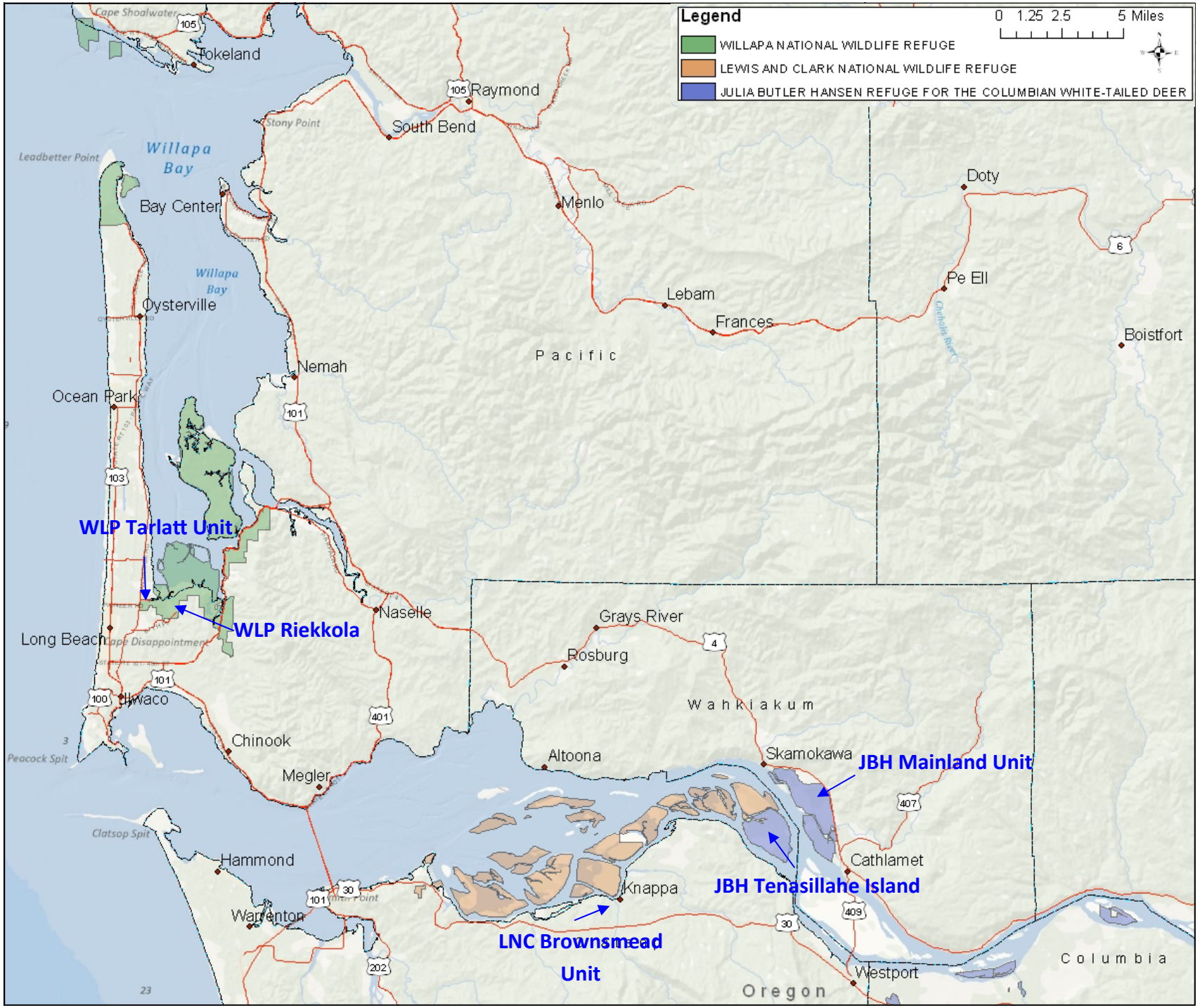
