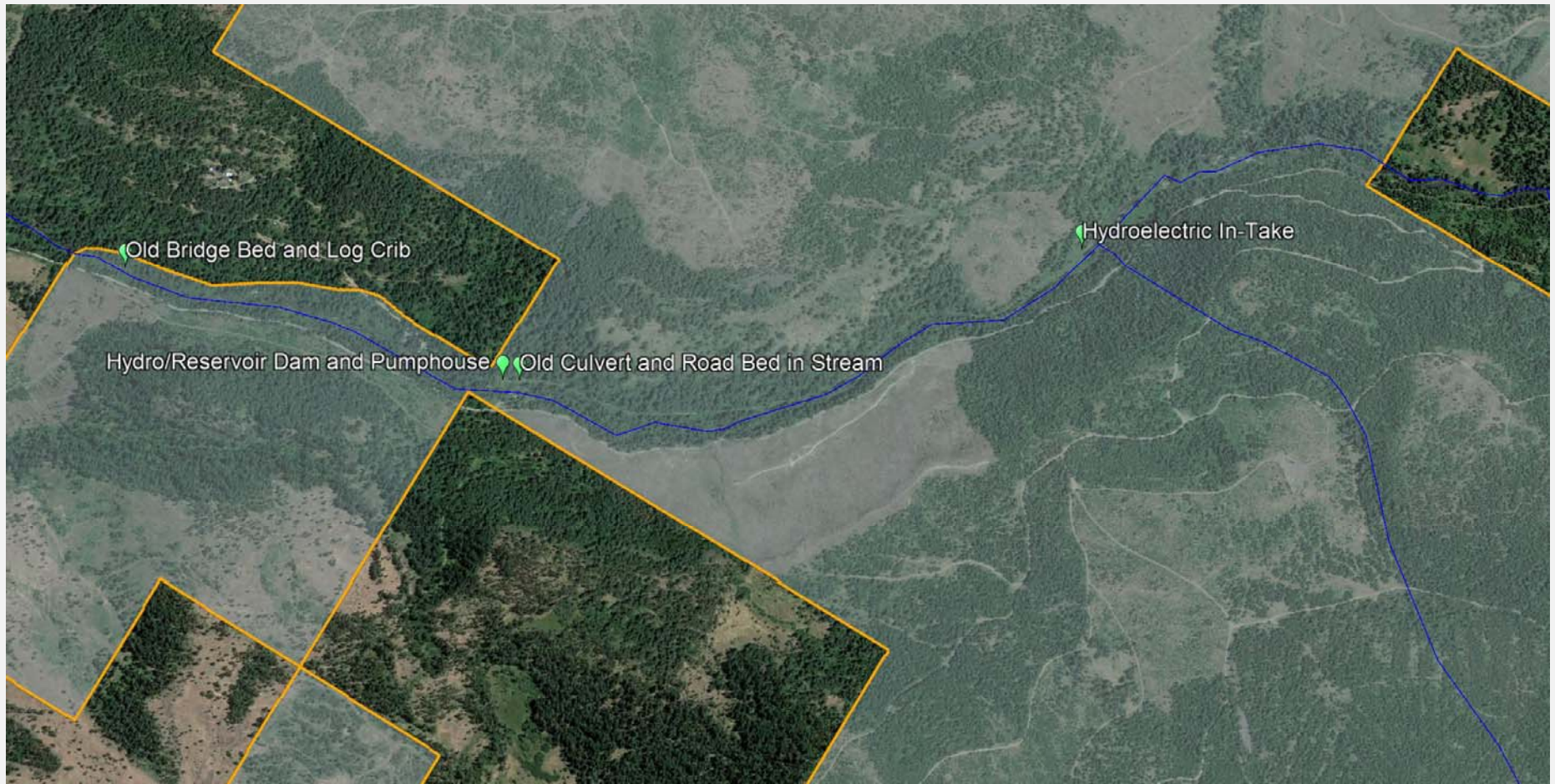
FALL 2019 PROJECT PROPOSALS

GRANDE RONDE MODEL WATERSHED FY20 PROJECT BUDGET

October 2019 Project Solicitation (FY2020)

