

**THE FEDERAL EMERGENCY MANAGEMENT AGENCY
&
THE WASHINGTON STATE EMERGENCY MANAGEMENT DIVISION**

Greenbook



SEE PAGE 1: EMERGENCY WORK

ENVIRONMENTAL CONSIDERATIONS AND CONTACTS

**SEVERE STORMS, FLOODING, TIDAL SURGE,
LANDSLIDES AND MUDSLIDES**

FEMA-1671-DR-WA

(Version 04 Jan 07)

ENVIRONMENTAL CONSIDERATIONS AND CONTACTS

FEMA-1671-DR-WA

Declared Counties:

**Chelan, Cowlitz, Grays Harbor,
Jefferson, King, Lewis, Pacific, Pierce,
Skagit, Skamania, Snohomish, and Wahkiakum**

The Federal Emergency Management Agency (FEMA) provides funding assistance to communities to help in the response and recovery from Presidentially declared disaster. The applicant, the State, and FEMA are responsible to ensure the requirements of numerous environmental and historical preservation laws and executive orders are met.

For **ALL** projects that receive federal and state funding assistance, the applicant is **REQUIRED** to obtain and comply with all applicable local, State, and Federal laws, requirements, and permits.

This **Greenbook** is designed to provide general guidance for environmental and historic compliance, including contact information. It is not intended to be inclusive of all possible applicable laws, but attempts to list and discuss the requirements of regulations routinely encountered for this type of disaster recovery effort.

FAILURE TO OBTAIN AND COMPLY WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS MAY JEOPARDIZE FUNDING.

This **Greenbook** is available from FEMA Public Assistance project officers, FEMA Environmental and Historic Preservation Team members and FEMA's Region 10 website at:

<http://www.fema.gov/plan/ehp/envdocuments/Greenbooks.shtm>

If you have questions or need technical assistance regarding environmental compliance, please contact your local, State, or Federal (USACE, USFWS, NMFS) agencies or FEMA environmental/historic team member. We look forward to working with you.

FEMA Environmental and Historic Team general telephone number is:

(360) 486-5000

After the disaster field office has closed please contact either FEMA Region X Public Assistance Officer or Regional Environmental Officer:

FEMA Region 10 After Closure of Disaster Joint Field Office	
Bill Gadberry, Public Assistance Officer Phone: (425) 487-4789	Mark Eberlein, Regional Environmental Officer Phone: (425) 487-4735

Donna Voss, Washington State Department of Emergency Services
(360) 570-6302

TABLE OF CONTENTS

GENERAL GUIDELINES TO APPLICANTS FOR FEDERAL ASSISTANCE.....	1
ENDANGERED SPECIES ACT AND ESSENTIAL FISH HABITAT.....	2
Regional Road Maintenance and ESA.....	3
Emergencies: National Marine Fisheries Service Contacts.....	4
Quinault Indian Nation Forest Management Plan and ESA.....	4
Washington Department of Natural Resources, Habitat Conservation Plan, and ESA.....	5
WATER QUALITY: CLEAN WATER ACT, RIVERS & HARBORS ACT, JARPA....	5
U.S. Army Corps of Engineers (USACE) Permit Assistance.....	6
Wetlands.....	6
Floodplains.....	7
Municipal Stormwater Permits.....	8
WASHINGTON COASTAL ZONE MANAGEMENT (CZM) PROGRAM.....	8
NATIONAL HISTORIC PRESERVATION ACT.....	9
Structures and Buildings.....	9
Relocation and New Construction (Archaeological Concerns).....	9
Certified Local Government Program.....	10
Cultural and Tribal Resources.....	11
DEBRIS AND WASTE MANAGEMENT.....	11
General Debris Removal.....	11
Burning Permits.....	12
Hazardous Materials.....	12
<i>Asbestos</i>	13
<i>Mold</i>	14
APPENDIX A – Washington Department of Fish & Wildlife Contacts by County.....	15
APPENDIX B – County list of Federally Listed Species.....	18
APPENDIX C – How to Photograph Buildings for Historic Preservation Review.....	19

GENERAL GUIDANCE TO APPLICANTS FOR FEDERAL ASSISTANCE

All Federal environmental and historic preservation laws require compliance in order for applicants to receive ANY federal funds for response and recovery projects. The following may affect FEMA-funded projects:

- National Environmental Policy Act (NEPA)
- Endangered Species Act (ESA)
- National Historic Preservation Act (NHPA)
- Resource Conservation and Recovery Act (RCRA)
- Coastal Zone Management Act (CZMA)
- Clean Water Act (Sections 401 and 404) (CWA)
- Clean Air Act (CAA)
- Rivers and Harbors Act (Section 10)
- Federal Executive Orders for Wetlands (11990) and Floodplains (11988)

***Emergency Work:** The applicant submitting completed or partially completed emergency or recovery work needs to provide documentation of compliance with the applicable local, State, and Federal laws and regulations. The applicant is required to notify the appropriate local, State, and Federal regulatory agency. Prior to beginning in-water work, applicant should contact Washington Department of Fish and Wildlife (WDFW), Washington Department of Ecology (WDOE), U.S. Fish and Wildlife Service (USFWS), and/or National Marine Fisheries Service (NMFS), and U.S. Army Corps of Engineers (USACE). For oil and chemical spills, primary contact is WDOE.

For completed or partially completed emergency work, the applicant will need to provide 1) copies of their permits acquired from the necessary regulatory agencies, and/or 2) copies of their notification to the regulatory agencies during their application for funding assistance. Work in violation of local, State, or Federal laws may be ineligible for FEMA funding. All permits and approvals must be obtained to be eligible for FEMA funding.

***NEPA and other environmental or historic preservation considerations must be addressed BEFORE the following actions can be taken:**

- Debris disposal other than to a permitted landfill
- Projects where footprint differs from pre-disaster condition
- Public Assistance projects with hazard mitigation proposals
- Projects affecting an historic or potentially historic site or structure
- Projects affecting a current or proposed threatened or endangered species
- Projects affecting a wetland, floodplain, body of water
- Projects involving cleanup and/or disposal of oil and hazardous materials
- Projects with known or suspected environmental concerns
- Improved projects
- Alternate projects

ENDANGERED SPECIES ACT & ESSENTIAL FISH HABITAT
(Threatened and Endangered Species)

There are numerous Federally-listed species and plants protected by the Endangered Species Act (ESA) within the disaster area, including fish, birds, mammals, insects, and plants. Most water-related projects affect Essential Fish Habitat. As a funding agency, FEMA is required to consult with the USFWS and NMFS when a funded project affects a federally-listed species, designated critical habitat, and/or Essential Fish Habitat. WDFW biologists often provide information on potential impacts to listed species and assist in reviews. In an effort to streamline the review process, FEMA coordinates early with these agencies to establish protocol and conditions that may be required for project approval. A list of WDFW Habitat Biologists by County is provided in Appendix A.

