

GRASS VALLEY (71)
Crop Inventory
Fall 1983

T.31N., R.36E.

This township has not been inventoried.

T.31N., R.39E.

This township has not been inventoried.

T.32N., R.37E.

This township has one irrigation well. No crop.

T.32N., R.38E.

This township has four wells, none were pumped for irrigation. Three were equipped to irrigate.

T.33N., R.37E.

This township has seven wells, three were equipped to irrigate and pump. Crops are as follows:

630 acres alfalfa total, supplemental to Clear Creek

T.33N., R.38E.

This township has 15 wells, 11 were equipped to irrigate and were pumped for irrigation. Crops are as follows:

400 acres alfalfa supplemental to Clear Creek

520 acres alfalfa

920 acres total

T.34N., R.37E.

This township has 19 wells, and one sump type well. Nine wells were equipped to pump and seven were pumped. The sump type well was equipped to pump and appeared to have been used. Crops are as follows:

713 acres alfalfa total, supplemental to Sonoma Creek

T.34N., R.38E.

This township has four wells, all equipped to irrigate but only two were pumped. Crops are as follows:

470 acres pasture supplemental to Sonoma Creek and Springs

T.35N., R.37E.

This township has 29 wells in the Grass Valley Basin. Ten were equipped to pump for irrigation and eight were pumped. 1981 crop inventory showed 17 wells. That figure didn't include small parcels, whereas this years does. More information is needed to compute these acreages. Crops are as follows:

16 acres total pasture and alfalfa

T.35N., R.38E.

This township has 11 wells, three were equipped for irrigation, three were equipped for irrigation and domestic on small parcels. More information is needed on some of these small parcels. Crops are as follows:

295 acres pasture and alfalfa

T.36N., R.37E.

See Winnemucca Segment

T.36N., R.38E.

See Winnemucca Segment

Total crops for Grass Valley are as follows:

831 acres pasture and alfalfa
 2213 acres irrigated supplemental to surface water
 3044 acres total

Using an acre-foot duty of 3.6 acre-feet per year, for wells and 1.0 acre-feet for wells used with surface water, gross pumpage was 5205 acre-feet.

T.31N., R.36E.

13da 12400, no information.

T.31N., R.39E.

22aa 24046, Big Mike Mine

22cc 24753, Big Mike Mine

29dc 29356, need more information.

32abcb1 17569, USGS #71-3, observation

33cb 17198, need more information

T.32N., R.37E.

1dab 20357, 150 HP GE motor, BJ pump, meter #44 540 580. No crop.

T.32N., R.38E.

7cc 27439, 250 HP US Highthrust motor, Peerless pump, 10" discharge,
 meter #55 247 763. No crop. MP HIP 1.4 SP #144764. 0000 KWH
 3/22/83 75.25 11/16/83 76.00

7dc 27438, 250 HP US Highthrust motor, Peerless pump, 10" discharge,
 meter #55 247 762. No crop. MP TOC 1.4 SP #144777 0409 KWH
 3/22/83 70.27 11/16/83 69.70

18ac Windmill, repaired 1983, Turner, MP TOC .5 USGS #71-5
 3/22/83 81.65 11/16/83 85.17

33bc 20319, Continental Engine, Johnson 90° gearhead, Johnson pump, 6"
 discharge. Hasn't been irrigated for many years. MP HIP 0
 USGS #71-4 3/22/83 134.45 11/16/83 132.10

T.33N., R.37E.

1cd 19581, 10" well was drilled in summer of 1976. Approximately 80
 acres was cleared. Owner was informed about water rights and well
 was never pumped. USGS #71-13.

11aa Stockwater, submerable pump.

11db Old hand dug well, used for stockwater.

13dd 17949, 22577, 75 HP GE motor, Layne & Bowler pump, 10" discharge.
 Meter #47 538 952. For crop see T.33N., R.38E., 19cd. MP HIC 1.0
 16719 KWH SP #136324 3/22/83 20.40 11/16/83 18.42

24ab Windmill, dry, not used.

24ad 22579, 100 HP Hollowshaft motor, Layne & Bowler pump, meter #55 157
 065. For crop see T.33N., R.38E., 19cd. SP #136330.
 11/16/83 CM 46931 KWH

190
 400
 15/20
 40/60

280A

280A

T.33N., R.37E.

24dd 22579, 75 HP GE motor, Layne & Bowler pump, 10" discharge, meter #51 044 826. See T.33N., R.38E., 19cd for crop. MP old well 50' east, TOC .5 SP #136331. 16922 KWH
3/22/83 21.0 11/16/83 CM

T.33N., R.38E.

5aa No pump or measurements.

