

**TOWN OF LYMAN ACTION PLAN FOR NATURAL HAZARD REDUCTION -  
SELECTION OF APPROPRIATE ACTIVITIES – SHORT TERM UP TO 3 YEARS  
AFTER FUNDING; LONG TERM MORE THAN 3 YEARS AFTER FUNDING**

- 1. Preventive activities, such as zoning, stormwater management regulations, building codes, and preservation of open space and the effectiveness of current regulatory and preventive standards and programs;**

ACTIVITY	STAFF ASSIGNMENT & SCHEDULE	FINANCING PLAN
<i>Earthquake, Severe Storm, Fire, Land Movement</i>		
Utilize the latest adopted state building code to insure adequate protection in construction against Earthquakes in Seismic Zone 3, Severe storms with Wind Exposure C, Fire with Fire Resistive Construction Standards, and Land Movement with Grading Standards	<b>State Legislature</b> to adopt International Codes – <b>Town Council</b> to adopt new state code – <b>SHORT TERM - 2004</b> or later	No financial impact
Utilize the latest adopted state fire code to insure adequate protection against Fire in construction with standards for Fire flow and through the annual Inspection of Commercial Structures	<b>State Legislature</b> to adopt International Codes – <b>Town Council</b> to adopt new state code – <b>SHORT TERM - 2004</b> or later	No financial impact
<i>Flood</i>		
The Floodway, the Special Flood Risk Zone and the 100 year Floodplain shall be regulated to protect human life, property and the public health and safety of the citizens of Lyman; minimize the expenditure of public money; and maintain the town's flood insurance eligibility while avoiding regulations which are unnecessarily restrictive or difficult to administer.	<b>Town Council &amp; Staff ON-GOING</b> Administration of 2002 Critical Areas Code that includes the Flood Code	No financial impact
Manage stormwater runoff to improve drainage, control stormwater quantity, prevent localized flooding of streets and private property during high water table and rainy conditions, and protect and enhance water quality.	<b>Street Department</b> – Administer Surface Water Management Standards found in Critical Areas Code; <b>ON-GOING</b>	Funded by general tax revenues; new projects require grants or loan
Because of the unique floodway and floodplain limitations on the use of the Skagit River shorelines, particularly the dike system, the majority of the shoreline shall be identified and reserved for recreational	<b>Town Council</b> – maintain open space zoning; <b>ON-GOING</b>	Funding would provide for some recreation improvements; generally not needed

and open space uses.		
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ACTIVITY	STAFF ASSIGNMENT & SCHEDULE	FINANCING PLAN
<b><i>Flood, Landslide, Earthquake</i></b>		
Utilizing Best Available Science to develop the Critical Areas title to protect, to the greatest extent practical, life, property and the environment from loss, injury and damage by pollution, erosion, flooding, landslides, strong ground motion, soil liquefaction, accelerated soil creep, settlement and subsidence, and other potential hazards, whether from natural causes or from human activity and related goals.	<b>Town Council and Staff – ON-GOING</b> Program and regulations are in place.	None required.
Coordinate with Skagit County through arrangements such as interlocal agreements, joint programs, consistent standards, or regional boards or committees.	<b>Town Council - Multi-jurisdictional All Natural Hazards Mitigation Planning project – SHORT TERM 2003</b> first plan; <b>LONG TERM</b> - Annual maintenance with five year update required	Initial development funded by State/Federal Grant.
Urban Level of Service Standards are established to ensure protection of public health, safety and welfare by meeting relevant standards	<b>Town Council – LONG TERM</b> - when Comprehensive Plan is amended	Funding provided on a project by project basis

2. The plan reviews property protection actions, such as acquisition, retrofitting, and insurance;

ACTIVITY	STAFF ASSIGNMENT & SCHEDULE	FINANCING PLAN
<i>Landslide</i>		
Provide protection of steep slopes according to standards in the Critical Areas Ordinance.	<b>Town Council – ON-GOING</b> individual project reviews	General budget, grants, loans
<i>Flooding</i>		
Regulations and policies shall reflect the existing dikes along the Skagit River. Nonstructural solutions to flood hazards shall be encouraged including restricting development in flood-prone areas and storm water runoff management.	<b>Town Council – SHORT TERM</b> -dike recently upgraded.	Grant funding for dike improvements or repairs following flood event
Insure that standards for flood control measures protect and enhance the biological systems and public access opportunities of the shoreline and adjacent uplands.	<b>Town Council – LONG TERM</b>	Funding based on individual projects
The town staff will continue to provide technical advice to property owners, contractors and design professionals.	<b>Town Clerk &amp; Consultants – ON-GOING</b>	Funding based on individual projects
Provide adequate emergency power for Town water system and for Fire Department; Update emergency radios to narrow band frequency	<b>Town Council – SHORT TERM</b> - as soon as feasible	Grant funding
Upgrade Water system including wells, pipes, storage and add a treatment system provide Emergency Generator capability; upgrade construction to latest seismic and wind standards.	<b>Town Council &amp; consultants – SHORT TERM</b> -2003-2004	Grant funding and Loans; water utility

