

Schedule for geophysical surveying at Peturrson's Ravine Monday Aug. 24 (version 2)

See Figure 1 for map with parking and fieldwork locations

See Table 1 for details about the student teams.

SCHEDULE:

Time	Activity	Who
7:30 am	Load equipment into trucks & SUV @ USask	Instructors
8:00 am	Meet in parking lot; carry equipment to survey sites	All GEOE students & instructors
8:10 – 9:00 am	Seismic survey set-up	All GEOE students & instructors
9:00 – 9:30 am	General explanation of geophysical methods used today	ALL
9:30 – 11:00 am	Finish setup & start seismic survey 1 (EW) Resistivity survey 1 (NS) Water well testing Free time	Team 1 Team 2 Team 3 Team 4
11:00 am – 12:30 pm	Seismic survey 1 cont. (EW) Resistivity survey 2 (NS) Water well testing Free time	Team 4 Team 1 Team 2 Team 3
12:30 – 2:00 pm	Set up and start seismic survey 2 (NS) Resistivity survey 3 (EW) Water well testing Free time	Team 3 Team 4 Team 1 Team 2
2:00 – 3:30 pm	Seismic survey 2 cont. (NS) Resistivity survey 4 (EW) Water well testing Free time	Team 2 Team 3 Team 4 Team 1
3:30 – 4:30	Breakdown equipment and carry back to parking lot	All GEOL students & instructors
4:30	Drive equipment back to USask	Instructors

Note: See Table 2 for tentative details regarding geophysical surveys.

Peturrson's Ravine – Planned Survey Locations (Aug. 24, 2026)



Figure 1: Site map

Table 1: Team assignments

Team	GEOE groups (<i>no. students</i>)	GEOL students
Team 1	GEOE 1 & GEOE 2 (8)	t.b.d.
Team 2	GEOE 3 (4)	t.b.d.
Team 3	GEOE 4 (4)	t.b.d.
Team 4	GEOE 5 (4)	t.b.d.

Notes:

- 20 GEOE students will be assigned into 5 groups of 4 prior to this fieldwork.
- GEOL students will join teams based on instructions given by Profs. Butler and Morozov

Table 2: Geophysical surveys (exact parameters to be chosen in the field by instructors)

Survey	Details (tentative; may be altered in the field)
Seismic survey 1	EW line - narrow spacing
Seismic survey 2	NS line - wide spacing
Resistivity survey 1	NS line - 2D multimode - wide spacing
Resistivity survey 2	NS line - t.b.d.
Resistivity survey 3	EW line - 2D multimode - narrow spacing
Resistivity survey 4	EW line - 2D multimode - intermediate spacing