

Twp Rge Sec	NE				NW				SW				SE				
	<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>	Totals
43N 04W 12																X	

PLACE OF USE: DOMESTIC STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
43N 04W 12	<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 FROM STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
43N 04W 12	<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: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
43N 04W 12	<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: STOCKWATER STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
43N 04W 12	<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: STOCKWATER FROM STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
43N 04W 12	<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: RECREATION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
43N 04W 12	<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: FIRE PROTECTION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
43N 04W 12	<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: WILDLIFE STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
	<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>	
43N 04W 12																X	

Method Method of Determination: Aerial photography, Bing Maps and Arc Map Data.

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.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
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0.5 hp pump is used for the stock water flow of 9.0 gpm /0.02cfs

Gravity feed water domestic use with the flow 18 gpm /0.04cfs.

D. VOLUME CALCULATIONS

See attached pond(s) data worksheet.

G. NARRATIVE/REMARKS/COMMENTS: Gravity feed water domestic use. 0.5 hp pump is used for the stock water. The ponds size and storage is the same as the pond worksheet that is attached to this report.

Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.040 CFS	
DOMESTIC STORAGE	01/01 to 12/31		6.20 AF
DOMESTIC FROM STORAGE	01/01 to 12/31		1.20 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	
STOCKWATER STORAGE	01/01 to 12/31		11.50 AF
STOCKWATER FROM STORAGE	01/01 to 12/31		0.70 AF
RECREATION STORAGE	01/01 to 12/31		5.80 AF
FIRE PROTECTION STORAGE	01/01 to 12/31		10.80 AF
WILDLIFE STORAGE	01/01 to 12/31		10.80 AF
<u>Totals:</u>		0.060 CFS	12.70 AF

2. Recommended Amendments☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other**I. AUTHENTICATION**Field Examiner's Name *Eric [Signature]* Date 4-23-2014Reviewer *Kevin E. Franklin* Date 4-30-2014

LANNING POND WORKSHEET

Application #77163

POND #1, UNNAMED STREAM, 0.3 AC X 12 FT DEEP = 3.6 AF
 SURFACE AREA 0.3 AC = 13.068 SQFT
 SEEPAGE, 0.0 AF (INSTREAM POND)
 EVAPORATION: 815 GPD X 365 DAYS / 325,850 GAL/AF = 0.9 AF
 USED FOR STOCKWATER, RECREATION, WILDLIFE, FIRE
 PROTECTION ONLY

POND #2 UNNAMED STREAM, 0.1 AC X 10 FT DEEP = 1.0 AF
 SURFACE AREA 0.1 AC = 4,356.0 SQFT
 EVAPORATION: 272 GPD X 365 DAYS / 325,850 GAL/AF = 0.3 AF
 SEEPAGE, 0.0 AF (INSTREAM POND)
 USED FOR STOCKWATER, RECRETION, WILDLIFE, FIRE
 PROTECTION ONLY

POND #3 UNNAMED STREAM, 0.1 AC X 10 FT DEEP = 1.0 AF
 SURFACE AREA 0.1 AC = 4,356.0 SQFT
 EVAPORATION: 272 GPD X 365 DAYS / 325,850 GAL/AF = 0.3 AF
 SEEPAGE, 0.0 AF (INSTREAM POND)
 USED FOR INHOUSE DOMESTIC, STOCKWATER, WILDLIFE, FIRE
 PROTECTION ONLY

POND #4 RUNOFF, 0.2 AC X 12 FT DEEP = 2.4 AF
 SURFACE AREA, 0.2 AC = 8,712 SQFT
 EVAPORATION: 543 GPD X 365 DAYS / 325,850 GAL/AF = 0.6 AF
 SEEPAGE: @ 0.01 FT/DAY, 652 GPD X 365 DAYS / 325,850 GAL/AF = 0.7 AF
 EVAPORATION

STOCKWATER: 50 MIXED X 12 X 365DAYS / 325,850 GAL/AF = 0.7 AF

0.04 CFS DOMESTIC

6.2 AF	DOMESTIC STORAGE	a.) PONDS #3 & #4 SIZE	3.4 AF
		b.) EVAPORATION	0.9 AF
		c.) SEEPAGE, POND #4 ONLY	0.7 AF
		d.) DOMESTIC	1.2 AF
	TOTAL		6.2 AF

1.2 AF DOMESTIC FROM STORAGE

0.02 CFS STOCKWATER

11.5 AF	STOCKWATER STORAGE	a.) ALL PONDS	8.0 AF
		b.) EVAPORATION	2.1 AF
		c.) SEEPAGE, POND #4 ONLY	0.7 AF
		d.) STOCKWATER	0.7 AF
	TOTAL		11.5 AF

