

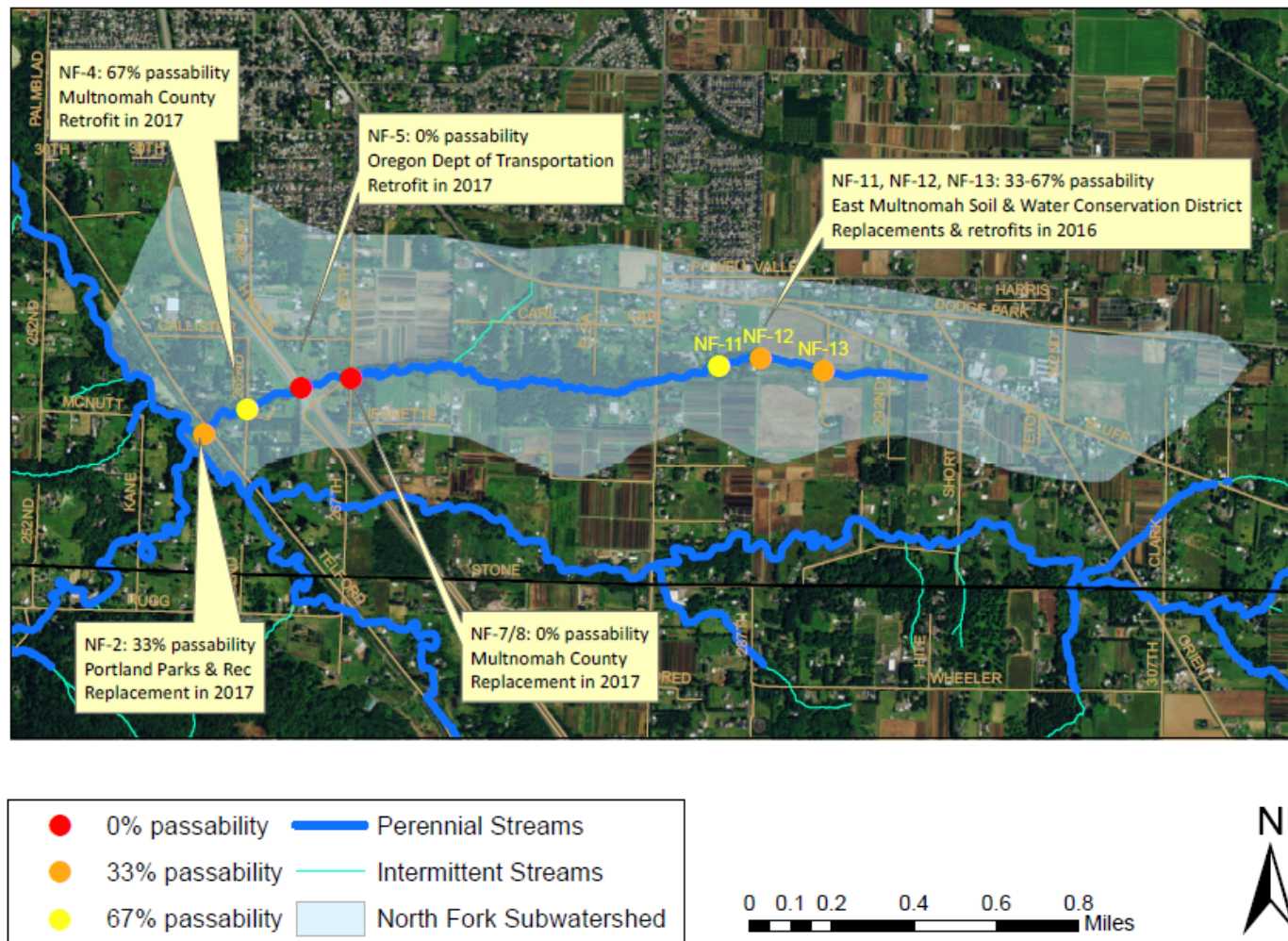
## *North Fork Johnson Creek Springwater Culvert Replacement*