Project Name	Sponsor	Contact	BSR	BSR Tier	H,M,L +-		OWEB FIP Request	OWEB Open Solicitation	BPA Request	Total GRMW Request	Cost Share	Total	
					Rating	Rank							
Lower Fly Creek Restoration Project	USFS	Joe Platz	UGR16	1	H	1	\$0	\$0	\$325,394	\$325,394	\$220,167	\$545,561	
Catherine Creek River Mile 38 Stream Restoration Design	USWCD	Jim Webster	CC3A	1	H	2	\$58,239	\$0	\$0	\$58,239	\$17,534	\$75,773	
Indian Creek Connectivity Project Design	TU	Levi Old	UGR6	3	H	3	\$0	\$0	\$68,892	\$68,892	\$4,267	\$73,159	
Lower Limber Jim Restoration Project	USFS	Joe Platz	UGR18	2	H	4	\$0	\$0	\$103,136	\$103,136	\$41,692	\$144,828	
Chicken Creek Small Streams Restoration Project	USFS	Joe Platz	UGR19	1	M	5	\$0	\$0	\$65,252	\$65,252	\$128,272	\$193,524	
Total							\$58,239	\$0	\$562,674	\$620,913	\$411,932	\$1,032,845	
GRMW Project Budget			FY20 Fall Project GRMW/BPA Request										
FY20 BPA Expense Commitment*		\$4,121,315	Union County										\$562,674
FY20 BPA Existing Contracts*		\$825,010	Wallowa County										\$0
FY20 Balance		\$3,296,305											
*Estimated values that may change													

