



City of Sedro-Woolley
Mitigation Strategies & Projects
July 31, 2003

Mitigation Strategies

Provide for an increased level of safety to the citizens of Sedro-Woolley.

- Responsible Entity – Sedro-Woolley City Council
- Funding Source – Local sources, and state and federal grants
- Timeline – Current and ongoing

Provide for an increased level of protection for public infrastructure.

- Responsible Entity – Sedro-Woolley City Council
- Funding Source – Local sources, and state and federal grants
- Timeline – Current and ongoing

Work with other neighboring jurisdictions to add additional flow capacity to the Skagit River in order to minimize catastrophic flooding losses.

- Responsible Entity – Sedro-Woolley City Council
- Funding Source – Local sources, and state and federal grants
- Timeline – Current and ongoing

Potential Mitigation Projects

FLOODING

Wastewater Treatment Plant

Construct a ring dike, flood wall or otherwise mitigate the wastewater treatment plant against a 75-year flood event or volcanic lahars.

- Responsible Entity – Sedro-Woolley Public Works Dept.
- Funding Source – Sewer funds, other local sources, and state and federal grants
- Timeline – Long term (greater than three years after funding is secured)

Relocate Public Works Shops and Offices

The Street, Parks, and Cemetery department shops and offices are located in the floodplain. These should be mitigated in place or moved out of the floodplain.

- Responsible Entity – Sedro-Woolley Public Works Dept.
- Funding Source – Local sources, and state and federal grants
- Timeline – Long term (greater than three years after funding is secured)

Purchase repetitive loss properties in the floodplain

There are several properties in the floodplain that have been repeatedly damaged by past flood events. These repetitive loss properties should be purchased and converted to open space or recreational use.

- Responsible Entity – Sedro-Woolley Planning Dept.
- Funding Source – Local sources, and state and federal grants
- Timeline – Long term (greater than three years after funding is secured)

Riverfront Park Landfill Site

Riverfront Park, located at the very southern end of the city limits, is built on top of an abandoned landfill. When flooded, this site has been known to allow garbage to enter

the floodwaters. This site should be excavated and the materials disposed of properly, or otherwise mitigated in place.

- Responsible Entity – Sedro-Woolley Public Works Dept.
- Funding Source – Local sources, and state and federal grants
- Timeline – Long term (greater than three years after funding is secured)

Brickyard Creek Flood Storage and Fish Enhancement

Brickyard Creek has had a significant amount of its floodwater storage capacity eliminated due to development. With very little storage capacity left, any discharges into the stream system immediately surge downstream. Increasing this storage capacity would help to attenuate stream discharges. The Washington State Fisheries Department has identified a potential site for additional flood storage on property south of Jones Road and west of the railroad, known as the Belles property. Transforming this site would help minimize local flooding. This enhancement project would serve multiple functions: flood storage, salmon rearing, wetlands restoration, recreation, and amenities for future adjacent commercial development.

- Responsible Entity – Sedro-Woolley Public Works Dept.
- Funding Source – Local sources, and state and federal grants
- Timeline – Long term (greater than three years after funding is secured)

Alluvial Fan Hazards

Alluvial Fans are known to exist in parts of Skagit County, but there hasn't been an alluvial fan hazard previously identified in Sedro-Woolley. A survey of possible alluvial fan hazards within the City of Sedro-Woolley by a Professional Geologist would help clarify if these hazards exist in Sedro-Woolley or not. Any such properties at risk could then be purchased as a mitigation measure to help reduce future losses.

- Responsible Entity – Sedro-Woolley Planning Dept.
- Funding Source – Local sources, and state and federal grants
- Timeline – Long term (greater than three years after funding is secured)

EARTHQUAKE

Sedro-Woolley City Hall

City Hall has had numerous studies that indicate the Sedro-Woolley City Hall would suffer significant damage in the event of an earthquake. This facility should be retrofitted, replaced, or relocated so that it can survive a 6.0 magnitude or greater earthquake event.

- Responsible Entity – Sedro-Woolley Building Dept.
- Funding Source – Local sources, and state and federal grants
- Timeline – Long term (greater than three years after funding is secured)

VOLCANO

Lahar Early Warning System

The US Geological Survey has designed a number of systems that automatically detect lahars as they descend neighboring valleys. These systems then automatically trigger various types of early warning systems, such as sirens or telephone based warning systems.

- Responsible Entity – Sedro-Woolley Fire Dept.
- Funding Source – Local sources, and state and federal grants
- Timeline – Long term (greater than three years after funding is secured)

COMMUNICATIONS

Community Early Warning System

Could be built to help provide broad community notice for evacuation in the event of flooding, Lahars, Dam Failures, etc. Such an early warning system would typically be a series of sirens that could be triggered in the event the City needed to be evacuated.

- Responsible Entity – Sedro-Woolley Fire Dept.
- Funding Source – Local sources, and state and federal grants
- Timeline – Long term (greater than three years after funding is secured)

Telephone Based Early Warning System

A computerized early warning system would automatically dial every telephone number within a specified area, and play a recorded message to whoever picked up the phone. Such a system could be very useful for a variety of natural and man made problems.

- Responsible Entity – Sedro-Woolley Fire Dept.
- Funding Source – Local sources, and state and federal grants
- Timeline – Long term (greater than three years after funding is secured)

Tone Radio Based Early Warning System

Tone Radios turn on when triggered by a central transmitter, and then information or instructions are announced over the radio. Such a system is currently used for various types of weather radios, for tornados and severe storms hazard areas. A similar system could be put into place for warning of flooding, lahars, and other related natural hazards.

- Responsible Entity – Sedro-Woolley Fire Dept.
- Funding Source – Local sources, and state and federal grants
- Timeline – Long term (greater than three years after funding is secured)

Earthquake Early Warning System

Such a system could warn residence of an impending earthquake. Technology doesn't currently exist for such a system, but will likely be possible in the future.

- Responsible Entity – Sedro-Woolley Fire Dept.
- Funding Source – Local sources, and state and federal grants
- Timeline – Long term (greater than three years after funding is secured)