

Permit No: 72-16704
Exam Date: 9/13/2012

- TRIBUTARY
—UNKNOWN HANNAH SLOUGH SWK

[illegible]

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.

<u>Well or Diversion 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 Size</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

2. Measurements:

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached**No flow measurements made for on-stream storage.**

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:

Pond surface area is 0.19 acres. Pond was constructed to a depth of 10 feet at the deepest point. Assuming sloping sides, the reservoir is approximately 0.76 AF.

$$0.19 \text{ acres} \times 10 \text{ feet} \times 0.4 = 0.76 \text{ AF.}$$

The right should be limited to the permitted volume of 0.70 AF.

G. NARRATIVE/REMARKS/COMMENTS

The source for this right was permitted as an unnamed stream. It is actually an excavation of an area where springs naturally arise and flow. The change in source from "unnamed stream" to "springs" is not a change, but rather a clarification to fit IDWR nomenclature.

Water flows from the pond through a culvert on the northern end of the pond and into a channel that flows into the Hannah Slough approximately 1/8 mile to the northeast.

The pond is not stocked with fish, but native fish move freely into and out of the pond.

Have conditions of permit approval been met? ☐ Yes ☒ No

The right holder did not install a measuring device or lockable controlling works as required by the permit. However, the excavated pond maintains a constant level all year, and after inspection the watermaster of Water District 170 does not think regulation is required. The measuring device and lockable controlling works requirements should be dropped from the right.

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
WILDLIFE STORAGE	01/01 to 12/31	N/A	0.70 AF
<u>Totals:</u>			0.70 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

Shelley W. Keen

Date

September 16, 2012

Reviewer

Date

72-16704

9/13/2012



View of the pond from the SE bank facing NE.



Blurry photo of the outlet culvert.

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View of the pond from the outlet culvert location looking south ward.



View of the pond looking SE from behind the Zettel home.



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SENE

SWNW

pond is approximately .19 acres

Notes of S. Keen

9/13/2012



Not to Scale

300 ft. ±

To Slough

House

about 15 ft. above pond

Culvert

POND

Island

Excavated
10 ft.
deep

No
Connection
to the Slough

Hannah Slough