INDIAN CREEK CONNECTIVITY OVERVIEW MAP





Action:
Remove 3 partial
barriers and intake
structure



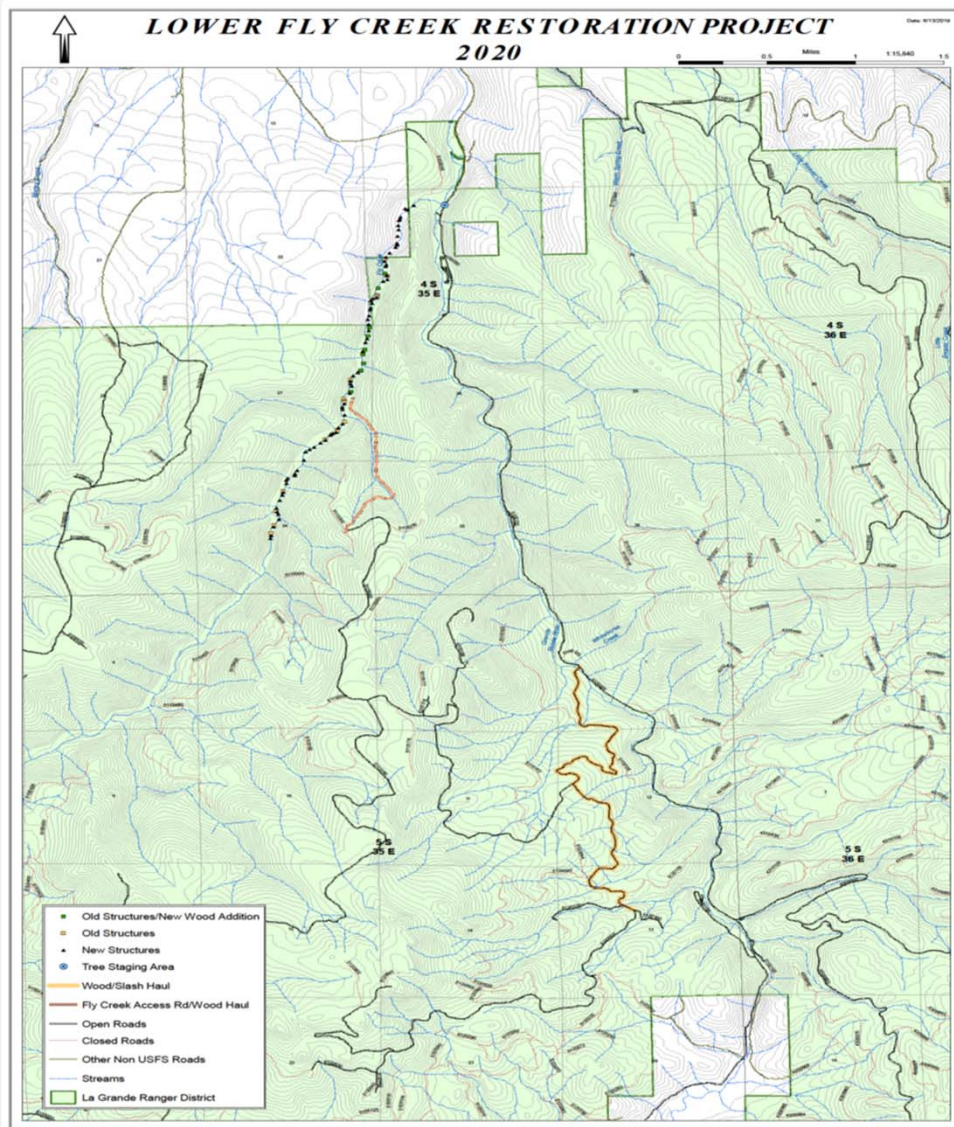
BUDGET

○ Construction Ready Designs	\$50,000
○ Survey (Profile and Cross sections)	\$8,000
○ Travel	\$578
○ Salary	\$410
○ Indirect	\$9,374
Total	\$68,362



LOWER FLY CREEK RESTORATION PROJECT





Project length: 3.5 mi

Existing conditions:

- (1) Splash dam logging simplified channel
- (2) Sill logs added in late 1980s/early 1990s
- (3) Large wood, streambottom road recontouring and planting in 2009.
- (4) .75 mile of private land

LOWER FLY CREEK

- 2020 Construction (Future phases)
- Within UGR 15 - Tier I Node
- Equipment accessible
- Trees and racking material onsite
- **Objectives:**
 - Engage floodplain
 - Habitat complexity
 - Activate side channels
 - Pool quality/quantity



ACTIONS ON LOWER FLY CREEK (3.5 MILES)

- Target low gradient, floodplain inundation, & side channel activation areas
- 80: Type A debris jams sites: Full channel jam construction
- 7: Type C habitat structures
- 150 whole trees
- 200 pieces of Floodplain wood
- 2 - 2.5: 10 yard loads of racking material per site
- Boulders placed for ballast, where available.
- Would like to dig 2-3 key wood pieces & pin 3-5 pieces per site.
- Total of 1550 large wood pieces (950 trees), and 2,140 yards of racking mat.
- Seeding and planting
- **An additional 500 large wood pieces would be flown into Lower Fly during Middle Fly and MUGRII.



LOWER FLY CREEK PROJECT BUDGET

Budget

- Log loader: \$42,000
- Excavators: \$74,250
- Salary: \$25,813
- Tree removal \$151,250
- Materials \$2,500
- Overhead (10%) \$29,581

