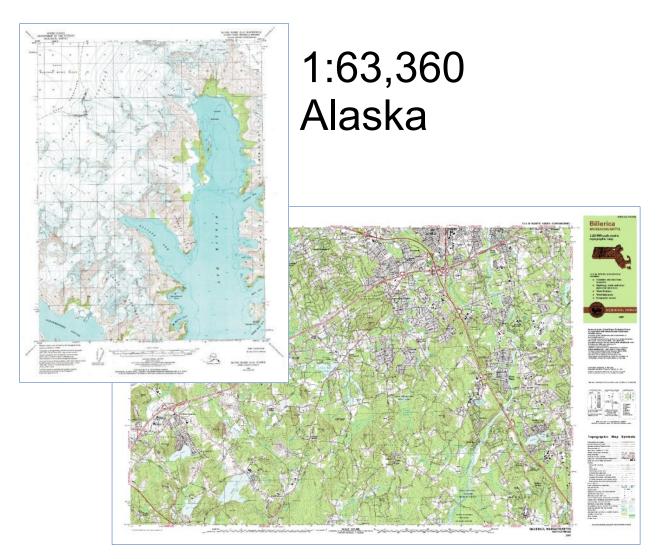


## Map and Air Photo





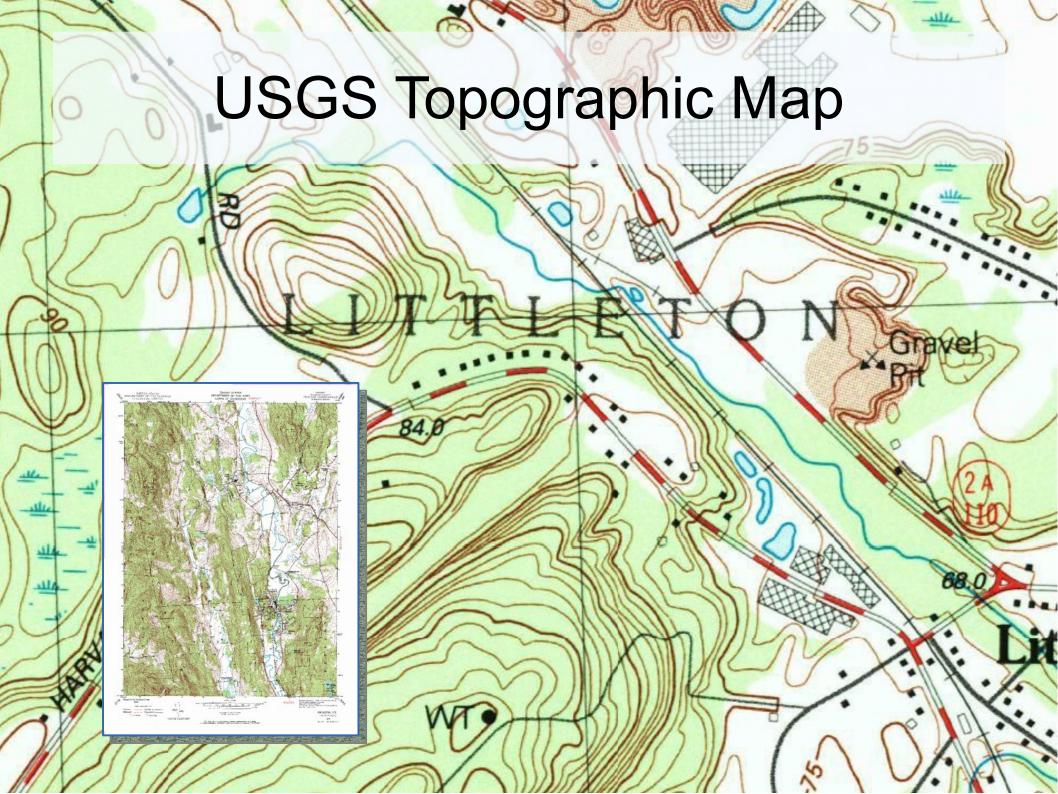


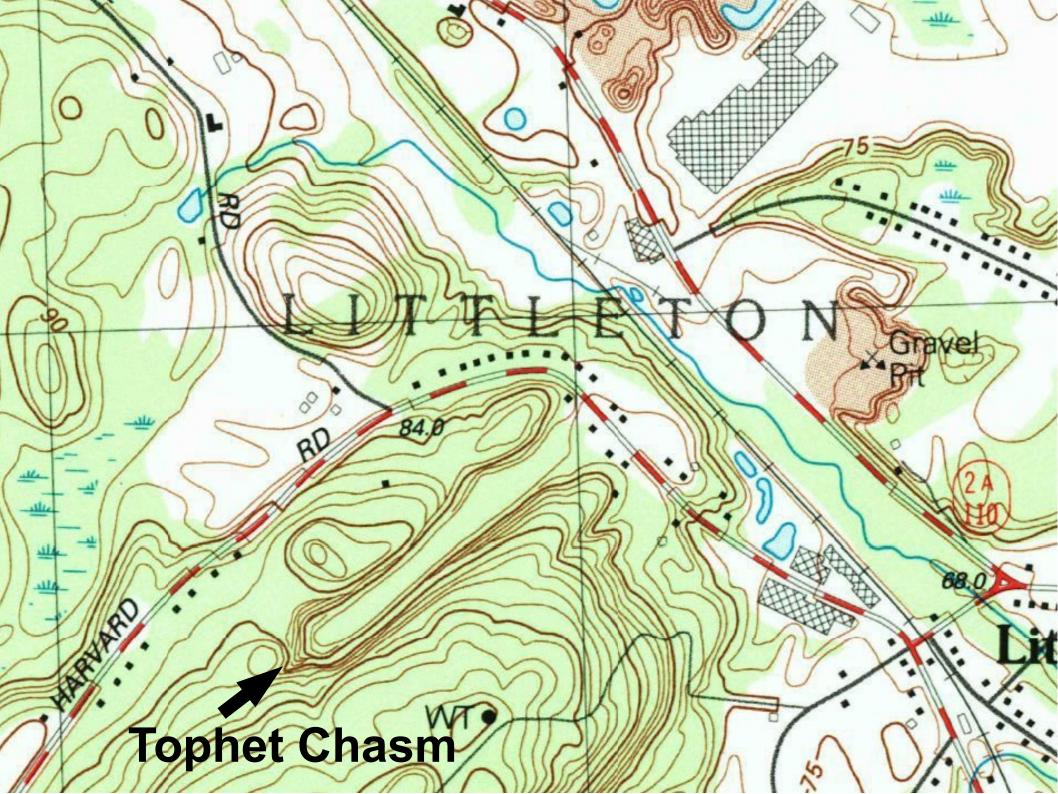
15 minute1:25,000Massachusetts

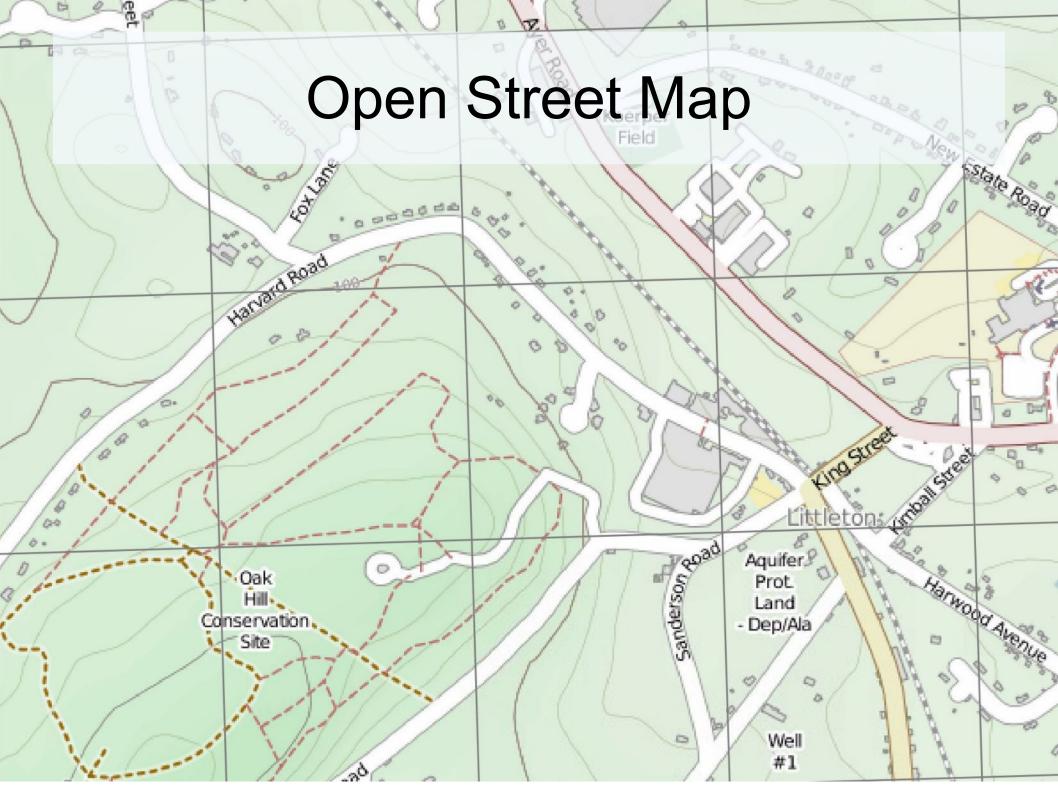
7.5 minute 1:24,000

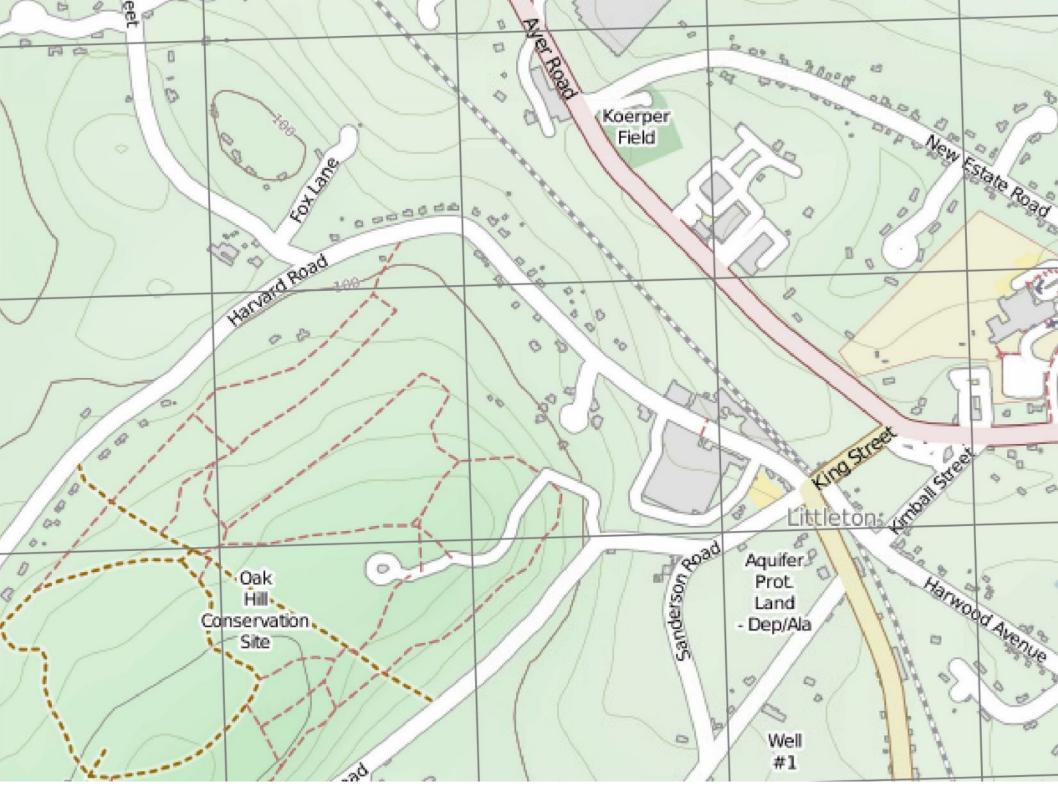
## USGS US Topo: Orthophoto layer 300 HARVARD RD Oak Hill FIRERD SANDERSON











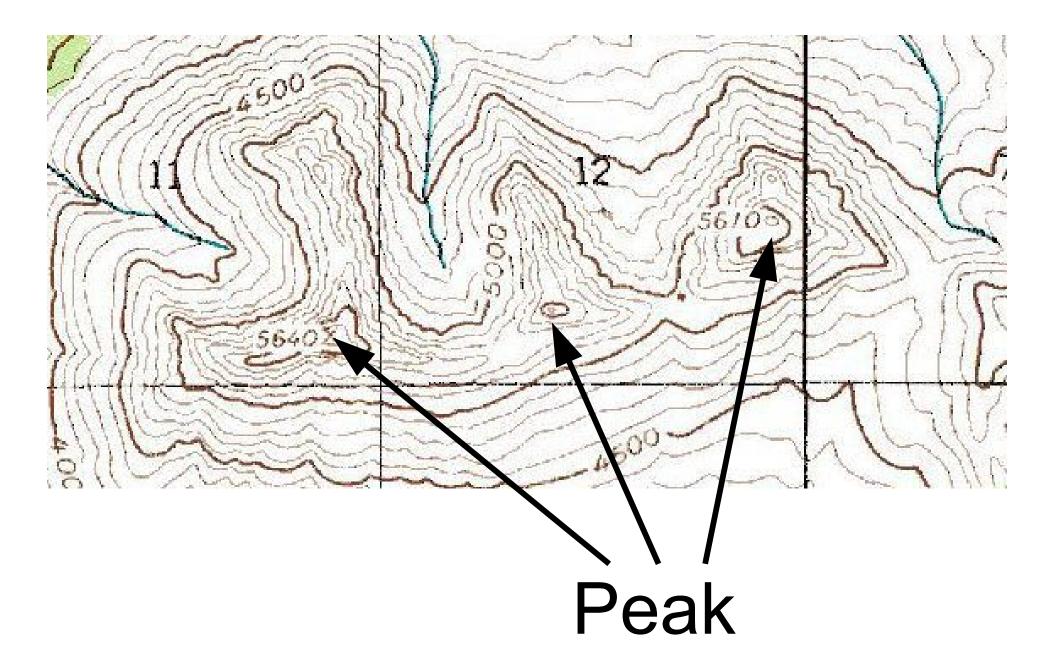
