

[illegible]

Method of Determination: Site Visit, Aerial photography

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

D. FLOW MEASUREMENTS

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>
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2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

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:

See Attached Pond Calculation Worksheet

G. NARRATIVE/REMARKS/COMMENTS

There are NO other ponds located on this creek/property.. The only Point of Diversion is the dam on Meadow Creek. Cows use the stream as grazing/pasture area no development has occurred. The Fish ladder is destroyed and not usable. Water from the pond is not being released, all water is currently being captured. There are springs below the dam that puts some flow in the lower creek. Unpermitted dredging has occurred on un-named tributary to Meadow Creek there is also an unpermitted culvert crossing on Meadow creek, all located on the Hudman property. The diversion dam appears to be greater than 10' in height, may be a dam safety issue.

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>
STOCKWATER STORAGE	01/01 to 12/31		12.00 AF
WILDLIFE STORAGE	01/01 to 12/31		12.00 AF
	<u>Totals:</u>		12.00 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 Kerrie Hawthorn Date 8-7-2012

Reviewer _____ Date _____

PRECIPITATION DEFICIT CALCULATIONS FOR PONDS

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL EVAP IN AF
mm/Day *	0	0	0.16	1.28	1.82	2.63	3.41	2.91	1.92	0.87	0	0	
mm/Month	0	0	4.96	38.4	56.4	78.9	106	90.21	57.6	26.97	0	0	
ft/Month	0	0	0.016	0.126	0.19	0.259	0.35	0.296	0.19	0.088	0	0	
Surface Area in Acres	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	
acre-feet	0	0	0.034	0.265	0.39	0.544	0.73	0.622	0.4	0.186	0	0	3.16

* Based on percipitation deficits provided by University of Idaho, <http://data.kimberly.uidaho.edu/ETIdaho/>

POND SIZE:	WIDTH X LENGTH	SQ FT	ACRES
			2.1

mm to ft 0.0032808

JAN	FEB	MAR	APR
31	28	31	30
MAY	JUN	JUL	AUG
31	30	31	31
SEPT	OCT	NOV	DEC
30	31	31	31

If applicable, acres need to dry up for evaporation

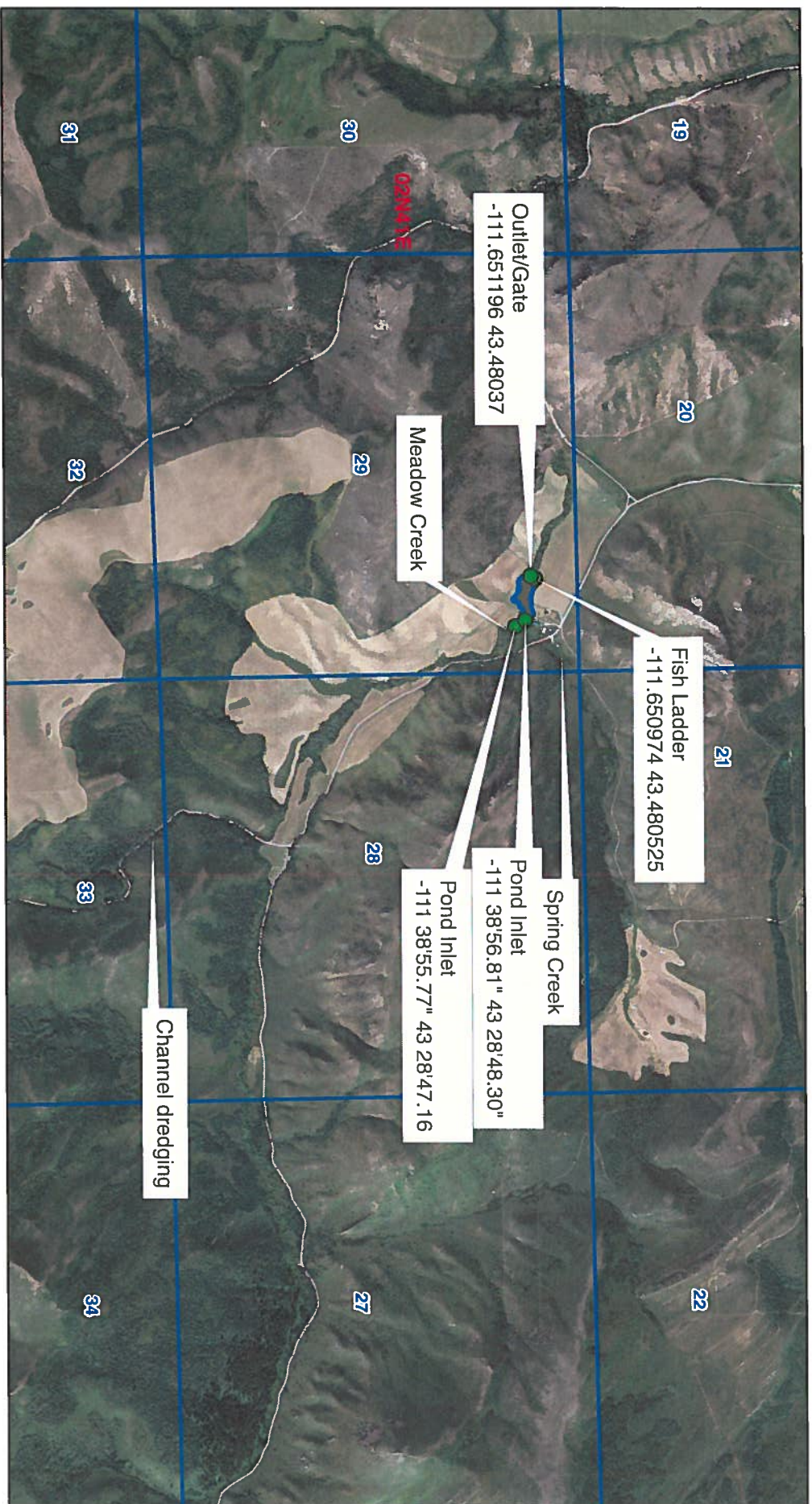
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Crop type =	Grass Hay
CIR in AF/ACRE	