Salmon and bull trout and **bald eagles and marbled murrelets** are species of particular concern in this disaster. The following should be noted:



- **Salmon, bull trout, and Essential Fish Habitat are present in all declared counties.** Work near wetlands, estuaries, streams, rivers, or the marine environment has potential to affect listed species. Special conditions and further coordination with NMFS and USFWS are required.
- **Bald eagles and marbled murrelets are present throughout the declared areas.** Work proposed in a nesting or foraging area shall require coordination and consultation with USFWS. If work is scheduled during the nesting season, special conservation measures may be imposed, such as work windows, noise control, monitoring, and/or protective distances.

Professional assistance regarding engineering and design may be required to reduce affects to listed species and their critical habitat. Appendix B contains a list of ESA species in each disaster-related county. If you believe a proposed or listed species may be affected (positively or negatively) by your actions, additional information can be obtained from:

<p>U.S. Fish and Wildlife Service (USFWS) North Pacific Coast Eco-Region Western Washington Office: (360-753-9440) Eastern Washington Office: (509-665-3508) http://pacific.fws.gov</p>	<p>Eastern Washington species lists: http://www.fws.gov/easternwashington/county%20species%20lists.htm</p> <p>Western Washington species list: http://www.fws.gov/westwafwo/se/SE_List/endangered_Species.asp</p>
<p>National Marine Fisheries Service (NMFS) Northwest Regional Office (360) 753-9530 www.nwr.noaa.gov</p>	<p>NMFS species lists: http://www.nwr.noaa.gov/Species-Lists.cfm</p>

REGIONAL ROAD MAINTENANCE AND ESA

The **Regional Road Maintenance ESA Program (RRMP)** guidelines describe physical, structural, and managerial Best Management Practices (BMPs) that reduce road maintenance activities' impacts on water and habitat. The purpose of the RRMP is to provide a consistent, regional program that can be used to limit, reduce, or eliminate the prohibition on take of threatened species under the 4(d) Rule (NMFS). One part of the program selects and implements a set of site-specific BMPs that achieve conservation outcomes. Numerous counties, cities, and agencies in Washington participate in this program, which makes the FEMA project review process much easier and faster.

Local agencies desiring to submit an application or to learn more about this program:

<http://www.metrokc.gov/kcdot/roads/esa/index.cfm> or contact Janine Johanson, (206) 205-7101 or janine.johanson@METROKC.GOV. Consultation with USFWS may still be necessary. The following counties and cities have adopted this program which NMFS has approved:

- King County:

Cities of			
Bellevue	Burien	Covington	Kenmore
Kent	Lake Forest Park	Maple Valley	Newcastle
Renton	Sammamish	Shoreline	

- Pierce County:

Cities of		
Edgewood	Tacoma	University Place

- Snohomish County:

Cities of			
Everett	Monroe	Mill Creek	

For more information regarding the **RRMP**, contact:

Rob Fritz, Supervising Ecologist
 King County Department of Transportation
 Phone (206) 205-7107
 Email: rob.fritz@metrokc.gov
 Website www.metrokc.gov/roadcon/bmp/pdfguide.htm

EMERGENCIES: NATIONAL MARINE FISHERIES SERVICE CONTACTS

Prior to starting emergency response activities or projects that have the potential to affect ESA-listed salmon or their critical habitat, please contact the appropriate area **NMFS** representative:

COUNTY OR AGENCY	NMFS REPRESENTATIVE	TELEPHONE NUMBER
Chelan	Diane Driscoll	(509) 962-8911 Ext. 227
Cowlitz	Scott Anderson/Dan Guy	(360) 753-9456/534-9342
Grays Harbor	Dan Guy/Scott Anderson	(360) 534-9342/753-9456
Jefferson	Matt Longenbaugh	(360) 753-7761
King	Tom Sibley/Sean Gross	(206) 526-4446/526-4744
Lewis	Dan Guy	(360) 534-9342
Pacific	Dan Guy	(360) 534-9342
Pierce	Dan Guy	(360) 534-9342
Skagit	Tom Sibley	(206) 526-4446
Skamania	Dan Guy	(360) 534-9342
Snohomish	Tom Sibley	(206) 526-4446
Wahkiakum	Dan Guy	(360) 534-9342
WSDOT	Neil Rickard/Scott Anderson Sean Gross	(360) 753-9090/753-9456 (206) 526-4744
USACE	Dan Guy Diane Driscoll	(360) 534-9342 (509) 962-8911 Ext. 227

QUINULT INDIAN NATION FOREST MANAGEMENT PLAN AND ESA

The Quinault Indian Nation Forest Management Plan (FMP) provides the direction and technical specifications for forest management activities on individually-owned trust land and all tribally-owned land in the Quinault Indian Nation. A final Biological Opinion was issued for the FMP on this land in 2003 (FWS Reference: 1-3-02-F-1602), which makes the FEMA project review process much easier and faster. Repairs to roads, ditches, culverts, and bridges associated with the Quinault Indian Nation FMP must be done in accordance with requirements of the FMP to be in compliance with ESA. Within the guidelines of the FMP, there is a USFWS approval process and review to ensure consistency of projects. For further information regarding Quinault Indian Nation FMP, please contact the Quinault Department of Natural Resources at (360) 276-8215: Mr. Grover Oakerman (Ext. 299) or email: goakerman@quinault.org or Mark Mobbs (Ext 292) or email: mmobbs@quinault.org. Mailing address is: Quinault Indian Nation, P.O. Box 189, Taholah, WA. 98587.

WASHINGTON DEPARTMENT OF NATURAL RESOURCES, HABITAT CONSERVATION PLAN AND ESA.

Washington Department of Natural Resources developed and adopted Habitat Conservation Plans (HCP) following the “Habitat Conservation Planning Handbook” developed jointly by the U.S. Fish and Wildlife Service (USFWS) and the NOAA Fisheries (previously National Marine Fisheries Service). The WDNR developed a HCP under the direction of the Forest Practices Act, Chapter 76.09 of the Revised Code of Washington.

FEMA incorporated by reference the Washington State Forest Practices Rules and the associated Washington State Habitat Conservation Plan as our biological assessment to fulfill the requirements of Endangered Species Act, Section 7 and the Magnuson-Stevens Fishery Conservation and Management Act. Repairs to WDNR facilities damaged by this disaster should be repaired in accordance with the provisions of HCP in order to be in compliance with the federal Endangered Species Act. If the work is completed, or partially completed, the applicant should provide a statement that the repairs were consistent with the provisions of this plan as part of the application for FEMA funding assistance.

WATER QUALITY: CLEAN WATER ACT, RIVERS & HARBORS ACT, JARPA

There are many guidelines and rules regarding protection of water resources. For FEMA-funded projects such as construction, demolition, dredging, filling, or excavation in or near water, including small streams, tributaries, lakes, ponds, stock tanks, construction and mining pits, estuaries, and wetlands, the applicant needs to ensure that all consultation and permitting requirements are met. This may be as simple as a phone call to a regulatory agency to determine if a permit is needed.

