

Map and Compass Practice Worksheet

Intermediate Glacier Travel, Lecture 2

Mark the following points on your map.

Point	Description
A	End of trail coming in from the NW corner of the map
B	Large, flat spot on Coleman Glacier, ESE of Point A
C	Base of the North Ridge of Baker
D	10N 586600 mE 5403300 mN
E	Summit of Mount Baker
F	10N 586500 mE 5403100 mN
G	Prominent Colman-Deming Saddle, down the ridge from F
H	Minor peak on Heliotrope Ridge, S of Point A

Check with your neighbor and compare your points before moving on.

Calculate the bearing and back-bearing between the following points:

- Point C to point D
- Point G to point H

What terrain features (e.g., ridge, saddle, peak, etc.) are at the following coordinates:

- 10N 8690 E 0255 N
- 10N 8455 E 0270 N
- 10N 8565 0355

What is the elevation of the following:

- Point C
- Point E
- Point B

What is the aspect (in degrees) and average slope grade for the following?

- Slope N of Point G
- Slope S of Point F
- Slope W of Point D

Where are you?

- You see the base of the North Ridge at 72° and Colfax peak at 174° . Give your coordinates to 10m accuracy.
- You see the minor peak at point H at 275° and your altimeter says 7520'. What bearing would take you directly back to camp at Point A?

You are standing at point H and see a prominent peak at a bearing of 163° . What is it?

Travel Plan Practice

Primary Objective (secondary objectives or alternative routes?):

Weather Forecast (specifics and trends, including accumulations):

Avalanche Forecast (avalanche problems, aspects, elevations, and tests to confirm):

Travel Plan:

Leg	Starting Position	Bearing Out/Back	Distance / Elev.	Est. Travel Time	Actual Travel Time
1					
Notes:					
2					
Notes:					
3					
Notes:					
4					
Notes:					
5					
Notes:					
6					
Notes:					
7					
Notes:					
8					
Notes:					