

4/2014

IN-OFFICE BENEFICIAL USE EXAM REPORT

Permit No. 55-13917

Prepared by Angie Grimm

Date 8/6/14

Same as permit Different than permit

Owner Name	☐	☒ <u>Assignment of Permit completed 7/23/14.</u>
Owner Address	☐	☒ <u>Assignment of Permit completed 7/23/14.</u>
Source	☒	☐ _____
Tributary	☒	☐ _____
POD	☒	☐ _____
POU	☒	☐ _____
Beneficial Use(s)	☒	☐ _____

Exam Fee Required for Permitted Rate \$50.00

Exam Fee Paid \$50.00

Overlaps ☒ No ☐ Yes, summarize _____

Amendment ☒ No ☐ Yes, summarize _____

Technical Confirmation Tools

ArcMap	☒	GPS	☐
Taxlot	☐	Photos	☐
Well Log	☐	Diagrams	☐
Other	☒ explain: <u>55-13891 Beneficial Use Field Report</u>		

Conditions/Comments This in-office exam and licensing recommendations based on field observations of pond documented during field exam for 55-13891 (different ponds).

Exam Date Entered ☒

Draft License Created ☒

Shapes Updated ☒

State of Idaho
Department of Water Resources
55-13917 In-Office Beneficial Use Field Report Map



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.0075 0.015 0.03 Miles



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 55-13891

Exam Date: 4/27/2013

1. Current Owner: QUINTANA RANCH LIMITED PARTNERSHIP
C/O TIM QUINTANA
3876 HWY 95
HOMEDALE ID 83628
(208)337-5587
2. Accompanied by: Tim Quintana
Phone No: (208)337-5587
WORK: (208)459-0294
CELL: (208)989-3868
Email: tim.quintana@edwardjones.com
Address: 3876 US Hwy 95, Homedale, ID 83628
Relationship to Permit Holder: General Partner of the Quintana Ranch Limited Partnership; contact person

3. SOURCE TRIBUTARY
DEER CREEK BOULDER CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

DEER CREEK SE1/4NE1/4 Sec. 24, Twp 06S, Rge 04W, B.M. OWYHEE County
DEER CREEK SE1/4NE1/4 Sec. 25, Twp 06S, Rge 04W, B.M. OWYHEE County

Method of Determination: Garmin GPS Map 76S, 2011 and esri ArcMap Imagery

2.

PLACE OF USE: STOCKWATER STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
06S	04W	24				X													
06S	04W	25	X			X													

Method of Determination: Garmin GPS Map 76S, 2011 and esri ArcMap Imagery

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.

Well or Diversion
ID No.***Motor Make****Hp****Motor Serial No.****Pump Make****Pump Serial No. or Discharge**
Size

No diversion rate required on this water right. The source was the Deer Creek flowing from north to south, through the in-stream stockwater pond, then continuing down the creek by way of a rocked spillway located on the southeast side of the each of the dams.

D. FLOW MEASUREMENTS

1.

Measurement
Equipment**Type****Make****Model No.****Serial No.****Size****Calib. Date**

None.

2. Measurements: None required.

E. FLOW CALCULATIONS

Measured Method: None required.

F. VOLUME CALCULATIONS

1. Volume Calculations for Stockwater Storage:

Pond 1 (0.6 acre X 7 ft average depth) + Pond 2 (0.4 acre X 3 ft average depth) + 2.3 AF E.T factor = 7.7 AF

2. Volume Calculations for Other Uses: None

G. NARRATIVE/REMARKS/COMMENTS

At the time of the field examination, there were 3 ponds found. The two on-stream reservoirs/ponds on Deer Creek (Pond 1 and Pond 2), and an unclaimed pond in section 30. An application for permit was mailed to Quintana to file on this pond. Pond 1 is located in Section 25: 9 ft high dam, 7 ft average depth, 0.6 acre in size, and the POD is located on the southeast side where the spillway is located. Pond 2 is located in Section 24: 7 ft high dam, 3 ft average depth, 0.4 acre in size, and the POD is located on the southeast side where the spillway is located. Beneficial use is for 500 head range cattle.

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

1. Recommended Amounts

BENEFICIAL USE**PERIOD OF USE****ANNUAL VOLUME**

STOCKWATER STORAGE

01/01 to 12/31

7.7 AF

Totals:

7.7 AF

2. Recommended Amendments

☒ X_Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None☒ X_Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other**I. AUTHENTICATION**

Field Examiner's Name



Date: 10/16/2013

Precipitation Loss Calculation

Date: October 16, 2013
Prepared by: Sandy Hemenway
Water Right No: 55-13891

P = Precipitation
ET = Evapotranspiration
 P_d = Precipitation deficit
 $P_d = P - ET$

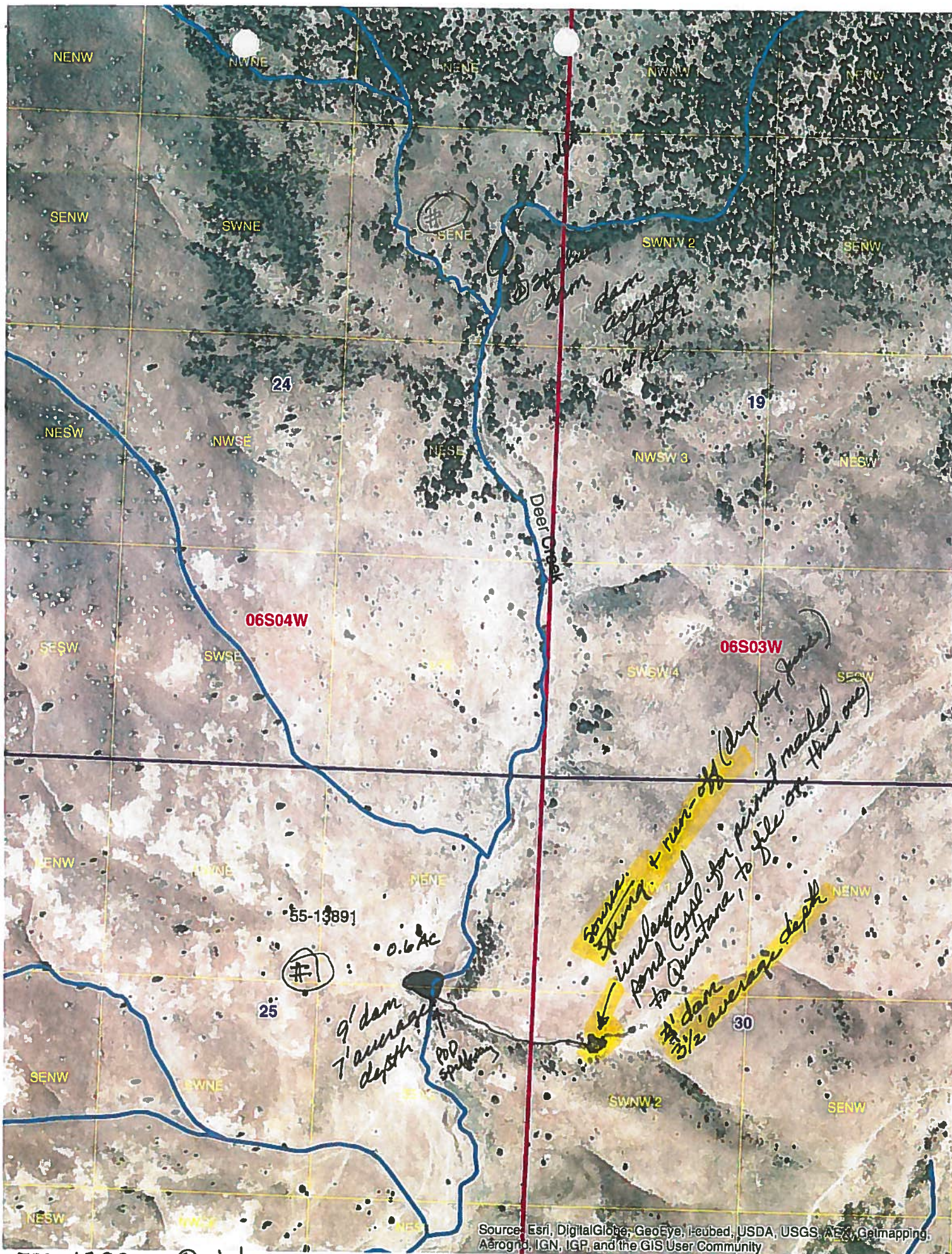
P_d

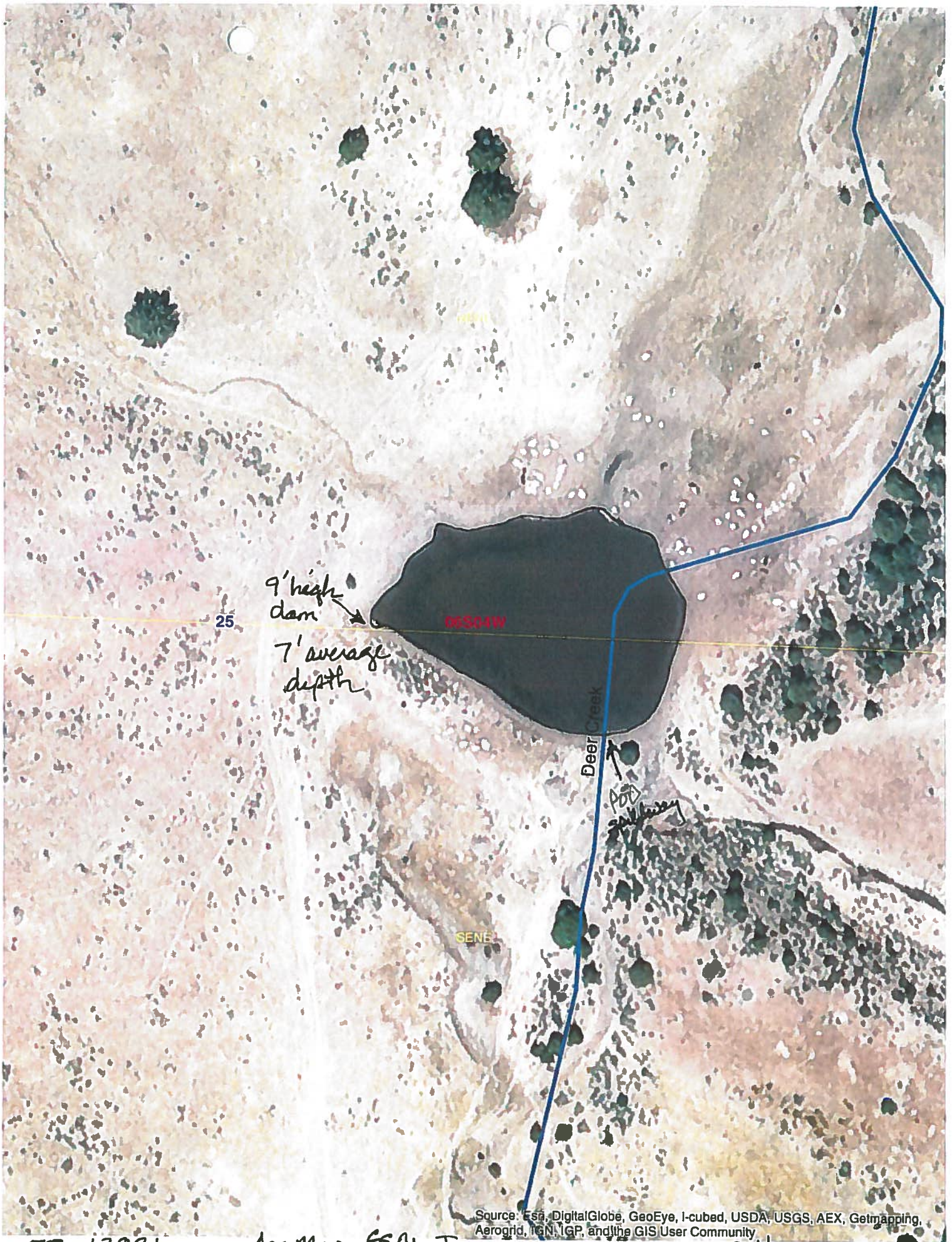
Found at: <http://www.kimberly.uidaho.edu/ETIdaho/>

P_d = convert to AFA: (mm/yr) / (convert to feet) x # acres =
697 304.8 1
(From ET Idaho)

$P_d = 2.3$ AFA

* Use the Precipitation Deficit for 'P' value





55-12991

Am Man FSR1 Tm...

...



55-12991

Source: Esri, DigitalGlobe, GeoEye, Iacubd, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, JEP, and the GIS User Community, US FSA

NWSW 3



2009
(increased
size,
where
2011 was
a drier
year)

24

SENE

06S04W

Liber Creek

19

NESE

ES-138A1

and the main T...

NWSW 3



Pond #1
POU:
Pond #1
Sec. 25

Average
depth
at time
of field
exam 3',
but
evidence
on bank
shows
historical
reaching
7' deep

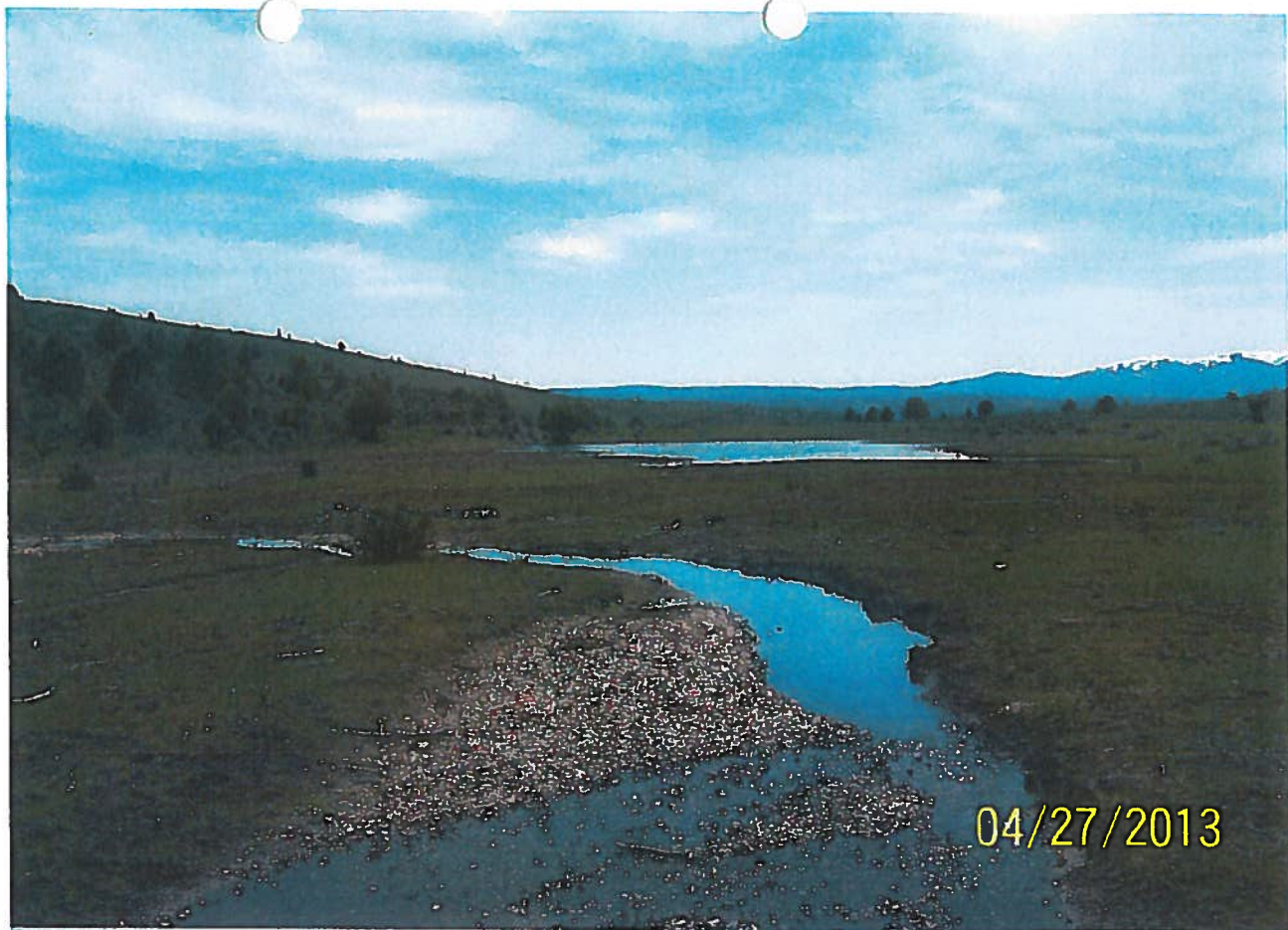


Pond #1
POD
spillway

9' dam

55-13891

S. Hemerway



Pdy:
Pond #1

04/27/2013



Inlet
to
Pond #1
Source
Deer
Creek

04/27/2013



Pond #1
POD

spillway
on the
dam

T63
R4W
Sec. 24
SENE

7' dam
3' average
depth.
At time
of field
exam,
it was
at
normal
depth.

