

# Station A: Physical Characteristics

**Group:** \_\_\_\_\_

**Land Use:** Check all that apply (visible from your location):

- Commercial/Industrial (factories, shops, offices)
- Landfill
- Residential (houses and apartments)
- Forest
- Old Field (overgrown farming field)
- Wetland (swampy area)
- Cropland (active farm field)
- Orchard/Vineyard/Nursery (active fruit trees, vines, and flowers grown for human use)
- Golf Course
- Pasture (grassy areas for farm animals)
- Other (explain) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## **Weather:**

Current Weather: \_\_\_\_\_

Current Air Temperature: \_\_\_\_\_ °C \_\_\_\_\_ °F

Weather conditions in the past 24 hours: \_\_\_\_\_

## **Local Characteristics (Debris in the Water):**

Item	Number

## **Water Appearance/Odor:**

- Clear
- Murky
- Tea-Brown
- Algae
- Oily
- Unusual Odor
- Other: \_\_\_\_\_  
\_\_\_\_\_

## **Water Temperature:**

Current Water Temperature: \_\_\_\_\_ °C \_\_\_\_\_ °F

## **Turbidity:**

Turbidity: \_\_\_\_\_ Centimeters

## **Substrate:**

Texture: \_\_\_\_\_



## **Station B: Chemical Characteristics**

**Group:**

**pH:**

*pH:* \_\_\_\_\_

**Dissolved Oxygen:**

*Dissolved Oxygen:* \_\_\_\_\_ mg/liter

**Nitrate and Nitrogen:**

*Nitrogen:* \_\_\_\_\_ mg/liter (or ppm)

**Phosphate:**

*Phosphate:* \_\_\_\_\_ mg/liter (or ppm)



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through a grant from the State of New York.



## Station C: Biological Characteristics

**Group:** \_\_\_\_\_

**Who Cares?** Good question! Given what you have learned in class and on this field study, why should we care about the aquatic life of in the canal?

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**Instructions:** Collect and examine samples of aquatic life that you find in and along the canal. Draw a detailed sketch and use the materials in this station to try to identify each organism.



*Where did you find it?* \_\_\_\_\_

*What do you think it is?* \_\_\_\_\_

*Color:* \_\_\_\_\_

*Number of legs:* \_\_\_\_\_

*Number of wings:* \_\_\_\_\_

*Number of antennae:* \_\_\_\_\_

*Number of body sections:* \_\_\_\_\_

*Special features:* \_\_\_\_\_

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*Description:* \_\_\_\_\_

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## Station C: Biological Characteristics

**Group:**

Where did you find it? \_\_\_\_\_

What do you think it is? \_\_\_\_\_

Color: \_\_\_\_\_

Number of legs: \_\_\_\_\_

Number of wings: \_\_\_\_\_

Number of antennae: \_\_\_\_\_

Number of body sections: \_\_\_\_\_

Special features: \_\_\_\_\_

\_\_\_\_\_

Description: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Where did you find it? \_\_\_\_\_

What do you think it is? \_\_\_\_\_

Color: \_\_\_\_\_

Number of legs: \_\_\_\_\_

Number of wings: \_\_\_\_\_

Number of antennae: \_\_\_\_\_

Number of body sections: \_\_\_\_\_

Special features: \_\_\_\_\_

\_\_\_\_\_

Description: \_\_\_\_\_

\_\_\_\_\_



**Station C: Biological Characteristics**

**Group:**



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