

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23860
Exam Date: 06/03/2025

1. Current Owner:
FAULL RANCH ESTATES OWNERS ASSN INC PO BOX 88 HORSESHOE BND ID 83629-0088
2. Accompanied by: Bill Anderson
Phone No: (984) 269-3465
Address: 37 Waverly Dr, Horseshoe Bend, ID
Relationship to permit Holder: Representative for Faull Ranch Estates Owners Association

3. **SOURCE:**
PORTER CREEK

Tributary
PAYETTE RIVER

Method of Determination: Beneficial use exam and Department records.

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
65-23240	PAYETTE RIVER	Irrigation	Decreed
65-23241	PAYETTE RIVER	Irrigation	Decreed
65-12842	PORTER CREEK	Irrigation	License
65-13606	SPRING	Irrigation	License
65-13606	UNNAMED STREAM	Irrigation	License
65-22713	PAYETTE RIVER	Irrigation	License
65-22725	PAYETTE RIVER	Irrigation	License
65-23221	PAYETTE RIVER	Irrigation	Decreed
65-23222	PAYETTE RIVER	Irrigation	Decreed
65-23223	PAYETTE RIVER	Irrigation	Decreed
65-23672	HILL CREEK	Irrigation	License
65-24154	HILL CREEK	Irrigation	Decreed
65-3104B	PORTER CREEK	Irrigation	Decreed
65-3803C	HILL CREEK	Irrigation	Decreed

Comments: 65-23240 overlaps 1 parcel & 65-23241 overlaps the other 5 parcels with Payette R. water.
65-23240, 65-23241, 65-12842, 65-13606, 65-13606, 65-22713, 65-22725, 65-23221, 65-23222, 65-23223, 65-23672, 65-24154, 65-3104B, 65-3803C overlap 07N02E2SESE and 07N02E2SWSE quarter-quarters but not relevant parcels

2. Other water rights with the same point-of-diversion: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
65-13075A	Porter Creek	Irrigation	License
65-12842	Porter Creek	Irrigation	License
65-3104C	Porter Creek	Irrigation	Decreed
65-3104B	Porter Creek	Irrigation	Decreed

Comments: mislocation of points of diversion for water rights 65-3104B and 65-3104C within quarter-quarter all the above rights are diverted from a single diversion point for Faull Ranch Estates

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

PORTER CREEK NW¼ SE¼, Sec. 12, Twp 07N, Rge 02E, B.M. BOISE County

Method of Determination: Field examination, permit, and ArcMap tools with aerial imagery.

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
07N	02E	2													1.5	1.0	11.5	13.0	27.0

Total Acres: 27.0

Method of Determination: Aerial Imagery, ArcMap Tools, and observation during field exam.

3.

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

X 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.

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

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Weir	Cipolletti				2.0 ft crest length	

2. Measurements: Head in feet of flow over a Cipolletti weir converted to cubic feet per second.

The headgate was adjusted several times to observe changes in head on staff gage measurements at the weir and the downstream effects on return flow from the bubbler to the creek. Head measurements were converted to cfs using water measurement calculator for a Cipolletti weir from the Irrigation in the Pacific Northwest website.

$$Q = 3.247LH^{1.48} - \frac{0.566L^{1.9}}{1 + 2L^{1.8}}H^{1.9} + 0.609H^{2.5}$$

Where:

Q = Flow Rate in cfs.

L = Width of the weir crest in feet.

H = Height of the upstream water above the weir crest in feet.

Reference: <https://irrigation.wsu.edu/Content/Calculators/Water-Measurements/Cipolletti-Weir.php>

0.51 ft Head = 2.44 cfs – Total diversion rate of 65-3104B, 65-3104C, & 65-12842

0.53 ft Head = 2.59 cfs – The design limit of system is 2.60 cfs (12" to 10" 80 psi pvc pipeline)

0.60 ft Head = 3.13 cfs – The head gate can easily pass 3.1 to 3.3 cfs, however the system will not take it, and excess water overflows the bubbler screen and returns to Porter Creek.

E. FLOW CALCULATIONS

Measured Method:

X Additional Computation Sheets Attached**F. VOLUME CALCULATIONS**

1. Volume Calculations for irrigation: IDAPA 37.03.02 035.01.i.viii.

The following water uses are exempt from the volume reporting requirement: Irrigation using natural stream flow diverted from a stream or spring.

 $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Faull Ranch Estates Owners Association Inc. is the owner of permit 65-23860 for irrigation in Boise County. The proof of beneficial use was due on 3/1/2029 but submitted on 11/25/2024 with an examination fee of \$100. A field exam was conducted on 6/3/2025. Bill Anderson a resident and representative for Faull Ranch Estates accompanied the water resource agent on the field exam. Faull Ranch Estates Owners Association Inc. is the owner of the water right, however there are six separate parcels owned by five separate landowners which are members of the owners association and recipients of Porter Creek water via permit 65-23860.

