CE202 In-Class Exercise Week 9 - Vector Analysis

Name:

Date:

Using the WK9_Data and MS Visio Flowchart answer the questions below.

Problem:
Given the rapid growth in student enrollment at OSU, your client would like to purchase a site to build a new residential duplex building in Corvallis. Your job is to identify candidate sites for development. Potential sites must be completely

- Within 0.3 mile of a parcel owned by CORVALLIS SCHOOL DIST 509J (use Taxlots.shp)
- Within 0.3 mile of an open area (OpenArea.shp)
- Within the city limits of Corvallis (CityLimit_Poly.shp)
- Not included within the central business district (CentralBusinessDistrict_polygon.shp)

A. What is the total area (in acres) of land that meets the requirements listed above?

B. How many parcels (taxlots) are potential candidates? Do not worry that your solution includes parcels owned by Corvallis School District and other State agencies. This is ok.

C. What is the contact information provided for the owner of the largest parcel/tax lot that isn’t owned by a state, county or city agency?

D. What is the area (in acres) of that lot found in F?

E. Capture a screen shot highlighting the potential tax lots in D.