

**Tumwater School District’s Annex
to the Natural Hazards Mitigation
Plan for the Thurston Region**

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TUMWATER SCHOOL DISTRICT NO. 33

621 Linwood Avenue SW Tumwater, WA 98512-6847
(360) 709-7000 Fax (360) 709-7002
www.tumwater.k12.wa.us

Terry L. Borden
Superintendent

RESOLUTION NO. 10-09-10

A RESOLUTION ADOPTING THE THURSTON REGION NATURAL HAZARDS MITIGATION PLAN

Student Learning:
(360) 709-7030
Business:
(360) 709-7010
Personnel:
(360) 709-7020
Special Services:
(360) 709-7040
Capital Projects:
(360) 709-7005

WHEREAS, the Tumwater School District has participated the Thurston Region's Natural Hazard Mitigation Plan Work Group; and

WHEREAS, the District supports the efforts to identify and mitigate natural hazards in the Thurston Region; and

WHEREAS, the School Board reviewed the Tumwater School District's Annex and it's two natural hazard mitigation priorities for the District on November 12, 2009; and

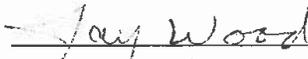
WHEREAS, the Thurston Region plan has now received approval from Federal Emergency Management Administration (FEMA) Region X; and

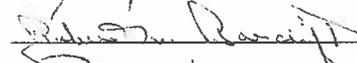
WHEREAS, the District supports the procedural requirements of the plan and agrees to cooperate in the region-wide activities identified in the plan;

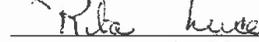
NOW, THEREFORE BE IT RESOLVED by the Board of Directors of Tumwater School District No. 33, Thurston County, Washington, hereby adopts the Natural Hazards Mitigation Plan for the Thurston Region as approved in November 2009 and the annex applying to Tumwater School District, all governmental entities and to county-wide activities.

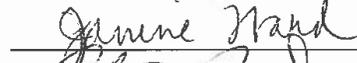
ADOPTED this 10th day of December 2009.

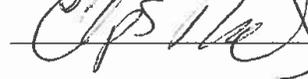
Board of Directors
Tumwater School District No. 33
Thurston County, Washington











ATTEST:



Secretary, Board of Directors

BOARD OF DIRECTORS

BOB BARCLIFT RITA LUCE CHRIS REYKDAL JANINE WARD JAY WOOD

"Continuous Student Learning in a Caring Environment"

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School District Profile

Tumwater School District

(360)709-7000

www.tumwater.k12.wa.us

Governance: Five Board of Directors; each representing a director district; each is elected to a four year term

Demographics

District Size (square miles):	115.4
Population, 2000:	31,110
Population, 2008:	36,210
Population, 2030:	57,290
Student Body Growth 2000-2008	0.7%
Students Per Classroom Teacher	17

Mission

The mission of the Tumwater School District is to provide
“Continuous Student Learning in a Caring Environment”

Vision

The Tumwater School District is a leader of excellence
in student learning, working to prepare each student for a
successful future.

Ethnicity (October 2007):

American Indian/Alaskan Native	2.0%
Asian	3.8%
Pacific Islander	3.8%
Black	2.6%
Hispanic	4.2%
White	86.6%

Special Programs (October 2007):

Transitional Bilingual	1.1%
Special Education	13.5%
Free or Reduced Price Meals	25.9%

Enrollment

2007-08 School Year:	Number	Students	Faculty	Staff
Administration/Service Center				118
High Schools	3	2216	137	65
Middle Schools	2	932	62	34
Elementary Schools	6	3071	242	130
Other Schools	2	120	17	21
Total	13	6339	458	368

Financial

Assets (2008):

Valuation of Infrastructure	\$185,072,283.00
Valuation of Contents	\$23,840,646.00
Total	\$208,912,929.00

Revenues (2006-07):

	Per Student Amounts	
State	\$6.094	74%
Federal	\$442	5%
Local Tax	\$1,319	16%
Other Sources	\$372	5%
Total	\$8,228	100%

Expenditures (2006-07):

	Per Student Amounts	
Central Administration	\$483	6%
Building Administration	\$563	7%
Maintenance and Operations	\$725	9%
Food Services	\$236	3%
Transportation Services	\$304	4%
Teaching	\$5,756	70%
Other	\$118	1%
Total	\$8,186	100%

Sources:

Washington State Superintendent of Public Instruction
Thurston Regional Planning Council

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Tumwater School District Plan Development Process

Hazard Mitigation Plan Development Team

The following staff served as the Tumwater School District's hazards mitigation planning development team:

Department/Title	Representative(s)
Supervisor of Construction & Capital Projects	Mel Murray
District Safety Committee	
A.G. West Black Hills High School	Chris Cain
Black Lake Elementary	Paul Mueller
Supervisor, Buildings and Grounds	Butch Sweet
District Office	Allen Jones
District Office	Tami Collins
East Olympia Elementary	Dave Haeger
Food Services	Bob Gibson
Bush Middle School	Shawn Guthrie
Health Services	Linda Freeman
Littlerock Elementary	Debra Brown
Maintenance	Jim Barr, Chairperson
Michael T. Simmons Elementary	Jim Hopson
New Market Vocational Skills Center	Harold Banning
Peter G. Schmidt Elementary	Katie Gates
Transportation	John Clark
Transportation	Barb Luvaas
Tumwater Education Association	Tim Voie
Tumwater High School	Brian Hardcastle/Gary Jacobson
Tumwater Hill Elementary	Vacant
Tumwater Middle School	Cathy McNamara/Barb Johnson
Director, Human Resources	Bob Kuehl
ESD 113, Workers Compensation	Bob Pierce
TEA	Katie Gates

Hazard Mitigation Plan Development

The following activities supported the development of Tumwater School District's local hazard mitigation planning process:

Date	Location	Activity	Subject
May 28, 2009	Horizons Intermediate School, Lacey	Meeting with Paul Brewster	School Districts' Hazards Mitigation Plans
July 15, 2009	District Office	Work Session	Risk Assessment and Hazards Mitigation plans
August 19, 2009	District Office	Superintendent review	Review of the Natural Hazards Mitigation Plan for the Thurston region and The TSD Annex
TBA	District Office	District safety Committee meeting	Presentation and review of the Natural Hazards Mitigation Plan for the Thurston region and The TSD Annex
September 24, 2009	MT Simmons Elementary School	School Board Presentation	Presentation of the Natural Hazards Mitigation Plan for the Thurston region and The TSD Annex
TBA	TBA	School Board Plan Adoption	Adoption of the Natural Hazards Mitigation Plan for the Thurston region and The TSD Annex

Mitigation Initiative Prioritization Process

Tumwater School District staff reviewed all adopted mitigation initiatives. No new initiatives were identified during the plan update process. One initiative was completed and another was removed. The current prioritization order reflects the remaining initiatives' ranking, as elevated to the next position, from their original order.

Tumwater School District Risk Assessment

Introduction

The risk assessment provides information about the hazards that threaten Tumwater School District. This information provides the factual basis to identify and support a strategy that can effectively mitigate the effects of the hazards that threaten this jurisdiction's safety and challenge its ability to perform essential functions.

The content and structure of this plan's risk assessment was developed using the Federal Emergency Management Agency's (FEMA) 2008 "Local Multi-Hazard Mitigation Planning Guidance." Table 1 shows the Disaster Mitigation Act (DMA) Risk Assessment Planning Requirements that must be met in order for this plan to receive a "satisfactory" score. Each of these planning requirements is met through the information contained in both the regional risk assessment and in this local annex.

Table 1: Disaster Mitigation Act Risk Assessment Planning Requirements

DMA Section	Requirement
§201.6(c)(2)(i):	[The risk assessment shall include a] description of the type ... of all natural hazards that can affect the jurisdiction ...
§201.6(c)(2)(i):	[The risk assessment shall include a] description of the ... location and extent of all natural hazards that can affect the jurisdiction. The plan shall include information on previous occurrences of hazard events and on the probability of future hazard events.
§201.6(c)(2)(ii):	[The risk assessment shall include a] description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section. This description shall include an overall summary of each hazard and its impact on the community.
§201.6(c)(2)(ii):	[The risk assessment in all] plans approved after October 1, 2008 must also address National Flood Insurance Program (NFIP) insured structures that have been repetitively damaged by floods.
§201.6(c)(2)(ii)(A):	The plan should describe vulnerability in terms of the types and numbers of existing and future buildings, infrastructure, and critical facilities located in the identified hazard areas ...
§201.6(c)(2)(ii)(B):	[The plan should describe vulnerability in terms of an] estimate of the potential dollar losses to vulnerable structures identified in paragraph (c)(2)(ii)(A) of this section and a description of the methodology used to prepare the estimate ...
§201.6(c)(2)(ii)(C):	[The plan should describe vulnerability in terms of] providing a general description of land uses and development trends within the community so that mitigation options can be considered in future land use decisions.
§201.6(c)(2)(iii):	For multi-jurisdictional plans, the risk assessment must assess each jurisdiction's risks where they vary from the risks facing the entire planning area.

In general the Federal DMA planning requirements with the words "**shall**" and "**must**" indicate that the item is mandatory and must be included in the plan, otherwise it will not be approved by FEMA. Regulations with the word "**should**" indicate that the item is strongly recommended to be included in the plan, but its absence will not cause FEMA to disapprove the plan.

Hazard Analysis Definitions

The adjective descriptors (High, Moderate, and Low) for each hazard's probability of occurrence, vulnerability, and risk rating are consistent with the terms used in the regional assessment.

The following terms are used in this plan to analyze and summarize the risk of the hazards that threaten this jurisdiction:

Risk Rating:

An adjective description (High, Moderate, or Low) of the overall threat posed by a hazard is assessed for the next 25 years. Risk is the subjective estimate of the combination of any given hazard's probability of occurrence and vulnerability.

- High: There is strong potential for a disaster of major proportions during the next 25 years; or History suggests the occurrence of multiple disasters of moderate proportions during the next 25 years.
- Moderate: There is medium potential for a disaster of less than major proportions during the next 25 years.
- Low: There is little potential for a disaster during the next 25 years.

Probability of Occurrence:

An adjective description (High, Medium, or Low) of the probability of a hazard impacting the jurisdiction within the next 25 years.

- High: There is great likelihood that a hazardous event will occur within the next 25 years.
- Moderate: There is medium likelihood that a hazardous event will occur within the next 25 years.
- Low: There is little likelihood that a hazardous event will occur within the next 25 years.

Vulnerability:

Vulnerability can be expressed as combination of the severity of a natural hazard's effect and its consequential impacts to the community. An adjective description (High, Medium, or Low) of the potential impact a hazard could have on the community. It considers the population, property, commerce, infrastructure and services at risk relative to the entire jurisdiction.

- High: The total population, property, commerce, infrastructure and services of the community are uniformly exposed to the effects of a hazard of potentially great magnitude. In a worst case scenario, there could be a disaster of major to catastrophic proportions.
- Moderate: The total population, property, commerce, infrastructure, and services of the

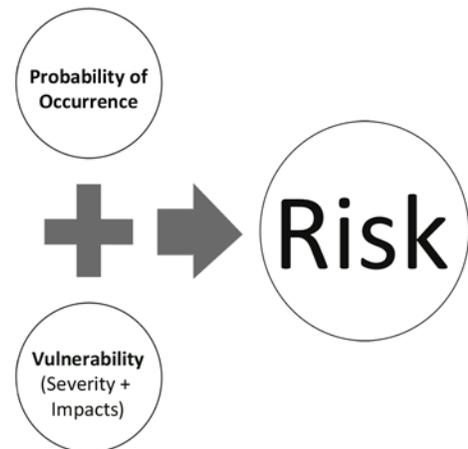


Figure 1: Risk is a subjective estimate of the combination of a hazard's probability of occurrence and a community's vulnerability.

community are exposed to the effects of a hazard of moderate influence; or the total population, property, commerce, infrastructure, and services of the community are exposed to the effects of a hazard of moderate influence, but not all to the same degree; or an important segment of population, property, commerce, infrastructure and services of the community are exposed to the effects of a hazard. In a worst case scenario there could be a disaster of moderate to major, though not catastrophic, proportions.

