

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 25-7654

Exam Date: 6/18/2015

1. Current Owner: CITY OF IDAHO FALLS
PO BOX 50220
ATTN: DAVE RICHARDS
IDAHO FALLS ID 83405-0220
(208)529-1471

2. Accompanied by: David Richards

Phone No: (208) 612-8471

Address: P.O. Box 50220 Idaho Falls, ID 83405

Relationship to Permit Holder: City of Idaho Falls Water Superintendent

3. SOURCE

TRIBUTARY

GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 25-2095, 25-2142, 25-2143, 25-7009, 25-7022, 25-7058, 22-7298, 25-7398, 25-7467.
2. Other water rights with the same point of diversion: None

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

GROUND WATER

NW1/4SE1/4

Sec. 28, Twp 02N, Rge 38E, B.M.

BONNEVILLE County

Method of Determination: Aerial Photography and site visit.

2.

Place of Use: Municipal

City of Idaho Falls Service Boundary

Method of Determination: Map

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

15B

US Electric Motors

150

D. FLOW MEASUREMENTS

1. Measurements:

Rate of diversion was determined by using water measurement data collected by the City of Idaho Falls.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Measurement data provided by the City of Idaho Falls. Q= 2214.36 gallons per minute or 4.93 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses:

N/A

G. NARRATIVE/REMARKS/COMMENTS

Water delivery system consists of a 150 hp pump diverting water into a 3,000,000 gallon storage tank. Three booster pumps pump from the storage tank into the public water system. The place of use is within the City of Idaho Falls service boundary. The designed pump capacity for diversion 15B is approximately 2,200 gallons per minute. Water measurement data collected by the City shows well 15B can pump 2214.36 gallons per minute.

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>
MUNICIPAL	01/01 to 12/31	4.930 CFS	
<u>Totals:</u>		4.930 CFS	

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

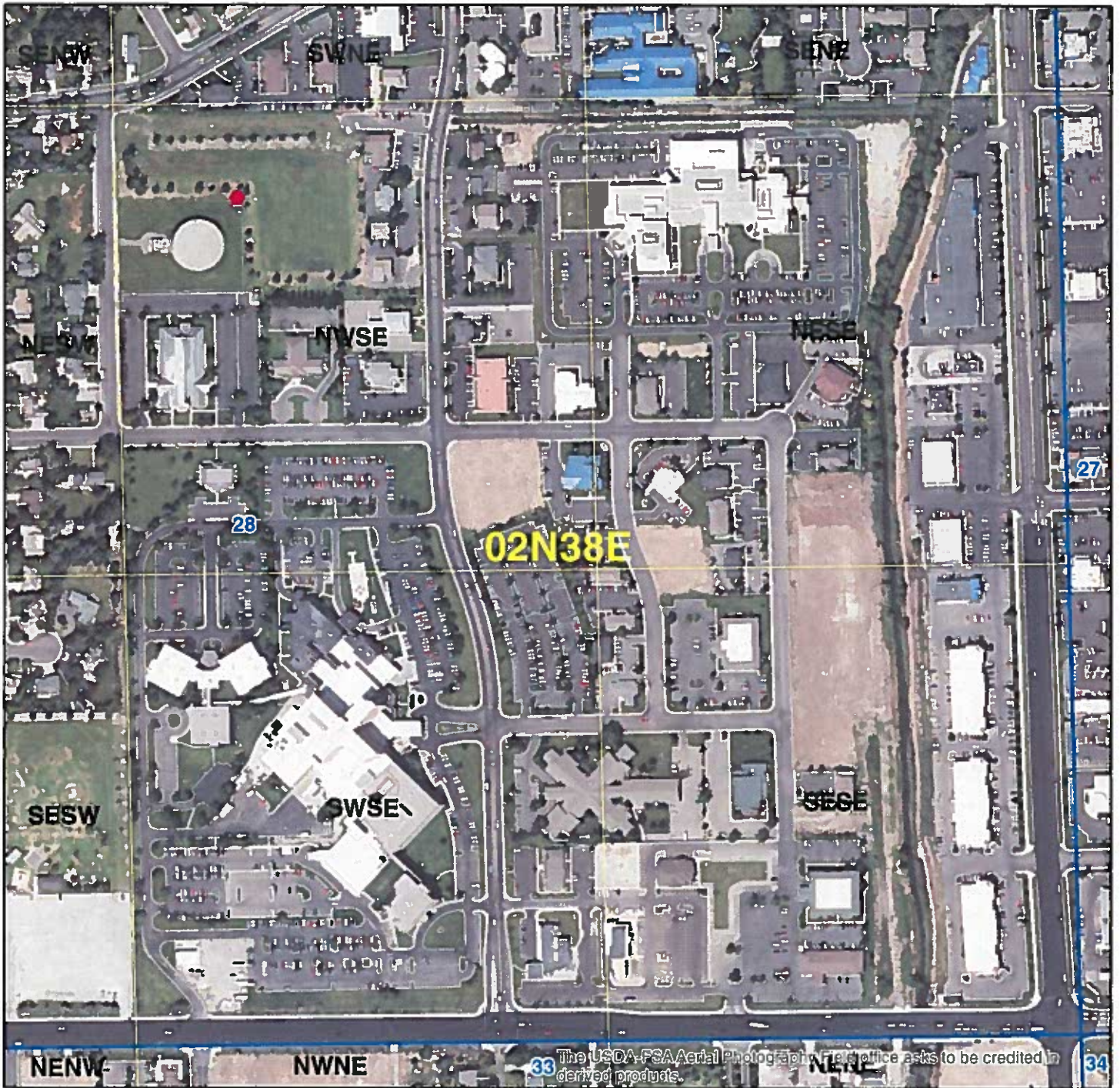
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Blake Sordani Date 6/24/2015

