

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 37-8894

Exam Date: 9/02/2008

1. Current Owner: DRY CREEK PARTNERS
C/O BILL NOVINGER
1598 E 1330 S
GOODING ID 83330
(208)934-4448

Jeanie Robertson
Corey Skinner
Benny Walker

2. Accompanied by: Bill Novinger (permit holder) and Chuck Brockway Jr. (Representative)

3. SOURCE

DRY CREEK

TRIBUTARY

BIG WOOD RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 37-865A
2. Other water rights with the same point of diversion: None

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

DRY CREEK	SE1/4NE1/4SW1/4	Sec. 3,	Twp 05S,	Rge 14E, B.M.
GOODING County				
DRY CREEK	SW1/4NW1/4SE1/4	Sec. 3,	Twp 05S,	Rge 14E, B.M.
GOODING County				

Method of Determination: Digitized from aerial photos after field visit.

2.

PLACE OF USE: WILDLIFE 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	
05S	14E	3									X						X		

PLACE OF USE: AESTHETIC 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	
05S	14E	3									X						X		

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</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>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

D. FLOW MEASUREMENTS N/A

1.

<u>Measurement</u> <u>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 N/A

Measured Method:

F. VOLUME CALCULATIONS1. Volume Calculations for Irrigation: **N/A**

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

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

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

☒ Additional Computation Sheets Attached

2. Volume Calculations for Other Uses: (Dry-up acres for fill: 2.21 af/ac (spring grain/Bliss site) X 18.1 ac = 40 AFA)

Pond: 4 acres surface Area

Area A: 1175' X 25' = 29,375 sq ft divided by 43,560 sq ft/ac = **0.67 acres****Area B:** 865' X 35' = 30,275 sq ft divided by 43,560 sq ft/ac = 0.695 or **0.7 acres****Area C:** 4 acres minus .67 acres (A) and minus 0.7 acres (B) = **2.63 acres****Area A:** 1175' (L) x 3.09' (av depth) X 25' (W) = volume A = 90,768.75 ft3 divided by 43,260 ft2/acre = **2.1 af****Area B:** 865' (L) X 3.09' (av depth) X 35' (W) = volume B = 93,549.5 ft3 divided by 43,560 ft2/acre = **2.15 af****Area C:** 2.63 acres X 6.18' (av depth) = volume C = **16.25 af****Total volume = 2.1 + 2.15 + 16.25 = 20.5 af**

G. NARRATIVE/REMARKS/COMMENTS

Corey Skinner, Benny Walker, and myself visited the property on Sept. 2, 2008 where we met with the applicant, Bill Novinger, and Charles Brockway Jr. from Brockway Engineering, their representative. We took photographs; GPS'd points around the perimeter of the pond & determined the point of diversion was really from the embankment at the bottom (south) end of the pond with the source of Dry Creek only. Black Canyon Creek enters the pond from the east and actually flows into Dry Creek, which flows in from the west and the two converge within the area of the pond. (I recommend a condition which explains this to be put in the License.) This embankment, unfortunately, also straddles a qq line, so I recommend putting two points of diversion from Dry Creek on this embankment, one in each qq next to the line. Hopefully this will prevent any issues with the possible shifting of the GCDB in the future. A Licensing Amendment was solicited and received on April 20, 2012 agreeing to this change in point of diversion. Using Arcmap, I measured around the perimeter of the pond in two segments, one referred to as length A was 1175 ft and the other referred to as length B was 865 feet. We also took depth measurements with a survey rod and determined the average depth of the pond was 6.18 feet deep in the mid-section (Area A). The two ends were much shallower so their volumes were calculated in separate sections (Areas B & C), with all three added together for the total volume of 20.5 af. (See calculations above.) 18.1 acres were identified to be dried up to mitigate for the first-fill and subsequent refills of the pond. It was confirmed that acres were dried up in 2007. A portion of right 37-865A is being changed through companion Transfer 72373 to convert 0.08 cfs as diversion to storage and 12.0 af for aesthetics and wildlife storage to mitigate for the evaporation of the pond.

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>
WILDLIFE STORAGE	01/01 to 12/31		20.50 AF
AESTHETIC STORAGE	01/01 to 12/31		20.50 AF
<u>Totals:</u>			20.50 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 (Change of Nature of Use)