**3. The plan reviews activities to protect the natural and beneficial functions of the floodplain, such as wetlands protection;**

ACTIVITY	STAFF ASSIGNMENT & SCHEDULE	FINANCING PLAN
<i><b>Flooding</b></i>		
Protect and restore critical areas; plan for flood hazard mitigation, surface water management and pollution control, establishment and maintenance of greenbelts and conservation areas and coordinate with adjoining jurisdictions.	<b>Town Council – LONG TERM</b>	Combination of funding including town budget, grant funds, local fund raising
Provide habitat for wildlife species, foodfish, and freshwater fish in close proximity to an urban area.	<b>Town Council – LONG TERM</b>	Combination of funding including town budget, grant funds
To protect and restore the wetlands to optimize water quality, habitat, best management practices and ensure that adjacent land use patterns are compatible with the protection and enhancement of the wetlands and take advantage of the unique attributes of the site, allowing no net loss of wetlands, and to remove obstructions and generally improve the flow characteristics to provide for efficient conveyance of water through the city during flood events.	<b>Town Council and Street Department – LONG TERM</b> - individual dates for specific capital projects; schedule updated annually	Combination of funding including general budget, grant funds
To allow limited use of the Skagit River and its shoreline compatible with the Dike system and with the regulatory constraints of the Floodway and Special Flood Risk Zone, including transportation, levee improvement, utilities and outfall structures, public access and recreation, open space and agriculture and similar uses. Review based on individual permits.	<b>Planning Department and Public Works Department – LONG TERM</b>	Combination of funding including department budgets, grant funds

<b><i>Flooding, Earthquake, Landslide, Fire, Severe Storms</i></b>		
Encourage the retention of open space and development of recreational opportunities, conserve fish and wildlife habitat, increase access to natural resource lands and water, and develop parks. Integrate the concepts with natural functions such as drainage, agriculture, and topographic features.	<b>Town Council –LONG TERM</b>	Grant funds, fund raising

**4. The plan reviews emergency services activities, such as warning and sandbagging;**

<b>ACTION</b>	<b>STAFF ASSIGNMENT &amp; SCHEDULE</b>	<b>FINANCING PLAN</b>
<b><i>Flooding, Earthquake, Volcano</i></b>		
Develop and maintain an emergency plan that includes flood warning, earthquake response, and evacuation program for the Town .	<b>Town Council – SHORT TERM -Annual review</b>	Funding integrated into overall budget
The transportation planning goals and level of service is designed to ensure the continued ability of the transportation system to function at a reasonable level of service throughout the urban service area and coordinate the links to the regional transportation system that is critical for evacuation.	<b>Town Council – LONG TERM -Review with update of Comprehensive Plan</b>	Funding integrated into overall budget
Maintain Fire, Water Treatment Critical Facilities up to date with most current technology and standards to ensure operation during hazard events.	<b>Town Council, Volunteer Fire Department and Water System Staff– ON-GOING</b>	Grant funds, loans, utility rate structure

**5. The plan reviews structural projects, such as reservoirs and channel modifications.**

ACTION	STAFF ASSIGNMENT AND SCHEDULE	FINANCING PLAN
<i>Flooding</i>		
Structural Measures – Maintain existing dike system	<b>Town Council – SHORT TERM</b>	Variety of funding sources including grant funds, federal, state and local funds
<i>All Hazards -</i>		
Six-year list of capital projects including specific actions targeted towards natural hazard mitigation.	<b>Town Council – LONG TERM - Regular Update</b>	General Funds, Utility Funds, grant funds, loans
Upgrade and maintain all community owned critical facilities, including Fire Station and Water System.	<b>Town Council –LONG TERM –All facilities updated over past 5 years</b>	General Funds, Utility Funds, Grant funds, loans

**6. The plan reviews public information activities, such as outreach projects and environmental education programs.**

ACTION	STAFF ASSIGNMENT & SCHEDULE	FINANCING PLAN
<i>Flooding</i>		
Provide on going public education at all levels, from the renter to the homeowner, regarding residential, commercial and industrial best management practice issues, flood hazard mitigation, water quality, and related local issues. Update annually.	<b>Town Clerk – ON-GOING</b>	Water utility, grant funds
Make flood map determinations in response to public inquiries.	<b>Town Clerk – ON-GOING</b>	General Funds
<i>All Hazards</i>		
Expand the Public Information program to address other natural hazards where additional public information will be helpful, such as seismic retrofits for homes, and other topics. Hazards identified through Multi-jurisdictional planning process.	<b>Town Clerk – SHORT TERM</b>	Grant funds