

1.0 INTRODUCTION

TTL, Inc. (TTL) was contracted by Twin Pines Minerals, LLC (Twin Pines) to perform a delineation of the waters of the United States (WOTUS) associated with a proposed development of a heavy mineral mining operation in Saint George, Charlton County, Georgia (Figure 1). TTL conducted the field activities for this project from March 8, 2019 to March 22, 2019. The U.S. Army Corps of Engineers (USACE) project number is SAS-2018-00554.

Activities within jurisdictional waters of the U.S. are regulated by the USACE. Authority to permit discharges (fill) within jurisdictional wetlands or non-navigable waters of the U.S. is granted under Section 404 of the Clean Water Act (CWA) of 1972. Authority to permit work and placement of structures in navigable waters of the U.S. is granted under Sections 9 and 10 of the Rivers and Harbors Act of 1899. For regulatory purposes under the CWA, wetlands are defined by the USACE as:

Those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs and similar areas.

2.0 SITE DESCRIPTION

The site is an approximately 551.1-acre area depicted on the U.S. Geological Survey (USGS) 7.5-minute Topographic Map of Saint George, Georgia (Figure 1). The center of the site is located near latitude 30.537849 and longitude -82.099831. According to the USGS Topographic Map, the elevation at the site ranges from approximately 120 to 170 feet above mean sea level.

The western delineation area boundary follows a portion of Trail Ridge Road. The delineation area has historically been used for silvicultural activities. The primary sources of hydrology for the delineation area are onsite rainfall and surface water flow.

Driving directions to the site are as follows: from the intersection of GA-23 and GA-94 (in St. George, GA), travel west along GA-94 for approximately 6.93 miles to the intersection of GA-94 and Trail Ridge Road (dirt road). Turn north (right) onto Trail Ridge Road and the western boundary of the delineation area is located immediately east.