The P/U for the irrigated land was subdivided in the mid-1990's. Faull Ranch Estates was formed and related parcels adjoining the subdivision were added later. The subdivision homeowners formed an association to manage water, roads etc. All the water rights for the subdivision are bundled under association ownership, however, there is not a PPU. Faull Ranch is also covered by Payette River water rights 65-22725, 65-22713, 65-23223, 65-2858B, 65-23221, 65-23240, 65-23241. This water begins to be used by the Association after high water recedes in Porter Creek, usually in early July.

Permit 65-23860 sought to cover the six parcels along Hill Creek Road with Porter Creek water during the early part of the irrigation season like the rest of the subdivision. These parcels have access to Payette River rights, however the Payette and Porter Creek water make use of the same pipeline system. Therefore, it is not possible to use both sources at once.

Rights 65-23860, 65-3104B, 65-3104C, 65-13075A, and 65-12842 are all diverted through the same point of diversion. Senior Porter Creek water, 65-3104B and 65-3104C (1883) are limited to land above (east) of the bluff, while junior Porter Creek water, 65-12842 (1988) is restricted to land below (west) of the bluff. The bluff is a bench that runs roughly down a line forming about one third of Faull Ranch to the west and two thirds to the east. Water right 65-13075A (1989) is a junior water right diverted from the Faull Ranch diversion on Porter Creek and delivered through their system to land just south of the subdivision.

A rock check structure in Porter Creek diverts water to a short diversion ditch leading to a waterman slide headgate. Water enters into a 12-inch pipe that daylights into a short section of ditch containing a Cipolletti Weir with a 2.0-foot crest length. Water passing over the weir enters a 3-foot vertical CMP inlet with trash bars to filter large debris. Approximately, 200-feet down from the inlet is another 3-foot vertical CMP containing a bubbler screen which filters out fine debris before entering the 12-inch pipeline. Any water overflowing the bubbler is returned to the stream just above the next diversion for water rights 65-10770 and 65-10771 (Woods/Bledsoe).

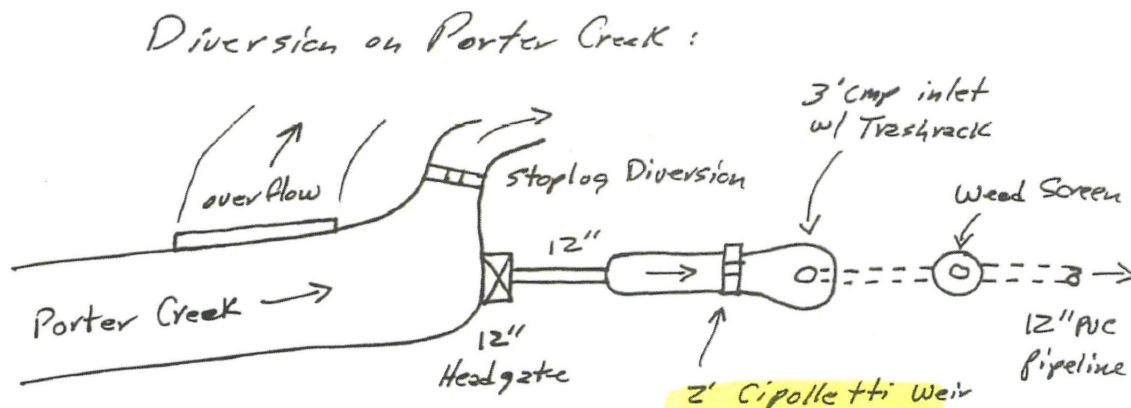


Figure 1. Drawing from Steve Lester field exam.

There is approximately 2,650 ft of 12-inch pipeline from the pipe intake to the diversion for 65-13075A (Miller). The pipeline continues for another 4,223 ft of 10-inch pipeline to the first main shutoff valve. The pipeline continues for another 4,000 ft to

the vault on the Payette River. There is approximately 5,000 ft of pipeline from the vault to end of the pipeline for the last parcel for Hill Creek Road. When available Porter Creek water is delivered to the vault on the Payette River where it is diverted into the shared Faull Ranch system (see Daniel Nelson Memorandum, July 20, 2016 in Porter Creek backfiles). The entire system from Porter Creek operates from gravity pressure to push the water back up hill to water users.

A 1997 exam (Dan Tomich) documented a design capacity of the system at 2.60 cfs based on NRCS design specifications (see Attachment B for 65-12842 exam, 1993). The system capacity is 2.60 cfs, which measures between 0.53 and 0.54 ft. of head over the weir on the staff gage.

To determine the size of the place of use driveways, outbuildings, dry corrals and houses were removed from the acre calculation. There was a total of 27 acres found to be irrigated. I recommend a 27-acre place of use.

