

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 1-7078

Exam Date: 8/21/2012

1. Current Owner: NICK JAMES COZAKOS
505 S RIVER DR
HEYBURN ID 83336

(208) 678-3030

2. Accompanied by: Permit holder

3. SOURCE

SNAKE RIVER

TRIBUTARY

COLUMBIA RIVER

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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

SNAKE RIVER L5 NE1/4SW1/4 Sec. 22, Twp 10S, Rge 23E, B.M. MINIDOKA County

Method of Determination: GPS (42.536151 -113.755583)

2.

<u>PLACE OF USE:</u>			IRRIGATION AND STOCKWATER																
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>	<u>Totals</u>
10S	23E	22									0.5								0.5
											L 5								

Total Acres: 0.5

Method of Determination: Field visit

3. ☒ Delivery System Diagram Attached (required).
☒ 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>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u>
<u>ID No.*</u>				<u>Size</u>	
		1.5 horse--	See attached spec sheet	1.5"	

D. FLOW MEASUREMENTS

1.

<u>Measurement</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
<u>Equipment</u>						
NONE						

2. Measurements: None

E. FLOW CALCULATIONS

Measured Method: $8.8 \times 1.5 \times 0.7 / 5 + (2.31 \times 40) = 9.24/97.4 = \underline{0.09 \text{ cfs}}$

Pipe Flows for a 1.5" pipe when properly designed at 5fps

$$Q = 5 (3.1416) r^2$$

$$r = (\text{diameter}/12)/2 = 0.0625$$

$$Q = 5 (3.1416) 0.0625^2 = \underline{0.06 \text{ cfs}}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \text{ acres} \times 4 = 2 \text{ afa}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \times 1.9835 \times 246 = 9.8 \text{ afa}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2 \text{ afa}$$

2. Volume Calculations for Other Uses: Stockwater—7 animals $\times$ 12 gpd $\times$ 365 = ~0.1 afa

G. NARRATIVE/REMARKS/COMMENTS

I have obtained confirmation from WD 01 that Mr. Cozakos has been paying fees to use MID storage water in order to mitigate for his permit. Apparently, MID made an agreement with him when they altered their delivery system and made it so Mr. Cozakos could not use MID water.

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>
IRRIGATION	3/15 to 11/15	0.020 CFS	2.0 AF
STOCKWATER	1/01 to 12/31	0.020 CFS	0.1 AF
<u>Totals:</u>		0.040 CFS	2.1 AFA

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

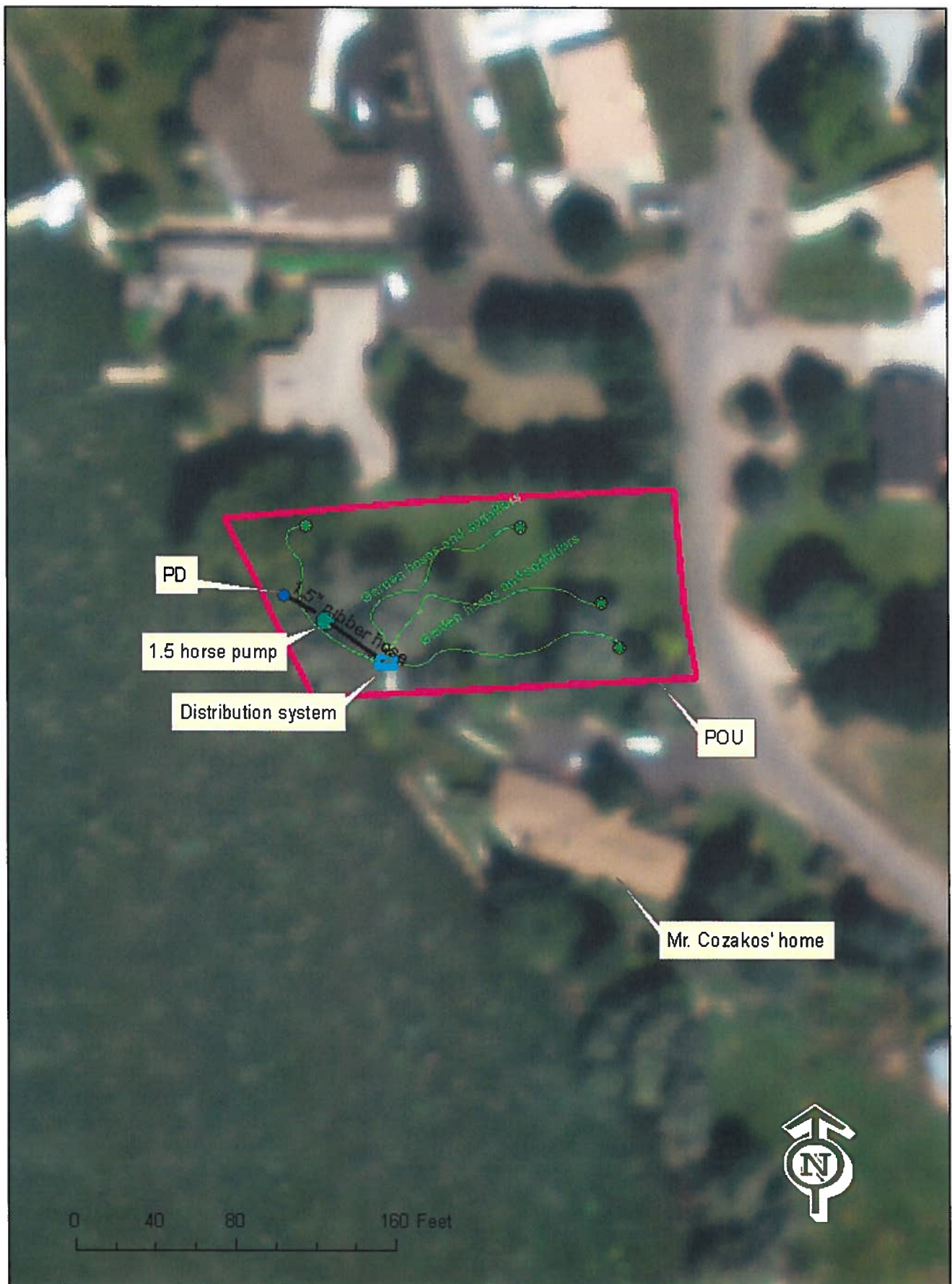
Field Examiner's Name Cherie Delmar Date 10/29/12

