

**CLAIM OF
BENEFICIAL USE
for Surface Water Permits
claiming more than 0.1 cfs**



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.oregon.gov/OWRD

**A fee of \$230 must accompany this form for permits
with priority dates of July 9, 1987, or later.**

A separate form shall be completed for each permit.

In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:
<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

Go to "Resources for Water Right Examiners (CWRE)" Page
<https://www.oregon.gov/OWRD/programs/WaterRights/COBU/Pages/default.aspx>
The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

"Section 8" of this form is intended to aid in the completion of this form and should not be submitted.

If you have questions regarding the completion of this form, please call 503-979-9103.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see
<https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/default.aspx>

**SECTION 1
GENERAL INFORMATION**

1. File Information:

APPLICATION # S-81987	PERMIT # S-53379	PERMIT AMENDMENT # T-
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Revised 7/1/2021

COBU Form Large Surface Water – Page 1 of 14

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2. Property Owner (current owner information):

APPLICANT/BUSINESS NAME Calvin G. Schmidt & Judy A. Schmidt, trustees of the Calvin G. Schmidt Trust dated March 5, 2010 & the Judy A. Schmidt Trust dated March 5, 2010		PHONE NO. 541-659-2711	ADDITIONAL CONTACT NO.
ADDRESS 242 Missouri Flat Rd			
CITY Grants Pass	STATE OR	ZIP 97527	E-MAIL cals@sfvineyards.com

If the current property owner is not the permit holder of record, it is recommended that an assignment be filed with the Department. ***Each*** permit holder of record must sign this form.

3. Permit or holder of record (this may, or may not, be the current property owner):

PERMIT HOLDER OF RECORD Same		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection:

4/17/24

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Calvin Schmidt	4/17/24	Owner

6. County:

Josephine

7. If any property described in the place of use of the permit final order is excluded from this report, identify the owner of record for that property (ORS 537.230(5)):

OWNER OF RECORD Angelina Ybarra (TL 903)		
ADDRESS 1201 Parkmoor Ave #2404		
CITY San Jose	STATE CA	ZIP 95126

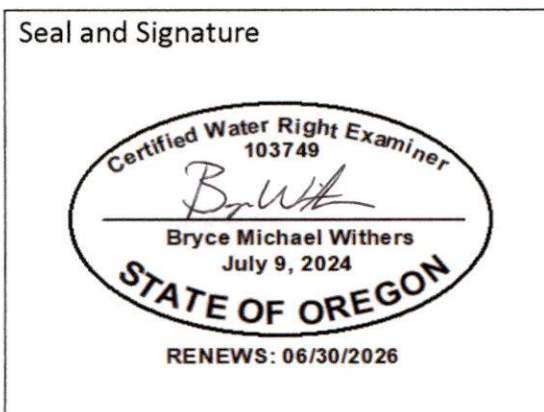
Add additional tables for owners of record as needed

SECTION 2

SIGNATURES

CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.



CWRE NAME Bryce Michael Withers		PHONE NO. 541-408-1400	ADDITIONAL CONTACT NO. John Short 541-389-2837
ADDRESS PO Box 1830			
CITY Bend	STATE OR	ZIP 97709	E-MAIL brycewrs@gmail.com & johnshort@usa.com

Permit Holder of Record Signature or Acknowledgement

Each permit holder of record must sign this form in the space provided below.

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
	Calvin G. Schmidt	Owner	6/25/2025
	Judy A. Schmidt	Owner	6/25/2025

SECTION 3

CLAIM DESCRIPTION

1. Point of diversion name or number:

POINT OF DIVERSION (POD) NAME OR NUMBER (CORRESPOND TO MAP)
POD (Re-Diversion)

2. Point of diversion source and tributary:

POD NAME OR NUMBER	SOURCE	TRIBUTARY
POD	Applegate Lake, Constructed Under Permit R-7810	Rogue River

3. Developed use(s), period of use, and rate for each use:

POD NAME OR NUMBER	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	ACTUAL RATE OR VOLUME USED (CFS, GPM, OR AF)
POD	IR & IS	Grapes, Grass, Pasture	Apr 1 – Oct 31	69.75 AF
Total Quantity of Water Used				69.75 AF

4. Provide a general narrative description of the distribution works. This description must trace the water system from **each** point of diversion to the place of use:

Water is diverted at the North Side Applegate Ditch Diversion on the Applegate River, then flows through the ditch and a by-pass/fish screen to the metered pumping system where water is pumped through a pipeline to a pond (bulge-in-system). From the pond a pump and pipeline delivers water for irrigation using a drip system and two "Big Gun" style portable sprinklers.

Reminder: The map associated with this claim must identify the location of the point(s) of diversion, Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

5. Variations:

Was the use developed differently from what was authorized by the permit, or permit amendment final order? If yes, describe below.

