



US Army Corps
of Engineers

Monitoring Wisconsin Streams for Sediment Workshop



University of Wisconsin – Green Bay
2420 Nicolet Dr
University Union, Room C (room 207)
25-26 Sep 2013

Presented By:
U.S. Army Corps of Engineers, Detroit District
Great Lakes Hydraulics and Hydrology Office
With Support from the Great Lakes Commission and University of Wisconsin – Green Bay

Note: Advance registration is required. Please contact Michael Schneider, Great Lakes Commission, at (734) 971-9135 or michaels@glc.org to confirm your participation.

25 September (Wednesday)

- 8:30 – 9:00 Introduction
- 516 Program Overview (Jim Selegean, USACE – Detroit District)
 - Introductions
- 9:00 – 10:15 Lecture – Sediment and River Features (Jim Selegean, USACE – Detroit District)
- Where does sediment come from?
 - Why do we care about sediment?
 - Overview of river features
- 10:15 – 10:30 BREAK
- 10:30 – 12:00 Lecture – Surveying Basics (Jim Selegean, USACE – Detroit District)
- Level / Laser Level / Total Station / RTK-GPS
 - End Pins
 - Closing Survey Loop
- 12:00 – 1:00 LUNCH (on your own)
- 1:00 – 2:30 Exercise – Survey Loop in Parking Lot (Travis Dahl, USACE – Detroit District)
- 2:30 – 3:30 Lecture – Survey X-Sections and Longitudinal Profiles (Jim Selegean, USACE – Detroit District)
- Closing a Survey Loop
 - Choosing an Appropriate Site (Recon)

3:30 – 3:45 BREAK

3:45 – 4:30 Lecture – Measuring Bed Gradation with a Pebble Count (Jim Selegean,
USACE – Detroit District)

- Where to Measure Gradation (riffle, pool, etc.)
- Counting Every Sample vs. Random Sample
- Importance in Long-Term Monitoring
- Sediment Transport Timeline

4:30 – 5:00 Lecture – Map and Documentation (Jim Selegean,
USACE – Detroit District)

- Site Map / Regional Map
- Witnessing End Pins

26 September (Thursday)

8:00 – 8:30 Drive to Field Site

8:30 – 1:00 Exercise – Practice Measurements in the Field (Travis Dahl,
USACE – Detroit District)

- Identify an Appropriate Site & Reach
- Survey X-Section and Long-Pro
- Pebble Count

(LUNCH will NOT be provided at the field site – BYO Lunch)

1:00 Workshop Ends (fishing begins!)