

Vista West Performance Based Cluster Plat

Project Description

The proposed development includes a subdivision of approximately 21.0 acres into 10 single-family residential lots pursuant to Chapter 16.09 KCC. Lot sizes will range from approximately 0.92 acre to 1.15 acres and will be developed as a single phase with construction to occur within five years of preliminary approval. Approximately 11.45 acres of total open space will be included, of which approximately 2.40 acres includes critical areas, resulting in approximately 9.05 acres (43%) of net open space area.

Access

Access to the site is proposed from Storie Lane via an existing bridge over the KRD canal and connecting to existing private roadways. Currently, this route provides access to 15 existing lots of record lying east of Little Creek, plus an additional six lots pending final plat approval. The proposed development would create an additional nine lots, for a total of 30 lots served. A second access route is not proposed or should be required at this time (see KCC 12.01.095(2)).

Utilities

Power: Puget Sound Energy

Telephone: Qwest

Sanitary Sewage Disposal: Individual on-site septic

Potable Water Supply: Group B Water System

Public Benefit

Open Space: 9.05 acres or 43% of site in open space for perpetuity – Rural Points = 43.

Health and Safety: Connection to a Group B water system – Rural Points = 25.

Vista West
Performance Based Cluster Plat – Narrative

The proposed development includes a subdivision of approximately 21.0 acres into 10 single-family residential lots pursuant to Chapter 16.09 KCC. Lot sizes will range from approximately 0.92 acre to 1.15 acres and will be developed as a single phase with construction anticipated occurring in 2010 or later.

Public Benefit

The subject property is zoned Rural – 3, which requires a minimum of 9.0 acres for open space allocation and a maximum density bonus of 100%. The proposed development includes approximately 11.45 acres of total open space, of which approximately 2.40 acres includes critical areas, resulting in approximately 9.05 acres (43%) of net open space area.

Rural Points = 43

A Group B water system is proposed to serve the development, which will require approval by Washington State Dept. of Health.

Rural Points = 25

Lot Yield Calculation (*Total Rural Points = 68*):

- 1) 21 acres divided by 3 acres min. lot size = 7 whole lots
- 2) 7 lots times 43% (within the 68% earned and 100% max.) = 3 whole lots
- 3) Total lot yield proposed = 10 whole lots

Please refer to the attached Public Benefit Ratings System Chart for additional detail.

VISTA WEST - PUBLIC BENEFIT RATINGS SYSTEMS CHART

Base Acreage:	21	Open Space Required:	9 ac.
Base Lot Yield:	7	Net Open Space Provided (43%):	9.05 ac.
Max. Bonus Lots:	7	Water Supply:	Group B
Max. Lot Yield:	14	Sanitary Sewer:	Individual Septic Systems
Proposed Lot Yield:	10	Zoning:	Rural-3

Element	Points Available	Points Awarded	Comments
Transportation			
Additional ROW Width	0	0	Not applicable for Rural lands
Connectivity	25	0	Connectivity of easements is pre-existing
Multi-Modal Access	25	0	Site is not adjacent to public recreation lands
Streetscape Design Standards	0	0	Not applicable for Rural lands
Open Space			
50% of site for 25 years	0	0	Not applicable for Rural lands
40% - 80% in perpetuity	40-80	43	11.45 ac. total open space (less 2.4 ac. in critical areas)
Wildlife Habitat			
Connectivity to Wildlife Corridors	15	0	Site is not adjacent to existing corridors
Critical Areas Enhancement	10	0	Site constraints limit the availability of additional buffers
Health and Safety			
Connection to Municipal Water	0	0	Not applicable for Rural lands
Connection to Group A	50	0	The lots are to be served as part of a Group B System
Connection to Group B	25	25	
Connection to Sewage System	0	0	Not applicable for Rural lands
Community Septic System	10	0	Site constraints limit the available area
Reclaimed Water System	50	0	Not feasible for a development of this size
Recreation			
Passive (private or public)	5 or 10	0	No Passive Recreation provisions are proposed
Active (private or public)	10 or 20	0	No Active Recreation provisions are proposed
Formal (private or public)	10 or 25	0	Not feasible for a development of this size
TOTAL		68	Of 68 total points scored, only 43 will be applied to the bonus.