Chuck Lobdell  
Restoration Project Manager  
Johnson Creek Watershed Council

FAMOUS  
AMOS

## North Fork Johnson Creek Culvert Projects





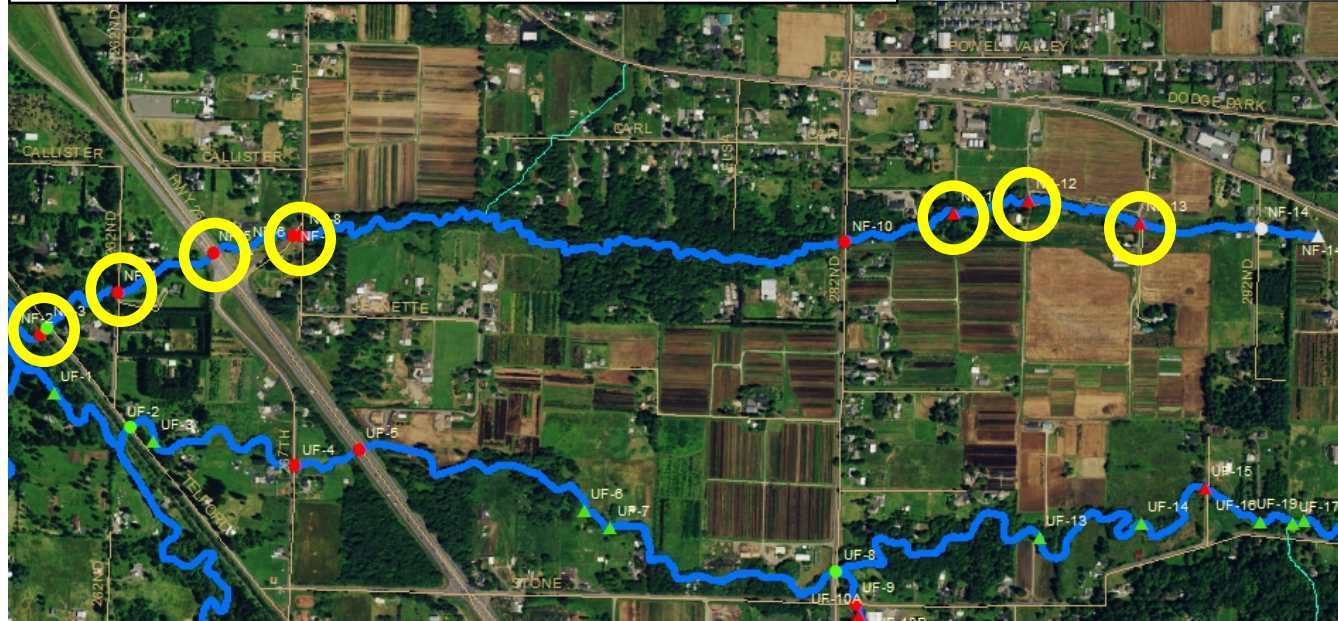
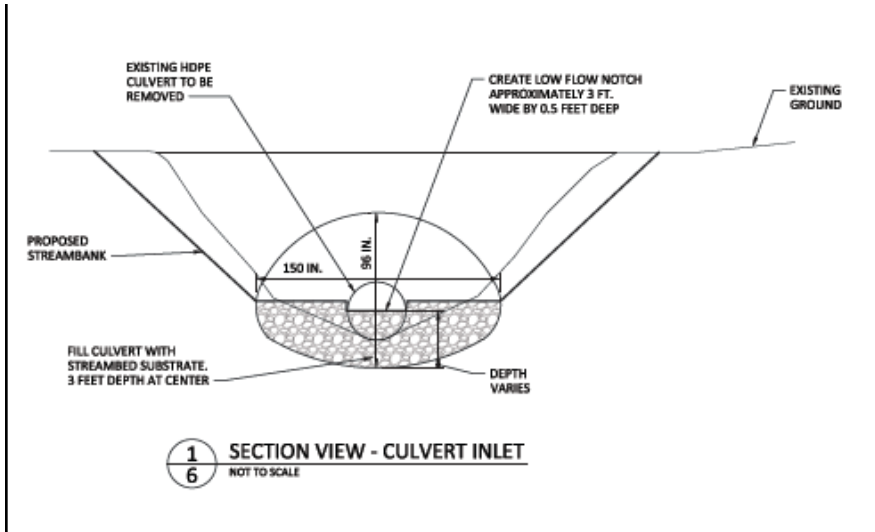
# North Fork Open Migration

7 culverts being replaced or retrofitted:

- EMSWCD: 3 projects, 2016
- JCWC: 1 replacement 2017, 1 retrofit, 2018
- ODOT: 1 retrofit, 2018
- Multnomah County: 1 replacement, 2018

Costs (N Fk @ Springwater Trail):

