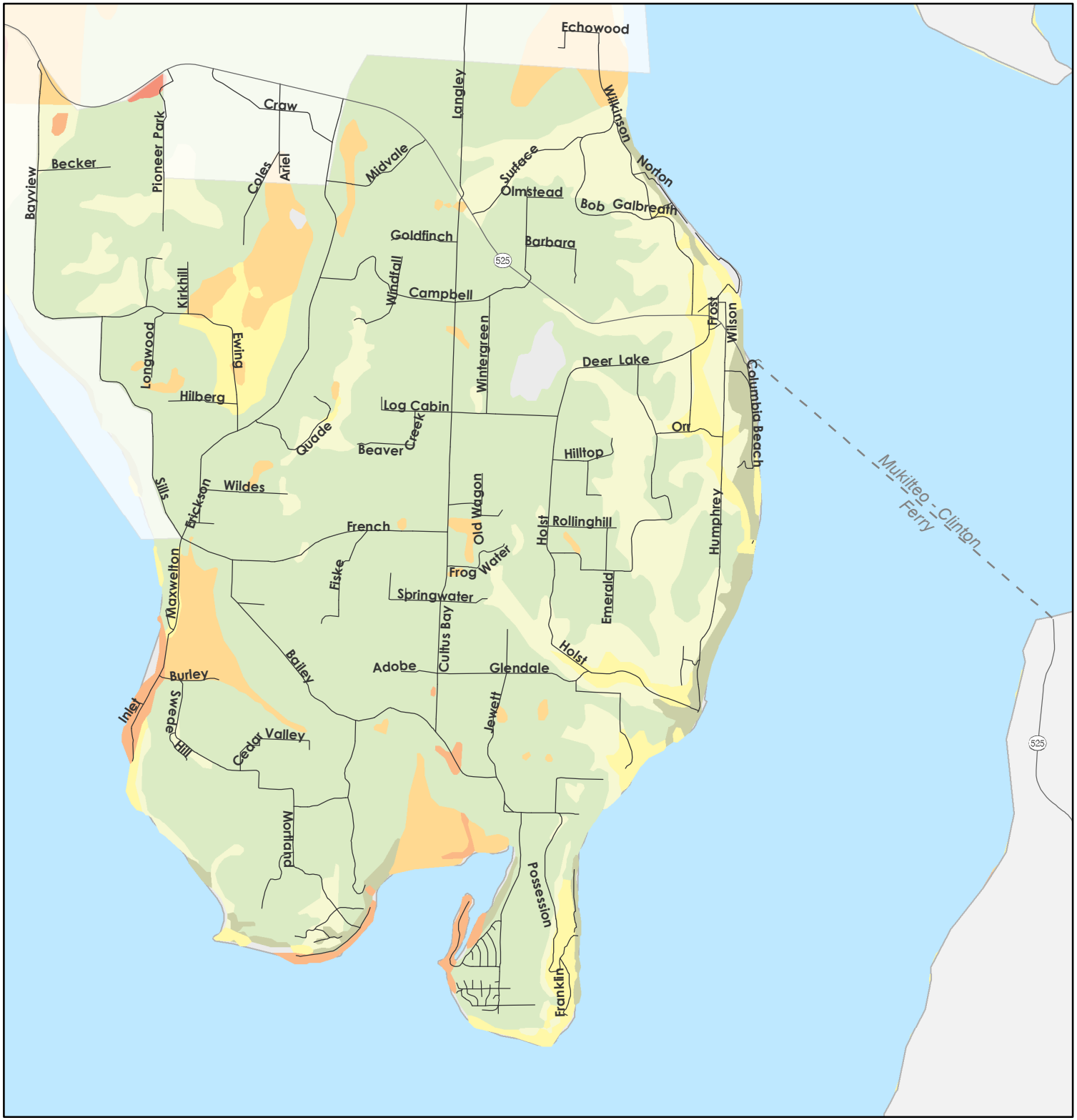

Port of South Whidbey

District #3 - Freeland

National Earthquake Hazard Reduction Program (NEHRP) Soil Classification

Increasing Amplification of Ground Shaking

B	B-C	C	C-D	D	D-E	E	F
Rock		*Very Dense Soil & Soft Rock*		*Stiff Soil*		*Soft Soil*	*Requires Site-Specific Investigation*

Soil classification data provided by the Washington State Department of Natural Resources - Division of Geology & Earth Resources. This data has been published at a scale of 1:100,000.

The dataset identifies site classes for approximately 33,000 polygons derived from the geologic map of Washington State. The methodology chosen for developing the site class map required the construction of a database of shear wave velocity measurements. This database was created by compiling shear wave velocity data from published and unpublished sources, and through the collection of a large number of shear wave velocity measurements from seismic refraction surveys conducted for this project. All of these sources of data were then analyzed using the chosen methodologies to produce the statewide site class data.

TETRA TECH

BRIDGEVIEW CONSULTING

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