

1.0 GENERAL DESCRIPTION OF PROJECT AREA AND PROPOSED MINING

Twin Pines Minerals is the applicant for the Individual Permit Application. The project study area consists of approximately 12,000 acres comprised of 6 different tracts of land located near Saint George in Charlton County, Georgia. The first mining phase project site area is an approximately 2,413.97-acre area that comprises the southern-most portions of the Keystone, Adirondack and TIAA tracts. The area will be mined in phases. Each phase will be mined at approximately 25-40 acres per month and backfilled and graded within approximately 30 days following excavation. Planting will occur during the appropriate planting season. The depth of mining across the property will vary based on the resource but will average 50 feet below land surface, with the exception of the TIAA property, where it will be mined 25 feet below land surface. The first mining phase is located as depicted on the U.S. Geological Survey (USGS) 7.5-minute Topographic Map of Moniac, Georgia and Saint George, Georgia (Figure 1). The first mining block project review area center is located near latitude 30.521458 and longitude -82.10593. According to the USGS Topographic Map, the elevation at the project area ranges from approximately 126-172 feet above mean sea level. The adjacent property owners are depicted on Figure 2 and summarized in the Table 1 below.