- **Low:** A limited area or segment of population, property, commerce, infrastructure, or service is exposed to the effects of a hazard. In a worst case scenario, there could be a disaster of minor to moderate proportions.

Summary Risk Assessment

Based on the regional risk assessment and the local risk assessment in the subsequent section, the following hazards pose the greatest threat to the Tumwater School District.

Hazard	Probability of Occurrence	Vulnerability	Risk
Earthquake	High	High	High
Storm	High	High	High
Flood	High	Low	Moderate
Landslide	Moderate	Low	Low
Wildland Fire	Moderate	Low	Low
Volcanic Event	Low	Low	Low

Local Risk Assessment

A comprehensive risk assessment of the major natural hazards that threaten Tumwater School District was developed for this plan through the regional risk assessment process described in Chapter 4.0. The regional risk assessment and its hazard profiles serve as the foundation for this jurisdiction's risk assessment. A list of all of the potential natural hazards that could impact this jurisdiction is located in Chapter 4. Chapter 4 includes six natural hazard profiles for earthquake, storm, flood, landslide, wildland fire, and volcanic events. Each profile defines the hazard and describes its effects, severity, impacts, probability of occurrence, and historical occurrences. The regional profiles describe this jurisdiction's local vulnerabilities in terms of the portion of the jurisdiction's land base or service area, population, employment, dwelling units, jurisdiction-owned assets, and critical facilities that are within each hazard zone.

This section of the plan provides additional details or explains differences where this jurisdiction's risks for each hazard vary from the risks facing the entire planning area. Maps of the hazards that affect Tumwater School District are scaled to local boundaries and are included in this section.

Earthquake

Severity

The severity of an earthquake affecting Tumwater School District is the same as all of Thurston County, and depends on the type of quake (shallow, subduction or deep) and its location. The most recent earthquake was a deep type that measured 6.8 on the Richter Scale in 2001 whose center was near the mouth of the Nisqually River.

Impacts

Major earthquakes have the capability of causing structural damage to buildings in the Tumwater School District. Utilities would likely be disrupted as well. Transportation of students after a seismic event during the school day may also be a challenge. Most of the District facilities are of recent construction and can be expected to survive all but the strongest quakes with minimal damage.

Probability of Occurrence

Past events suggest a destructive quake recurs about every 26 years. Therefore the overall probability of a damaging quake is considered high.

Historical Occurrences and Impacts Specific to this Jurisdiction

The February 28, 2001, magnitude 6.8 earthquake damaged every building in the district to some extent. The worst damage came from a broken fire sprinkler pipe that flooded the Tumwater High School Performing Arts Center. Cracks in walls and floors, suspended ceiling collapse, and delamination of glue-laminated beams were common. The specific vulnerability of the Multi-purpose Building at Littlerock Elementary to roof and wall collapse was discovered during post-quake inspections and mitigated with FEMA mitigation grant money in 2004.

Summary Assessment

There is a high probability of an earthquake equal to or stronger than the 2001 quake. The impacts of a major quake could cause all or some schools to be closed for a short duration, or even permanently if severe damage occurs, therefore the vulnerability is also high. The result is a high risk for earthquakes in Tumwater School District.

Summary Risk Assessment for Earthquake in Tumwater School District

Probability of Occurrence	Vulnerability	Risk
High	High	High

Storm

Severity

Storms are the most frequent source of natural disasters for the Tumwater School District. The types of storms include: high winds, heavy rain, snow, freezing rain, hail and lightning. Each poses threats for the District.

Impacts

High winds have the potential to damage buildings directly and with debris, cause utility outages and block roads.

Heavy rain causes flooding over many areas of the District. This impacts transportation and pedestrian access to buildings. Localized erosion can occur. Groundwater is near the surface in many areas of the District and heavy rains result in groundwater flooding.

Heavy snow can cause structural damage, transportation delays and pedestrian access problems at schools. Heavy snow is the most frequent cause of school delays and closures.

Freezing rain can produce the same effects to the District as heavy snow.

Hail and lightning can be destructive in very localized areas.

Probability of Occurrence

High winds, heavy rains, and heavy snow have a high probability of occurrence. Freezing rain, hail and lightning have a low probability of occurrence.

Historical Occurrences and Impacts Specific to this Jurisdiction

Heavy rains and high winds have occurred almost yearly. Rains typically do not cause school closures, but because of the flooding and ponding of water on roofs, the heavy rains impact the normal operation of schools. High winds have caused school closures, usually due to wide-spread power outages and roads blocked with debris.

Snowfall until recently has been light and infrequent, but the past winter saw the return of normal snowfall, which forced school to be closed for three days and delayed on several others. Costs to repair roof damage caused by heavy snow in the Winter of 2008-09 approached \$100,000.

Summary Assessment

Regional storms have a high rate of occurrence and historically cause damage resulting in school disruption and high repair costs. The Tumwater School District is highly vulnerable to storm events; therefore the overall risk rating is high.

Summary Risk Assessment for Storm in Tumwater School District

Probability of Occurrence	Vulnerability	Risk
High	High	High

Flood

Severity

There are four types of flooding: riverine, groundwater, tidal, and urban. The primary risks of flooding in the Tumwater School District is due to groundwater or urban flooding. There is also some risk with riverine flooding.

Impacts

No District facilities are located within designated floodplains. However, several are within areas where groundwater flooding is a risk. Groundwater and urban flooding make access to schools buildings problematic and can make parking and athletic fields unusable. Transportation can be challenged by the three types of flooding affecting the District.

