

Appendix A. Background Information

Appendix A includes the following sub-appendices:

- A-1 Comparison of Observed and Normal Precipitation for Hoquiam, Washington
- A-2 Daily Precipitation for 10 Days Preceding Fieldwork, Hoquiam, Washington
- A-3 USGS Topographic Map
- A-4 National and Local Wetland Inventory Map
- A-5 NRCS Soil Survey Map

Appendix A-1. Comparison of Observed and Normal Precipitation

The Regional Delineation Supplement Version 2.0 (USACE 2010) recommends using methods described in Chapter 19 in Engineering Field Handbook (NRCS 2015) to determine if precipitation occurring in the 3 full months prior to the site visit was normal, drier than normal, or wetter than normal. Actual rainfall is compared to the normal range of the 30-year average. The following table shows this information.

Monthly precipitation data for Hoquiam Bowerman Airport, Washington (1971-2000)

Long-term rainfall records ^a									
Month	3 yrs. in 10 less than	Average	3 yrs. in 10 more than	Rain fall ^a	Condition dry, wet, normal ^b	Condition Value	Month weight value	Product of previous two columns ^c	Product of previous two columns ^d
April	3.62	4.98	5.86	1.57	dry	1	/3	-	3
March	5.40	7.24	8.47	5.75	normal	2	3/2	6	4
Feb.	5.76	8.40	10.01	8.75	normal	2	2/1	4	2
Jan.	6.54	9.79	11.72	17.27	wet	3	1/	3	-
Sum								13 (Normal)	9 (Dry)

^a NRCS 2021a

^b Conditions are considered normal if they fall within the low and high range around the average.

^c Applies to conditions prior to the March 30 - April 2; and April 13 -16 field observations.

^d Applies to conditions prior to the April 26 - 30 field observations.

Note: If sum is

6 - 9 then prior period has been drier than normal

10 - 14 then period has been normal

15 - 18 then period has been wetter than normal

Condition value:

Dry (D) = 1

Normal (N) = 2

Wet (W) = 3

Conclusions: Normal precipitation conditions were present prior to the March 30-April 2 and April 13-16 field visits. Drier than normal precipitation conditions were present prior to the April 26-30 field visit.

Appendix A-2. Daily Precipitation for 10 Days Preceding Fieldwork, Hoquiam Bowerman Airport, Washington

To determine if light, moderate, or heavy precipitation occurred in the 10 days prior to field work, the 10-day total is compared to one-third of the monthly average precipitation for the month evaluated (NRCS 2021a).

Daily precipitation data preceding the March and April field visits for Hoquiam Bowerman Airport, Washington.

Date (2021)	Daily Precipitation (inches) ^a
March 20	0.14
March 21	0.87
March 22	0.02
March 23	0
March 24	0.51
March 25	0.02
March 26	0
March 27	0
March 28	0.73
March 29	0.01
March 30	0
March 31	0
April 1	0
April 2	0
10-Day Sum	1.27 to 2.30
April 3	0
April 4	0
April 5	0
April 6	0
April 7	0.17
April 8	0.06
April 9	0.09
April 10	0.11
April 11	0
April 12	0

