working for clean rivers



















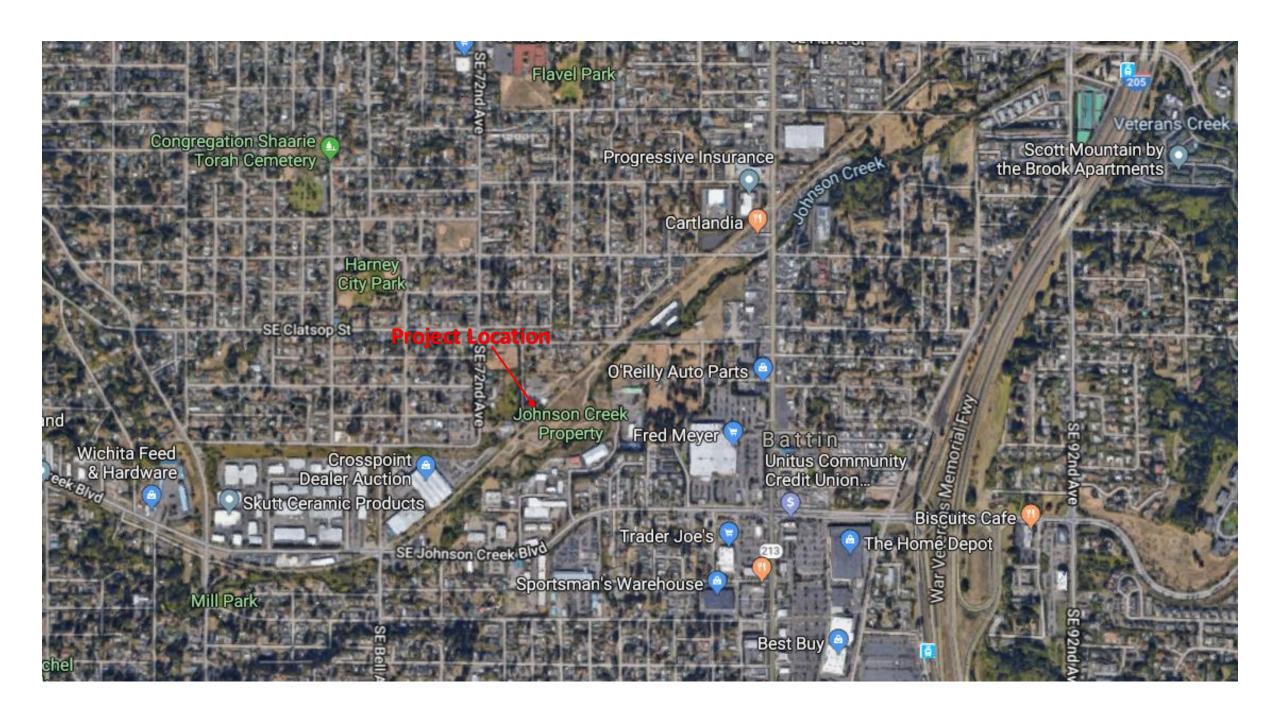
Luther Road Habitat Restoration-

Ali Young, Capital Project Manager City of Portland Environmental Services

October 22, 2019

2019