I. AUTHENTICATION

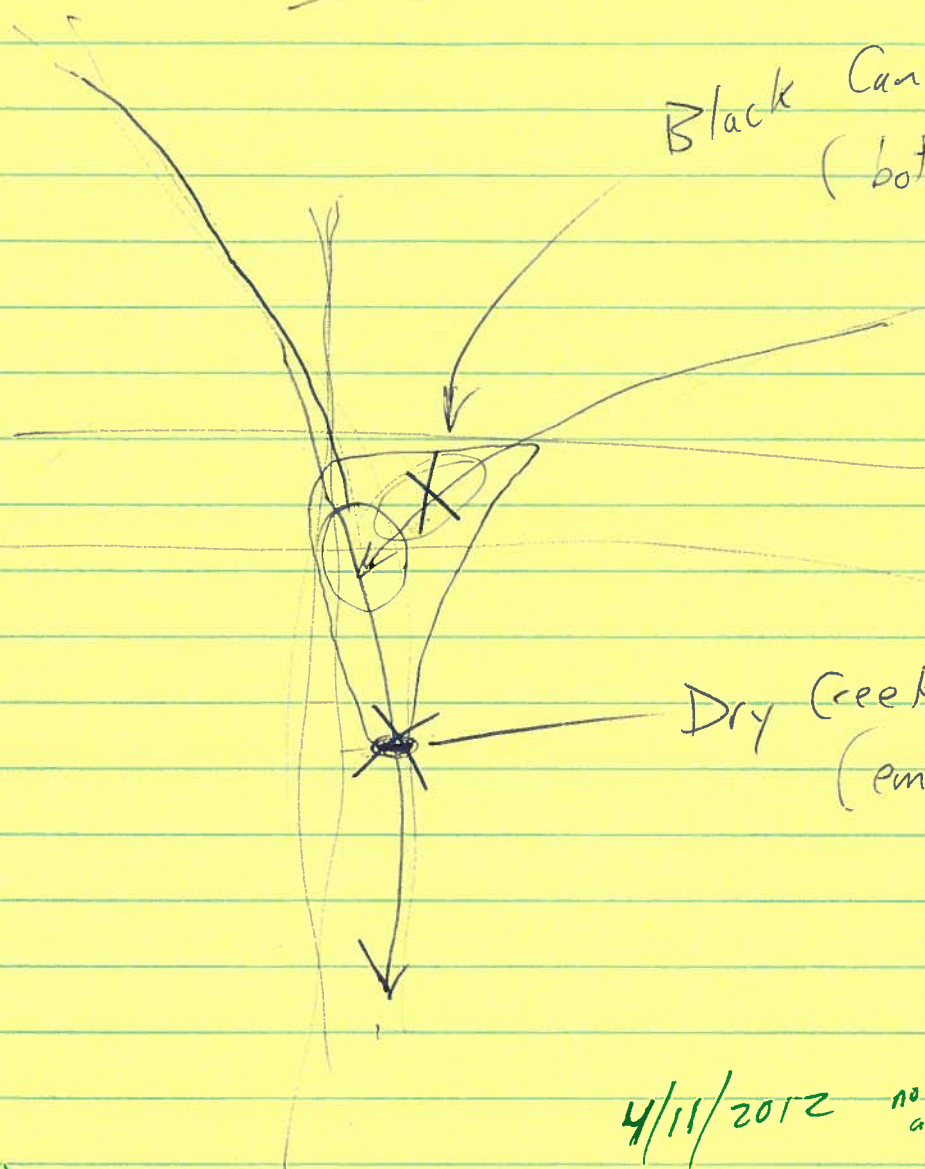
Field Examiner's Name *Kevin Robertson* Date *4/23/2012*
 Reviewer *Chris Merica* Date *5/31/2012*

37-8894

for Jeanie

9/2/08?

Black Canyon POD
(bottom of pond)



Dry Creek POD
(embankment)

4/11/2012 no fee for licensing
amendment of 37-8894

No POD or source from
~~Dry Creek~~
Black Canyon creek

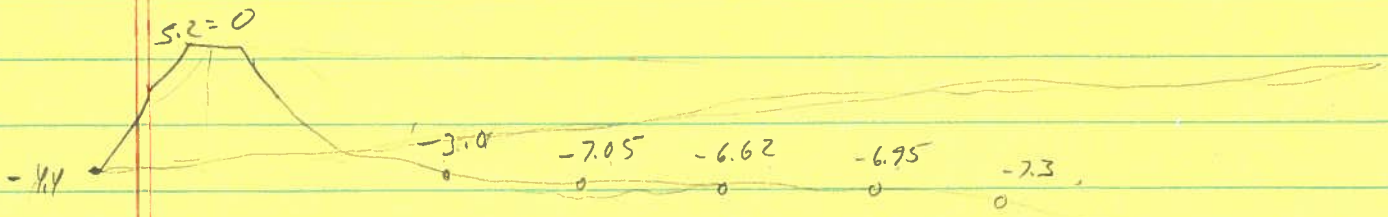
POD - Source Dry Creek
(embankment)
(2 pods due to 1/4 line)



remark/condition - Black Canyon
Creek flows into
Dry Creek in reservoir

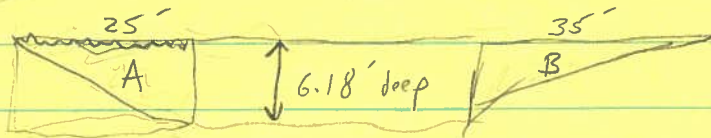
37-8894

2.