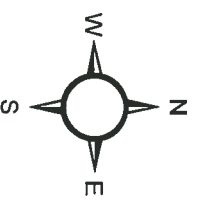
Pond size in acres	2.1
Average depth in ft	4
AF needed to Fill	8.4

TOTAL AF FOR POND	11.56
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Data entry in green



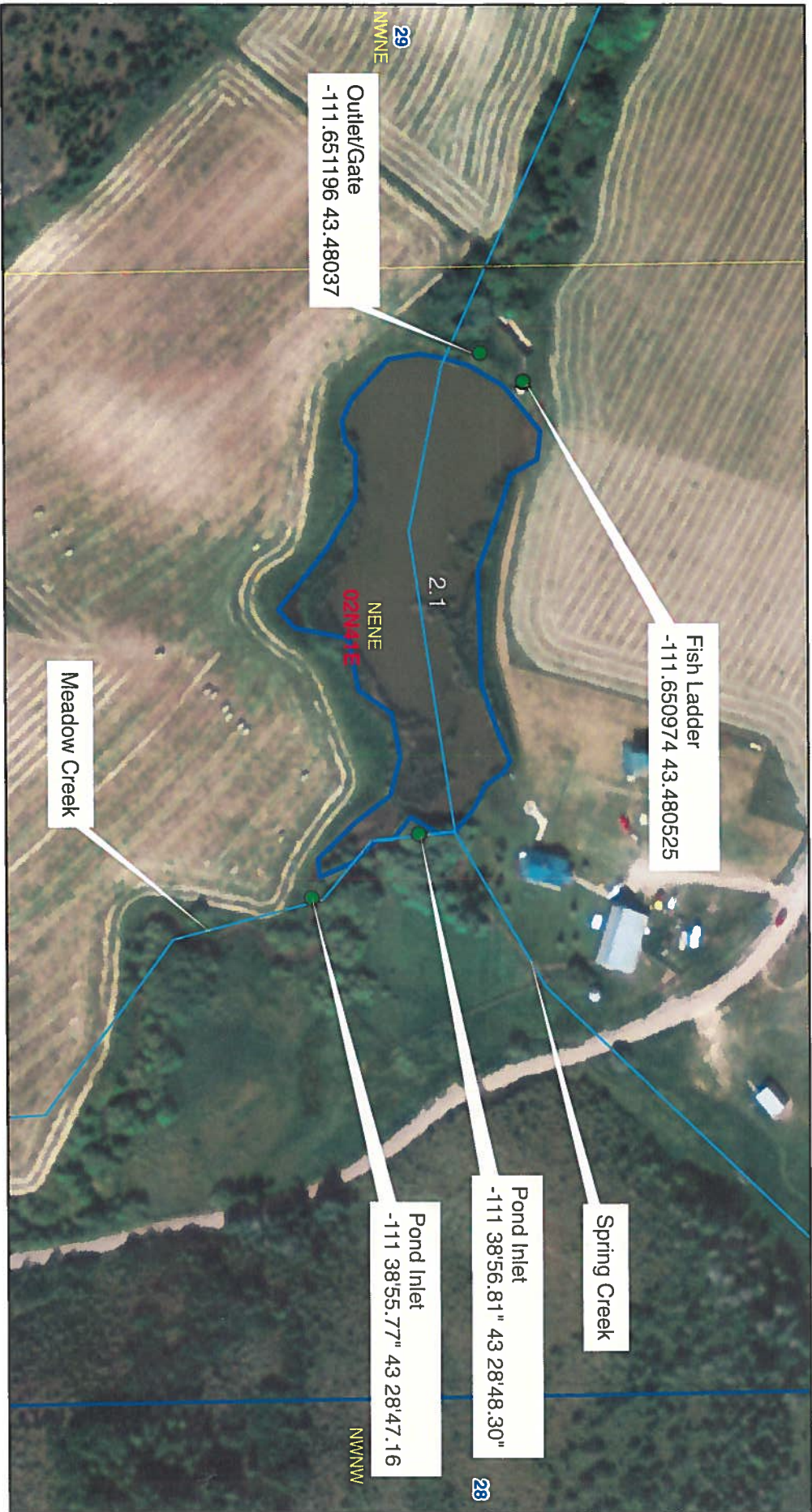
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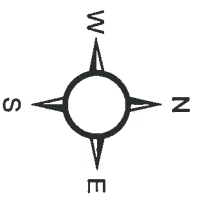
- Pond
- Township/Range
- Sections

