

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATIONPermit No: 75-14590

Exam Date: 03/22/13

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)?
- X
- Y
-
- N

- a. Irrigation of 5 acres or less
 b. Storage of up to 14.6 AF for stockwater purposes only
 c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 d. Other < >

2. Current Owner: Name: Sandra Dolliver & Gail Gibson
 Owner of Record Correct? X Y N
 Address of Record Correct? X Y N
 If No: Address

3. Beneficial Use Fees have been paid:
- X
- Y
-
- N Receipt No: C093883

- 4.
- SOURCE**
- TRIBUTARY**

Salmon River

Snake River

Method of Determination: Pictures of pump and POD map from Permit Holder.

Change in Source: Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use:
-
- NO Overlap

Water Right No.	Source	Purpose of Use	Basis
75-7009	Ground Water	Domestic	Decreed
75-7114	Ground Water	Domestic	Decreed
75-7497	Ground Water	Domestic	Decreed

Comments: 75-103- disallowed in SRBA as unclaimed. 75-7009, 75-7114, & 75-7497 for Domestic Use of subdivision, no combined limits.

2. Other water rights with the same point of diversion:
- X
- NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: 75-114 GW for domestic use

C. DIVERSION AND DELIVERY SYSTEM

- 1.
- LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.		County
Salmon River	12		SE	SW	10	18N	21E	B.M.	Lemhi
								B.M.	
								B.M.	

Method of Determination: Pictures of pump and POD map from Permit Holder.

Change in POD? X N Amendment Required? N

- 2.
- PLACE OF USE:**
- Use: Irrigation

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
18N	21E	10												1.0					1.0
		Lot #												12					
Total Acres =																		1.0	

Method of Determination: GIS Imagery. Less than permitted because of house. Entire lot 1.3 acres.

Change in POU? ☒ N ☐ Amendment Required? ☐ N

☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable.

☐ Aerial Photo Attached (required for irrigation of 10+ acres).

☒ Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	AO Smith	2	07810FM	Goulds	2"

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

Model K48A34A06 230 Volts

D. FLOW MEASUREMENTS

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

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

0.02 cfs = 1 inch per acre (IDWR standard) 1.0 acres(0.02 cfs) = 0.02 cfs at 1 inch per acre

Per App. Processing Memo #17, up to 0.03 cfs/acre for irrigation up to 5 acres acceptable. 1.0 acres(0.03 cfs) = 0.03 cfs

Per original application – 2 hp pump. Per IDWR standard: Assume pump efficiency = 0.7 (70%) and PSI = 30psi for small irrigation. Lift estimated from Contour Elevations (GIS visual, 40 ft. min. unit) between pump and field = 40.

$$Q = (8.8 \times \text{HP} \times \text{EFF}) / (\text{Lift} + (\text{PSI} \times 2.31)) = (8.8 \times 2 \times 0.7) / (40 + (30 \times 2.31)) = 0.11$$

$$Q = 5 \pi [(diameter/12)/2]^2 Q = 5 \times 3.1416 \times [(2/12)/2]^2 = 0.11 \quad 24 \text{ gal/min} = 0.05 \text{ cfs}$$

Measurement = 0.03 cfs

Permit allowed = 0.04 cfs

License recommend for 0.03 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.0 \times 3.5 = 3.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 214 \times 1.9835 = 12.7$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3.5$$

2. Volume Calculations for Other Uses:

G. PURPOSE OF USE

Irrigation ☒ Y ☐ N # Stock _____ Domestic # of Homes _____

Other: < >

Change in Purpose of Use? ☐ Y ☒ X ☐ N

Method of Determination: Irrigated field visible on GIS Imagery.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

- In Wild and Scenic Watershed: Salmon River Excluding Middle Fork
- Prior to diversion of water under this right, the right holder shall install a lockable device, subject to the approval of the Department, in a manner that will provide the watermaster suitable control of the diversion.
Picture of lock box provided by permit holder
- The right holder shall install or construct a straight length of conduit or ditch suitable for installation of a device for measuring the entire flow of water being diverted in connection with this right. If the right holder uses conduit, the straight length of conduit shall be at least ten times the diameter of the conduit and shall be above ground or otherwise easily accessible.
Picture of conduit provided by permit holder.