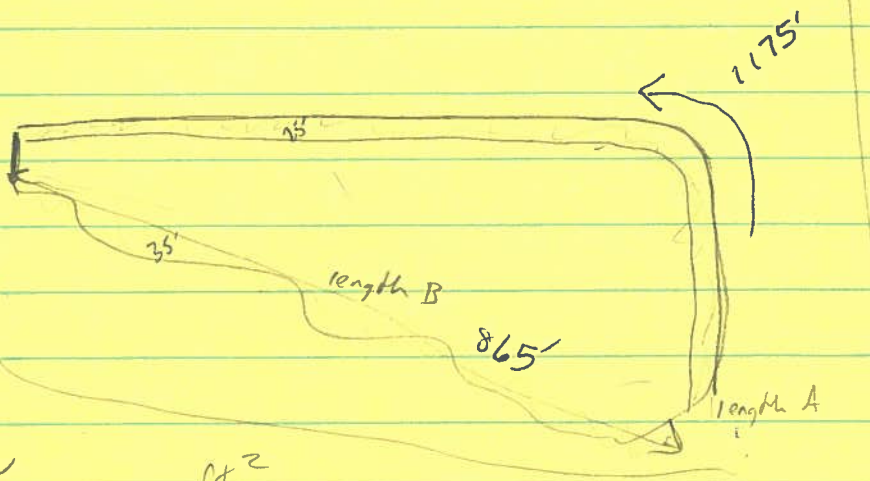


4 acres

6.18 average max depth



6.18



20.5 ac-ft

$$\begin{aligned} \text{length A (25')} &= \text{Area A } 29,375 \text{ ft}^2 = .67 \text{ acres} \\ \text{length B (35')} &= \text{Area B } 30,275 \text{ ft}^2 = .70 \text{ acres} \end{aligned}$$

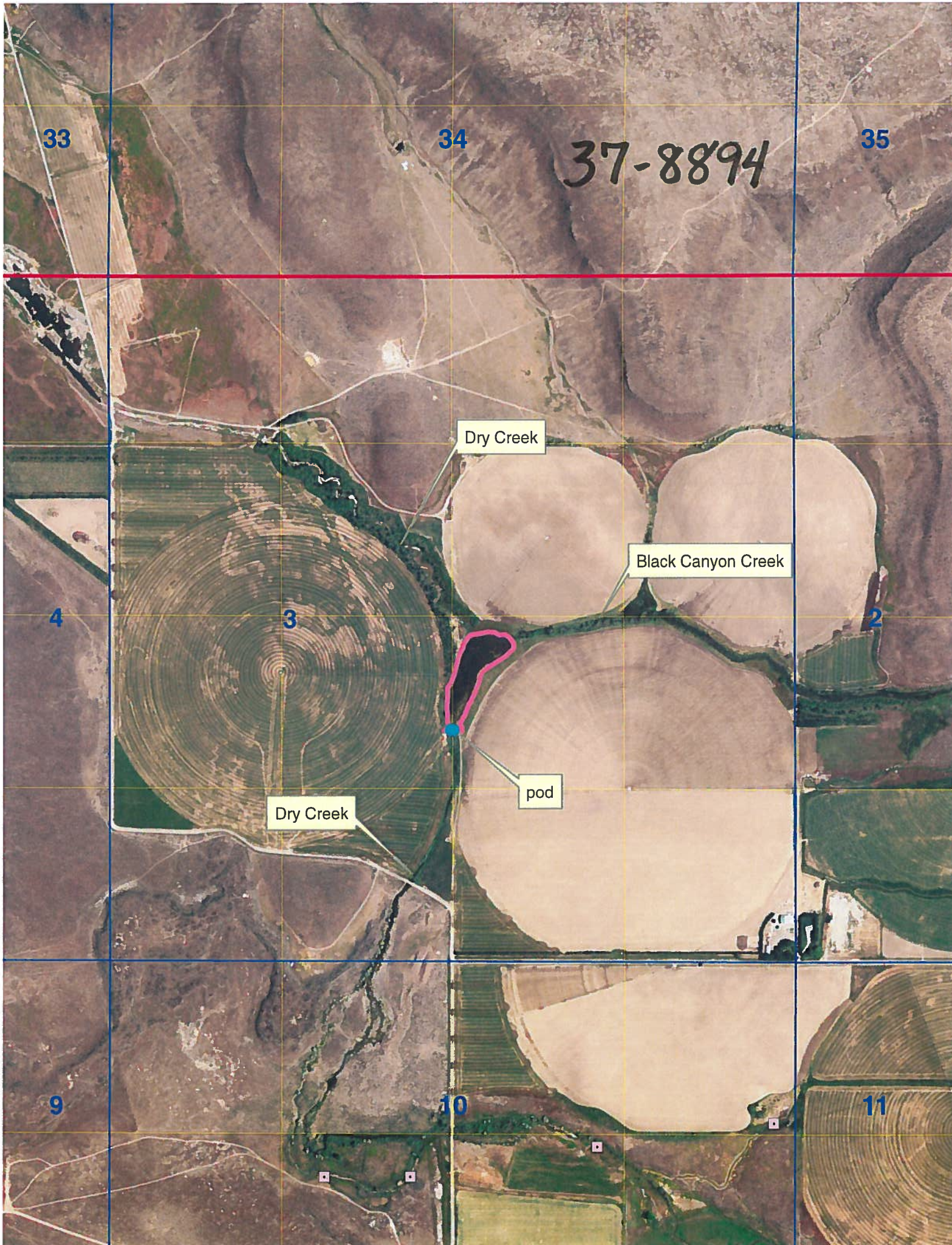
$$.67 \text{ acres} + .70 \text{ acres} = 1.37 \text{ acres}$$