Reviewer _____ Date _____

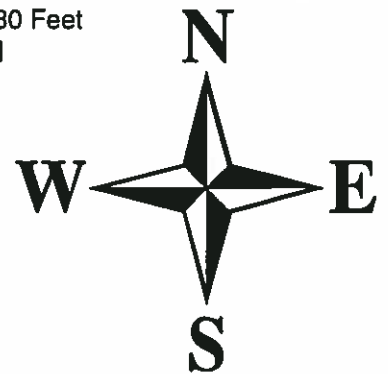
25-7654



The USDA-FSA Aerial Photograph Field Office asks to be credited in derived products.

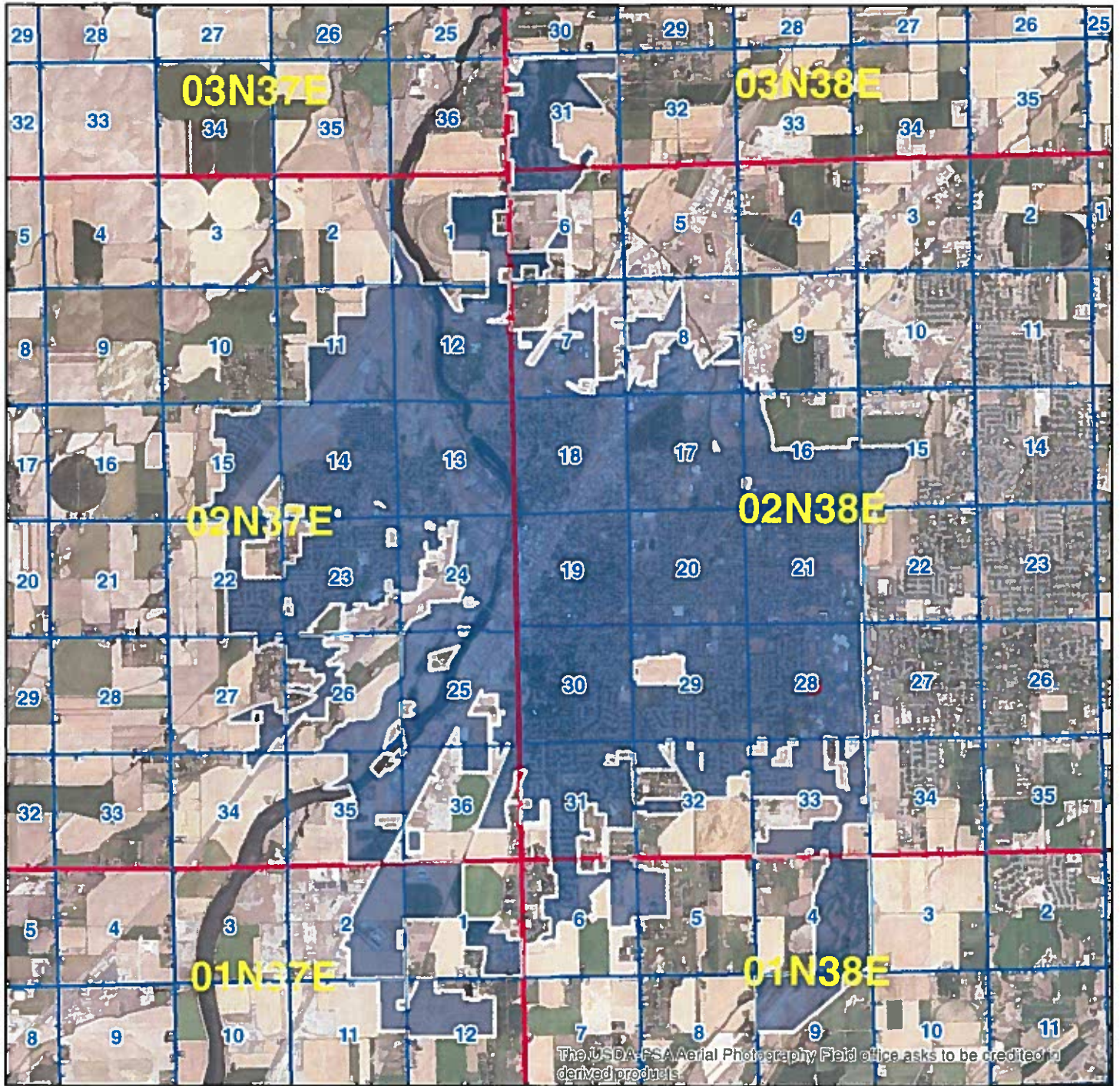
0 245 490 980 Feet

1 inch = 411 feet



- Point of Diversion
- Township/Range
- Sections
- QQ

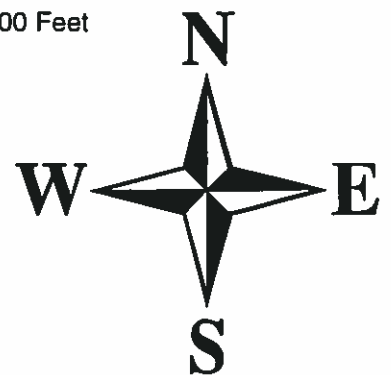
25-7654



0 3,850 7,700 15,400 Feet

1 inch = 6,666 feet

- Point of Diversion
- Service_Boundary