Have conditions of permit approval been met? ☒ X Yes ☐ No

I. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	04/01 to 10/31	0.03 CFS	3.5 AF
<u>Totals:</u>		0.03 CFS	3.5 AF

2. Recommended Amendments

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

Other: < >

J. AUTHENTICATION

Field Examiner's Name Danielle Farnsworth Date 06/03/13Reviewer Daniel D. Mela Date 6-4-13

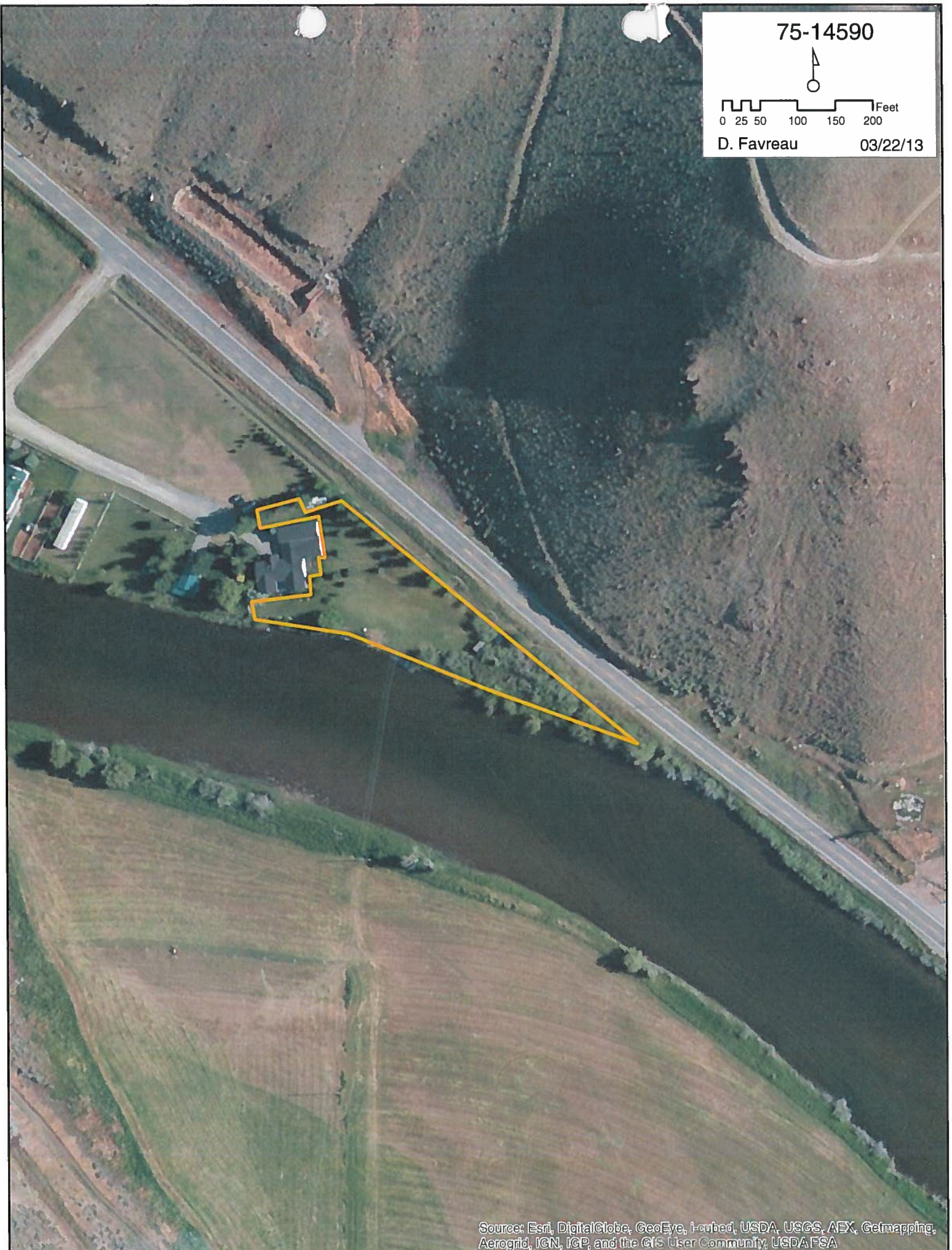
75-14590



0 25 50 100 150 200 Feet

D. Favreau

03/22/13



Process	Basin Sequence	Draft	Owner	Source	POD/POU	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Permit	75-14590	N	DOLLIVER, SANDRA K; GIBSON, GAIL F	SALMON RIVER	POD												X					0
Water Permit	75-14590	N	DOLLIVER, SANDRA K; GIBSON, GAIL F	SALMON RIVER	POU												1.3					1.3
Water Permit	75-14619	N	CALLAGHAN, JOSEPH; CALLAGHAN, PATRICIA	SALMON RIVER	POD		X															0
Water Permit	75-14619	N	CALLAGHAN, JOSEPH; CALLAGHAN, PATRICIA	SALMON RIVER	POU		0.6															0.6
Water Permit	75-7515	N	MALINE, LEONA; MALINE, VERNARD A	WARM SPRINGS CREEK	POU															3.0		3
Water Permit	75-7639	N	STEELHEAD BEND MUTUAL WATER CO	GROUND WATER	POU		X			X												0
Water Right	75-101	N	PHILLIPS, CLYDE L	IRON CREEK, SALMON	POU											12.0						12
Water Right	75-102	N	PHILLIPS, CLYDE L	IRON CREEK, SALMON	POU											12.0						12
Water Right	75-103	N	HELLMAN, MARCUS	WARM SPRINGS CREEK	POU									X	X	X	X	X	X	X	X	0
Water Right	75-104	N	YAKOVAC, DIANE; YAKOVAC, MAC	RYE GRASS CREEK	POU	5.5	6.7		14.0													26.2
Water Right	75-10829	N	YAKOVAC, DIANE; YAKOVAC, MAC	SPRING	POD	X			X													0
Water Right	75-10829	N	YAKOVAC, DIANE; YAKOVAC, MAC	SPRING	POU		X		X													0
Water Right	75-13300	N	UNITED STATES OF AMERICA ACTING THROUGH	SALMON RIVER	POD																	0
Water Right	75-13300	N	UNITED STATES OF AMERICA ACTING THROUGH	SALMON RIVER	POU																	0
