



**Executive Summary – August 2026
Harstene Retreat Water System Plan
Water System ID# 31572M**

The Harstene Retreat Water System was originally constructed in 1973 to serve the Harstene Retreat subdivision on Harstene Island in Mason County. The system currently provides potable water service to 35 single-family residential connections located along Fox Lane, Coyote Lane, and portions of Cougar Lane North. Figure ES-1 shows the location of the water system service area within Mason County.

The 2026 Water System Plan (WSP) evaluates the condition and capacity of the existing water system and identifies improvements needed to provide reliable service over the next ten years. The plan confirms that the system is currently capable of serving its existing 35 connections. However, based on updated water storage requirements and current planning criteria, the system's approved service capacity has decreased from the previously approved 47 connections to 35 connections.

To address this reduction in capacity and improve overall system performance, the WSP identifies several capital improvements, including:

- Continued pursuit of an existing additional water right application.
- Installation of iron and manganese treatment facilities.
- Construction of additional water storage.
- Replacement of the existing booster pump system.
- Replacement of aging Class 125 distribution piping with more durable materials.
- Installation of auxiliary power at the well house.

These improvements are intended to improve system reliability, enhance water quality, increase emergency preparedness, and restore the infrastructure capacity needed to support future connections. Collectively, the projects provide a long-term strategy for maintaining safe and reliable drinking water service for existing customers while positioning the system for future growth.

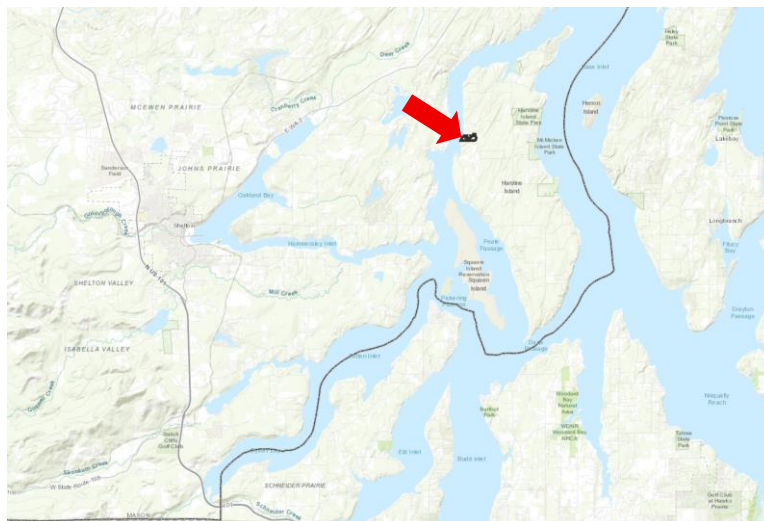


Figure ES-1