

Oregon Design Criteria Hub

The Oregon Design Criteria Hub is an interactive mapping tool that provides site-specific climatic and geographic design criteria for construction projects permitted using the **Oregon Residential Specialty Code (ORSC) and the Oregon Structural Specialty Code (OSSC)**.

For the **ORSC**, all of the following criteria is shown:

- Ground snow load
- Basic design wind speed
- Seismic Design Category
- Weathering potential
- Frost line depth
- · Decay potential
- Air freezing index

For the **OSSC**, all of the following criteria is shown:

- · Ground snow load
- · Basic design wind speed
- Seismic ground motion values



The tool was developed by Oregon State University's (OSU) Oregon Explorer Program, which is a collaboration among OSU Libraries and Press (OSULP) and the Institute for Natural Resources (INR) at OSU.

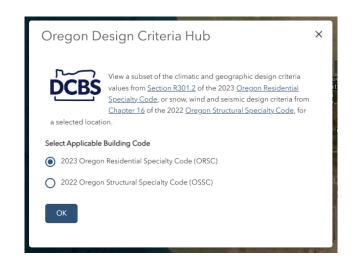
How to use the tool to generate a report

The first step is for the user to select the applicable building code. This is the code which the structure will be designed under and contains the construction requirements for the project.

The **ORSC** is typically used to design the following (including their accessory structures):

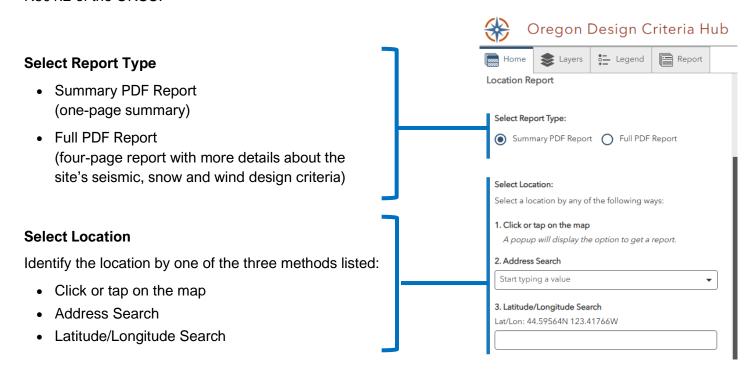
- Single family dwellings
- Two family dwellings
- Townhouses
- Attached stacked two family dwellings

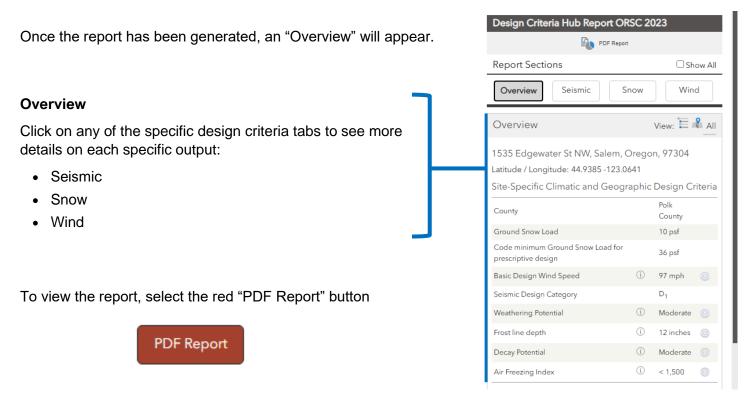
The **OSSC** is used to design most other structures.



For ORSC applicable structures

The tool generates the site-specific climatic and geographic design criteria output in accordance with Table R301.2 of the ORSC.





For OSSC applicable structures

The tool generates the site-specific climatic and geographic design criteria output based on the risk category and the site soil class of the site location.

