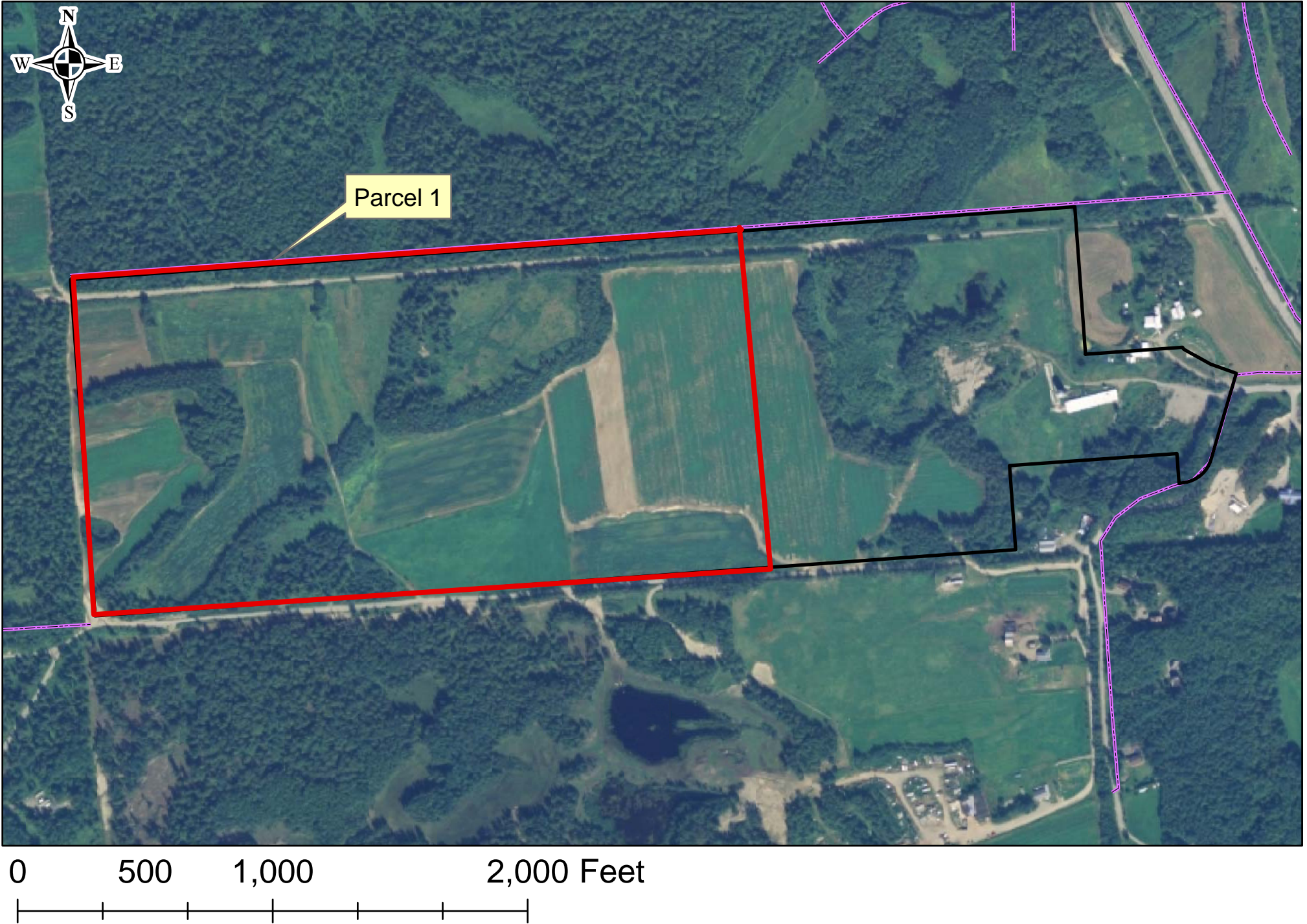
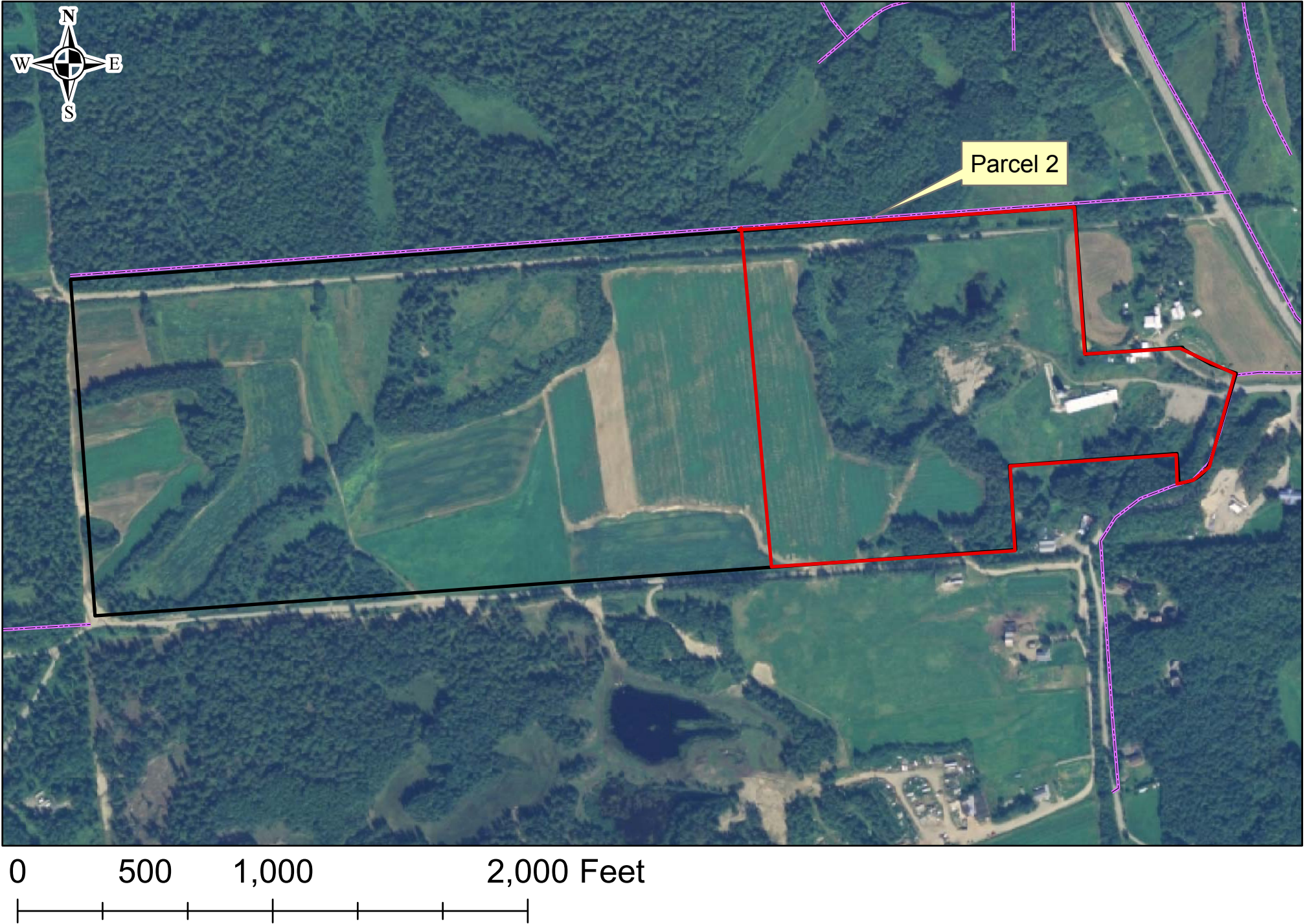