75. Sagittal Crest or Ridge 76. Occipital Tuberosity 87. Zygoma 84. Lambdoid Ridge-85. Supermaxilla ul Spine of a 86.Premaxilla rtebra 43. Thoracic or 77. Submaxilla Dorsal Vertebrae 78. Ascending Ramus of Jaw 79. Angle of Jaw 3 12111098 76 5 80. Atlas 81. Axis -82.Scapula 83. Spine of Scapula 14. Acromion 15. Coracoid Process 16. Head of Humerus 17. Grt. Tuberosity ,, ,, or Trochiter 18. Deltoid Ridge ,, 19. Body ,, 41. Sternum

## Terrain Features on Topographic Maps

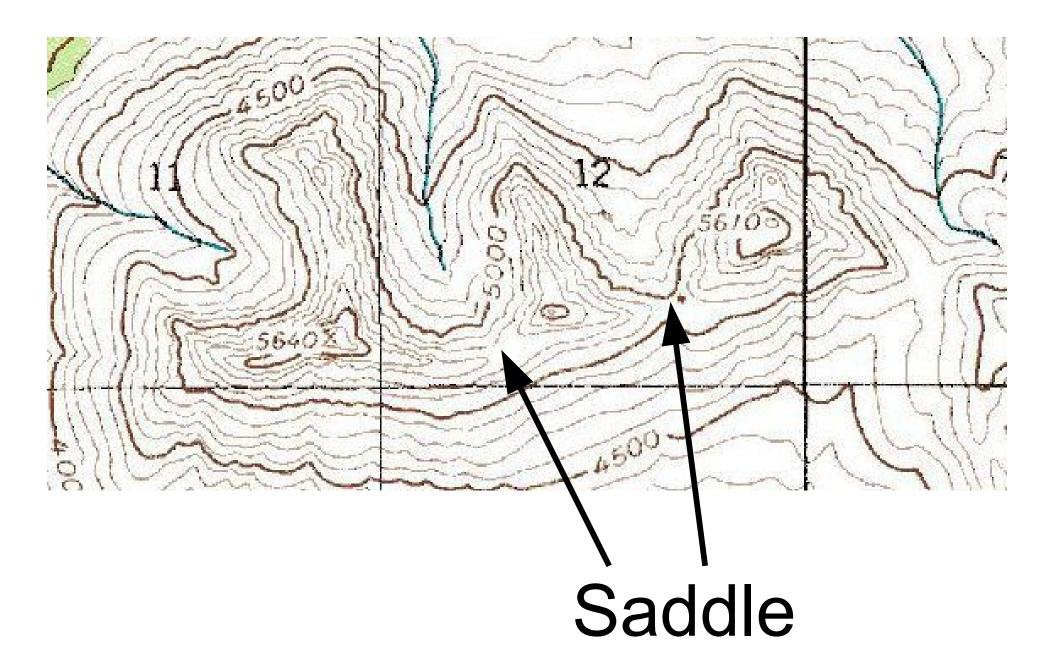
- Depression
- Cut
- Fill
- Hill
- Valley