Initially permit 65-23860 was protested, however after a settlement conference the protest was withdrawn with the following stipulation: "that the total authorized diversion under this permit, when used in combination with existing water rights 65-31048, 65-3104C, and 65-12842 does not exceed 2.44 cfs (the total diversion rate under Faull Ranch's existing Porter Creek water rights)." The permit was conditioned with the following "Rights 65-23860, 65-3104B, 65-3104C, and 65-12842 are not allowed to exceed a total diversion rate of 2.44 cfs." During the field exam the headgate was adjusted several times to observe changes in head on staff gage measurements at the Cipolletti weir and the downstream effects on return flow from the bubbler to the creek. Head measurements were converted to cfs. The NRCS design limit given the 12-inch to 10-inch 80 psi pvc pipeline is 2.60 cfs (0.527 ft Head or 6-1/3" over weir crest). The total diversion rate of 65-3104B, 65-3104C, & 65-12842 is 2.44 cfs which is 0.51 feet on the staff gage (6-1/8" over weir crest). I am recommending the beneficial use rate of 0.54 cfs not to exceed the stipulated limit of 2.44 cfs when combined with 65-3104B, 65-3104C, & 65-12842.

Condition 121 was updated to 103 as per department licensing standards. Replaced O1J with R43.

Water Right #	Priority Date	Current Owner	Water Right Rate (CFS)	Reduction Rate x Priority	Staff Gage Head in ft. (H)	Height above weir crest, inches
65-23860	2020	FAULL RANCH ESTATES	0.54	----	----	----
65-13075A	1989	MILLER, ROGER	0.12	2.56	0.53	6-3/8"
65-12842	1988	FAULL RANCH ESTATES	0.84	2.44	0.51	6-1/8"
65-3104C	1883	FAULL RANCH ESTATES	0.07	1.60	0.39	4-11/16"
65-3104B	1883	FAULL RANCH ESTATES	1.53	1.53	0.37	4-7/16"

Total 3.10

Table1. The effect of 65-23860 on the reduction in rate by priority date for water rights delivered through Faull Ranch diversion.

Note: 65-13075A (Miller) and 65-12842 (Faull Ranch) are both licensed water rights while 65-3104B and 65-3104C are decreed rights. There is not a digital backfile record for the licensing of 65-13075A (Miller), however Lester makes reference to a 1997 field exam for 65-13075A by Dan Tomich. There is a backfile for 65-12842 (Faull Ranch). A field exam was conducted on 5/27/1993 for water right 65-12842 and a beneficial use field report was signed by Steve Lester on 8/30/2005, however the licensing date is 5/16/2014. This report gives further information concerning the NRCS design specifications for a system capacity of 2.60 cfs, when the original ditch was replaced with 12 and 10-inch pvc pipe in 1996-1997.

References:

Irrigation in the Pacific Northwest. 2026. Washington State University Extension. Prosser WA. <https://irrigation.wsu.edu>

Larsen, D.C. 1976. Bulletin no. 552: Water measurement. University of Idaho, College of Agriculture. Moscow, Idaho. 43 p.

Lester, Steve. 1991. Porter Creek Water District: History, Conflicts and Road to Resolution. 1991 Technical Conference Proceedings. Resources Administration Division. State of Idaho Department of Water Resources.

Lester, Steve. 2005. Beneficial Use Field Report for Water Right 65-12842 Faull Ranch Estates Owners Association Inc. State of Idaho Department of Water Resources.

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

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	<u>Volume</u>
IRRIGATION	03/15 to 10/31	0.54 CFS	

Totals: 0.54 CFS

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

I. AUTHENTICATION

Allen Bradbury - Water Resource Agent, Senior

Field Examiner's Name

Allen Bradbury

Date

2/26/26

Reviewer

[Signature]

Date

2/27/26

Irrigation in the Pacific Northwest

Washington State University Extension Oregon State University Extension University of Idaho Extension

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 - Irrigation Management Calculators
 - Drip
 - Sprinkler
 - Center Pivot
 - Residential
 - General Design Calculators
 - Water Measurement Calculators
 - Cipolletti (Trapezoidal) Weir
 - 90° Triangular Notch Weir
 - Parshall Flume
 - Rectangular Contracted Weir
 - Rectangular Submerged Orifices
 - Trapezoidal Flume
 - Vertical Pipes
- Chemigation
- FAQs & Tutorials
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Cipolletti (Trapezoidal) Weir

This calculates the flow rate over a Cipolletti weir, a commonly used weir in many irrigation districts. The weir opening has a flat, level bottom and the sides that have a particular slope. The water before the weir should be held in a relatively calm and smooth pool. There should be air (not trapped) underneath the water leaving the weir. The Length is the bottom width of the weir. The height is measured from the bottom of the weir opening to the top of the water level ponded behind the weir (not the water level right as it leaves the weir). [Learn more about the units used on this page.](#)

Length:

2ft

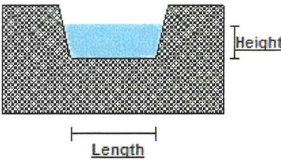
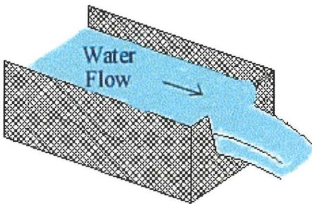
Height:

6.13in

Calculate

Flow Rate:

2.44cfs



* Note: 1 point = 1/100 ft.

