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August 7, 2013

Description of Sunshine Springs Water System Pressure Irrigation System Condition

The system of Sunshine Springs uses water from two entry points: the north ravine and the west ravine

West ravine water is mostly the Torkelson Fire Mountain Canal & Reservoir Company irrigation wastewater runoff from Torkelson fields and pastures on Sunshine Mesa and also spring overflow water from Sunshine Springs #1 domestic water. This water enters a 4-inch diameter pipe, part way down the ravine that extends to the pressurized pipe system on the lower Torkelson field. Nine or more outlets are on these pipes used for feeding a water cannon used by Torkelson to irrigate. This pipe and the domestic water delivery pipe from Sunshine Springs #1 pipe is also connected to the fire hydrant on Lot 2A of Sunshine Springs Subdivision, and the 4-inch diameter pipe also supplies water to the three small landscape ponds on Lot 3A, south of the barn.

There is a water storage tank in the ravine.

Water also enters the Sunshine Springs pipe system from the **North ravine**: Sunshine Springs #2, #3, #4, and a diversion point for William/Bennett ditch is located up there. Water from those sources enter pipes from collection points and are delivered southward to valve station and storage systems, or is dumped back into a pond for the benefit of the health of the fish, or it is used in the gravity fed irrigation system in place. It can also feed the fire hydrant located on Lot 2A

Valves must be turned on that are currently "off" to add water to the fire hydrant delivery pipe from the north ravine pipe system.

The fire hydrant can be supplied with water from Sunshine Springs #1 that has a cistern and when full, holds 1500 gallons. Add to this the water stored in the delivery pipes and it is estimated a total fire hydrant water supply capacity of 2,000 gallons. The Paonia Fire Department came to the hydrant to test its capacity when the subdivision was being established. The water had adequate pressure and over 2,000 gallons of volume during that test.