Probability of Occurrence

Parts of the District are in areas that have known shallow groundwater tables. These can be expected to flood to some extent yearly between November and March.

Historical Occurrences and Impacts Specific to this Jurisdiction

Flooding events in 1996 and 1999 had impacts on the use of District facilities and fields for extended periods of time. In addition transportation routes have been adjusted to avoid low areas that are flooded for extended periods of time. In 2006, 2008, and 2009, heavy rain caused groundwater and urban flooding that caused some school activities to be relocated until the water receded. Actual damage to buildings or site improvements has been minimal.

Summary Assessment

The almost yearly occurrence of groundwater flooding is high, but actual damages have been low. This results in an overall risk for flooding that is moderate.

Summary Risk Assessment for Flood in Tumwater School District

Probability of Occurrence	Vulnerability	Risk
High	Low	Moderate

Landslide

Severity

In the Tumwater School District there are areas with slopes in excess of 40%. These are mainly in the west and north areas of the District. The slopes in the west are almost entirely in the Capitol State Forest and uninhabited with no District facilities or residents. The north areas are mainly Bush Mountain and Tumwater Hill.

Impacts

The District has an elementary school on the top of Tumwater Hill that could be impacted by a landslide, either on the slopes around the school itself or to the roads that access the school. Additionally transportation elsewhere in the District could be impacted by landslides.

Probability of Occurrence

Based on historical precedent, landslides are concurrent with either winter storms or earthquakes in Thurston County and Tumwater School District. The probability of occurrence is moderate.

Historical Occurrences and Impacts Specific to this Jurisdiction

Landslides have not presented a significant impact to District facilities or services. Tumwater Hill Elementary could be at some risk, but because construction of the school and housing on the hill required extensive use of explosives in order to remove rock for level building sites, the hill is deemed to be relatively stable.

Summary Assessment

The risk of landslides in the District is low.

Summary Risk Assessment for Landslide in Tumwater School District

Probability of Occurrence	Vulnerability	Risk
Moderate	Low	Low

Wildland Fire

Severity

Factors that make up wildfires include fuel, weather and terrain. The severity is influenced by soil conditions, slopes, type and moisture content vegetation, accessibility of fire suppression resources, and size when discovered. Due to residential development, there has been a reduction in wildlands and quicker reporting and response time to fires. Along with better suppression methods and equipment, this has lessened the risk to Tumwater School District facilities.

Impacts

Nearly a quarter of the District land area lies within a wildland fire area. However most of this land area is Capitol State Forest land that is uninhabited. No District facilities are within a fire risk area.

Probability of Occurrence

There is a high probability of occurrence within the District, but there is a low probability of a wildfire affecting District facilities or services.

Historical Occurrences and Impacts Specific to this Jurisdiction

Most fires in the District occur either in the Capitol State Forest or in or next to the Interstate 5 right-of-way. Neither have impacted school facilities or services.

Summary Assessment

While wildland fires have a high probability of occurring, the vulnerability and risk are low.

Summary Risk Assessment for Wildland Fire in Tumwater School District

Probability of Occurrence	Vulnerability	Risk
Moderate	Low	Low

Volcanic Hazards

Severity

The most likely hazard to Tumwater School District from volcanoes are tephra (dust and rock fragments); there is no risk to the District from a lahar (debris and mudflow).

Impacts

Ashfall could cause a reduction in transportation or cancellation of school, depending on the amount. Large amounts of ash in conjunction with rain could cause structural problems with roofs. Clean-up costs would likely be high.

Probability of Occurrence

Due to the prevailing winds, it is most likely that any ash would be blown to the east, away from the District.

Historical Occurrences and Impacts Specific to this Jurisdiction

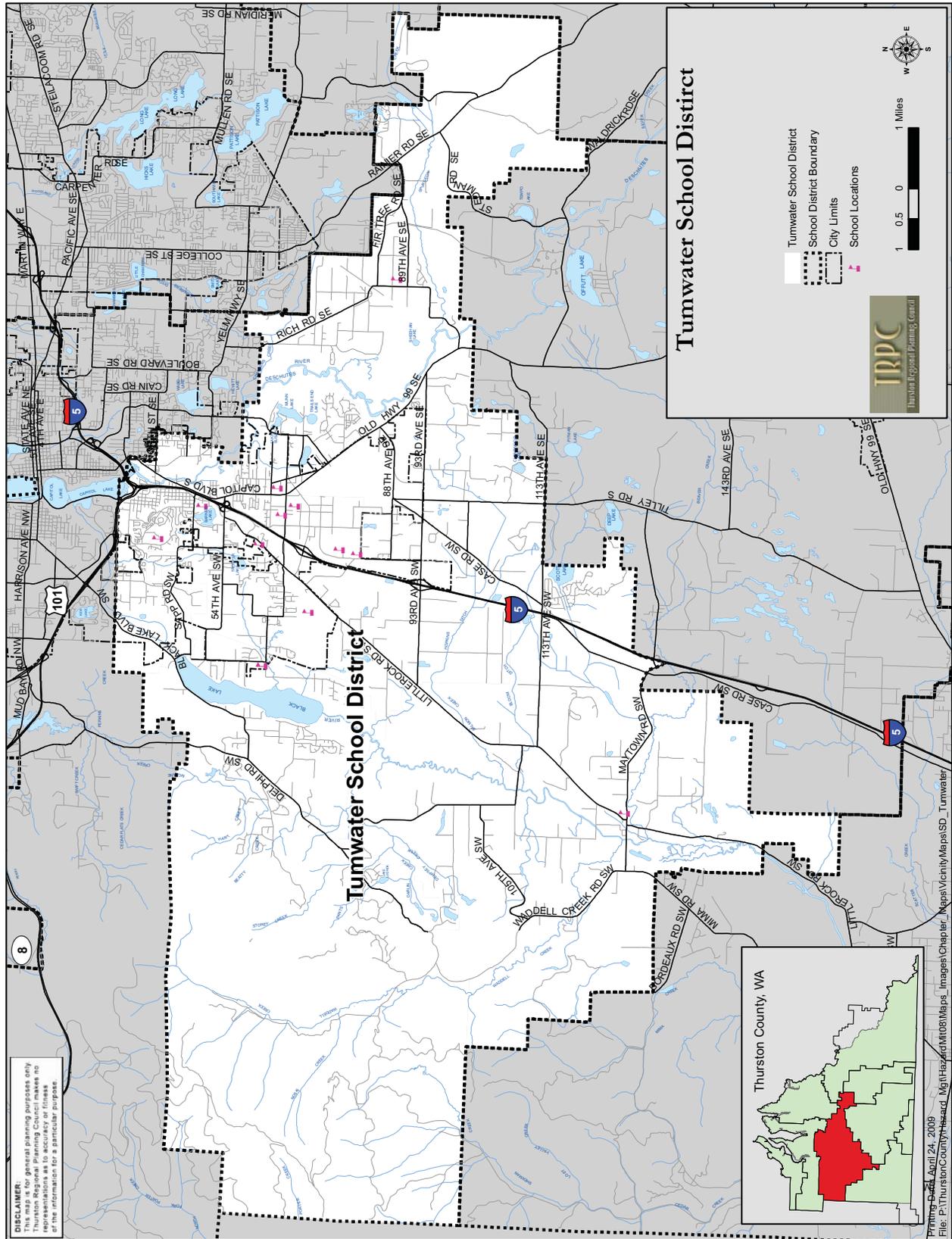
The only historical occurrence was the 1980 eruption of Mt. St. Helens which resulted in a trace layer of ash. No impacts from this have been recorded.

