



State of Idaho

DEPARTMENT OF WATER RESOURCES

322 East Front Street • P.O. Box 83720 • Boise, Idaho 83720-0098

Phone: (208) 287-4800 • Fax: (208) 287-6700 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

August 6, 2013

ANN BOWES
1060 WALLEN RD
MOSCOW ID 83843

RE: License No. 87-10047

Issuance of License

Dear Water Right Holder(s):

The Department of Water Resources has issued the enclosed Water Right License confirming that a water right has been established in accordance with your permit. Please be sure to thoroughly review the conditions of approval and remarks listed on your license.

The license is a PRELIMINARY ORDER issued by the Department pursuant to section 67-5243, Idaho Code. It can and will become a final order without further action by the Department unless a party petitions for reconsideration or files an exception and/or brief within fourteen (14) days of the service date as described in the enclosed information sheet.

Please note that water right owners are required to report any change of water right ownership and/or mailing address to the Department within 120 days of the change. Failure to report these changes could result in a \$100 late filing fee. Contact any office of the Department or visit the Department's homepage on the Internet to obtain the proper forms and instructions.

If you have any questions, please contact me at 208-287-4916.

Sincerely,

Craig L. Saxton
Water Rights Supervisor

Enclosure(s)

CERTIFICATE OF SERVICE

I hereby certify that on August 7, 2013, I mailed a true and correct copy, postage prepaid, of the foregoing PRELIMINARY ORDER (Approved License) to the person(s) listed below:

RE: WATER RIGHT NO.

87-10047

**ANN BOWES
1060 WALLEN RD
MOSCOW ID 83843**



**Darla Block
Technical Records Specialist**

EXPLANATORY INFORMATION TO ACCOMPANY A PRELIMINARY ORDER

(To be used in connection with actions when a hearing was **not** held)

(Required by Rule of Procedure 730.02)

The accompanying order or approved document is a "Preliminary Order" issued by the department pursuant to section 67-5243, Idaho Code. **It can and will become a final order without further action of the Department of Water Resources ("department") unless a party petitions for reconsideration, files an exception and brief, or requests a hearing as further described below:**

PETITION FOR RECONSIDERATION

Any party may file a petition for reconsideration of a preliminary order with the department within fourteen (14) days of the service date of this order. **Note: the petition must be received by the department within this fourteen (14) day period.** The department will act on a petition for reconsideration within twenty-one (21) days of its receipt, or the petition will be considered denied by operation of law. See Section 67-5243(3) Idaho Code.

EXCEPTIONS AND BRIEFS

Within fourteen (14) days after: (a) the service date of a preliminary order, (b) the service date of a denial of a petition for reconsideration from this preliminary order, or (c) the failure within twenty-one (21) days to grant or deny a petition for reconsideration from this preliminary order, any party may in writing support or take exceptions to any part of a preliminary order and may file briefs in support of the party's position on any issue in the proceeding with the Director. Otherwise, this preliminary order will become a final order of the agency.

REQUEST FOR HEARING

Unless a right to a hearing before the Department or the Water Resource Board is otherwise provided by statute, any person aggrieved by any final decision, determination, order or action of the Director of the Department and who has not previously been afforded an opportunity for a hearing on the matter may request a hearing pursuant to section 42-1701A(3), Idaho Code. A written petition contesting the action of the Director and requesting a hearing shall be filed within fifteen (15) days after receipt of the denial or conditional approval.

ORAL ARGUMENT

If the Director grants a petition to review the preliminary order, the Director shall allow all parties an opportunity to file briefs in support of or taking exceptions to the preliminary order and may schedule oral argument in the matter before issuing a final order. If oral arguments are to be heard, the Director will within a reasonable time period notify each party of the place, date and hour for the argument of the case. Unless the Director orders otherwise, all oral arguments will be heard in Boise, Idaho.

CERTIFICATE OF SERVICE

All exceptions, briefs, requests for oral argument and any other matters filed with the Director in connection with the preliminary order shall be served on all other parties to the proceedings in accordance with IDAPA Rules 37.01.01302 and 37.01.01303 (Rules of Procedure 302 and 303).