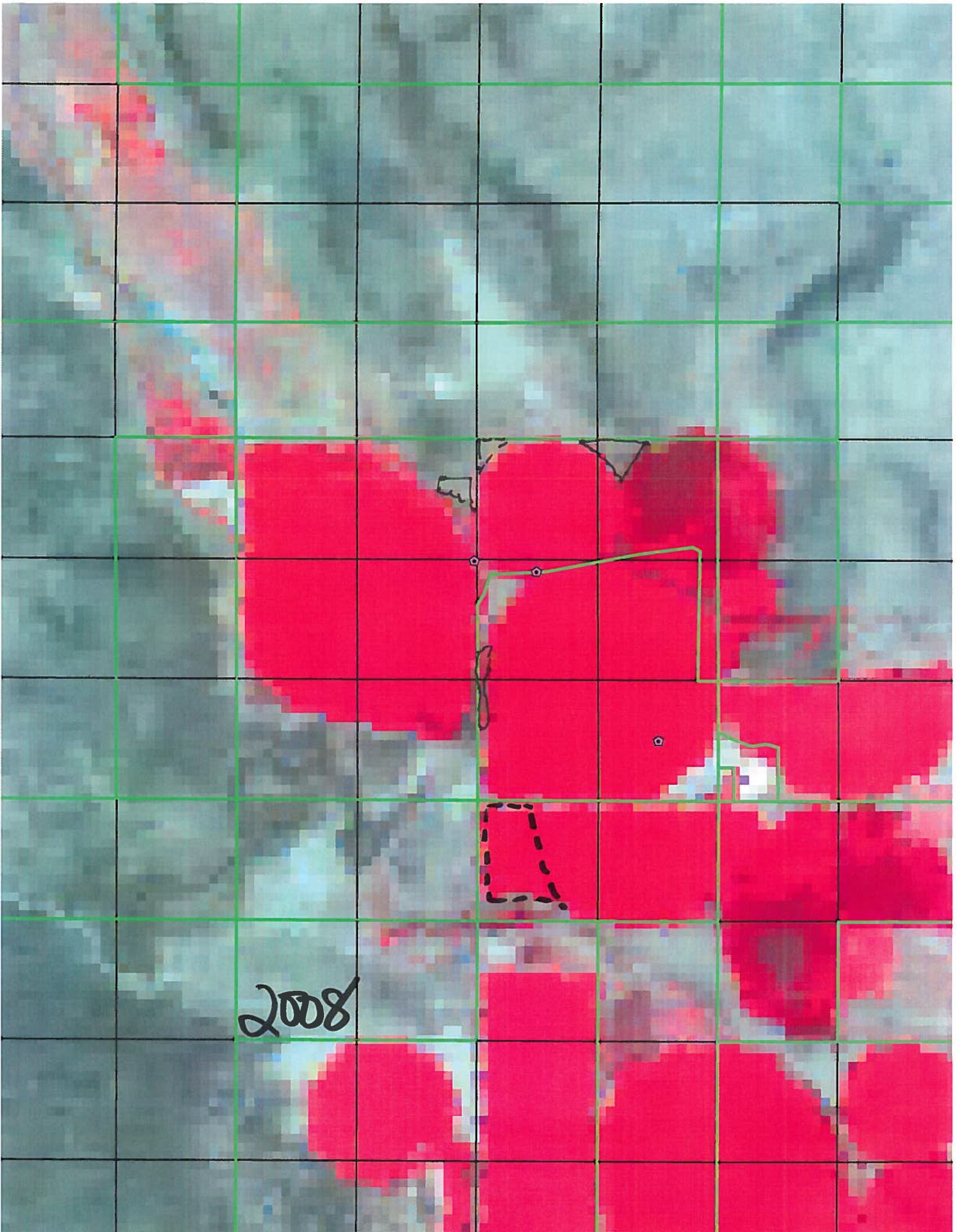
$$\text{Area C} * 6.18' = \text{Volume C} = 16.25 \text{ ac-ft}$$

$$\text{length A} * 6.18 * 25' \div 2 = \text{Volume A} = 90768.75 = 2.1 \text{ ac-ft}$$

