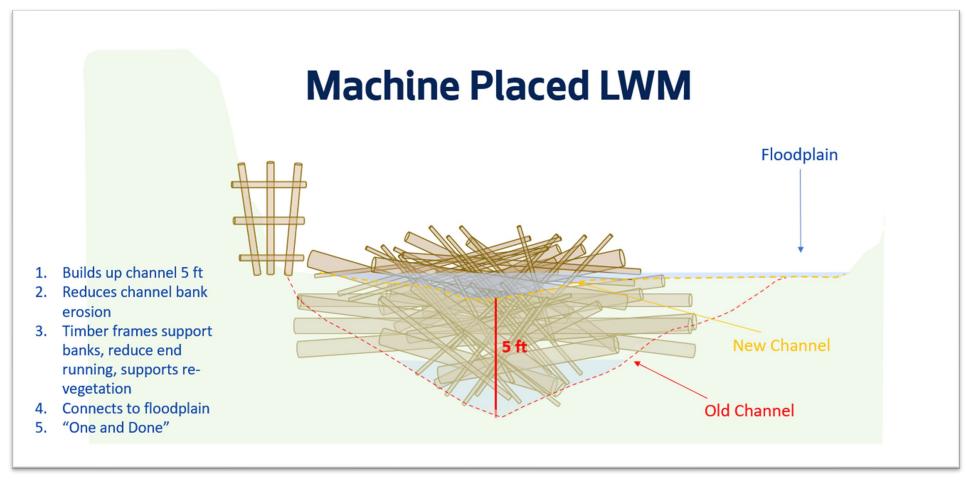
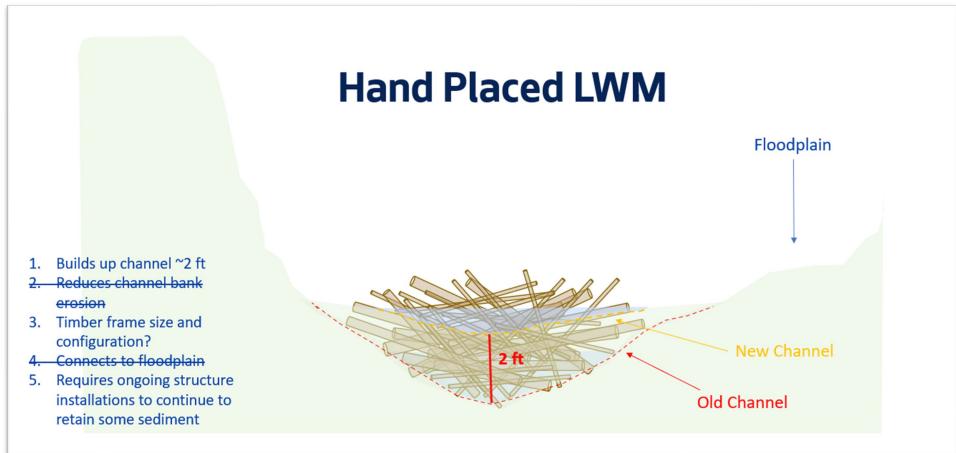


Coordinate System (WA North Zone). Topographic data sources: 2003 & 2016 lidar DEM and 2020 survey (SPU). Volumes displayed are based on vertical differences greater than 1 ft to account for lidar vertical error. Parcels, roads, and buildings from City of Seattle GIS. Surface volumes derived as difference between 2003 - 2020.

Surface volume changes for landslide areas between 2003 and 2020 in Dead Horse Canyon.

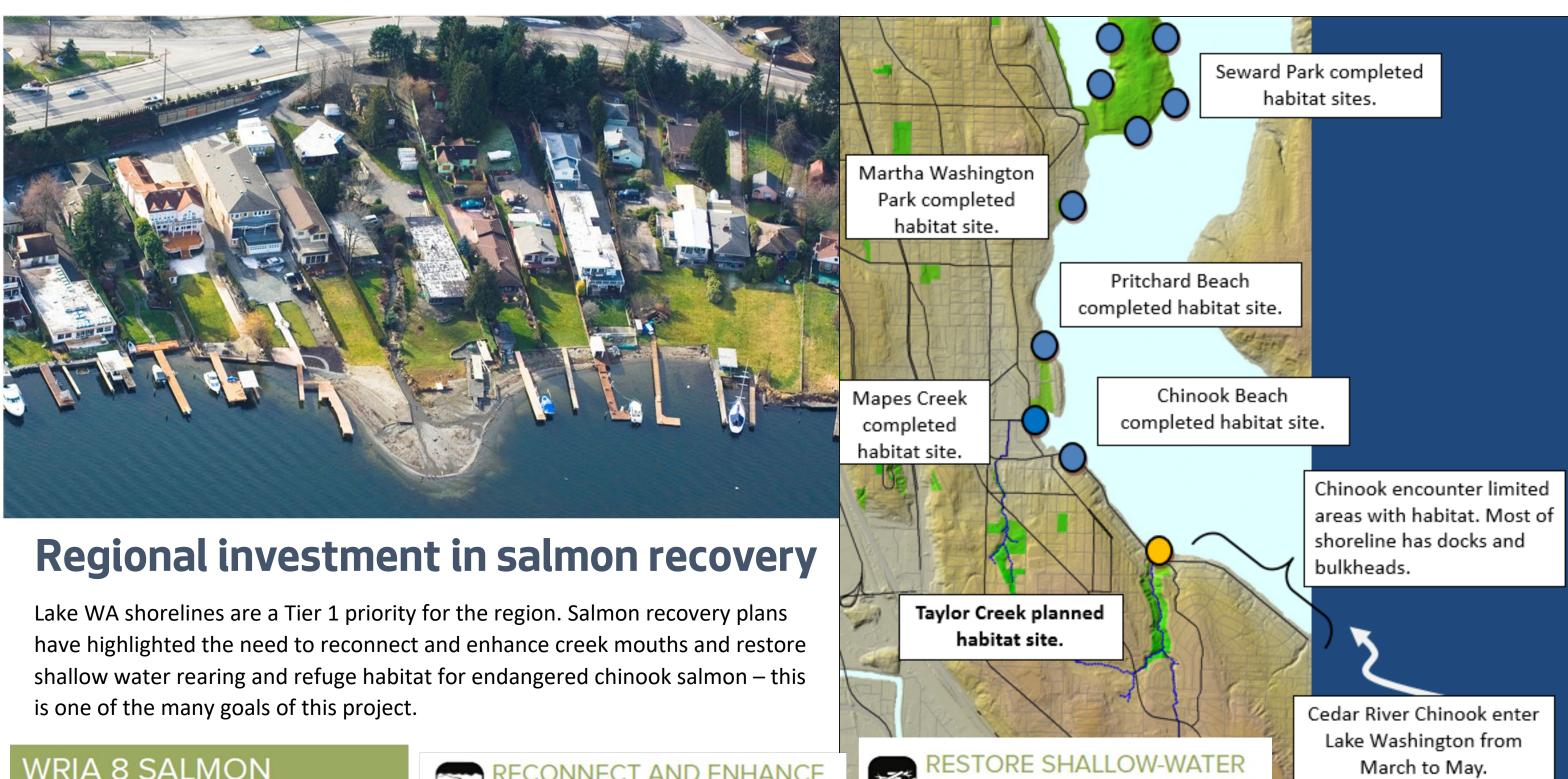




Large Woody Material -

what do we need it to do?