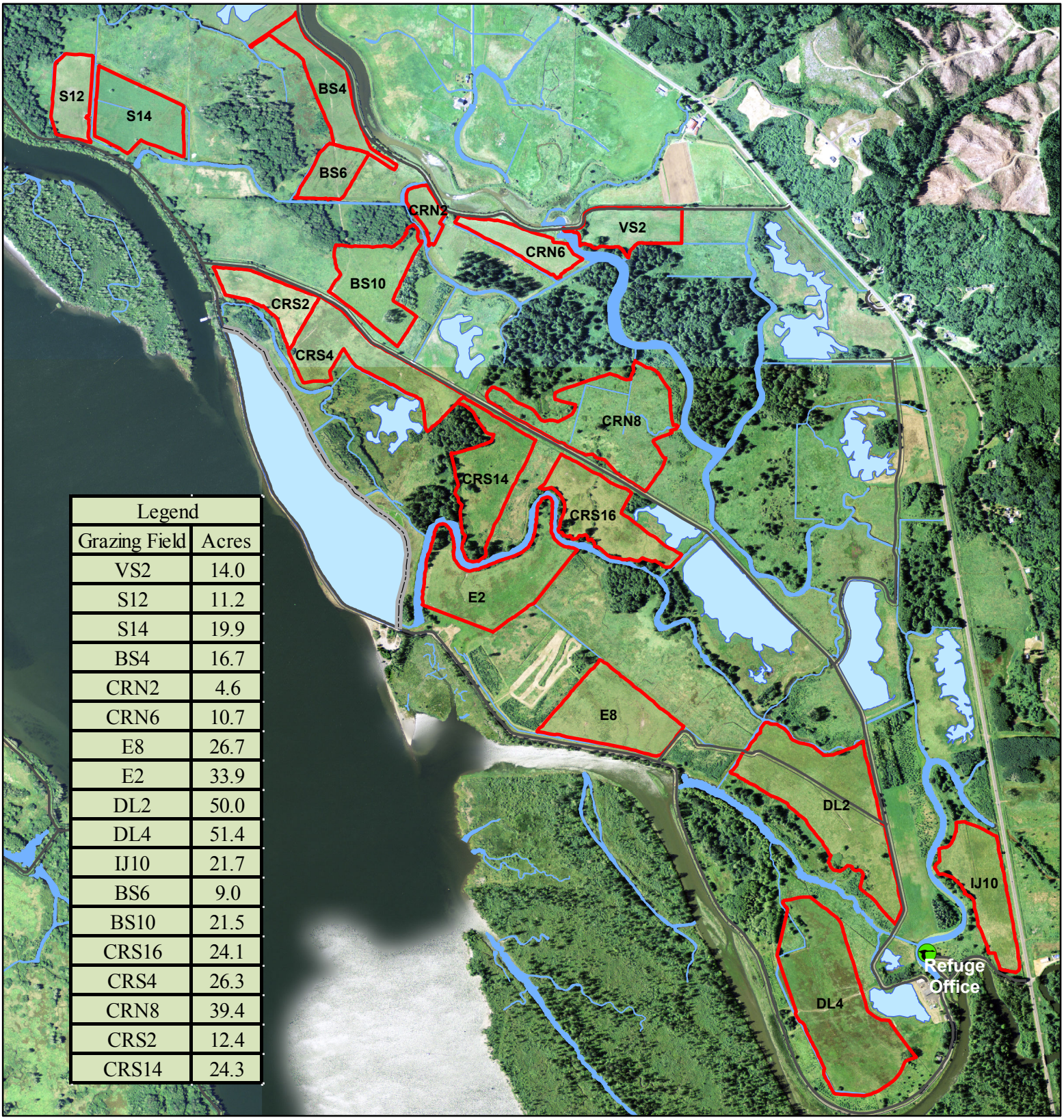