NICK FISH, COMMISSIONER | MICHAEL JORDAN, DIRECTOR





















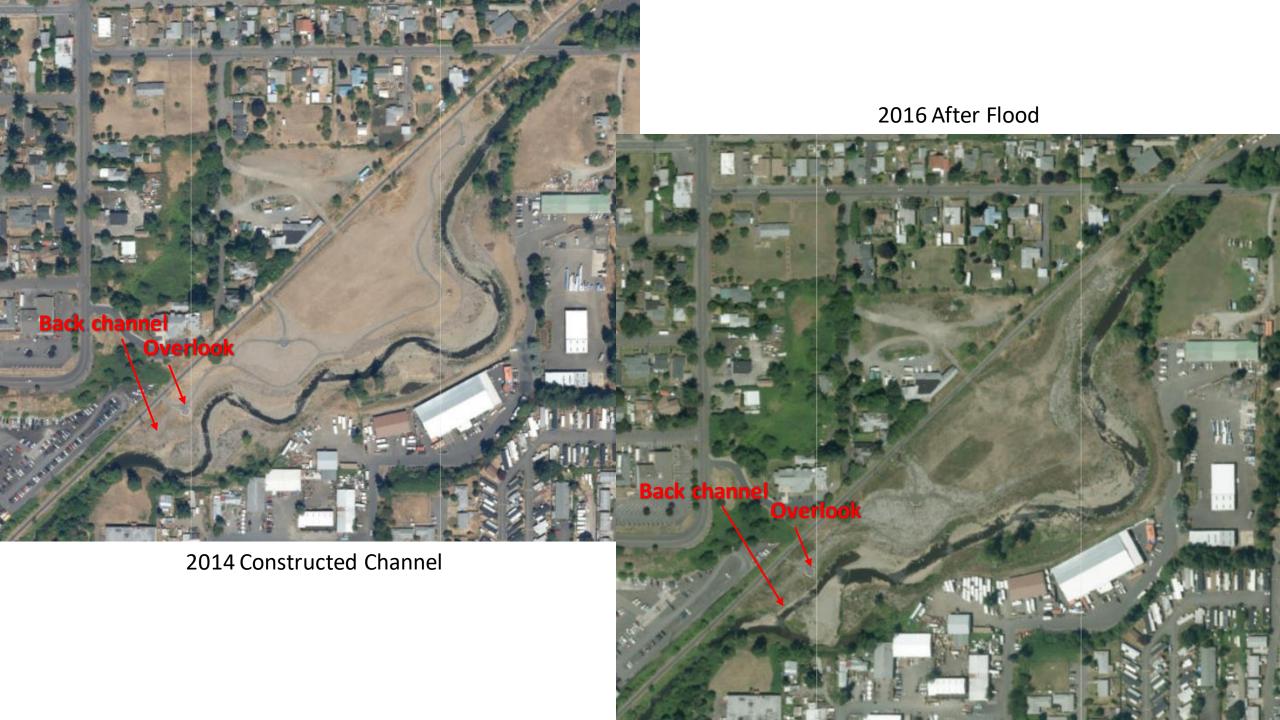
December 2015 Flood

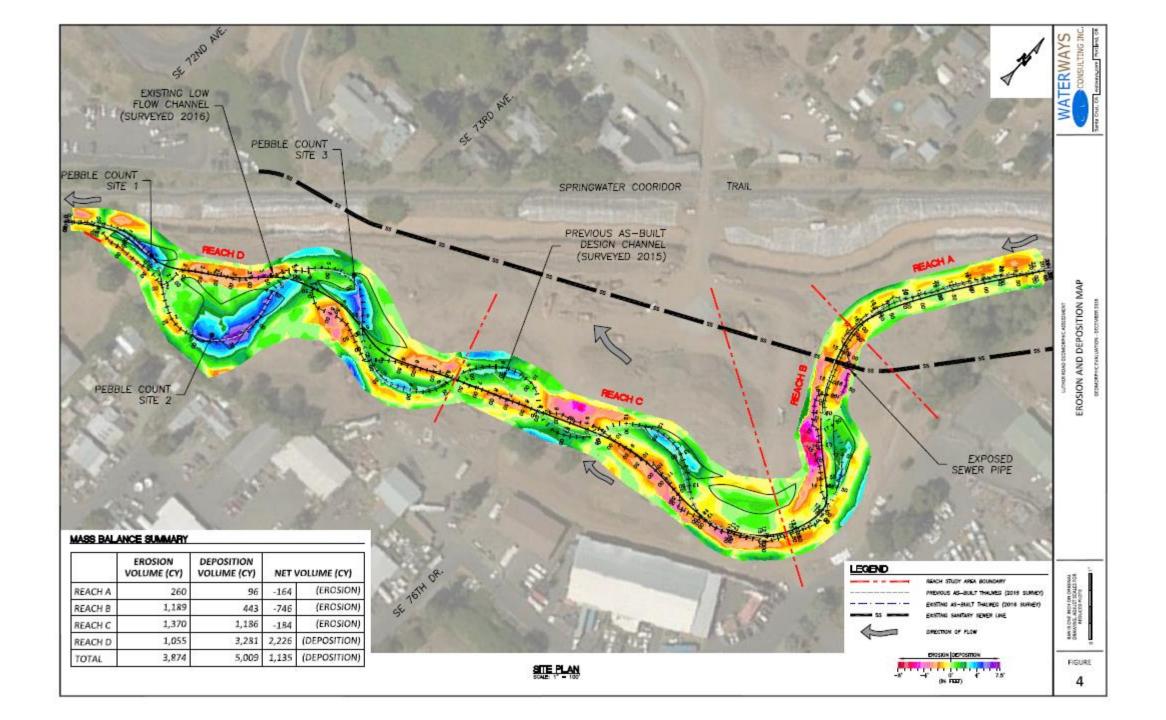
- approx. 25year storm
- 2,740 cfs
- 15.33 feet











