Entrada Field Station (EFS)

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Voice: 801-581-7623; Website: http://entrada.utah.edu/

Site type: gradient Sensor type: Basic Latitude: 38.80 Longitude: -109.27 Elevation (m) 1269-2000

Year of record establishment: 1951

(USGS)

Vegetation type:

desert shrub through pinyon-juniper

woodland Land-use class: w

Aquatic info: ri

Precipitation (cm): 20-40 Ann. temperature (C): 12 RFI themes: drought, warming,

climate.

infectious disease (hanta virus)

URL: entrada.utah.edu

Access: 8 mile well graded dirt road,

off paved highway; year-round 2-WD access

Control: locked gate; no access other than through gate

Power: 220 VAC on site

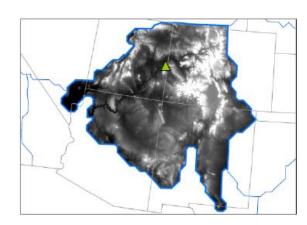
Water: 10,000 gallon culinary water; river water is additional (400 acre-ft/yr)

Aereal extent: 400-3000

Contact: Jim Ehleringer, University of Utah, Ehleringer@biology.utah.edu

Lab facilities: yes, basic Lodging facilities: yes

The Entrada Field Station of the University of Utah is located along the Dolores River, 12 km East of its confluence with the Colorado River. The river flows perennially, experiencing large seasonal fluctuations as there are no dams or diversions other than the McPhee Reservoir in southwestern Colorado, 200 km upstream. There is an online, 55-year USGS gauging record that includes records of stream discharge, stream temperature, and specific conductivity. Two online weather stations are currently operating at the site. The field station is characterized by a classic Colorado Plateau gradient from riparian to red-rock pinyon juniper



woodlands. There are three box canyons that have been free of grazing and disturbance for several decades. The canyons vary in area by about two orders of magnitude and streamflow occurs only after high intensity, episodic precipitation pulses. The unique geology and biodiversity of the property offers unique opportunities for long-term studies in hydrology and ecology. Ecohydrological studies conducted by Dr. Ehleringer are currently ongoing. The land adjacent to the property is owned by the BLM and is set aside for "primitive camping" and recreation. The BLM is very receptive to research in the area.

The Entrada Field Station is located 65 km southeast of Moab, UT. Vehicle access to the ranch is from a well-maintained 12 km dirt road off of state highway 128. Currently, the field station has facilities to comfortably house 12 people.