

Memorandum

Date: August 29, 2019
To: Dorian Kuper, Kuper Consulting LLC
Steve Pfeiffer, Perkins Coie LLP
From: C. Mirth Walker, PWS, Senior Wetland Scientist
Subject: Clackamas County Mineral Aggregate Overlay Post Acknowledgement Plan Amendment
Cadman-Canby Pit Phase 4 Expansion: National Wetlands Inventory Mapping

SWCA Environmental Consultants (SWCA) is the wetland consultant of record for the Canby Pit Phase 4 Expansion, which includes properties west of S Barlow Road and southeast of Highway 99E in unincorporated Clackamas County, Oregon. The approximately 99.22-acre project site consists of Tax Lots 500, 600, 801, 1002, 1003, and 1004, and portions of Tax Lots 700, 800, and 801 on Tax Map 4 1 E 07, Clackamas County, Willamette Meridian. The impact area consists of a 1,500-foot buffer surrounding the project site.

NATIONAL WETLANDS INVENTORY MAPPING

The National Wetlands Inventory (NWI) mapped no wetlands on the site or within the 1,500-foot impact area of the site (Figure 1). The NWI mapped riverine, unknown perennial, unconsolidated bottom, permanently flooded (R5UBH) streams within the project site and within the 1,500-foot impact area. A palustrine unconsolidated bottom artificially flooded, excavated (PUBKx) pond is mapped within the eastern portion of the 1,500-foot impact area. These mapped features are not wetlands.

Based on our site reconnaissance conducted in December, 2018, it appears that the mapped streams within the project site are not shown in their actual location, and the on-site ditches do not contain perennial flow. There was no evidence of naturally occurring streams within the study area. All of the on-site ditches appeared to be excavated channels with sidecast soils nearby.

Further information regarding the ditches on the site is available upon request.

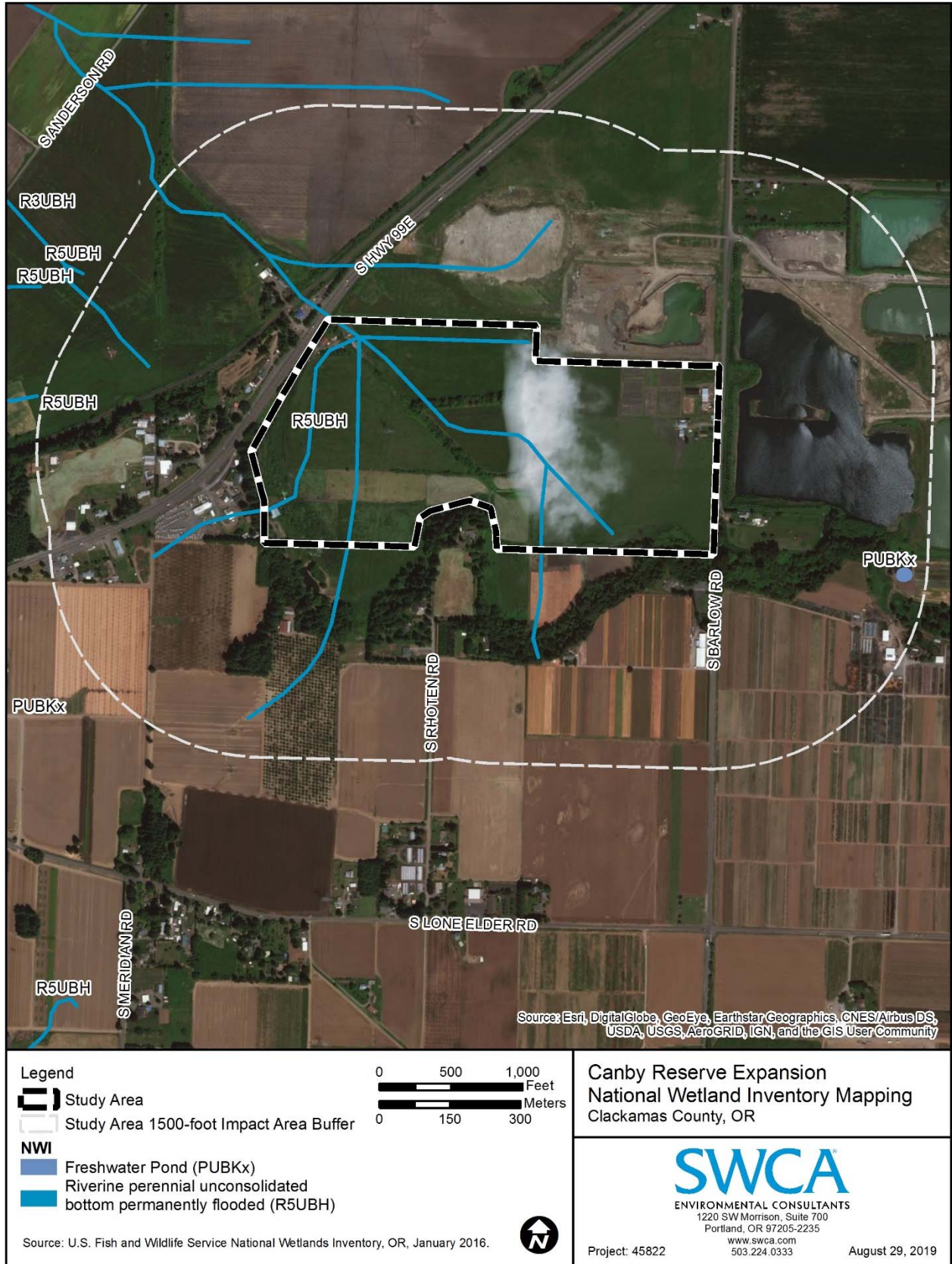


Figure 1. National Wetlands Inventory map.