Legend
0 1.25 2.5 5 Miles
WILLAPA NATIONAL WILDLIFE REFUGE
LEWIS AND CLARK NATIONAL WILDLIFE REFUGE
JULIA BUTLER HANSEN REFUGE FOR THE COLUMBIAN WHITE-TAILED DEER
Cape Shoalwater
Tokeland
Raymond
South Bend
Stony Point
Willapa Bay
Leadbetter Point
Bay Center
Menlo
Doty
Willapa Bay
Oysterville
Lebam
Pe Ell
Frances
Boistfort
Pacific
Nemah
Ocean Park
WLP Tarlatt Unit
WLP Riekkola
Naselle
Grays River
Long Beach
Cape Disappointment
Rosburg
Ilwaco
Wahkiakum
Chinook
Altoona
Skamokawa
JBH Mainland Unit
Peacock Spit
Megler
Clatsop Spit
Hammond
Knappa
JBH Tenasillahe Island
Cathlamet
Warrenton
LNC Brownsmead Unit
Columbia
Oregon
Westport

U.S. Fish and Wildlife Service

Julia Butler Hansen Refuge for the Columbian White-Tailed Deer
Wahkiakum County, Washington

Mainland Unit
Grazing Program



Legend	
Grazing Field	Acres
VS2	14.0
S12	11.2
S14	19.9
BS4	16.7
CRN2	4.6
CRN6	10.7
E8	26.7
E2	33.9
DL2	50.0
DL4	51.4
IJ10	21.7
BS6	9.0
BS10	21.5
CRS16	24.1
CRS4	26.3
CRN8	39.4
CRS2	12.4
CRS14	24.3

Produced by the Biological Resources Program
Willapa NWRC - Ilwaco, Washington
Land Status Current to 08/2011
Map Date: 01/26/2015
Base Image: 2013 Wahkiakum County NAIP
File: C:\shared\GIS\Data\JBH\UPDATED BDRYs 2014

