

Clallam County Natural Resource Plans Approved Consultants List March 2008

Natural resource plans may be required for projects that are: located within critical areas; located within 200 feet of designated critical habitat; located within an aquatic and wildlife habitat conservation area; or affect habitat that has been identified for protection. The adoption of the final Critical Areas Code (C.C.C. 27.12) on January 7th, 2000 established requirements for development within these sensitive areas. Furthermore, the designation of much of the County's shoreline as critical habitat for threatened salmon species has created the need for more active planning for development located in these areas. The chart provided below can help you determine whether a natural resource plan is required for your project.

Natural Resource Plans

If project is:	Located within 200' of designated critical habitat	Located within an Aquatic or Wildlife Habitat Conservation Area	Located in a Geologic Hazard area	Affecting the habitat identified for protection
You will need:				
Wetland Delineation	No	Yes, if a regulated wetland is part of the habitat conservation area	No	Yes, if a regulated wetland is part of the habitat conservation area
Drainage and Erosion Control Plan	Yes	Yes	Yes	Yes
Geotech report	No	No	Yes	No
Habitat Management Plan	Yes; consultant list available	Yes; consultant list available	No	Yes; consultant list available
Mitigation Plan for Wetlands, Geologic Hazard, and /or Aquatic/Wildlife Habitat	No	Yes	Yes	Yes
Bald Eagle Management Plan	Maybe*	Yes; contact WDFW	No	Yes; contact WDFW

*Washington Department of Fish & Wildlife designates habitat restrictions for bald eagles. Contact Shelly Ament, WDFW biologist, at (360) 681-4276 for more information.

Summary of Special Reports from the Clallam County Critical Areas Code, 27.12 CCC

The following is a brief summary of various plans that may be required when development occurs within the jurisdiction of critical areas. A more detailed explanation can be found in the complete text of the Critical Areas Code, available online at www.clallam.net. Follow the links to both maps and the county laws. Particular attention should be given to Part Eight "Special Reports," including the general and special requirements for each plan. A portion of that section is also included at the end of this list.

Wetlands: A determination of the wetland boundary, delineation of the wetland buffer, and classification with regards to wetland rating is required prior to any development within the jurisdiction (200 feet) of an unranked wetland. The Washington State Delineation Manual, (RCW 90.58) shall be used to identify and delineate regulated wetland boundaries. The wetland boundary shall be identified and delineated, or evaluation of special reports for regulated wetlands shall be conducted by a biologist with wetlands ecology expertise who is knowledgeable of wetland conditions within the North Olympic Peninsula Region and has professional experience in this occupation; or those individuals or firms which have been certified by the Association of Wetland Scientists. This person shall field stake the wetland boundary and this line shall be surveyed by a professional land surveyor if the delineation is required for a land division pursuant to Title 29 C.C.C. Required experience for these consultants is summarized in the following chart.

Description of Level 1 and Level 2 Wetland Consultants

Level	Level 1	Level 2
Activities	Mitigation projects which do not require extensive engineering or expertise in wetland restoration or creation. Contact the Planning Division for approval of Level 1 consultants on your wetland mitigation project before proceeding.	Establishing mitigation measures for projects that will impact wetland environments.

Qualifications	Level 1	Level 2
Education	Bachelors of Science or Arts degree in Botany or Biology	Bachelors of Science or Arts degree in Biology or Earth Sciences
Experience	Minimum two years' practical experience of delineating wetlands and wetland plant identification. Significant experience with the 1987 Corps' Wetland Delineation Manual	Minimum two years' practical experience in wetland mitigation/preservation and restoration/creation. Familiar with wetland planning which includes expertise in mitigation, preservation, restoration, creation and monitoring of wetlands.

Drainage and Erosion Control Plans: Engineered drainage and erosion control plans are usually required prior to development located within the jurisdiction (200 feet) of a critical area and for land divisions. Of particular concern are those activities located within designated erosion hazard areas, or those activities which have the potential to affect water quality or slope stability. The standards for these plans are found within the 1992 Stormwater Management Manual for the Puget Sound Basin (adopted by Clallam County). Additionally, development that includes creation of less than 5,000 square feet of impervious surfaces (including, but not limited to roofs, paved driveways, gravel driveways, patios, and walkways) and/or land disturbing activities of less than 1 acre, is required to meet Clallam County's "Drainage Plan Guidelines for Engineered Systems" (adopted January, 1994). These reports shall be prepared by a civil engineer licensed in the State of Washington. Note: A stormwater management ordinance is currently being considered by Clallam County, with final action by the County Commissioners anticipated. Until this occurs, please continue to use the 1992 Manual and County Drainage requirements.