5bc 28314, 75 HP Holloshaft motor, Layne & Bowler pump, 8" discharge, meter #62 143 966. Irrigates 40 acres alfalfa with set sprinklers. MP TOC 1.5 SP #136317 0168 KWH
3/22/83 102.76 11/16/83 99.32

7cb 100 HP US Electric motor, BJ pump, 10" discharge, meter #50 904 997. No crop. SP #136320. 24543.

7db 20722, 250 HP Newman motor, Aurora pump, meter #44 540 592, 10" discharge. No crop. USGS #71-12. MP HIP 2.0 SP #136318. 8925 KWH
3/22/83 46.42 11/16/83 40.34

13cb Need more information. Supplemental to Clear Creek, 09742.

14dc 30751, need status.

17cd 100 HP Newman motor, Johnston pump, meter #51 045 759. Irrigates 200 acres alfalfa with corrugations. 24098, MP PIF 1.0 SP #136322. 62951 KWH
3/24/83 71.80 11/16/83 65.75

17db 20722, 100 HP Newman motor, BJ pump, meter #64 400 623. No crop. MP TOC 1.0 SP #136321 5383 KWH
3/22/83 85.92 11/16/83 85.22

19a 22578, 30744, 300 HP GE motor, Layne & Bowler pump, meter #44 540 590. See T.33N., R.38E., 19cd for crop. USGS #71-11, MP TOC 0, HIP .5 SP #136333, 4580 KWH
3/22/83 40.40 11/16/83 34.75

19cd 30742, 300 HP GE motor, Aurora pump, meter #64 403 264. MP HIP .5 SP #136322, 2914 KWH
3/22/83 37.28 11/16/83 31.89

Wells in T.33N., R.37E., 13dd, 24ad, 24dd, and T.33N., R.38E., 19a and 19cd are used to supplement Clear Creek to irrigate 1030 acres alfalfa, 370 acres no crop with flood irrigation. 1400 total acres, 630 acres of this is in T.33N., R.37E., supplemental to Clear Creek.

30aa 14404, 22758, 50 HP GE motor, Berkley pump, meter #55 014 998, 8" discharge. Irrigates as a supplement to 30ad. MP CM SP #144705.

30da1 Domestic Well.

30da2

30ad 14404, 75 HP GE motor, Berkley pump, meter #55 023 682, 10" discharge. Irrigates 280 acres alfalfa by corrugations. MP HIP .5 SP #144714, 69119 KWH
3/22/83 43.00 11/16/83 37.00

31da 24977, 150 HP GE motor, Newman, BJ pump, meter #64 400 619, 8" discharge. No crop. MP TOC 0 SP #136342 4051 KWH
3/22/83 40.30 11/16/83 38.10

31ca 24978, 150 HP GE motor, BJ pump, meter #64 403 263, 8" discharge. No crop. MP TOC .5 SP #136343 4695 KWH
3/22/83 CM 11/16/83 42.32

32ba Windmill, used for stockwater. Guthrie well, USGS #71-7 MP TOC .5
3/22/83 39.72 11/16/83 37.98

32bd No pump or meter. Old Amos Homestead. USGS #71-6
3/22/83 43.15 11/16/83 42.28

T.34N., R.37E.

2ab Windmill. USGS #71-19
3/22/83 22.57 11/16/83 21.30

3bb Stockwater well with submersible pump. MP TOC 0
3/22/83 21.42 11/16/83 CM

3ca 31158, need status

3dc Was windmill, now used for domestic purposes.

3dd 28597,30602, 50 HP Fairbanks motor, Layne & Bowler pump, 6" discharge. Meter #62 250 169. Irrigates 80 acres pasture with set sprinklers. (Bitler) SP #136022, 88668 KWH
11/16/83 CM

4aa Shed built over well, used for domestic. USGS #71-18, 23691.

4ab MP TOC 1.0 or HIC .45
3/22/83 22.27 11/16/83 20.50

4ac Domestic well, 7½ HP Newman motor, Johnson pump. 22854.

4cc 35032,35033, pump locked in shed, no meter or crop. MP old well outside shed. 3/22/83 20.65 11/16/83 29.60

22dd1 Windmill used for stockwater. USGS #71-14B. MP TOC .5
3/22/83 6.05 11/16/83 5.82

22dd2 25 HP GE motor, Layne & Bowler pump, meter #50 722 430, no crop.

