

Name _____

Lab # _____

Contour Map Lab Activity

Map 1-Mount Saint Helens Before the Eruption

1. What is the total change in elevation on this map? _____
2. What is the highest contour line on the map? _____
3. What is the contour interval? _____
4. What is the highest possible elevation? _____

Map 2-Mount Saint Helens After the Eruption

1. Describe how the appearance of St. Helens changed after the eruption? What side of the mountain was effected the most (give compass direction)

Map 3- Depression Map

1. What is the highest contour line? _____ Lowest contour line? _____
2. Why are there 2 (two) 670 meter contour lines?

3. What is the highest possible elevation on the map? _____
4. What is the lowest possible elevation on the map? _____

Map 4-Stream Map

1. What direction is the stream flowing? _____
2. Provide one way in which you can tell the direction from a contour map?

3. Describe the shape of a contour line as it crosses a stream.

4. Does a contour line point upstream or downstream as it crosses a river? _____
5. In general, contour lines always make a _____ shape when crossing streams, with the _____ of the "V" pointing (upstream or downstream)?

Map 5-Hill Map

1. What is the highest possible elevation on this map? _____
2. Where is the steepest part of this map? _____ How can you tell?

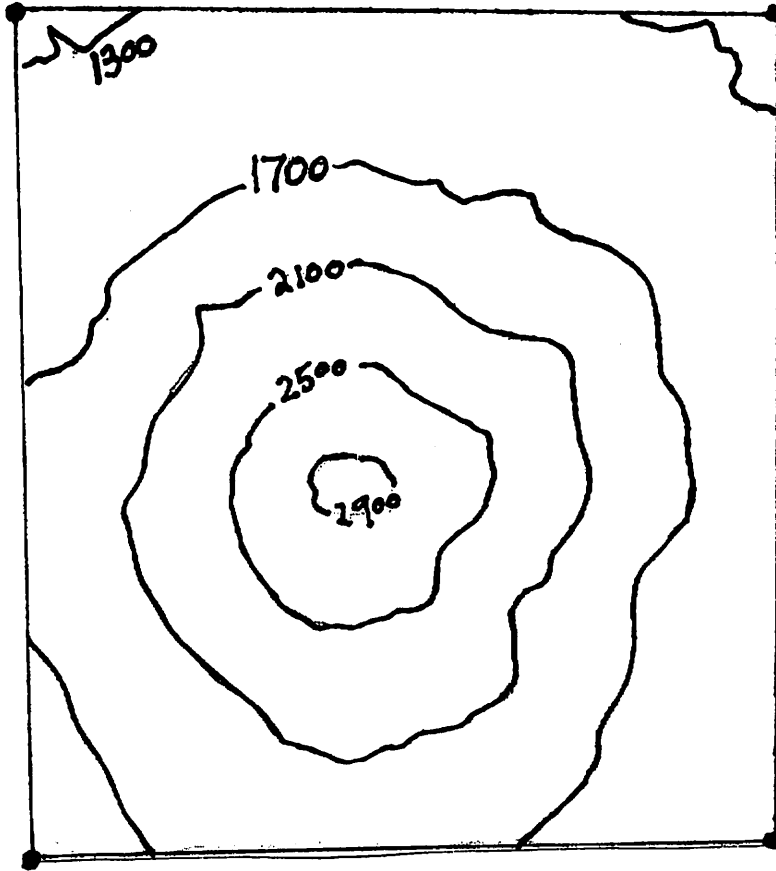
3. Where is the gentlest part of the map? _____ How can you tell?

4. Determine the gradient between points A and B _____



NORTH

Map # 1 – Mount Saint Helens “Before Eruption”