- Township/Range
- Sections



Well 15B



Well house

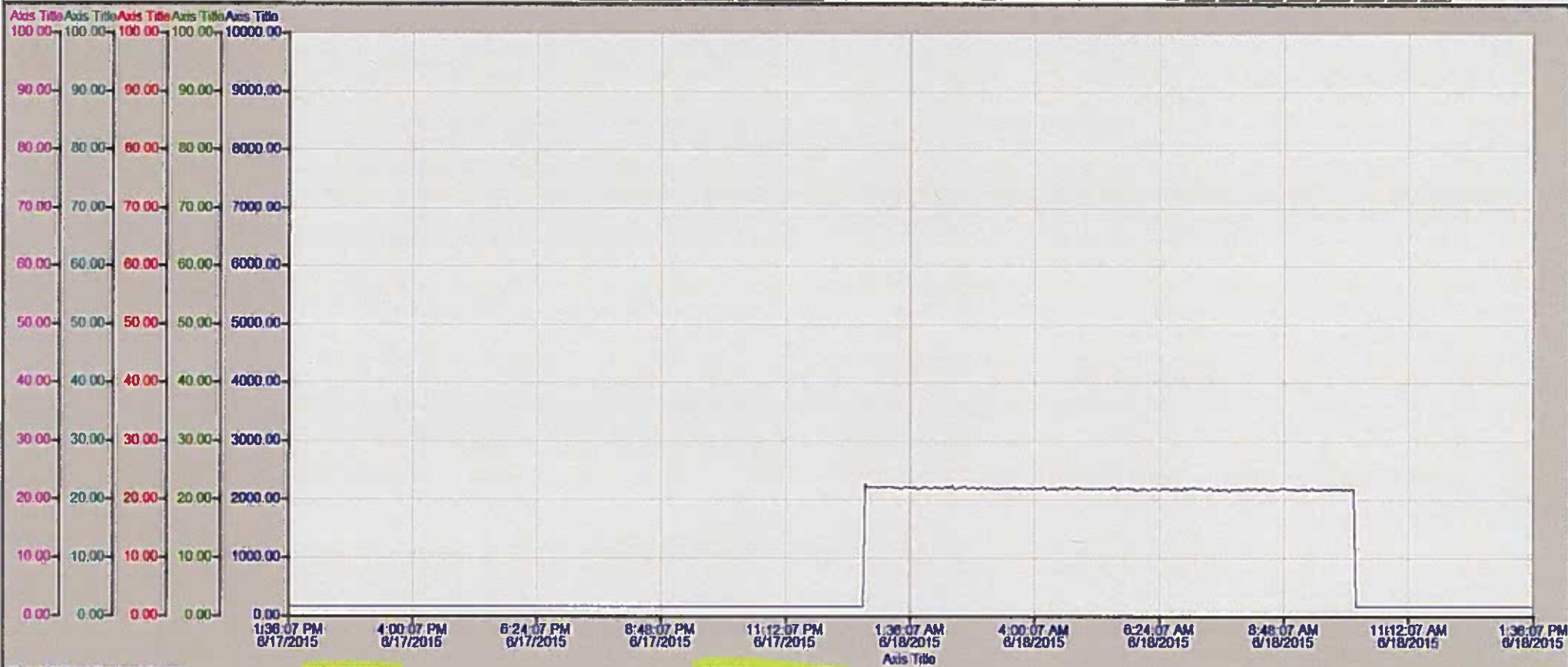
3,000,000 gallon storage tank



Booster pumps.

TRENDING.grf

<Filter by Area>	12 Well 15/15B	83 Flow	Pen 1	Pen 2	Pen 3	Clear Filter	Date & Time	Duration	Interval	Zooming	Scrolling	Auto Scroll
			Pen 4	Pen 5		Clear Chart	06/18/2015 01:35:51	1	Days			



Hist.SCADA1.FI1504B.F_CV

Well 15B Flow

2214.36 GPM

2
3
4
50.00
0.00
0.00
0.00