



PRELIMINARY WETLAND ASSESSMENT

TO:
Randy Goode

FROM:
Jim Barnes

COMPANY:

DATE:
8/13/2015

RE:
Tax Parcels 986028830, 986028825, 986030201,
986030202, & 986030206

CC:

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY PLEASE RECYCLE

On August 10, 2015, I completed a site visit to tax parcels 986028830, 986028825, 986030201, 986030202, & 986030206 which are located at 1514 NW 339th Street in La Center, Washington (Figure 1). The study area consists of rural farmland with large-lot residential developments on all sides. The East Fork Lewis River is located approximately 330 feet off-site to the south. The majority of the study area was planted with a crop of oats at the time of the site visit.

The purpose of the site visit was to determine whether the study area contains any Clark County regulated wetlands or other critical areas. Prior to conducting the site investigation, a review was completed of existing resource information to assist with the determination of wetlands within the confines of the study area. This review included the Clark County GIS, Clark County Soil Survey, National and Clark County wetland inventory maps, USGS topographic quadrangle maps and aerial photographs.

According to the Clark County GIS, two areas are mapped as potentially containing wetlands – one in the southeast portion of the site and the other in the north portion. There are no National Wetland Inventory mapped wetlands located on the site. Both of the county mapped areas are in the location of drainage ditches which were observed on-site. The central portion of the site contains a topographic swale which is oriented from the northeast (NW Pacific Highway) to a forested ravine which is located in the southwest part of Tax Parcel 986028830.

The study area is mapped as containing Gee silt loam, 0 to 8 percent slopes (GeB), Hillsboro silt loam, 3 to 8 percent slopes (HoB), and Odne silt loam, 0 to 5 percent slopes (OdB). Soils descriptions for these soils are as follows:

- The Gee series consists of deep, moderately well drained soils formed in old alluvium on dissected high terraces and terrace escarpments. Slopes are 0 to 60 percent. The average annual precipitation is about 45 inches. The mean annual temperature is about 51 degrees F.
- The Hillsboro series consists of deep, well drained soils that formed in mixed alluvium. Hillsboro soils are on terraces and have slopes of 0 to 20 percent. The mean annual precipitation is about 45 inches and the mean annual temperature is about 53 degrees F.
- The Odne series consists of deep, poorly drained soils formed in alluvium in basins and drainageways on terraces. Slopes are 0 to 1 percent. The average annual precipitation is about 50 inches. The mean annual temperature is about 50 degrees F.

In order to conduct the wetland assessment, soil data sampling points were taken throughout the study area in low lying areas, county mapped wetland areas, or areas where wetland vegetation were observed.

The majority of the site is flat to gently sloping (5-10%). Tax Parcel 986028830, which comprises most of the study area, was planted with a crop of oats (*Avena sativa* – UPL) at the time of the site visit (Photos 1 & 2). Wetlands were observed in the north portion of the study area that would be classified as depressional (slope + depressional) according to the *Washington Department of Ecology Wetland Rating System for Western Washington* (Figure 2). The slope wetlands originate on a gentle hillslope along the east part of the parcel and extend to an excavated man-made pond and ditch in the west portion. The pond appears to have been excavated from palustrine emergent depressional wetlands that extend over 200 feet to the south and west from the water's edge. The pond is surrounded by Pacific willow (*Salix lasiandra* - FACW), and black cottonwood (*Populus balsamifera* ssp. *trichocarpa* - FAC) trees; with an herbaceous layer of reed canarygrass (*Phalaris arundinacea* – FACW), curly dock (*Rumex crispus* – FAC), and slough sedge (*Carex obnupta* – OBL). Extending outward from the pond is an area approximately one acres in size of reed canarygrass, meadow foxtail (*Alopecurus geniculatus* – OBL), soft rush (*Juncus effusus* ssp. *effusus* – FACW), and scattered thickets of nootka rose (*Rosa nutkana* – FAC).

Uplands, outside of the areas planted with oats, are dominated by Canada thistle (*Cirsium arvense*), Queen Anne's Lace (*Daucus carota*), tall fescue (*Festuca arundinacea*), and orchardgrass (*Dactylis glomerata*). The only forested areas within the confines of the study area exist at the top of the ravine in the southwest portion of Tax Parcel 986028830 and around a single-family residence on Tax Parcel 986030202. The dominant tree stratum species in these areas is black cottonwood, big-leaf maple (*Acer macrophyllum* – FACU), Douglas fir (*Pseudotsuga menziesii* – FACU), and red alder (*Alnus rubra* – FAC). The sapling/shrub stratum consists of blackberry thickets (*Rubus armeniacus* – FACU), beaked hazelnut (*Corylus cornuta* – FACU), and vine maple (*Acer circinatum* – FAC).

Based on the information presented above, the wetlands on the study area are regulated under Chapter 40.440 (Wetlands) of the Clark County Municipal Code as follows:

- Category 4 depressional wetlands - 50 ft. buffer for high intensity land uses

Any fill of jurisdictional wetlands on this property may be subject to permitting through Clark County, Washington Department of Ecology, and the Corps of Engineers. This report documents the investigation, best professional judgment and conclusions of Cascadia Ecological Services, Inc. It should

be used at your own risk unless it has been reviewed and approved in writing by Clark County under their jurisdictional standards.

