

Mar. 5/20

Initial Day, 'lay of the land'

- 2°C, Sunny, 2:30 - 3:15pm
- In the cougout Creek Community area of Canmore, AB. Near the Mountain Bike Jump Park. Location around (51.0910003, -115.3402652)
- Montane region of bow valley Provincial Park. Walking path off of the jump park in part of a trail called the "Horse shoe loop"

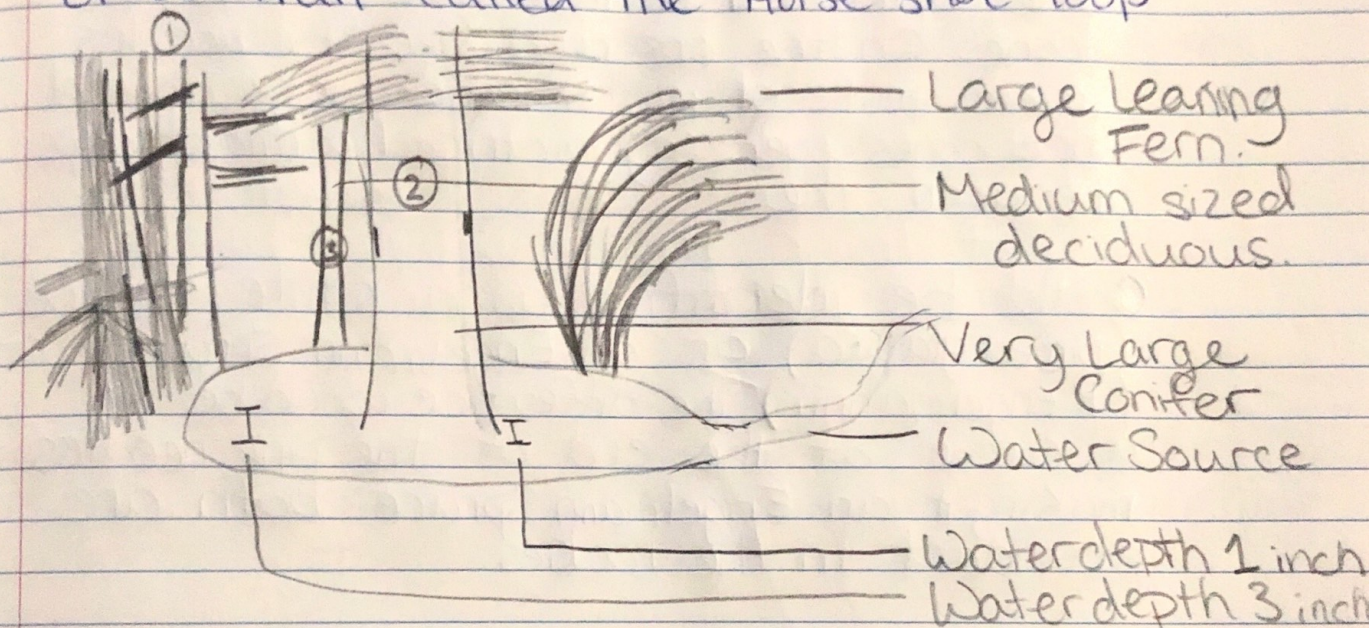


Diagram 1: Overview of potential research area.

Observations: Water was a murky brown. Most of the conifers show the same branching patterns and pine cones.

There were lots of animal tracks in the surrounding area.

Water source seems to be from an underground stream.

Many 'knebs' found on the bottoms of trees where it appears branches were removed.





Diagram 2: Diagram Drawing of a branch of the unknown conifer tree and its pine cones. On the observed tree the needles were quite straight and were round. Pine cones were symmetrical without gaps between the

Could be identified as a white spruce (*Picea glauca*) or an Engelmann Spruce (*P. engelmannii*). The difference would be a curve at the end of the pine needles making it an Engelmann Spruce. Both are abundant in the Rockies.

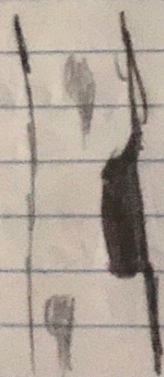


Diagram 3: Section of exposed heartwood of unknown poplar tree.