Miles
0 0.125 0.25 0.5

1 inch = 1,667 feet

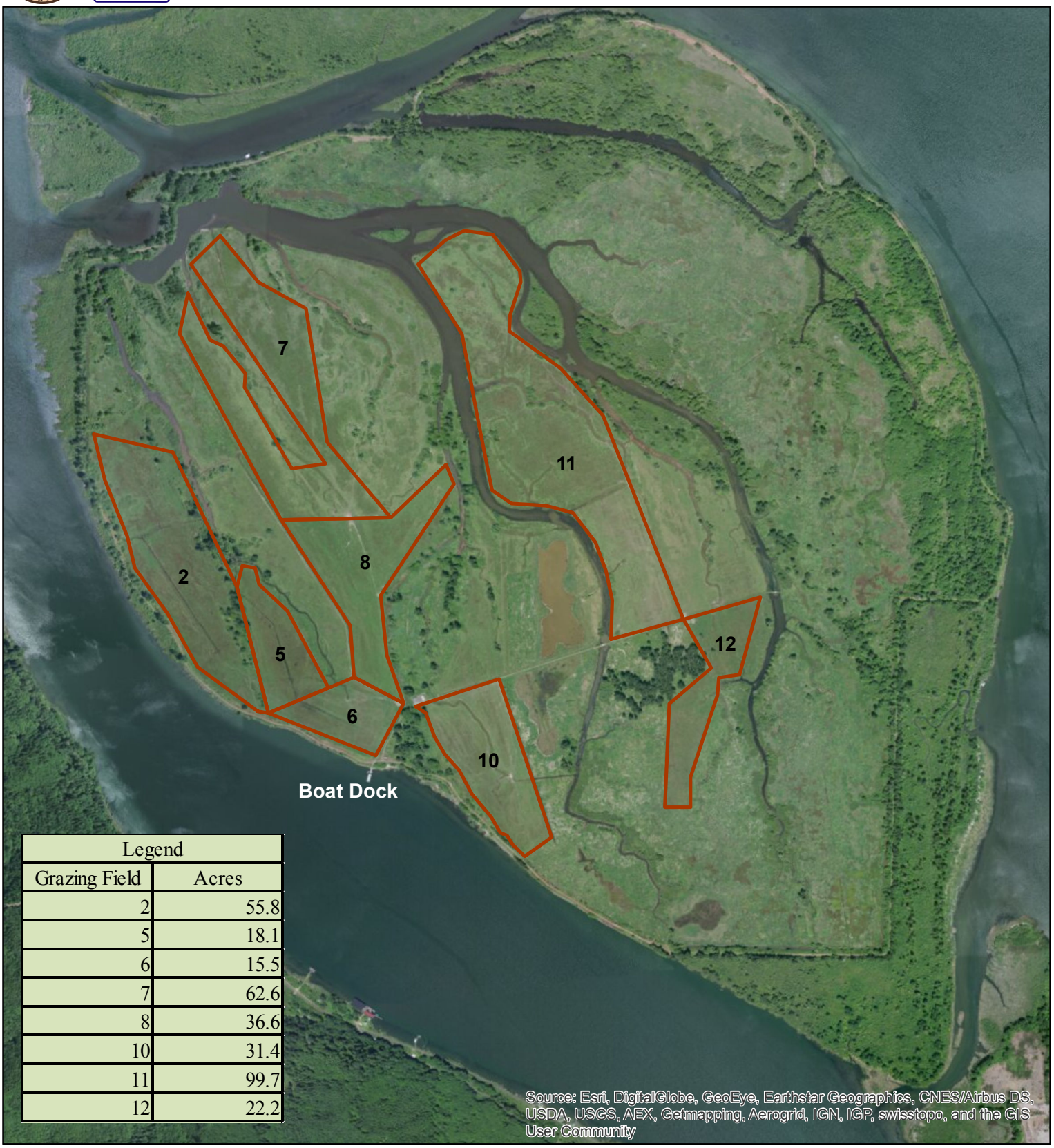
Kilometers
0 0.375 0.75 1.5

UTM Zone 10
NAD 83

U.S. Fish and Wildlife Service

Julia Butler Hansen Refuge for the Columbian White-Tailed Deer
Clatsop County, Oregon

Tenasillahe Island Unit
Grazing Program



Legend	
Grazing Field	Acres
2	55.8
5	18.1
6	15.5
7	62.6
8	36.6
10	31.4
11	99.7
12	22.2

Produced by the Biological Resources Program
Willapa NWRC - Ilwaco, Washington
Land Status Current to 08/2011
Map Date: 01/29/2015
Base Image: ESRI
File: Tenasillahe_Island_grazingunits_2015_PlanC.

Miles
0 0.125 0.25 0.5
1 inch = 1,483 feet
Kilometers
0 0.375 0.75 1.5

UTM Zone 10
NAD 83

U.S. Fish and Wildlife Service

Lewis and Clark National Wildlife Refuge

Clatsop County, Oregon

BrownsmeadUnit
Habitat Management Fields

Legend	
Field	Acres
BF1	4.8
BF2	7.9
BF3	8.7
BF4	13.9

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Produced by the Biological Resources Program
Willapa NWRC - Ilwaco, Washington
Land Status Current to 07/2013
Map Date: 01/14/2015
Base Image: 2013 NAIP 2m
File: lnc_brownsmead_habitat_mgmt_fields_2015