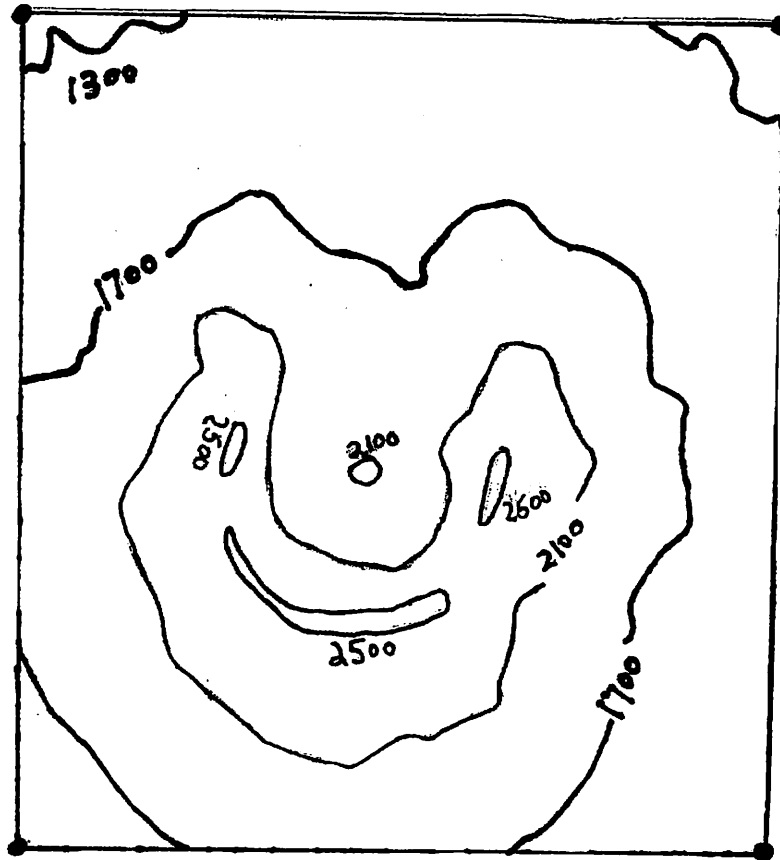
— 1 CM = 1 KM

PWP



NORTH

Map # 2 – Mount Saint Helens “After Eruption”



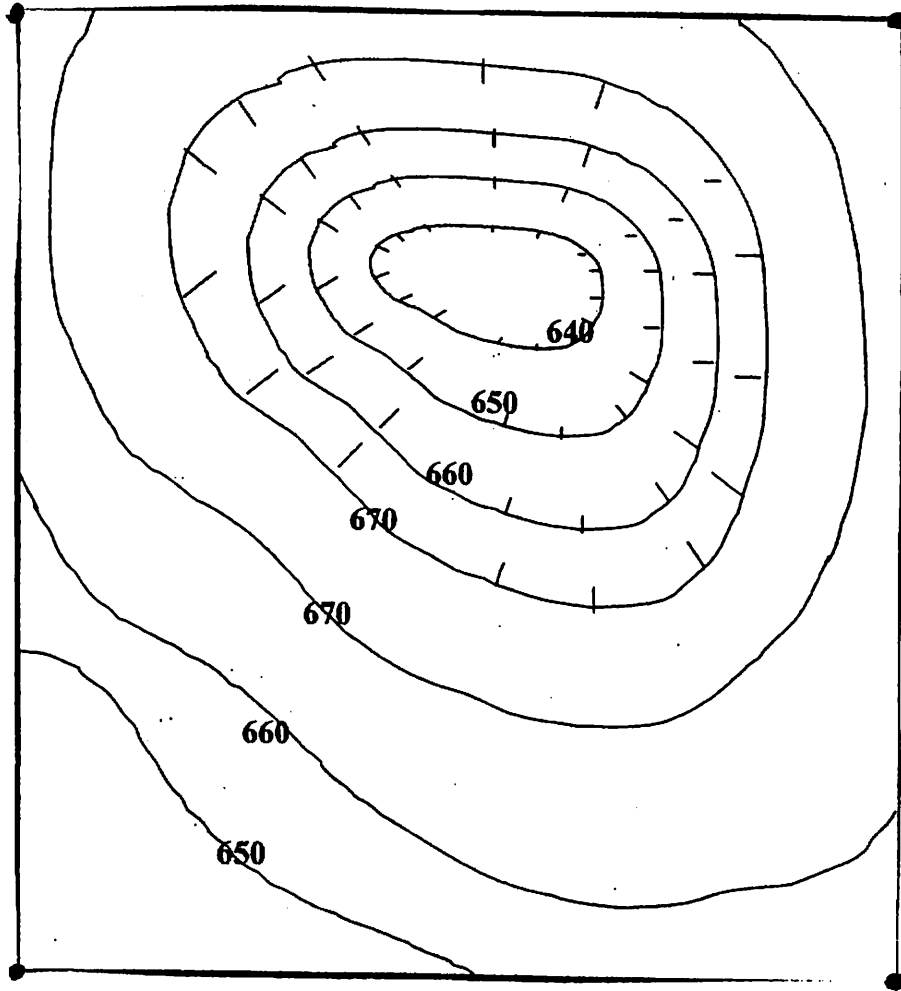
1 CM = 1 KM

PWP



NORTH

Map # 3 – “Depression Map”



