

TWIN EAST CANAL FIELD NOTES

Map:

<http://mapper.acme.com/?ll=32.76447,-109.73469&z=16&t=S&marker0=32.76521%2C-109.74199%2C2.6%20km%20WxNW%20of%20Cactus%20Flat%20AZ&marker1=32.76570%2C-109.73433%2C2.0%20km%20WxNW%20of%20Cactus%20Flat%20AZ&marker2=32.76293%2C-109.73419%2C1.9%20km%20WxNW%20of%20Cactus%20Flat%20AZ&marker3=32.76267%2C-109.73259%2C1.7%20km%20WxNW%20of%20Cactus%20Flat%20AZ&marker4=32.76055%2C-109.73485%2C1.9%20km%20W%20of%20Cactus%20Flat%20AZ&marker5=32.76243%2C-109.74375%2C2.7%20km%20W%20of%20Cactus%20Flat%20AZ&marker6=32.76436%2C-109.73402%2C1.9%20km%20WxNW%20of%20Cactus%20Flat%20AZ&marker7=32.76141%2C-109.73347%2C1.8%20km%20W%20of%20Cactus%20Flat%20AZ&marker8=32.76719%2C-109.73853%2C2.4%20km%20WxNW%20of%20Cactus%20Flat%20AZ&marker9=32.76423%2C-109.73163%2C1.7%20km%20WxNW%20of%20Cactus%20Flat%20AZ&marker10=32.76323%2C-109.73370%2C1.8%20km%20WxNW%20of%20Cactus%20Flat%20AZ>

USGS Topo Name: Safford, AZ 7.5'
Canal Length: At least 2.4 kilometers or 1.5 miles
Canal Slope: Assumed one percent over most of reach.
Nominal Size: 1 meter wide 30 cm deep Ponding area is single walled.
Land Ownership: Arizona State Lands; Cemetery; other private.
Access: Some property posted.
Field Verified: 40 percent
Hanging Features: Well defined and medium high.
Study Confidence: Very high; sourcing and slope studies need further work.

Locations of interest:

N 32 45.633' W 109 44.091' Southeasternmost extent of present canal research
N 32 45.685' W 109 44.008' Canal vanishes under cemetery maint structures
N 32 45.760' W 109 43.955' Briefly obvious resumption north of cemetery
N 32 45.794' W 109 44.022' "U turn" or "sweeping S" crossing of 4WD track
N 32 45.776' W 109 44.051' Second sharp "U" turn in wash
N 32 45.862' W 109 44.041' Eastern limit of ponding area
N 32 45.942' W 109 44.060' Ponding area trashed by modern water project
N 32 46.031' W 109 44.312' Western limit of ponding area
N 32 45.913' W 109 44.519' Southwesternmost extent of present Twin research
N 32 45.854' W 109 43.898' Curious rock alignments largely unevaluated

Significant Features: Ponding area has TWO distinct major feeder canals.
Ponding area has significant cultural features nearby.
Ponding area is single walled with parallel routes.
Tranquility canal approaches amazingly close.
Hanging and sweeping "S" and "U" turns maintain grade.
Simultaneous presence of canals, grids, and mulch rings.
Mystery northeast rock alignments needing evaluated.
One of the few reasonably established end use areas.
Rare hanging canal end use area

Images: < <http://www.tinaja.com/canal/rework/level2/rinc2.jpg> > % ponding area
< <http://mapper.acme.com/?ll=32.76622,...> > % acme ponding

Present work that needs done on the Twin East Canal...

- Carefully map cultural features in ponding area.
- Resolve multiple routes in ponding area.
- Verify negative slopes of both feeder canals in additional places.
- Extend east feeder southward and seek Marijilda link.
- Further explore canal reach north of cemetery.
- Resolve mystery alignments northeast of cemetery reach.