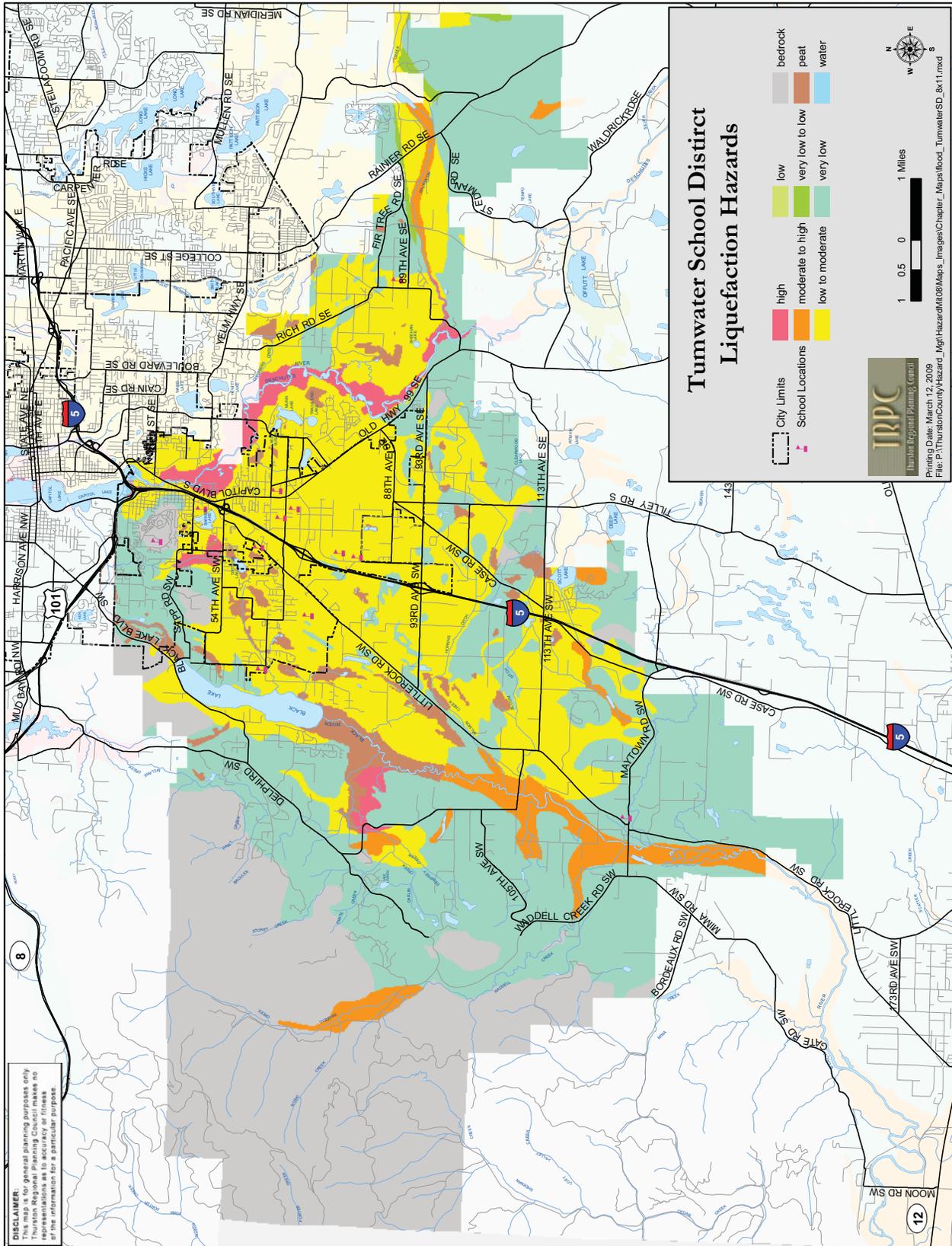
Summary Assessment

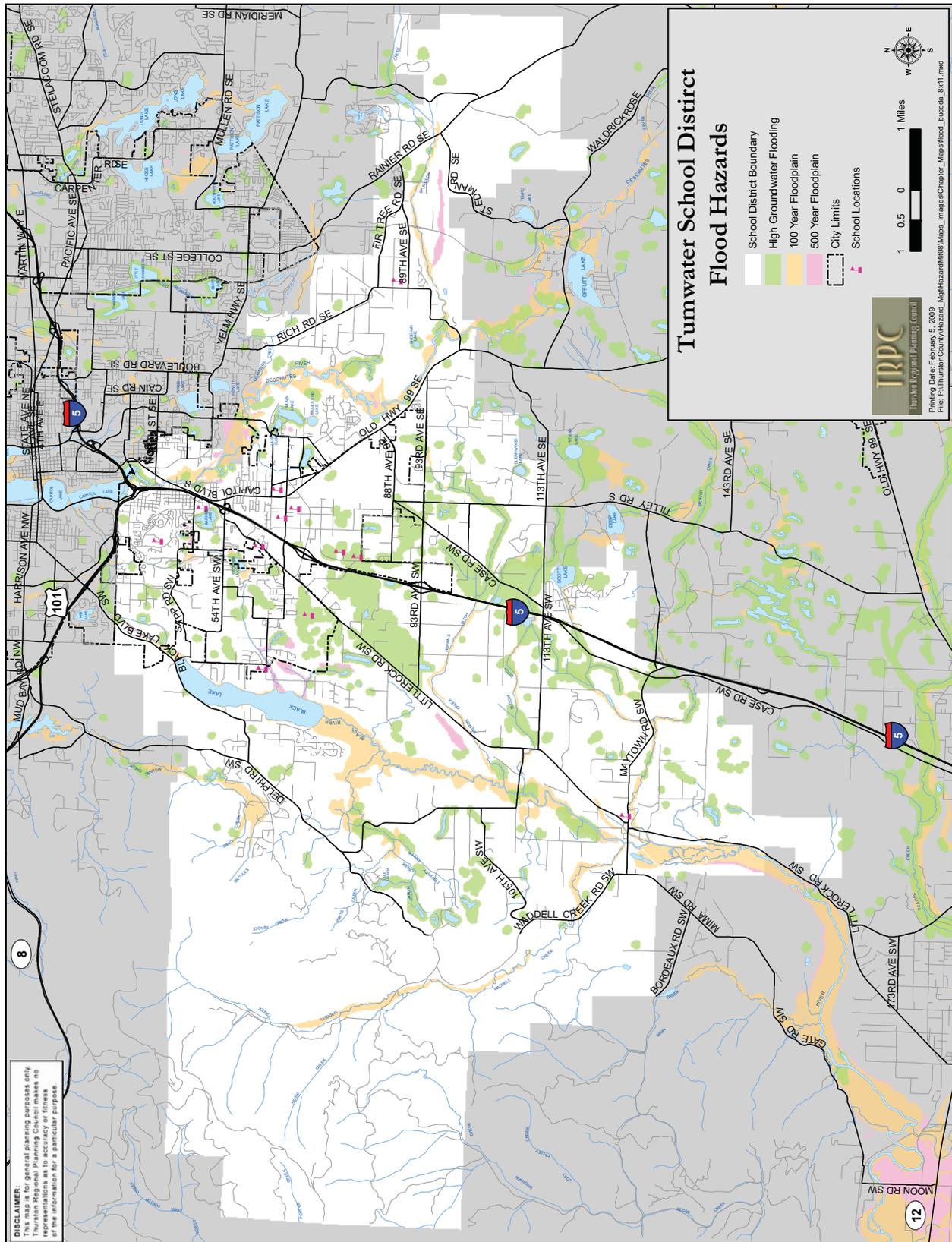
Under certain conditions, the District could be impacted by ashfall. The probability and