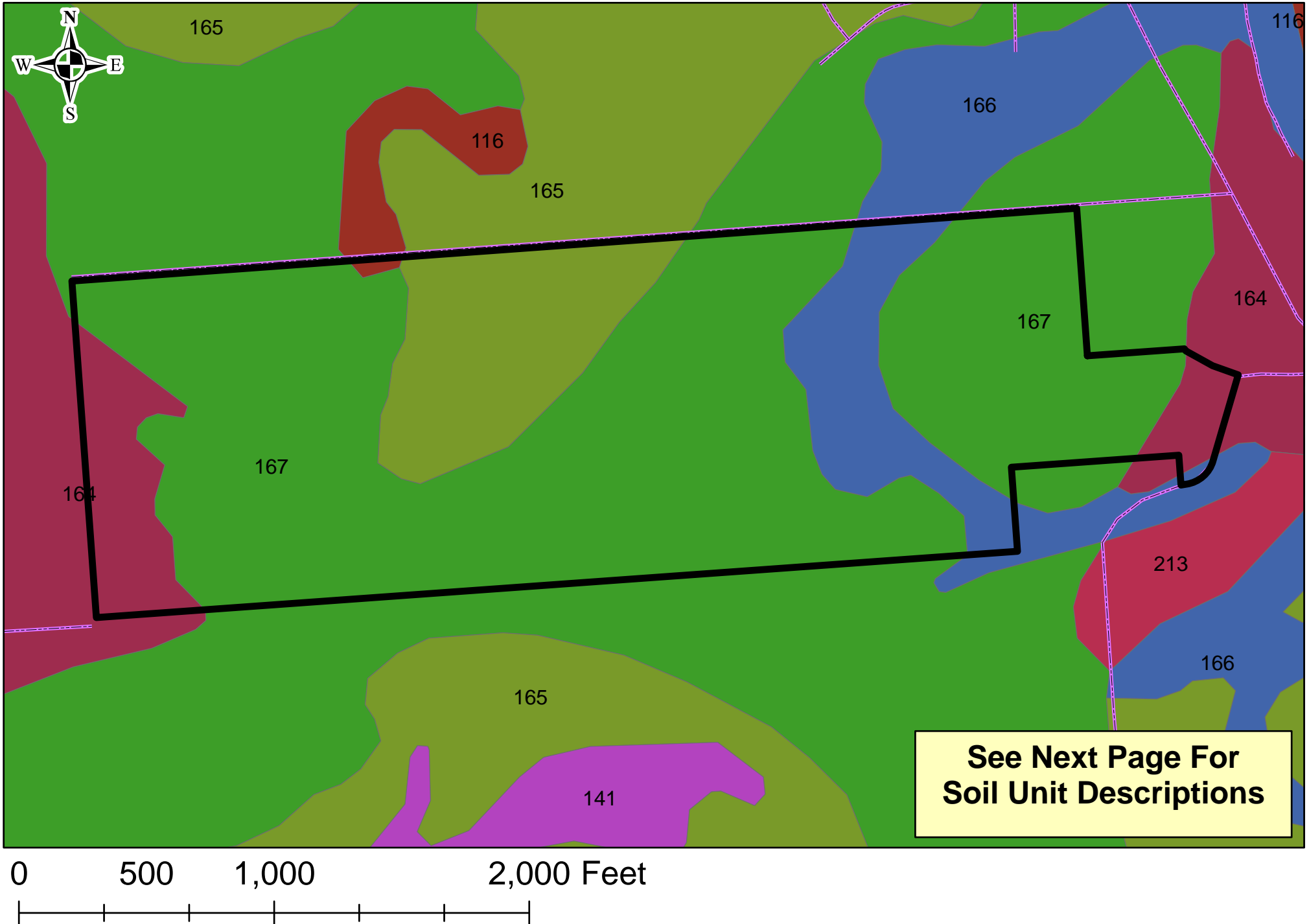
Boyd State Farm Conservation Plan - parcel 1