Geomorphic Impacts from 2015 Storm

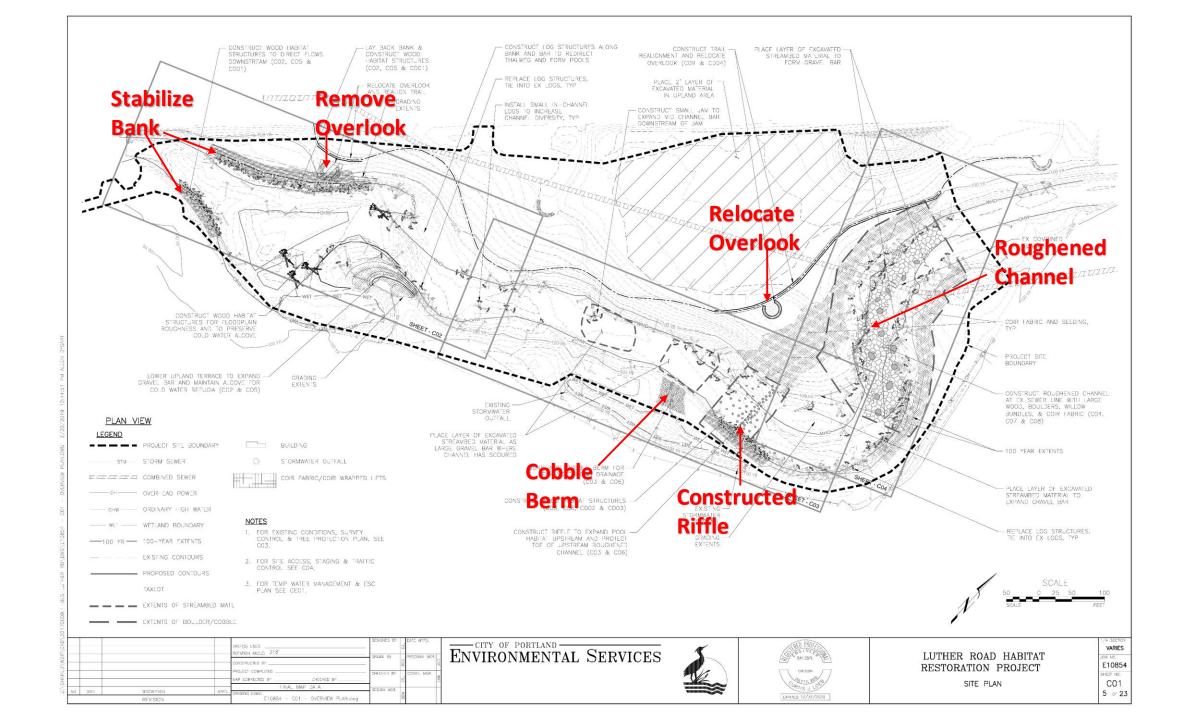
- Creek straightened, thalweg shortened 300-400 feet; primarily below the turn at sewer trunk: built too sinuous for the given valley width
- Creek avulsed into backchannel and constructed channel became high-flow channel
- 6 of 11 constructed riffle-pool sequences remain
- Creek width widened from 25' to 40'



Finer streambed washed out during storm while 2-4 foot boulders remained.







