

Shared Interests: Field Trip Suggestions

Always contact landowners for permission or verify public-private land boundaries prior to doing any type of field investigation.

Helpful Materials: thermometer; measuring tape; yard stick; hip boots; USGS topographic maps and/or aerial photos; plant, fish, and/or wildlife identification guides; the attached worksheet.

Pre-Trip: Use a map or photo to divide the waterbody into labeled sections. A USGS map, aerial photo, or

hand-drawn map would all be appropriate. Assign a group of students to each section.

Post-Trip: Compare students' measurements, observations, and habitat assessments. Does the waterbody appear to be hosting a diversity of habitats, or is it fairly similar across sections?

Shared Interests: Shoreline Development Field Record

Working in teams, survey the degree of shoreland development along a 100' stretch of a nearby shoreline. This includes the area extending from the shoreline out to the point where plant growth is no longer evident. Mark the area on land with flags to define your survey. Remember to remove the flags when you leave.

TEAM NAME AND TEAM MEMBERS: _____ DATE _____

Location of Trip

WATERBODY _____ COUNTY _____ TOWN, VILLAGE, CITY OF _____ SECTION ASSIGNED: _____

OTHER LOCATION NOTES _____

Waterbody Information

WATERBODY TYPE (CIRCLE ONE): LAKE, POND, STREAM, FLOWAGE, WETLAND, RIVER, OTHER: _____

SOURCE FROM _____ TRIBUTARY TO _____ IS THE WATERBODY HUMAN-CONSTRUCTED? IF SO, WHEN WAS IT MADE? _____

APPROXIMATE SIZE OF WATERBODY _____ IS/WAS THE WATERBODY NAVIGABLE/NAVIGATED (ABLE TO FLOAT A CANOE OR LOG) _____

Substrate composition (sand, gravel, mucky, mixed): _____

Does the water appear to be higher, lower, or at normal levels? (circle one) How did you make this decision? _____

Initial Observations (evidence of wildlife, erosion, pollution, etc.)

DISTANCE (FROM SHORE)	TIME	DEPTH	TEMPERATURE	D.O.
1.	_____	_____	_____	_____
2.	_____	_____	_____	_____
3.	_____	_____	_____	_____
4.	_____	_____	_____	_____
5.	_____	_____	_____	_____

Shared Interests: Shoreline Development Field Record, *continued*

Shoreline Conditions

LOCATION _____

Description of bank cover (estimate of the percent of bank covered by grass, trees, shrubs, dirt):

Number of logs on the shoreline: _____ Number of logs in the water: _____

Description of visible aquatic plants:

Emergent: _____

Floating: _____

Submergent: _____

Estimate the percent of visible water with plants in it:

Description of development (buildings, docks, seawalls, boats, etc.):

Description of detached development (rafts, water trampolines, etc.):

Assessment of Habitat

Based on your observations, what species of fish would live in this area of the water?

What concerns might you have concerning this waterbody, if any?

Based on your observations, would you say that there are development concerns related to this waterbody?

Additional Comments

Based on your observations, would you say that there are development concerns related to this waterbody?