- Stay in place
- Capture sediment/prevent transport and deposition downstream
- Be large enough and capture enough sediment to get to target elevation
 - Connect channel with floodplain
 - Reduce erosional processes at banks

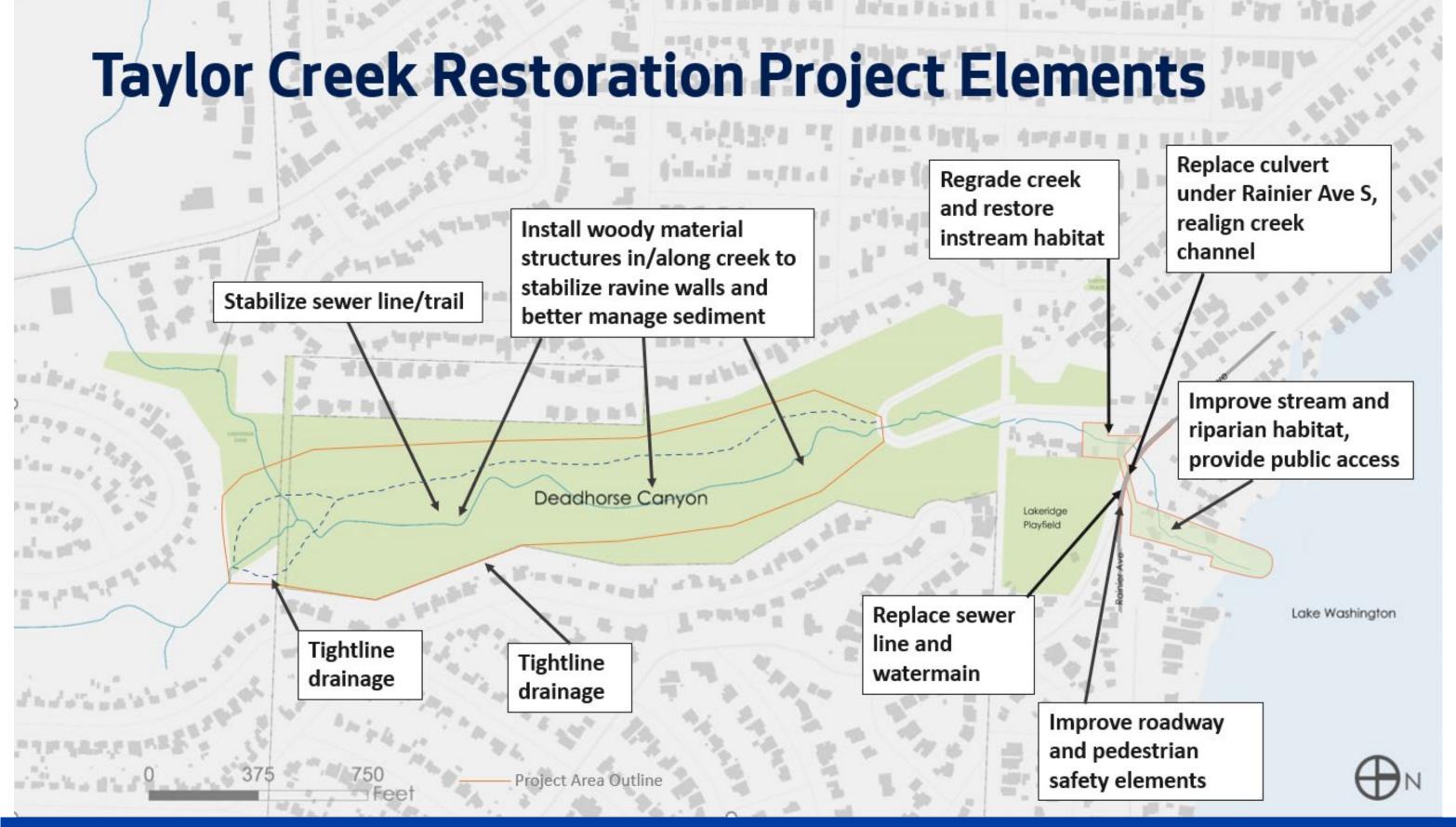


WRIA 8 SALMON RECOVERY STRATEGIES





REARING AND REFUGE



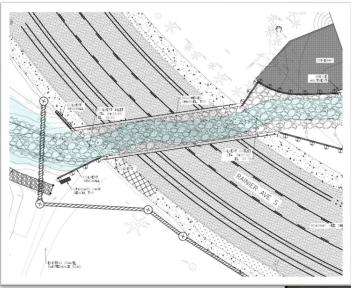


Current Culvert Conditions



New Culvert / Bridge

Culvert under roadway, example from Thornton Creek Improvement