FINAL ORDER

The Director will issue a final order within fifty-six (56) days of receipt of the written briefs, oral argument or response to briefs, whichever is later, unless waived by the parties or for good cause shown. The Director may remand the matter for further evidentiary hearings if further factual development of the record is necessary before issuing a final order. The department will serve a copy of the final order on all parties of record.

Section 67-5246(5), Idaho Code, provides as follows:

Unless a different date is stated in a final order, the order is effective fourteen (14) days after its service date if a party has not filed a petition for reconsideration. If a party has filed a petition for reconsideration with the agency head, the final order becomes effective when:

- (a) The petition for reconsideration is disposed of; or
- (b) The petition is deemed denied because the agency head did not dispose of the petition within twenty-one (21) days.

APPEAL OF FINAL ORDER TO DISTRICT COURT

Pursuant to sections 67-5270 and 67-5272, Idaho Code, if this preliminary order becomes final, any party aggrieved by the final order or orders previously issued in this case may appeal the final order and all previously issued orders in this case to district court by filing a petition in the district court of the county in which:

- i. A hearing was held,
- ii. The final agency action was taken,
- iii. The party seeking review of the order resides, or
- iv. The real property or personal property that was the subject of the agency action is located.

The appeal must be filed within twenty-eight (28) days of this preliminary order becoming final. See section 67-5273, Idaho Code. The filing of an appeal to district court does not itself stay the effectiveness or enforcement of the order under appeal.

State of Idaho
Department of Water Resources
Water Right License

WATER RIGHT NO. 87-10047

Priority: August 01, 2006

Maximum Diversion Rate: 0.04 CFS
Maximum Diversion Volume: 0.1 AF

It is hereby certified that ANN BOWES
1060 WALLEN RD
MOSCOW ID 83843 has complied with the terms and conditions of the permit,
issued pursuant to Application for Permit dated August 01, 2006; and has submitted Proof of Beneficial Use on
October 14, 2009. An examination confirms water is diverted from:

SOURCE

UNNAMED STREAM

Tributary: SOUTH FORK PALOUSE RIVER

and a water right has been established as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL DIVERSION VOLUME</u>
FIRE PROTECTION STORAGE	01/01 to 12/31		0.1 AF
STOCKWATER	01/01 to 12/31	0.02 CFS	
STOCKWATER FROM STORAGE	01/01 to 12/31		0.1 AF
STOCKWATER STORAGE	01/01 to 12/31		0.1 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.04 CFS	

LOCATION OF POINT(S) OF DIVERSION:

UNNAMED STREAM NE1/4NW1/4 Sec. 12, Twp 39N, Rge 05W, B.M. LATAH County

PLACE OF USE: FIRE PROTECTION STORAGE, STOCKWATER STORAGE,
STOCKWATER FROM STORAGE, AND STOCKWATER

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
39N	05W	12					X												

CONDITIONS OF APPROVAL

1. This right authorizes the watering of livestock directly from the stream without a diversion.
2. Water shall not be diverted from fire protection storage except to fight or repel an existing fire.