The Equation

The equation to determine the flow rate (Q) for a Cipolletti (Trapezoidal) Weir is:

$$Q = 3.247LH^{1.48} - \frac{0.566L^{1.9}}{1 + 2L^{1.8}}H^{1.9} + 0.609H^{2.5}$$

Where:

Q = Flow Rate in cfs.

L = Width of the weir crest in feet.

H = Height of the upstream water above the weir crest in feet.

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Washington State University Extension Oregon State University Extension University of Idaho Extension

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Length:

2ft

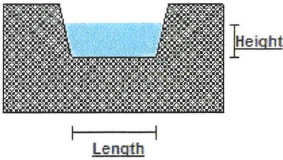
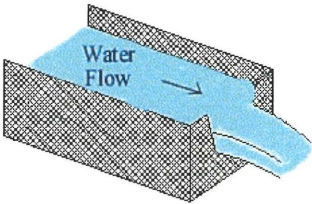
Height:

.51ft

Calculate

Flow Rate:

2.44cfs



* Note: 1 point = 1/100 ft.

The Equation

The equation to determine the flow rate (Q) for a Cipolletti (Trapezoidal) Weir is:

$$Q = 3.247LH^{1.48} - \frac{0.566L^{1.9}}{1 + 2L^{1.8}}H^{1.9} + 0.609H^{2.5}$$

Where:

Q = Flow Rate in cfs.

L = Width of the weir crest in feet.

H = Height of the upstream water above the weir crest in feet.

RECEIVED

DEC 23 2023

WATER RESOURCES
WESTERN REGION

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

WITHDRAWAL OF PROTEST

Application for ☐ Transfer ☒ Permit ☐ Amendment of Permit No. 65-23860

In the Name of Faull Ranch Estates Owners Association Inc
Applicant

Name of Protestant: Cliff Bledsoe

Represented by: Jan and/or Levi Bledsoe

I hereby withdraw my protest to the above referenced matter. All of my issues of protest have been addressed and/or resolved.

☐ My withdrawal is not conditional.

Or

☒ My withdrawal is conditioned on the following:

I withdraw the protest provided any permit and license is conditioned such that the total authorized diversion under this permit, when used in combination with existing water rights 65-3104B, 65-3104C, and 65-12842 does not exceed 2.44 cfs (the total diversion rate under Faull Ranch's existing Porter Creek water rights).

Robert L Walker Robert L Walker President FREOA
12-23-23
Jan Bledsoe per atty 12-23-23
Signature of Protestor or Representative Title Date
Jan Bledsoe

Steve

O & D Partnership Pipeline

Designed and Constructed by (USDA)
Natural Resources Conservation Service,
Emmett office :

Design Flow : $Q = 128 \text{ M.I.} = 2.60 \text{ cfs}$

Pipe installed : 2650' 12" 80 psi PVC

4223' 10" 80 psi PVC

Total 6873'

Water Rights Served :

Roger Miller

, 65-13075A, P, 6/23/89, 0.12 cfs

Steve Dobson / Tom Oliver

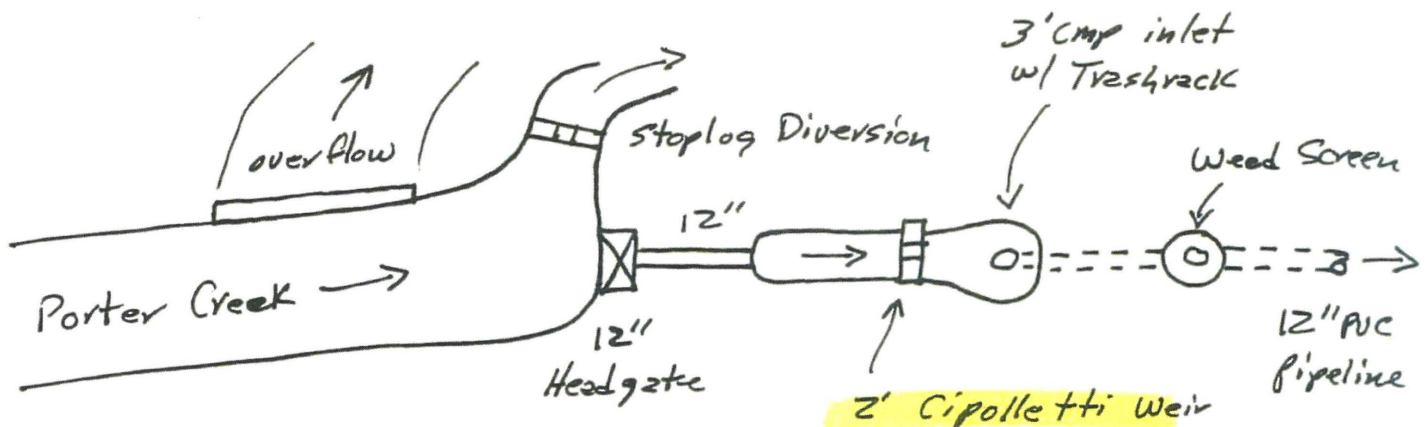
, 65-12842, P, 5/16/88, 0.84 cfs

S. Dobson / T. Oliver / A. Wolfgram, 65-03104, D, 1/1/1883, 1.60 cfs

now

Total 2.56 cfs

Diversion on Porter Creek :