Geotech Reports: Geotechnical reports are required for any proposed reduction in the landslide hazard buffer to less than 50 feet. They may also be required as part of an application for a land division containing a landslide hazard or for the alteration of an existing use within a landslide hazard or its buffer. Additionally, the Uniform Building Code (Section 1801) contains requirements for geotechnical reports for foundations close to steep slopes or within 100 feet of an area classified as an "Unstable Marine Bluff." These reports shall be prepared by either a geologist or geotechnical engineer, or civil engineer licensed in the State of Washington. The geotechnical report certify that: (1) there is minimal hazard and a quantitative analysis of slope stability indicates no significant risk, (2) the development will not significantly increase surface water discharge or sedimentation to adjacent properties beyond pre-development conditions, and (3) the development will not decrease slope stability on adjacent properties.

Habitat Management Plans: Generally, such plans are required prior to development located within the jurisdiction of a Class I Habitat Conservation Area, and may be required prior to development located within the jurisdiction (200 feet) of a Class II Habitat Conservation Area. At this time, management plans for development within bald eagle habitat is coordinated through the Washington Department of Fish and Wildlife (360-681-4276 for Clallam County). Development within designated critical habitat for threatened species of salmon must adhere to the "General Habitat Management Plans and Guidance for Threatened Species of Salmonids in Clallam County 4/11/00." If the buffer requirements in these guidelines cannot be met, as Habitat Management Plan will be required. These plans shall be prepared by a person who has been educated in this field and has professional experience as a wildlife biologist.

Mitigation Plans: Mitigation plans are generally required as a condition of permits for Critical Area Variances, Reasonable Use Exceptions, development within 200 feet of a Type I (and some Type II) Wildlife Habitat Area, Certificates of Compliance, and other circumstances described in the Critical Areas Code. Specific requirements for Wetlands, Aquatic/Wildlife Habitat Areas, Geologic Hazardous Areas, Frequently Flooded Areas, and Critical Aquifer Recharge Areas can be found in Section 27.12.800 of the Code.

Critical Areas Determination: This is a non-binding, no-guarantee service that would allow a private evaluation of the existence of critical areas on property. This is a useful service to potential purchasers of property to understand what limitations may be placed on future development. Such evaluations cannot be approved by the County and offer no guarantee of the future "buildability" of a parcel.

Approved Consultants List Located Within Clallam County

This list contains the names of consultants who have been determined to meet Clallam County criteria for developing natural resource plans. Other consultants or individuals may be used if, after a review of their qualifications, it is determined that they meet criteria specified by the Critical Areas Code.

<u>Name and address</u>	<u>Telephone</u>	<u>Email</u>	<u>Wetlands</u>	<u>Habitat Managmnt.</u>	<u>Geotech</u>	<u>Drainage Erosion</u>	<u>Mitigation</u>	<u>Critical Determ.</u>
Battelle Marine Sciences Laboratory Dr. Ronald M. Thom 1529 West Sequim Bay Road Sequim, WA 98382	(360) 681 3667 Fax 681-3667	ron.thom@ pnl.gov	Yes large projects only	Yes large projects only		Yes Coastal large projects only	Yes Aquatic large projects only	
Cedarwood Group Mike Szatlocky 105½ East First St., Suite A Port Angeles, WA 98362	(360) 452-9655	cwood@ olypen.com			Yes	Yes		Yes
4 Seasons Engineering, Inc. Jay Petersen, PE 619 S. Chase Street Port Angeles WA 98362	(360) 452-3023 FAX 452-3047	fourse@ olypen.com			Yes	Yes	Yes Terrestrial Aquatic	Yes
Erickson Consulting Aleta Erickson 3317 Upland Lane Port Angeles, WA 98362	(360)808-8657	ae2@ u.washington. edu		Yes			Yes Terrestrial Aquatic	Yes
ENTRIX, Inc. 104 N. Laurel St., Suite 104 Port Angeles, WA 98362	(360) 452-7057 FAX 452-7061	kmeyer@ entrix.com	Yes	Yes	Yes		Yes	
John Scott Fleming Engineering Inc. John S. Fleming, PE PO Box 44 Port Angeles, WA 98362	(360)452-8500 (800)248-6008 FAX 452-3383	jsfeng@ olypen.com	Yes			Yes		Yes
Kenneth D. Gilbertson Consulting Forester 248 Fors Road Port Angeles WA 98363	(360) 452 6388 cell 460 6244 FAX 457-8523	kgforestcon@ yahoo.com		Yes			Yes Terrestrial	
Hagen Consulting Michael Hagen PO Box3068 Port Angeles, WA 98362	(360) 452-5640	mhagen@ Olympus.net	Yes	Yes			Yes	Yes
Loggy Soil and Wetland Consulting W. David Loggy, CPSS PO Box 2347 Port Angeles, WA 98362	(360) 457 3920 (866) 805-1497 cell 808 5538 FAX 457 0131	wdploggy@ olypen.com	Yes	Yes			Yes	Yes
Northwestern Territories, Inc. Robert Leach, P.E. 717 South Peabody Port Angeles, WA 98362	(360) 452-8491 FAX 452-8498	bob@ nti4u.com			Yes	Yes		Yes
Quadra Engineering, Inc., PS Harold Andersen, PE PO Box 2356 Sequim, WA 98382	(360) 683-7019 FAX 683-7087	quadra@ olypen.com			Yes	Yes	Yes	Yes
Shreffler Environmental Dave Shreffler 3890 Lost Mountain Rd. Sequim, WA 98382	(360) 582-1712 FAX 683-1734	lostmtnloft@ olympus.net		Yes			Yes Aquatic	Yes
Westech Company Dr. G. Bradford Shea PO Box 2876 Port Angeles, WA 98362	(360) 565-1333 FAX 452-6708	brad@westech company. com	Yes	Yes			Yes Terrestrial Aquatic	Yes
Gene Unger, PE 1401 West 7 th St. Port Angeles, WA 98363	(360) 452-2098 FAX 417-2098	ungerpe@ olypen.com			Yes	Yes		Yes
Zenovic & Associates Inc Steve Zenovic 301 E. 6 th St. Suite 1 Port Angeles, WA 98362	(360) 417-0501 FAX 417-0514	zenovic@ olympus.net			Yes	Yes		Yes