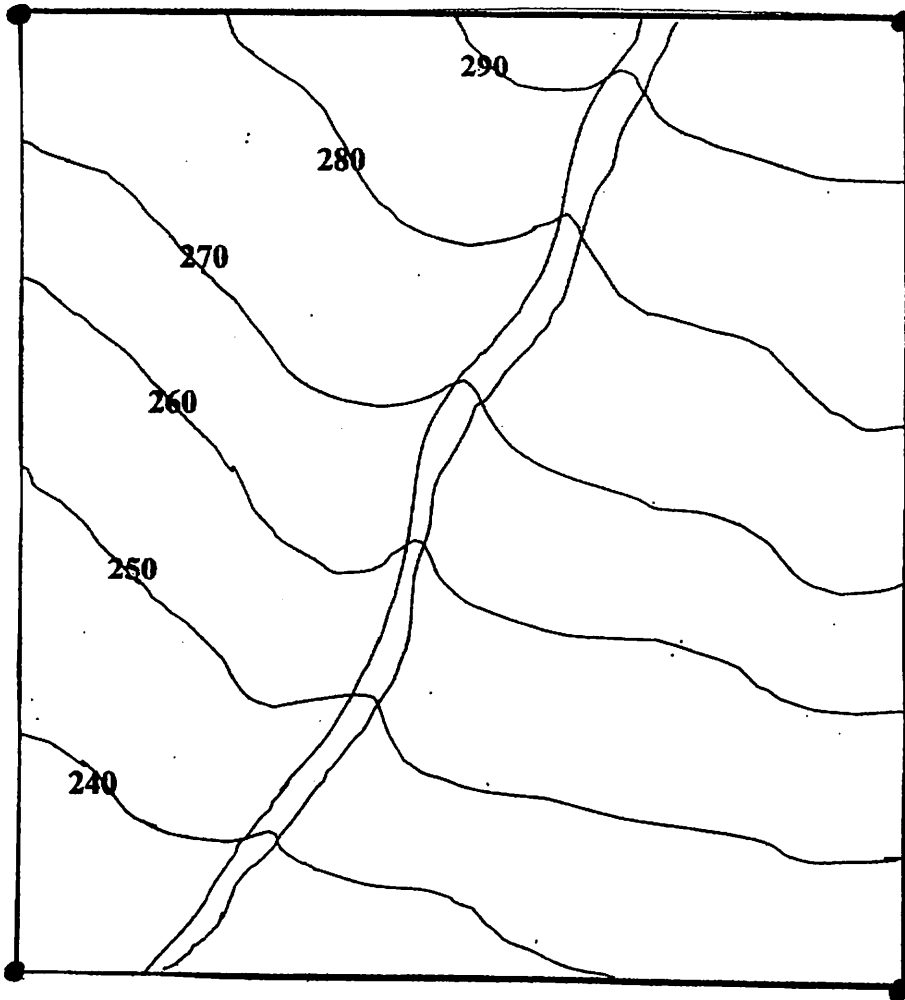
1 CM = 1 KM

PWP



NORTH

Map # 4 – “Stream Map”



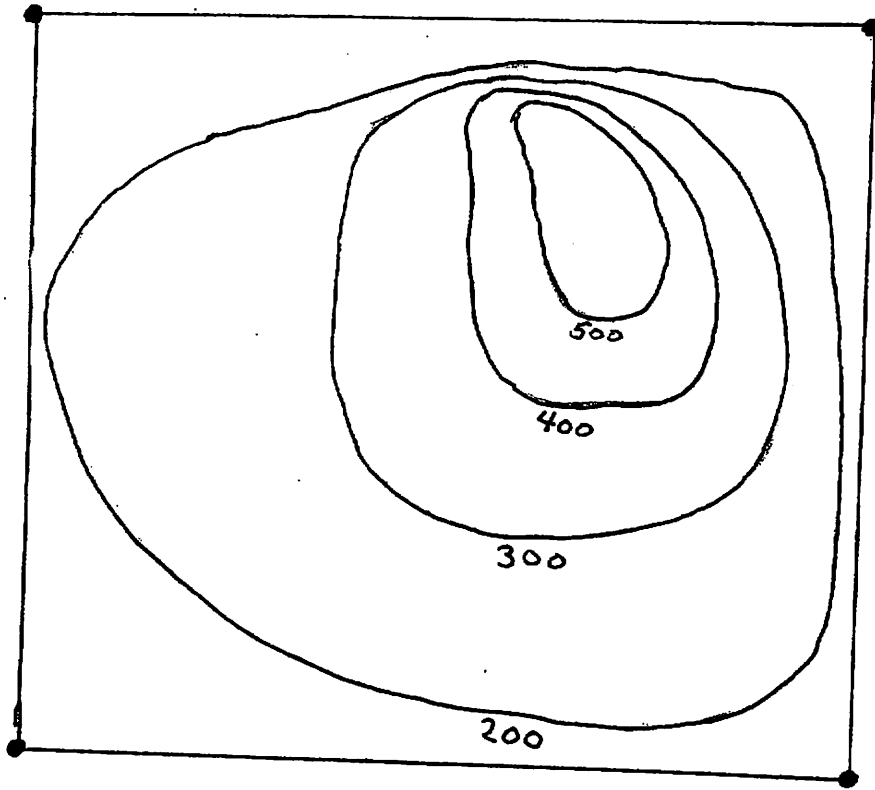
1 CM = 1 KM

PWP



NORTH

Map # 5 - "Hill Map"



1 CM = 1 KM

PWP