

# Pond Analysis Sheet

In stream

estimate

$$\text{Pond size} = 305 \times 88 \times 8 = 214,720 \text{ ft}^3 / 43,560 \\ = 4.9 \text{ AF or } 5 \text{ AF}$$

12.9 AF Irrigation storage a) Pond size 5 AF

$$\text{b.) Evap. } 5187 \text{ gpd} \times 21.5 \text{ days} \\ = 3.4 \text{ ACF}$$

$$\text{c.) Seep. } 0 \text{ AF}$$

$$\text{d.) Irrigation } 1.5 \times 3 \text{ ACF} = 4.5 \text{ AF}$$

$$\text{Total} = 5 + 3.4 + 4.5 = 12.9 \text{ AF}$$

4.5 AF Irrigation from Storage a)  $1.5 \text{ Ac} \times 3 \text{ ACF/Ac} = 4.5 \text{ AF}$

0.05 Irrigation : diversion from spring to  
Irrigation system  
 $1.5 \text{ Ac} \times 0.03 \text{ cfs/Ac}$