Boyd State Farm Conservation Plan - parcel 2



Boyd State Farm Conservation Plan - Soils



Boyd State Farm Conservation Plan Soil Descriptions

Map unit: 116 - Cryaquepts, depressional, 0 to 7 percent slopes

Component: Cryaquepts, depressional (90%)

The Cryaquepts, depressional component makes up 90 percent of the map unit. Slopes are 0 to 7 percent. This component is on outwash plains. The parent material consists of silty volcanic ash and/or silty loess over gravelly glacial drift and/or loamy outwash. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 9 inches during January, February, March, April, May, June, July, August, September, October, November, December. Organic matter content in the surface horizon is about 60 percent. Nonirrigated land capability classification is 7w. This soil meets hydric criteria.

Map unit: 164 - Knik silt loam, 0 to 3 percent slopes

Component: Knik (90%)

The Knik component makes up 90 percent of the map unit. Slopes are 0 to 3 percent. This component is on outwash plains. The parent material consists of loess over sandy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 11 to 27 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 85 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.

Map unit: 165 - Knik silt loam, gently sloping and moderately steep

Component: Knik, gently sloping (55%)

The Knik, gently sloping component makes up 55 percent of the map unit. Slopes are 2 to 12 percent. This component is on hills. The parent material consists of loess over sandy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 11 to 27 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 85 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Knik, moderately steep (35%)

The Knik, moderately steep component makes up 35 percent of the map unit. Slopes are 12 to 30 percent. This component is on hills. The parent material consists of loess over sandy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 11 to 27 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 85 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Map unit: 166 - Knik silt loam, steep and sloping

Component: Knik, steep (65%)

The Knik, steep component makes up 65 percent of the map unit. Slopes are 15 to 65 percent. This component is on hills. The parent material consists of loess over sandy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 11 to 27 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 85 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Knik, sloping (25%)

The Knik, sloping component makes up 25 percent of the map unit. Slopes are 2 to 15 percent. This component is on hills. The parent material consists of loess over sandy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 11 to 27 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 85 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Map unit: 167 - Knik silt loam, undulating

Component: Knik (90%)

The Knik component makes up 90 percent of the map unit. Slopes are 0 to 7 percent. This component is on outwash plains. The parent material consists of loess over sandy and gravelly outwash. Depth to a root restrictive layer, strongly contrasting textural stratification, is 11 to 27 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 85 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria.