Site: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Checker:\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_ **Version: 1/21/2014**

# Checker’s primary goals:

* Check non-software computations for mistakes.
* Check that software was used correctly.
* Check software input/output values against report and identify transcription errors.
* Check whether enough data is presented for the reviewer to evaluate the engineer’s decisions.

# Survey Data:

### Plot the data points from the survey data collector in Excel and evaluate:

a. Do HWMs make sense based on photos?

b. Do x-sections make sense based on photos?

c. Do all points compare well to software plots (e.g. SACGUI plan view).

d. Where plots differ from software plots, is explanation given by author?

### Can you clearly trace data from the survey data collector files to the final GUI input files?

### Did the survey loop close (either on the original hub or on a double-hub, with errors documented)?

### Was an equipment calibration check recently performed?

# Report:

### Does a summary section exist at the top of the first page with values that match the results section(s), including: Q, GH of Q, Location?

### Check location data (lat/lon and UTM coordinates) against Google Earth/Maps.

### Check math on gage heights mentioned in survey and gage height sections.

### Check DA and unit discharge against station descriptions or StreamStats.

### Verify that reported n-values match SAC/CAP output and hand notes.

### Check sensitivity analysis results against SAC/CAP outputs.

### Are photos and notes presented to defend n-value choices?

**Are all necessary report items included?:**

* **Photos**
* **Plan view showing:**
  + **Cross-sections and baseline drawn perpendicular**
  + **Gage location**
  + **Flow direction**
  + **RPs / RMs / survey hubs**
* **Cross section profiles**
* **HWM list**
* **Field notes**
* **Calculation Screen Shots**
* **Location Map**
* **References**

**Does GH for indirect make sense compared with UV data?**

**Editorial if major.**