

ALLEN CANAL FIELD NOTES

Map:

<http://mapper.acme.com/?ll=32.81772,-109.80646&z=13&t=S&marker9=32.78239%2C-109.83550%2C9.6%20km%20N%20NE%20of%20Mount%20Graham%20AZ&marker1=32.78532%2C-109.83307%2C10.0%20km%20N%20NE%20of%20Mount%20Graham%20AZ&marker2=32.78663%2C-109.83218%2C9.8%20km%20S%20W%20of%20Thatcher%20AZ&marker3=32.79101%2C-109.82818%2C9.2%20km%20S%20W%20of%20Thatcher%20AZ&marker4=32.80072%2C-109.81976%2C7.9%20km%20S%20W%20of%20Thatcher%20AZ&marker5=32.81087%2C-109.81194%2C6.6%20km%20S%20W%20of%20Thatcher%20AZ&marker6=32.82886%2C-109.80156%2C4.6%20km%20WxSW%20of%20Thatcher%20AZ&marker7=32.83370%2C-109.79504%2C3.8%20km%20WxSW%20of%20Thatcher%20AZ&marker8=32.83556%2C-109.79783%2C4.0%20km%20WxSW%20of%20Thatcher%20AZ&marker9=32.83359%2C-109.80515%2C4.7%20km%20WxSW%20of%20Thatcher%20AZ&marker10=32.84909%2C-109.80045%2C3.9%20km%20W%20of%20Thatcher%20AZ>

USGS Topo Name: Thatcher, AZ 7.5'
Canal Length: 9.6 kilometers or 6 miles long
Canal Slope: 4.6 percent including mesa falloff.
Nominal Size: varies 1 meter x 20 cm to 3 meters to 2 meters
Land Ownership: Arizona State Lands
Access: Some difficult foot or small 4WD.
Field Verified: Assumed 60 percent. Destination remains unknown.
Hanging Features: Several smaller hanging portions.
Study Confidence: Very high.

Locations of interest:

N 32 46.943' W 109 50.130' Diversionary takein point.
N 32 47.119' W 109 49.984' Hawk Hollow tank overlay
N 32 47.198' W 109 49.931' Numerous CCC water spreaders
N 32 47.461' W 109 49.691' Fairly long and deep cut
N 32 48.043' W 109 49.186' Crossing Mud Springs Back Trail
N 32 48.652' W 109 48.717' Well defined mesa route
N 32 49.732' W 109 48.094' Presently untraced off mesa edge
N 32 50.022' W 109 47.702' Resumes from under Allen Reservoir
N 32 50.133' W 109 47.870' Exceptionally deep and long Culebra Cut
N 32 50.133' W 109 47.870' Northern limit of easy traceability
N 32 50.945' W 109 48.027' Presumed destination field area

Significant features:

One of the longest studied canals
Distinct architectural variance between mesa and floor
Initial portion reworked by Hawk Hollow dam and CCC masonry.
Long cut reaches.
Significant mesa dropoff
Allen Reservoir blocked canal without accomodation.
Spectacular "Culebra Cut" longest and deepest known.
Ultimate delivery destination still unknown.

Images: < <http://www.tinaja.com/images/allen0.jpg> > near takein point
< <http://www.tinaja.com/images/allen1.jpg> > above Culebra Cut

more...

ALLEN CANAL FIELD NOTES, CONTINUED...

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

- Explore and map the missing segments, especially mesa to dam
- Resolve the destination and terminal use disappearance.
- Carefully survey the Culebra Cut.
- Study the CCC water spreader interactions.
- Resolve the Allen Reservoir water sources.
- Further research the Allen Dam Disaster.

Allen dam document collection:

< <http://www.tinaja.com/glib/allendam.pdf> >

< <http://electronics.wesrch.com/paper-details/pdf-EL1GP93...> >