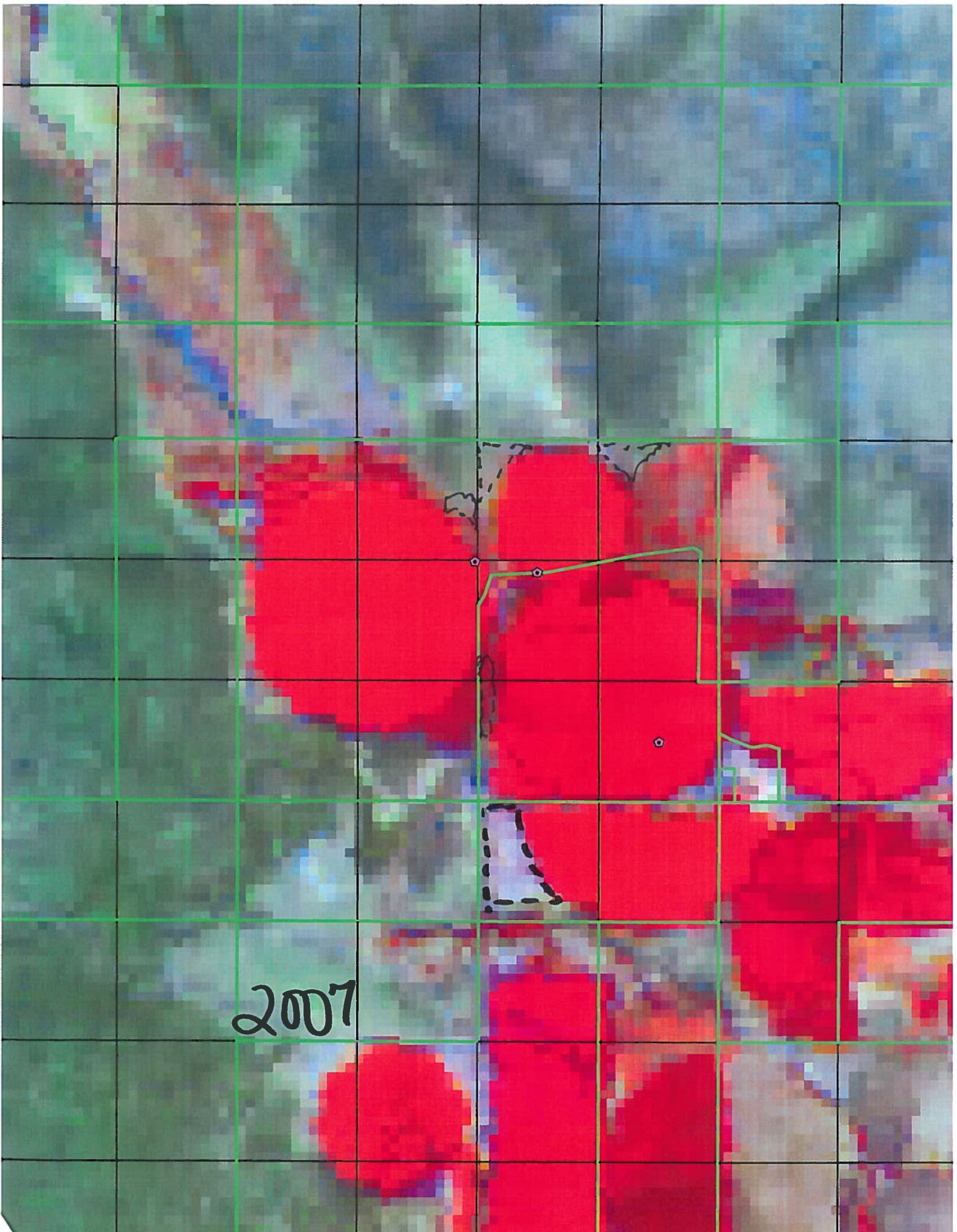
$$\text{length B} * 6.18 * 35' \div 2 = \text{Volume B} = 2.15 \text{ ac-ft}$$