0.15 0.075 0 0.15 Mile

0.15 0.075 0 0.15 Kilometer

1 inch = 375 feet

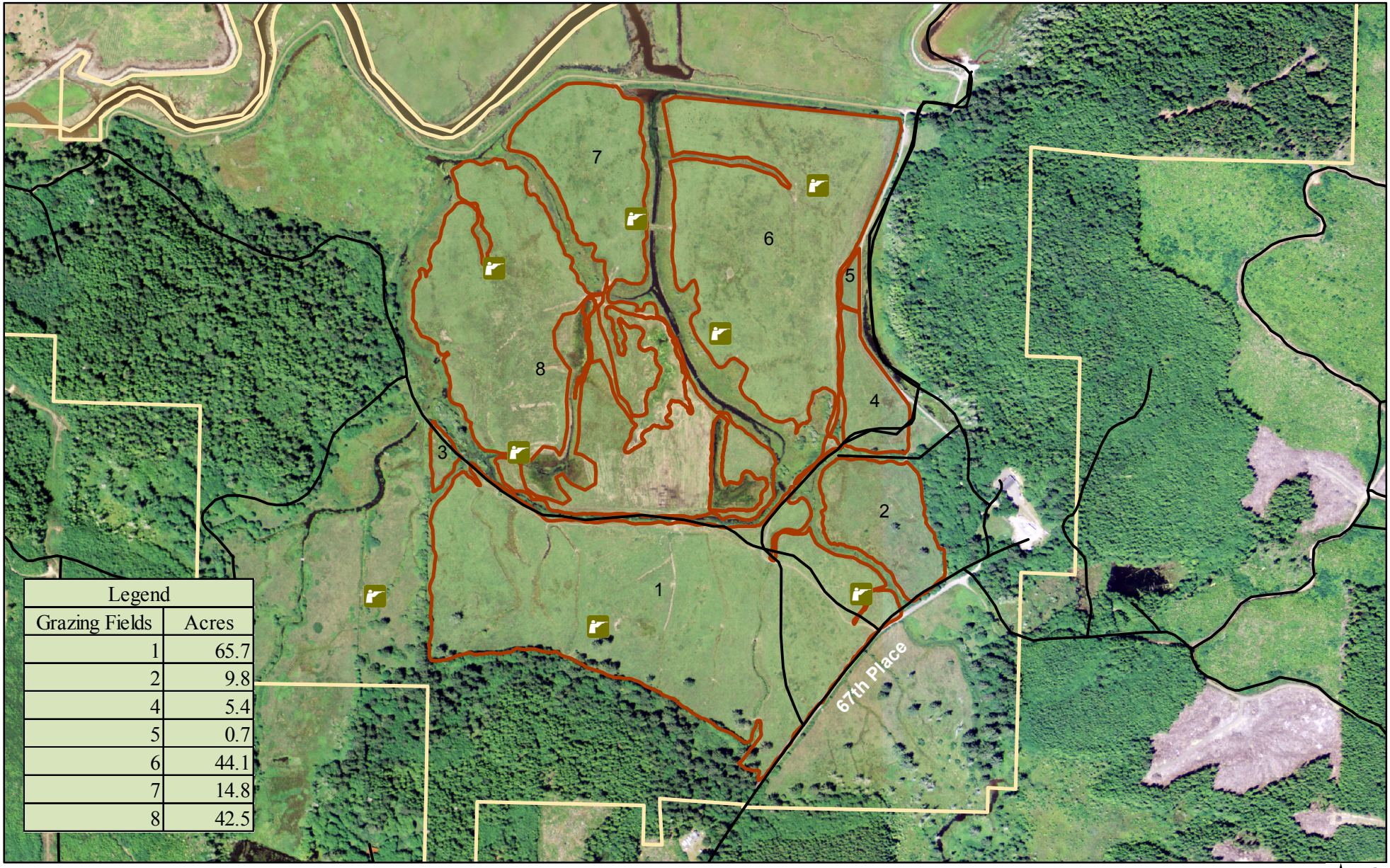
UTM Zone 10
NAD 83

U.S. Fish and Wildlife Service

Willapa National Wildlife Refuge

Pacific County, Washington

South Bay Units
Riekkola Habitat Management
Grazing Fields



Legend	
Grazing Fields	Acres
1	65.7
2	9.8
4	5.4
5	0.7
6	44.1
7	14.8
8	42.5

Produced by the Biological Resources Program
Willapa NWRC - Ilwaco, Washington
Land Status Current to 07/2013
Map Date: 01/12/2015
Base Image: 2013 NAIP 2m
File: wlp_so_bay_habitat_mgmt_Riekkola_grazing_2015

0.5 0.25 0 0.5 Mile

0.5 0.25 0 0.5 Kilometer

1 inch = 833 feet

UTM Zone 10
NAD 83

U.S. Fish and Wildlife Service

Willapa National Wildlife Refuge

Pacific County, Washington

South Bay Unit
Tarlatt Habitat Management

Produced by the Biological Resources Program
Willapa NWRC - Ilwaco, Washington
Land Status Current to 07/2013
Map Date: 1/13/2015
Base Image: 2013 NAIP 2m
File: wlp_tarlatt_haying_2015_HayFieldsOnly

0.2 0.1 0 0.2 Mile

0.2 0.1 0 0.2 Kilometer

1 inch = 400 feet

UTM Zone 10
NAD 83