vulnerability to this are considered low, therefore the risk is also deemed to be low.

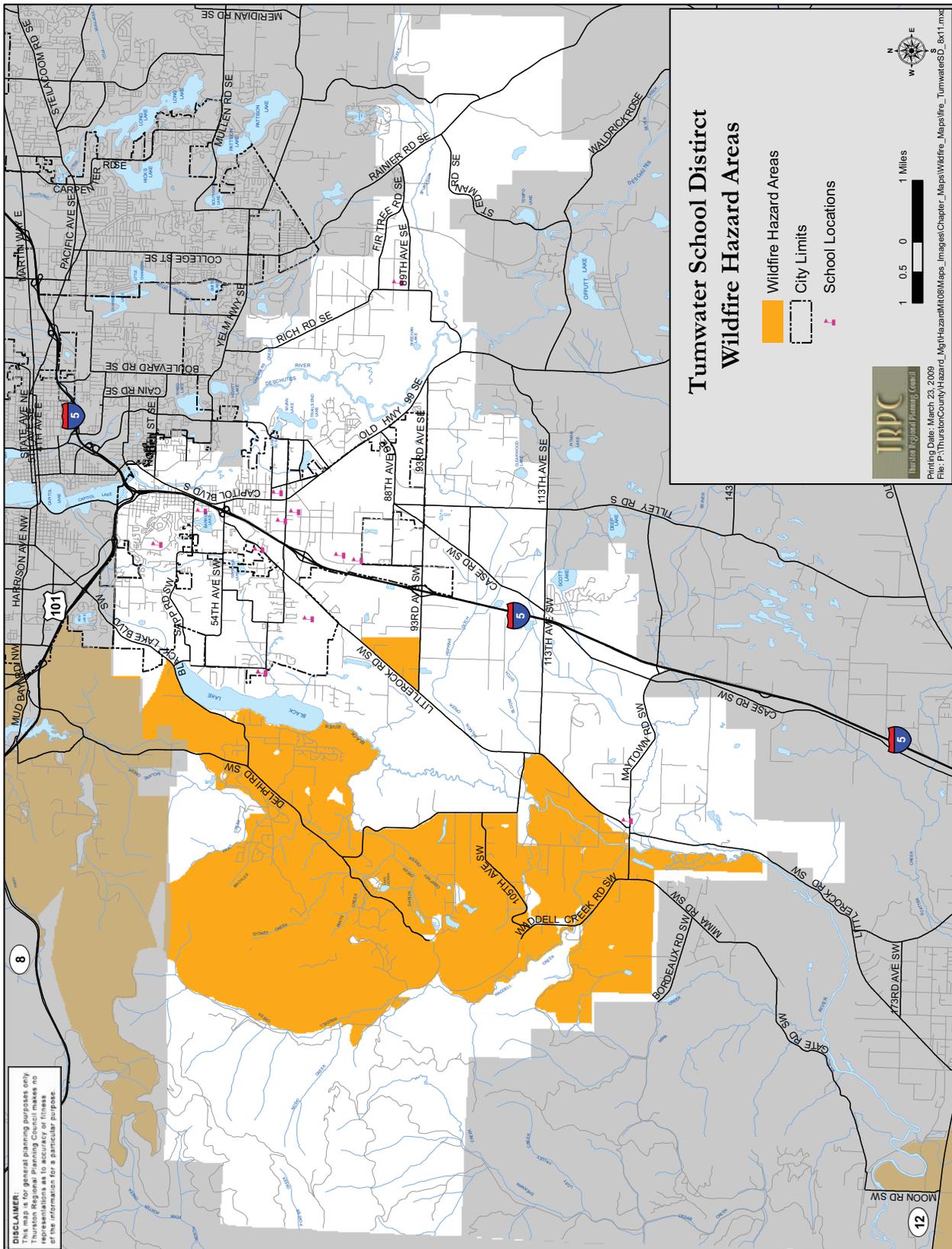
Summary Risk Assessment for Volcanic Events in Tumwater School District