Water Right	75-14195	N	PHILLIPS, CLYDE L	IRON CREEK	POU											7.0						7
Water Right	75-14196	N	PHILLIPS, CLYDE L	IRON CREEK, SALMON	POU											12.0						12
Water Right	75-14198	N	PHILLIPS, CLYDE L	IRON CREEK, SALMON	POU											12.0						12
Water Right	75-2033	N	HELLMAN, ADAM	WARM SPRINGS CREEK	POD															X		0
Water Right	75-2033	N	HELLMAN, ADAM	WARM SPRINGS CREEK	POU										30.0	40.0	8.0					78
Water Right	75-2093	N	PHILLIPS, CLYDE L	IRON CREEK, SALMON	POU											12.0						12
Water Right	75-2133	N	JOHNSON, ORLO	UNNAMED STREAM	POU	3.0	24.0		5.0													32
Water Right	75-4003	N	PHILLIPS, CLYDE L	IRON CREEK, SALMON	POU											12.0						12
Water Right	75-7009	N	ELK BEND MUTUAL WATER CO	GROUND WATER	POD																	0
Water Right	75-7009	N	ELK BEND MUTUAL WATER CO	GROUND WATER	POU							X	X	X	X	X	X		X	X	X	0
Water Right	75-7010	N	STEELHEAD BEND MUTUAL WATER CO	GROUND WATER	POD		X															0
Water Right	75-7010	N	STEELHEAD BEND MUTUAL WATER CO	GROUND WATER	POU		X			X												0
Water Right	75-7031	N	PHILLIPS, CLYDE L	IRON CREEK, SALMON	POU											12.0						12
Water Right	75-7114	N	ELK BEND MUTUAL WATER CO	GROUND WATER	POD												X					0
Water Right	75-7114	N	ELK BEND MUTUAL WATER CO	GROUND WATER	POU							X		X	X	X	X		X	X	X	0
Water Right	75-7497	N	ELK BEND MUTUAL WATER CO	GROUND WATER	POD											X						0
Water Right	75-7497	N	ELK BEND MUTUAL WATER CO	GROUND WATER	POU							X	X	X	X	X	X		X	X	X	0
Water Right	75-7539	N	SALMON RIVER PROPERTIES INC	GROUND WATER	POD														X			0
Water Right	75-7539	N	SALMON RIVER PROPERTIES INC	GROUND WATER	POU			14.5						2.1					14.2			30.8
Water Right	75-7605	N	SALMON RIVER PROPERTIES INC	GROUND WATER	POU					4.2												4.2
Water Right	75-7639	Y	STEELHEAD BEND MUTUAL WATER CO	GROUND WATER	POU		X															0
Water Right	75-94	N	SCHULTZ, LONA D	IRON CREEK	POU			X		X			X									0

