

APPENDIX 2 – Total Maximum Daily Load (TMDL) Requirements

CITY OF EDGEWOOD

Action Required

Designate areas discharging via the MS4 to Jovita Creek as high priority areas for illicit discharge detection and elimination. Complete IDDE screening for bacteria sources in 100% of these MS4 subbasins by July 31, 2024, and implement the schedules and activities identified in S5.C.5 of the Western Washington Phase II Permit in response to any illicit discharges found. The results of all bacterial screening conducted in these sub-basins shall be included in the annual reports submitted to Ecology.

Background

Jovita Creek Basin

The drainage basin for Jovita Creek is approximately 3.1 square miles, the majority of which extends north of Edgewood into King County: approximately 0.97 square mile (31 percent) of the drainage basin lies within the northeast section of the city. There are two main tributaries to Jovita Creek. The southern tributary is located north of Edgewood, east of Meridian Avenue. The headwaters area consists of a large emergent wetland (Kato & Warren 1997). The other tributary flows from Trout Lake in King County and is an important source of base flow to the stream. Within the city, the main stem of Jovita Creek flows in a steep-sided canyon. At the mouth of the canyon, the stream flows adjacent to Jovita Creek Boulevard before its confluence with the White River. The adjacent hill slopes in the canyon are subject to frequent slides caused by runoff from the plateau above, tree falls, unstable slopes, and high flows in the creek.

Jovita Creek is included in the Puyallup River total maximum daily load (TMDL) to address bacteria exceedances; there are no other impaired water listings in the basin. Jovita Creek Boulevard is directly adjacent to the stream and may be contributing to stream impairments. The following summarize the key factors that influenced the scoring for this basin:

- Condition Assessment: High Score (Poor Condition)
- o Water Resource Condition: High (Poor), due to existing fish passage barriers and roadway flooding.
 - Beneficial Use Support: High (Poor), due to flooding of a significant roadway and roadway runoff.
 - Stormwater Influence: Moderate Score (Fair Condition), due to high road density but moderate scores in most other metrics, including moderate development pressure relative to other basins.

Outfalls Discharging to Jovita Creek

City staff identified two outfalls to Jovita Creek between Meridian Ave E and 114 Ave E in Edgewood. The two outfalls discharge water from several roadways within the Jovita Creek Basin.

East of 114th Ave E following Jovita Blvd E to West Valley HWY E, city staff identified one outfall to Jovita Creek and a series of culverts that discharge water from the roadside ditch on the south of Jovita Blvd E to Jovita Creek on the north side of the Jovita Blvd E.

Field Screening

Previous field screening activities were conducted in August 2023 and were reported with the previous annual report.

Complete IDDE screening for bacteria sources in 100% of these MS4 sub-basins will be conducted prior to July 31, 2029.