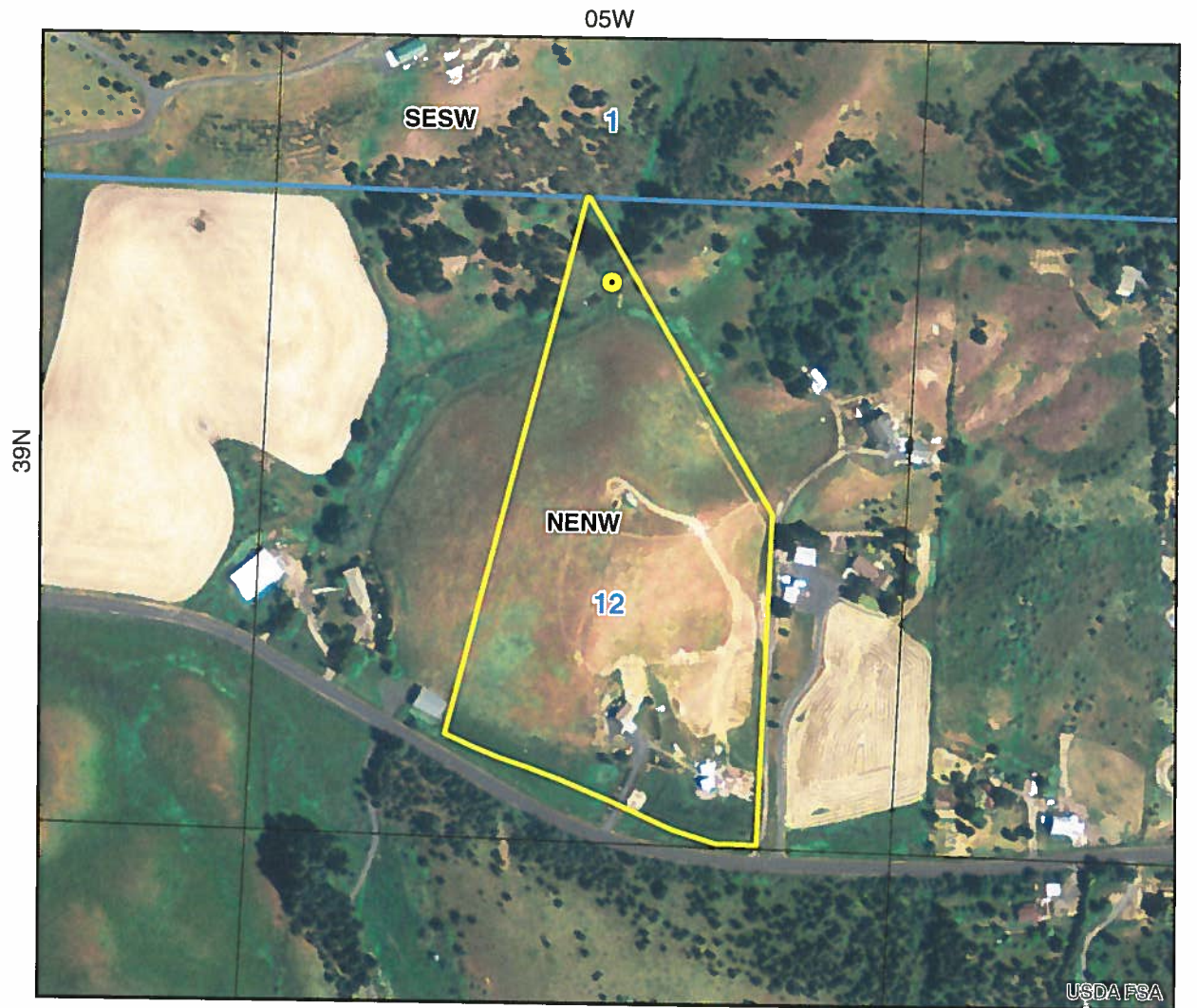
This license is issued pursuant to the provisions of Section 42-219, Idaho Code. The water right confirmed by this license is subject to all prior water rights and shall be used in accordance with Idaho law and applicable rules of the Department of Water Resources.

Signed this 6th day of August, 2013.

Shelley W. Keen
for GARY SPACKMAN
Director

State of Idaho
Department of Water Resources
Attachment To Water Right License
87-10047

This map depicts the STOCKWATER and STOCKWATER FROM STORAGE place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 250 500 1,000 Feet



State of Idaho
Department of Water Resources
Attachment To Water Right License
87-10047

This map depicts the FIRE PROTECTION STORAGE and STOCKWATER STORAGE place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 30 60 120 Feet



STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 87-10047

Exam Date: 7/22/2013

1. Current Owner: ANN BOWES
1060 WALLEN RD
MOSCOW ID 83843
(208)883-5548

2. Accompanied by:

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCE

UNNAMED STREAM

TRIBUTARY

SOUTH FORK PALOUSE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use:
2. Other water rights with the same point of diversion:

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

UNNAMED STREAM NE1/4NW1/4 Sec. 12, Twp 39N, Rge 05W, B.M. LATAH County

Method of Determination: Digitized

2.

