

Name: _____ Block: _____ Date: _____

GOOGLE EARTH WATERSHED INVESTIGATION

Map Review by Ms. Lea (show Ms Lea when you finish this assignment) _____

1. Open Google Earth on your laptop.
2. **WATERSHED LANDMARKS:** Search for the following locations using the search bar on the left. Once you have found the location, click on the yellow thumb tack and mark each location. You will need to type the name of the location into the thumb tack marker:
 - Your house (enter the address)
 - Lincoln Middle School
 - Presumpscot River
 - Back Cove
 - Casco Bay
 - Sebago Lake
3. Save your places (select "File", then "Save", then "Save my Places")
4. Follow the path of the Presumpscot River. Where does it get its water from?
5. What body of water does the Presumpscot River drain into?
6. Looking at the map, there is no obvious source of water for Sebago lake. Where do you think the water in Sebago lake comes from?
7. What body of water is closest to your house?
8. Zoom out so that you can see all of the Presumpscot River between Casco Bay and Sebago Lake. Select the "Path" button (two over from the thumb tack button on the top of the screen). Trace the path from the mouth of the Presumpscot River to Sebago Lake. Label the path "Presumpscot River." Save your file.

9. LAND USE LANDMARKS: Search for the following locations using the search bar on the left. Once you have found the location, click on the yellow thumb tack and mark each location. You will need to type the name of the location into the thumb tack marker. Complete the chart as you go:

Land-Use	Problems it could cause for the watershed	Concerns about where it is located (or why you do not have concerns)
Sappi Paper Mill		
The Maine Mall		
Portland Jetport (airport)		
Riverside Municipal Golf Course		

Land-Use	Problems it could cause for the watershed	Concerns about where it is located (or why you do not have concerns)
EcoMaine (landfill)		
Fore River Sanctuary (land preserve)		
Smiling Hill Farm (dairy/cows)		
Portland Water Treatment Facility (this will not come up in the search, you will have to find the facility by sight, it is where Back Cover enters into Casco Bay, ask for help from a teacher if you have trouble).		
Interstate 295		

10. Where would you expect to find the cleanest water in this area? Why?

11. Where would you expect to find the most contaminated water in this area? Why?

12. Do you think it is possible for pollution from Sebago lake to get into Casco Bay? Explain.

13. If you were in charge of reducing pollution in this watershed by changing how the land is used, what would your recommendations be? Explain your top 3 recommendations. You can add an addition page if needed.