22dc 28596, MP HIP 1.0 SP #136046 (Danglemier) 66061 KWH
3/22/83 6.18 11/16/83 4.70

23cd 29222, 34957, 100 HP Holloshaft motor, Layne & Bowler pump, 10" discharge, meter #42 654 869. No crop. Damaged by flood water from Sonoma Creek. (Bitteretta) SP #136064, 49223 KWH
11/16/83 CM

23ad Stockwater well, submersible pump. USGS #71-16. MP TOC 2.0
08396 KWH 3/22/83 39.12 11/16/83 38.15

23da 25502, 50 HP Holloshaft motor, Layne & Bowler pump, 8" discharge, meter #39 141 294. Irrigates 253 acres alfalfa by corrugations. MP HIP .5 SP #136063 (Lagoja) 80849 KWH
3/22/83 38.25 11/16/83 41.02

25ab 26733, 40 HP Westinghouse motor, Johnston pump, 6" discharge, meter #42 445 834. Irrigates 60 acres alfalfa with set sprinklers. MP HIP 1.0 SP #136099 75628 KWH (Ruiz)
3/22/83 85.97 11/16/83 82.25

25cc 25501, 100 HP Holloshaft motor, Layne & Bowler pump, meter #39 141 324, 8" discharge. Irrigates 80 acres alfalfa with corrugations. USGS #71-14A MP HIP .5 SP #136073, 28895 KWH (Silva)
11/16/83 40.65

26ad 27176, 100 HP GE motor, Layne & Bowler pump, meter #42 497 286. Irrigates 120 acres alfalfa by corrugations. MP HIP 1.0 SP #136066. 59208 KWH (Van Diest) 3/22/83 32.87 11/16/83 29.77

26da Stockwater, submersible pump, 29223, MP HIC 0, SP #136067
13897 KWH (Van Diest) 11/16/83 CM

26db1 New well in 1976. 100 HP Holloshaft motor, Peerless pump, meter #44 560 432. Irrigates 120 acres alfalfa by corrugations. 08105 kwh, 51846 KWH (Van Diest)
3/22/83 CM 11/16/83 CM

26db2 50 HP US motor, Layne & Bowler pump, meter #70 300 541. Also has submersible pump. 48" well. MP TOC 2.0 (Van Diest)
3/22/83 21.45 11/16/83 20.87

26dd 34732, need status.

26abc 100 HP Westinghouse motor, Western pump, meter #58 991 136, SP #118923. MP HIP 1.0 (Van Diest) 11/16/83 14.17

T.34N., R.38E.

- 7cd 125 HP Newman motor, Johnston pump, 10" discharge, meter #64 403 257.
No crop, USGS #71-2, 32707. MP HIP 1.0 SP #136090.
3/22/83 95.08
- 19aa 39954, need status.
- 29aaa Spring, irrigates 70 acres pasture.
- 29aa 29458, no pump, motor or crop. MP HIC +1.0
3/22/83 2.30
- 30cd 30468, 31163, 125 HP GE motor, Johnston pump, meter #64 556 078.
Irrigates 160 acres alfalfa with corrugations. MP TOC .5
SP #136310 0086 KWH. Supplemental to Sonoma Creek.
3/22/83 102.0 11/16/83 97.80
- 30dd 25794, 35395, 125 HP Westinghouse motor, Johnston pump, meter #57
303 048. Irrigates 240 acres skimpy alfalfa by corrugations.
MP HIP 0 SP #144853, 00518 KWH. Supplemental to Sonoma Creek.
3/22/83 149.15 11/16/83 145.50

T.35N., R.37E.

- Note: A portion of T.35N., R.37E., is in the Winnemucca Segment.
- 12db 30602, Kearns, submersible pump. Irrigates approx. 5 acres pasture.
- 13aa 30603, Mills, submersible pump, also domestic. No measurements.
Irrigates 10 acres pasture with sprinkler.
- 13aab 30606, Ramasco, domestic well also. Submersible pump. Crested
wheat.
- 13ada Domestic. See Winnemucca Segment, observation. Barker
- 13ab Domestic. See Winnemucca Segment, observation. Dexter
- 13db Observation, See Winnemucca Segment. Findley
- 13cd1 Domestic, see Winnemucca Segment, observation. Ross
- 13cd2 19213, 30 HP US Electric motor, Jacuzzi pump, meter #51 027 370,
8" discharge. Irrigates one acre pasture. MP TOC 1.0 SP #136385.
11/9/83 100.44
- 14da 18514, See Winnemucca Segment, Westmoreland
- 24bb 17349, need more information
- 25ac 29864, submersible pump, no crop. Hennigan
- 25aa 39158, submersible pump, small amount of pasture here. Need more
information. Silva
- 25ba 17154, 100 HP GE motor, Johnston pump, no meter or crop, 9" dis-
charge. MP HIP 1.5 3/16/83 85.62 11/16/83 79.80
- 25ca 20091, 100 HP GE motor, Johnston pump, meter #62 247 625, 10"
discharge. No crop. MP TOC 1.0 SP #136012 08715 KWH
3/22/83 72.65 11/16/83 67.05
- 25db 36404, need more information. Glenn & Woods
- 25dd 36405, need more information. Glenn & Woods
- 26aa 13968, 75 HP US Electric motor, Peerless pump, 10" discharge,
meter #50 904 996. No crop. MP TOC +0 SP #135958
3/16/83 64.12 11/16/83 CM

