

CITY OF KIRKLAND123 FIFTH AVENUE • KIRKLAND, WASHINGTON 98033-6189 • (425) 587-3800

DEPARTMENT OF PUBLIC WORKS**PRE-APPROVED PLANS POLICY****Policy D-13: WETLAND HYDROLOGY STUDY GUIDELINES**

This policy is in place to provide guidance on requirements regarding offsite analysis, specifically related to potential impacts to wetland hydrology. If a project triggers Core Requirement #2: Offsite Analysis and has a wetland on the property, see requirements below for *A. Onsite Wetlands*. If the project triggers Core Requirement #2: Offsite Analysis, locates a wetland within ¼ mile downstream, AND is not exempt from Core Requirement #3: Flow Control Facilities, see requirements below for *B. Offsite Wetlands*.

A. Onsite Wetlands

The project identified a wetland on the property and is required by Kirkland Zoning Code (KZC) Chapter 90 to create a Critical Area Report. Refer to the Planning Department for additional information on the Critical Area Report.

In addition to the Critical Area Report, an Onsite Wetland Hydrology Study is required by the Public Works Department. This Onsite Wetland Hydrology Study must describe:

- The change in flow rate from existing to developed conditions (if there is a vault onsite, use the flow release from the detention system).
- Hydrologic report analysis of the hydroperiod of the wetland and the fluctuation in water level due to the increase/decrease in flows (use WWHM 2012) modeled for individual days or on a monthly basis based on the criterion outlines in the Department of Ecology 2014 Stormwater Management Manual for Western Washington, Volume I, Appendix I-D, Guide Sheet 3B.
- Memorandum from a wetland qualified critical area professional (as defined in KZC Chapter 90) stating whether the proposed project will have adverse impacts on wetland functions, including but not limited to amphibian reproduction and potential changes in vegetation composition or structure, as a result of effects of changes to the hydroperiod.
- If the memorandum indicates there will be adverse impacts, include how the project proposes to mitigate for these impacts.

B. Offsite Wetlands

The project identified a wetland ¼ mile downstream of the property. The Public Works Department will determine on a case-by-case basis what elements of the Wetland Hydrology Study, above, and the Critical Area Report, KZC 90.110, are required for an Offsite Wetland Hydrology Study.