- Ridge
- Saddle
- Draw
- Spur
- Cliff









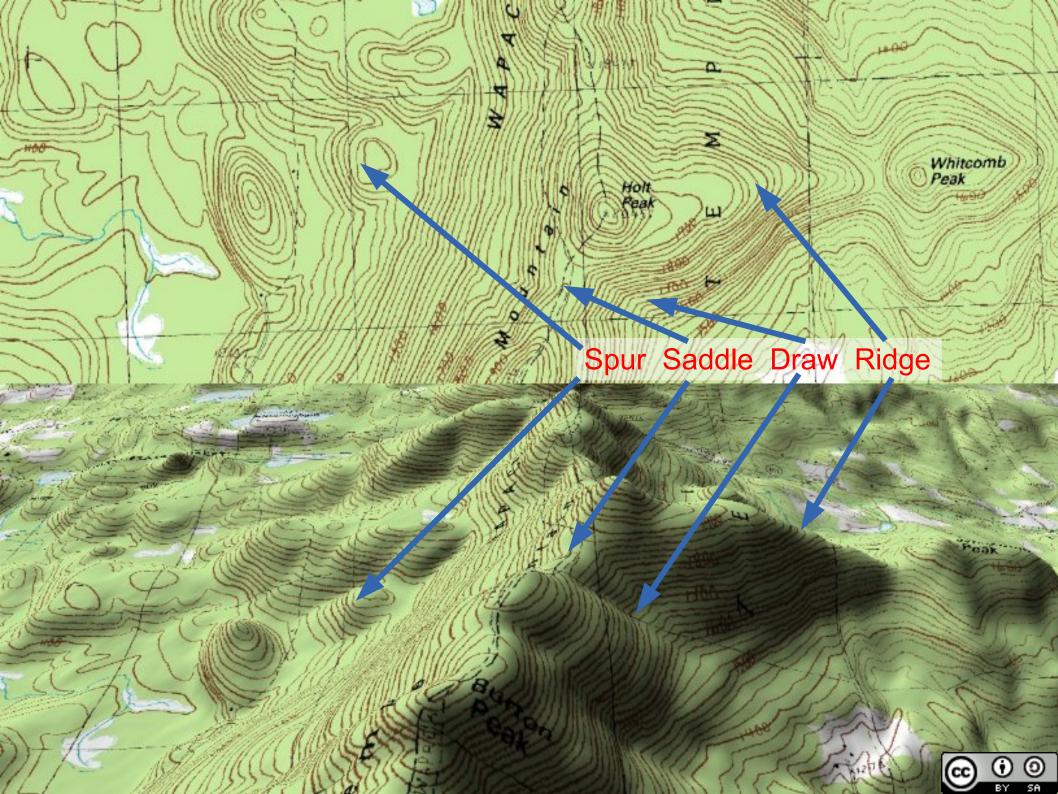


## Draw



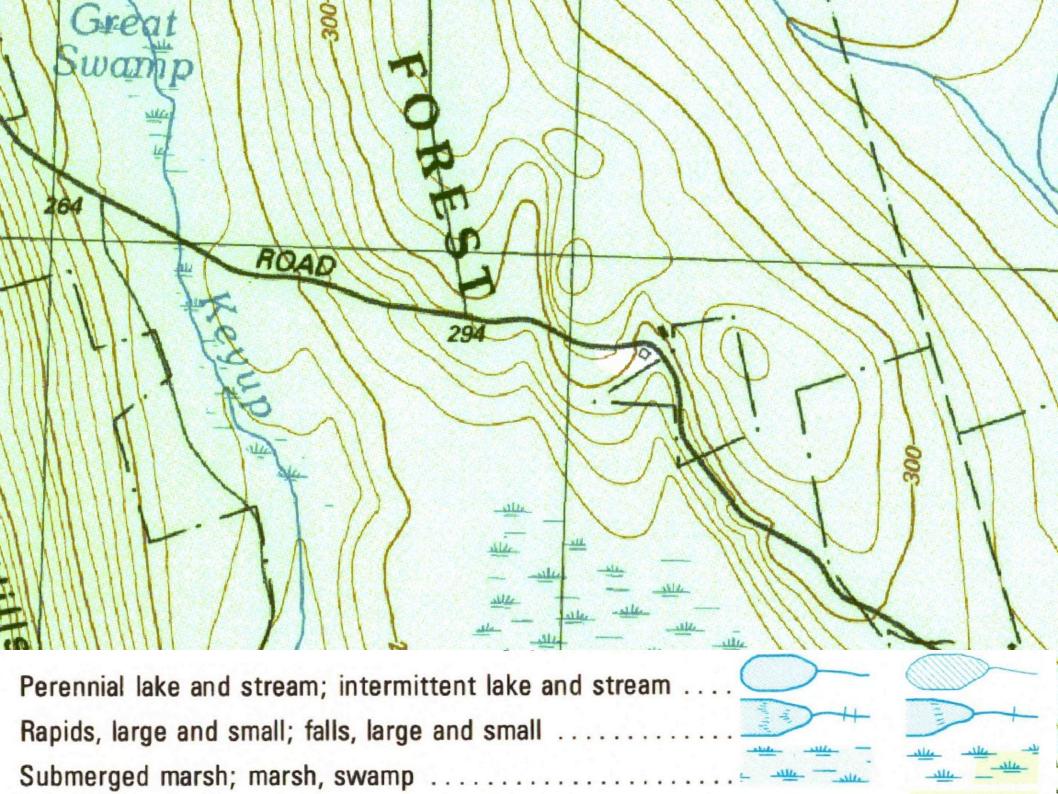
# Ridge

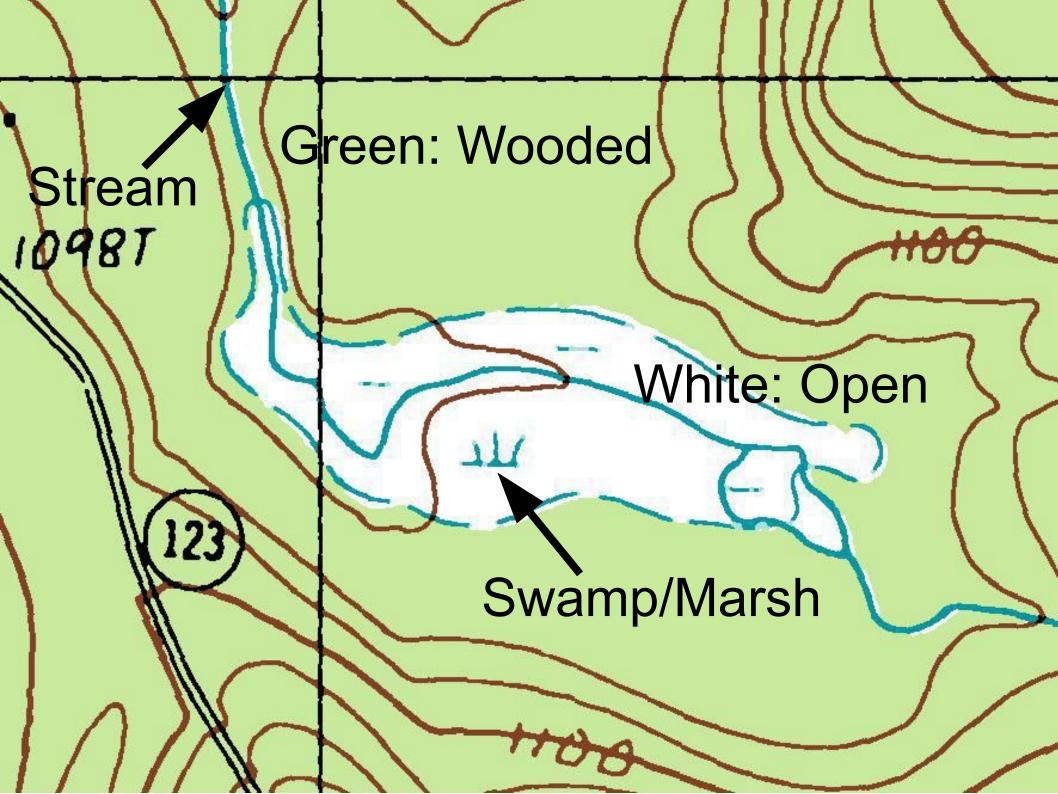












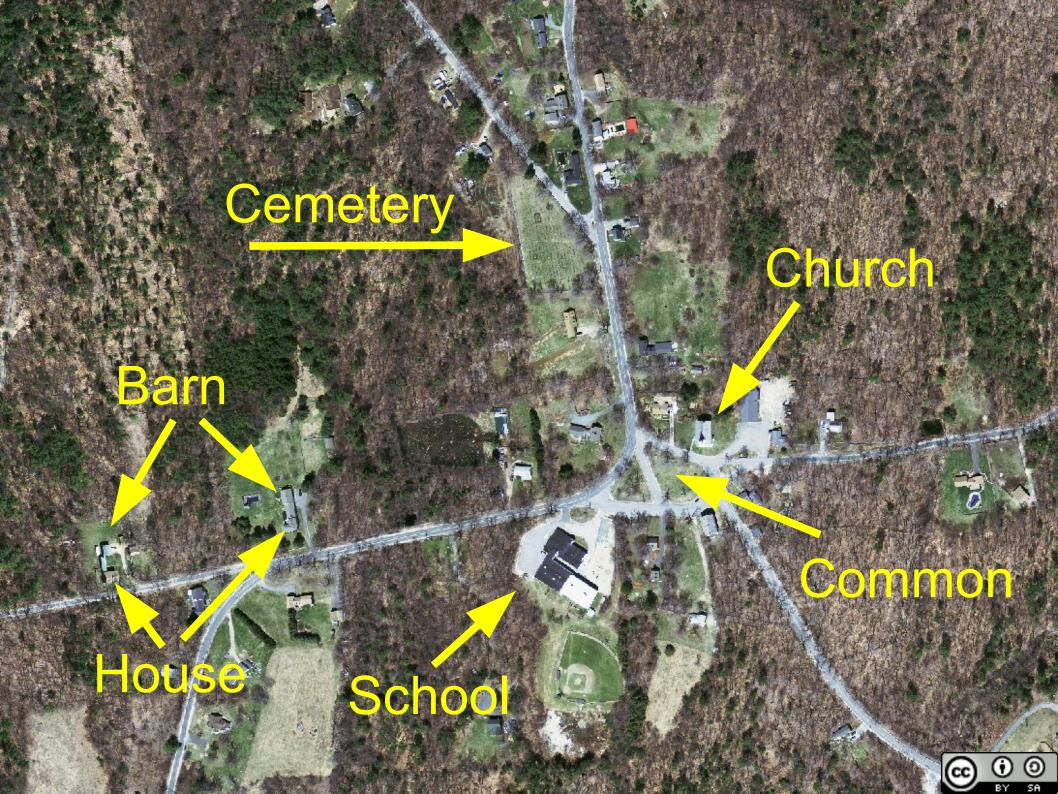


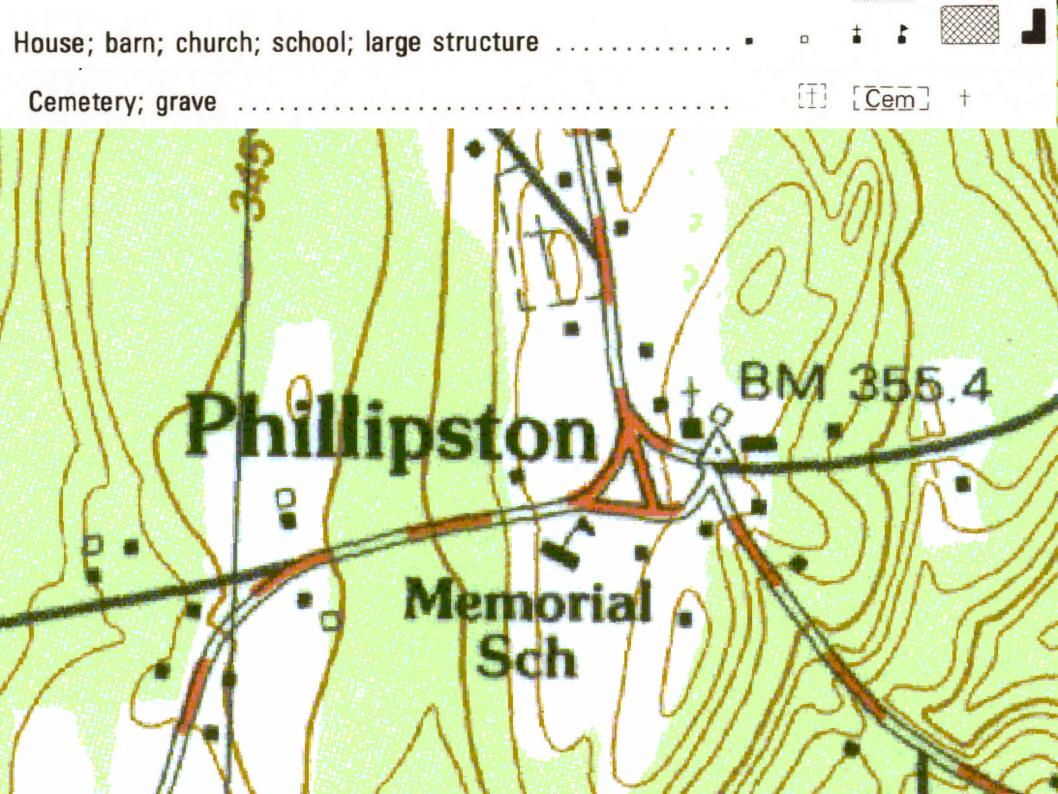
### Cultural Features on Topographic maps