RECEIVED

MAY 31 2013

DEPARTMENT OF
WATER RESOURCES

State of Idaho
DEPARTMENT OF WATER RESOURCES
322 East Front Street
PO Box 83720
Boise, Idaho 83720-0098

Attn: Danielle Favreau
GIS Analyst
Technical Services Bureau

RE: Water Appropriation Permit 75-14590
476 W Elkhorn Rd
Salmon, Idaho 83467
Phone # 208-894-1452

Dear Danielle Favreau:

In response to your request for information regarding our permit request # 75-14590 is as follows:

- 1) Point of Diversion Information & Pump location: Enclosed please find Photographs of pump & location
Was unable to obtain GPS location, sorry for the inconvenience I did mark it on the photograph..
- 2) Pump Info: Make, A.O. SMITH, Model, K48A34A06, Serial # 07810FM, HP 2, Volts 230, Pipe 2"
Suction & Output
- 3) Sprinkler Info: Size of water line 2", 2" 100PSI (service line), Type Eagle Poly 100PSI, Number of
Nozzles 8 heads. , Gallons per minute 24GPM
- 4) Lockable device installed see enclosed photos
- 5) Straight length of conduit installed per specifications see enclosed photos
- 6) Photographs requested of: Lockable device to allow Watermaster control & straight length of conduit for
Installation of a device for measuring the entire follow of the water being diverted.

I believe we have answered and provided all requested information per your request dated April 15, 2013
Thank you for your assistance with our application.