The applicant may be required to obtain and comply with **U.S. Army Corps of Engineers (USACE) Clean Water Act** (Section 404), **Water Quality Certification** (Section 401), **Rivers and Harbors Act** (Section 10), or Nationwide permits; **WDFW** hydraulic project approvals; and/or **WDOE** shoreline management permits.

The Joint Aquatic Resources Permits Application (JARPA) may be used to apply to all above permits. **It is the responsibility of the applicant or person performing the work to send a copy of the JARPA to each of the agencies that needs a permit.** The applicant should complete the JARPA application and submit it to USACE, WDFW, and WDOE’s Federal Permits Coordinator, PO Box 47600, Olympia, WA. 98504-7600. Obtaining permits is the responsibility of the applicant or person performing the work and must be done **prior** to initiating any site activity, with the exception of emergency actions that address immediate threats to life or property.

The Governor’s Office of Regulatory Assistance, housed at the Washington State Department of Ecology, is the first stop in the permitting process for any project that may involve work within 200 feet of a water body--including wetlands. They have staff available to assist applicants in navigating their way through the multiple permit requirements, and filling out a JARPA. Applicant shall provide a copy of their JARPA to FEMA Environmental.

The JARPA and Permitting Websites are:

<http://www.one-stop-jarpa.org/DesktopDefault.aspx>
http://www.epermitting.org/site/alias_resourcecenter/resources_library/2488/library.aspx#JARPA
<http://epermitting.org/Portals/JarpaResourceCenter/Documents/ecy07015.pdf>
http://epermitting.org/site/alias_ResourceCenter/2488/library.aspx

For assistance from the Governor’s Office of Regulatory Assistance contact:

COUNTY	GOVERNOR’S OFFICE OF REGULATORY ASSISTANCE	TELEPHONE NUMBER
Chelan	Ann Knapp	(509) 454-4242
Cowlitz	Sally Toteff	(360) 407-6957
Grays Harbor	Sally Toteff	(360) 407-6957
Jefferson	Sally Toteff	(360) 407-6957
King	Sheila Hosner	(425) 649-7114
Lewis	Sally Toteff	(360) 407-6957
Pacific	Sally Toteff	(360) 407-6957
Pierce	Sally Toteff	(360) 407-6957
Skagit	Sheila Hosner	(425) 649-7114
Skamania	Sally Toteff	(360) 407-6957
Snohomish	Sheila Hosner	(425) 649-7114
Wahkiakum	Sally Toteff	(360) 407-6957

For more information regarding the Office of Regulatory Assistance:

<http://www.ora.wa.gov/>

U.S. ARMY CORPS OF ENGINEERS (USACE) PERMIT ASSISTANCE

USACE permit assistance is available on the following website:

www.nws.usace.army.mil

Continue accessing permit information by:

- 1) Click on “**Regulatory**” on the left column
- 2) Click on “**Permits**”
- 3) Observe links at far left

WETLANDS

Any modification to a wetland must comply with Executive Order 11990 (Protection of Wetlands) and must follow the eight-step process, including public notification. **Debris cannot be stored in a wetland, even temporarily, without a permit.** For any work conducted in or around a wetland, coordination with USACE is required. Assistance also may be obtained from USACE area managers.

USACE AREA MANAGERS

USACE Area Managers			
County	Name	Telephone Number	Email address
Chelan	Debbie Knaub	(509) 682-7010	Deborah.j.Knaub@usace.army.mil
Cowlitz	Dave Martin	(206) 764-6848	David.j.Martin@usace.army.mil
Grays Harbor	Jim Green	(206) 764-6906	James.d.Green@usace.army.mil
Jefferson	Koko Ekendiz	(206) 764-6878	Koko.Ekendiz@usace.army.mil
King	Sue Powell	(206) 764-5527	Susan.m.Powell@usace.army.mil
Lewis	Olivia Romano	(206) 764-6960	Olivia.h.Romano@usace.army.mil
Pacific	Ron Wilcox	(206) 766-6439	Ronald.j.Wilcox@usace.army.mil
Pierce	Ron Wilcox	(206) 766-6439	Ronald.j.Wilcox@usace.army.mil
Skagit	Randel Perry	(206) 764-6985	Randel.j.Perry@usace.army.mil
Skamania	Tim Erkel	(509) 238-4570	Tim.r.Erkel@usace.army.mil
Snohomish	Susan Glenn	(206) 764-6904	Susan.s.Glenn@usace.army.mil
Wahkiakum	John Pell	(206) 764-6914	John.l.Pell@usace.army.mil

FLOODPLAINS

Any action funded by FEMA that may affect a floodplain must be reviewed for compliance with federal **Executive Order 11988 (Floodplain Management)** and must follow an eight-step process, including public notification. Actions exempt from this Executive Order are:

- 1) Emergency protective measures
- 2) Debris removal (but not disposal)
- 3) Repairs or replacements to damaged structures under \$5,000

Failure to follow specific guidelines may disqualify projects from federal funding. **For information about working in a floodplain, contact your local City or County floodplain administrator.**

Additional assistance may be obtained from the **Washington Department of Ecology**, (360) 407-6000:

CONTACT	AREA	TELEPHONE	EMAIL
Dan Sokol	Statewide	(360) 407-6796	Dsok461@ecy.wa.gov
Chuck Steele	Chelan, King, Pierce, Skagit, Snohomish	(425) 649-7139	Chst461@ecy.wa.gov
Kevin Farrell	Cowlitz, Grays Harbor, Jefferson, Lewis, Pacific, Pierce, Skamania, Wahkiakum	(360) 407-7253	Kfar461@ecy.wa.gov

For information on FEMA's flood insurance program and floodplain management of your facilities:

<http://www.fema.gov/plan/prevent/floodplain/index.shtm>

<http://www.fema.gov/plan/prevent/floodplain/publications.shtm>

MUNICIPAL STORMWATER PERMITS

Municipal stormwater permits tailored for 104 cities and 17 counties in eastern and western Washington will become effective January 19, 2007. These permits require cities and counties to develop and use a stormwater management program to control stormwater discharges in to and out of their storm sewer systems. These permits are required by Federal law and issued by WA Department of Ecology. The program also includes controls on new development and re-development to ensure stormwater runoff is properly managed to prevent pollution. The design and redevelopment of stormwater systems (road ditches, culverts, and stormwater ponds) damaged by the disaster should comply with the provisions of these permits and the related eastern and western Washington technical design manuals.

Additional information is available at WA Department of Ecology website under Municipal Stormwater permits: <http://www.ecy.wa.gov/programs/wq/stormwater/municipal/index.html>. The WA Department of Ecology contact for Municipal Stormwater permits is: Dave Workman, 360-407-7004; pager 360-786-3074.