- 26ad 17152, 20590, 125 HP GE motor, Berkley pump, meter #40 389 751.
Irrigates no crop. Pumps into reservoir and helps 36ab. MP TOC
0 SP #135959. 192199 KWH
3/16/83 61.94 11/17/83 56.90
- 26bd1 22926, 60 HP US Electric motor, Johnston pump, 10" discharge,
meter #51 002 636. No crop. Pump pulled. MP TOC 2.0 SP #135959.
90056 KWH 3/22/83 40.50 11/17/83 37.07
- 26bd2 75 HP Neqman motor, Johnston pump, meter #55 042 791, 10" discharge.
26ca Irrigates no crop. MP HIP .5 SP #135951, 44036 KWH, 13970
3/16/83 40.58 11/17/83 40.95
- 26cd 22924, US motor, Johnson pump, meter #50 598 961. No crop. MP
HIP 1.0 SP #135952. 25173 KWH
3/16/83 35.10 11/17/83 30.90
- 33ad New 12" well. MP TOC .3 11/9/83 32.04
- 35da 22925, new motor, Worthington pump, 8" discharge, meter #55 159 372.
No crop. MP HIP 1.0 SP #135954. 81018 KWH
11/17/83 CM
- 34aacd USGS observation well. No DWR measurements. USGS #71-9
- 36ab 32800, 125 HP Newman motor, Worthington pump, meter #64 400 625.
No crop, pumps into reservoir and helps 26ad. MP TOC .5
SP #136014 11/17/83 CM
- 36ba 100 HP GE motor, Worthington pump, meter #50 593 377. Irri-
gates no crop and helps 36ab. New well MP HIP 1.5 old well MP
TOC 0.0 SP #135957 11/17/83 45.55
- 36ca No pump or crop. MP TOC 1.0
- 36cc Casing pulled, now an open hole.
- 36dd Domestic.
- 36bcd No motor, pump or crop. MP TOC 1.0
T.35N., R.38E.
- 6ab 29964, 30605, Thompson, irrigates 2-3 acres pasture, need more info.
- 6ba McNeil, need more info.
- 6bc 18529, submersible pump, used for irrigating 10 acres and domestic.
Need more info.
- 6ca Howard, irrigates 10 acres pasture. See Winnemucca Segment.
- 6bd 19438, need more information. White and Ripley
- 7b 30604, submersible pump, also domestic. Irrigates five acres
with sprinklers. No measurements.
- 7bc Domestic, observation well. See Winnemucca Crop Inventory.
USGS #71-1 (7bdd1)
- 7bb 36629, McNeil, need more information.
- 7cc 36813, Winada Farms, need more information.
- 31bb 11808, 150 HP GE motor, Johnston pump, meter #48 841 998, 10"
discharge. No crop. MP HIP 1.0 SP #136362, 7768 KWH
3/22/83 81.08 11/16/83 74.60
- 31ab 19640, 23692, 200 HP GE motor, Johnston pump, meter #48 882 308, 12"
discharge. Irrigates 280 acres alfalfa and grain with circular
sprinklers. MP HIC 0 SP #136363, 9018 KWH
3/22/83 121.30 11/16/83 90.18

U.S. Soil Conservation Service data for annual acre-foot per acre consumption, using a 65% efficiency April through September.

1 -- TR-21 Method

	Denio	Orovada	Winnemucca
Alfalfa	3.1	3.5	3.2
Grain	2.1	2.2	2.2
Potatoes	---	2.6	2.6 Est.

2 -- FAO-Blaney Criddle Method

	Denio	Orovada	Winnemucca
Alfalfa	4.1	4.4	4.3
Grain	2.8	2.8	3.0
Potatoes	---	2.5	2.5 Est.

Note: The S.C.S. officials in Winnemucca area feel that the TR-21 method is most accurate

Legend

DWR -- Division of Water Resources
 GS or USGS -- Geological Survey
 MP -- Measuring Point
 HIC -- Hole in Casing
 PIF -- Pipe in Foundation
 PIC -- Pipe in Casing
 HIP -- Hole in Pump
 GL -- Ground Level
 TOC -- Top of Casing
 KWH -- Kilowatt Hours
 WF -- Winnemucca Farms
 NFC -- Nevada First Corp.
 SP # -- Sierra Pacific Meter Number
 -- Name following pump information is owner as shown in Assessors office
 -- Number preceding pump information is permit number