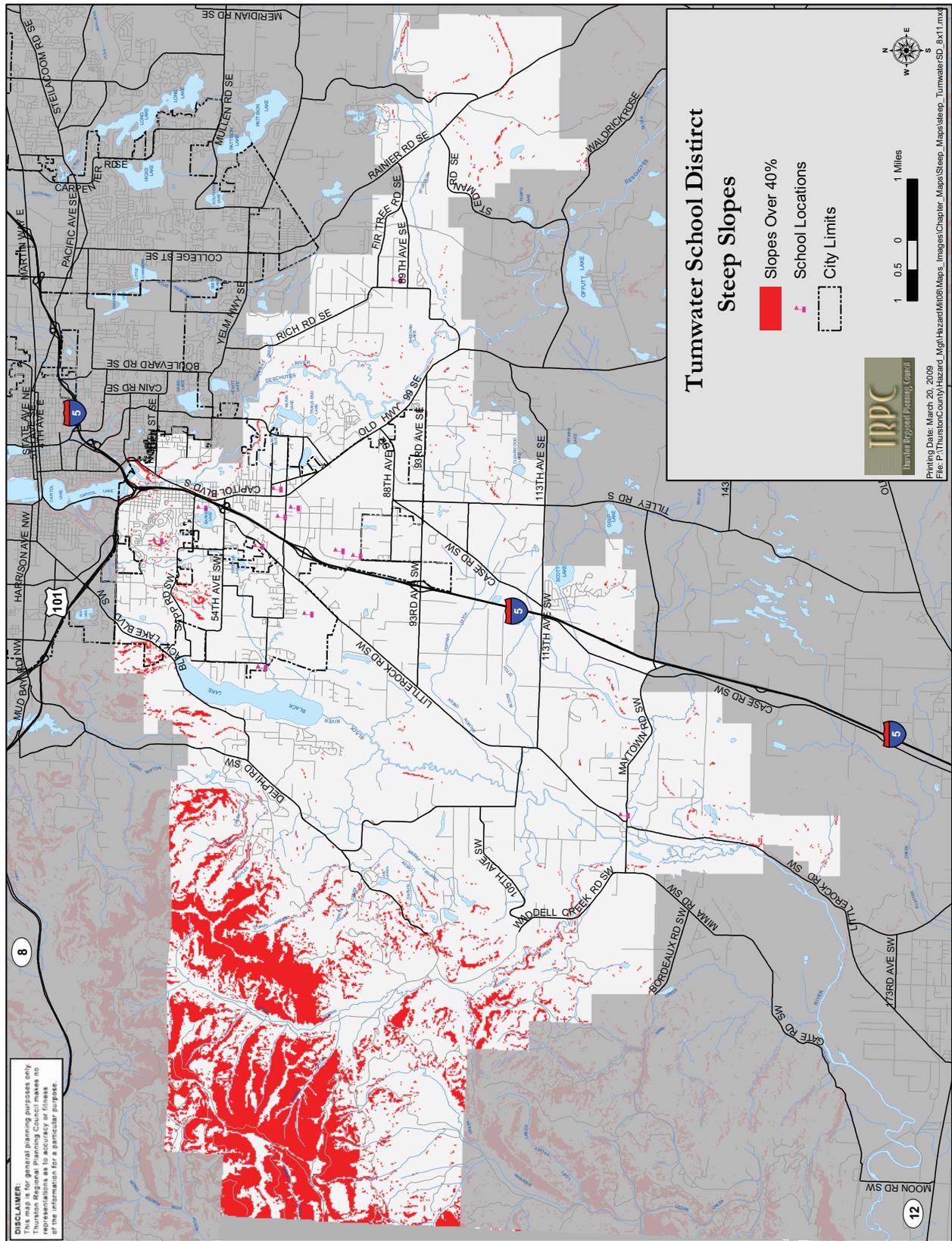
Probability of Occurrence	Vulnerability	Risk
Low	Low	Low











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Tumwater School District Mitigation Initiatives

Current Adopted Mitigation Initiatives

Current Mitigation Initiatives consist of existing initiatives that were carried over in their original form from the first edition of this plan or other plans, or modified from their original form to reflect present needs. No new initiatives were identified during the plan update process

Priority	I.D. Number	Category	Action	Status
1 of 2	TUMSD-EH 1	Critical Facilities Replacement/Retrofit	Identify seismic requirements and bring buildings up to current adopted building codes at the time school buildings are remodeled.	Existing
2 of 2	TUMSD-MH 2	Hazard Preparedness	Adopt procedures for reporting and responding to road closures	Existing

Hazard Category Codes are as follows: EH=Earthquake Hazard; FH=Flood Hazard; LH=Landslide Hazard; MH=Multi Hazard; SH=Storm Hazard; WH=Wildland Fire Hazard; and VH=Volcanic Hazard.