Approved Consultants List Located Outside of Clallam County

Name and address	Telephone	Email	Wetlands	Habitat Managmnt.	Geotech	Drainage Erosion	Mitigation	Critical Determ.
GeoEngineers Wayne Wright 1550 Woodridge Dr SE Port Orchard, WA 98366	(360) 769 8400 FAX 769-8700	wwright@ geoengineers .com	Yes	Yes	Yes		Yes Terrestrial Aquatic	Yes
Agua Tierra Environmental Consulting, Inc. 506 Edison St. SE, Suite 100 Olympia, WA 98501	(360) 754 3755 FAX 754-3431	atec@ aguatierra. net	Yes	Yes	Yes	Yes	Yes Terrestrial Aquatic	Yes
Aquatic Environmental Sciences Dr. Ken Brooks 644 Old Eaglemount Road Port Townsend, WA 98368	(360) 732 4464 FAX 732-4464	brooks@ olympus.net	Yes	Yes			Yes Terrestrial Aquatic	Yes
Coastal Geologic Services, Inc. Jim Johanessen 701 Wilson Ave. Bellingham WA 98225-7348	(360) 647 1845 FAX (866) 260-5430	jim@coastal geo.com		Coastal processes	Coastal		Coastal processes	Yes
David Evans and Associates 119 Grand Avenue, Suite D Bellingham, WA 98225	(360) 647-7151 FAX 647-7160	adp@deainc. com	Yes	Yes		Yes	Yes	Yes
EFI Global 4205 Cincinatti Ave Suite 100 Rocklin, CA 95765	(425) 828-7592 FAX (916) 797- 1114	www.efiinfo .com	Yes	Yes	Yes	Yes	Yes	Yes
Jones & Stokes Associates 710 2 nd Ave Suite 550 Seattle, WA 98104	(206) 801-2800 FAX (206) 801- 2899	jsanet .com	Yes	Yes			Yes	Yes
Olympic Wetland Resources, Inc. Dixie Llewelin 856 50 th St. Port Townsend, WA 98368	(360) 385-6432	dixiellewellin @yahoo. com	Yes	Yes			Yes	Yes
BGE Environmental, LLC. PO Box 8632 Port Orchard, WA 98366	(360) 710-6066 Fax		Yes	Yes			Yes	Yes
Hart Crowser-Pentec Environmental 120 3rd Ave. S., Suite 110 Edmonds, WA 98020	(425)775-4682 (425)778-9417	wayne.adams @hartcrowser .com	Yes	Yes	Yes	Yes	Yes	Yes
NW Environmental Sciences LLC Donna Frosthalm 4845 Willamette St. Port Townsend, WA 98368	(360)531-3300	Donnalf@oly mpus.net	Yes	Yes			Yes Terrestrial Aquatic	Yes
Washington Timberland Management, Inc. P.O. Box 12916 Olympia, WA 98508	(360) 866-9242 800-775-0795 FAX 360.866.5559	wtm Office@qwest .net		Yes			Yes	
Alkai Consultants, LLC 9465 Provost Rd NW, Suite 202 Silverdale, WA 98383	(360) 613-2407 FAX (360) 613- 2408		Yes	Yes	Yes	Yes	Yes	Yes
Marine Surveys & Assessments 521 Snagshead Way Port Townsend, WA 98368	(360) 385-4073 FAX (360) 385- 2188	sea@cable speed.com	Yes	Yes			Yes Marine Aquatic	Yes
Gentry Consulting Herman Gentry P.O. Box 1244 Ellensburg, WA 98926	509-968-4100 Cell 509-929- 6100	Herman.gentr y@charter. net	Yes		Yes		Yes	Yes

Note “Special Requirements” also apply to mitigation for impacts to Wetlands, Aquatic/Wildlife Habitat Areas, Geologic Hazardous Areas, Frequently Flooded Areas, and Critical Aquifer Recharge Areas. See Section 27.12.800 of the Critical Areas Code.