2011 Aerial Image



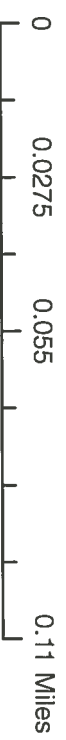


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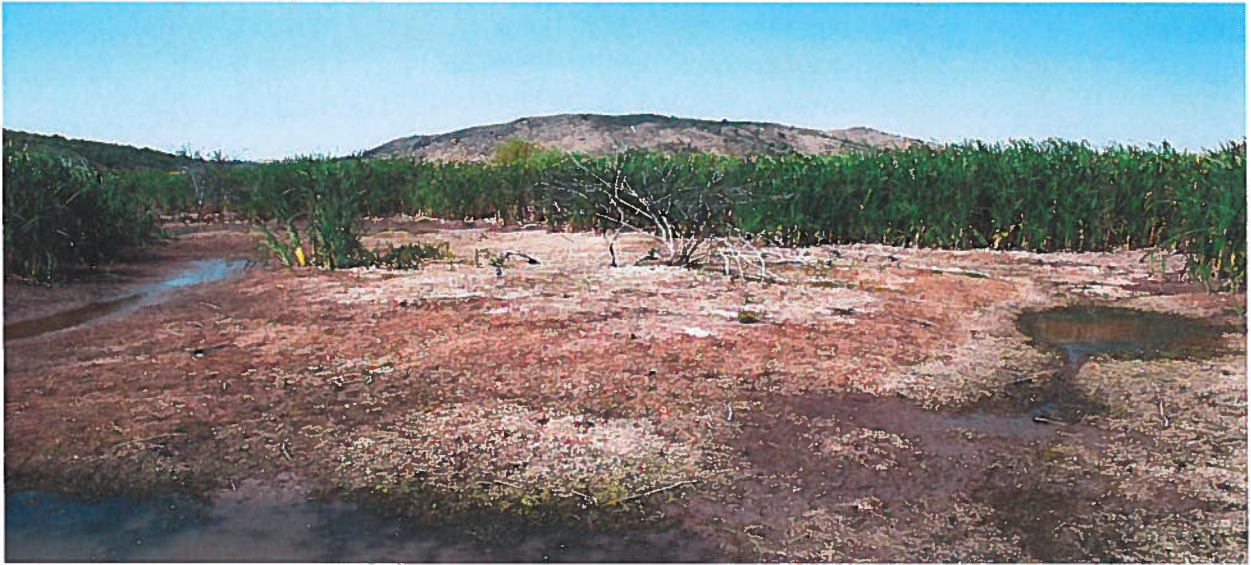


- allstr
- Pond
- Township/Range
- Sections
- QQ

2011 Aerial Image



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Meadow Creek Inlet



Spring Creek Inlet