Exam 65-12842 ATTACHMENT B

on 7-14-97, $H = 0.52'$

$Q = 2.52 \text{ cfs}$

Installed : 2650' 12" 80 psi PVC
 4223' 10" 80 psi PVC
 6873'

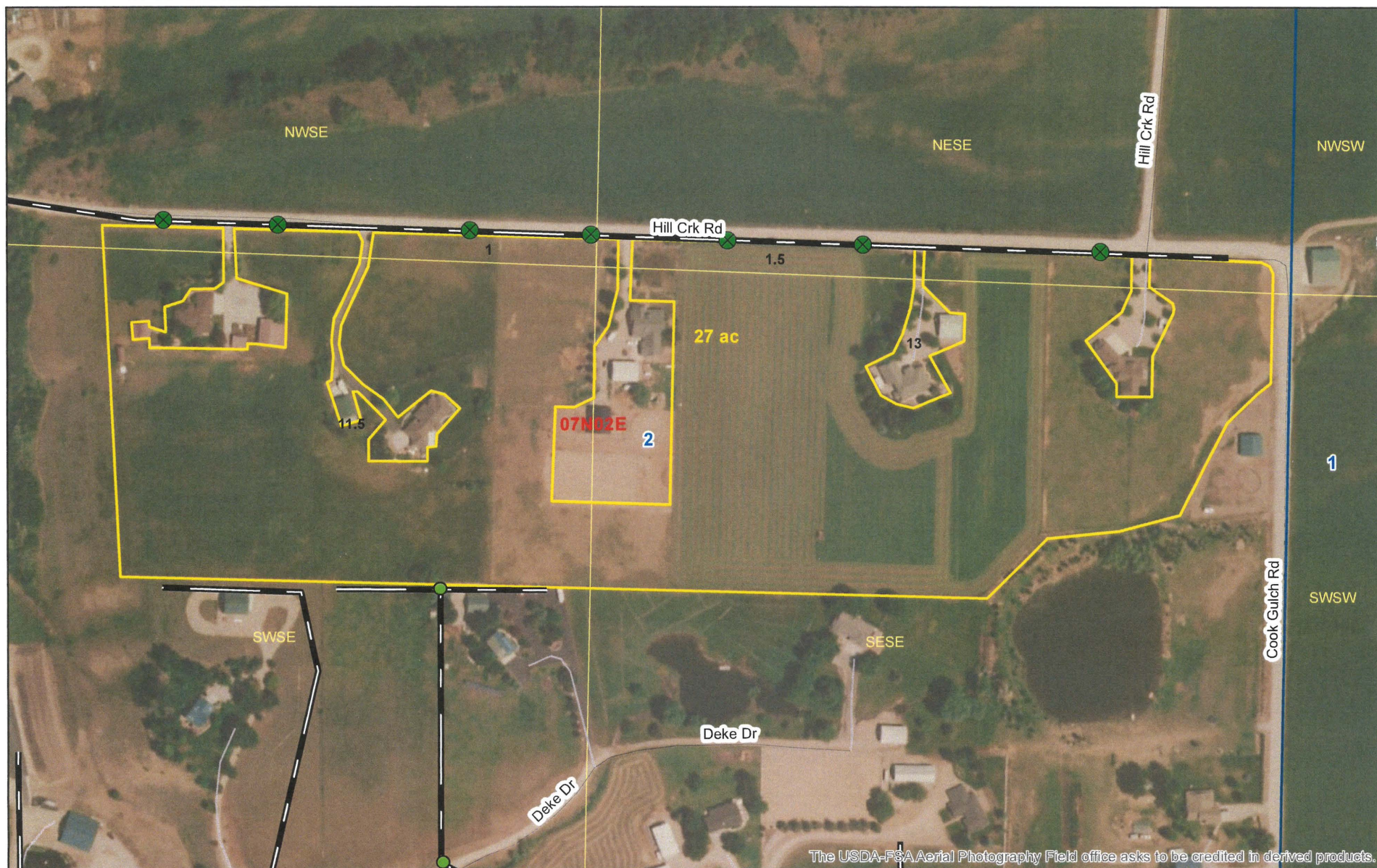
NOTES:

1. Construction shall be in accordance with construction specifications ID-430-DD and 587-D.
2. It is the landowner's or operators responsibility to locate and protect all public utilities (above ground and overhead) prior to construction.
3. It is the landowner's responsibility to obtain all necessary easements and/or permits prior to construction.
4. Design Q = 128 M.I. = 2.6 cfs.
5. All pipeline extending under roadways shall be 125 psi. min.

