

**Stantec**

**BROOKE-ALVINSTON WIND FARM  
WATER REPORT**

# **Appendix C**

## **Field Notes**



# RAPID ASSESSMENT FORM FOR AQUATIC HABITAT

**Stantec**

Project Green Breeze  
Station # D  
Photos Taken 1502-0510  
GPS Coordinates 17T 0425298E 4752294N

Project # 160960567  
Field Staff ME, RD  
Date 12:48  
Time July 26, 2010

Descriptive Location Ebenezer Rd, south of Churchill Rd, west of location for proposed WFG station contains two dry agricultural swales. Indirect fish habitat the north depression is visible east of Ebenezer Road for approx. 8 m.

### Water Quality

Dissolved Oxygen (mg/L) \_\_\_\_\_ pH \_\_\_\_\_ Conductivity ( $\mu$ S/cm) \_\_\_\_\_  
Water Temperature ( $^{\circ}$ C) \_\_\_\_\_ Air Temperature ( $^{\circ}$ C) \_\_\_\_\_  
Weather conditions in previous 24 hrs \_\_\_\_\_

### Watercourse Dimensions & Morphology

Mean Watercourse Width \_\_\_\_\_ (m) Maximum Pool Depth \_\_\_\_\_ (cm)  
Mean Bankfull Width \_\_\_\_\_ (m) Mean Water Depth \_\_\_\_\_ (cm)  
\_\_\_\_\_ % Riffle \_\_\_\_\_ % Pool \_\_\_\_\_ % Run \_\_\_\_\_ % Flat  
Evidence of eroding banks, Comments on bank stability \_\_\_\_\_

### Substrate - Upstream (% cover)

\_\_\_\_\_ Bedrock \_\_\_\_\_ Silt \_\_\_\_\_ Boulder \_\_\_\_\_ Clay \_\_\_\_\_ Cobble  
\_\_\_\_\_ Muck \_\_\_\_\_ Gravel \_\_\_\_\_ Marl \_\_\_\_\_ Sand \_\_\_\_\_ Detritus

### Substrate - Downstream (% cover)

\_\_\_\_\_ Bedrock \_\_\_\_\_ Silt \_\_\_\_\_ Boulder \_\_\_\_\_ Clay \_\_\_\_\_ Cobble  
\_\_\_\_\_ Muck \_\_\_\_\_ Gravel \_\_\_\_\_ Marl \_\_\_\_\_ Sand \_\_\_\_\_ Detritus

### In-water Cover

Cover Types Present (circle): \_\_\_\_\_ Undercut Banks \_\_\_\_\_ Deep Pool \_\_\_\_\_ Vascular Plants \_\_\_\_\_  
Overhanging Vegetation \_\_\_\_\_ Woody Debris \_\_\_\_\_ Boulder \_\_\_\_\_ Other \_\_\_\_\_

### Riparian Zone

Riparian Cover (% of watercourse shaded, dominant vegetation, mature or early successional)  
Upstream \_\_\_\_\_  
Downstream \_\_\_\_\_  
Adjacent Land Use  
Upstream \_\_\_\_\_  
Downstream \_\_\_\_\_

### Fish Habitat Potential

Critical Habitat (spawning or nursery areas, groundwater upwellings)  
Upstream \_\_\_\_\_  
Downstream \_\_\_\_\_  
Migratory Obstructions (seasonal, permanent)  
Upstream \_\_\_\_\_  
Downstream \_\_\_\_\_  
Note any fish observations \_\_\_\_\_

### Other Habitat Notes, Incidental Wildlife Observations, etc.

\_\_\_\_\_  
\_\_\_\_\_