Sincerely,



Sandra Dolliver / Gail Gibson
504 Lake Ontario Lane
Boulder City, NV 89005

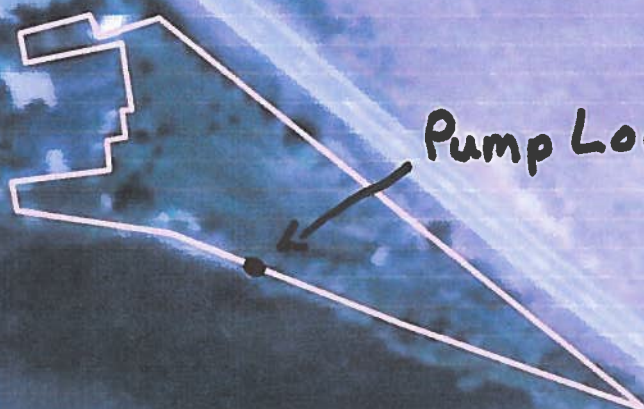
75-14590



0 25 50 100 150 200 Feet

D. Favreau

03/22/13

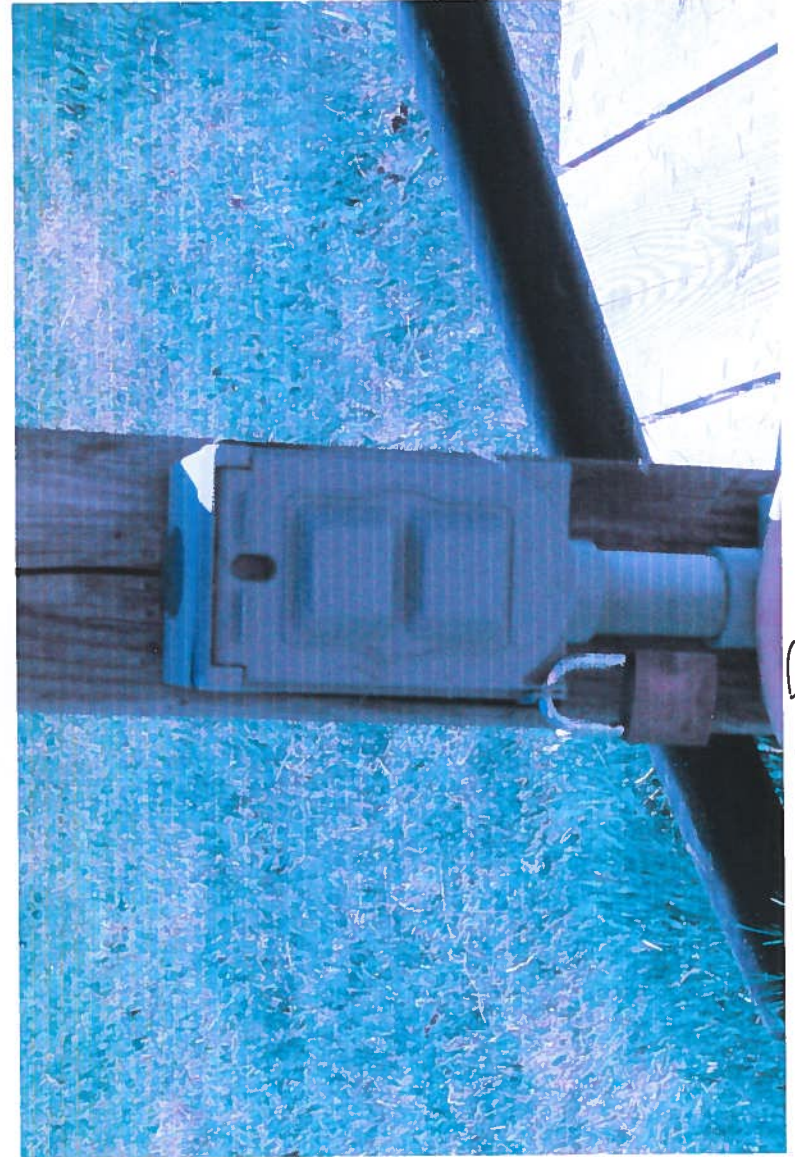


