

between limestone. Tracing this sill down slope it passes irregularly across light colored layers of the upper Siyeh limestone. The dark gray diabase, some places almost black, is composed of white crystals of plagioclase about the size of rice scattered thru a matrix of black pyroxene. Water coats them with green minerals. The diabase collected is no. 770815-33. Just above and below the sill is white marble formed where organic matter was driven out of the Siyeh limestone by heat from the molten magma of the Purcell sill. Fossil algae are easily observed in this marble. Specimen nos 770815-34 of marble above sill and 770815-35 of marble below sill. In some places the limestone is in direct contact with the diabase. A short distance down from here observed 4 mt sheep on high slopes above. Formations in the Glacier Nat. Park are

Kentla, Shepard, Siyeh, Grinnell, Appokunney, Altyn, Waterton. Continued down canyon to Mary Lake Camp.

Mary Lake Camp, Waterton - Glacier International Peace Park, Montana

Aug 16, 1977

Left this A.M. for Yellowstone. Min temp last night 37°F, no wind, visibility 200'. First photo at S end St. Mary Lake as we were leaving, showing entire <sup>st</sup> Mary Lake under clouds in photo 770816-1. (Blackfoot highway)  
 → 76072 at 8:56 A.M. 76082, Coyote jumped down into middle of road and remained 10 seconds before it return to some side as its original came and continued across slope at its usual gait. Photo 770816-2 of this animal. Its original intention was to continue across the road and join a second coyote just below us in an open field. This coyote was first observed in its normal gait and then as it approach a series of Spermophelus ~~and~~ holes and some animals, it reduced its gait to a slow walk as it passed by the squirrel digging. It leaped forward at one of the squirrels but without effect and then after urinating(?) it continued at its usual gait across the field and into the aspens. These coyotes passed by 8 adult and 3 young horses, passing by not more than 20' without reaction from either the horses or the coyotes. Magpies in some area about 150' from coyotes. This area can be tied in with mileage 76088.7 at highway 89 and Kiowa junction. 76091 marsh hawk, redtail. Blackfoot area overgrazed. If this prairie were to be returned to natural conditions it would be a luxuriant growth of grasses, Carex and flowers. Ponds (artificial) low. 76101. at Browning 20 quails in field. 76203 redtail. 76~~20~~<sup>12</sup>4 sparrow