Total \$325,394



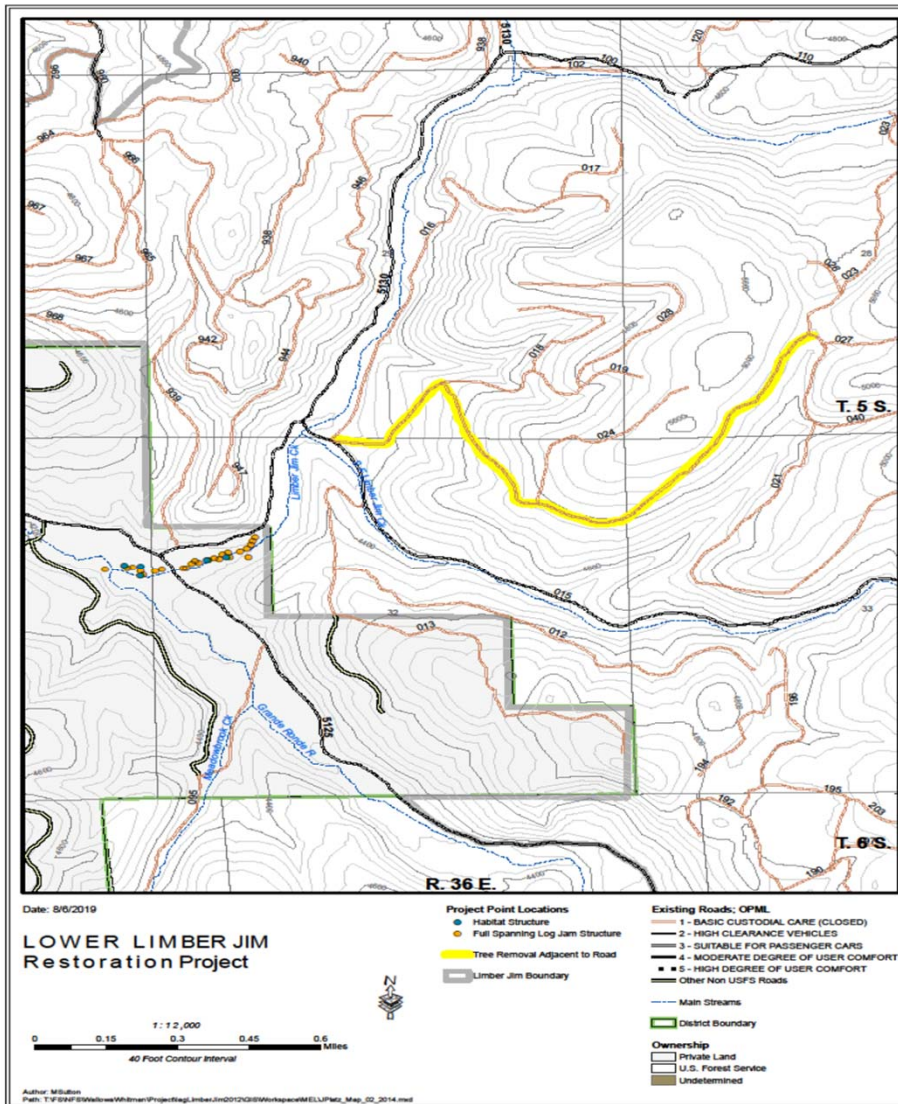
LOWER LIMBER JIM RESTORATION PROJECT



Project length: .6 mi.

Existing conditions:

- (1) Private land (Schiller)
- (2) Actively grazed by livestock.
- (3) Affected by roading, timber harvest, livestock/wild ungulate grazing, and beaver trapping.



LOWER LIMBER JIM CREEK

- 2020 Construction
- Within UGR 18 Tier II
- Equipment accessible
- Trees and racking from closed road and onsite
- **Objectives:**
 - Engage floodplain
 - Habitat complexity
 - Activate side channels
 - Pool quality/quantity



ACTIONS ON LOWER LIMBER JIM CREEK (.6 MILES)

- Target floodplain inundation & side channel activation
- 6: Type I debris jams sites: Full channel jam construction
- 24: Type II habitat structures
- 73 whole trees
- 100 pieces of Floodplain wood
- 2 - 4: 10 yard loads of racking material per site.
- Seeding and mulching



LOWER LIMBER JIM CREEK PROJECT BUDGET

Budget

• Log loader:	\$14,700
• Excavator:	\$16,500
• Salary:	\$ 7,560
• Tree removal	\$45,000
• Tree Purchase	\$10,000
• Overhead (10%)	\$ 9,376
Total	\$103,136