LIST OF MATERIALS

STATION	ITEM	QUANTITY
0+00	CMP Inlet Structure (See pg. 2)	1
0+00 - 1+00	12"-dia. PIP, PVC, 80 psi	100 ft.
1+00	Turbulent Ftn. Structure (See pg. 2)	1
1+00 - 30+80	12"-dia. PIP, PVC, 80 psi.	2,980 ft.
30+80	12" - 10" PVC Reducer	1
30+80 - 51+50	10"-dia. PIP, PVC, 80 psi.	2,070 ft.
51+50 - 61+50	10"-dia. PIP, PVC, 100 psi.	1,000 ft.
0+00, 1+00	Concrete Base for Structures	1 cu. yd. ea.
Bends, Tees, Reducers	Concrete Thrustblocks	0.1 cu. yds. ea.
18+00, 29+00, 40+00, 51+60, 61+50	2" Waterman CRP-8 Air Vacuum Relief Valves or Equivalent	5
61+50	4" Waterman AA-96 Pressure Relief Valves or Equivalent (Set to crack @ 50 psi.)	2
61+50	10"-In-Line Valve	1
JOB	Misc. Fittings	----

65-23860 Place of Use
 Faull Ranch Estates Home Owners Assn. Inc.

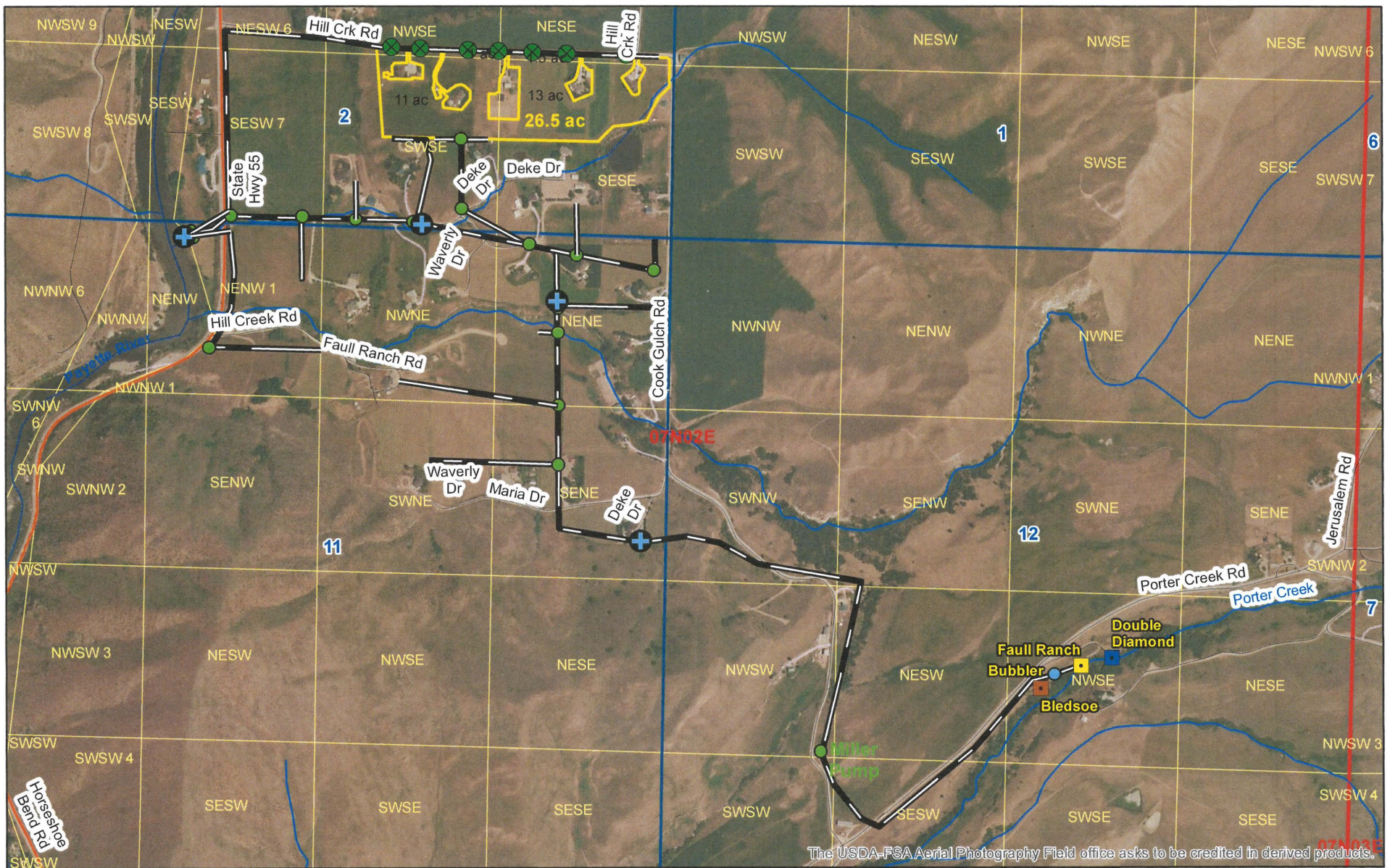


The USDA-FSA Aerial Photography Field office asks to be credited in derived products.