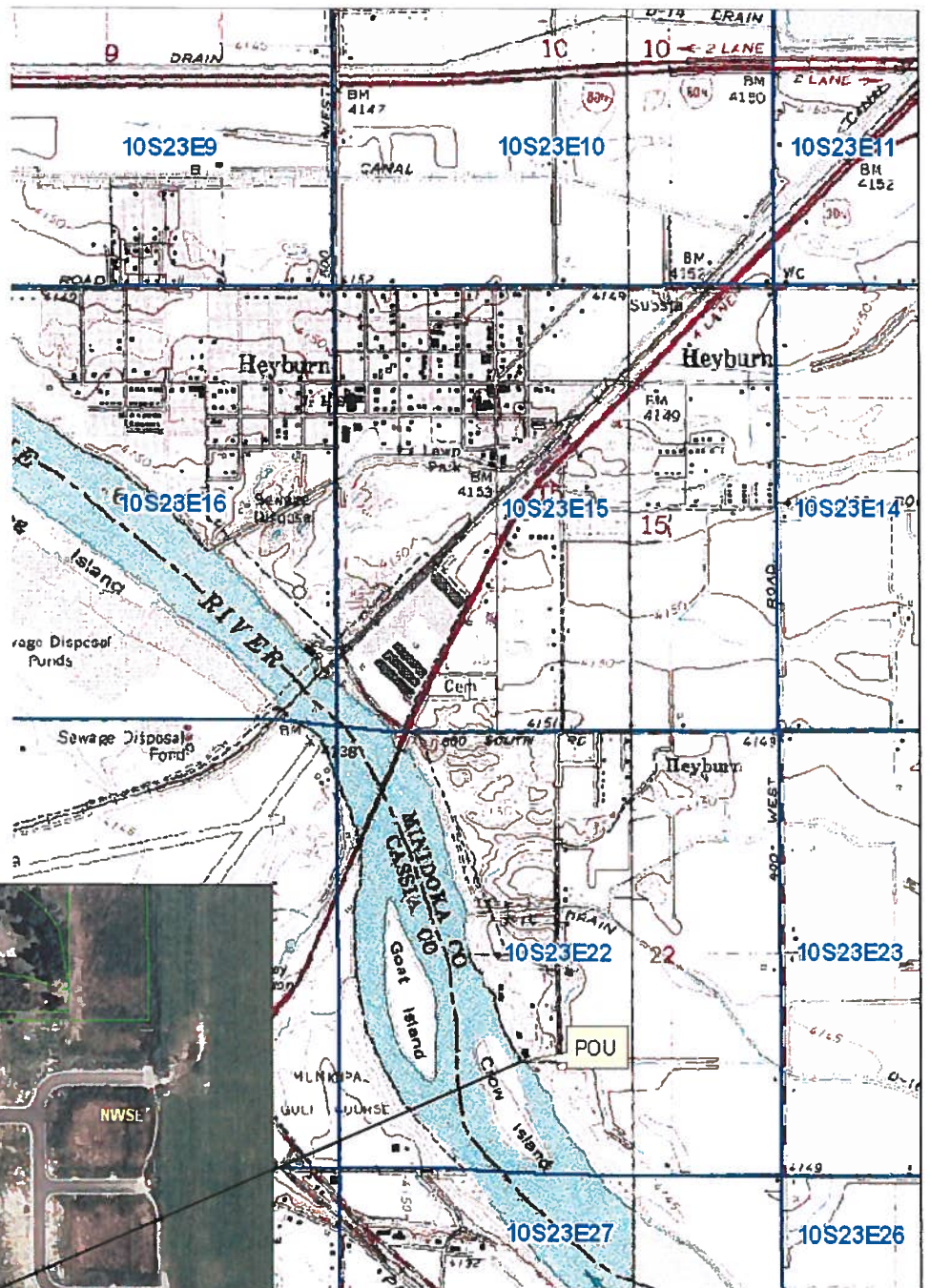
Reviewer _____ Date _____

Attachments 2

#1 - overlap analysis

#2 - WD01 record







POV - Snake River behind
Me, I'm facing East



POV
Looking NE



point of diversion



Pump - 1 1/2 horse



Power to the pump



Distribution system

Black hose is incoming from the Snake, various garden hoses to POV.

Type	WR #	Owner	Source	TRS	NESW
Rec	1 8	MINIDOKA IRRIGATION C	SNAKE RIVI	10S23E22	X Y-water undeliverable, has agreement to rent storage water though MID to mitigate permit
Right	36 7929	MITCH JOHNSON, JODIE .	GROUND V	10S23E22	X N-part of Lots 2 & 3
Right	36 13355	LARRY K EDWARDS,	GROUND V	10S23E22	X NA-just domestic
Right	36 12440	ART RATHE, SHARON RA	GROUND V	10S23E22	X NA-just domestic
Right	36 13262	M JEAN PLUMMER, JAM	GROUND V	10S23E22	X NA-just domestic
Right	36 7929	MITCH JOHNSON, JODIE .	GROUND V	10S23E22	1 N-part of Lots 2 & 3
Right	36 11862	MAX H FOWLER, KAREN I	GROUND V	10S23E22	X NA-just domestic
Right	1 10059	CECIL THOMAS, DELORES	SNAKE RIVI	10S23E22	X N-part of Lot 8