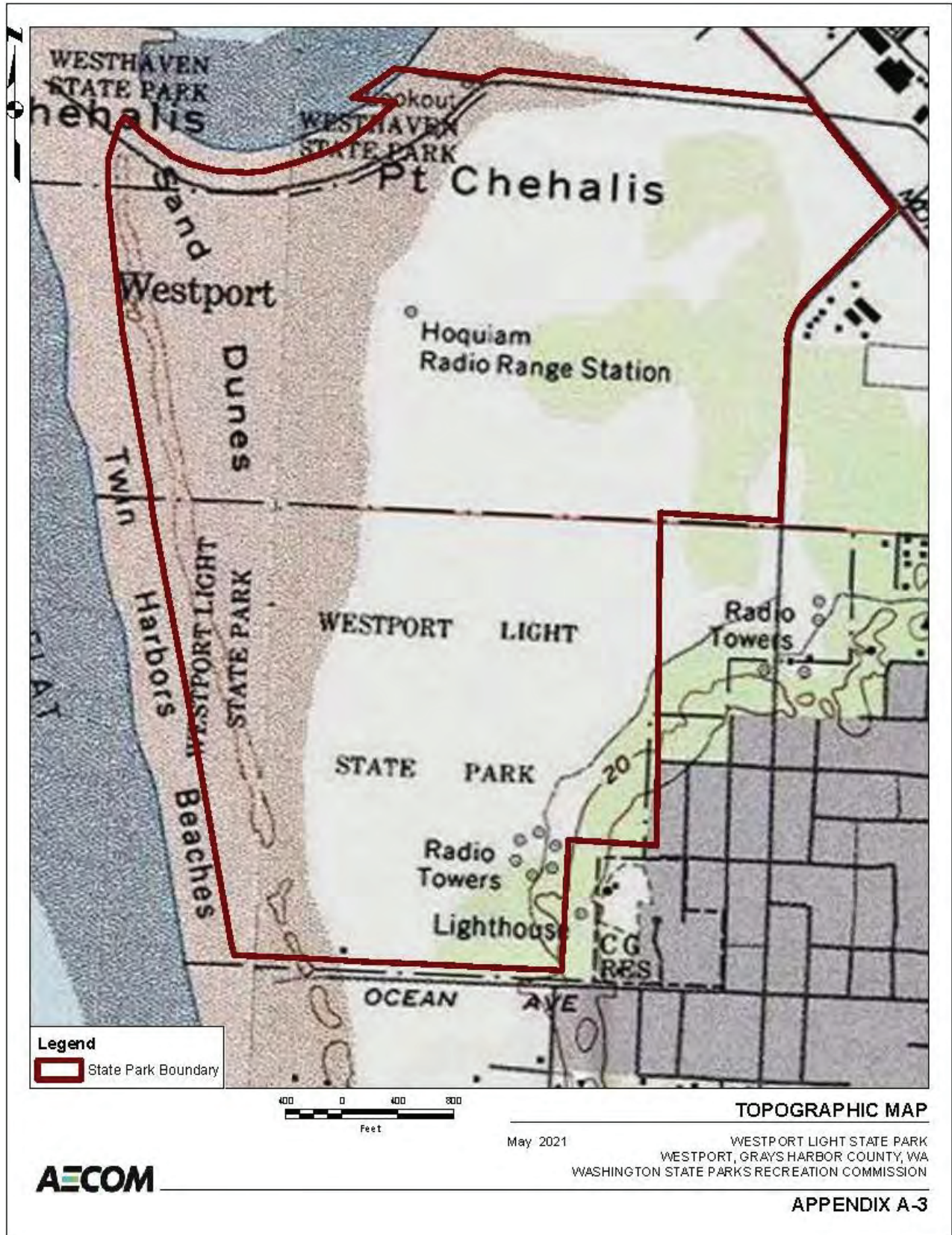
Date (2021)	Daily Precipitation (inches)^a
April 13	0
April 14	0
April 15	0
April 16	0
10-Day Sum	0.43
April 16	0
April 17	0
April 18	0
April 19	0
April 20	0
April 21	0
April 22	0
April 23	0
April 24	0.77
April 25	0.17
April 26	0.02
April 27	0
April 28	0
April 29	0
April 30	0.18
10-Day Sum	0.94 to 1.14

