

Ten Mile Allotment: Bumblebee Spring (south of Ten Mile Creek)

Mary O'Brien
Grand Canyon Trust

The Bumblebee Spring south of Ten Mile Creek once had a fence enclosing only the point of origin of the spring, but that fence is wholly broken (Fig. 1). The road is capturing the water flowing from the spring (Fig. 2), and the flow is being used as an extended open water trough by cattle (Fig. 3)

Major concerns:

- Elimination of all spring-specific biota
- Violation of riparian utilization standards
- Diversion of the creek from the shrublands below the spring

The spring could be fenced to 30' above the road. If the water were directed beneath the road via a culvert, a spreading mechanism would be necessary to allow the water to seep into the slope below. Fencing of that area would have to be more extensive.

Question:

Is Bumblebee Springs an essential water source for Ten Mile Pasture cattle? Does it concentrate cattle use in the vicinity of Ten Mile Creek?



Fig. 1 Broken-up Bumblebee Spring



Fig. 2. Ten Mile: Bumblebee Spring water captured by road



Fig. 3. Ten Mile: Cattle trampling of Bumblebee Spring drainage