0.7 AF STOCKWATER FROM STORAGE

5.8 AF	RECREATION STORAGE	a.) PONDS #1 & #2 ONLY	4.6 AF
		b.) EVAPORATION	1.2 AF
		c.) SEEPAGE	0.0 AF
	TOTAL		5.8 AF

10.8 AF	FIRE PROTECTION STORAGE	a.) ALL PONDS SIZE	8.0 AF
		b.) EVAPORATION	2.1 AF
		c.) SEEPAGE, POND #4 ONLY	0.7 AF
	TOTAL		10.8 AF

10.8 AF	WILDLIFE STORAGE	a.) ALL PONDS SIZE	8.0 AF
		b.) EVAPORATION	2.1 AF
		c.) SEEPAGE, POND #4 ONLY	0.7 AF
	TOTAL		10.8 AF

0.06 CFS TOTAL DIVERSION

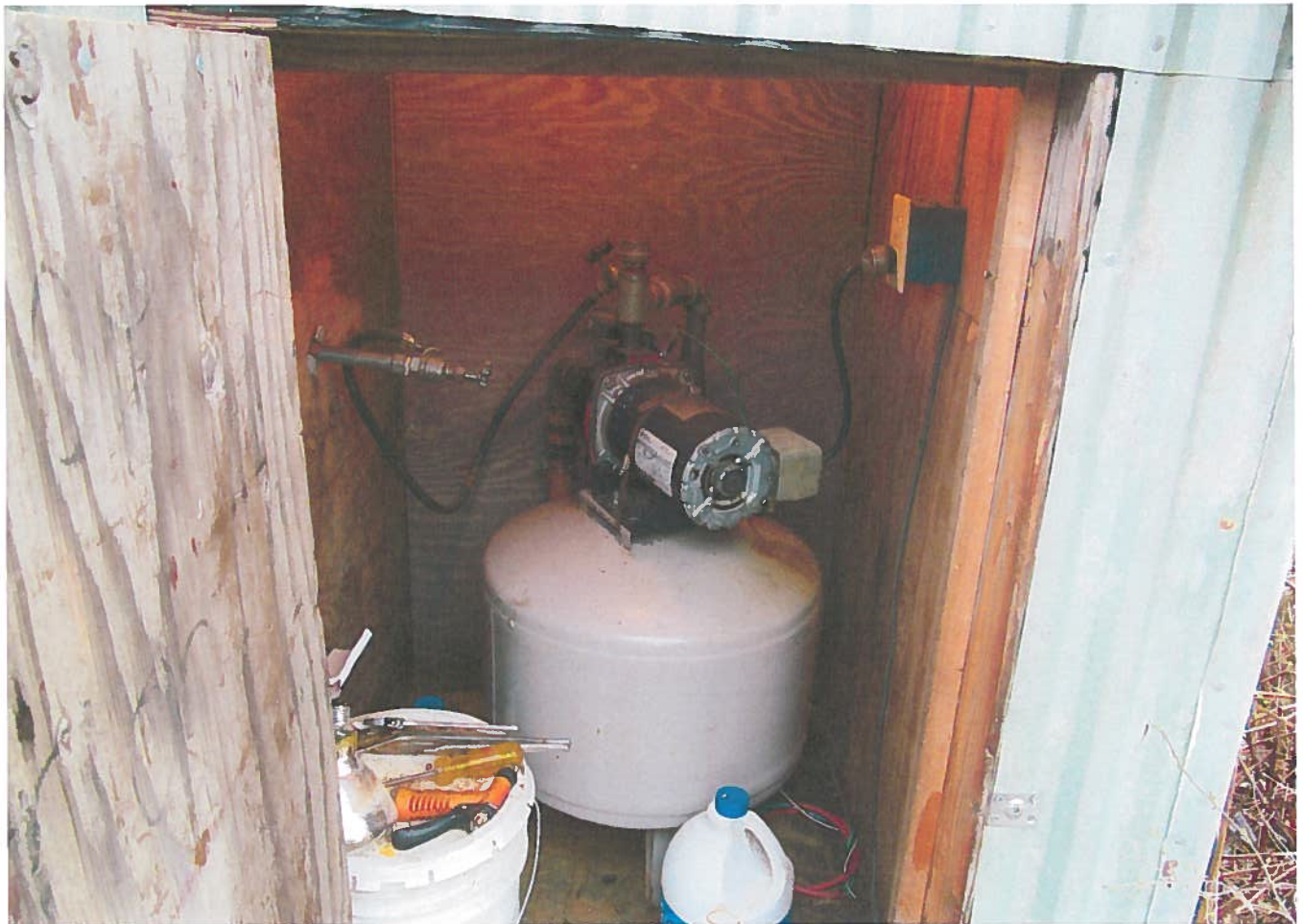
12.7 AF TOTAL STORAGE VOLUME











93-7178



Legend

- Water Right POD
- Water Right POU
- Taxlots