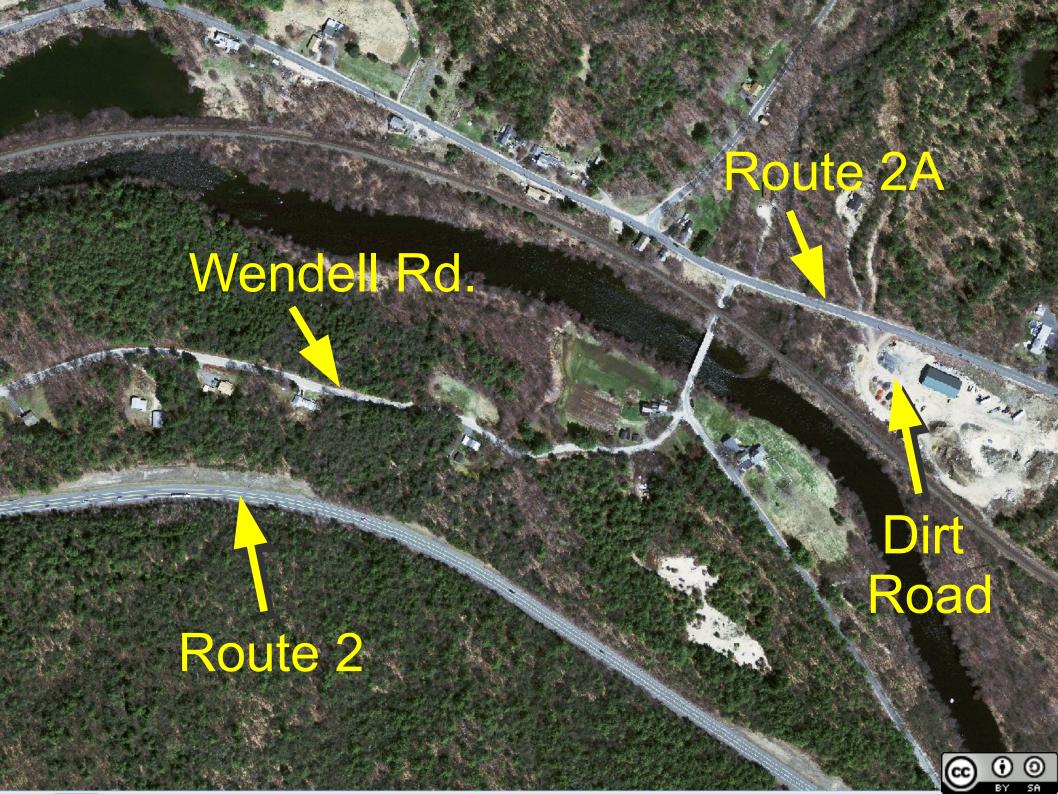


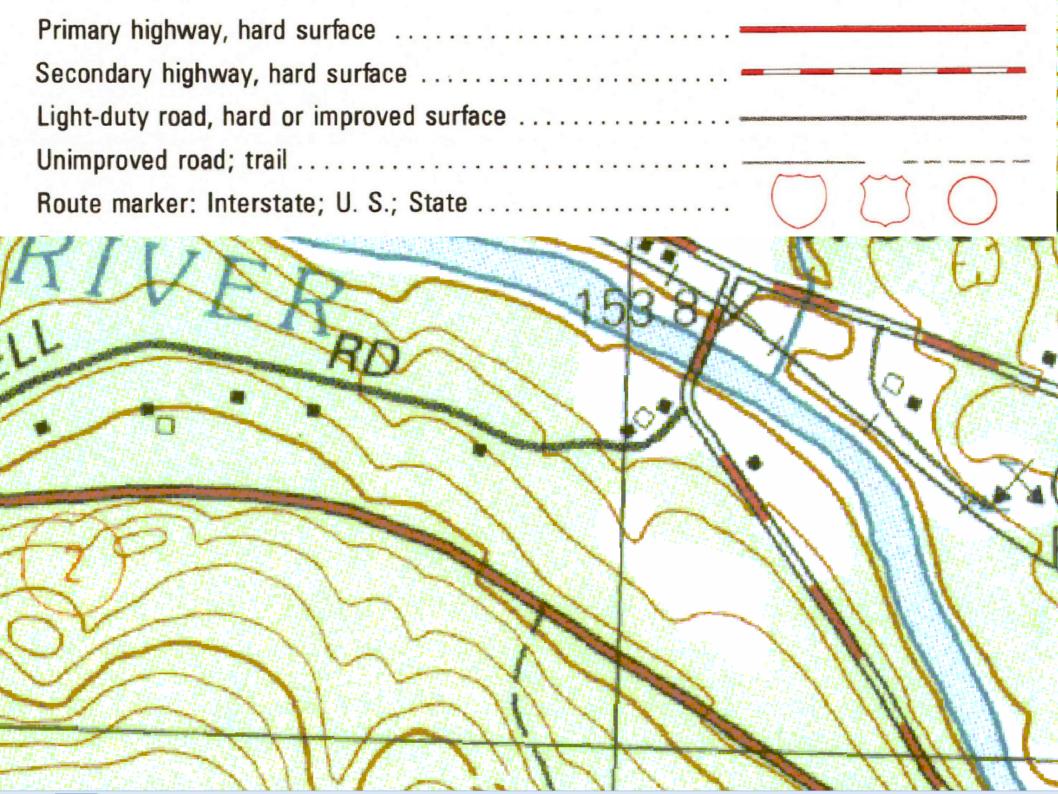


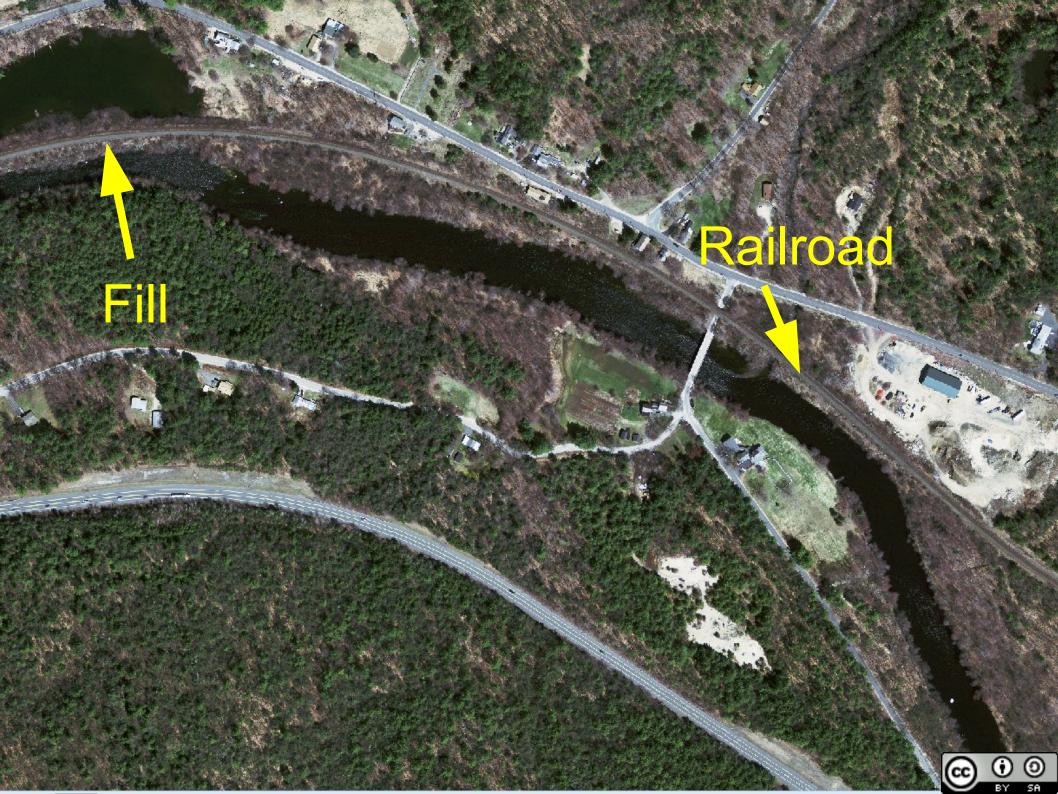
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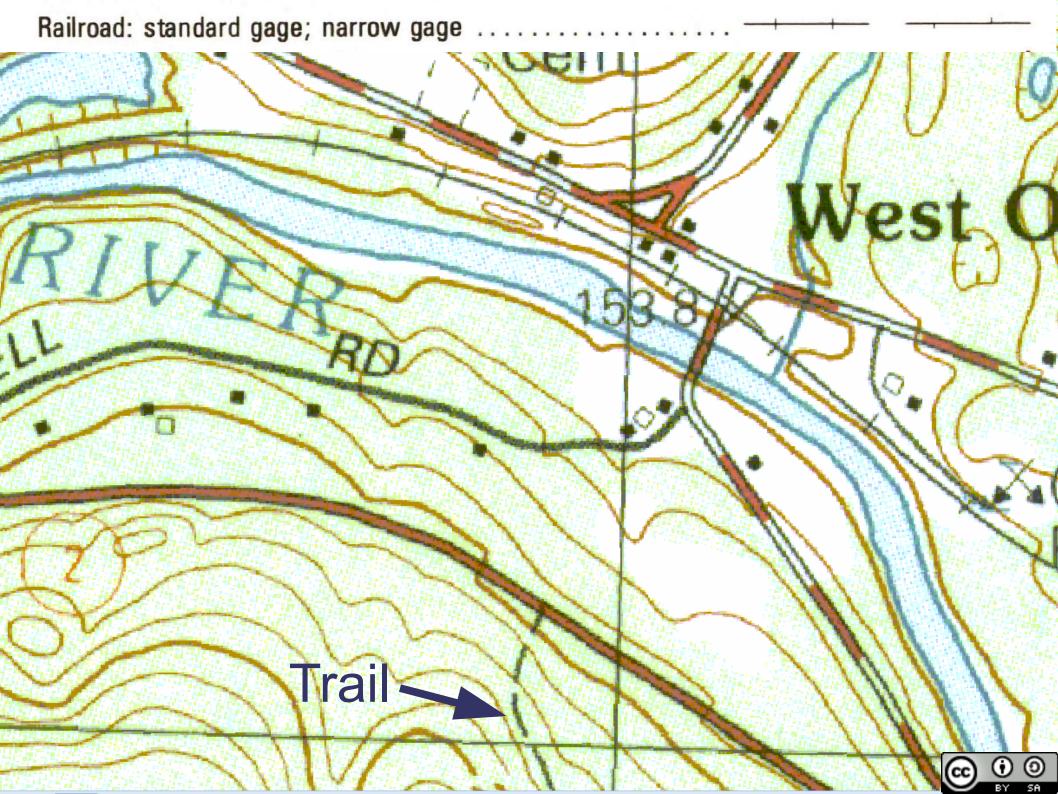




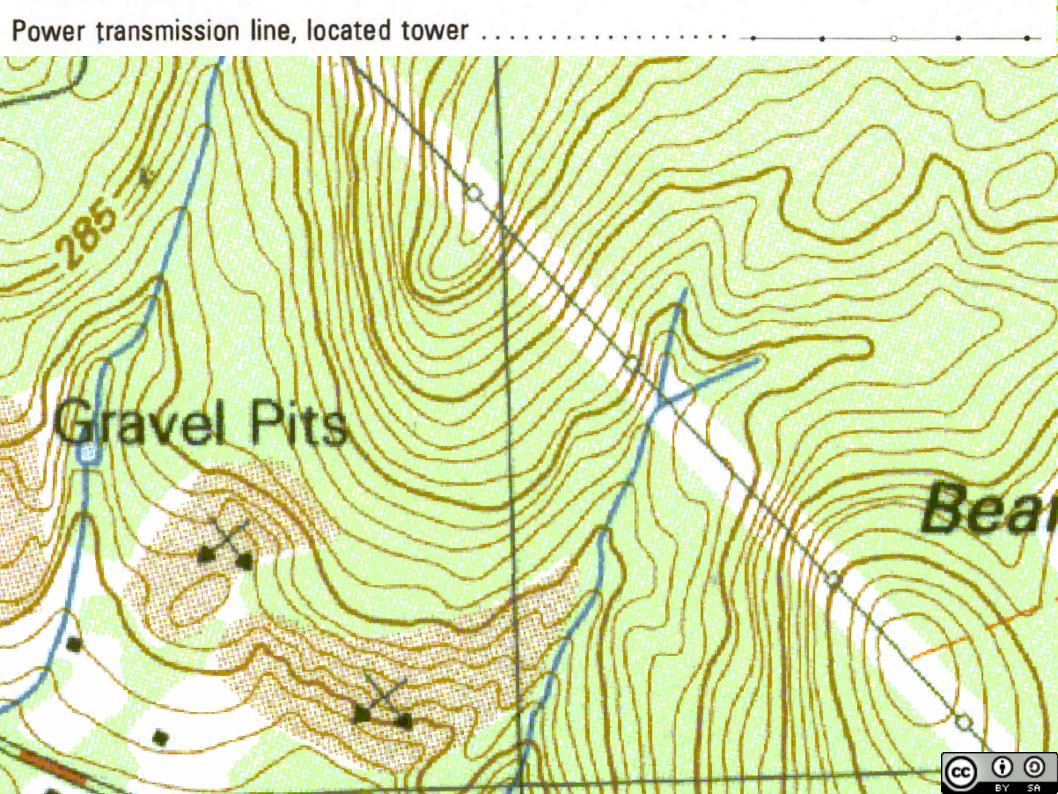




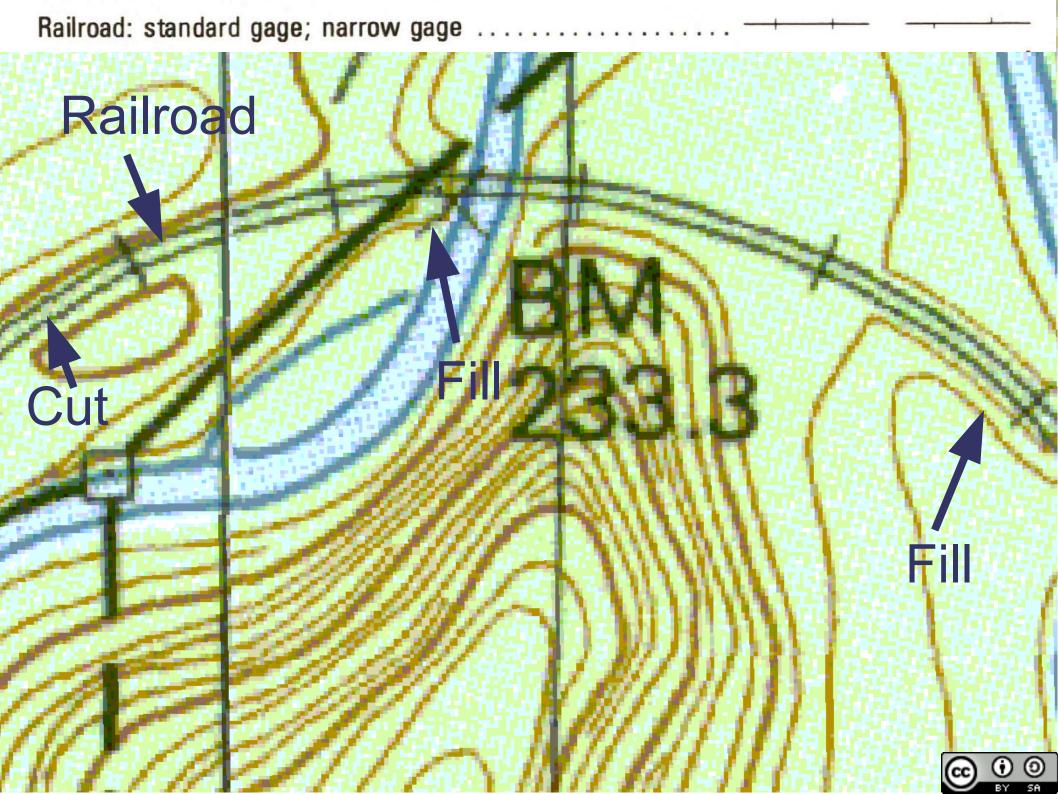










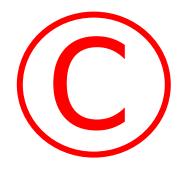




### Some Search Related Symbols



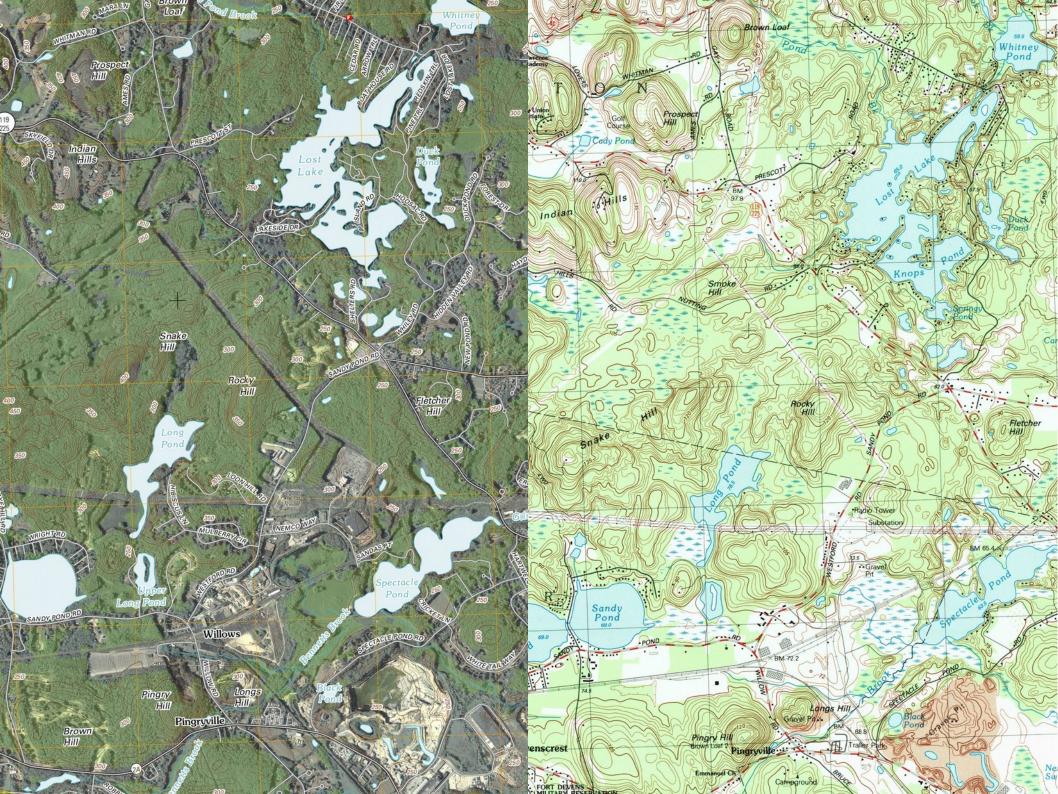
PLS/LKP/IPP



Clue



ELT hit (SARSAT Location, PLB hit)

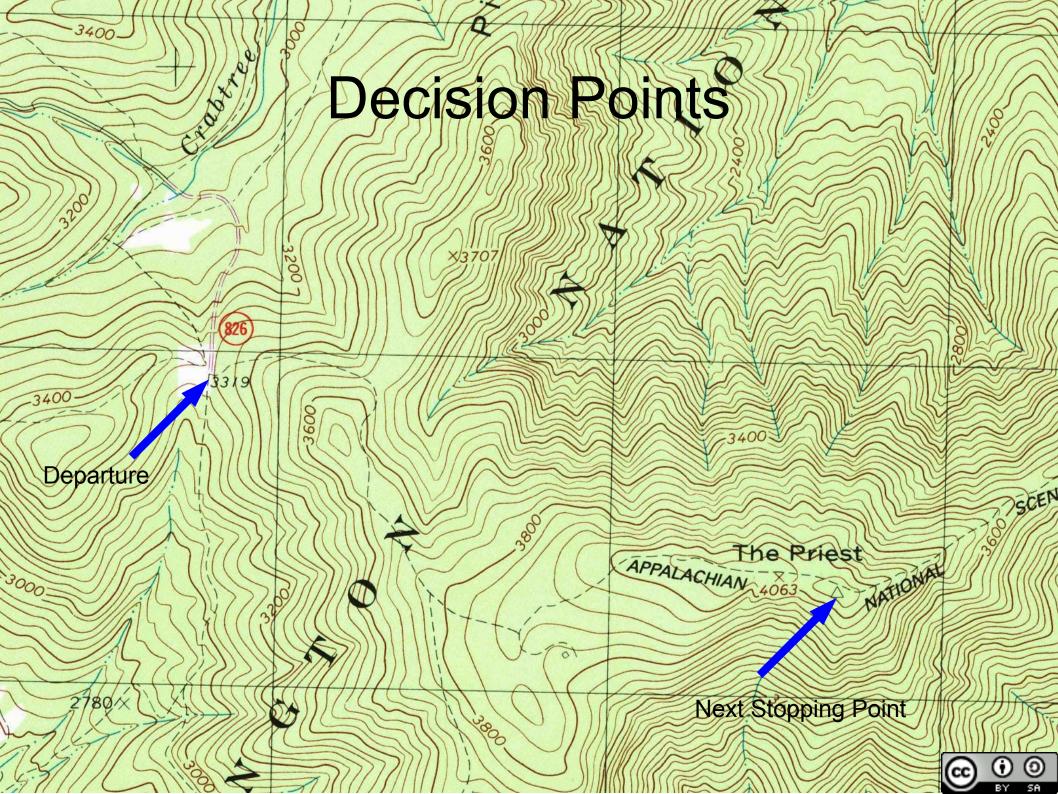


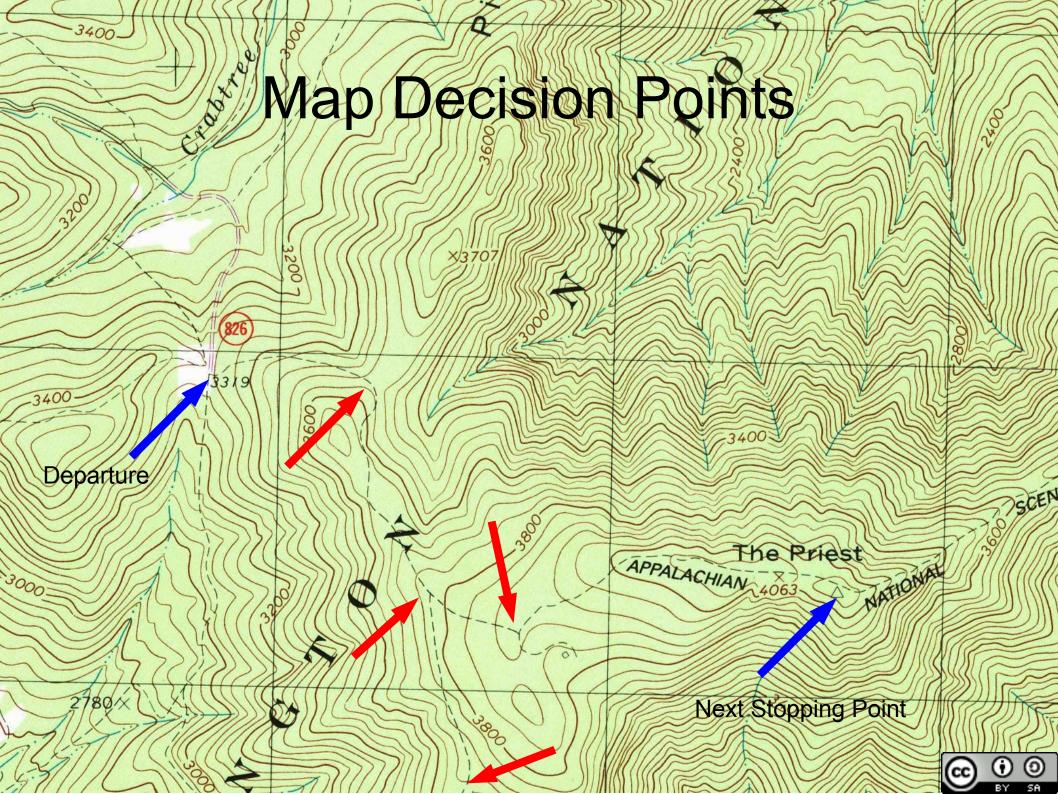


### **Behaviors on Terrain**

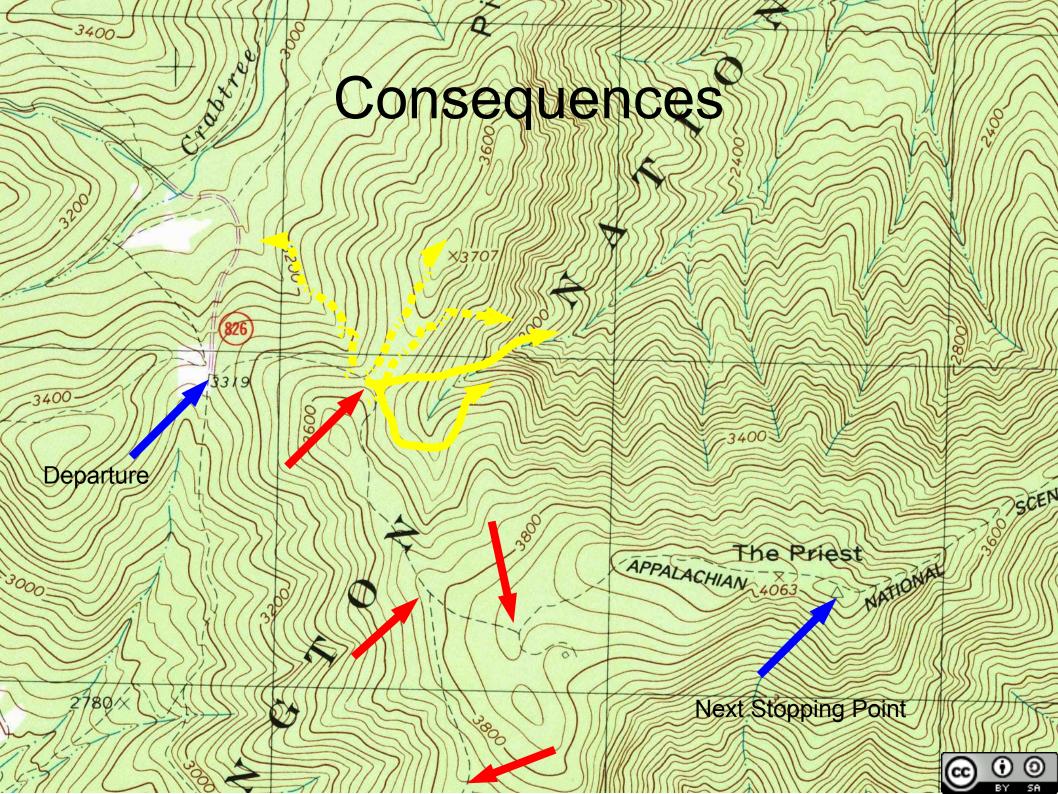
- Decision Points
- Paths of least resistance
  - Ridgelines
  - Remain in same watershed
- Goal directed behaviors
  - Route traveling to reorient (trails, roads, streams).
  - View enhancing: Going uphill in search of cell phone signal or view of landmarks.

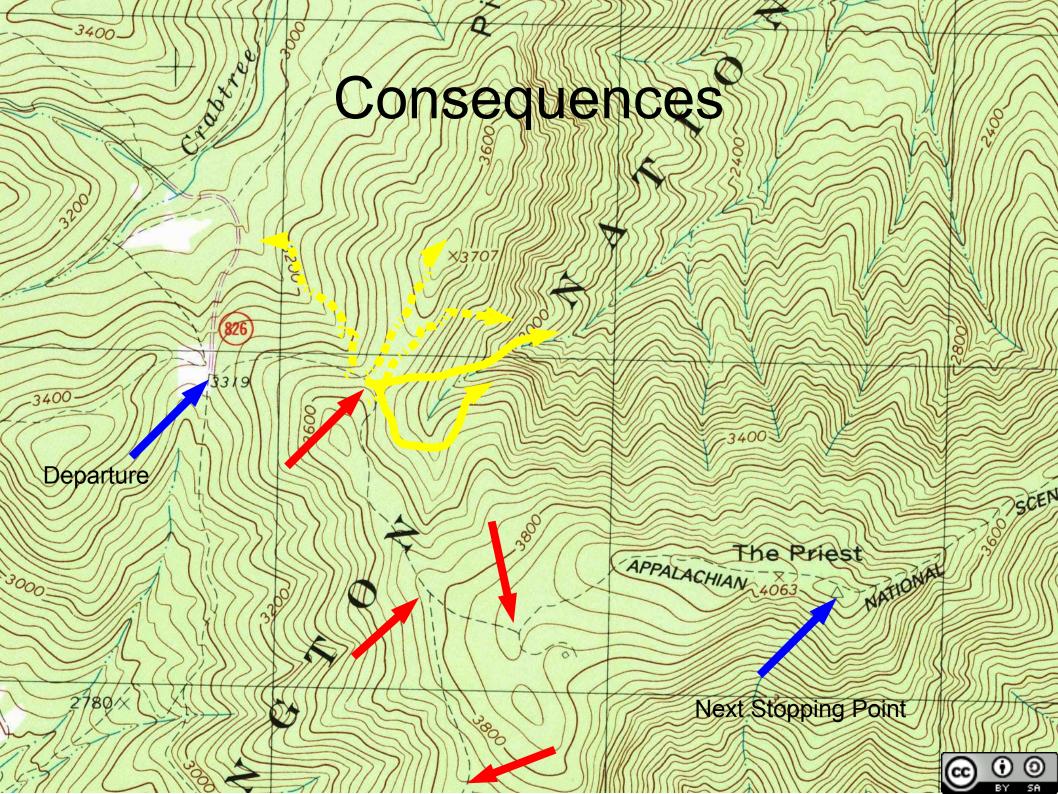


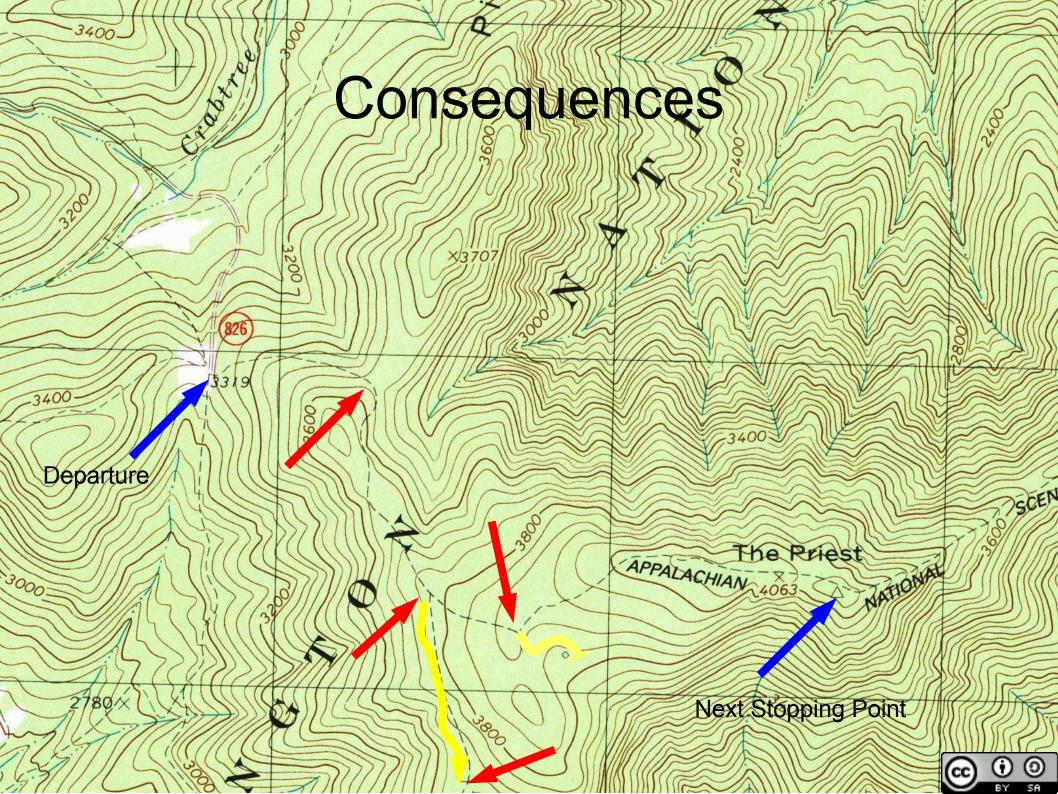


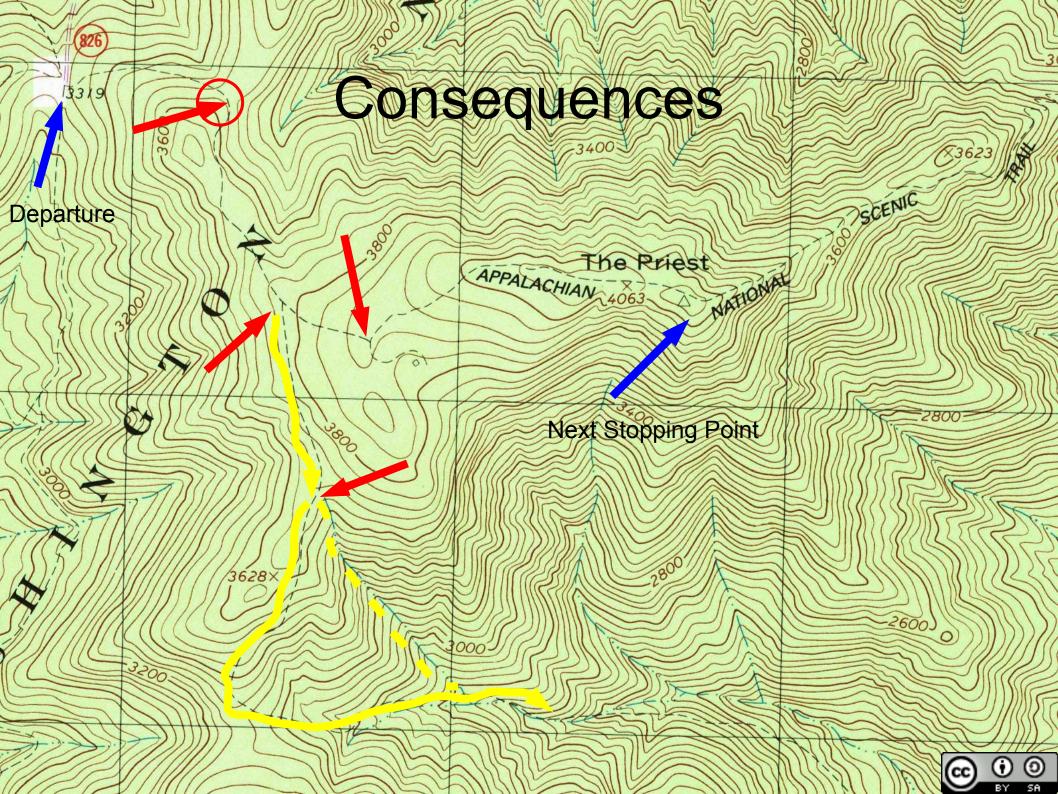


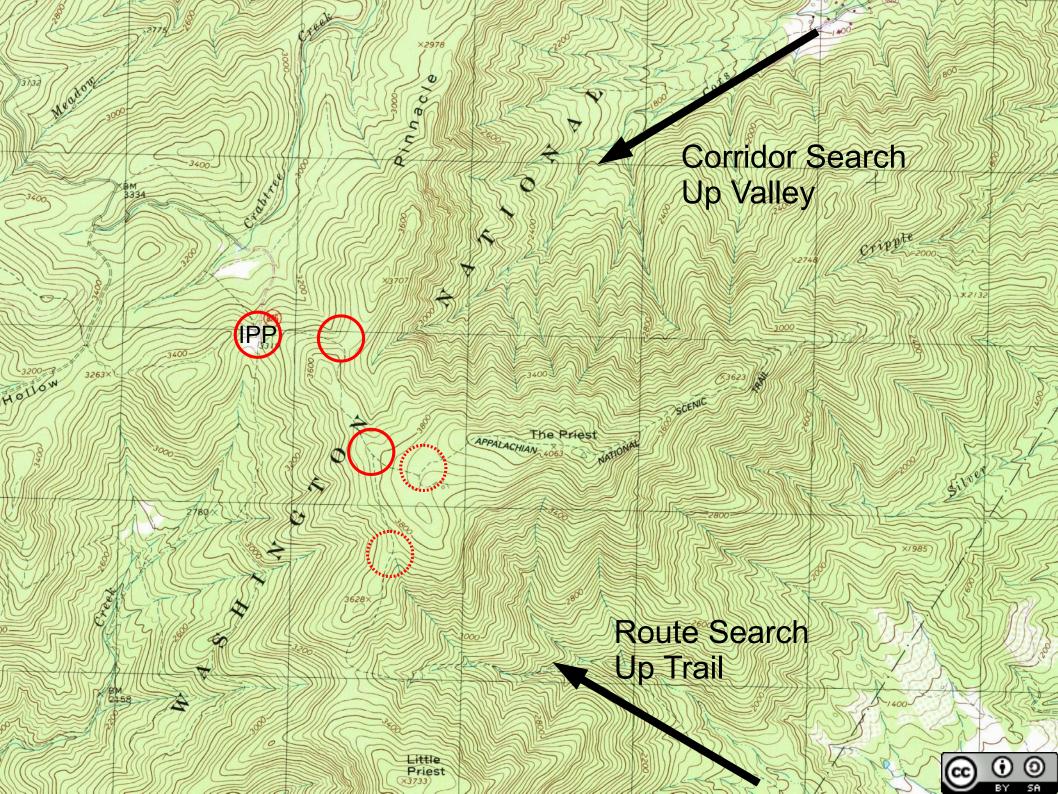


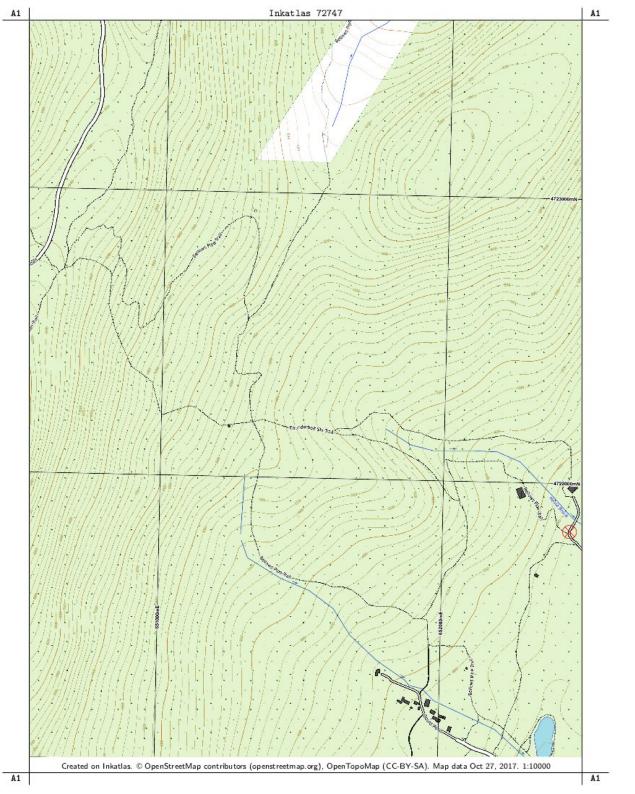












**Subject**: 25 year old male day hiker.

**PLS**: Subject dropped off on the Bellows Pipe Trail trailhead on Thiel Road at about 10 AM by a friend.

Weather: Cool overcast morning, then cold rain and mist for remainder of the day. Temperatures in the 50s.

Subject did not return for pickup at the expected time (4 PM). Friend followed plan and called for help.

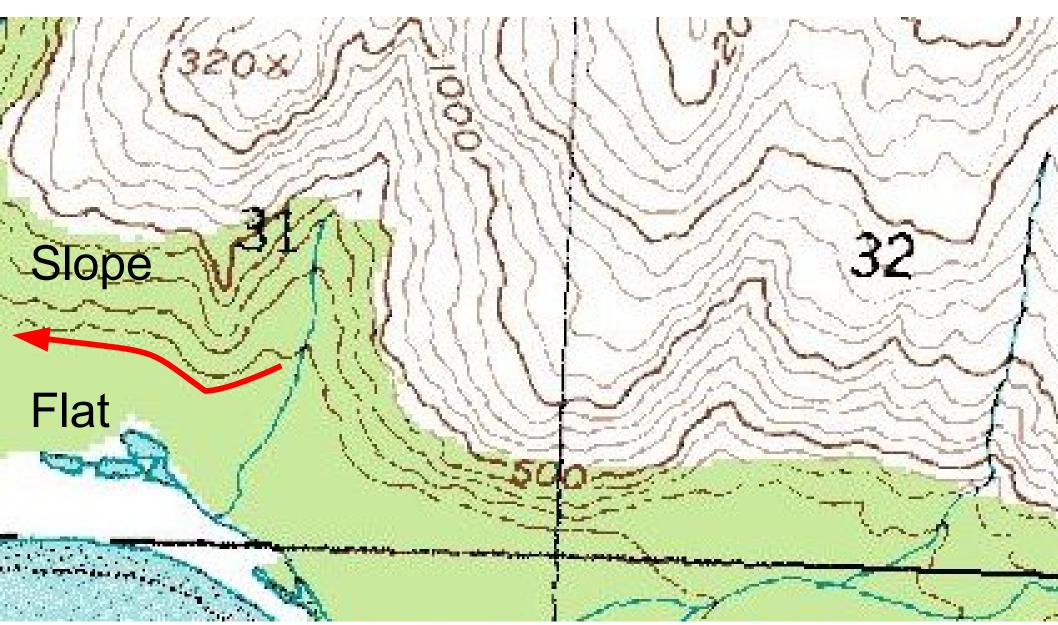