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Proposed Lot Yield:	10	Zoning:	Rural-3

<u>Element</u>	<u>Points Available</u>	<u>Points Awarded</u>	<u>Comments</u>
Transportation			
Additional ROW Width	0	0	Not applicable for Rural lands
Connectivity	25	0	Connectivity of easements is pre-existing
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Health and Safety			
Connection to Municipal Water	0	0	Not applicable for Rural lands
Connection to Group A	50	0	The lots are to be served as part of a Group B System
Connection to Group B	25	25	
Connection to Sewage System	0	0	Not applicable for Rural lands
Community Septic System	10	0	Site constraints limit the available area
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Connection to Municipal Water	0	0	Not applicable for Rural lands
Connection to Group A	50	0	The lots are to be served as part of a Group B System
Connection to Group B	25	25	
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Community Septic System	10	0	Site constraints limit the available area
Reclaimed Water System	50	0	Not feasible for a development of this size
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United States
Department of
Agriculture



NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Kittitas County Area, Washington

Vista West Performance Based Cluster Plat



December 9, 2009

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://soils.usda.gov/sqi/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<http://offices.sc.egov.usda.gov/locator/app?agency=nracs>) or your NRCS State Soil Scientist (http://soils.usda.gov/contact/state_offices/).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Soil Data Mart Web site or the NRCS Web Soil Survey. The Soil Data Mart is the data storage site for the official soil survey information.

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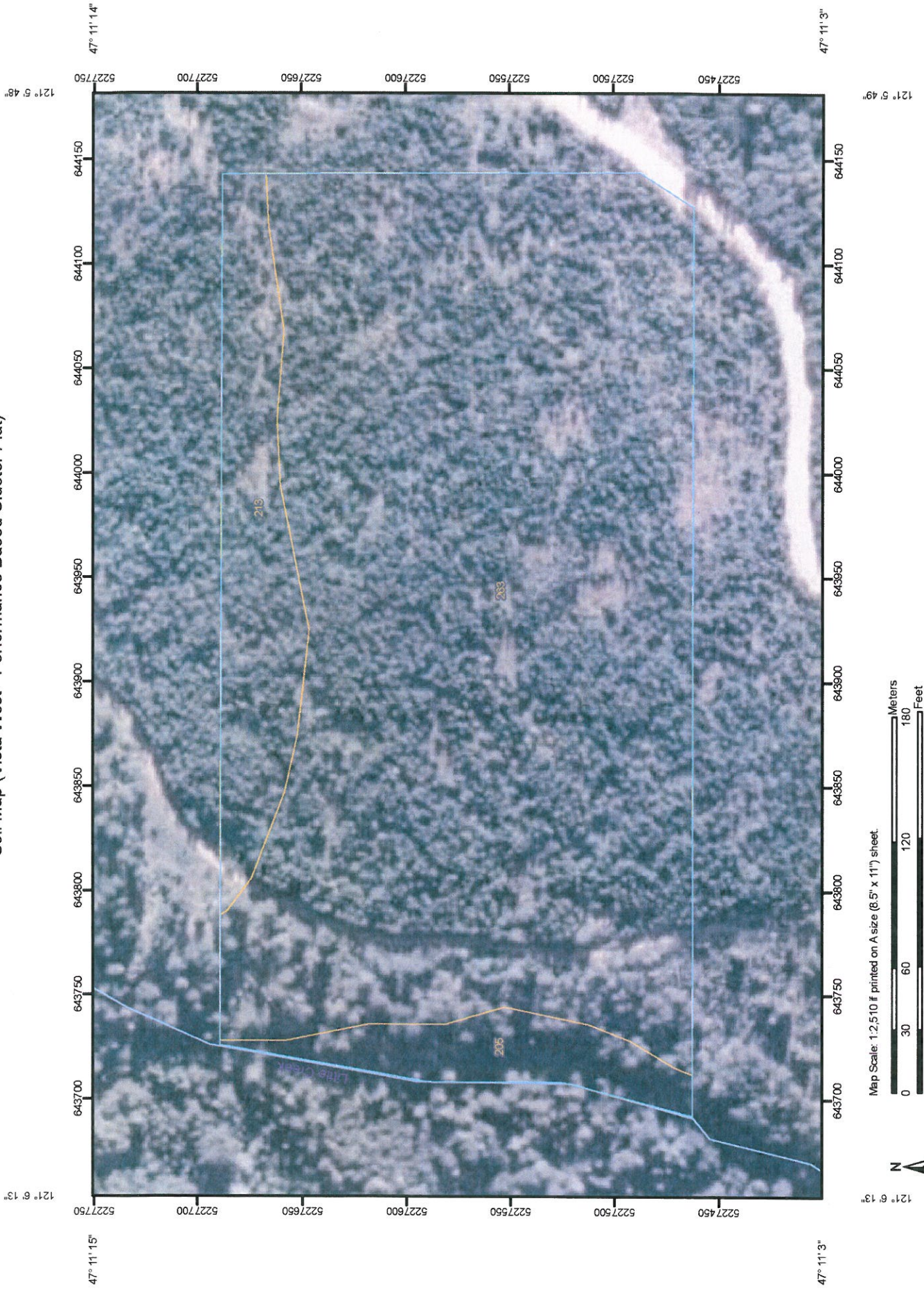
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Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map (Vista West - Performance Based Cluster Plat)



Map Scale: 1:2,510 if printed on A size (8.5" x 11") sheet.



