

[illegible]

PLACE OF USE: WILDLIFE STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
50N 03W 17	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
			X														

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
50N 03W 17	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
			X														

DIVERSION TO STORAGE same as DOMESTIC

Method of Determination:

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☐ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

D. FLOW MEASUREMENTS

FLOW IS 5 gallons per fifteen seconds = 20 GPM = 0.05 CFS

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses:

Stock water 12 head of cows = 0.2 AF

Stock water Storage = 0.2 AF

Wildlife Storage = 2.0 AF

Domestic one home 1.2 AF

*See Attached Pond Data sheet.***G. NARRATIVE/REMARKS/COMMENTS**Have conditions of permit approval been met? X Yes No**H. RECOMMENDATIONS**

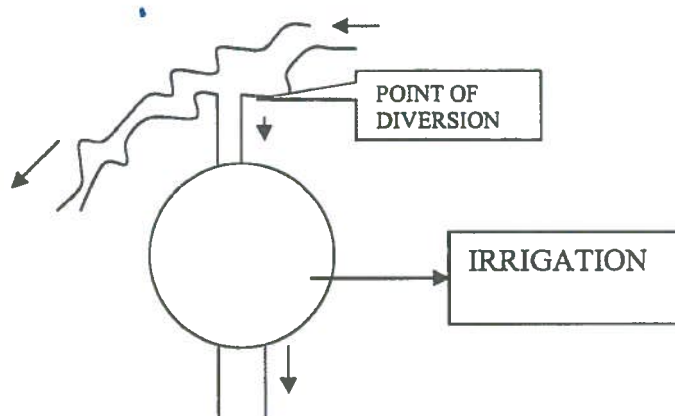
1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER	01/01 to 12/31	0.020 CFS	0.20 AF
STOCKWATER STORAGE	01/01 to 12/31		0.20 AF
WILDLIFE STORAGE	01/01 to 12/31		2.00 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.040 CFS	
DOMESTIC	01/01 to 12/31	0.040 CFS	
<u>Totals:</u>		0.050 CFS	3.60 AF

2. Recommended Amendments

 Change P.D. as reflected above Add P.D. as reflected above X None Change P.U. as reflected above Add P.U. as reflected above Other**I. AUTHENTICATION**Field Examiner's Name *Eric [Signature]* Date 6-3-2013Reviewer *Keith [Signature]* Date 6/10/2013

POND DATA FORM



1. _____ csf Diversion to Storage
2. _____ AF Irrigation from Storage (Annual Volume) = 3 AF x Irrigation acres
3. _____ AF Irrigation Storage
 - a. 2.0 AF, Annual Volume
 - b. 0.5 AF, Evaporation (data from spread sheet)
 - c. 0.5 AF, Seepage (data from spread sheet)
 - d. 1.0 AF, Pond Size 70 W 100 L 6 D One time Fill 7000 SQFT SURFACE AREA.
4. _____ cfs Irrigation = Diversion Rate per acre x _____ acres to be Irrigated
5. _____ AF Recreation Storage = AF Evaporation + AF Seepage + AF Pond size
6. _____ AF Wildlife Storage = AF Evaporation + AF Seepage + AF Pond size
7. 0.02 csf Stockwater (is determined by # of Stock)
8. 0.2 AF Stockwater form Storage =
 - a. Annual Volume 12 gpd x _____ # of Stock x 365 dpy / 325,850
9. _____ AF Stockwater Storage =
 - a. _____ AF Annual Volume 12 gpd x _____ # of Stock x 365 dpy / 325,850
 - b. _____ AF Evaporation + Seepage
 - c. _____ AF Pond Size



Spring.JPG



Home.JPG



Lawn.JPG



Out Flow.JPG



Pond 1.JPG



Pond 2.JPG



Pond.JPG

95-14912