$$\text{Total Volume} = \text{Volume A} + \text{Volume B} + \text{Volume C}$$

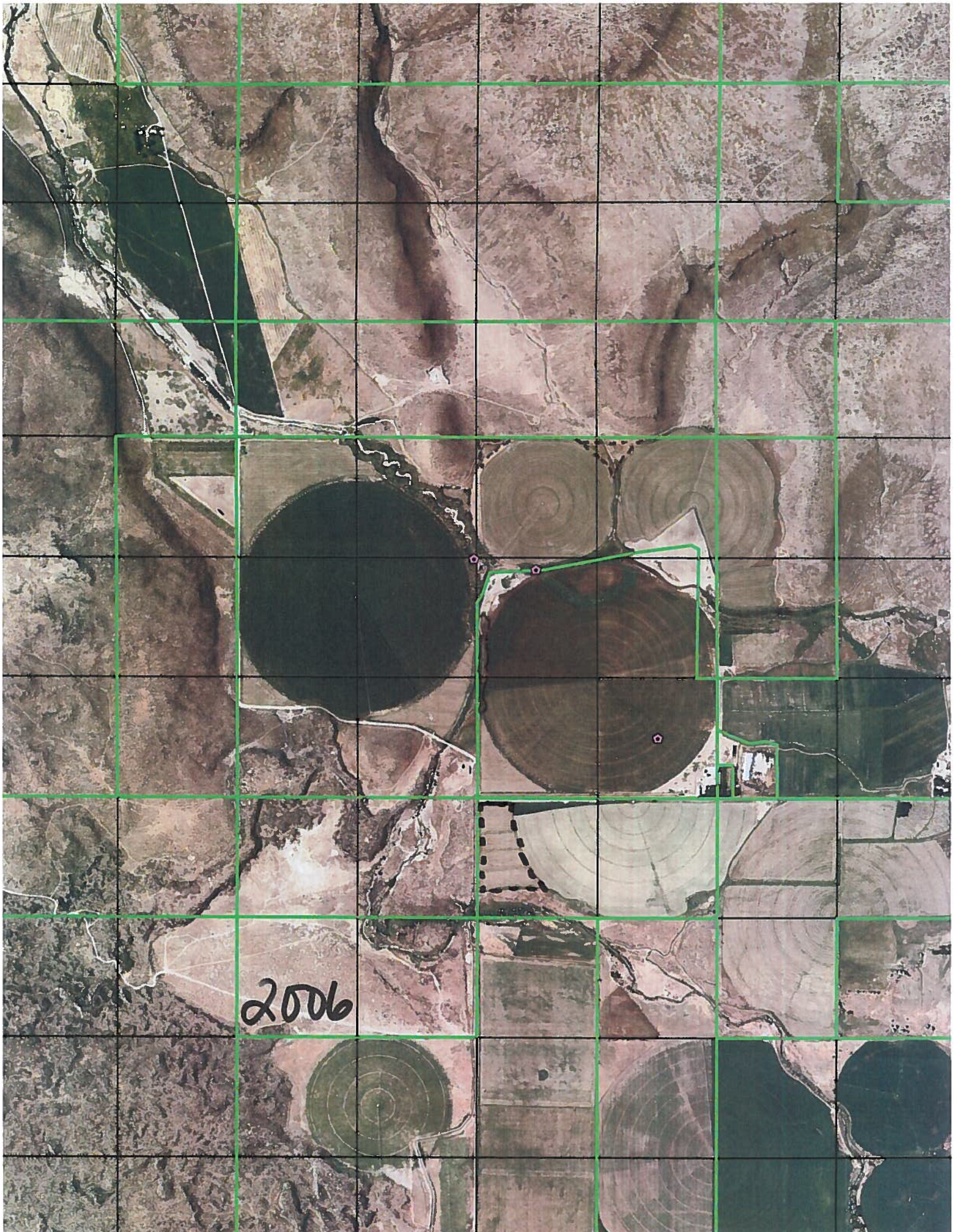