MAP LEGEND

- Area of Interest (AOI)
- Area of Interest (AOI)
- Soils**
- Soil Map Units
- Special Point Features**
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features**
- Gully
- Short Steep Slope
- Other
- Political Features**
- Cities
- Water Features**
- Oceans
- Streams and Canals
- Transportation**
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

MAP INFORMATION

Map Scale: 1:2,510 if printed on A size (8.5" x 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000. Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
 Coordinate System: UTM Zone 10N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Kittitas County Area, Washington
 Survey Area Data: Version 3, Jun 15, 2009

Date(s) aerial images were photographed: 7/27/2006

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend (Vista West - Performance Based Cluster Plat)

Kittitas County Area, Washington (WA637)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
205	Xerofluvents, 0 to 5 percent slopes	1.3	5.3%
213	Roslyn ashy sandy loam, moist, 3 to 25 percent slopes	2.6	10.5%
263	Volperie very paragravelly ashy sandy loam, 5 to 30 percent slopes	20.4	84.1%
Totals for Area of Interest		24.2	100.0%

Map Unit Descriptions (Vista West - Performance Based Cluster Plat)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic

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classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Kittitas County Area, Washington

205—Xerofluvents, 0 to 5 percent slopes

Map Unit Setting

Elevation: 500 to 2,500 feet

Mean annual precipitation: 7 to 50 inches

Mean annual air temperature: 43 to 50 degrees F

Frost-free period: 110 to 180 days

Map Unit Composition

Xerofluvents and similar soils: 85 percent

Minor components: 15 percent

Description of Xerofluvents

Setting

Landform: Flood plains, stream terraces

Down-slope shape: Concave

Across-slope shape: Concave

Parent material: Alluvium

Properties and qualities

Slope: 0 to 5 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Somewhat excessively drained

Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)

Depth to water table: About 36 inches

Frequency of flooding: Frequent

Frequency of ponding: None

Available water capacity: Low (about 4.4 inches)

Interpretive groups

Land capability (nonirrigated): 4s

Other vegetative classification: Douglas-fir/elk sedge (CDG132)

Typical profile

0 to 2 inches: Moderately decomposed plant material

2 to 20 inches: Sandy loam

20 to 23 inches: Loamy sand

23 to 60 inches: Extremely cobbly sand

Minor Components

Racker

Percent of map unit: 10 percent

Aquolls

Percent of map unit: 5 percent

Landform: Flood plains

Ecological site: WET ALKALI MEADOW 6-9 PZ (R007XY603WA)

213—Roslyn ashy sandy loam, moist, 3 to 25 percent slopes

Map Unit Setting

Elevation: 1,900 to 2,400 feet

Mean annual precipitation: 30 to 40 inches

Mean annual air temperature: 43 to 45 degrees F

Frost-free period: 85 to 115 days

Map Unit Composition

Roslyn, moist, and similar soils: 85 percent

Minor components: 15 percent

Description of Roslyn, Moist

Setting

Landform: Kame terraces, terraces, valley sides

Down-slope shape: Concave, linear

Across-slope shape: Concave, convex

Parent material: Glacial drift with a mantle of loess and volcanic ash

Properties and qualities

Slope: 3 to 25 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
(0.57 to 1.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water capacity: Moderate (about 8.5 inches)

Interpretive groups

Land capability (nonirrigated): 4e

Other vegetative classification: grand fir/vine maple (CWS551)

Typical profile

0 to 1 inches: Moderately decomposed plant material

1 to 8 inches: Ashy sandy loam

8 to 15 inches: Ashy sandy loam

15 to 37 inches: Loam

37 to 60 inches: Gravelly loam

Minor Components

Quicksell

Percent of map unit: 5 percent

Bertolotti

Percent of map unit: 5 percent

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Nard

Percent of map unit: 5 percent

263—Volperie very paragravelly ashy sandy loam, 5 to 30 percent slopes

Map Unit Setting

Elevation: 2,200 to 2,700 feet

Mean annual precipitation: 30 to 50 inches

Mean annual air temperature: 43 to 45 degrees F

Frost-free period: 80 to 110 days

Map Unit Composition

Volperie and similar soils: 80 percent

Minor components: 20 percent

Description of Volperie

Setting

Landform: Mountain slopes

Landform position (two-dimensional): Summit, shoulder, backslope

Down-slope shape: Linear

Across-slope shape: Convex

Parent material: Residuum from phyllite and schist with a mantle of volcanic ash

Properties and qualities

Slope: 5 to 30 percent

Depth to restrictive feature: 30 to 40 inches to paralithic bedrock

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water capacity: Low (about 3.8 inches)

