

5-12-06 Big Sky Farms Transfer Crop Use SW 1/4 Sec, 36

2000 Barley (Spring) Allow 2.04 AFA/ac

2001 " "

2002 Sugar Beets " 2.6 "

2003 Pinto Seed Beans no data

2004 Spring Wheat 2.4 "

2005 Potatoes 2.23 "

Conclusion - Allow 2.6 AFA/ac based on 2002 crop use

200

Transfer Math

1. Rights - 36-15056
0.06 cfs dm (2) (Sec. 1) allow 2.4 AFA
0.12 cfs stock * 9.0 AFA
0.12 cfs

15057
0.04 cfs dm (1) (Sec. 36) allow 1.2 AFA
0.23 cfs stock * 9.0 AFA
0.23 cfs

Totals 0.35 cfs 12.6 AFA

* Allow 9.0 AFA maximum stock use for 1000 600-700 lbs animals Oct-Feb

2. Problem - need $225.9 \text{ AFA} + 11.2 \text{ AFA}$ ^{commercial} ~~industrial~~ (dust control) = 237.1
Have 9.0 AFA for livestock, leaving 228.1 AFA needed from irrig right

3. ~~Water~~ Irrig Right - 36-2373 3.22 cfs 356 ac 1424 AFA

4. Math - $228.1 \text{ AFA} \div 2.6 \text{ AFA/ac cons, use} = 87.7 \text{ ac to be dried up} = 24.69$
of pool

5. 36

5. 36-2373 $\times 24.69 = 0.79 \text{ cfs}$ (transfer, 0.32 cfs minimum rate) 228.1 AFA