WASHINGTON COASTAL ZONE MANAGEMENT (CZM) PROGRAM

Washington Department of Ecology (WDOE) administers the Coastal Zone Management Act (CZMA). For this disaster, the projects within the following counties will require federal consistency determinations: Grays Harbor, Jefferson, King, Pacific, Pierce, Skagit, Snohomish, and Wahkiakum. **It is the responsibility of the applicant or the person performing the work to send a copy of the consistency certification form to the USACE and WDOE as part of the JARPA package.** The one page consistency certification form can be found at: <http://www.ecy.wa.gov/pubs/ecy070130.pdf>. Applicant shall provide a copy of their JARPA to FEMA Environmental.

Additional information can be obtained from WDOE and FEMA websites and from Ecology representatives:

<http://www.ecy.wa.gov/programs/sea/czm/prgm.html>
<http://www.ecy.wa.gov/programs/sea/czm/fed-consist.html>
<http://www.epa.gov/oecaagct/lzma.html>
<http://www.fema.gov/plan/ehp/ehplaws/czma.shtm>

CONTACT	COUNTIES	TELEPHONE	EMAIL
Rebekah Padgett	King, Skagit, Snohomish	(425) 649-7129	Rpad461@ecy.wa.gov
Lori Ochoa	Cowlitz, Grays Harbor, Jefferson, Lewis, Pacific, Pierce, Skamania, Wahkiakum	(360) 407-6926	Loch461@ecy.wa.gov
Gary Graff	Chelan and Eastern Washington	(509) 454-4260	Gagr461@ecy.wa.gov

For Ecology 401/CZMA contacts:



fedpermitsmap.pdf

NATIONAL HISTORIC PRESERVATION ACT
(Historic, Archaeological, and Cultural)

FEMA is required by the **National Historic Preservation Act** (NHPA) to review effects of **demolition, repair, reconstruction** and **relocation** on historic properties within the disaster area. Historic property is any prehistoric or historic district, site, building, structure, or object included in or eligible for inclusion in the National Register of Historic Places. This term includes properties of traditional, religious, and cultural importance. Many properties are not on the National Register but may be eligible for listing and are afforded the same review under NHPA.

Section 106 of the NHPA requires FEMA to consult with the **State Historic Preservation Officer** (SHPO) on projects prior to providing Federal funding. Any structure receiving Federal assistance that is 50 years or older or otherwise has specific historical, cultural, or architectural significance must be reviewed under Section 106 **before** conducting any demolition, repair, reconstruction or relocation activity.

FEMA has entered into a Programmatic Agreement with the SHPO. The Programmatic Agreement lists activities that do not need a full review under Section 106. Often repair or reconstruction to the pre-disaster condition may meet the criteria for an expedited review and may require specific materials and craftsmanship for restoration. The FEMA Environmental/Historic Specialists will advise the Public Assistance Coordinators of those expedited processes. For more information on historic and cultural preservation, contact a member of Environmental Historic Preservation Team. The general Environmental/ Historic Preservation Team telephone number is: **(360) 486-5000**.

STRUCTURES AND BUILDINGS

To expedite review by the SHPO for projects involving historic and potentially historic structures (i.e., buildings, bridges, or other structures), please include the following in the Project Worksheet:

- Describe the property/structure(s) age, exact location and address, (including GPS coordinates, if possible). Also include, if known, current and past use.
- Include clear hard copy or digital photographs (no photocopies please) of all sides of the structure. (See Appendix C, How to Photograph Historic Structures)

RELOCATION AND NEW CONSTRUCTION (ARCHAEOLOGICAL CONCERNS)

Before beginning any project involving ground disturbance, such as leveling or digging utility trenches, the SHPO must review the area for archaeological concerns. Projects needing review include road realignment, utility relocation, material borrow pit construction, or new debris disposal sites. Archaeological concerns may not be immediately apparent to the average person, and care must be taken not to disturb sites containing possible clues to our history. Archaeological materials may include buried human remains, Native American campsites, stone tools, abandoned industrial facilities (factories or mines), historic house foundations, wells, outhouse pits, and trash scatters. **Failure to take appropriate care may disqualify projects from Federal funding.**

The following must be submitted to the SHPO through FEMA prior to beginning any project on **previously undisturbed ground**:

- An accurate map of the project area with its boundary clearly indicated (the SHPO prefers a USGS topographic quad sheet, whenever available). For USGS topographic quad maps: <http://erg.usgs.gov/isb/pubs/booklets/usgsmaps/usgsmaps.html> .
- A brief description of all proposed work, including depth, to determine subsurface impacts.

PLEASE CEASE WORK IMMEDIATELY AND CALL THE SHPO IF ANY BURIED CULTURAL MATERIALS SUCH AS WELLS, CISTERNS, FOUNDATIONS, BASEMENTS, PREHISTORIC NATIVE AMERICAN ARTIFACTS, OR HUMAN BURIALS ARE ENCOUNTERED.

Additional information can be obtained from:

- Dr. Allyson Brooks
State Historic Preservation Officer (SHPO)
Department of Archaeology and Historic Preservation (DAHP)
(360) 586-3066
Allyson.Brooks@dahp.wa.gov
- Rob Whitlam, Archaeologist (subsurface)
SHPO/OAHP
(360) 586-3080
Rob.Whitlam@dahp.wa.gov
- Russell Holter, Archaeologist (surface)
FEMA Liaison Contact for SHPO/OAHP
(360) 586-3533
Russell.Holter@dahp.wa.gov

CERTIFIED LOCAL GOVERNMENT PROGRAM

In addition to the SHPO’s office, some of the declared counties have local offices that regulate or advise jurisdictions on the repair/rehabilitation/restoration of historic properties. Please contact the appropriate office listed below for local requirements, if applicable:

Community	Contact Name	Phone	E-Mail
Edmonds	Gina Coccia	(425) 771-0220	coccia@ci.edmonds.wa.us
Everett	Dave Koenig	(425) 257-8736	dkoenig@ci.everett.wa.us
Port Townsend	John McDonagh	(360) 344-3070	jmcdonagh@ci.port-townsend.wa.us
Shelton	Barb Robinson	(360) 432-5136	robinson@ci.shelton.wa.us
Snohomish County	Wendy Becker	(425) 388-3186	w.becker@co.snohomish.wa.us

CULTURAL AND TRIBAL RESOURCES

The Northwest has a rich cultural resource environment and careful coordination and consultation with the Northwest Tribes affected by this disaster will be required. In accordance with the NHPA and government-to-government agreements with Indian tribes, FEMA must consult with appropriate Tribal Historic Preservation Officers (THPO) or designated tribal representatives. FEMA will conduct all coordination and consultation through the Environmental/Historic Specialist (360) 486-5000 or the following contact:

Cultural and Tribal resources:

- Glen Rader and Max Rice
FEMA Tribal Liaison
(360) 486-5047
Max.Rice@fema.gov
Glen.Rader@fema.gov

DEBRIS AND WASTE MANAGEMENT

Disposal of debris and demolition waste is a major concern following any natural or manmade disaster. Debris may come in many forms: downed trees, damaged buildings, and building materials. There may also be wastes that are hazardous. **Washington Department of Ecology** oversees and regulates debris and hazardous waste management in conjunction with the U.S. Environmental Protection Agency. Local air quality authorities and fire departments assist in ensuring compliance with all local, State, and Federal laws. Seeking guidance is recommended when evaluating waste disposal alternatives, because hazards may not be immediately visible, and safe disposal options may not be clear. In some cases, solid or hazardous waste emergency permits may be required. In order to be eligible for federal reimbursement, applicants who have chosen disposal options that include burning, burying, or stockpiling **must document compliance** with applicable local, State, and Federal laws.

