FY 2018
- Bird Track Springs, initiate
- Rock Creek Phase 3

FY 2019
- Bird Track Springs, complete
- Middle Upper GR Phase 1

FY 2020
- Middle Upper GR Phase 2
- Longley Meadows

FY 2021
- Middle Upper GR Phase 3
- Upper GR Tailings Reach

- Catherine Creek Adult Weir Passage
- Catherine Creek Valley/Node Projects
- Acquisition Planning

Partnership Projects
- Catherine Creek, Hall Ranch
- Catherine Creek, Buffalo Flats
CURRENT PROJECTS

Birdtrack Springs & Longley Meadows – Grande Ronde River

- 4 Mile Project Planning Reach
- USFS and Private Lands
- Bird Track Construction 2018-2019 (2 mi.)
- Longley Meadow/Gun Club Construction 2021-2022 (~1 mi.)

BTS Metrics

- 5,000 ft. main channel
- 9,500 ft. side channel
- 1,200 ft. alcoves
- 2,000 ft. floodplain swales
- 300+ large wood structures
- 3,700 ft. brush mattress
- 228 floodplain wood roughness features
2017-4-27 Bird Track Springs
Pre-project

2018-11-20 Bird Track Springs
Near Completion
8 Mile Project Planning Reach on USFS Lands, Vey Meadows to downstream USFS Boundary

- Construction Planned in 3 to 4 Phases
- Year 1 Construction 2018
- Primarily Large Wood Additions
- Gravel Augmentation
- Ground Based and Helicopter Placement
Rock Creek Fish Habitat & Floodplain Restoration

- 1 Mile Project Reach
- Private Land
- Summer 2018 Construction

Project Metrics

- 4,300 ft. main channel
- 462 ft. side channel
- 1,389 ft. alcove
- -1,928 ft. brush mattress
- 1,833 ft. levee removal
- 5,248 ft. drawbottom road decommissioned
- 53 main channel large wood structures
- 155+ whole trees (channels and floodplain)
- 124+ floodplain roughness wood elements
- Floodplain restoration
- Channel morphology
- Complexity/Diversity (physical, thermal)
- Riparian/wetland communities
Evolution of Channel Design

- Channel dimension, pattern, and profile
- Floodplains
- Side channels and alcoves
- Micro & macro topography
- Pool radius of curvature
SIDE CHANNELS & ALCOVES
OLD SCHOOL
LARGE WOOD STRUCTURE DESIGN APPROACH/REFERENCES