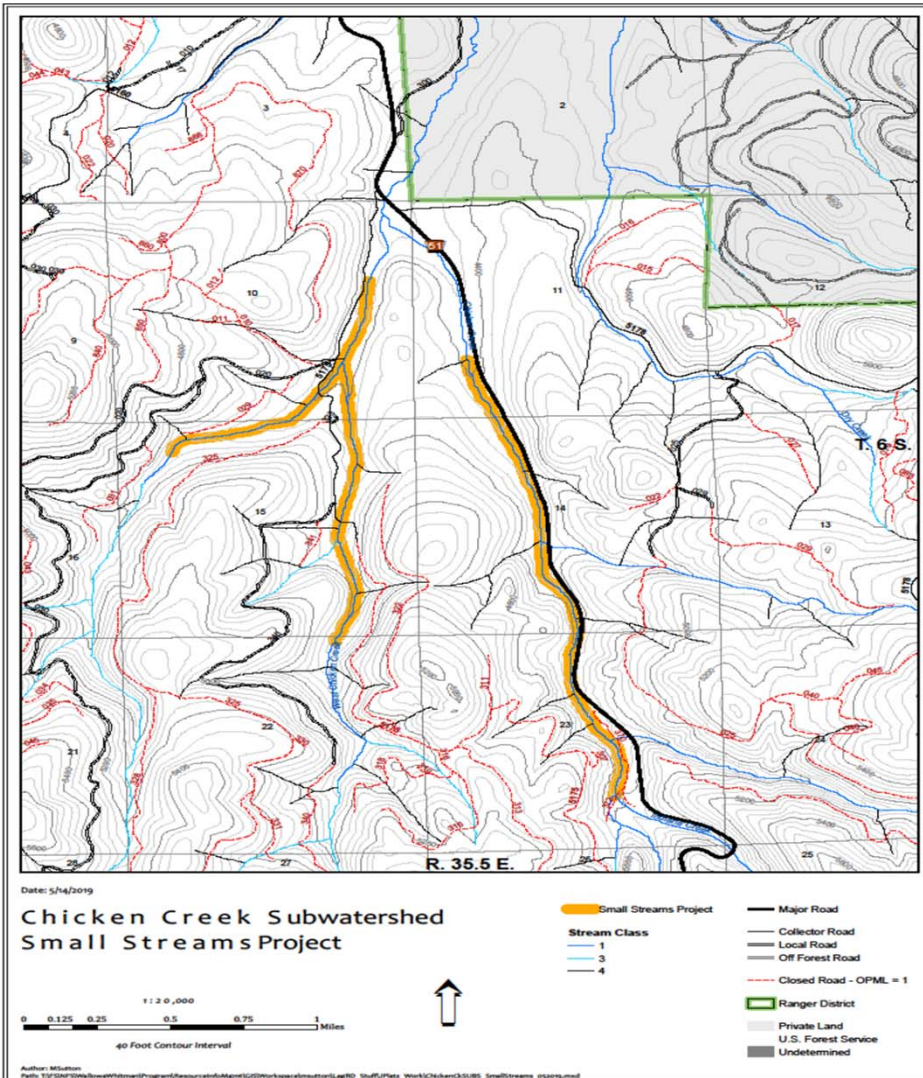


Headwaters Small Streams – Chicken Creek

Project length: 4.0 mi.

Existing Conditions:

- (1) Upstream from previous restoration project completed in 2018, funded by GRMW
- (2) Chicken and West Chicken Creeks are in a riparian pasture that will not be grazed for 4 more years.
- (3) North Fork West Chicken Creek is partially within an active grazing allotment.
- (4) Historic beaver trapping, timber harvest, grazing, and roading has impacted the stream.



DESIGN ON CHICKEN CREEK SMALL STREAMS (4.0 MILES)

- Target low gradient, floodplain inundation, & side channel activation areas.
- 2.5 miles of upper Chicken Creek, 1.5 miles of West Fork Chicken Creek and .5 mile of North Fork West Chicken Creek.
- All of the wood for these streams would be obtained within 200 feet on each side of the streams.
- Small debris jams will be placed in the creek and will average 30 - 40 debris jams per mile.
- Each debris jam will consist of 5 logs (9" – 12" in diameter and 20' long) and racking material.
- One to two logs will have the rootwads attached per structure on Chicken/West Chicken Creeks.
- An additional 50 whole trees (10" – 12" in diameter) will be spaced in between sites per mile.
- An average of 250 trees (9" – 12" in diameter) will be placed per mile.
- Seeding will occur where disturbance occurs.



CHICKEN CREEK SMALL STREAMS PROJECT BUDGET

Budget

• Excavators:	\$55,000
• Salary:	\$ 4,320
• Overhead (10%)	\$ 5,932
Total	\$65,252

CATHERINE CREEK RIVER MILE 38 RESTORATION DESIGN



CATHERINE CREEK RIVER MILE 38 EXISTING CONDITIONS

- Aquatic habitat conditions are fair in this reach
- Decrease in large pools in this reach
 - 27 in 1935 survey
 - 5 in 2010 survey
- Stream channelization and lack of large woody debris has led to decrease in pools (BOR 2010)
- Existing pools are used by overwintering juvenile Chinook salmon
- Landowner has worked to improve riparian area



PROPOSED ACTIONS ON CATHERINE CREEK RIVER MILE 38

Produce final designs that will:

- Enhance existing pools with large woody debris to maintain scour, provide cover and reduce bank erosion
- Create areas of low velocity flow
- Improve conditions for riparian vegetation establishment
- Increase woody material to support instream food production



BUDGET

- Final Designs (15,30,80%) \$28,125
- Project Survey \$2,520
- Construction Oversight \$3,750
- Permits \$3,500
- Cultural Resources \$9,675
- Hydraulic Modelling \$1,625
- Project Meetings \$3,625
- Salary \$3,846
- Indirect \$1,573

- **Total** **\$58,239**