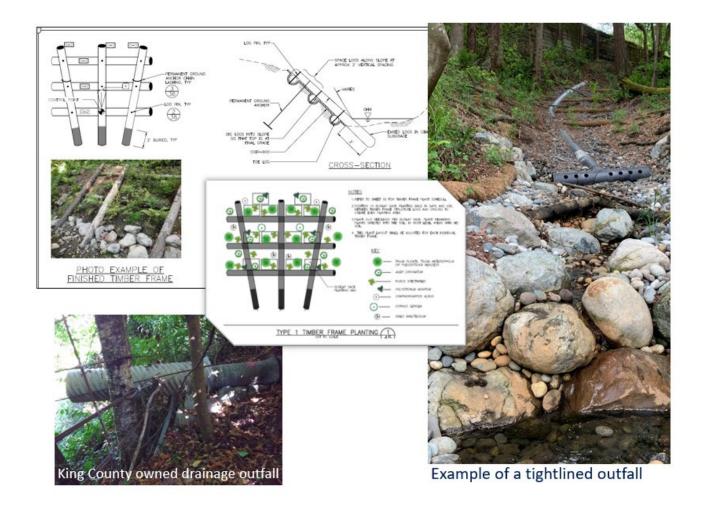
Street improvements





Reduce input Tightline outfall

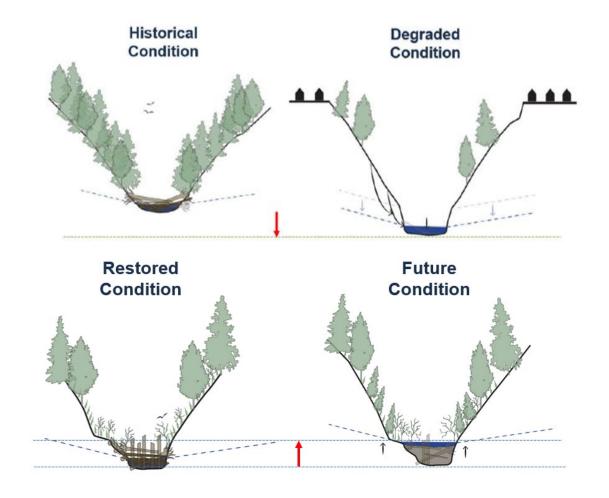
Streambank stabilization & revegetation



Storage in canyon

Large wood

Streambank stabilization & revegetation



Floodplain storage

Increasing natural floodplain

Expanded future floodplain

Sediment Pond



Old Design

Natural Creek Channel

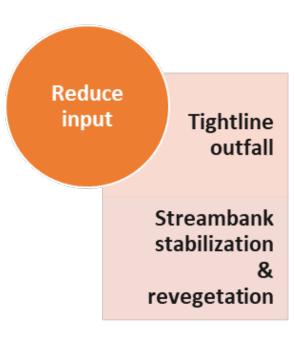