Interpretive groups

Land capability (nonirrigated): 4e

Other vegetative classification: grand fir/pinegrass (CWG124)

Typical profile

0 to 1 inches: Slightly decomposed plant material

1 to 8 inches: Very paragravelly ashy sandy loam

8 to 16 inches: Very paragravelly loam

16 to 38 inches: Gravelly loam

38 to 48 inches: Weathered bedrock

Minor Components

Nard

Percent of map unit: 5 percent

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Roslyn

Percent of map unit: 5 percent

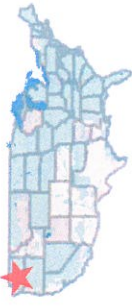
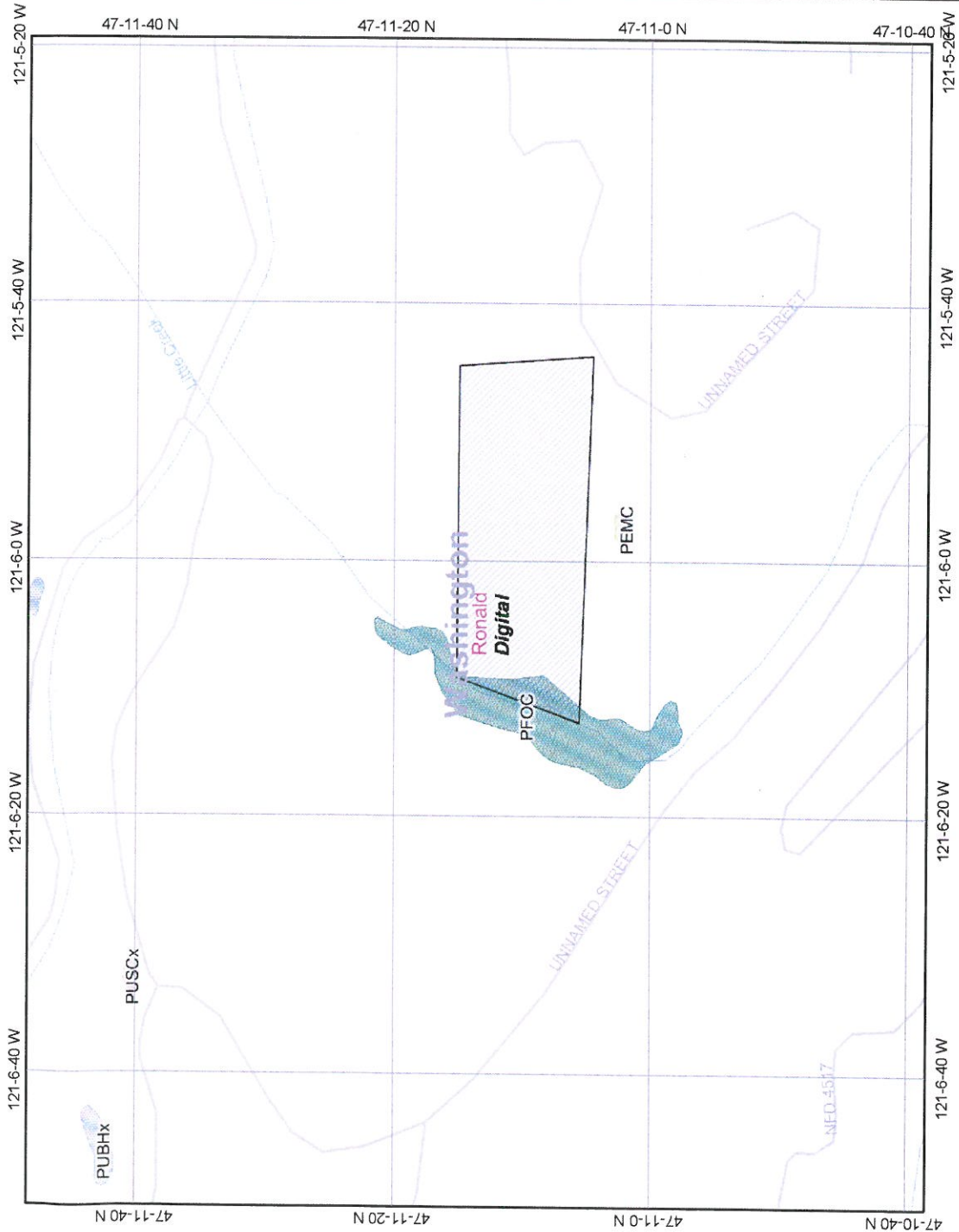
Kladnick

