

Birds observed in area: (1 1/2 hours observation)

Cassins finch 22
 western bluebird 70
 white rufous 1
 Steller's jay 2
 Oregon junco 18
 raven 40
 evening grosbeak 4
 cliff chipmunks 2

Later hiked from camp to rim, thence E to Yaki Point and return. On way to point took 10 photos:

831213-1 To W
 831213-2 To NW with juniper border
 831213-3 To NW of unevenness (Tonto rim, Old Precambrian & dikes)
 831213-4 To W, juniper to left. Snow remnants.
 831213-5 To W.
 831213-6 Bright Angel Canyon. To N
 831213-7 " " " to upper left. Photo to N showing inner gorge.
 831213-8 To W
 831213-9 To W. juniper left.
 831213-10 buck mule deer, foot 91 mm.

831213-11 to NW.
 831213-12 to NW.
 831213-13 to NW, inner gorge.
 831213-14 S side canyon below D. Can. Village

Deer tracks every 20-30 feet at least, many in continuous trails paralleling rim. One of these deer trails crossed the main trail to rim and continued on without deviation. Deer tracks as examples measured 96-74-68-67-55-35. The smaller one may have difficulty surviving the winter. Met Mike Swartz at the museum at Yaki Point. He graduated from U. under environmental studies. Has been at Grand Canyon for 8 years. While at point noted 4-20 raven always in evidence in canyon from base of first cliffs (Cocconino) to 200' above rim. They seem to be there for pleasure or for digesting of food. Four or 5 inches of snow in protected areas and free of snow in exposed situations.

As we left camp on highway 180 approx 1/2 mi. from junction 64 found an Abert's squirrel in road as if stunned by car. When I approached it it left and walked 100' to climb a ponderosa pine. Both western & mt. bluebirds (320) from Grand Canyon to Flagstaff. Continued S on 108 to Flagstaff, thence N on 89 to Sunset Crater where we camped in front of Visitor's Center. One ponderosa pine across street N of Center measured 13' in circumference. A larger one was recently cut down in grounds.