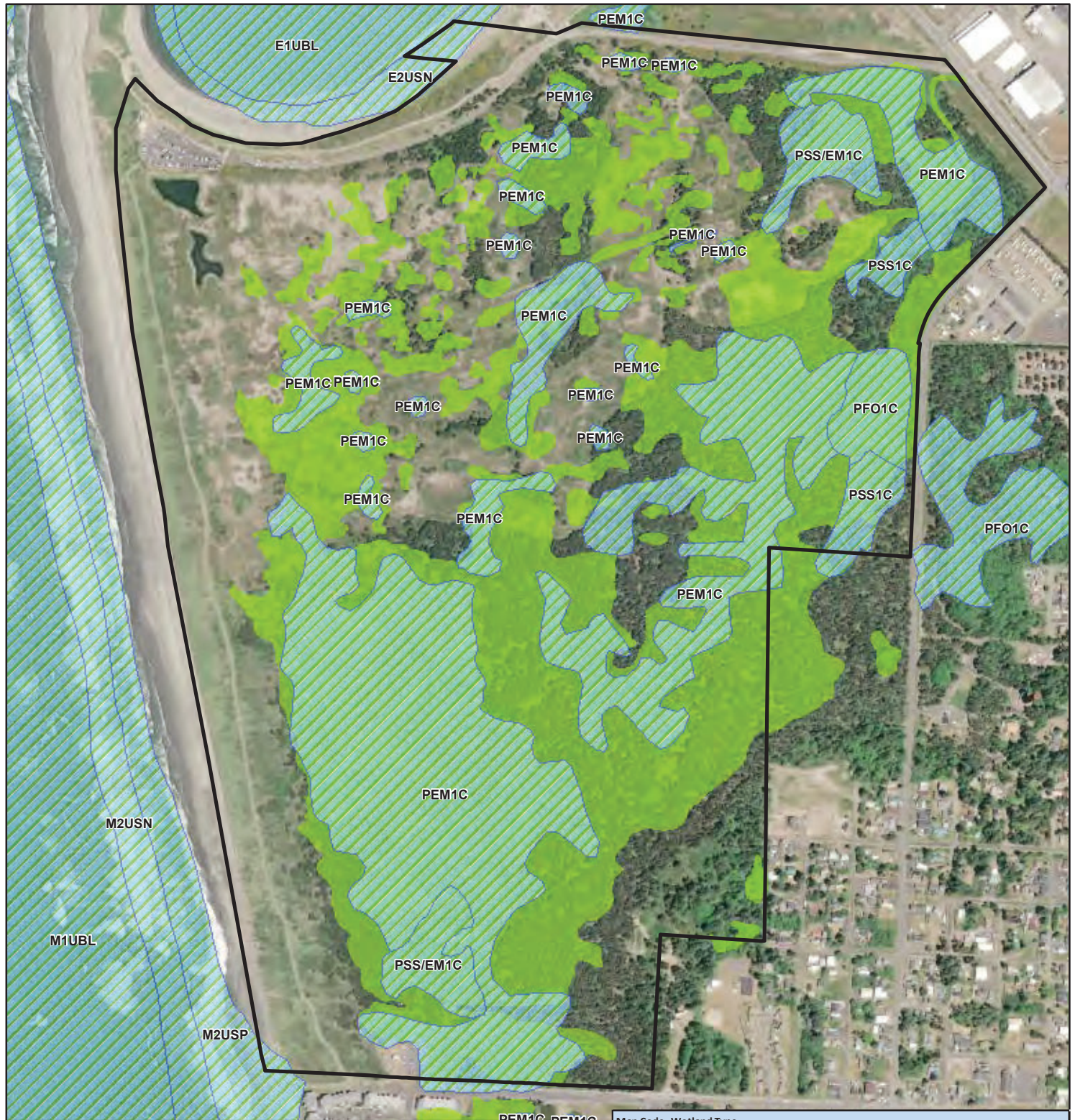
^a NRCS 2021a

Shaded rows are dates of field work




Conclusions: Moderate precipitation was recorded in the 10 days preceding the March 30-April 2 field work. Very light precipitation was recorded in the 10 days preceding the other two field visits in April.

Appendix A-3. USGS Topographic Map



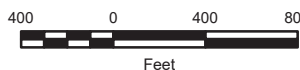


Legend

-  State Park Boundary
-  National Wetland Inventory (USFWS)
-  Potentially Associated Interdunal Wetlands (City of Westport)

Map Code Wetland Type

E2USN	Estuarine, Intertidal, Unconsolidated Shore, Regularly Flooded
M1UBL	Marine, Subtidal, Unconsolidated Bottom, Intertidal
M2USP	Marine, Intertidal, Unconsolidated Shore, Irregularly Flooded
PEM1C	Palustrine, Emergent, Persistent, Seasonally Flooded
PSS/EM1C	Palustrine, Scrub-Shrub/Emergent, Persistent, Seasonally Flooded
PSS1C	Palustrine, Scrub-Shrub, Broad-Leaved Deciduous, Seasonally Flooded
PFO1C	Palustrine, Forested, Broad-Leaved Deciduous, Seasonally Flooded



NATIONAL AND LOCAL WETLAND INVENTORY MAP

May 2021

WESTPORT LIGHT STATE PARK
WESTPORT, GRAYS HARBOR COUNTY, WA
WASHINGTON STATE PARKS RECREATION COMMISSION

Appendix A-5. NRCS Soil Survey Map