GENERAL DEBRIS REMOVAL

Applicants who have chosen to transport all debris directly to an approved landfill or other approved disposal facility (dependent on waste type) are **not** exempt from the requirement that debris be separated into waste categories mandated by the facility. **Documentation requirements** for the various disposal methods are available from:

Washington Department of Ecology:

CONTACT	REGION	PHONE	EMAIL
Peter Christiansen	NW Regional Office	(425) 649-7076	Pchr461@ecy.wa.gov
Laurie Davies	SW Regional Office	(360) 407-6381	Ldav461@ecy.wa.gov
Michele Vazquez	E. WA Regional Office	(509) 329-3460	Mvaz461@ecy.wa.gov

BURNING PERMITS

The Regional Air Quality Authorities, local fire departments, local fire warden, and WA Department of Ecology discourage open burning as a primary disposal technique. Local, County, and State laws ban certain types of material from open burning. Those prohibited materials include garbage, rubber products, asphalt, petroleum products, plastics, dead animals, paper treated wood, metal, cardboard, construction debris, and any substance which, when burned, releases toxic emissions, dense smoke, or obnoxious odors (natural vegetation excluded). For burning disaster-related woody debris, many local jurisdictions have banned outdoor burning while others have made special provisions. The best contacts for questions or permits and for more information, are local fire department, fire warden, Regional Air Pollution Control Authority (listed by County on Page 13), or WA Department of Ecology: Northwest Region, Doug Brown, (425) 649-7082, Dbro461@ecy.wa.gov or Central Region, WDOE (509) 575-2490.

HAZARDOUS MATERIALS

Responding to this type of emergency (wind & floods) has the potential to produce a wide variety of hazardous waste materials and situations. Examples of hazardous materials may include propane cylinders, discarded paints and solvents, cleaning chemicals, containers of pesticides, lead acid batteries, used oil filters and motor oil, and items containing chlorofluorocarbons (CFCs) or asbestos. Proper care must be taken in handling and disposing of suspected hazardous or toxic waste. For more information, guidance and regulations contact your local health department or solid waste management department. Additional information can be found at the following:

- Department of Ecology Local Contacts:
www.ecy.wa.gov/programs/swfa/contact/othercontacts.html
- Department of Ecology Hazardous Waste and Toxic Reduction Program:
www.ecy.wa.gov/programs/hwtr/index.html
<http://www.ecy.wa.gov/programs/hwtr/managewaste.html>

Twenty-four (24) Hour EPA Emergency Hotline: (206) 553-1263.

Twenty-four (24) Hour WDOE Emergency Spill Hotline: (360) 649-7000.

- Chris Field
EPA, Region 10
206-553-1674
(206) 553-1200
field.chris@epa.gov
- Washington Department of Ecology
Cowlitz, Grays Harbor, Jefferson, Lewis, Pacific, Pierce, Skamania, Wahkiakum
Southwest Regional Office
(360) 407-6300
- Washington Department of Ecology
King, Skagit, Snohomish
Northwest Regional Office
(425) 649-7000
- Washington Department of Ecology
Chelan
Eastern Washington Regional Office
(509) 575-2490

Asbestos

The Washington Department of Ecology and the Office of Environmental Health and Safety, Washington Department of Health, require notification prior to demolition or renovation to control emissions of particulate asbestos to outside air. Each agency requires procedures to reduce dispersal of asbestos during removal and transport of debris to a disposal site. Additionally, they request that any asbestos-containing materials (ACM) not be burned but separated for disposal in an approved landfill. It is anticipated that only small amounts of ACM will be present in residential dwellings. The primary source of ACM will be from commercial and industrial buildings in the following form:

- Thermal, fireproofing and acoustical insulation materials (insulation for boilers, pipes, incinerators, autoclaves, furnaces, cooling towers)
- Transite™, an asbestos-cement product usually found in large gray sheets and in siding
- Resilient floor tiles
- Roofing felt

Special care should be taken in the removal of these types of debris from commercial establishments that manufacture, sell, or install ACM. Regulatory authority for asbestos has been delegated to local air pollution control authorities or agencies. Each authority or agency has jurisdiction over one or multiple counties. The basic requirements for repairing a facility suspected to have asbestos are:

- Asbestos survey is required.
- Survey must be performed by a **currently** certified AHERA (Asbestos Hazard Emergency Response Act) building inspector.
- Public notification is required with an asbestos survey.
- Work areas found to contain asbestos must be posted so that short-time visitors to the area or people passing by are notified of the asbestos hazard.
- Notice of intent must be submitted to the appropriate clean air authority or agency before beginning any work on an asbestos project.

Additional information can be obtained from local building permit authorities or the following:

For a list of Certified Asbestos Abatement Contractors and Asbestos information:

<http://www.lni.wa.gov/WISHA/p-ts/Asbestos/AsbestosContractors.pdf>

<http://www.ecy.wa.gov/programs/hwtr/demodebris/pages2/asbsummary.html>

<http://www.epa.gov/iaq/asbestos.html>

- John Stebbins
Washington Department of Labor and Industry
(360) 902-5514
stjo235@lni.wa.gov

For questions related to schools or homes:

- Tim Hardin
Washington Department of Health
(360) 236-3363
tim.hardin@doh.wa.gov

Raymond Nye
EPA, Region 10
(206) 553-2970
nye.ray@epa.gov

<http://www.epa.gov/asbestos/pubs/ashome.html>
<http://www.doh.wa.gov/eHP/ts/IAQ/default.htm>

Mold

Cleaning and disposing of mold is not regulated, however, there are guidelines and recommendations for addressing mold problems. Note websites below and contacts in chart below for specific county contacts.