Completed or Removed Mitigation Initiatives

Initiatives that were completed in the last five years are included in this plan to provide evidence of progress made. These initiatives are no longer relevant and no longer part of Tumwater School District's adopted mitigation strategy. These initiatives are not ranked as they are no longer relevant.

I.D. Number	Category	Action	Status
TUMSD-MH 3	Hazard Preparedness	Install safety supply sheds outside all school district facilities. Safety sheds would be used for storing disaster relief, health and safety supplies to be used in the event of emergencies including those requiring evacuation of buildings.	Completed
TUMSD-MH 1	Critical Facilities Replacement/Retrofit	Apply for U.S. Department of Education grant to help Tumwater School District plan for emergencies	Completed

Hazard Category Codes are as follows: EH=Earthquake Hazard; FH=Flood Hazard; LH=Landslide Hazard; MH=Multi Hazard; SH=Storm Hazard; WH=Wildland Fire Hazard; and VH=Volcanic Hazard.

Priority: 1 of 2**Status: Existing****Hazard Addressed: Earthquake Hazard****Category: Critical Facilities Replacement/Retrofit****TUMSD-EH 1: Identify seismic requirements and bring buildings up to current adopted building codes at the time school buildings are remodeled.****Rationale:** Structural components and systems in older buildings may fail in an earthquake, endangering lives and disrupting educational services.**Relates to Plan Goal(s) and Objectives: 4C****Implementer:** Construction and Capital Projects Department**Estimated Cost:** Costs are unknown and will be determined by detailed inspections of the affected facilities and along with recommended upgrades.**Time Period:** 2016**Funding Source:** New bond funding combined with State construction assistance grants.**Source and Date:** Tumwater School District 6-Year Capital Facilities Plan and Natural Hazards Mitigation Plan for the Thurston Region (2003)**Adopted Plan Number:** TUMSD-EH 1**Reference Page:** V-267**Initiative and Implementation Status:** This initiative was ranked 1 of 4 in the previous plan. The Tumwater School District recently remodeled eight district facilities, bringing them up to current seismic codes. These projects were funded through the last bond approval by voters in 2003. The planning for the next bond issue includes remodeling and updating four additional facilities.

Priority: 2 of 2**Status: Existing****Hazard Addressed: Multi Hazard****Category: Hazard Preparedness****TUMSD-MH 2: Adopt procedures for reporting and responding to road closures.**

Rationale: School buses run over most of the roads in the Tumwater School District. The district plans alternate routes in the event of road closures and other disruptions. All buses carry two-way radios that can be used to communicate with the district's pupil transportation office. Bus drivers can assist in identifying and communicating to traffic disruptions caused by natural disasters. This is already being done to some degree. The goal of this initiative is to make the process more systematic and reliable.

A procedure is needed for school district bus drivers to report and respond to road closures in the event of flooding, landslide, blown down trees or power lines, and other traffic obstructions caused by natural disasters. These procedures would inform local governments of traffic obstructions and alternate routes used by bus drivers.

Relates to Plan Goal(s) and Objectives: 3D**Implementer:** Tumwater School District Transportation Department**Estimated Cost:** Unknown**Time Period:** 2012.**Funding Source:** General Operations Funds**Source and Date:** Natural Hazards Mitigation Plan for the Thurston Region (2003)**Adopted Plan Number:** TUMSD-MH 2**Reference Page:** V-271

Initiative and Implementation Status: This initiative was ranked 4 of 4 in the previous plan. This task is on-going.

Priority: N/A**Status: Completed****Hazard Addressed: Multi Hazard****Category: Hazard Preparedness**

TUMSD-MH 3: Install safety supply sheds outside all school district facilities. Safety sheds would be used for storing disaster relief, health and safety supplies to be used in the event of emergencies including those requiring evacuation of buildings.

Rationale: Currently, most school buildings store emergency safety supplies in barrels inside the building. Barrels contain medical supplies, emergency equipment and supplies, rosters of building occupants, etc. In the event of emergency evacuation of the building, supplies must be wheeled outside. Providing a freestanding storage unit away from the building will ensure that emergency supplies are accessible in the event of building evacuation. The larger storage unit will also increase the volume and variety of storage items.

Relates to Plan Goal(s) and Objectives: 4D**Implementer:** Capital Projects Staff**Estimated Cost:** \$56,000 (actual)**Time Period:** Completed in 2004**Funding Source:** Capital Projects funds**Source and Date:** Natural Hazards Mitigation Plan for the Thurston Region (2003)**Adopted Plan Number:** TUMSD-MH 3**Reference Page:** V-273

Initiative and Implementation Status: This initiative was ranked 3 of 4 in the previous plan. This initiative was completed.

Priority: N/A**Status: Removed****Hazard Addressed: Multi Hazard****Category: Hazard Preparedness****TUMSD-MH 1: Apply for U.S. Department of Education grant to help Tumwater School District plan for emergencies.**

Rationale: In the spring of 2003 the Department of Education will make \$30 million available to help school districts improve emergency response and crisis management plans. Funds can be used to train school personnel, parents and students in crisis response; coordinate with local emergency responders including fire and police; purchase equipment; and coordinate with organizations responsible for recovery issues. Grant funding would make it possible for Tumwater School District to review and update current disaster response procedures.

Relates to Plan Goal(s) and Objectives: 4A**Implementer:** Tumwater School District Financial Services**Estimated Cost:** Unknown**Time Period:** Grant application 2003**Funding Source:** U.S. Dept. of Education**Source and Date:** Natural Hazards Mitigation Plan for the Thurston Region (2003)**Adopted Plan Number:** TUMSD-MH 1**Reference Page:** V-269**Initiative and Implementation Status:** Grant application made; grant moneys not awarded to Tumwater School District.

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