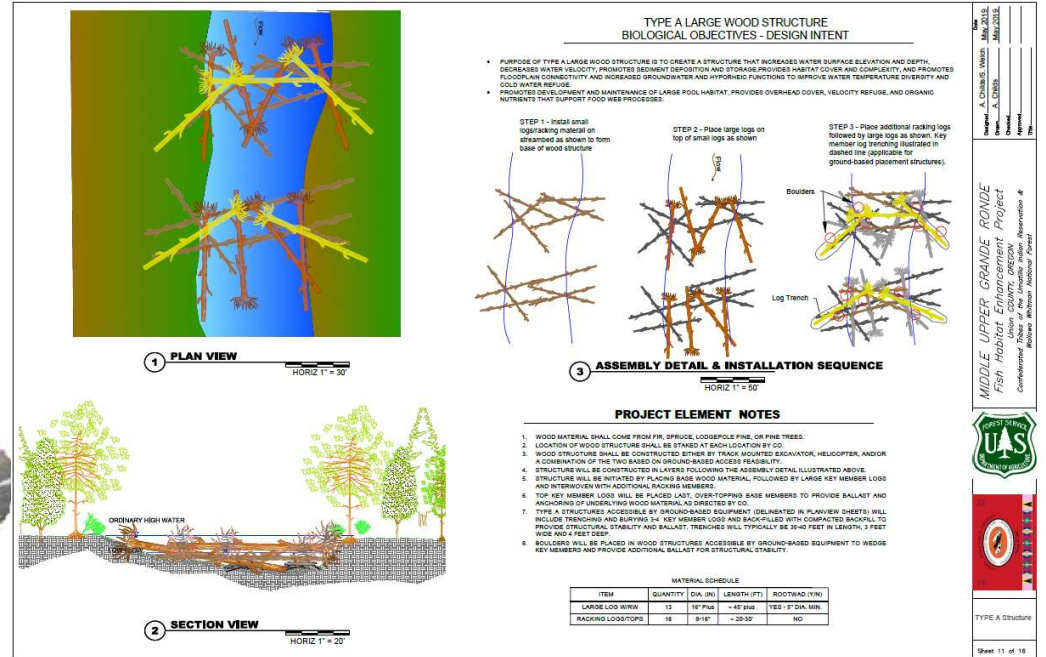
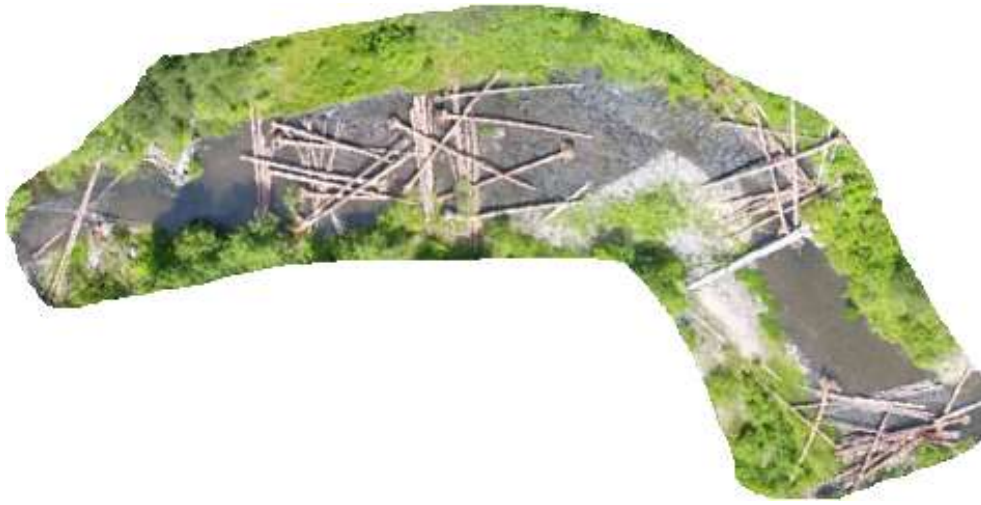


MIDDLE Upper Grande Ronde River

- 8 Mile Project Planning Reach on USFS Lands (Vey Meadows to downstream USFS Boundary)
- Construction Planned in 3 to 4 Phases
- Year 1 Construction Summer 2019 (lower 2 miles)
- Helicopter place of 400 Lg. Key Logs & 1,100 Small Logs/Racking Pieces
- Targeting 8-12 pools per mile





PROJECT MATERIALS SUMMARY

STRUCTURE TYPES AND WOOD SPEC/STRUCTURE	# Structures	Logs w/RW 16" DBH+, 45' L	Tree Tops/Med Wood/Racking (8-14" DBH, 20-30' L)
TYPE A - Habitat Structure	22	13	18
TYPE B - Existing Structure Augmentation)	2	10	16
TYPE C - Deflector Structure	10	6	10
TYPE D - APEX Structure	3	4	6
TYPE E - Bleeder Structure	2	7	10
Type F - Floodplain & Misc Channel Wood	82	0	7

Project Materials Summary by Structure Type		
TYPE A - Habitat Structure	286	396
TYPE B - Existing Structure Augmentation)	20	32
TYPE C - Deflector Structure	60	100
TYPE D - APEX Structure	12	18
TYPE E - Bleeder Structure	14	20
Type F - Floodplain & Misc Channel Wood	0	574
MATERIALS SUMMARY	392	1140

WOOD MATERIAL SPECIFICATIONS	
Wood Material	Material Size
	16"+ DBH, 45' L (Top layer of structure)
	16"+ DBH, 45' L (Base Layer of Structure)
	8-15" DBH+ 30+ L (Racking Logs)