

GRASS VALLEY (71)
Crop Inventory Fall 1982

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, two were pumped for irrigation. Three were equipped to irrigate. Crops are as follows:
280 acres alfalfa

T.33N., R.37E.

This township has seven wells, three were equipped to irrigate and pump. Crops are as follows:
630 acres alfalfa
160 acres grain
790 acres total

T.33N., R.38E.

This township has 15 wells, 11 were equipped to irrigate and pumped for irrigation. Crops are as follows:
1300 acres alfalfa
50 acres grain
1350 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:
673 acres alfalfa
80 acres pasture
753 acres total

T.34N., R.38E.

This township has four wells, all equipped to irrigate but only two were pumped. Crops are as follows:
240 acres alfalfa
80 acres grain
320 acres total

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:
720 acres potatoes
520 acres alfalfa
1240 acres total

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:

18 acres pasture
280 acres potatoes
298 acres total

T.36N., R.37E.

See Winnemucca Segment

T.36N., R.38E.

See Winnemucca Segment

Total crops for Grass Valley are as follows:

3643 acres alfalfa	2393	1250
1000 acres potatoes	1000	0
290 acres grain	0	270
98 acres pasture		0
5031 acres total	48	0

3.6 2.4

1688

Using an acre-foot duty of 3.6 acre-feet per year, gross pumpage was 18,111 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.

32abcbl 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.
11/9/82 CM 5619 KWH

T.32N., R.38E.

7cc 250 HP US Highthrust motor, Peerless pump, 10" discharge, meter #55 247 763. Irrigates 140 acres alfalfa with circular sprinklers.
#27439. MP HIP 1.4 SP #144764.
3/10/82 76.77 11/9/82 77.47 0000 KWH

7dc 27438, 250 HP US Highthrust motor, Peerless pump, 10" discharge, meter #55 247 762. Irrigates 140 acres alfalfa with circular sprinklers.
MP TOC 1.4 SP #144777
3/10/82 73.64 11/9/82 71.05 0000 KWH

18ac Windmill, not used. Turner. USGS #71-5 MP TOC .5
3/10/82 86.20 11/9/82 86.20

33bc 20319, Continental Engine, Johnson 90° geardrive, Johnson pump, 6" discharge. Hasn't been irrigated for many years. MP HIP 0
USGS #71-4 3/10/82 134.58 11/9/82 131.75

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, submersible 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 T33N., R.38E., 19cd. MP HIC 1.0
SP #136324 3/10/82 23.08 11/9/82 25.28 66341 KWH
280 A
- 24ab Windmill, dry, not used.
- 24ad 22579, 100 HP Holloshaft motor, Layne & Bowler pump, meter #55 157 065. For crop see T.33N., R.38E., 19cd. SP #136330.
11/9/82 CM 92496 KWH 380 A
- 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. 11/9/82 23.62 36144 KWH
280 A
- 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 80 acres alfalfa with set sprinklers.
MP TOC 1.5 SP #136317
3/10/82 101.98 11/9/82 103.60 0882 KWH
- 7cb 100 HP US Electric motor, BJ pump, 10" discharge, meter #50 904 997. Irrigates 140 acres alfalfa with circular sprinklers. SP #136320.
24543 3/10/82 11/9/82 No hole 22912 KW
- 7db 20722, 250 HP Newman motor, Aurora pump, meter #44 540 592, 10" discharge. Irrigates 280 acres alfalfa by circular sprinklers. USGS #71-12. MP HIP 2.0 SP #136318.
3/10/82 47.88 11/9/82 48.05 8566 KWH
- 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 320 acres alfalfa with corrugations. 24098, MP PIF 1.0 SP #136322.
3/10/82 73.80 11/9/82 73.60 93302 KWH
- 17db 20722, 100 HP Newman motor, BJ pump, meter #64 400 623. Irrigates 280 acres alfalfa by circular sprinklers. MP TOC 1.0 SP #136321
3/10/82 87.75 11/9/82 88.97 5383 KWH
- 19a 22578, 30744, 300 HP GE motor, Layne & Bowler pump, meter #44 540 590. See T33N, R38E, 19cd for crop. USGS #71-11, MP TOC 0, HIP .5
SP #136333 11/9/82 41.79 3702 KWH 280 A
- 19cd 30742, 300 HP GE motor, Aurora pump, meter #64 403 264. MP HIP .5
SP #136332 3/10/82 35.30 11/9/82 39.32 0107 KWH
280 A
- 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 930 acres alfalfa, 210 acres grain, 260 acres cleared ground with flood irrigation. 1400 total acres.
- 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.
11/9/82 CM 11379 KWH

