MAPPING WORKSHOP OUTLINE

(References are to the COF Mapping Manual)

Course Objectives

- Provide the knowledge and experience for developing and producing basic orienteering maps.
- Cover all topics by the end of schedule - at least in general. Details as the weather permits.
- The first priority is to understand the field-based activities. The second is OCAD drawing. Then base maps and map production.

Course Schedule

Depending on the weather, some of these topics and activities may be shuffled. It is most important that participants get as much "in the field" experience as possible.

Sat. Morning (0900 – 1200)

- Introductions - Personal experience in orienteering and mapping. Students are requested to bring a project - new or in progress - to the workshop.

- Review Facilities - Parking, washrooms, drink, food, telephone, accommodation, transportation to training map, etc.

- Mapping Basics & Base Map preparation
  Clarity, consistency, accuracy, runner's view/visibility.
  Review good and bad examples.
  Sources for base material – stereo photos, LiDAR data, gov't maps, other photos, old maps. *Ch. 5*
  Base map set-up on OCAD – scales, adjusting templates, grids, notation.

- Set-up for basic fieldwork in the afternoon (*base map exists) *Ch. 6*
  Prepare map boards and field checking material.
  Planning ahead. what to do first, next, later.
  Getting physically ready – what to bring, safety, back-up.

Lunch Break (1200 – 1300 including travel to practice site)

Sat. Afternoon (1300 – 1730)

- Field Checking Basics – symbols, colours, distance (pacing), bearings, triangulation, estimating contours. *Ch. 6, App. C & D*
- Practice Field Work (2 hours) – Confirming reference points, roads & paths, major features, level of detail. "Follow the facilitator" then easy areas individually.
- Comparative review of students' drawings, level of detail, mapping plan
- Back in Classroom - OCAD Basics – scales, drawing basics, changing symbols, using templates. *Ch. 7 & 8*

Sat. Evening (optional)

- Catch up on what did not get covered during the day. *Ch. 1,2,3*
- More practical experience on OCAD.
- Review participants' projects.

Sunday Morning (0900 – 1200)

- Field Checking – Detailed areas (2 hours) *Ch. 6 cont'd.*
- Back in the classroom: OCAD drawing – practice session – hands-on.
- Transferring field work onto OCAD – scanning and tracing

Lunch Break (1200 - 1300)

Sunday Afternoon (1300 – 1600)

- More field work if necessary. More OCAD input if necessary.
- Final Map Production – Layout, legend, templates, copying, printing. *Ch. 9. Appx. E*
- *Base map set-up details – aerial photography, scanning old material, setting up templates, base map services. *Ch. 4 & 5*
- Using GPS receivers – reference points, grids. *Appx. F & G*

Participants are asked to bring their own portable PC's for drawing practice, a sighting compass, and warm outdoor clothing for fieldwork sessions. All the other material will be provided.

The local organizers are asked to provide classroom facilities and maps of a local area with some topographic detail for practice field-checking.