

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 23- April 10, 2019.

Activities within jurisdictional waters of the U.S. are regulated by the U.S. Army Corps of Engineers (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 1,143-acre area depicted on the U.S. Geological Survey (USGS) 7.5-minute Topographic Maps of Moniac, Georgia and Saint George, Georgia (Figure 1). The center of the site is located near latitude 30.526268 and longitude -82.14322. According to the USGS Topographic Map, the elevation at the site ranges from approximately 120 to 165 feet above mean sea level.

The delineation area is located just north of GA-94. The eastern delineation area boundary follows a portion of T-Model Road. Although not well-defined, the historic Trail Ridge is located to the east of the delineation area. 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 3.9 miles to the intersection of GA-94 and Boggy Break Road (dirt road). This location is near the southeast corner of the delineation area.