<http://www.epa.gov/mold/moldguide.html>
<http://www.epa.gov/mold/moldresources.html>
http://www.doh.wa.gov/eHP/ts/iaq/got_mold.html

For questions pertaining to General Air Pollution, Asbestos, Burning, and Mold contact:

COUNTY AIR POLLUTION CONTROL CONTACTS

COUNTY	AIR POLLUTION AUTHORITY	TELEPHONE #	CONTACT
Grays Harbor, Jefferson, Pacific	Olympic Region Clean Air http://www.oapca.org	(360) 586-1044 1-800-422-5623	Richard Steadman info@oapca.org
Cowlitz, Lewis, Skamania, Wahkiakum	Southwest Clean Air Agency http://www.swcleanair.org	(360) 574-3058 1-800-633-0709	Mary Allen
King, Pierce, Snohomish	Puget Sound Clean Air http://www.pscleanair.org	(206) 343-8800 1-800-552-3565	Jim Nolan Email: Pscleanair.org
Chelan	WDOE Central Office	(509) 575-2490	Holly Myers Hmye461@ecy.wa.gov
Skagit	Northwest Air Pollution Auth. http://www.nwcleanair.org	(360) 428-1617	Mark Asmundson info@nwcleanair.org
Department of Ecology Air Quality Program	PO Box 47600 Olympia, WA. 98504-7600 http://www.ecy.wa.gov/programs/air/local.html	(360) 407-6837 (360) 407-6300	Sean Lundblad Slun461@ecy.wa.gov
Quinault Indian Nation	P.O. Box 189, Taholah, WA. 98587. http://209.206.175.157/contactus1.htm	(360) 276-8215 Ext. 292	Mark Mobbs mmobbs@quinault.org
Tribal lands	Tribes have authority over air quality within the boundaries of their lands.		

PLEASE BE AWARE THAT ALL PERMITS AND APPROVALS MUST BE OBTAINED TO BE ELIGIBLE FOR FEMA FUNDING. FAILURE TO OBTAIN AND COMPLY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS MAY JEOPARDIZE FUNDING.

APPENDIX A:

Washington State Department of Fish and Wildlife Contacts in Disaster Affected Counties Main number: (360) 902-2200

- **WDFW Bald Eagle Resource**
Julie Stofel
Threatened and Endangered Species
Washington State Department of Fish and Wildlife
16018 Mill Creek Blvd
Mill Creek, WA 98012
(425) 379-2301
(425) 379-2323 (fax)
stofejls@dfw.wa.gov
eagle4@dfw.wa.gov

- **Chelan County (Region 2)**
 1. **All lakes and streams, including mainstem Columbia River.**
Bob Steele (509) 662-0503 steelrms@dfw.wa.gov
 2. **Tributaries associated with Forest Practices.**
Lynda Hofmann (509) 997-9428 hofmalah@dfw.wa.gov

- **Cowlitz County (Region 5)**
 1. **All tributaries**
Danette Guy (360) 906-6720 guydlg@dfw.wa.gov

- **Grays Harbor (Region 6)**
 1. **All marine waters**
Key McMurry (360) 249-4628 Ext. 231 mcmurklm@dfw.wa.gov
 2. **Tributaries: Porter, Gibson, Cedar, Gerrard, David, Williams, Rock, Shelton, Cloquallum, Mox Chehalis, Chehalis River; tribs. upstream of Satsop River; East Satsop River and tribs; Delezene Creek; South Bank Chehalis tribs.**
Gloria Rogers (360) 249-4628 Ext. 249 rogersgr@dfw.wa.gov
 3. **Copalis, Hoquiam, Humptulips, Moclips, Quinault, Wishkah, Conner and Joe Creeks. Chehalis River and tribs (downstream of Wynoochee River). Independent tributaries to Pacific Ocean north of Quinault River. Newkah, Campbell, Indian, Stafford, O'Leary Creeks, Johns and Elk Rivers. All tribs of Grays Harbor. Independent tributaries in Grays Harbor County north of Pacific County line.**
Gary Bell (360) 249-1228 bellgwb@dfw.wa.gov
 4. **Forest Practices**
Dave Kloempken (360) 249-1218 kloemdck@dfw.wa.gov
 5. **Forest and Fish in DNR Olympic Region**
Dan Defoe (360) 457-2516 dafoedad@dfw.wa.gov

- **Jefferson County (Region 6)**
 1. **Marine waters south of Hood Canal Bridge, including Dabob Bay, Quilcene Bay, Pleasant Harbor, Hood Canal, Pacific Ocean, and all marine water in the western part of the county.**
Dave Molenaar (360) 249-1224 molendcm@dfw.wa.gov
 2. **Marine waters north of Hood Canal Bridge, including Discovery Bay, Port Townsend, Puget Sound, Oak Bay, Port Ludlow, Bywater Bay.**
Randi Thurston (360) 895-6123 thursrnt@dfw.wa.gov

3. **Upper Dungeness and west Jefferson County (all north of Hoh River). Goodman and Mosquito Creeks. Bogachiel River. Hood Canal tribs. Freshwater in east county. Quilcene, Little Quilcene, Dosewallips and Duckabush Rivers. Shine, Chimacum, Ludlow, Leland, Fulton, Thorndyke, Snow, Salmon, and Contractors Creeks. All lakes within these watersheds. West Jefferson County. Independent tributaries to Pacific Ocean south of and including Hoh River. Clearwater, Queets, and Raft Rivers.**
Chris Byrnes (360) 417-1426 byrniecjb@dfw.wa.gov
- **King County (Region 4)**
 1. **Puget Sound marine and estuarine. Duwamish River to RM 8.0.**
Laura Arber (425) 379-2306 arberlmp@dfw.wa.gov
 2. **Lake Washington, Lake Union, Lake Washington Ship Canal to Ballard Locks (Cities: Seattle, Mercer Island, Newcastle)**
Stewart Reinbold (425) 649-4423 reinbsgr@dfw.wa.gov
 3. **Tributaries to Lake Washington north of 520 bridge. Tributaries to Puget sound (north Seattle to Everett). Lake Sammamish and tribs. Sammamish River. Bear, North, McAleer, Swamp, and Thornton Creeks. Boeing, Pipers, Lyon, Denny, Forbes, Mill, Juanita, Laughing, Jacob, Lewis, Vasa, and Yarrow Creeks. Beaver and Pine Lakes. (Cities: Bothell, Bellevue [north of 520], Issaquah, Kirkland, Kenmore, Lake Forest Park).**
Ginger Holser (425) 379-2305 holsegh@dfw.wa.gov
 4. **Skykomish and Snoqualmie Rivers. Cherry, Patterson, and Woods Creeks. Raging, Sulton, Tolt, and Wallace Rivers. Green/Duwamish River upstream of Turning Basin above 14th Ave S bridge. Tributaries to Puget Sound in King County south of the Duwamish River. Vashon Island tribs. Cedar River system. Issaquah Creek system. Tributaries to Lake Washington south of 520 bridge. (Cities: Auburn, Bellevue, Black Diamond, Burien, Covington, Des Moines, Federal Way, Kent, Maple Valley, Normandy Park, Renton, Seattle [S/SW], Seatac, Tukwila, Vashon, North Bend, Carnation, Duvall, and Fall City).**
Larry Fisher (425) 649-7042 fisheldf@dfw.wa.gov
 5. **White River and tribs. Hylebos Creek, and Lake Killarney. (Cities: Enumclaw and Algona).**
Travis Nelson (253) 848-5113 nelotwn@dfw.wa.gov
 - **Lewis County (Region 5)**
 1. **East Lewis County. Cowlitz River and tribs (east of I-5; excluding tribs to Toutle River). Nisqually River and tribs. Cispus River and tribs.**
Steve Bell (360) 740-0170 bellswb@dfw.wa.gov
 2. **West Lewis County. West of I-5 on Cowlitz River. Chehalis River and tribs. Bunker, Lincoln, and Stearns Creeks. Newaukum River. All forks of Newaukum and Skookumchuck Rivers.**
Scott Brummer (360) 785-0472 brummsjb@dfw.wa.gov
 - **Pacific County (Region 6)**
 1. **Marine waters. North River, Willapa Bay drainages, Willapa River and Bay, Long Beach, and mouth of Columbia River; Palix, Naselle and Bone Rivers.**
Key McMurry (360) 249-4628 Ext. 231 mcmurklm@dfw.wa.gov
 2. **Upper Chehalis River and tribs.**
Scott Brummer (360) 785-0472 brummsjb@dfw.wa.gov
 3. **Forest Practices**
Dave Kloempken (360) 249-1218 kloemdck@dfw.wa.gov

