CONSTRUCTION – LIVE ALDER RECRUITMENT

2017 FLOODPLAIN MANAGEMENT ASSOCIATION ANNUAL CONFERENCE
CONSTRUCTION - ENGINEERED LOG JAM INSTALLATION

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POST-CONSTRUCTION MONITORING: IT'S WORKING!!

Winter 2016 - 2017

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POST-CONSTRUCTION MONITORING: IT'S WORKING!!

- Sediment accumulation
- Additional streamwood recruitment
- Additional channel complexity
- Structures are intact
- Floodplain/wetland/off-channel habitat inundated

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POST-CONSTRUCTION MONITORING

- Detailed topographic mapping with ground based LiDAR before and immediately after construction as well as after this winter wet season
- Time-lapse video of flood events
- Sediment tiles to measure accumulation on connector channels and floodplains
- Stream stage measurements
- Groundwater level measurements
- Habitat and sediment mapping
- Pebble counts

*DEM was produced using a spline with barriers interpolation at both 30 cm and 1 m resolution.*
THANK YOU

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