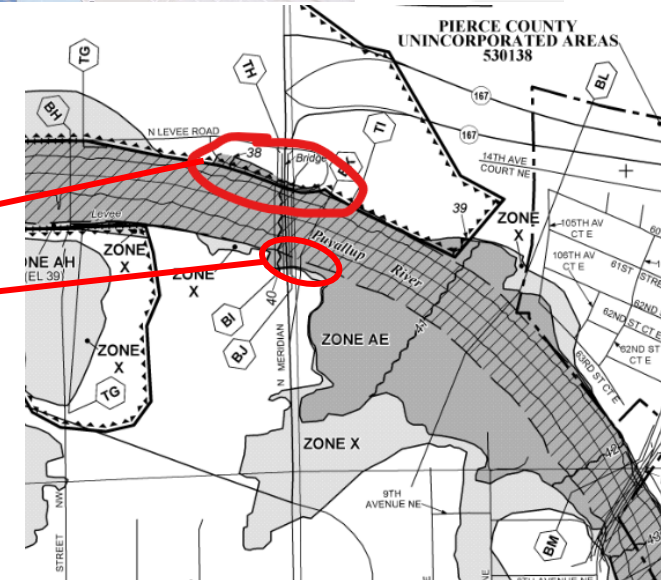
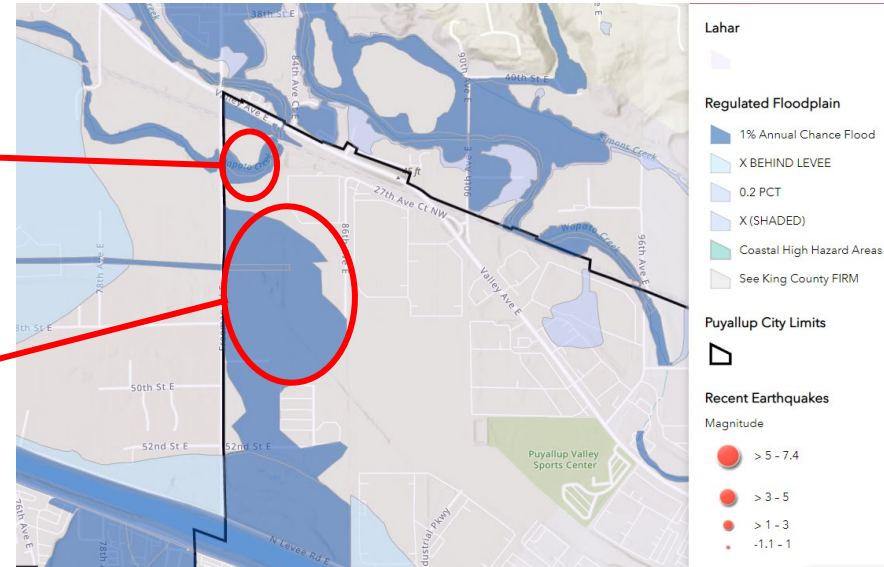


SR 167 Stage 2

City of Puyallup:
Proposed Activities within
Mapped
Floodplains/Floodways

Regulated Floodplains in Puyallup

- Zone AE floodplain and floodway upstream of Freeman Road E. crossing of Wapato Creek
- Zone A floodplain south of Wapato Creek and east of Freeman Road E.
 - Peak 100-year flood water level estimated based on draft working map prepared for Pierce County in 2009 associated with Puyallup River overflow to north
- Zone AE floodplain and floodway on north and south sides of Puyallup River at Meridian Avenue bridge



SR 167 Stage 2 – Floodplain Modifications

Construction will include fill in floodplain areas at these five locations in Puyallup:

1. New SR 167 mainline, Freeman Road E., and shared use path bridge abutments at Wapato Creek crossing
2. Minor widening of Freeman Road E. south of Wapato Creek
3. Highway embankments and shared use path embankment east of Freeman Road E. and south of Wapato Creek
4. Levee Road North widening and new shared use path on north side of Meridian Avenue bridge
5. New shared use path on south side of Meridian Avenue bridge

Excavation will occur for wetland mitigation sites adjacent to Wapato Creek and an unnamed stream, for Wapato Creek floodplain enhancement east of Freeman Road E., and in shared use path work areas on north and south sides of Meridian Avenue bridge

Project-Induced Changes in Flood Storage

Location	Flood Storage Volume Displaced by Fill	Compensatory Flood Storage Created by Excavation Nearby
Abutments for SR 167 mainline, realigned Freeman Road E. and shared use path bridges at Wapato Creek	450 cubic yards	450+ cubic yards ¹
Widening of Freeman Road E.	50 cubic yards	50 cubic yards
East of Freeman Road E. and south of Wapato Creek	2,000 cubic yards	2,000+ cubic yards
North of Puyallup River, N Levee Road improvements and shared use path	222 cubic yards	486 cubic yards
South of Puyallup River, shared use path	35 cubic yards	7 cubic yards

¹ Hydraulic modeling indicates peak 100-year flood water surface elevation will be slightly lower than existing conditions due to expanded Wapato Creek floodplain areas east and west of Freeman Road E. , contributing to mitigation that offsets fill in the existing floodplain

Floodplain Mitigation Summary

- Excavation for wetland mitigation and floodplain enhancement sites readily provides sufficient compensatory flood storage near Wapato Creek bridges, and slightly lowers the 100-year flood elevation there

(note: existing floodway in Wapato Creek will be slightly realigned beneath Freeman Road E. bridge)

- Excavation for wetland mitigation sites east of Freeman Road E. and south of Wapato Creek provides compensatory storage volume for displaced flood storage adjacent to “stream 15” (as named in project documentation), at slightly lower elevations than existing ground

- Excavation below 100-year flood elevation at North Levee Road exceeds volume of fill for road widening modifications and shared use path construction on both sides of the river adjacent to Meridian Avenue bridge

(note: existing floodway in Puyallup River will not be encroached on as road modifications will slightly expand it)