Right	1 7047	ROWENE JACK, RICHARD	SNAKE RIVI	10S23E22	1 POU Unknown-Not claimed and most likely no overlap since priority similar to Mr. Cozakos'
Right	1 7041	DEBBIE CLAYVILLE,	SNAKE RIVI	10S23E22	1 N-part of Lot 7
Right	36 8550	CITY OF HEYBURN,	GROUND V	10S23E22	X Within city's service boundary
Right	36 8738	CITY OF HEYBURN,	GROUND V	10S23E22	X Within city's service boundary
Right	1 7078	NICK JAMES COZAKOS,	SNAKE RIVI	10S23E22	0.5

Conclusion: No significant overlaps for the POU and PD.

MED RESC
13084641

PUMPS ON SNAKE RIVER BETWEEN LAKE WALCOTT AND MILNER DAM
WATER DISTRICT 01

FILE NO:WD-47

NAME:COZAKAS, NIICK JAMES

PHONE NO:678-3030

ADDRESS:RIVER RUN

STATE:IDAHO

CITY:HEYBURN

ZIP:83336

DIVERSION POINT:NESW, SEC 22, TWP. 10 S. RG. 23 EBM

PRIORITY DATE:02/24/1983

STATE W.R. NO:01-07078

AMOUNT OF RIGHT:0.040 CFS

ACRES OF LAND:1.00

TYPE OF RIGHT:PERMIT

SOURCE:SNAKE RIVER

STORAGE SOURCE:M.I.D. 1.30 ACRES SERIAL NO. 207-5

MOTOR SIZE:

PUMP CAPACITY:

SYSTEM TYPE:

REMARKS:

RECOMMENDATIONS:CHARGE COZAKOS FOR MINIMUM CHARGE