- Parcel Stubouts
- Branch Shutoffs
- Main Shutoffs
- Irrigation Pipeline
- Acres Irrigated

0 0.075 0.15 Miles
 1:3,000 1 in = 0.05 miles

65-23860 System Design
 Faull Ranch Estates Home Owners Assn. Inc.



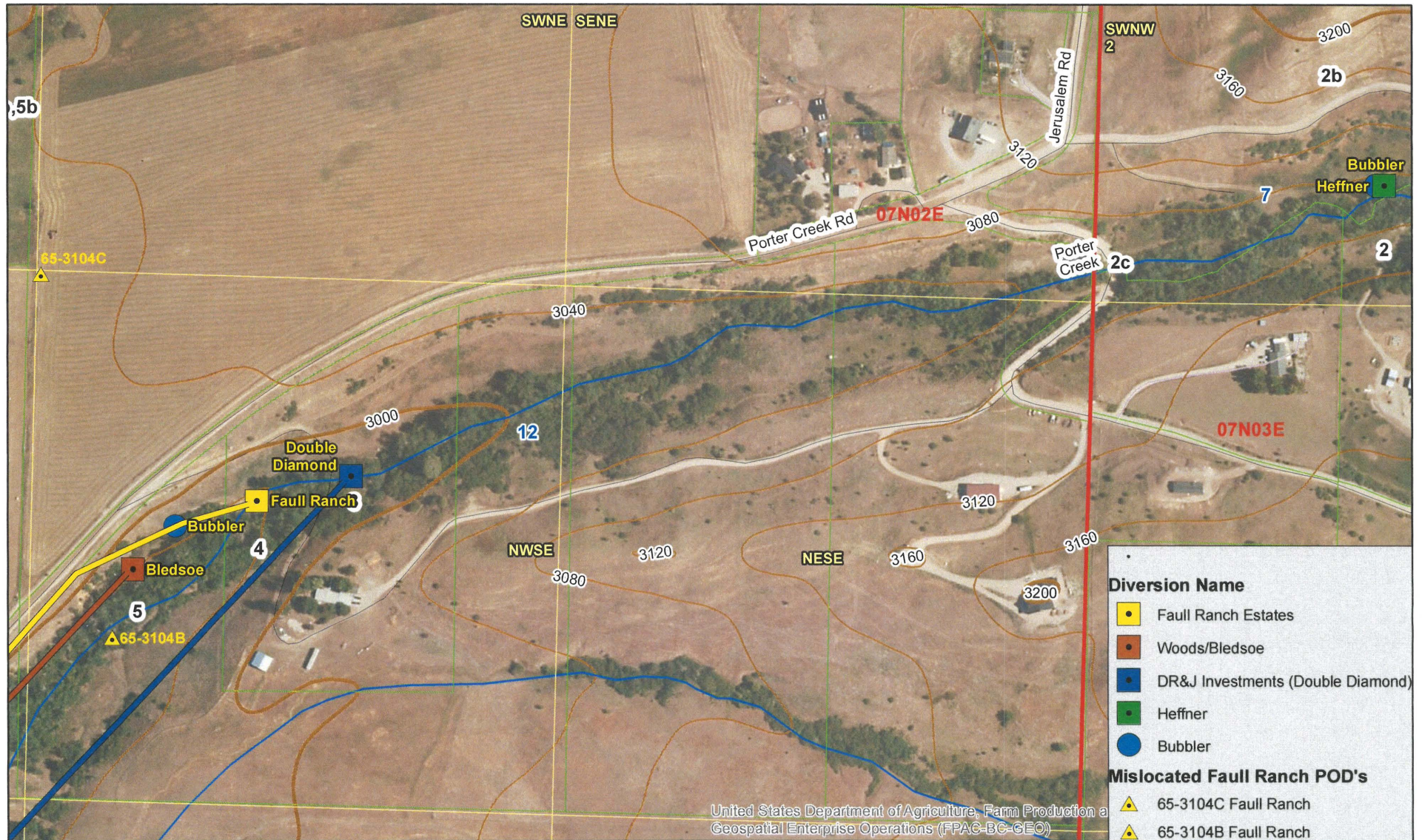
The USDA-FSA Aerial Photography Field office asks to be credited in derived products.