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 3/10/82 42.60 11/9/82 42.67 13940 KWH

31da 24977, 150 HP GE motor, Newman, BJ pump, meter #64 400 619, 8" discharge. No crop. MP TOC 0 SP #136342
3/10/82 40.10 11/9/82 40.80 4051 KWH

31ca 24978, 150 HP GE motor, BJ pump, meter #64 403 263, 8" discharge. No crop. MP TOC .5 SP #136343
3/10/82 NM 11/9/82 44.92 4695 KWH

32ba Windmill, used for stockwater. Guthrie well, USGS #71-7 MP TOC .5
3/10/82 39.72 11/9/82 40.40

32bd No pump or meter. Old Amos Homestead. USGS #71-6
11/9/82 43.55 3/10/82 43.25
T.34N., R.37E.

2ab Windmill. USGS #71-19
3/10/82 P 11/9/82 P

3bb Stockwater well with submersible pump. MP TOC 0
3/10/82 21.42 11/9/82 22.65

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.

4aa Shed built over well, used for domestic. USGS #71-18, 23691
4ab MP TOC 1.0 3/10/82 22.48 11/9/82 CM locked

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. 11/9/82 20.67

22dd1 Windmill used for stockwater. USGS #71-14B. MP TOC .5
3/10/82 6.78 11/9/82 7.77

22dd2 25 HP GE motor, Layne & Bowler pump, meter #50 722 430, no crop.
22dc 28596, MP HIP 1.0 SP #136046
3/10/82 5.80 11/9/82 7.96 66061 KWH

23cd 29222, 34957, 100 HP Holloshaft motor, Layne & Bowler pump, 10" discharge, meter #55 159 379. Irrigates 40 acres alfalfa by corrugation
Martin Bitteretta 11/9/82 CM

23ad Stockwater well, submersible pump. USGS #71-16. MP TOC 2.0
3/10/82 41.35 11/9/82 NM

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
3/10/82 38.58 11/9/82 44.76 10212 KWH

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 3/10/82 87.05 11/9/82 84.78 48821 KWH

25cc 25501, 100 HP Holloshaft motor, Layne & Bowler pump, meter #39 141 32
8" discharge. Irrigates 80 acres alfalfa with corrigations. USGS
#71-14A MP HIP .5 SP #136073.
3/10/82 42.95 11/9/82 42.85 80750 KWH

26ad 27176, 100 HP GE motor, Layne & Bowler pump, meter #42 497 286. Irri
gates 120 acres alfalfa by corrigations. MP HIP 1.0 SP #136066
3/10/82 34.73 11/9/82 33.52 4171 KWH

26da Stockwater, submersible pump. 29223, MP HIC 0 SP #136067
11/9/82 20.76 08105 KWH

26db1 New well in 1976. 100 HP Holloshaft motor, Peerless pump, meter
#44 560 432. Irrigates 120 acres alfalfa by corrigations.

26db2 50 HP US motor, Layne & Bowler pump, meter #70 300 541. Also has
submersible pump. 48" well. MP TOC 2.0
3/10/82 23.18 11/9/82 24.10 0000 KWH

26dd 34732, need status.
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.
3/10/82 94.37 11/9/82 94.05 8009 KWH

19aa 39954, need status.

