

A topographic map showing the North Florence Dunal Aquifer Area SSA. The area is shaded in light blue and is bounded by a red line. It is situated along the coast of Oregon, with Florence at the southern end. Major roads shown include Highway 101 running north-south and Highway 126 running east-west. The Florence-Eugene Hwy is also labeled. The terrain is hilly and forested, with a National Forest area visible in the upper right. The Pacific Ocean is to the west.

North Florence Dunal Aquifer Area SSA

101

Florence

Florence-Eugene Hwy

126

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



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Sole Source Aquifers (CEST and EA)

General requirements	Legislation	Regulation
The Safe Drinking Water Act of 1974 protects drinking water systems which are the sole or principal drinking water source for an area and which, if contaminated, would create a significant hazard to public health.	Safe Drinking Water Act of 1974 (42 U.S.C. 201, 300f et seq., and 21 U.S.C. 349)	40 CFR Part 149
Reference		
https://www.hudexchange.info/environmental-review/sole-source-aquifers		

1. Does your project consist solely of acquisition, leasing, or rehabilitation of an existing building(s)?

- Yes → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.*
- No → *Continue to Question 2.*

2. Is the project located on a sole source aquifer (SSA)¹?

- No → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination, such as a map of your project (or jurisdiction, if appropriate) in relation to the nearest SSA and its source area.*
- Yes → *Continue to Question 3.*

3. Does your region have a memorandum of understanding (MOU) or other working agreement with EPA for HUD projects impacting a sole source aquifer?

Contact your Field or Regional Environmental Officer or visit the HUD webpage at the link above to determine if an MOU or agreement exists in your area.

- Yes → *Provide the MOU or agreement as part of your supporting documentation. Continue to Question 4.*
- No → *Continue to Question 5.*

4. Does your MOU or working agreement exclude your project from further review?

- Yes → *Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination and document where your project fits within the MOU or agreement.*

¹ A sole source aquifer is defined as an aquifer that supplies at least 50 percent of the drinking water consumed in the area overlying the aquifer. This includes streamflow source areas, which are upstream areas of losing streams that flow into the recharge area.

No → Continue to Question 5.

5. Will the proposed project contaminate the aquifer and create a significant hazard to public health?

Consult with your Regional EPA Office. Your consultation request should include detailed information about your proposed project and its relationship to the aquifer and associated streamflow source area. EPA will also want to know about water, storm water and waste water at the proposed project. Follow your MOU or working agreement or contact your Regional EPA office for specific information you may need to provide. EPA may request additional information if impacts to the aquifer are questionable after this information is submitted for review.

No → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide your correspondence with the EPA and all documents used to make your determination.

Yes → Work with EPA to develop mitigation measures. If mitigation measures are approved, attach correspondence with EPA and include the mitigation measures in your environmental review documents and project contracts. If EPA determines that the project continues to pose a significant risk to the aquifer, federal financial assistance must be denied. Continue to Question 6.

6. In order to continue with the project, any threat must be mitigated, and all mitigation must be approved by the EPA. Explain in detail the proposed measures that can be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.

Worksheet Summary

Compliance Determination

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

While there is an Aquifer located within the service area (see Map – Tab H), the owner occupied single family housing rehabilitation program as per policy, only addresses repairs for existing homes. (See Loan Program Policy, Goal 1-2 – Tab C) Occasionally a project may include repairs to a septic system or well, however these types of repairs would only improve exiting adverse impacts. (See also “Sole Source Aquifer - No affect Determination” – Tab H)

Are formal compliance steps or mitigation required?

Yes

No

Sole Source Aquifers

No Affect Determination

The City of Florence's Responsible Entity (RE) and has made the following determination regarding the Regional Housing Rehabilitation Program of Lane County (RHRP) Florence Project #H21009 in relation to the North Florence Dunal Aquifer located within the project service area.

While the program policy does not exclude repairs for existing Septic Systems or Private Wells, the work is restricted to repairs only, thus no new construction or installation of systems. The likelihood of a project being located within or proximate to the Sole Source Aquifer is very low, however in the event that a project is located as such, and a failed Septic System is discovered, repairs to the system is viewed as a benefit to the Aquifer since effluent loss will be halted, thus preventing further potential contamination to the Aquifer. Repairs for wells may include measures to replace pump or pressure system or relining the well if it has failed, but do not include expanding or deepening the well. All work will meet all applicable local and state groundwater regulations as required by permits to be acquired by the performing contractor.

This project RE determines that these types of critical repairs not only improve the health conditions for the homeowner, but eliminates existing conditions that may contribute to contamination of the Aquifer that this activity poses no adverse effect.



Certifying Officer

January 10, 2022

Date

Joe Henry, Mayor, Responsible Entity

Name & Title