- **Pierce County (Region 6)**
 1. **All marine waters. Puget Sound, Commencement Bay, Carr Inlet, Case Inlet, Gig Harbor, Colvos Passage and the Narrows.**
Dave Molenaar (360) 249-1224 molendcm@dfw.wa.gov
 2. **Marine projects in Carr Inlet and Case Inlet w/project addresses as KPN or KPS.**
Margie Schirato (360) 427-2179 schirmms@dfw.wa.gov
 3. **All freshwater in Pierce County**
Travis Nelson (360) 848-5113 nelsotwn@dfw.wa.gov

- **Skagit County (Region 4)**
 1. **All marine waters. Includes: Bellingham Channel, Burrows Bay, Fidalgo Bay, Guemes Channel, Padilla Bay, Rosario Strait, Samish Bay. (Cities: La Conner and Anacortes marine).**
Doug Thompson (360) 466-4345 Ext. 251 thompdst@dfw.wa.gov
 2. **All freshwaters. Skagit River and tribs. Samish River and tribs. Baker, Cascade, and Sauk Rivers. Colony, Finney, Grandy, and Oyster Creeks. Fidalgo Island. (Cities: Anacortes, Mt. Vernon, Sedro Woolley, Concrete, Marblemount, Burlington).**
Jeffrey Kamps (360) 466-4345 Ext. 271 kampsjwk@dfw.wa.gov
 3. **Forest practices.**
Brendan Brokes (360) 466-4345 Ext. 253 brokebjb@dfw.wa.gov

- **Skamania County (Region 5)**
 1. **East Skamania County**
Bill Weiler (509) 365-0075 weilewjw@gorge.net
 2. **Cispus River and tributaries**
Steve Bell (360) 740-0170 bellsbw@dfw.wa.gov
 3. **West Skamania County**
Anne Friesz (360) 9067-6764 friesarf@dfw.wa.gov

- **Snohomish County (Region 4)**
 1. **Marine waters from Marysville south. Snohomish River to I-5 bridge. Snohomish River estuary.**
Laura Arber (425) 379-2306 arberlmp@dfw.wa.gov
 2. **Marine waters from Marysville north.**
Doug Thompson (360) 466-4345 Ext. 251 thompdst@dfw.wa.gov
 3. **Snohomish, Skykomish, and Snoqualmie Rivers. Cherry, French, Patterson, and Woods Creeks. Pilchuck, Raging, Sultan, Tolt, and Wallace Rivers. Ebey and Steamboat Sloughs. (Cities: Gold Bar, Granite Falls, Index, Lake Stevens, Marysville, Monroe, Snohomish, and Sultan).**
Stewart Reinbold (425) 649-4423 reinbsgr@dfw.wa.gov
 4. **Skagit, Sauk, Carpenter, and Suitttle Rivers.**
Jeffrey Kamps (360) 466-4345 Ext. 271 kampsjwk@dfw.wa.gov
 5. **Tributaries to Puget Sound (north Seattle to Everett). Bear, Little Bear, North, and Swamp Creeks. Stillaguamish and tribs. Canyon, Church, Pilchuck, Jim, Portage, and Squire Creeks. (Cities: Arlington, Brier, Darrington, Edmonds, Everett, Granite Falls, Lynnwood, Mill Creek, Mukilteo, Mt Lake Terrace, Stanwood, and Woodway).**
Ginger Holser (425) 379-2305 hulsegh@dfw.wa.gov

- **Wahkiakum County (Region 5)**
 1. **All tributaries**
Danette Guy (360) 906-6720 guydlg@dfw.wa.gov

APPENDIX B:

COUNTY LIST OF FEDERALLY-LISTED SPECIES*

COUNTY	ENDANGERED & THREATENED SPECIES
Chelan	Fish: Chinook & Steelhead, Salmon/sthd CH, Bull trout. Birds: Bald eagle, Marbled murrelets (CH), Northern spotted owl (CH). Mammals: Gray wolf , Canada lynx (CH), Grizzly bear. Plants: Showy stickseed, Wenatchee Mts checker-mallow (CH) , Ute ladies'-tresses.
Cowlitz	Fish: Chinook, Coho, Chum, Sockeye , Steelhead, Salmon/sthd CH, Bull trout & CH, EFH. Birds: Bald eagle, Marbled murrelets, Northern spotted owl (CH). Mammals: Columbia white-tailed deer. Plants: Nelson's checker-mallow.
Grays Harbor	Fish: Bull trout & CH; EFH. Birds: Bald eagle, Brown pelican, Marbled murrelets (CH), Northern spotted owl (CH), Short-tailed albatross, Western snowy plover (CH). Mammals: White-tailed deer; Southern resident killer, Humpback, Blue, Sei, Fin, Sperm whales ; Stellar sea lion. Plants: Marsh sandwort. Reptiles: Green sea, Loggerhead, Leatherhead, & Olive Ridley sea turtles. Insect: Oregon silverspot butterfly.
Jefferson	Fish: Chinook, Steelhead (P), Salmon & sthd CH, Bull trout & CH, EFH. Birds: Bald eagle, Marbled murrelets (CH), Northern spotted owl (CH), Brown pelicans, Short-tailed albatross. Mammals: Southern resident killer, Humpback, Blue, Sei, Fin, Sperm whales ; Stellar sea lion. Reptiles: Green sea, Loggerhead, Leatherhead, & Olive Ridley sea turtles. Plants: Golden paintbrush.
King	Fish: Chinook, Steelhead (P), Salmon/sthd CH, Bull trout & CH, EFH. Birds: Bald eagle, Marbled murrelets (CH), Northern spotted owl (CH). Mammals: Gray wolf , Canada lynx (CH), Grizzly bear, Stellar sea lion, Southern resident killer & Humpback whales . Plants: Golden Paintbrush, Marsh sandwort.
Lewis	Fish: Chinook , Coho, Chum, Steelhead, Salmon/sthd CH, Bull trout, EFH. Birds: Bald eagle, Marbled murrelets (CH), Northern spotted owl (CH). Mammals: Canada lynx, Gray wolves, Grizzly bears. Plants: Kincade lupine (CH), Nelson's checker-mallow.
Pacific	Fish: Bull trout, EFH. Birds: Bald eagle, Brown pelican, Marbled murrelets (CH), Northern spotted owl (CH), Short-tailed albatross, Western snowy plover (CH). Mammals: Southern resident killer, Humpback, Blue, Sei, Fin, Sperm whales ; Stellar sea lion. Reptiles: Green sea, Loggerhead, Leatherhead, & Olive Ridley sea turtles. Insect: Oregon silverspot butterflies.
Pierce	Fish: Chinook, Chum, Steelhead (P), Salmon & stlhd CH, Bull trout & CH, EFH. Birds: Bald eagle, Marbled murrelets (CH), Northern spotted owl (CH). Mammals: Canada lynx, Gray wolves, Grizzly bears, Plants: Marsh sandwort, Golden paintbrush, Water howellia.
Skagit	Fish: Chinook, Steelhead (P), Salmon/sthd CH, Bull trout & CH, EFH. Birds: Bald eagle, Marbled murrelets (CH), Northern spotted owl (CH). Mammals: Canada lynx, Gray wolves, Grizzly bears, Stellar sea lion, Southern resident killer & Humpback whales . Reptiles: Green sea, Loggerhead, Leatherhead, & Olive Ridley sea turtles. Plants: Golden paintbrush.
Skamania	Fish: Sockeye, Chinook , Coho, Chum, Steelhead, Salmon/sthd CH, Bull trout, EFH. Birds: Bald eagle, Northern spotted owl (CH). Mammals: Canada lynx, Gray wolves, Grizzly bears.
Snohomish	Fish: Chinook, Steelhead (P), Salmon/sthd CH, Bull trout & CH, EFH. Birds: Bald eagle, Marbled murrelets (CH), Northern spotted owl (CH). Mammals: Canada lynx, Gray wolves, Grizzly bears, Stellar sea lions, Southern resident killer & Humpback whales .
Wahkiakum	Fish: Sockeye, Chinook , Coho, Chum, Steelhead, Salmon/sthd CH, Bull trout, EFH. Birds: Bald eagle, Marbled murrelets (CH), Northern spotted owl. Mammals: Columbia white-tailed deer,

**Bolded = Endangered; CH = Critical Habitat; P = Proposed
Sthd - steelhead**

Eastern Washington species lists:

<http://www.fws.gov/easternwashington/county%20species%20lists.htm>

Western Washington species list:

http://www.fws.gov/westwafwo/se/SE_List/endangered_Species.asp

NMFS species lists:

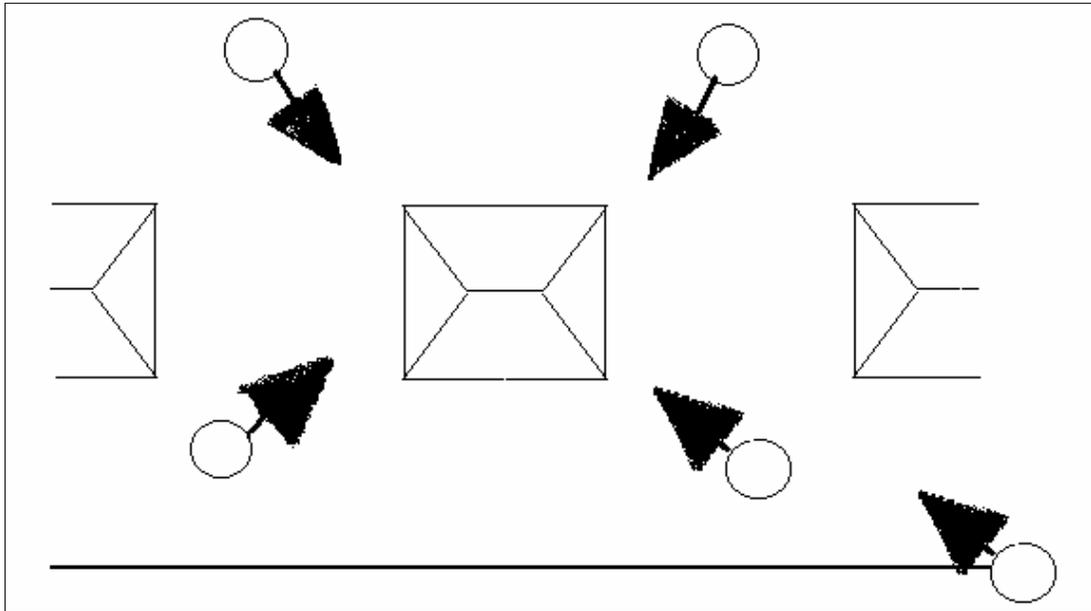
<http://www.nwr.noaa.gov/Species-Lists.cfm>

APPENDIX C:

HOW TO PHOTOGRAPH BUILDINGS AND STRUCTURES FOR HISTORIC PRESERVATION REVIEW

Photographs submitted for historic preservation review should be clear and discernible. Please use the following guidelines:

- When using a digital camera, the camera should be set to a resolution of 640 X 480 dpi or greater (no “thumbnail” size images please);
- When using an analog camera, use color 35 mm format film. No Polaroid instant film, which produces images lacking depth and adequate definition of details. Also, 35mm format film is available in a wide range of film speeds but 200 or 400 ASA (ISO) film will handle most situations. In situations involving low light conditions (such as interiors) and cameras without a flash attachment and tripod, it is advisable to use a 400 or 800 speed film;
- When possible, avoid aiming camera directly toward the sun;
- In harsh lighting conditions, such as mid-day sun, try to avoid taking photographs that include portions of buildings showing both bright-lit and dark-lit areas (such as areas below overhangs and porches);
- When vegetation or other obstacles obstruct your view, it may be necessary to shoot more photographs in order to record the overall appearance of the building or structure;
- A minimum of 5 photos should be taken of each building: 1 photo of each façade so that both the entire wall and the extent of the roof line appear in the image—and 1 “streetscape” or contextual view showing the building and its neighbors. Where possible, please take each of the 5 photos at an oblique angle as shown in the site diagram below, but don’t be afraid to shoot at any other angle to get the best shot:



Examples can be found on the back of this sheet. For questions call: (360) 586-3088.



Example of front view.



Example of an angled view.