29aaa Spring, irrigates 140 acres pasture.

29aa 29458, no pump, motor or crop. MP HIC +1.0 11/9/82 5.88

30cd 30468, 31163, 125 HP GE motor, Johnston pump, meter #64 556 078.
Irrigates 160 acres alfalfa with corrigations. MP TOC .5 SP #136310
3/10/82 102.50 11/9/82 102.70 7493 KW

30dd 25794, 35395, 125 HP Westinghouse motor, Johnston pump, meter #46 093
641. Irrigates 80 acres grain, 80 acres skimpy alfalfa by corrigatic
MP HIP 0 SP #136308 3/10/82 149.80 11/9/82 146.70
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.
11/9/82 103.25 73220 KWH

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" discharge
MP HIP 1.5 3/10/82 87.08 11/9/82 87.72

25ca 20091, 100 HP GE motor, Johnston pump, meter #62 247 625, 10" discharge. No crop. MP TOC 1.0 SP #136012
 3/10/82 75.82 11/9/82 75.38 08715 KWH

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. Irrigates 140 acres potatoes. MP TOC +0 SP #135958
 3/10/82 64.72 11/9/82 66.82 65402 KWH

26ad 17152, 20590, 125 HP GE motor, Berkley pump, meter #40 389 751. Irrigates 160 acres alfalfa with corrugations, pumps into reservoir and helps 36ab. MP TOC 0 SP #135959.
 3/10/82 62.70 11/9/82 63.92 19165 KWH

26bd1 22926, 60 HP US Electric motor, Johnston pump, 10" discharge, meter #002 636. Irrigates 140 acres potatoes with circular sprinklers. MP TOC 2.0 SP #135959
 3/10/82 42.03 11/9/82 48.38 90056 KWH

26bd2 75 HP Newman motor, Johnston pump, meter #55 042 791. 10" discharge. Irrigates 160 acres alfalfa by corrugations. MP HIP .5 SP #135951
26ca 13970 11/9/82 42.06 44022 KWH

26cd 22924, US Motor, Johnson pump, meter #50 598 961. Irrigates 160 acre alfalfa with corrugations. MP HIP 1.0 SP #135952
 3/10/82 34.77 11/9/82 57.00 25173 KWH

35da 22925, new motor, Worthington pump, 8" discharge, meter #55 159 372. Irrigates 140 acres potatoes by circular sprinklers. MP HIP 1.0 SP #135954.
 11/9/82 33.22 81018 KWH

34aacd USGS observation well. No DWR measurements. USGS #71-9

36ab 32800, 125 HP Newman motor, Worthington pump, meter #64 400 625. Irrigates 240 acres potatoes with corrugations, pumps into reservoir and helps 26ad. MP TOC .5 SP #136014 11/9/82 67.50 6006 KWH

36ba 100 HP GE motor, Worthington pump, meter #50 598 337. Irrigates 40 acres alfalfa and helps 36ab. New well MP HIP 1.5 Old well MP TO 0.0 SP #135957 3/10/82 45.13 11/9/82 48.95

36ca No pump or crop. MP TOC 1.0 11/9/82 42.22

36cc Casing pulled, now an open hole.

36dd Domestic

36bcl No motor, pump or crop. MP TOC 1.0 11/9/82 44.92

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 information.

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.
- 3lbb 21808, 150 HP GE motor, Johnston pump, meter #48 841 998, 10 " discharge. Irrigates 140 acres potatoes with circular sprinkler. MP HIP 1.0
- 3lab 19640, 23692, 200 HP GE motor, Johnston pump, meter #48 882 308, 12" discharge. Irrigates 140 acres potatoes with circular sprinkler. MP HIC 0 SP #136363 3/10/82 127.72 11/9/82 132.02 4643 KWH

U.S. Soil Conservation Service Data for annual acre-feet 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
Potaotes	---	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 -- Kilowat 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