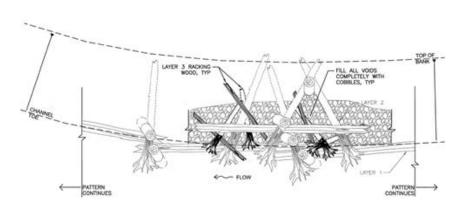










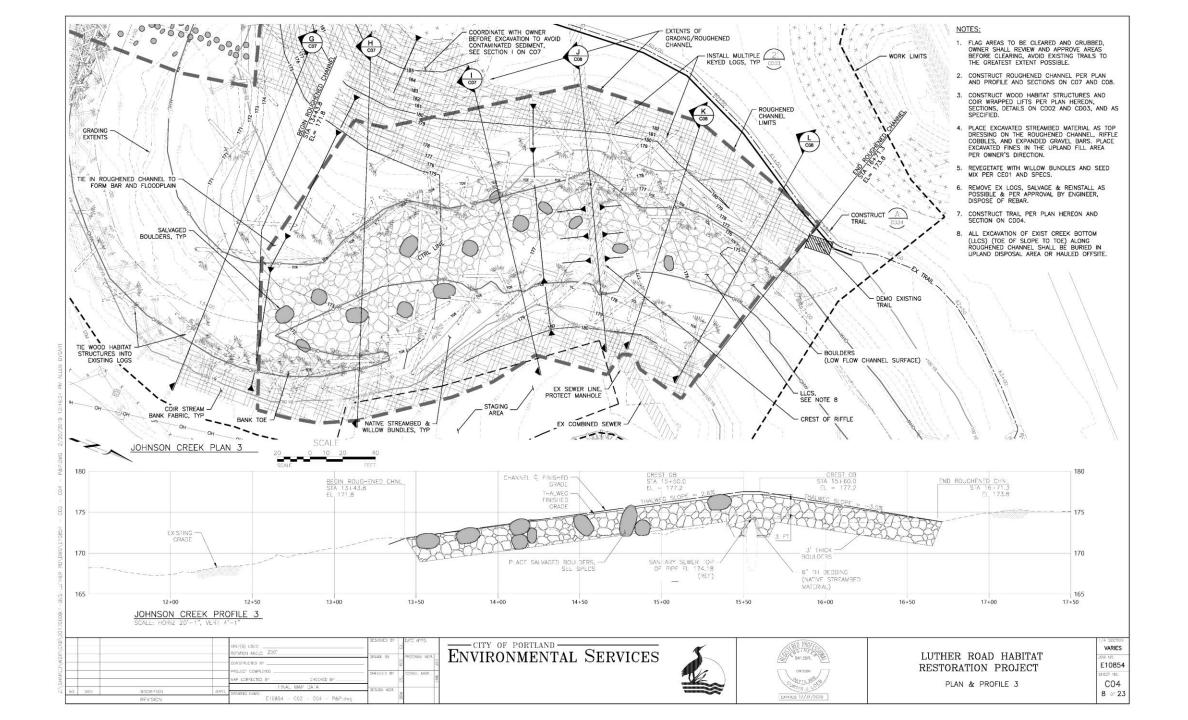


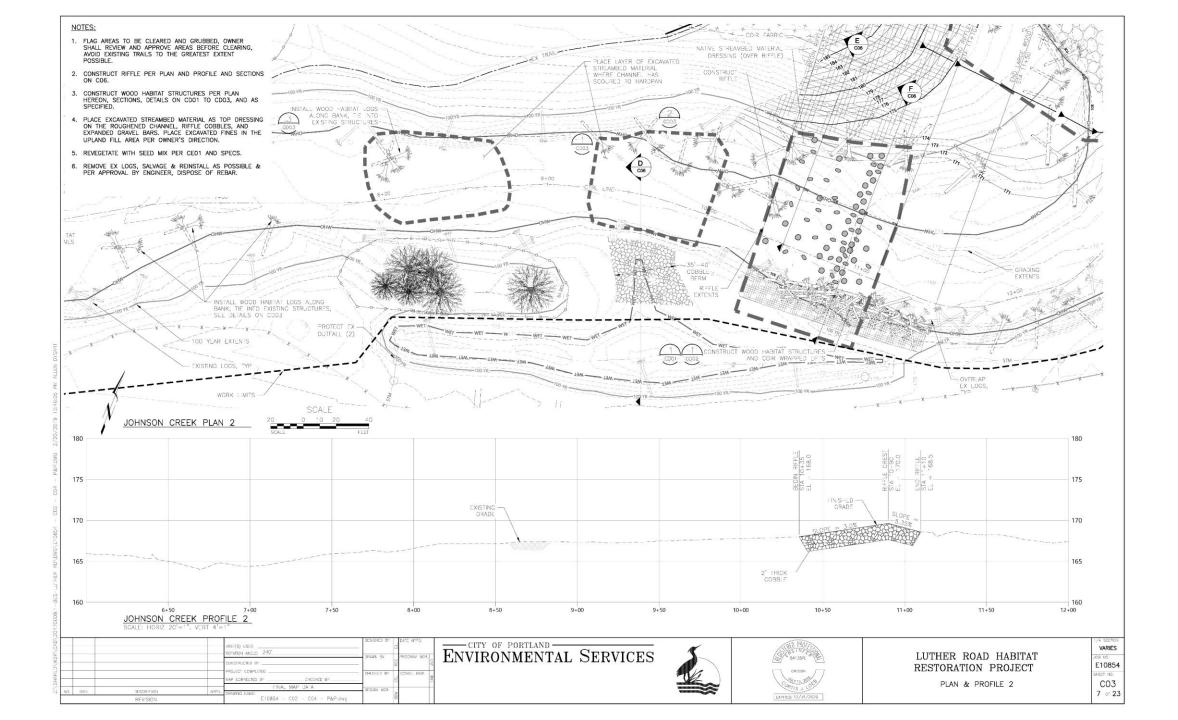


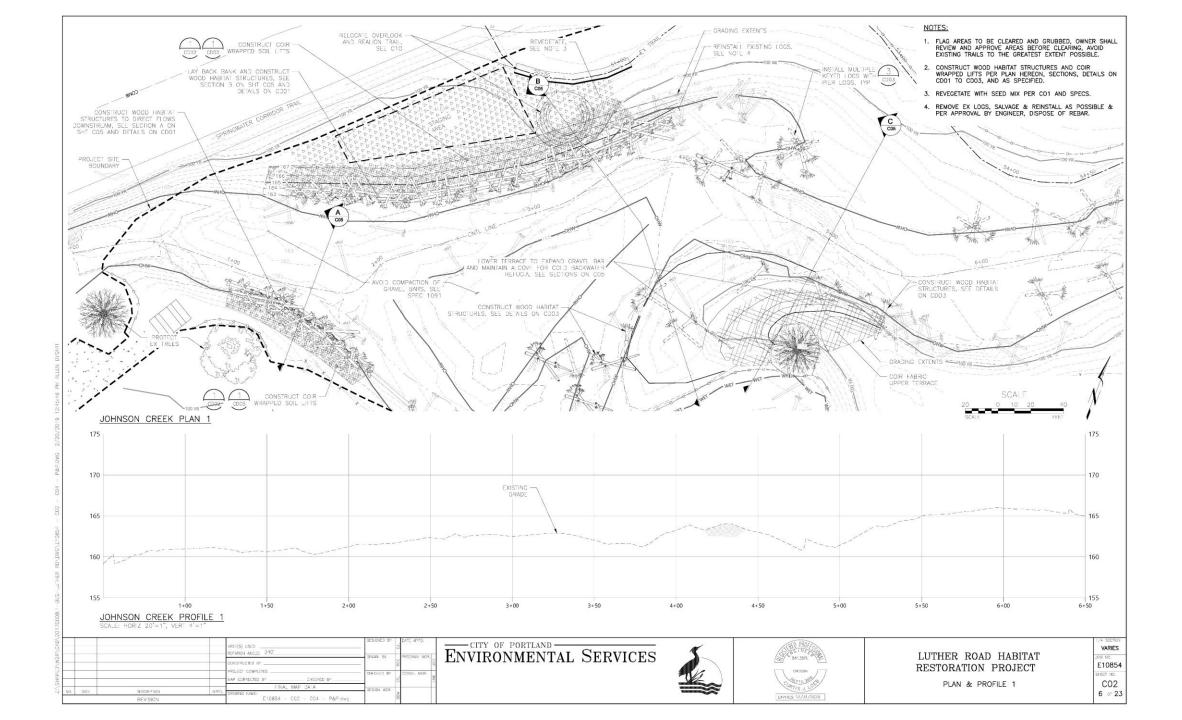
Project Team

- Project Manager: Chris Lastomirsky
- Project Sponsor: Ali Young
- Construction Manager: Nick Naval/ Emily Neuhaus
- Design Engineer: Curtis Loab- Wolf Water Resources
- Senior Inspector: Josh Nault
- Site Inspector: Phebi Grude
- Contractor: Mike Shaw- Keystone Construction
- SMEs: Jennifer Antak, Melissa Brown, Chad Smith, Jim Wood, Rob Cozzi, Bethany Nabhan









	LARGE WO	OD QUANTITI			
LOG TYPE	MIN LENGTH (FT)	MIN DBH (IN)	MIN ROOTFAN DIA (FT)	QTY	
KEY ROOTWAD	30	18	6.0	134	
KEY LOG	30	18	N/A	49	
FOOTER ROOTWAD	40	24	6	7	
FOOTER LOG	40	24	N/A	7	
PIER LOG	15	18	N/A	122	
SALVAGE LOG	25	18	N/A	59	
RACKING WOOD	20	8	N/A	86	1