Percent of map unit: 5 percent

Bertolotti

Percent of map unit: 5 percent

Vista West Performance Based Cluster Plat



Legend

- Ohio_wet_scan
 - 0
 - 1
- Out of range
- Interstate
- Major Roads
 - Other Road
 - Interstate
 - State highway
 - US highway
- Roads
- Cities
- USGS Quad Index 24K
- Lower 48 Wetland Polygons
 - Estuarine and Marine Deepwater
 - Estuarine and Marine Wetland
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond
 - Lake
 - Other
 - Riverine
- Lower 48 Available Wetland Data
 - Non-Digital
 - Digital
 - No Data
 - Scan
- NHD Streams
- Counties 100K
- States 100K
- South America
- North America



Scale: 1:15,144

Map center: 47° 11' 13" N, 121° 6' 5" W

This map is a user generated static output from an internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

WETLANDS AND DEEPWATER HABITATS CLASSIFICATION

System

L - Lacustrine

Subsystem

1 - Limnetic

2 - Littoral



System

P - Palustrine

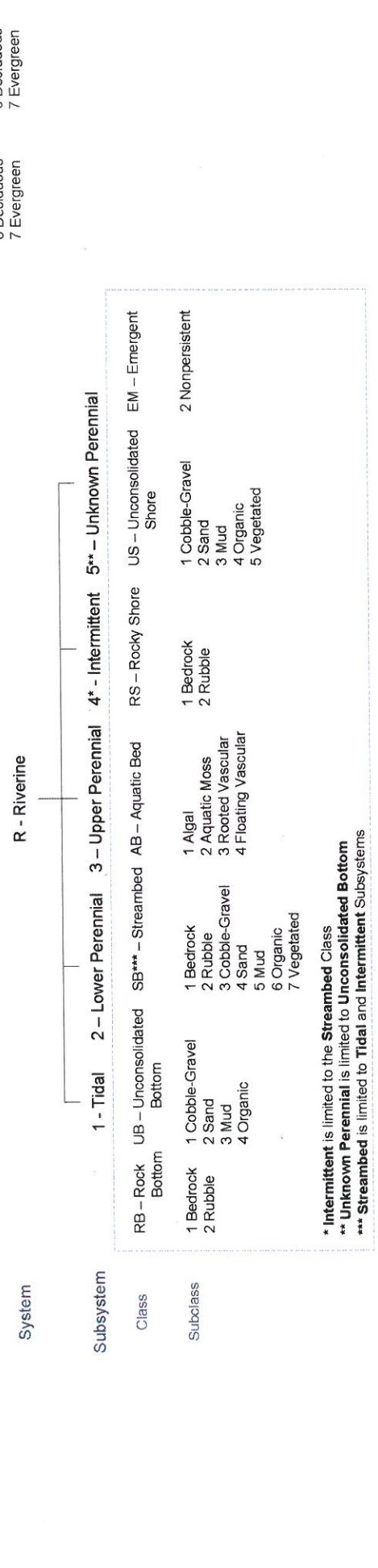
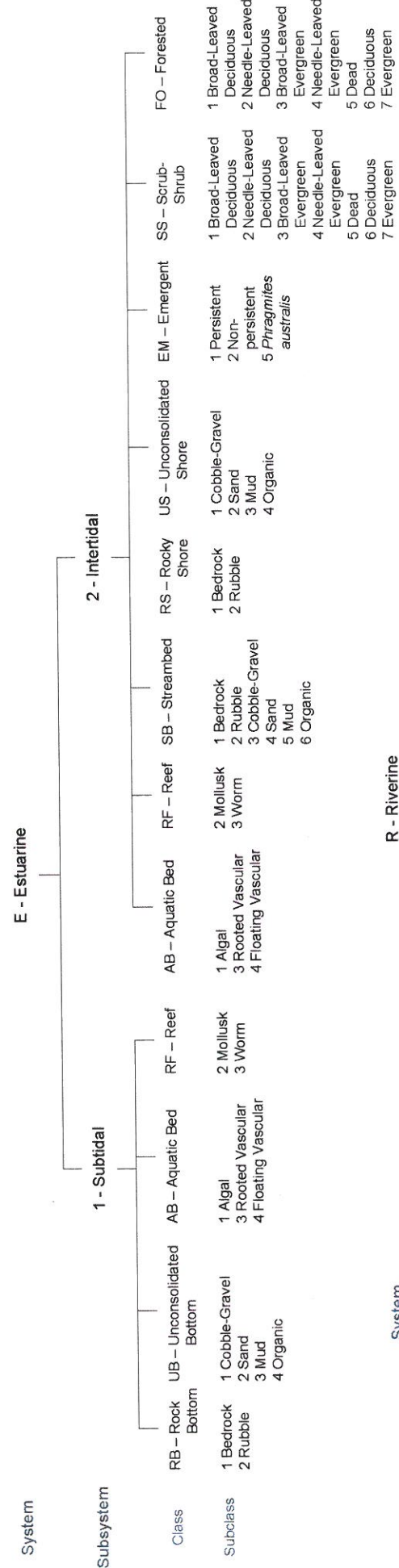
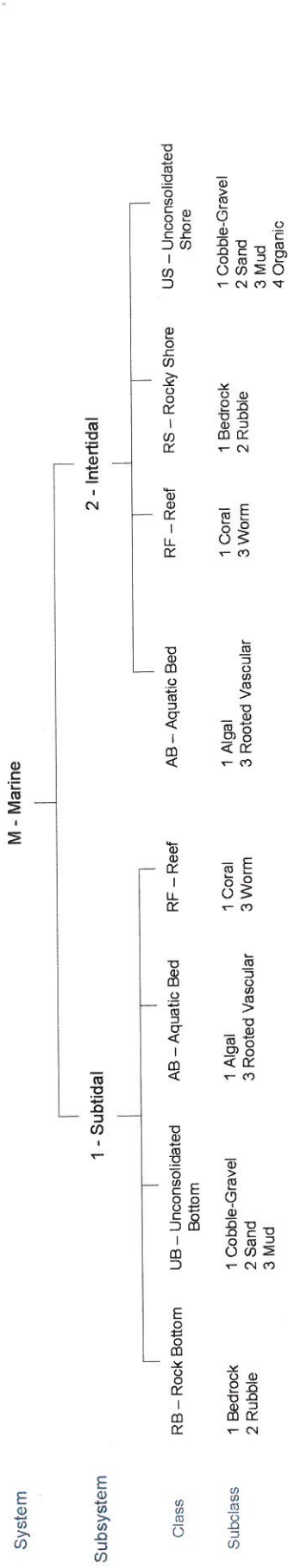


