

CONSERVATION TOUR - August 7, 1972

1. Keith Crowder - permanent seeding Sec 29 Valley
1972
2. Owen Jorgensen - waterway & watering system Sec 32 Valley
(old)
3. Steven Kroeger - pong (new) Sec 36 Thompson
- ok 4. Gunnar Anderson - waterway (old) Sec 36 Thompson
- ok 5. Eugene Sweeney - diversion terrace & waterway Sec 25 Grant
(new)
6. Crawford & Crawford -waterway-watering system-pond Sec 27 Grant
(New)
7. Wm. Vokt - windbreak (old) Sec 29 Grant
8. Clarence Gustafson - waterway & watershed waterway Sec. 30 Grant
(new)
9. John Jergesn - seeded backslope terraces & windbreak Sec 19 Grant
old (new)
10. Everett Mueller - pond old Sec 17 Grant
- ok 11. Marion Soultz - storage drying bin (1971) Sec 16 Grant
12. Delbert Artist - terraces (constructed spring) Sec 34 & 35 Bear Grove
13. Walter Severin - terraces (constructed 1971) Sec 30 Bear Grove
14. Robert Van Meter - terraces under construction Sec 7 Bear Grove
- ok 15. James Bradford - crown vetch Sec 11 Bear Grove
16. Jerry Sampers - pond under construction Sec 1 Bear Grove

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1. Keith Crowder - Establishing permanent vegetative cover on 47 acres.

In the fall of 1971 1500# ECCE (lime), 50# of nitrogen, 53# of phosphate and 23# of potash was applied per acre. The seed bed was prepared with the use of a heavy disc and the old cover was completely destroyed. In the spring of 1972 15# of brome and alfalfa was seeded with an oats nurse crop. Anyone interested in this practice should get their soil tests taken now.

2. Owen Jorgensen - waterway and watering system

The waterway to your right, built in 1967, is 2400 feet in length, 2 rods wide and drains 35 acres. The one on the left, built in 1969, is 1200 ft in length, 55 ft in width and drains 100 acres. Both were seeded to brome at the rate of 25# per acre. Both waterways are tiled to keep them dry. There are 9062 ft. of tile. The watering system is supplied by the tile system. The tile goes into a cistern and from this cistern a 1" plastic line drops 7 ft. in elevation to the stock tank and the excess water goes back into the tile line.

3. Steven Kroeger - pond

This pond was constructed this last June. It serves as a water supply, gully control and eventually recreation. The pond drains 55 acres, contains 5273 cu. yds., 86 ft. of 12" pipe. It covers 1.2 acres and is 14 ft. deep.

4. Gunnar Anderson - waterway and diversion

The diversion located behind the buildings and out across the base of farmland slopes is 1800 ft. It diverts run-off from the building lots and the bottomland. It outlets in the newly constructed waterway.

The principal waterway is 1850 ft. in length, 70 ft. wide, drains 300 acres and is approximately 1.5 to 2.0 ft. deep. In addition it has 1070 ft. of 8" tile and 3290 ft. of 6" tile.

5. Eugene Sweeney - waterway, diversion and pond

All of this work was completed this last spring. The small waterway drains 80 acres, is 700 ft. in length, 52 ft. wide and has 1600 ft. of tile. The

large waterway is 1200 ft. in length, 400 acres of drainage, 91 ft. in width, has 1570 ft. of 8" tile and 1900 ft. of 6" tile.

The diversion is 1800 ft. in length, is a seeded backslope, 2.0 ft. high, diverts the runoff from 30 acres and is the outlet for the pond.

The pond is 0.2 acres in size, drains 10 acres and is 11 ft. deep.

6. Crawford's - waterway, pond and watering system

There are four waterways, ranging in length from 250 feet to 1200 ft., draining from 16 acres to 40 acres and the average width is 35 ft. There are 9910 ft. of tile alongside the waterways plus a tile watering system.

The pond serves as a gully stabilizer and supplies water for livestock. It drains 11 acres, is 0.5 acres in size, is 15 ft. deep and has 80 ft. 6" pipe and 3499 cu. yds.

7. Wm Vokt - windbreak

This windbreak is 1.0 acre - planted in 1969. It has two rows of conifers and one row of shrubs. Windbreaks should be at least 100 feet from buildings.

8. Clarence Gustafson - waterway and watering system

About 3000 ft. of waterways have been constructed here in the last two years. The major waterway is 101 ft. in width, 1.5 ft. in depth, drains 300 acres, has 8300 ft. of tile and a tile watering system.

9. John Jergens - seeded backslope terraces - windbreak

The push-up terrace, constructed in 1967 is 2300 ft. in length and 18 inches in height. The steep backslope takes up less land than the regular terraces. Many of the regular terraces were seeded because the farmer felt the slopes were too steep and this meant additional land out of production. The back side of this terrace is seeded to brome, thus helping in weed control.

The windbreak is to protect the feedlot. There are 62 honeysuckles and 28 conifers. This windbreak was planted in April.

10. Everett Mueller - pond

This pond was constructed in 1965. It drains 113 acres. It is 1.97 acre in size, is 12 ft. deep, has 8261 cu. yds. and 90 ft. of 18" pipe. It is used for watering livestock, gully control and recreation.

11. Marion Soults - storage drying bin

This is one of many storage dryer operations in the county that have been promoted by Commodity Credit Corporation. The bin has an approximate capacity of 16,500 bushel and is equipped with dryers, 98 foot U trough with sump and 36 ft. sweep auger. Loans like these are made at 5.52% interest and cover approximately 85% of the total cost of bin and equipment.

Take note that the corn on this farm is planted using mulch or minimum tillage methods. No mold board plowing. The ground is prepared by discing, chisel plowing and planting.

12. Delbert Artist - terraces and diversion

A 1400 ft. diversion terrace located on east side of the road to divert run-off from bottomland. This diversion has 3 intakes connected to tile for drainage. The excess run-off comes around the diversion to the waterway and outlets. There are 4 parallel, seeded backslope terraces with 6 intakes connected to tile lines to drain the runoff. Two of the terraces are in the southeast corner on the east side and two are on the west side directly south of the buildings. These terraces are constructed to hold 2 inches of run-off storage and completely draining thru the outlets in 24 hours. To drain the terraces, diversions and waterways 10,408 ft. of tile was installed.

13. Walter Severin - terraces

In 1971, 3200 ft. of parallel tile intake terraces were constructed in this field. There are 4 intakes and 4170 ft. of tile.

We hope that you have enjoyed the day and if you have any questions about applying for cost-sharing assistance to help solve your conservation problems or assistance on a storage loan, please let us know.