Group Project 3

Looking at medial moraines –

- line of rocks being transported by a glacier











Group Project 3: Examining Medial Moraines and transport of Erratic Boulder

Goal: find the "winning" glacier in your assigned part of the world.

A winning glacier must have TWO medial moraines, and the length of the largest moraine plus the distance between the source regions of the two moraines must be as large as possible. That is, it must maximize

S = largest of two moraine (curvy) lengths + (straight-line) distance between two source regions

Make 3 slides as shown in the example

- (1) Google Terrain Map of your assigned part of the world with scale bar and arrow showing your winning glacier and annotated with name of the part of the world
- (2) Google Satellite Image of your winning glacier with scale bar and annotated with lat, lon of center of region (so we know where it its)
- (3) Same Google Satellite Image as in 2, overlain with curves depicting TWO medial moraines and annotated with (A) along-glacier length of each moraine, (B) straight-line distance between source region of two moraines, and the sum S (in km).

Use Google Maps to measure distances (as shown in the last two exemplary slides). Make screenshots for later verification.

Group Assignments: (1) Alps; (2) Alaska south of of 60.5N (3) Alaska N of 60.5N; (4) Andes between 45S and 47S; (5) Andes between 47S and 52S; (6) Himalayas and Tibet between 70E and 80E;





S Layers

Image: Weight of the second secon

La Sengla 🍊

Bivouac de l'Aiguillette à la Singla CAS

Google

## 2000 ft = 0.61 km

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