

MARIJILDA CANAL FIELD NOTES

Map:

<http://mapper.acme.com/?ll=32.72173,-109.76440&z=14&t=5>
 &marker0=32.73126%2C-109.75917%2C4.3%20km%20W%20of%20Swift%20Trail%20Junction%20AZ
 &marker1=32.72419%2C-109.76236%2C4.6%20km%20W%20of%20Swift%20Trail%20Junction%20AZ
 &marker2=32.74256%2C-109.74531%2C3.3%20km%20WxNW%20of%20Swift%20Trail%20Junction%20AZ
 &marker3=32.71491%2C-109.76891%2C5.5%20km%20WxSW%20of%20Swift%20Trail%20Junction%20AZ
 &marker4=32.72358%2C-109.76252%2C4.7%20km%20W%20of%20Swift%20Trail%20Junction%20AZ
 &marker5=32.70605%2C-109.77788%2C6.6%20km%20WxSW%20of%20Swift%20Trail%20Junction%20AZ
 &marker6=32.72173%2C-109.76440%2C4.9%20km%20W%20of%20Swift%20Trail%20Junction%20AZ

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|--------------------------|---|
| USGS Topo Names: | Mount Graham and Artesia, AZ 7.5' |
| Canal Length: | 3.2 kilometers or 2 miles. |
| Canal Slope: | 8.9 percent, includes major mesa dropoff. |
| Nominal Size: | Hanging portion 1 meter wide by 20 CM deep |
| Land Ownership: | Coronado National Forest and Arizona State lands |
| Access: | Difficult 4WD route; hiking only on hanging mesa |
| Field Verified: | 100 percent |
| Hanging Features | Very definite exceptionally high hanging portion |
| Study Confidence: | Very high. |

Locations of interest:

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|-----------------------------------|---|
| N 32 42.363' W 109 46.673' | Marijilda Creek takein at usual perennial limit |
| N 32 42.895' W 109 46.135' | Typical portion overlain by modern Lebanon Ditch |
| N 32 43.304' W 109 45.864' | Divergence of prehistoric and historic |
| N 32 43.415' W 109 45.751' | Upstream start of solid aqueduct |
| N 32 43.451' W 109 45.742' | Downstream end of solid aqueduct |
| N 32 43.876' W 109 45.550' | Significant impressive mesa hanging portion |
| N 32 44.554' W 109 44.719' | Final Lebanon #2 mesa dropoff |

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|------------------------------|--|
| Significant Features: | Easiest viewed spectacular hanging portion |
| | Includes unique companion solid aqueduct |
| | Partially overlain by Lebanon Ditch historic system |
| | Flows to this day |
| | Major habitation, ag, and fieldhouse sites nearby |

Images: < <http://www.tinaja.com/images/hangcan1.jpg> > % Marijilda hang

Present work that needs done on the Marijilda Canal...

- Resurvey the entire route, especially the eastern mesa top
- Determine missing portion of Henry's Canal and its takeoff
- Establish any Twin West Canal involvement
- Videotape preserve the hanging portion
- Improve knowledge of the eastern mesa falloff
- Improve slope measurements
- Coordinate and collaborate historical constructs
- Investigate Roper Canal prehistoric extension evidence