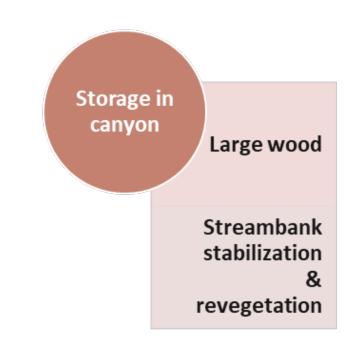
Updated Design

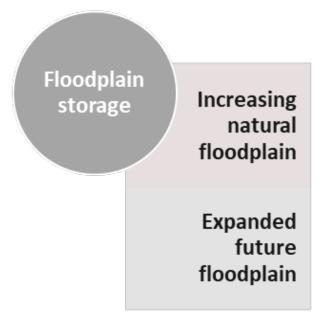
Sediment Management Strategy

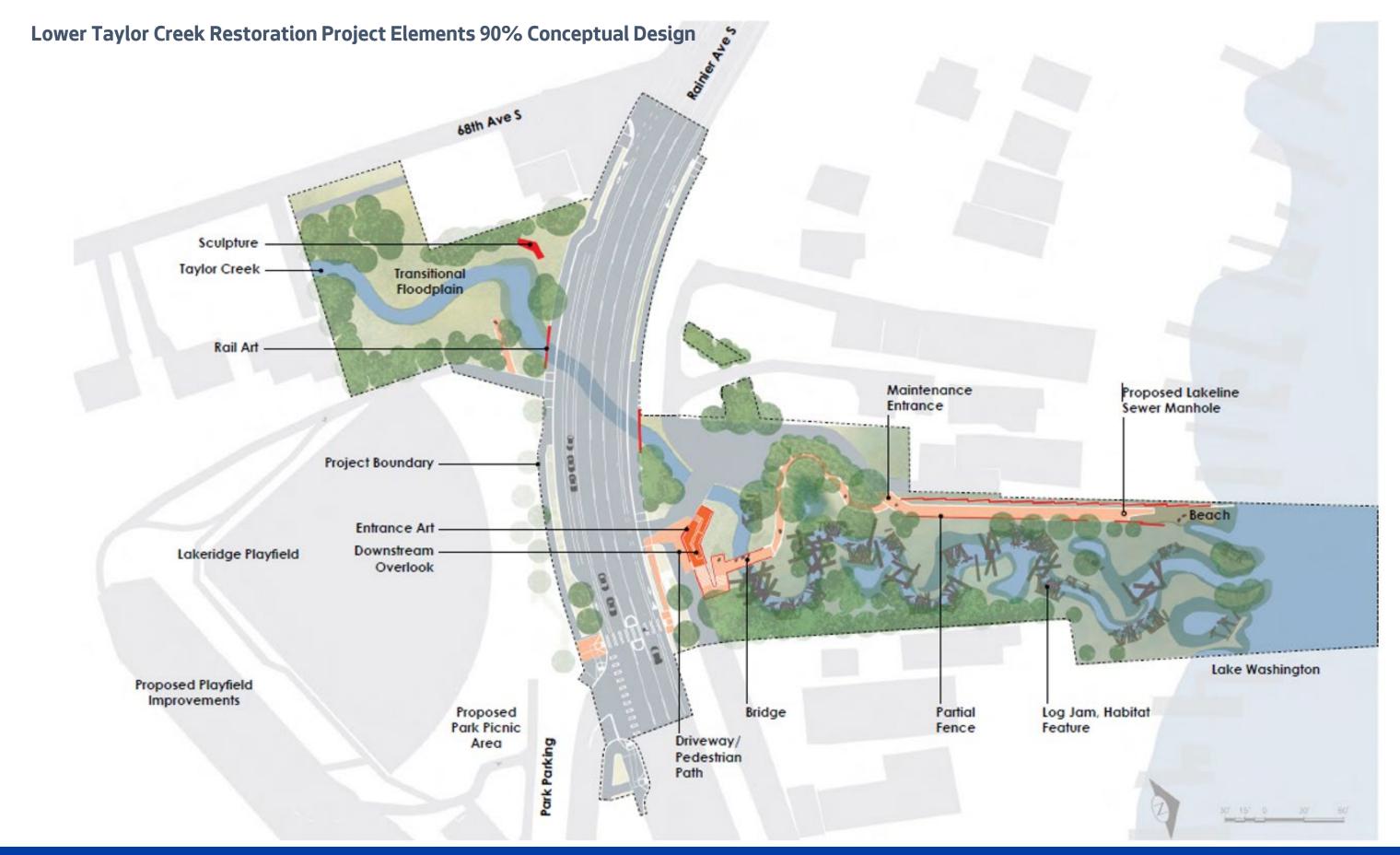
Repair, rebuild and reconnect

- Protect investment in salmon recovery
- Prevent sediment build-up in the culverts
- Reduce/eliminate need for repeated interventions in the creek
- Reduce flooding risk to houses below the canyon









Taylor Creek Restoration Project Draft Art Renderings