YES NO

(e.g. "The permit allowed three points of diversion. The water user only developed one of the points." or "The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres.")

The water user only developed 5.5 acres of the 10.0 acres permitted for Primary Irrigation, all 10.0 acres of Supplemental Irrigation was developed.

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6. Claim Summary:

POD NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
POD	n/a	0.81 cfs	n/a	IR & IS	20.0	15.5

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SECTION 4

SYSTEM DESCRIPTION

Are there multiple PODs?

YES NO

If "YES" you will need to copy and complete a separate Section 4 for each POD.

POD Name or Number this section describes (only needed if there is more than one):

POD

A. Place of Use

1. Is the right for municipal use?

YES NO

If "YES" the table below may be deleted.

TWP	RNG	MER	SEC	QQ	GLOT	DLC	USE	IF IRRIGATION, # PRIMARY ACRES	IF IRRIGATION, # SUPPLEMENTAL ACRES
37S	5W	W.M.	36	NWNE			IS		3.1
"	"	"	"	NENW			IR & IS	5.5	6.9
Total Acres Irrigated								5.5	10.0

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (GLOT), Quarter Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, GLOT, and QQ.

B. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of diversion to the place of use.

1. Is a pump used?

YES NO

If "NO" items 2 through item 6 may be deleted.

2. Pump Information:

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
DITCH PUMP	BERKELEY	Z1/2ZPL	CENTRIFUGAL		
POND PUMP	BERKELEY	BZ-1/2TPMS	CENTRIFUGAL		

3. Motor Information:

MANUFACTURER	HORSEPOWER
DITCH PUMP – CENTURY	25
POND PUMP – BALDOR	15

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4. Theoretical Pump Capacity:

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
25	40	5'	97'	0.81 CFS
15	40	10'	-5'	0.93 CFS

5. Provide pump calculations:

SEE ATTACHED OWRD PUMP CAPACITY CALCULATIONS.

6. Measured Pump Capacity (using meter if meter was present and system was operating):

INITIAL METER READING	ENDING METER READING	DURATION OF TIME OBSERVED	TOTAL PUMP OUTPUT (IN CFS)
N/A			

Reminder: For pump calculations use the reference information at the end of this document.

7. Is the distribution system piped?

YES NO

If "NO" items 8 through item 13 may be deleted.

8. Mainline Information:

MAINLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND
6"	APPROX. 2200'	ALUMINUM	BURIED
4"	APPROX 1540'	ALUMINUM	BURIED

9. Lateral or Handline Information:

LATERAL OR HANDLINE SIZE	LENGTH	TYPE OF PIPE	BURIED OR ABOVE GROUND

10. Sprinkler Information:

SIZE	OPERATING PSI	SPRINKLER OUTPUT (GPM)	TOTAL NUMBER OF SPRINKLERS	MAXIMUM NUMBER USED	TOTAL SPRINKLER OUTPUT (CFS)
¾"	40	98	2	2	0.44 CFS

Reminder: For sprinkler output determination use the reference information at the end of this document.

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11. Drip Emitter Information:

SIZE	OPERATING PSI	EMITTER OUTPUT (GPM)	TOTAL NUMBER OF EMITTERS	MAXIMUM NUMBER USED	TOTAL EMITTER OUTPUT (CFS)
		0.016	6300	6300	0.23 CFS

12. Drip Tape Information:

DRIPPER SPACING IN INCHES	GPM PER 100 FEET	TOTAL LENGTH OF TAPE	MAXIMUM LENGTH OF TAPE USED	TOTAL TAPE OUTPUT (CFS)	ADDITIONAL INFORMATION

13. Pivot Information:

MANUFACTURER	MAXIMUM WETTED RADIUS	OPERATING PSI	TOTAL PIVOT OUTPUT (GPM)	TOTAL PIVOT OUTPUT (CFS)

C. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)?

YES NO

If "NO", item 2 and 3 relating to this section may be deleted.

If "YES" is it a: Storage Tank
 Bulge in System / Reservoir

YES NO
YES NO

Complete appropriate table(s), unused table may be deleted.

2. Storage Tank:

MATERIAL (CONCRETE, FIBERGLASS, METAL, ETC.)	CAPACITY (IN GALLONS)	ABOVE GROUND OR BURIED

3. Bulge in System / Reservoir:

RESERVOIR NAME OR NUMBER (CORRESPOND TO MAP)	APPROXIMATE DAM HEIGHT	APPROXIMATE CAPACITY (IN ACRE FEET)
POND	N/A EXCAVATED	5

D. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe?

YES NO

If "NO", items 2 through 4 relating to this section may be deleted.

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E. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system?

YES NO

If "NO", items 2 through 4 relating to this section may be deleted.