MODIFIERS

In order to more adequately describe the wetland and deepwater habitats, one or more of the water regime, water chemistry, soil, or special modifiers may be applied at the class or lower level in the hierarchy. The farmed modifier may also be applied to the ecological system.

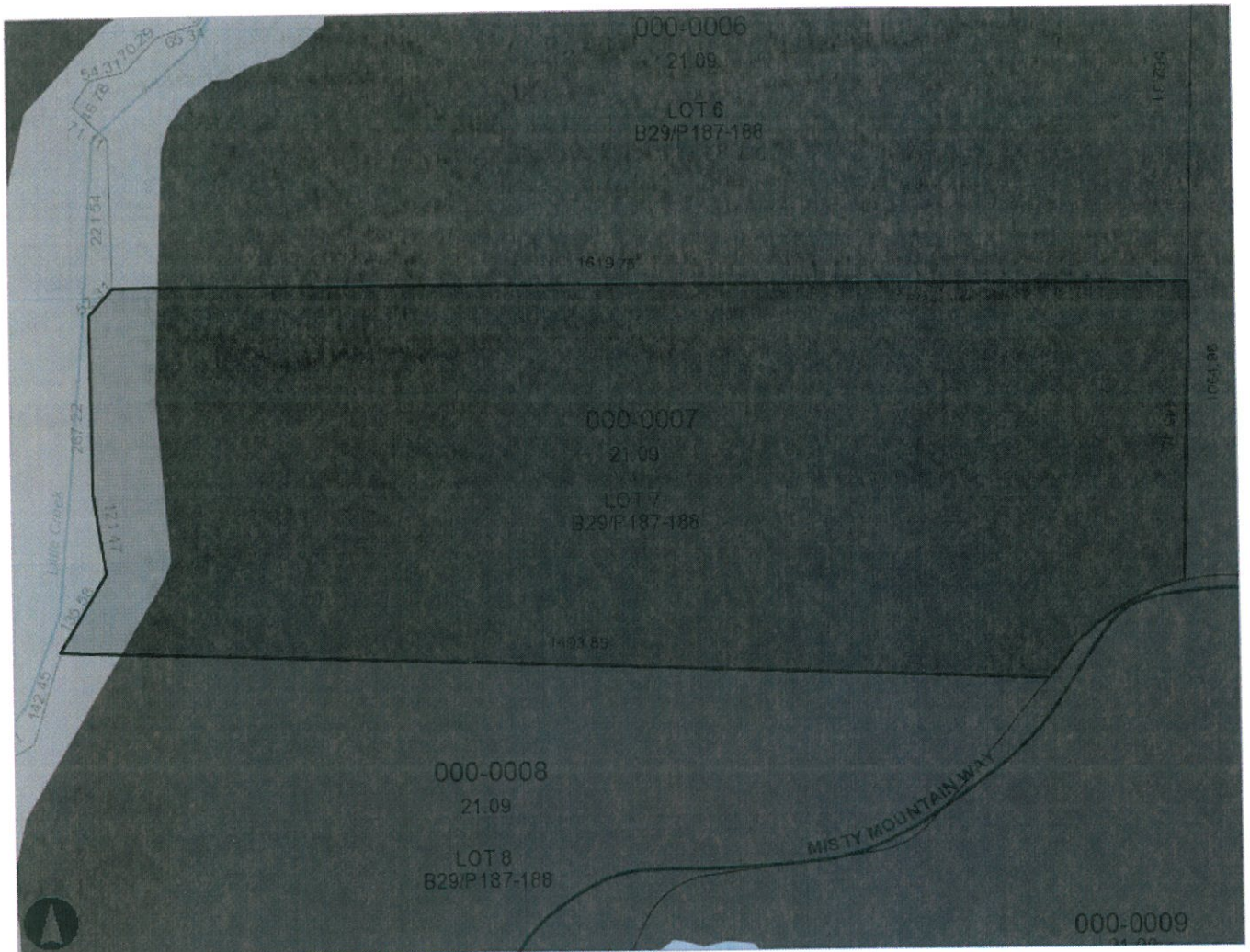
	Water Regime		Special Modifiers	Water Chemistry		Soil
	Nontidal	Saltwater Tidal		Coastal Halinity	Inland Salinity	
A	Temporarily Flooded	L Subtidal	b Beaver	1 Hyperhaline	7 Hypersaline	9 Organic
B	Saturated	M Irregularly Exposed	d Partly Drained/Ditched	2 Euhaline	8 Eusaline	n Mineral
C	Seasonally Flooded	N Regularly Flooded	f Farmed	3 Mixohaline (Brackish)	9 Mixosaline	t Circumneutral
E	Seasonally Flooded/Saturated	P Irregularly Flooded	h Diked/Impounded	4 Polyhaline	0 Fresh	I Alkaline
F	Seasonally Flooded	S Temporarily Flooded-Tidal	r Artificial	5 Mesohaline		
G	Intermittently Exposed	R Seasonally Flooded-Tidal	s Spoil	6 Oligohaline		
H	Permanently Flooded	T Semi-permanently Flooded-Tidal	x Excavated	0 Fresh		
J	Intermittently Flooded	V Permanently Flooded-Tidal				
K	Artificially Flooded					

WETLANDS AND DEEPWATER HABITATS CLASSIFICATION



* Intermittent is limited to the Streambed Class
 ** Unknown Perennial is limited to Unconsolidated Bottom
 *** Streambed is limited to Tidal and Intermittent Subsystems