- \$79,746 Metro
- \$29,392 NFWF
- \$25,000 TNC
- \$13,639 Portland PPR
- \$4,983 Inter-Fluve
- \$3,000 JCWC
- **\$155,760 total project cost**



















































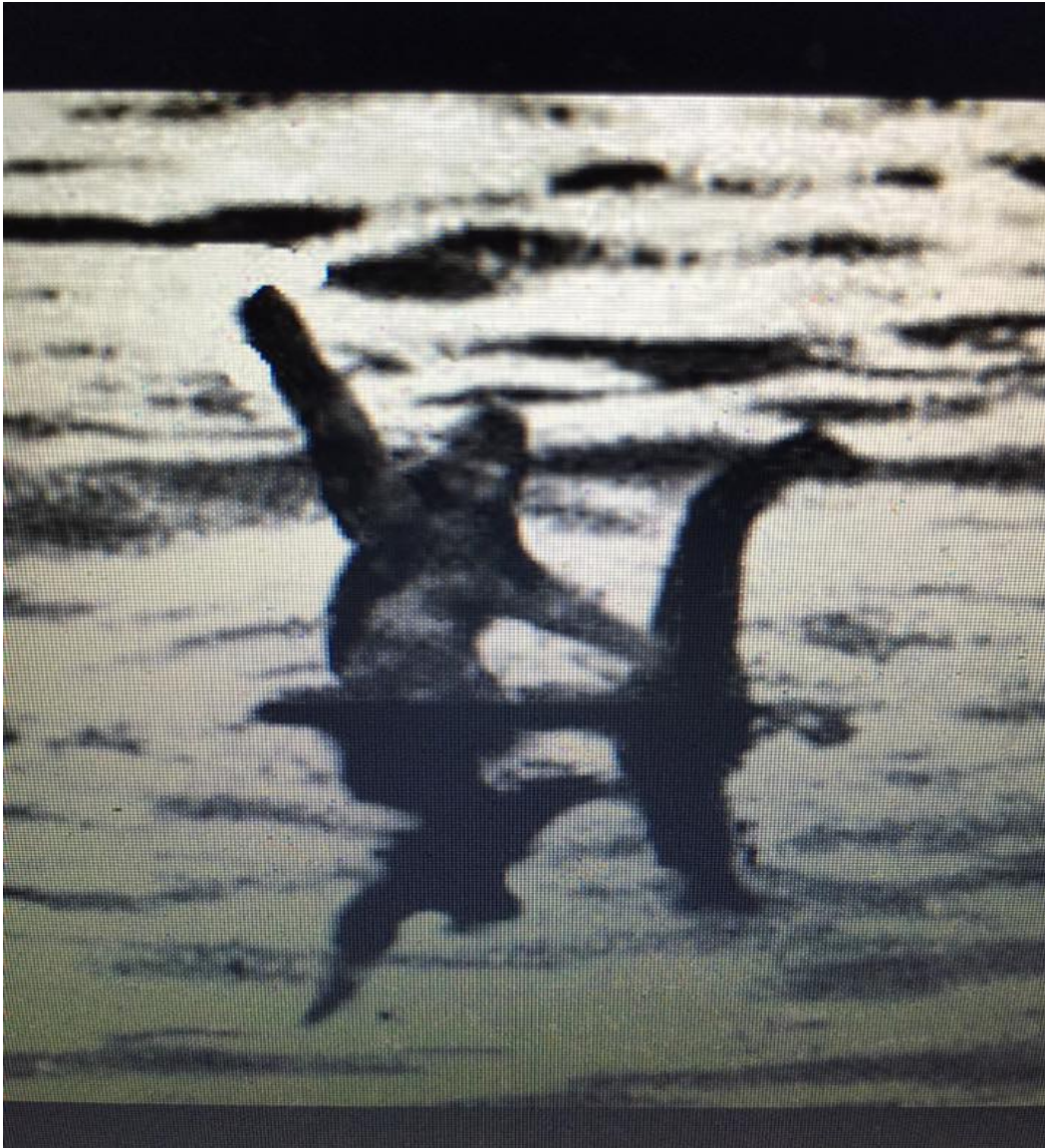












## LESSONS LEARNED:

This project was a Traffic Control Plan with a fish passage component to it! Be prepared!

IF you build your project budget based on a contractor's estimation be SURE to have an agreement or contract with said contractor!

### Special THANK YOU to our funding partners:

*Metro*

*National Fish and Wildlife Foundation*

*TNC*

*Portland Parks and Recreation*

*Inter-Fluve*