2. Complete the table:

CANAL OR DITCH TYPE (MATERIAL)	TOP WIDTH OF CANAL OR DITCH	BOTTOM WIDTH OF CANAL OR DITCH	DEPTH	"N" FACTOR	AMOUNT OF FALL	LENGTH OF CANAL / DITCH	SLOPE	COMPUTED RATE (IN CFS)
EARTH	6'	4'	2'	0.03	10'	8500'	.01%	16.7 CFS

3. Provide calculations:

SEE ATTACHED OWRD DITCH CAPACITY CALCULATIONS.

4. If an actual measurement was taken, provide the following:

DATE OF MEASUREMENT	WHO MADE THE MEASUREMENT	MEASUREMENT METHOD	MEASURED QUANTITY OF WATER (IN CFS)
N/A			

Attach measurement notes.

F. Additional notes or comments related to the system:

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SECTION 5 CONDITIONS

All conditions contained in the permit, permit amendment, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Permits and any extension final orders contain any or all of the following dates: the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use was to be completed. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or permit extension of time:

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	4/15/1998		
BEGIN CONSTRUCTION (A)	4/15/1999		
COMPLETE CONSTRUCTION (B)			
COMPLETE APPLICATION OF WATER (C)	10/1/2002	4/15/1998	COMPLETE APPLICATION OF WATER TO BENEFICIAL USE FOLLOWING PERMIT ISSUANCE

* MUST BE WITHIN PERIOD BETWEEN PERMIT OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

2. Is there an extension final order(s)?

YES NO

If "NO", items a and b relating to this section may be deleted.

3. Measurement Conditions:

a. Does the permit, permit amendment, or any extension final order require the installation of a meter or approved measuring device?

YES NO

If "NO", items b through f relating to this section may be deleted.

Reminder: If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of diversion.

b. Has a meter been installed?

YES NO

c. Meter Information

POD NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
Pump Meter	Aclara	81-344-704	OFF	OFF	Prior to Permit Issuance

If a meter has been installed, items d through f relating to this section may be deleted.

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4. Recording and reporting conditions:

a. Is the water user required to report the water use to the Department?

YES NO

If "NO", item b relating to this section may be deleted.

5. Fish Screening:

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion?

YES NO

If "NO", items b through e relating to this section may be deleted.

Reminder: If fish screening devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Has the fish screening been installed?

YES NO

c. When was the fish screening installed?

DATE	BY WHOM
<u>Prior to Permit Issuance</u>	<u>Unknown</u>

Reminder: If the permit was issued on or after February 1, 2011, the fish screen is required to be approved by the Oregon Department of Fish and Wildlife regardless of the rate of diversion.

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d. If the diversion **involves a pump** and the **total** diversion rate of all rights at the point of diversion is less than 225 gpm (0.5 cfs) and the permit was issued prior to February 1, 2011:

- Has the self-certification form previously been submitted to the Department? NA YES NO

If not, go to <https://www.oregon.gov/OWRD/Forms/Pages/default.aspx> complete and attach a copy of the 'ODFW Small Pump Screen Self Certification' form to this claim, and send a copy of it to the Oregon Department of Fish and Wildlife (ODFW).

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. The ODFW self certification form needs to have been previously submitted or be attached to this form.

e. If the diversion does **not involve a pump** or the **total** diversion rate of all rights at the point of diversion is 225 gpm (0.5 cfs) or greater:

- Has the ODFW approval been previously submitted? NA YES NO

If not, contact and work with ODFW to ensure compliance. To demonstrate compliance, provide signed documentation from ODFW. A form is available at:

<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. In order to receive a favorable approval, the ODFW/WRD "Fish Screen Inspection" form needs to have been previously submitted or be attached to this form.

6. By-pass Devices:

a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion? YES NO

If "NO", items b and c relating to this section may be deleted.

Reminder: If by-pass devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Have by-pass devices been installed? YES NO

c. Describe the diversion works as related to whether a by-pass device is installed or unnecessary:

(Provide a letter from ODFW indicating the device is approved or is unnecessary. If there is no letter from ODFW, explain whether or not a by-pass device is necessary.)

DESCRIPTION (E.G. "ODFW HAS APPROVED THE BY-PASS DEVICE" OR "NO BY-PASS DEVICE IS NECESSARY BECAUSE THERE IS A DIRECT DIVERSION FROM THE STREAM VIA A PUMP ON RIVER LEFT STREAM BANK WITH FOOT VALVE DESCENDING DIRECTLY INTO NATURAL POOL.") IN ADDITION, YOU MAY ATTACH PHOTOS TO THIS CLAIM.	IF INSTALLED (DATE)	IF INSTALLED, BY WHOM
ODFW APPROVED	UNKNOWN (PRIOR TO PERMIT ISSUANCE)	UNKNOWN

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7. Other conditions required by permit, permit amendment final order, or extension final order:

- a. Was the water user required to restore the riparian area if it was disturbed? YES NO
- b. Was a fishway required? YES NO
- c. Was submittal of a water management and conservation plan required? YES NO
- d. Other conditions? YES NO

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

Riparian area not disturbed. USBR Contract No. 259E102257 (replacement) on file.

