**Pre-Lab Questions**

1. Define (in your own words) what is water quality?

2. Describe how you believe the quality of water effects aquatic organisms.

3. How do you think we are going to go and test water quality?

4. Why would you want to monitor water quality in a stormwater pond?

5. Where else is water quality monitored? Why?

6. Besides aquatic organisms, who else is affected by poor water quality?

**Field Survey Physical Observations**

1. Describe in your own words the location of the retention pond.
2. Based on your observations of the terrain, in what direction do you think water drains in this watershed (pond)? Why?
3. Complete the table with your observations:

|  |  |  |  |
| --- | --- | --- | --- |
| Map Point | Observations  Notes about land use, slope, standing or running water, structures, vegetation, roads | Map Point | Possible Sources of Pollution  Note drain pipes, fuel tanks, livestock (animals), areas where pesticides or nutrients may be applied |
| A |  | K |  |
| B |  | L |  |
| C |  | M |  |
| D |  | N |  |
| E |  | O |  |
| F |  | P |  |
| G |  | Q |  |
| H |  | R |  |
| I |  | S |  |
| J |  | T |  |

1. Draw a picture (aerial view) and label with your observations and sources of pollution.