PLACE OF USE: 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>
39N	05W	12					X												

DIVERSION TO STORAGE, FIRE PROTECTION STORAGE, STOCKWATER STORAGE, STOCKWATER FROM STORAGE same as STOCKWATER

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.

Well or Diversion
ID No.***Motor Make****Hp****Motor Serial No.****Pump Make****Pump Serial No. or Discharge**
Size

Powerhouse

6

#01091240

Powerhouse

2-inch

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements:

E. FLOW CALCULATIONS

Measured Method:

____ Additional Computation Sheets Attached

Theoretical pump flow rate (using 6 HP, 70% efficiency, 0 feet of lift, and 30 psi):
 $Q = (8.8 \times 6 \times 0.7) / (0 + (30 \times 2.31)) = 0.53 \text{ cfs}$

The diversion rate to be licensed under this right will be limited to 0.02 cfs

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:

Storage reservoir volume = 35' x 25' x 5' = 4,375 cubic feet = 0.1 acre-feet

Fill check: 0.02 cfs x 1.984 = 0.04 AF/day

Reservoir will fill in 2.5 days (greater than 24 hours)

G. NARRATIVE/REMARKS/COMMENTS

This permit was in-office field examined on 07/22/13 by myself, Craig Tesch. This permit authorizes the diversion of surface water to be used for stockwater, fire protection, and storage purposes from an unnamed stream tributary to the South Fork of the Palouse River. This permit authorizes the watering of 150 sheep, both from storage and directly from the stream. According to the application for permit, water is pumped and piped from the stream to a storage reservoir with a capacity of 0.1 acre-feet. Aerial photography confirms the existence of the reservoir near the location of the permitted POD. Reservoir capacity equals the reported value of 0.1 acre-feet (35 feet long by 25 feet wide by 5 feet deep).

The place of use and point of diversion (POD) exist east of Moscow, Idaho, north of Wallen Road. The POD is located near the storage reservoir in the northern portion of the property, approximately 800 feet north of the main house. The storage reservoir is adjacent to the unnamed stream which passes through the northern portion of the property.

The pump in the stream is a Powerhorse from Northern Tools, and has a 6 HP motor per correspondence with the owner. Theoretical pump flow rate was calculated using 6 HP, 70% efficiency, 0 feet of lift, and 30 psi (average of standard domestic and irrigation) resulting in a discharge rate of 0.53 cfs. Pump discharge is greater than the requested diversion rate of 0.04 cfs. Per Table 1, Recommended Diversion Rates for Stockwater, the right should be limited to 0.02 cfs for 100-200 sheep.

No overlapping water rights exist on the place of use. Water right 87-10051 is in the same 40-acre tract and uses the same unnamed stream for stockwater, but is for a different owner on a different tax lot.

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>
FIRE PROTECTION STORAGE	01/01 to 12/31		0.10 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	
STOCKWATER FROM STORAGE	01/01 to 12/31		0.10 AF
STOCKWATER STORAGE	01/01 to 12/31		0.10 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.020 CFS	
<u>Totals:</u>		0.020 CFS	0.10 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 Craig Tusk Date 7/31/2013

Reviewer _____ Date _____

Process	Basin Sequence	Draft	Owner	Source	POD/ POU	NE NE	NW NE	SW NE	SE NE	NE NW	SE NW	SW NW	SE NW	SW SW	SE SW	NE SW	SE SW	NW SE	SW SE	SE SE	Total Acres
Water Permit	87-10047	N	BOWES, ANN	UNNAMED STREAM	POU																0
Water Right	87-10047	Y	BOWES, ANN	UNNAMED STREAM	POU					X											0
Water Permit	87-10051	N	BROWN, WILLIAM D	UNNAMED STREAM	POU					X											0
Water Right	87-10051	Y	BROWN, WILLIAM D	UNNAMED STREAM	POU		X			X											0
Water Right	87-4140	N	RICE, ANNA MARIE	SPRING	POU			1.0													1
Water Right	87-7100	N	SHARP, LEE A; SHARP, ROSE MARIE	GROUND WATER	POU								0.5								0.5
Water Right	87-7112	N	SHARP, LEE A; SHARP, ROSE MARIE	UNNAMED STREAM	POU											X					0

----- Original Message -----

From: Ann

To: Tesch, Craig

Sent: Sunday, July 28, 2013 8:14 PM

Subject: Re: Water Right Permit #87-10047

Hi Craig,

Thanks for contacting me.