Vista West - Wetlands



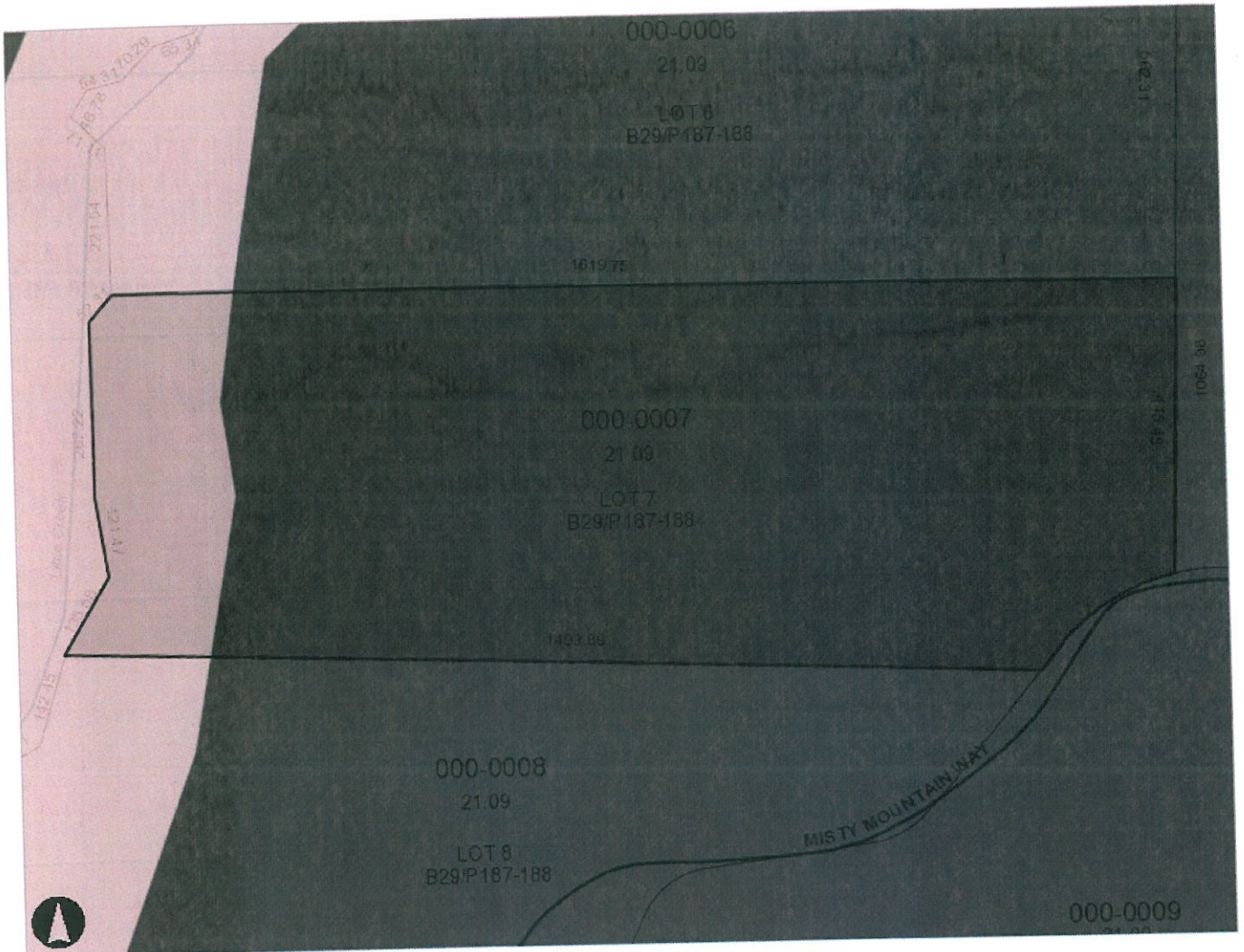
Map Center: Township:20 Range:14 Section:33

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Vista West - Floodway



Map Center: Township:20 Range:14 Section:33

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Letter of Transmittal

108 East 2nd Street, Cle Elum, WA 98922
 Tel (509) 674-7433 Fax (509) 674-7419

To: ALLISON KIMBALL Date: 12-15-09 Job No. 07199-7
 Attn: _____
 Re: VISTA WEST PBCP

WE ARE SENDING YOU Attached Under separate cover via overnight mail/regular mail the following items:

PRINTS	PLANS	SHOP DRAWINGS	COPY OF LETTER	CHANGE ORDER	SAMPLES	SPECIFICATIONS	SUBMITTAL

COPIES	DATE	NO.	DESCRIPTION
1			PUBLIC DISCLOSURE STATEMENT
10		2	COPIES WITH CONTOURS
1		2	8 ½ X 11 MAP
1			500' RADIUS MAP AND LIST OF OWNERS
1			APPLICATION
*3			OVERVIEW LETTER - * 1 FOR CDS, 1 FOR PUBLIC WORKS & 1 FOR HEALTH
1			SUBDIVISION GUARANTEE
1			SEPA CHECKLIST
1			SOIL REPORT

THESE ARE TRANSMITTED as checked below:

- For approval Approved as submitted Resubmit ____ copies for approval For signature
- For your use Approved as noted Submit ____ copies for distribution
- As requested Returned for corrections Return ____ corrected prints
- X For review and comment _____
- FOR BIDS DUE _____ PRINTS RETURNED AFTER LOAN TO US



REMARKS:

Signature: Gregg Jensen Title: Drafting Tech
 Copy to: File