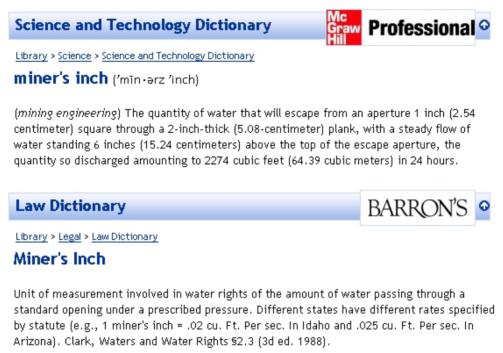
Water Use Numbers Background February 15, 2007 Ballpark Numbers:

- Per capita daily usage = 130 gallons/person-day
- Residents per household = 2.35 persons/household
- \Rightarrow Household Daily Usage \approx 300 gallons/household-day
- times 365 days/year
- \approx 111,500 gallons/household-year
- \approx 50,000 gallons/person-year
- $\approx 21 \text{ persons/MG}$
- \approx 9 households/MG

Ballpark Irrigation Numbers

• Instantaneous Flow = 1 inch/acre

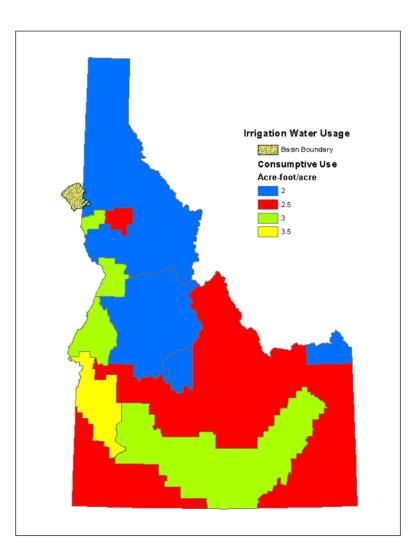


1 inch/acre \approx 9 gpm \approx 13,000 gpd \approx 4.7 MG/yr \approx 14.5 acre-ft/yr

Instantaneous Flow ≠ **Annual Volume**

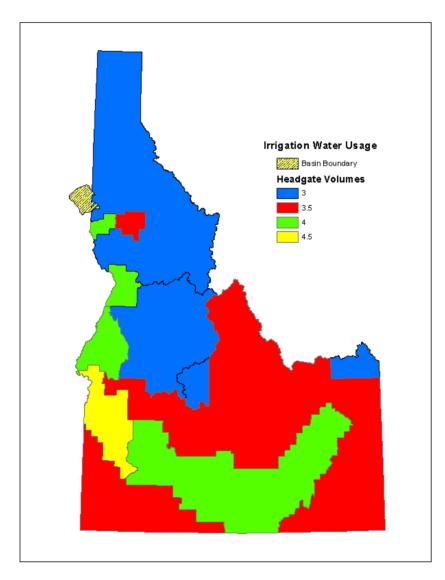
Ballpark Irrigation Numbers

• Annual Consumptive Volume ≈ 2 acre-foot/acre



Ballpark Irrigation Numbers

• Annual "Diversion" Volume \approx 3 acre-foot/acre

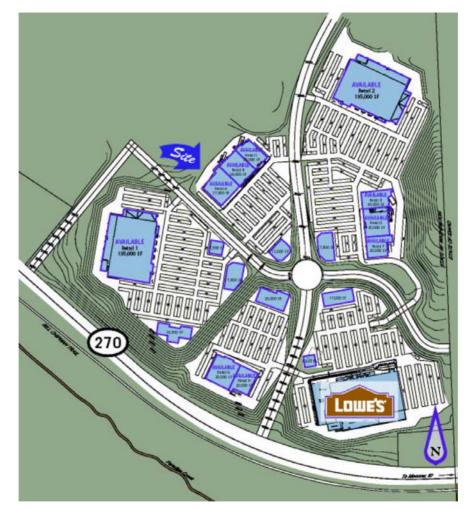


Some Examples: (see caveats on final page)



Current Moscow Wal Mart Water Use ≈ 3.5 MG/yr Annual Supercenter Water Use Range 2.98 - 7.88 MG/yr Estimate Use at 6 MG/yr ≈ 18 acre-ft/yr 6 MG/yr ≈ 54 households

Some Examples (cont): (see caveats on final page)



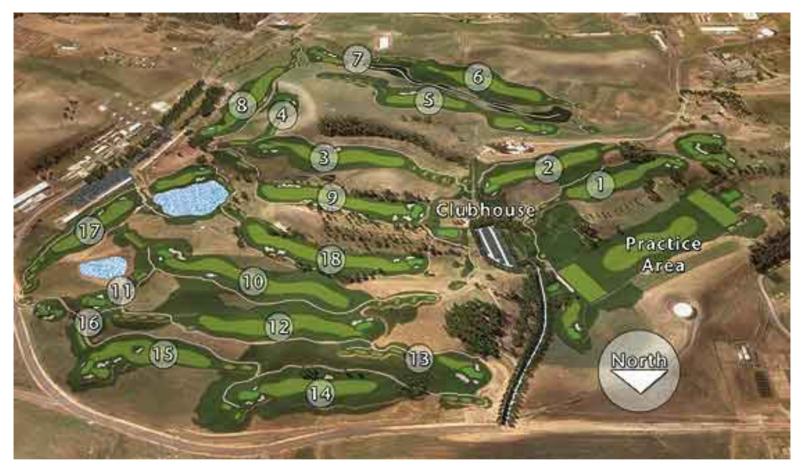
Annual Water Use (Project Description) ≈ 120 acre-ft/yr 120 acre-ft/yr ≈ 39 MG/yr 39 MG/yr ≈ 350 households

Some Examples (cont): (see caveats on final page)



Annual Water Use (2001-2004 avg) \approx 10.6 MG/yr Current Irrigated Acreage \approx 20 acre \approx 1.6 acre-ft/acre 10.6 MG/yr \approx 95 households

Some Examples (cont): (see caveats on final page)



Current Facility ≈ 92 acre, New Facility ≈ 315 acre Estimated Incremental Use $\approx 50\%$ over existing Applying Cemetery Use (1.6 Acre-ft/acre) ≈ 75 acre-ft/yr 75 acre-ft/yr ≈ 24.4 MG/yr ≈ 218 households

Some Examples (cont):

- Total Annual Water Use for four examples $\approx 80 \text{ MG/yr}$
- 2006 Major Entity Pumping Total ≈ 2,477 MG
- Examples as Percentage of Pumping Total $\approx 3.2\%$

Caveats:

- Not all of the examples necessarily represent additional withdrawls from the aquifer system(s)
- Some of the examples entail shifts between surface and shallow, or shallow and deep ground water withdrawls
- NUMBERS PRESENTED ARE ESTIMATES ONLY!