The pump I purchased is a Powerhorse from Northern Tools, item # 109270, serial # 01091240. It's a 2" semitrash water pump with a 208 cc, 6 hp engine. Here's a link to the catalog description: http://www.northerntool.com/shop/tools/product_200380122_200380122 I can also take a picture of it and email you that, if you'd like.

The depth of the pond is about 5 feet (from the intake pipe), so I think that works out to about 0.1 acre-feet.

Let me know if you need more information.

Thanks,

Ann Bowes



Powerhorse Semi-Trash Pump — 2in. Ports, 7860 GPH, 5/8in. Solids Capacity, 208cc Powerhorse Engine

Item# 109270

Was \$299.99

Sale \$279⁹⁹

Order Today and Save \$20.00

In Stock Online

Customer Product Rating

★★★★★ 4.6 / 5

21 of 22 would recommend this product to a friend.

Product Summary

With a dependable 208cc Powerhorse® engine and silicon carbide mechanical seals that resist corrosion, wear and heat better than a standard seal, this Powerhorse water pump from Northern Tool gives you the performance you need, when you need it. Features a quality engine and quality parts designed to deliver years of service. Not for sale in California.

What's Included

(1) Water pump

Features + Benefits

Rugged roll cage helps protect the pump + engine

Pump delivers 7,860 GPH with a 98-ft. max head

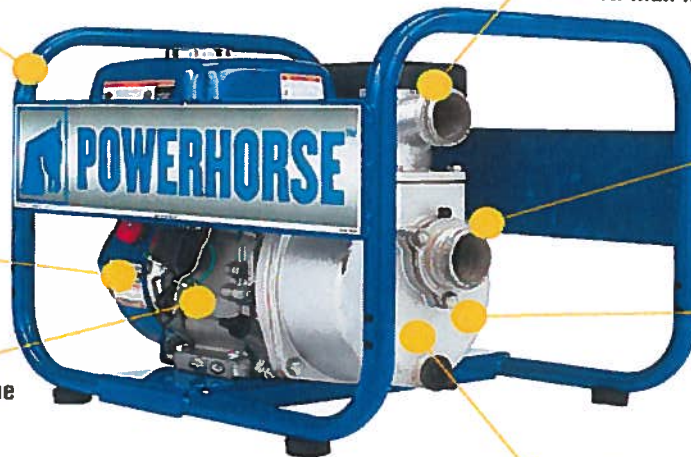
Low-oil shutdown

Silicon carbide seals

208cc Powerhorse engine with cast iron sleeve

5/8in. soft solids capacity

Durable cast iron impeller and volute



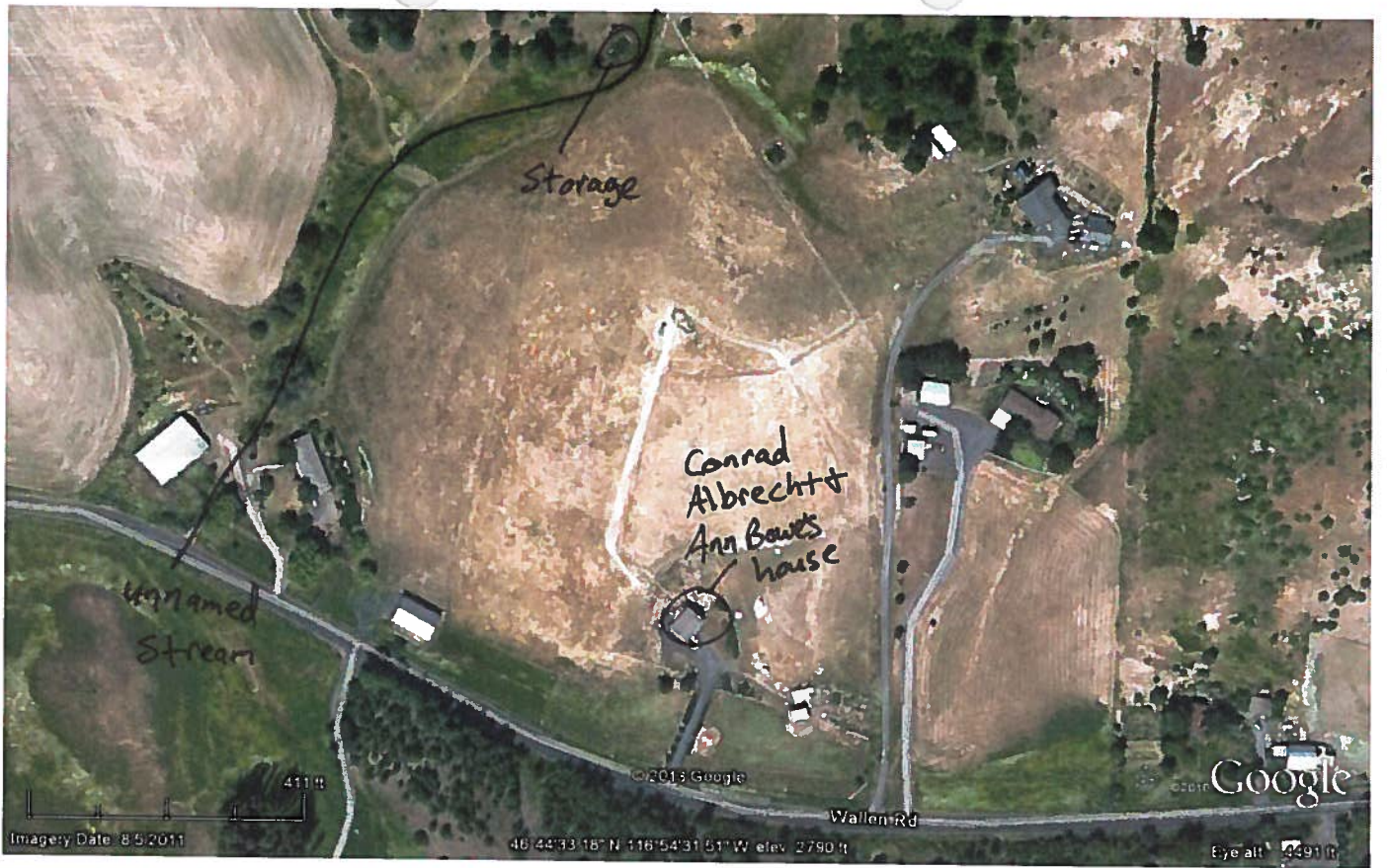
- Dependable 208cc Powerhorse engine
- Rugged roll cage protects pump and engine
- Durable cast iron impeller and volute for longer semi-trash operations
- Low oil shutdown protects engine
- Silicon carbide mechanical seals resist corrosion, wear and heat for a long service life

- Cast iron sleeve
- 5/8in. soft solids capacity
- Pump delivers 7860 GPH with 98ft. max. head
- 2in. suction/discharge ports

Key Specs

Item#	109270
Ship Weight	68.0 lbs
Fits Hose Dia. (in.)	2
Engine Displacement (cc)	208
Flow (GPH)	7,860
Engine	Powerhorse
HP	6
Max. PSI	43 1/2
Suction Port (in.)	2
Discharge Port (in.)	2
Max. Suction Lift (ft.)	23

Max. Total Head (ft.)	98
Solid Handling (in.)	5/8
Seals	Silicon carbide
Impellers	Cast iron
Volute	Cast iron
Max. Fluid Temp. (deg.)	98
Fuel Capacity (gal.)	2 3/4
Run Time	2 hrs.
Low Oil Shutdown	Yes
Dimensions L x W x H (in.)	22 x 18 x 17



NT

