

## Appendix D. Water-Quality Monitoring Station Data Sheet

|                                                          |                   |
|----------------------------------------------------------|-------------------|
| Park Code:                                               | YSI serial #:     |
| Date:                                                    | Time:             |
| Field crew names:                                        |                   |
| Hexagon #:                                               | Station serial #: |
| Any stations rejected? (Y / N). Rationale for rejection. |                   |

|                                          |                      |
|------------------------------------------|----------------------|
| Wind Direction (degrees) <sup>*)</sup> : | Cloud Cover (± 25%): |
| Beaufort Scale:                          | Water Depth:         |

\* Use 360° for N wind and 0° when wind speed/Beaufort Force is zero.

### LiCor Light Profile

[illegible]

## YSI Hydrocast

|                          |                                                                       |                                                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> | 4-minute sonde warm up completed.                                     |                                                                                                                                                                         |
| <input type="checkbox"/> | DO calibration check performed. DO <u>Local</u> % Saturation reading. | <input type="text"/>                                                                                                                                                    |
| <input type="checkbox"/> | Passed (100% $\pm$ 2%).                                               |                                                                                                                                                                         |
| <input type="checkbox"/> | Failed then successfully recalibrated.                                |                                                                                                                                                                         |
| <input type="checkbox"/> | GPS functional and position displayed on YSI 650MDS.                  |                                                                                                                                                                         |
| <input type="checkbox"/> | Optics wiped and temperature stabilized while <i>in situ</i> .        |                                                                                                                                                                         |
| <input type="checkbox"/> | Sonde lowered to within 1m of bottom.                                 | <input type="checkbox"/> Sonde hit bottom.                                                                                                                              |
| <input type="checkbox"/> | File Name of this hydrocast on the YSI 650MDS                         | <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> |
|                          |                                                                       | Park Code      Hex #      Visit #      special                                                                                                                          |
| <input type="checkbox"/> | Chl- <i>a</i> Grab Sample Collected                                   | Sample ID <input type="text"/>                                                                                                                                          |

|             | 650MDS<br>Station<br>List # | Depth<br>(m) | Temp<br>(C) | Salinity<br>(psu) | D.O.<br>(% sat)<br><u>NOT</u> local | D.O.<br>(mg/l) | Turbidity<br>(NTU) |
|-------------|-----------------------------|--------------|-------------|-------------------|-------------------------------------|----------------|--------------------|
| QA/QC       | 9                           |              |             |                   |                                     |                |                    |
| Surface     | 0                           |              |             |                   |                                     |                |                    |
| Mid-depth   | 1                           |              |             |                   |                                     |                |                    |
| Near-bottom | 2                           |              |             |                   |                                     |                |                    |

## Appendix D. Water-Quality Monitoring Station Data Sheet (continued).

| Beaufort Force                                                                                            | Wind Speed (knots) | Designation     | Sea conditions                                                                      | Land Conditions                                                        |
|-----------------------------------------------------------------------------------------------------------|--------------------|-----------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| 0                                                                                                         | < 1                | calm            | sea surface smooth and mirror-like                                                  | calm, smoke rises vertically                                           |
| 1                                                                                                         | 1 - 3              | light Air       | ripples with appearance of scales, no foam crests                                   | direction of wind shown by smoke drift only                            |
| 2                                                                                                         | 4 - 6              | light breeze    | wavelets, small but pronounced. Crests with glassy appearance, but do not break     | wind is felt on face, leaves rustle, vanes move to show wind direction |
| 3                                                                                                         | 7 - 10             | gentle breeze   | large wavelets, crests begin to break. Glassy looking foam, occasional white horses | leaves and small twigs constantly moving, light flags extended         |
| 4                                                                                                         | 11 - 16            | moderate breeze | small waves 1-4 ft. becoming longer, numerous white horses                          | dust, leaves, and loose paper lifted, small tree branches move         |
| 5<br>                    | 17 - 21            | fresh breeze    | moderate waves 4-8 ft taking longer form, many white horses, some spray             | small trees in leaf begin to sway                                      |
| small craft advisory<br> |                    |                 |                                                                                     |                                                                        |