

**Make some observations of the stream and answer the following questions:**

- 1) Does this stream appear to be deep or shallow?
- 2) Is this stream overall slow moving, still & stagnant or fast flowing & turbulent?
- 3) Do you see much submerged or partially submerged aquatic vegetation?
- 4) Do you see any evidence of an algae bloom?
- 5) Do you predict a high nitrogen or bacteria content in the stream? If so, from what source?
- 6) Do you predict the water in the stream will be very saline (salty)?
- 7) Do you predict the water will be very warm or cool?
- 8) Based upon your observations, do you predict this stream will have high or low DO?
- 9) Now, considering your observations, Generate and/or modify your research questions and hypotheses about dissolved oxygen in aquatic ecosystems.
- 10) Generate some questions and that you could test by collecting water temperature and dissolved oxygen data: