

chs lks

angles to line to the N.E.

Included angle $78^{\circ} 25'$ Nat Tan $78^{\circ} 25' = 4.8788248$ + Base 22 ^{chs} 80 ^{lks} 22.80

39 03059840

97576496

97576496111.237205440To point of triangulation = ^{chs} 111. ^{lks} 24Add Distance run 3. 00Making 114. 24 to

point of triangulation from last post or

34 ^{chs} 24 lks on 259th mileOn 259th mileAzimuth $S. 48^{\circ} 12' 23'' E.$ Var $17^{\circ} 00' E.$

34. 24 To top of Middle Sister in Sweetwater Mountains, 10942 feet above sea level.

I made a mound of Stone 6 ft dia and 4 feet high.

This mountain was covered with snow when I crossed it on the 23rd of May 1873.

It was utterly impossible to chain down the South East Slope of this mountain into Sweetwater Valley. I therefore set up flag on top of Mountain, and proceeded to run a flag line into the Valley below, where I ran a Base of 79 chs 81 lks at right angles to line to the N.E.

Found included angle on flag on top of Middle Sister to be $78^{\circ} 57'$.