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A Gila Valley Bajada Hanging Canal Directory

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We seem to be due for another revision of our Prehistoric **Bajada Hanging Canal** list, perhaps adding a few images and field note links of varying currency.

There are presently two ways to count the canals. Per this **study candidates list** (now 82) that may include multiple names having missing pieces, some related significant prehistoric water management entities that perhaps are not strictly canals, and a very few discredited listings kept to avoid duplicate efforts. Plus a **certified list** in the forties of those that are considered strongly validated.

Either way, the total lengths awaiting drone mapping appear likely to well exceed a world class and utterly spectacular ONE HUNDRED MILES!

Possibly significantly more.

A useful paper on these canals remains **here**, along with extensive coverage **here**. We are also on **Wesrch** and **ResearchGate**.

Starting today with some of the latest...

82. LOWR2 -

Understudied Lower Rincon

Near **32.77355 -109.74263** to **32.77360 -109.74166**
Possibly part of still unproven Discovery Park Canal.

81. TBD1 -

Thunderbird Canal

32.74350 -109.73323 to **32.74353 -109.73261**
Previously unnamed portion of **CC:5:51** under restudy.

80. REY1 -

Reay Canal

32.80623 -109.77622 to **32.82236 -109.77287**
Endangered possible Golf Course Canal Destination.
rey1 reay3 reay5

- 79. LPZ1 -**
Lopez Canal
32.82141 -109.76650 to **32.82376 -109.76307**
Discredited - likely a 4wD track.
- 78. ARTS1 -**
Artesian #1 Canal
32.75273 -109.72032 to **32.76247 -109.71188**
Flowing historic canal in strong artesian area likely to have seen prehistoric use as well.
artes1a artes1b artes1c
- 77. ARTS2 -**
Artesian #2 canal
32.75288 -109.72043 to **32.75288 -109.72043**
A second but apparently commonly sourced and still flowing historic canal in a strong artesian area. Has possibly been cardinal redirected from original.
- 76. TALW2 -**
Tailwater2 Canal
32.83987 -109.91578 to **32.84067 -109.91407**
Discredited - likely historic orchard overflow.
- 75. LFEX1 -**
Lower Frye Extension
32.77325 -109.78377 to **32.77428 -109.78270**
Required but unproven link between Frye Complex, Blue Ponds Canal, and Freeman Canal.
frye_lead200
- 74. GCC1 -**
Grant Creek Canal
32.59825 -109.96483 to **32.58887 -109.96758**
South of Mount Graham historic canal that may or may not have had prehistoric origins.
- 73. HCC1-**
Hog Canyon Canal
32.55361 -109.76449 to **32.55407 -109.76414**
South of Mount Graham possibly prehistoric canal currently unexplored. Possibly perennial.

72. CNU1 -

Canal near UFO Fish Fillets

32.81428 -109.96678 to **32.81536 -109.96618**

Short canal previously studied by Dr. Neely.
Location is approximate.

71. CBAE1 -

Bandelier Artesian Extension

32.93523 -109.94128 to **32.94158 -109.92112**

Dried up artesian lake may have enormous potential. Definite signs of historic reuse plus possible Bandoleer Canal source.

band2 band3 band4

70. LFC1 -

Lower Frye Construct

32.76749 -109.79289 to **32.76824 -109.79178**

Mysterious and unexplained construct may have major prehistoric canal significance. Likely Blue Ponds Canal and Freeman Canal related. Extensive study still needed. Field notes [here](#) and [here](#) .

frye100 frye101 frye106 frye108

69. UMC11 -

Upper Marijilda Canal

32.70664 -109.77779 to **32.70693 -109.77729**

Smaller hanging canal near Marijilda diversion.

68. DEC1 -

Deadman East Canal

32.75295 -109.78502 to **32.75655 -109.77688**

Potentially significant prehistoric canal remains largely unexplored due to difficult access.

Field Notes [here](#) and sourcecode [here](#).

deadman3 deadman4 deadman5

67. SCC1 -

Sand Canal Center Branch

32.82953 -109.92950 to **32.83441 -109.92705**

Destinations of easily traced canal remain unknown. Canal apparently uses a natural drainage partial route. Field notes [here](#) and sourcecode [here](#).

sand19 sand30

66. SCW1

Sand Canal Western Branch

32.82953 -109.93063 to 32.83441 -109.92705

Destinations of easily traced canal remain unknown.