Pump Location



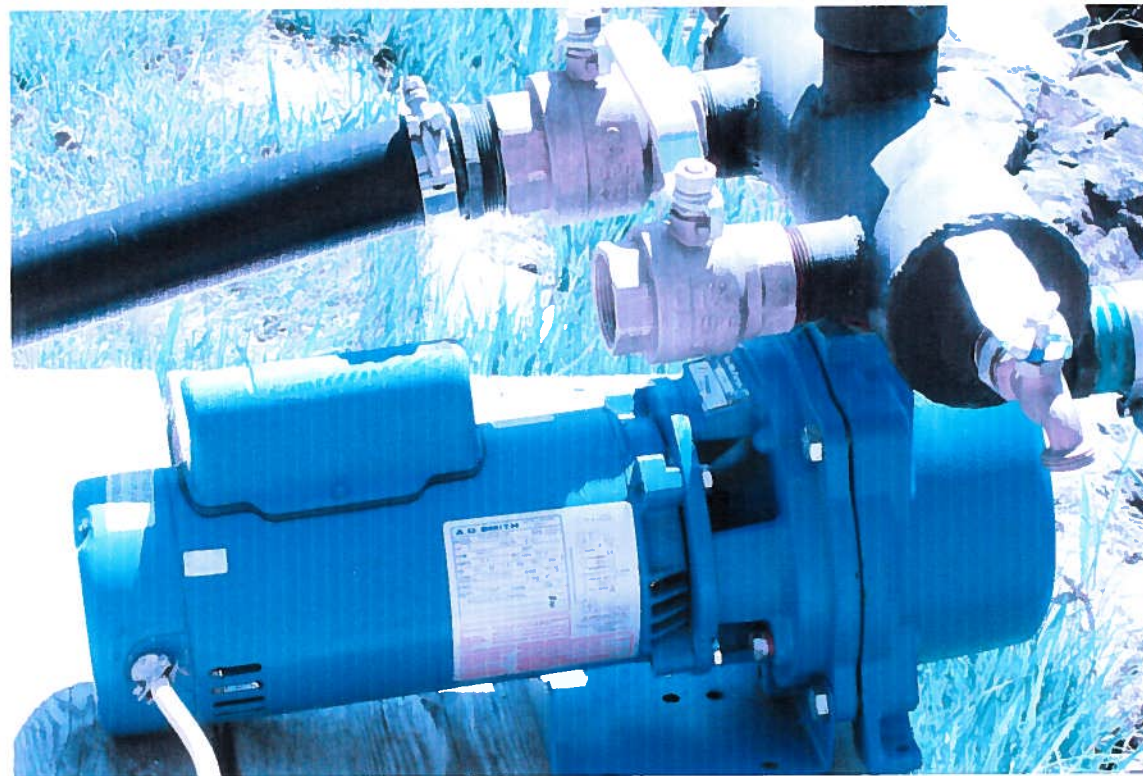
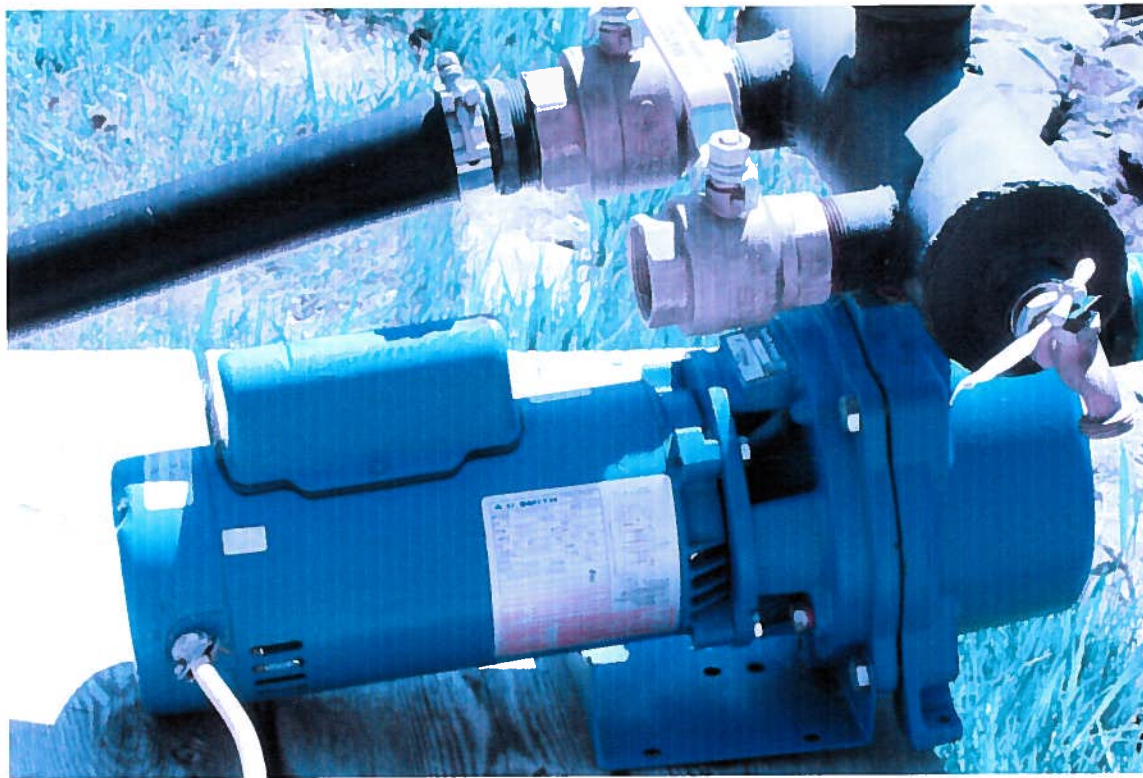


STRAIGHT
LENGTH OF
CONDUIT
↓



LOCK BOX

INSTALLED BY:
FISH & GAME



STRAIGHT
LENGTH CONDUIT →

Pump