

**Legislation title:** \*Authorize a Joint Funding Agreement with the U.S. Geological Survey, U.S. Department of the Interior to update the 100-year floodplain for Crystal Springs Creek in the amount of \$19,800. (Ordinance)

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**Purpose of proposed legislation and background information:**

The legislation is being proposed to authorize a Joint Funding Agreement with the USGS to complete hydraulic modeling for a 2.4 mile reach of Crystal Springs Creek in SE Portland. This information is necessary to complete a FEMA required Conditional Letter of Map Revision (CLOMR) application package. The CLOMR application is required to update the 100-year floodplain maps (Flood Insurance Rate Maps, or FIRM) to reflect changes from culvert replacement and restoration projects, beginning in 2010.

BES and the Portland Bureau of Transportation are designing a project to replace Crystal Springs Creek culverts at SE Glenwood Street and SE Bybee Boulevard. Projects replacing seven of the nine Crystal Springs Creek culverts that impeded fish passage are complete, as well as a major restoration project at Westmoreland Park. The Glenwood Street and Bybee Boulevard culverts are the final two culverts that restrict fish passage, especially for endangered juvenile salmon and trout species. The projects improve water quality, hydrology, and aid in the recovery of Portland's endangered species.

This is the second JFA with the USGS related to hydraulic modeling of Crystal Springs Creek. The first agreement (JFA contract number 30003335, authorized by ordinance #185999) was authorized at a time when FEMA agreed to submission of a Flood Inundation Study (FIS) for all nine culverts and Westmoreland Park restoration. Since then, in consultation with FEMA, BES has determined that the best way to meet local and federal regulations is to apply for a CLOMR for the Glenwood and Bybee culvert replacement projects. As a result, hydraulic modeling beyond the scope of the original JFA is needed.

**Financial and budgetary impacts:**

Discuss the impacts of the legislation relating to all of the following if relevant:

- There are no long-term financial impacts for the City in authorizing the JFA with USGS.
- The action does not amend the budget. The \$19,800 budget is available in the Sewer System Operating Fund, FY 14-15 (\$14,300) and FY 15-16 (\$5,500) Budgets, Bureau of Environmental Services, Cost Center ESWS000011.
- The action does not authorize additional spending on a new or existing project or program.
- The legislation does not create, eliminate or re-classify positions now or in the future.
- The legislation results in a new JFA with the USGS to complete hydraulic modeling of Crystal Springs Creek.

**Community impacts and community involvement:**

- Public involvement for the CLOMR will take place as outlined by FEMA's extensive public involvement process which includes mailings and notices to property owners impacted by the floodplain changes. The culvert replacement and restoration projects provide an overall net benefit to floodplain property owners by enhancing floodplain function on public property. New, updated FIRM maps will more accurately reflect risk of flooding in the Crystal Springs basin.

- The culvert and restoration projects to date have included extensive public involvement and outreach involving numerous groups. Although community outreach specific to this ordinance has not yet occurred, this request is part of a broader effort to focus on salmon recovery and restoration in one watershed – Crystal Springs.
- The public involvement requirements for the CLOMR are specific to the geographic region of the Crystal Springs Floodplain.
- Flood analyses for Crystal Springs Creek will identify areas subject to flooding, and can be used by City of Portland and other regional officials to assess and prioritize where best to concentrate efforts to lessen flood damages and protect life and property

# Budgetary Impact Worksheet

187054

Does this action change appropriations?

☐ YES: Please complete the information below.

☒ NO: Skip this section

Fund	Fund Center	Commitment Item	Functional Area	Funded Program	Grant	Sponsored Program	Amount