Field notes [here](#) and sourcecode [here](#).

[sand40](#)

65. SR1 -

More Spear Ranch Work

32.83348 -109.91548 and 32.83616 -109.91440

Additional survey required north of Lefthand.

64. PRM1 -

P Ranch Mysteries

32.61817 -109.72829 to 32.61611 -109.72809

Additional survey required beyond Veech.

63. UFO1 -

UFO Fish Fillets

N 32.81203 W 109.97330 to N 32.82299 W 109.96420

A highly atypical apparent CCC project that may or may not have had prehistoric origins.

[ufooff](#)

62. BDC1 -

Bandelier Canal

N 32.94446 W 109.91120 to N 32.94677 W 109.91317

Appears to be deep vee riverine canal possibly linked to artesian source at **32.93522 -109.94131** but apparently unrelated to most mountain stream fed resources.

61. GRD2 -

The grids -

Near **N 32.78651 W 109.74353 to N 32.79408 W 109.75260**

rectangular agave farming arrays. Many thousands north of the Gila river, a few hundreds south. Not directly canal related, but enormously significant area features.

[bestgrid](#)

60. BSC1 -

Bear Springs Scam

N 32.85049 W 109.94399 to N 32.87226 W 109.92596

Apparent scam huge historic canal from a source highly unlikely to have been prehistorically ignored. The history part needs resolved first as the present canal is much too large.

Field notes [here](#) and sourcecode [here](#).

59. NWD1 -

Nuttall Watershed Diversion

N 32.77471 W 109.95411 to N 32.77774 W 109.95532

Postulated third watershed crossing would supplement Sand Canal. Largely Discredited. Present Sand Canal taken believed near **32.81238 -109.94797**.

58. SWC1 -

Sand Wash Canal

32.81238 -109.94797 to N 32.83508 W 109.92274

Ideal short tour candidate has nearly everything including easy access. May be prototype as final channel minuscule. Mysterious historic "cluttering" with random "stuff". Tri branched. Field notes [here](#) and sourcecode [here](#).
sand4 sand6 sand8

57. MR1-

Mystery Reach

N 32.81793 W 109.90207 to N 32.82478 W 109.90003

Once convincing aerial evidence field verified more as a disused vehicle two track. Largely discredited.

56. LMC1 -

Lamb Tank Canal

N 32.81196 W 109.92310 to N 32.81445 W 109.92266

Difficult access. Additional study required.

55. SLC1 -

South Lefthand Canal

32.83101 W 109.91453 to N 32.83366 W 109.91555

Yet to be verified aerial image.

54. LWC1 -

Lefthand West Canal

N 32.82077 W 109.91835 to N 32.82564 W 109.91851

Prehistoric original adapted for historic field reuse. Field note [here](#) and sourcecode [here](#).

53. MLC1 -

Main Lefthand Canal Complex

N 32.80850 W 109.91812 to N 32.81680 W 109.91872

Shorter canal segments primarily used for end use delivery. Paper [here](#) .

52. TGC1 -

Tugood Canal

N 32.80923 W 109.87115 to 32.82100 -109.86675

Most impressively pristine of the known hanging canals.
Superb restoration candidate. Field note [here](#) and sourcecode [here](#).

51. MWD1 -

Minor Webster Ditch

N 32.79771 W 109.87296 to N 32.81310 W 109.86638

Historically redeveloped canal shows reasonable evidence of unmodified prehistoric origins. Somewhat paired with the Tugood Canal. Field note [here](#) and sourcecode [here](#).
[minor1](#) [minor2](#)

50. CNW1 -

Cluff Northwest Canal Complex

N 32.82494 W 109.84652 to N 32.83635 W 109.84302 .

Strongly redeveloped canal system includes convincingly authentic prehistoric reaches. Older field note [here](#) and sourcecode [here](#).

49. CSW1 -

Cluff Southwest Canal

N 32.81586 W 109.84971

Branches from the Smith Canal takein on Ash Creek.
Still unexplored. Likely a short destination.

48. STC1 -

Smith Tank Canal

N 32.81870 W 109.84689 to N 32.82055 W 109.84458.

Likely has unproved prehistoric original. Field notes [here](#) and sourcecode [here](#) .

[smith1](#) [smith2](#) [smith3](#) [smith4](#) [smith5](#)

47. LMT -

Lower Mud Trace

N 32.80803 W 109.84448 to N 32.81882 W 109.84093.

Aerial images appear to be field verified as a historic two track. Largely discredited.

46. JEC1 -

Jernigan Canal

N 32.82765 W 109.81953 to N 32.84131 W 109.81649.

One of few canals with obvious destination. Conspicuous hanging portion, habitation sites. Three "U" turns. Portions still unaccounted for. Field note [here](#) and sourcecode [here](#).

[jern1](#)

45. MST1 -

Mud Springs Tank

N 32.82766 W 109.81896.

Apparently historic construct would seem to demand Mud Springs Canal for its water.

44. MJB1 -

Mud Jernigan Branching Point

N 32.82765 W 109.81953.

Apparent location of the beginning of the Jernigan Canal, branching off the Mud Springs Canal. Three portions of the route remain unresolved.

43. THP1 -

Troll House strange structure

N 32.82538 W 109.82281.

Enigmatic pithouse like mud springs canal related structure lacks charcoal evidence and is intimately mud springs canal related.

troll1

42. MSC1 -

Mud Springs Canal

N 32.79153 W 109.85375 to N 32.84796 W 109.81105.

Major canal system branches to Jernigan, includes several hanging portions and spectacular proven watershed crossing. Plus a troll house. Destination remains unknown.

Field note [here](#) and sourcecode [here](#).

mud1 mud2 mud4 troll1

41. ACF1 -

Ash Creek Feeder to Mud Springs

N 32.79016 W 109.85478 to N 32.79140 W 109.85388.

Source for Mud Springs canal via proven spectacular watershed crossing but not yet fully explored. Possibly obliterated by

Tropical Storm Octave .

40. CUC1 -

Culebra Cut

N 32.83567 W 109.79796 to N 32.83560 W 109.79841.

Spectacular major cut in Allen Canal below historic dam. One of the three largest known hanging bajada canal constructs.

Others include the HS Canal and the aqueduct. Allen field notes [here](#) and sourcecode [here](#) . Dam failure docs [here](#).

culebra1

39. ALD1 -

Allen Dam Failure

N 32.83324 W 109.79383

Back in its water skiing (!) days, might have been fed by the Allen Canal. GuruGram [here](#).

38. ALC1 -

Allen Canal

N 32.78237 W 109.83540 to **N 32.83253 W 109.80507**.

Major prehistoric canal possibly includes Frye Watershed crossing. Includes impressive Culebra Cut Destination remains unknown. Earlier field notes [here](#) and sourcecode [here](#) .
allen0 allen1 culebra1.

37. RBC1 -

Robinson Ranch Canal

N 32.75997 W 109.81147 to **N 32.79930 W 109.79027**

Major hanging canal with strong down = up illusion sources from Lower Frye Mesa ponding area. Relation to Reay Canal not yet resolved.

Field notes [here](#) and sourcecode [here](#).

rob1 rob2 rob3 .

36. TAP1 -

Twin Artesian Ponds

61N 32.79956 W 109.78347 and **N 32.80264 W 109.78091**.

No obvious links to nearby Golf Course Canal, but unlikely to have been prehistorically ignored.

35. GCC1 -

Golf Course Canal

N 32.79811 W 109.78286 to **N 32.79895 W 109.77587** .

Major prehistoric canal serviced Daley Estates area. Includes hanging portions. Some routings remain unknown. Likely related to HS Canal and Riggs Canyon and Reay Canal. Field notes [here](#) and source code [here](#) .
golf1map gc1 gc2 golf3

34. RGC1 -

Riggs Mesa Area Braided Channels

Area of N 32.77763 W 109.78729 to **N 32.77831 W 109.78694** .

Enigmatic channels may be routing between HS Canal and Golf Course Canal. Needs work. Field notes [here](#) and sourcecode [here](#).

