

Dike District #22

Profile

Miles of Dike/Levee: 21 _____ miles
Value of Dike/Levee (at \$1,000 per foot): \$1,000,000/mile
Miles of Ditches: 100 _____ miles
Value of Ditches: 2,000,000
Number of Pumps: 4 _____
Value of Pumps: \$200,000
Number of Tide Gates: 18 _____
Value of Tide Gates: \$15,000 each
Value of Area Served: \$50,500,000

Critical Facilities (Owned by District):

1. Dikes / Levees approximate value: \$21,000,000
2. Drainage System approximate value: \$500,000

Outline of Area Served: Fir Island in Skagit County, Washington

Natural Hazard Event History

NATURAL HAZARD EVENTS (1975-PRESENT)		
Type of Event	Date	Total Public Damage
Near Flood	1975	
Flood	1990	8,000,000
Flood	1995	3,000,000

Natural Hazard Vulnerability Analysis Rating

This District is most vulnerable to the following natural hazards - ranked in order:

1. Flood
2. Earthquake /Tsunami
3. Windstorm/Severe Storm

Proposed Natural Hazard Mitigation Measures

Mitigation Measure	Lead Agency	Funding Source	Time Line
Setting back the dikes by buying out property	Commissioners	Grant funding / Tax Revenues	Ongoing / Short Term
Build dike/levee to 50 year flood level	Commissioners	Grant funding	Short Term
Increase flow capacity of both the north and south forks of the Skagit River via a setback of existing levees and/or the construction of a by-pass channel off of the north fork	Commissioners	Grant funding	Short Term
Insert keyways to stop leakage	Commissioners	Grant funding	Short Term
Widen and strengthen existing levees by installing keyways and raising roads	Commissioners	Grant funding	Short Term
Designate areas on the bay dike to level in order to allow drainage of water on the island in the event of a flood	Commissioners	Grant funding	Short Term