

## **Land Use Simulation Game**

### **Activity Sheet A: Brainstorming Possible Land Uses**

Note: Although the recent clear cut is real, as is the map, place names, some of the area's industry information, and many pieces of the following information about Charleston are fictionalized to increase the effectiveness of this activity.

"160 acres of forestland upland of the South Slough has been clear cut and is now available for the city's use. Find the clear cut on Map; it is the area (ridgeline) from the road down to the confluence of Hayward and Farley Creeks in grids 15 and 22. Then read the background information. List some possible land uses of the recent clear cut."

#### **Background information:**

- The population of Charleston is 75,000 and is rapidly increasing.
- The city's boundaries are being extended, but the suburban fringe is expanding even more rapidly.
- The rapid population growth is accompanied by demands for more housing, more jobs, and additional city services, and recreation areas.
- The power for industrial uses, adequate public transportation, and a skilled labor force are available.
- The area is located within second growth forests, just upland of a federally protected estuary, has farmland nearby, and is four miles from the Oregon coastline.
- The South Slough is unpolluted and has many commercial oyster farms on it. Although it is too small for freight transportation, logs could be floated on it.
- The gravel bed of the Winchester River (fictionalized from a creek) is appropriate raw material for concrete manufacture.
- The present sewage treatment plant and garbage disposal are at maximum capacity.
- Citizens of the area are concerned about the maintenance of a scenic regional environment and a local organization, The South Slough National Estuarine Research Reserve has been trying to acquire land along the slough to increase the size of the Reserve and protect the upland forests from development and continued clear cuts which impact the integrity of the Slough.
- The County Board of Commissioners is the Authority for land zoning, and many citizens' groups are being formed to influence zoning decisions.

#### **List possible uses for the land.**

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2. \_\_\_\_\_
3. \_\_\_\_\_
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7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_

<http://topozone.com/map.asp?z=10&n=4796462&e=392803&s=50>

1:25,000	1:50,000	1:100,000	1:200,000
Small	Medium	Large	