SECTION 6
ATTACHMENTS

Provide a list of any additional documents you are attaching to this report:

ATTACHMENT NAME	DESCRIPTION
<u>CBU MAP</u>	<u>CLAIM OF BENEFICIAL USE MAP</u>
<u>DITCH CALCS</u>	<u>OWRD DITCH CAPACITY CALCULATIONS</u>
<u>PUMP CALCS</u>	<u>OWRD PUMP CAPACITY CALCULATIONS</u>
<u>ODFW LETTER</u>	<u>ODFW FISH SCREEN LETTER</u>

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SECTION 7

CLAIM OF BENEFICIAL USE MAP

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

ON-SITE DIRECT MEASUREMENT AND NAIP IMAGERY.

Map Checklist

Please be sure that the map you submit includes ALL the items listed below.

(Reminder: Incomplete maps and/or claims may be returned.)

- ☒ Map on polyester film
- ☒ Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- ☒ Township, Range, Section, Donation Land Claims, and Government Lots
- ☒ If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- ☒ Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
- ☒ Locations of meters and/or measuring devices in relationship to point of diversion or appropriation
- ☒ Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- ☒ Point(s) of diversion or appropriation (illustrated and coordinates)
- ☒ Tax lot boundaries and numbers
- ☒ Source illustrated if surface water
- ☒ Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- ☒ Application and permit number or transfer number
- ☒ North arrow
- ☒ Legend
- ☒ CWRE stamp and signature

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Oregon

Tina Kotek, Governor

Department of Fish and Wildlife

Rogue Watershed District Office

1495 East Gregory Rd.

Central Point, OR 97502

Phone: 541-826-8774

Fax: 541-826-8776

www.odfw.com



August 29, 2024

Calvin & Judy Schmidt
242 Missouri Flat Rd.
Grants Pass, OR 97527

Dear Calvin,

Regarding OWRD Permit S-53379, ODFW has determined the point-of-diversion to be within the Northside Ditch. Screening and bypass structures are up to current fish protection criteria standards and is maintained by ODFW. This approval is contingent on the following: current conditions remain unchanged, screens are installed so effective screen area is submerged during operation, the screen is regularly inspected and maintained to ensure it remains in working order (including debris removal), and the screen is annually inspected when it is not in use. Thank you.

Sincerely,

Josh Kelsey
Screens and Passage Coordinator
Fish Screening and Passage Program
(541) 857-2424

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Our mission is to protect and enhance Oregon's fish and wildlife and their habitats for use and enjoyment by present and future generations.

Pump Capacity Calculation Sheet		<u>SCHMIDT PUMP AT DITCH</u>			
using Department designed formula:					
(hp)(efficiency) / (lift + psi head) = capacity in cfs					
Efficiency:					
Centrifugal = 6.61					
Turbine = 7.04					
Data Entry (fill in underlined blanks)					
HP =	<u>25</u>				
Efficiency =	<u>6.61</u>				
Lift =	<u>102</u>				
PSI =	<u>40</u>				
Results Calculated					
(hp)(efficiency) =	165.25				
Head based on psi =	101.6				
Total dynamic head =	203.6				
(head + lift)					
Pump Capacity =	0.81	cubic feet per second			

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Pump Capacity Calculation Sheet		<u>SCHMIDT PUMP AT POND</u>			
using Department designed formula:					
(hp)(efficiency) / (lift + psi head) = capacity in cfs					
Efficiency:					
Centrifugal = 6.61					
Turbine = 7.04					
Data Entry (fill in underlined blanks)					
HP = <u>15</u>					
Efficiency = <u>6.61</u>					
Lift = <u>5</u>					
PSI = <u>40</u>					
Results Calculated					
(hp)(efficiency) =		99.15			
Head based on psi =		101.6			
Total dynamic head =		106.6			
(head + lift)					
Pump Capacity =		0.93	cubic feet per second		

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Ditch Capacity Calculator				
using Manning's Formula				
Data Entry (fill in underlined blanks)				
Top Width =	6	feet		
Bottom Width =	4	feet		
Depth =	2	feet		
Fall =	10	feet	per 8500	feet of distance
Grade =	0.001176470 , or		0.1%	
n Factor =	0.03			
Results calculated				
Area of cross-section =	10		square feet	
Wetted Perimeter =	8.472135		feet	
Hydraulic Radius =	1.180339			
Velocity =	1.674		feet per second	
Calculated Ditch Capacity =	16.7		cubic feet per second	

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