33. BPC1 -

Blue Ponds Canal

N 32.78118 W 109.77771 to N 32.78064 W 109.77607 .

Short disused historic pond routing canal is likely a portion of Lower Frye Construct and Freeman Canal. Presently has been "lost" and awaits rediscovery. Includes obvious concrete headgates.

32. LFC1 -

Earlier Freeman Canal Search

N 32.76634 W 109.79377 to N 32.77185 W 109.78715 .

This initial search for a Blue Ponds to Lower Frye connection was discredited due to horseshoes on an apparent wagon road. See #75 LFEX1 for current interest.

31. HSC1 -

HS Canal

N 32.75987 W 109.81163 to N 32.75771 W 109.81511 .

Spectacular hanging and counterflowing structure RETURNS water to Frye Creek, possibly sources Golf Course, Blue Ponds, and Freeman Canals. Among the three most major known constructs that include the Aqueduct and the Cuebra Cut. Absolutely and unquestionably world class.

30. FPA1 -

Lower Frye Mesa Ponding area.

N 32.75995 W 109.81148 .

Gathers in Frye Mesa braided channels to support HS Canal, and Robinson Canal. Also likely still unproven Golf Course, Blue Ponds, Lower Frye, and Freeman Canals. Also still unproven is an upper Frye watershed crossing. Field notes [here](#) and sourcecode [here](#).

29. XXXX -

(awaiting reassignment)

28. FWD1 -

Upper Frye Watershed Diversion

N 32.74427 W 109.83918 to N 32.74558 W 109.84033.

Unproven potentially spectacular watershed crossing seems demanded by HS Canal and others. With any present alternates lacking credibility. A significant and obvious watershed crossing has been previously proven on Mud Springs Canal at **32.79159 -109.85379**.

27. LVC1 -

Longview canal

N 32.78956 W 109.75971.

Obvious short wall on otherwise unsupported short canal segment with local destination. Sourcing unknown and unproven. Early field note [here](#) and sourcecode [here](#).

26. ALS1 -

Alberto's Signature

near **N 32.79690 W 109.75485.**

Of the thousands of conflicting CCC structures locally, this one is the only known one that is autographed in stone. Associated with Freeman Canal.

25 CKD1 -

Check Dams with Aprons

N 32.77872 W 109.76472 or N 32.78840 W 109.87113.

plus many others Rock diversions across secondary washes are quite common. While not hanging canal related, they represent significant water management features.

24. MRG1 -

Mulch Ring Arrays

N 32.78491 W 109.74642 plus many others.

Typically 2 feet in diameter by one rock high in groups of 20. Rather common. Likely older.

23. FREM1

Freeman Canal

32.78742 -109.76598 to 32.80030 -109.75078

Potential to become the longest canal. Well defined end use areas. Seems related but not yet fully connected to Blue Ponds, Lower Frye Construct HS canal, and possibly Upper Frye watershed diversion. Older field notes [here](#) and sourcecode [here](#).

**freeman1 freeman2 freeman3 freeman4 freeman6
freeman7 freeman8 freeman9**

22. WS1 -

Water Spreader Rock Alignments

Such as [32.78883 W 109.73843](#) and [N 32.79273 W 109.75897](#) and elsewhere. The more obvious of these are [CCC](#), but prehistoric examples also exist.

21. DMC1 -

Main Deadman Canal

[N 32.73735 W 109.81291](#) to [N 32.76277 W 109.77392](#).

Still flows in original channel serving cattle tanks. Portions are buried pipeline. Field notes [here](#) and sourcecode [here](#).
[deadman3](#) [deadman4](#) [deadman5](#)

20. FMC1 -

Frye Mesa Complex

[32.74359 -109.83987](#) to [32.75998 -109.81156](#).

Elaborate feeder system accepts water from Frye Creek and Spring Canyon, routing it to Robinson, HS, Lower Frye Complex, Blue Ponds, Freeman, and possibly Golf Course Canals. Field notes [here](#) and sourcecode [here](#).
[hscan1_map](#)

19. XXX3 -

(awaiting reassignment)

18. TBP1 -

TB Ponding Area

[N 32.76739 W 109.73803](#) to [N 32.76465 W 109.73400](#).

