

Annual Consumptive Use Calculation Spreadsheet for UGRWCD Plan

11/26/2007

Instructions: Enter required information in boxes.

CML/FJK

Applicant:

Elevation:

Area: enter North or South

Ordinary Household Purposes

Single Family Dwellings (SFD)

x 0.392 acre-feet/SFD

acre-feet of diversions for ordinary household purposes

x fraction of return flows (0.10 for ISDS, 0.05 for central wastewater treatment)

acre-feet of depletions for ordinary household purposes

Lawn and Garden Irrigation

square feet of lawn and garden

÷ 43,560 square feet/acre

x acre-feet/acre value (use Table 6A for North Area, use Table 6B for South Area)

acre-feet of lawn and garden consumptive use

÷ 0.80 irrigation efficiency

acre-feet of lawn and garden diversions

Livestock

animals

x 11 gallons per day

x 365 days/year

÷ 325,900 gallons/acre-foot

acre-feet of livestock consumptive use

Pond Evaporation

acres of water surface

x acre-feet/acre value from Table 1, Net Lake Evaporation Rates

acre-feet of evaporative depletions

Total Depletions

acre-feet of depletions for ordinary household purposes

acre-feet of lawn and garden consumptive use

acre-feet of livestock consumptive use

acre-feet of evaporative depletions

acre-feet of depletions for other drinking and sanitary purposes (if used, attach optional page)

acre-feet of total depletions

Total Diversions

acre-feet of diversions for ordinary household purposes

acre-feet of lawn and garden diversions

acre-feet of Livestock consumptive use

acre-feet of evaporative depletions

acre-feet of diversions for other drinking and sanitary purposes (if used, attach optional page)

acre-feet of total diversions (Enter in "Annual amount to be withdrawn" on well permit applications)

Other Drinking and Sanitary Purposes

(See Table I, Quantities and BOD Strength of Sewage for various types of uses)

| | Gallons/Person/Day from Table I | Use listed under "Type of Establishment" in Table I |
|----|------------------------------------|--|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |

| | | |
|---|---------|---|
| | | gallons/person/day total |
| x | | # persons |
| x | | days of use/year (365 days if the use is year-round or estimated days for seasonal use) |
| ÷ | 325,900 | gallons/acre-foot |
| | | acre-feet of diversions for other drinking and sanitary purposes |
| x | | fraction of return flows (0.10 for ISDS, 0.05 for central wastewater treatment) |
| | | acre-feet of depletions for other drinking and sanitary purposes |