

Attachment 3

Bifid duct pyrg

Habitat: Turnley, Big Spring (Snake Valley) and 6 springs in Millard County, Utah. It may also occur in Rock and two unnamed springs near Turnley Spring.

Rock Spring:	39 10' 53.28" N, 114 22' 27.73" W	6352'
Unnamed Spring 1:	39 10' 35.43" N, 114 21' 39 22" W	6545'
Unnamed Spring 2:	39 10' 25.3" N, 114 22' 01.4" W	6410'



Ownership: BLM

Observed threats:

- Cattle
- Sediment and contamination from roads at Rock and Unnamed 1 springs
- SNWA ground water development project
- Inadequate regulatory mechanisms.

None of these three springs are reported in the BLM DEIS for the SNWA project as having springsnails. I found springsnails at Rock Spring, where they were common, and at Unnamed Spring 2 where they were

very rare – fewer than a dozen were observed in several hundred feet of observations. The species are believed to be bifid duct given their proximity to Turnley Spring.

Photos:



Rock Spring emerges at the base of the rock in the photo. The spring brook flows shallowly down and crosses an open dirt road. There is a spring gauge 10-15' below the road and a spring mound below that, followed by a marshy pond. Almost all the snails were observed above the gauge with the exception of 3 just below the gauge.



Gauge and spring mound below the road.



Springsnails in Rock Springs brook.



More snails at Rock Springs.



Cattle concentrating area right at Rock Spring. The dirt road is just off the lower left corner. The area could also be a salting area.



Unnamed Spring 1, looking towards where it emerges.



Unnamed Spring 1, from atop where it emerges. No snails were found, but there was a lot a vegetation in the water and I did not spend a great deal of time looking.



Unnamed Spring 2 flows through a fairly heavily canopied PJ area – no snails were found there.



Just above the PJ area the spring brook runs through small wet meadows.



Snails were only observed in the middle meadow in the area at the center of this photo – one of the few open areas in an otherwise heavily vegetated brook.



Springsnails in Unnamed Spring 2's brook.