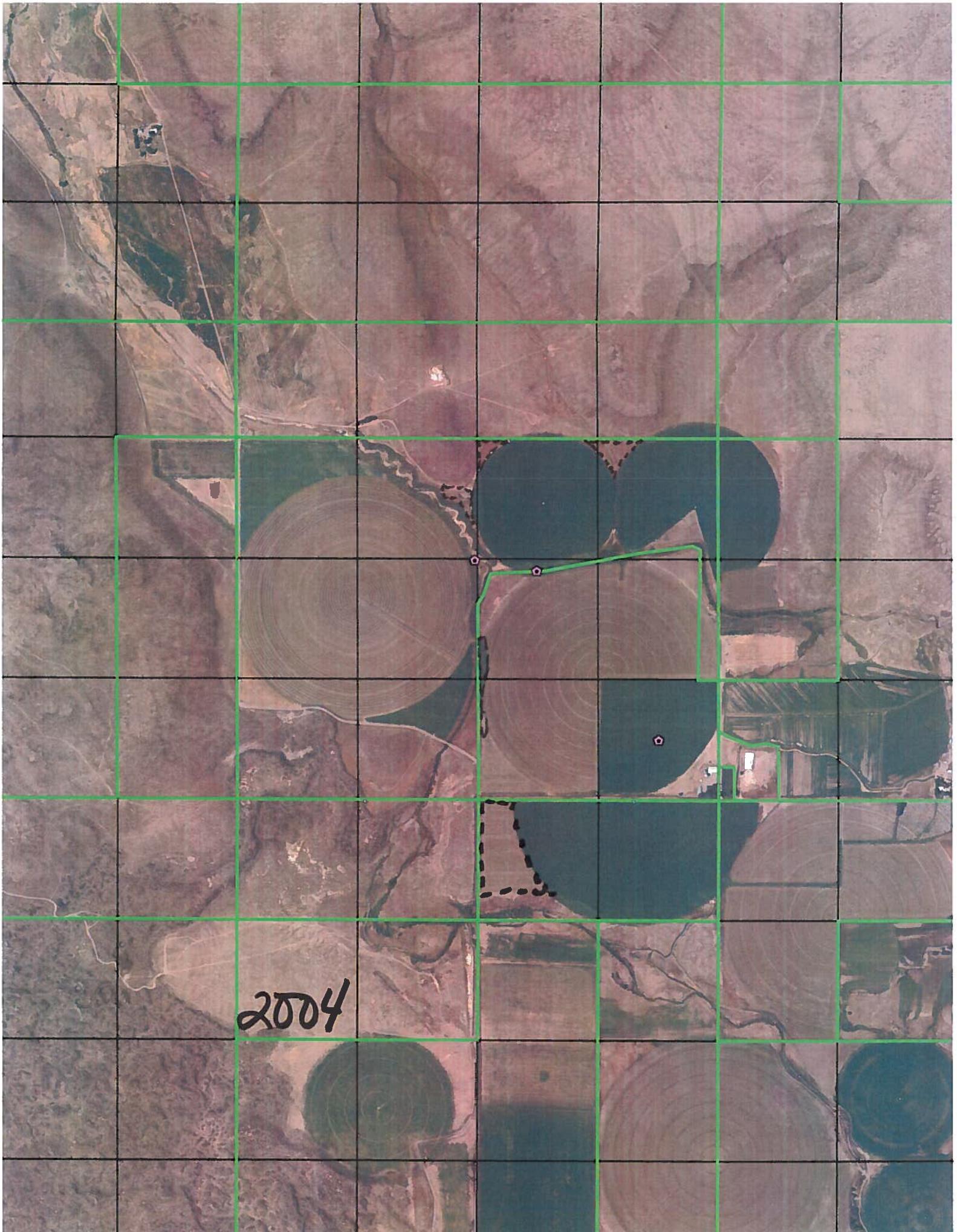
2008



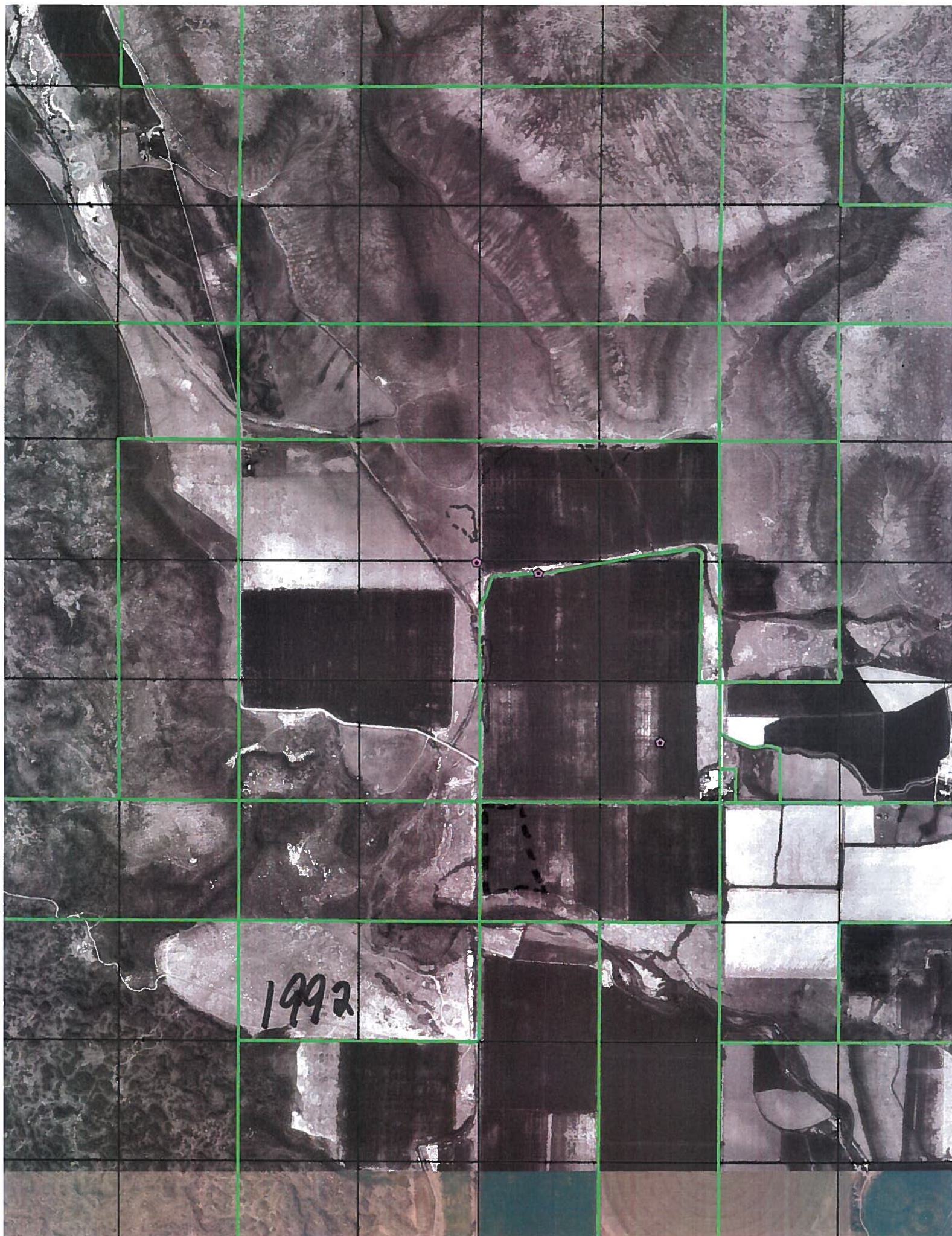
2007

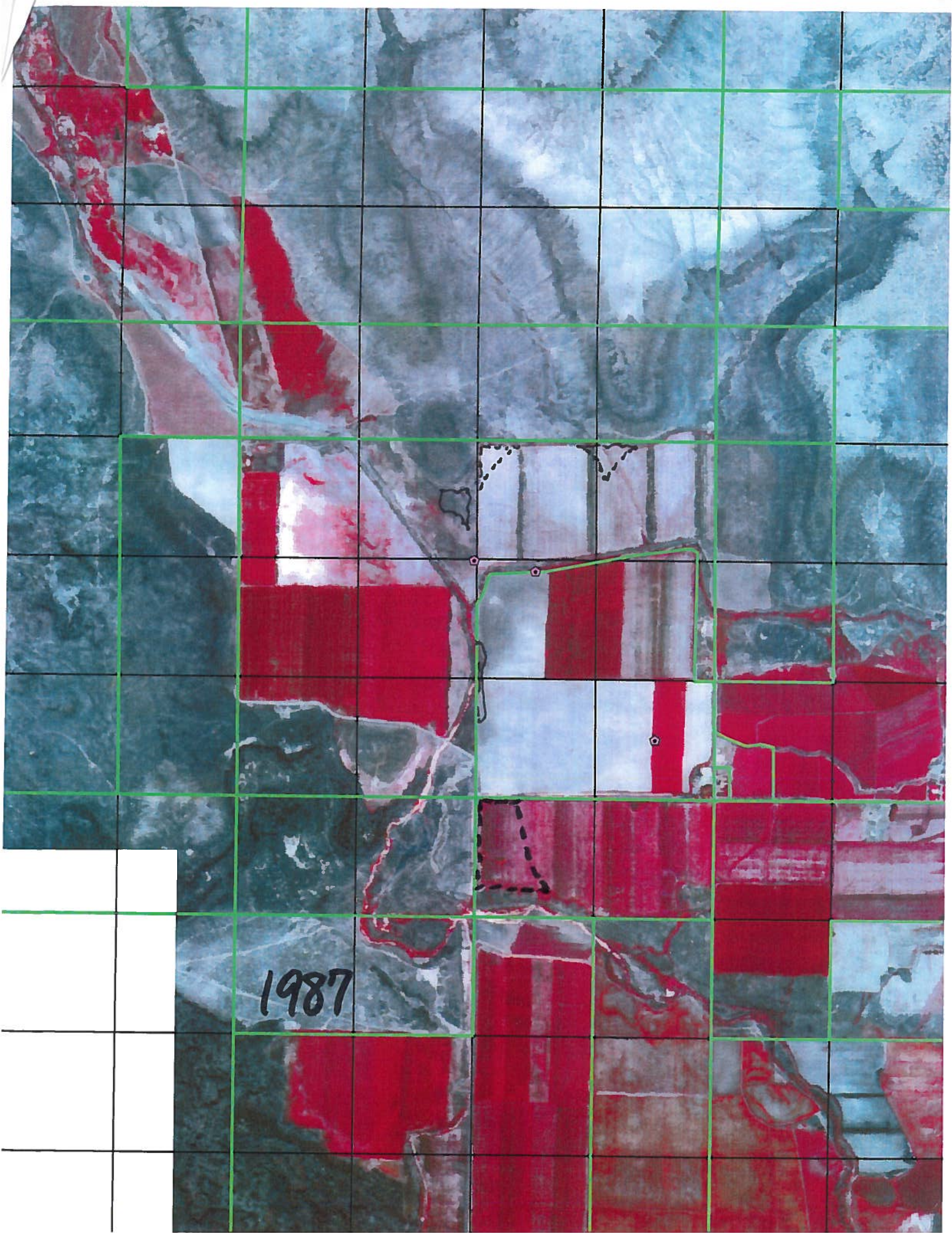


2006



2004





1987



37-8894

from Silver Pass



37-8894

Looking North over



37-8894

202



37-8894 205