#### **Identify Decision Points**

## How do people travel on terrain?

#### **Yosemite Watershed Data**

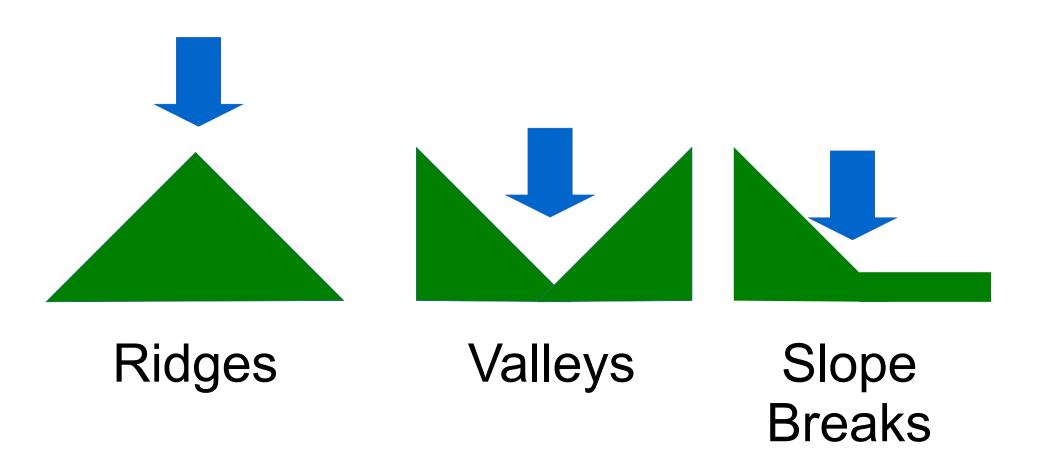
"129 hiker incidents (130 found locations), 63 people/groups (48%) were found within the same watershed in which they were reported last seen, and 15 of these were found at the IPP. Fifty (38%) people/groups were found in a watershed adjacent to the one in which they were reported last seen. Finally, 17 people/groups (13%) were found more than one watershed away."

# Slope Break

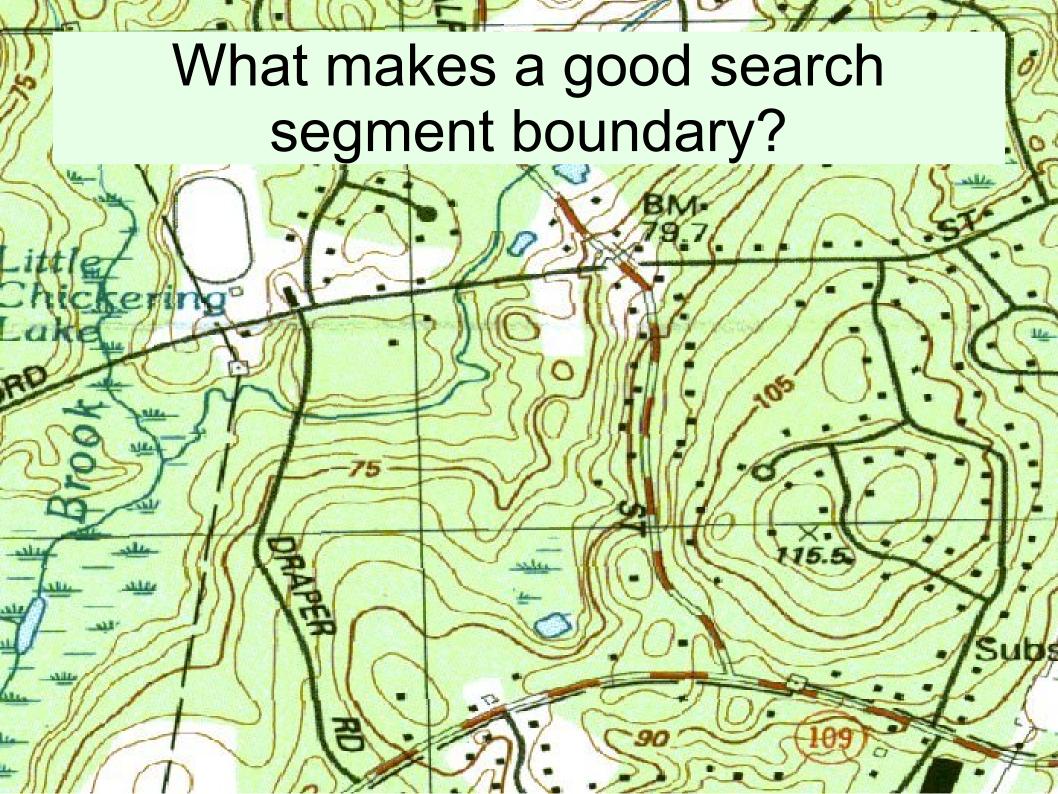




## Where People tend to Travel









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