Attachments:

Figure 1 – Vicinity Map

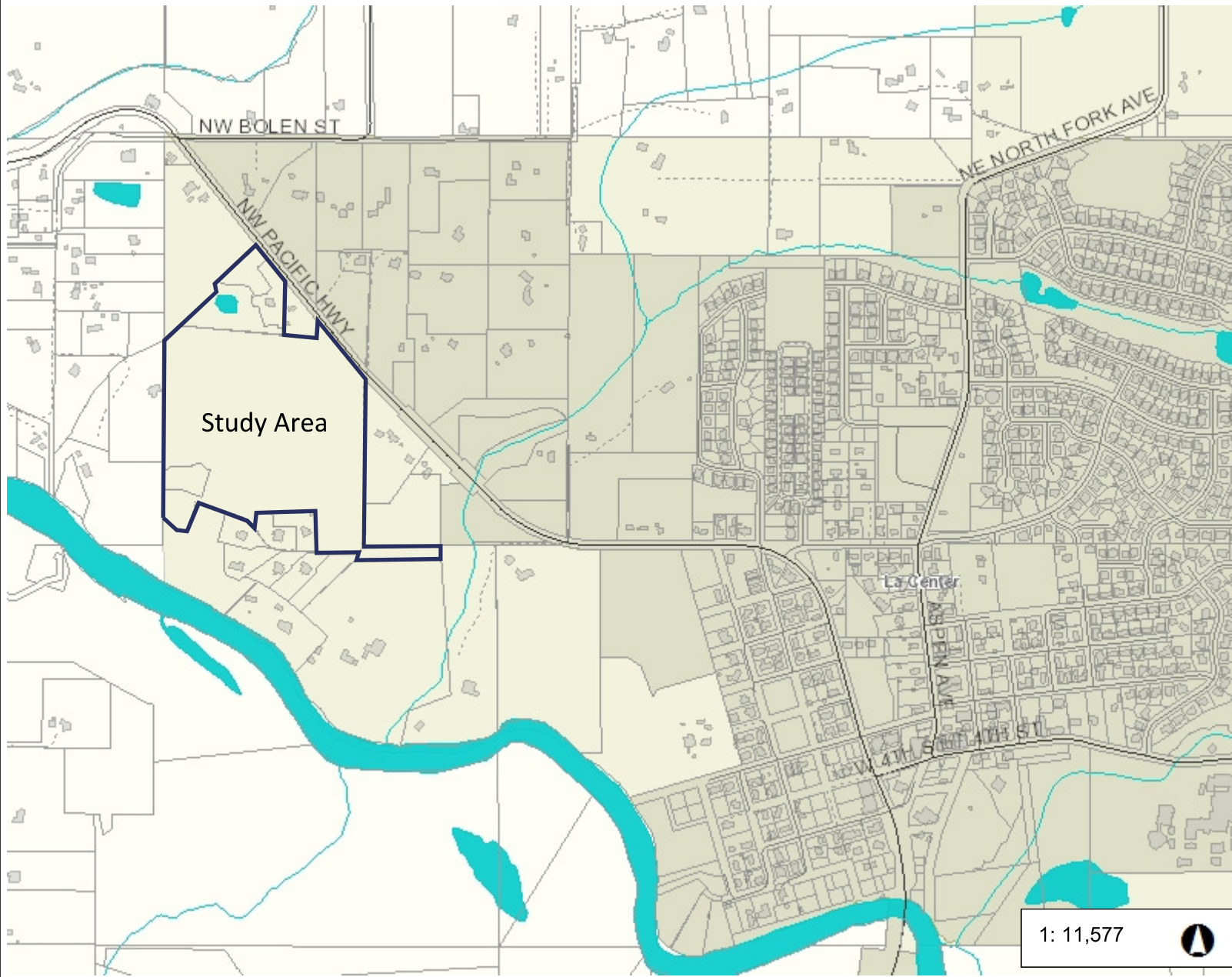
Figure 2 – Probable Wetland Areas

Photo Plate 1

Photo Plate 2



Figure 1. Vicinity Map



Legend

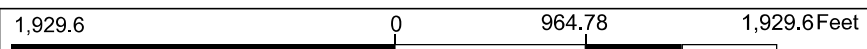
- Building Footprints
- Taxlots
- Cities Boundaries
- Urban Growth Boundaries



Notes:

Tax Parcels 986028830, 986028825, 986030201, 986030202, & 986030206

1: 11,577



WGS_1984_Web_Mercator_Auxiliary_Sphere
Clark County, WA. GIS - <http://gis.clark.wa.gov>

This map was generated by Clark County's "MapsOnline" website. Clark County does not warrant the accuracy, reliability or timeliness of any information on this map, and shall not be held liable for losses caused by using this information.



Sheet 2

Probable Wetland Areas

Project Location: 1514 NW 339th St., La Center, WA 98629

Tax Parcels: 986028830, 986028825, 986030201, 986030202,
& 986030206

Property Owner: Randy Goode

Legal: NE 1/4, S04, T4N, R1E

Lat./Long.: 45.866037, -122.687758

County: Clark, WA

Date: 8/13/15



Photo 1. Taken in SW portion of study area facing northeast into topographic swale.



Photo 2. Taken in SW portion of study area facing north.

Photo Plate 1 (Goode Property)



Photo 3. Taken in north portion of study area facing northwest across wetlands.



Photo 4. Taken in north portion of study area facing north across pond.

Photo Plate 2 (Goode Property)