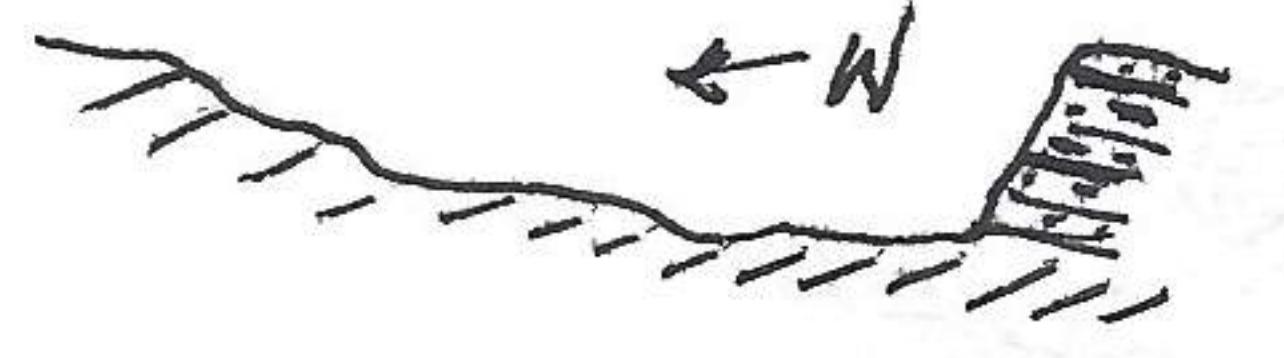


From top can see country below from Bloomington area to Gap Canyon and beyond to W, a complete destruction of ^{country by} offroad vehicle and motorcycle trails. It is difficult to imagine an area so extensive as the disaster below, especially ridge tops, rounded knolls but all surfaces defaced. It will never be ^{the} same even if use of area is prohibited because the trail patterns will become erosional channels which will start the new cycle of change of landscape. It has taken thousands of years to produce the original landscape and now in a blink of the eye, man has initiated an entirely new form which is unnatural to normal geological processes. Left top 12:48 P.M. and descended by travelling E until passage thru white rounded cliffs permissible. 1:34 Photo 91127-5. white knolls eroded. Sandstone top brown. 1:41 photo 91127-6 round white knoll. 1:55 white knolls to NE. 2:08 photo 91127-7 round knolls. 2:24 P.M. Photo 91127-8 white knolls, conglomerate at base. 2:35 P.M. photo 91127-9 rounded white knolls, Brigham tea in foreground. photo 91127-10 ibid. Beetles active, chipmunk active, wood rats common (nests), 1 cottontail. 3:32 Sceloporus. 3:49 P.M. arrived car. 6 hrs and 5 min. in field. approx 2 mi to top and 3 mi. return or 5 mi.

Nov. 28, 1991

Matt Jensen (James Jensen son) and I hiked small canyon approx 7/10 mi. NW of mouth Gap Canyon. At the mouth of the canyon with water fall and pool and extensive barren surfaces of bedding planes of rocks located contact zone of Permian and overlain sedimentation of variegated rock, shale, etc. The entire face was friable and whole sections (20') were collapsing, layers of 1"-2" rocks were breaking out as 1"-2" rocks and squeaks.



St. George, Washington Co., Utah

Nov. 29, 1991

Left St. George via car for Lopez Island. via Nevada, Calif., Oregon, Washington. Interstate 15 snow bound to north. Left 8:15 A.M. at mileage 3114.0 10:12 common raven. Arizona for short distance then Nevada at 10:37 A.M. at mile post 148. MP. 109 common raven. MP. common raven. Las Vegas. Lunch here. Continued W on 15 high way. MP. 21 ^{common} raven. MP. 14 common raven. Calif. 4:15 P.M. at 3260 4:54 2 raven. 4:53 P.M. 2 common raven. 4:56 red-tailed hawk. 5:07 7 common raven, 2 other groups of 2. 3375. mileage car odometer at 5:51 P.S.T. at Barstow.