Receives and redistributes [TEC1](#) and [TWC1](#) water. Highly distinctive aerial profile. Field notes [here](#) and sourcecode [here](#).
[rinc1](#) [rinc2](#)

17. TWC1 -

Twin West Canal

[32.76226 W 109.74374](#) to [N 32.76739 W 109.73803](#).

Hanging canal is [second](#) feeder to tb ponding area.

16. TEC1 -

Twin East Canal

[N 32.76068 W 109.73500](#) to [N 32.76472 W 109.73426](#)

Routes [under](#) the Lebanon Cemetery, one of [two](#) feeders to the TB ponding area.

15. DPC1 -

Discovery Park Canal

[N 32.79267 W 109.72830](#) to [N 32.79450 W 109.72781](#)

Possible feeder to potential Discovery Park fields. Vague - still needs additional verification.

14. TQC1 -

Tranquility Canal

N 32.75754 W 109.73294 to N 32.77477 W 109.72751

Artesian sourced and historic use from presumed original.

Field notes [here](#) and sourcecode [here](#).

[tranq1](#) [tranq2](#)

13. RIC1 -

Rincon Canal

N 32.73410 W 109.76325 to N 32.76222 W 109.74402.

Marijilda branch possibly becomes Twin West canal.

Further study required, especially mid route.

12. RPC1 -

Roper Canal

N 32.75567 W 109.70885 to N 32.75567 W 109.70885.

Modern feeder to Roper Lake, presumed originally prehistoric. Possible cardinal realignments.

11. HNC1 -

Henry's Canal

N 32.73712 W 109.74229 to N 32.74456 W 109.72996.

Southern branch of main Marijilda, portions unexplored.

Field notes [here](#) and sourcecode [here](#).

[henry1](#) [henry9](#)

10. SXP1 -

Sixpack Canal

N 32.72290 W 109.76052 to N 32.74449 W 109.73391.

Branch of Marijilda south of access road, still needs work.

9. HMC1 -

High Lebanon Hanging Canal

N 32.72410 W 109.76239 to N 32.74113 W 109.74677.

Spectacular portion hangs mesa edge 200 feet in the air.

Associated with a major aqueduct.

[hangcan1](#) [mary2](#) [lebanon_route3](#)

8. MAQ1 -

Marijilda Aqueduct

N32.72356 W 109.76257 to N 32.72411 W 109.76235.

Delivers between Main Marijilda and High Lebanon. Only known major system aqueduct crosses a saddle. Heavy construction energy comparable to HS Canal and Culebra Cut.

7. SMB1 -

Marijilda Southern Feeder Branches

N 32.71096 W 109.77108 to N 32.71327 W 109.76696

Short delivery and diversion canals south of Main Marijilda.
Needs further work.

6. MAR1 -

Main Marijilda Canal from diversion takein.

N 32.70628 W 109.77702 to N 32.73322 W 109.76149

Major prehistoric development likely sourcing Henry's,
High Lebanon, TB East, TB West, and Roper Lake.
Still flowing in maintained modern use.

5. UMC1 -

Upper Marijilda Delivery Canals

N 32.70648 W 109.77932 to N 32.70930 W 109.77709

Group of small delivery canals near main Marijilda takein.

4. JAC1 -

Lower Jacobson Hints

N 32.67671 W 109.77610 to N 32.67736 W 109.77472

Largely discredited. Aerial evidence became a fence
line in canal hostile terrain.

3. LDC1 -

Ledford Tank Canal.

N 32.68454 W 109.76209 to N 32.69198 W 109.72801

Jacobson Canyon to middle of Ledford Mesa.
Apparently still in modern use, difficult access.

2. GTC1 -

Goat Tank Canal

N 32.68467 W 109.76160 to N 32.68914 W 109.72106

Jacobson Canyon to south edge of Ledford Mesa.
Apparently still in modern use, difficult access. Partial
private lands. Includes curious historic pipeline.

goat4 goat5

1. VCN1 -

Veech Canal

N 32.64151 W 109.74348 to N 32.64386 W 109.74218

From middle Veech Canyon to possible P Ranch Fields.
Only preliminary explored, should be significant.
Entire canal is on **CNF** lands.
Field notes **here** and sourcecode **here**.
veech4 veech5

