

10.3. Adding new roads to the Brown Tract roads GIS database. A set of roads have been captured with GPS equipment. They are stored in the GIS database called "New_roads." Update the Brown Tract roads GIS database by incorporating these new roads. Use your best judgment to attribute them in a consistent manner with the attributes in the roads GIS database.

a) How many miles of dirt roads were in the original roads GIS database?

11,893.4 feet of dirt roads, or 2.25 miles.

b. How many miles of dirt roads are contained in the updated roads GIS database?

12,811.9 feet of dirt roads, or 2.43 miles.

c. How many miles of rock surface roads were in the original roads GIS database?

217,802.3 feet of rock roads, or 41.3 miles.

d. How many miles of rock surface roads are contained in the updated roads GIS database?

221,809.5 feet of rock roads, or 42.0 miles.