04/27/2013



T63
R4W
Sec. 24
SENE

Inlet
for
Deer
Creek

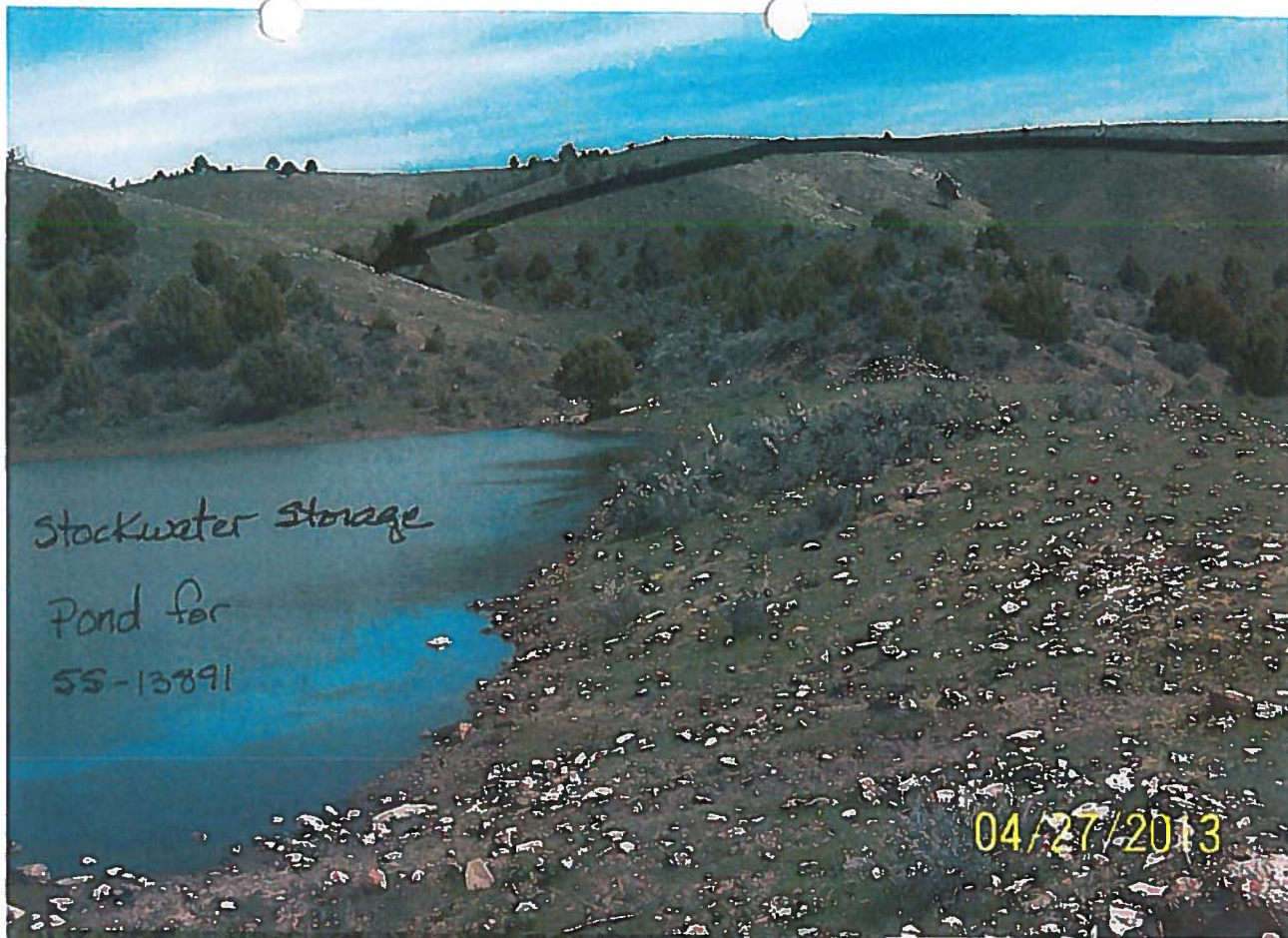
POU

Pond #1
POC
spillway
@ dam

04/27/2013

55-13891

S. Hemerway



T65
R3W
Sec. 30
SW1/4 2

Pou

pond
requir
an applica
for permi
to be
filed on
it

Source:
spring +
unnamed
stream
from
snow
melt
run-off
(dry
source
by June)

At time
of exam
spillway
had
washed
out +
was to
be rebuilt



Pou

4' dam,
with
average
depth
3 1/2 ft.
deep
pond.
Pond
size is
0.04
acres.
(0.14 af)

Pond Requiring Permit

S. Hemenway