- Parcel Stubouts + Main Shutoffs Point of Diversion
- Branch Shutoffs Irrigation Pipeline Place of Use

0 0.25 0.5 Miles

1:12,000 1 in = 0.19 miles

Points of Diversion from Porter Creek and Water Rights Diverted Through Faull Ranch Estates Diversion



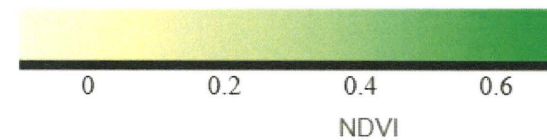
WR#	Owner	Basis	Priority	Rate	Acres
65-23860	FAULL RANCH ESTATES OAI	License	2/24/2020	0.53	26.5
65-13075A	ROGER MILLER	License	6/23/1989	0.12	6.0
65-12842	FAULL RANCH ESTATES OAI	License	5/16/1988	0.84	42.0
65-3104C	FAULL RANCH ESTATES OAI	Decreed	1/1/1883	0.07	4.0
65-3104B	FAULL RANCH ESTATES OAI	Decreed	1/1/1883	1.53	86.0
Totals				3.09	164.5

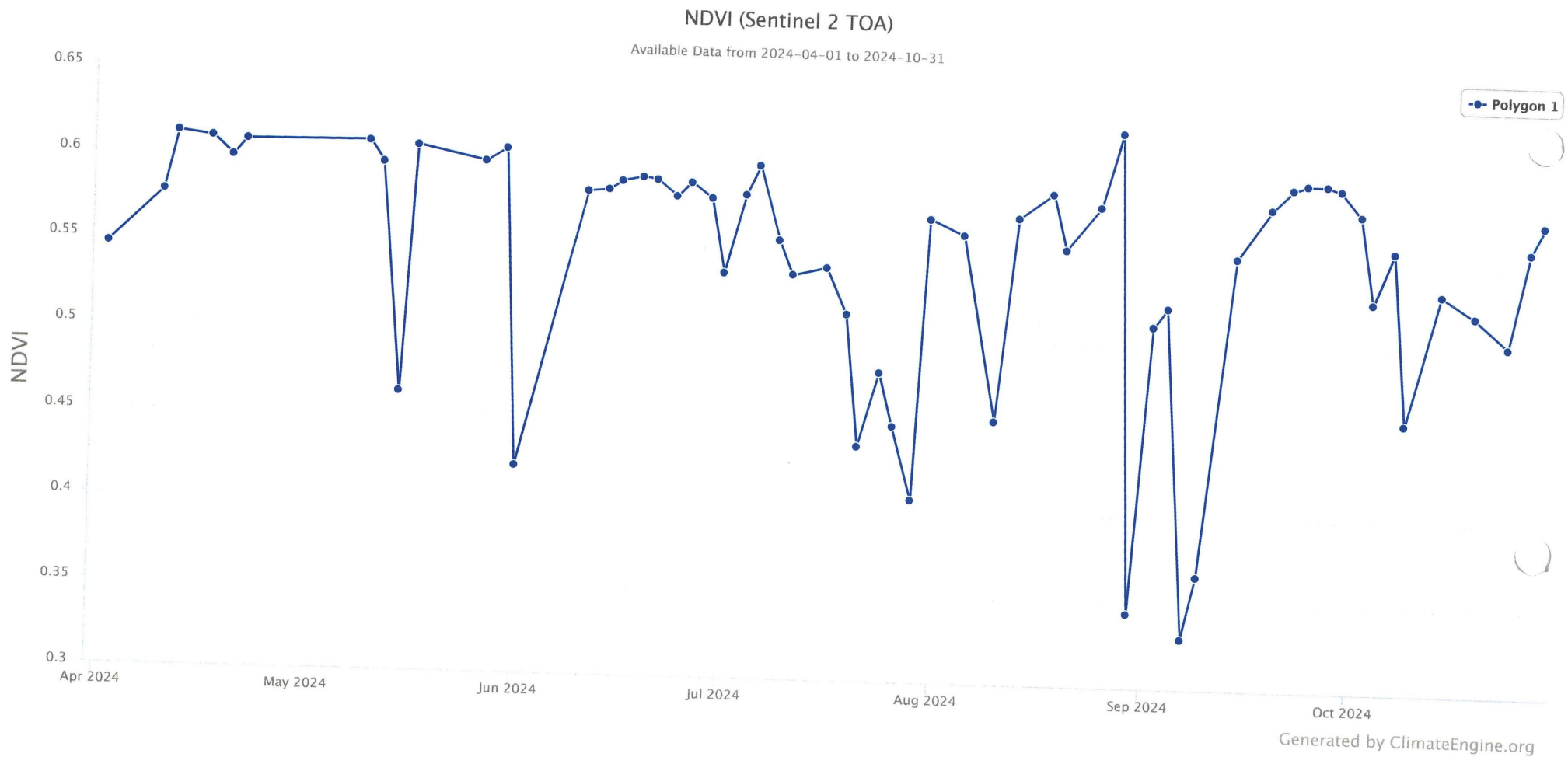
0 0.05 0.1 0.2 Miles

1 inch = 0.06 miles
1:4,000

NDVI (Sentinel 2 TOA)

2024-04-01 to 2024-10-31, Maximum





07N02E2 65-23860 Overlap Analysis - POU

Process	WR#	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Acres
Water Permit	65-23860	FAULL RANCH ESTATES OWNERS ASSN INC	PORTER CREEK	IRRIGATION													1.5	1.5	15	15	33
Water Right	65-23240	O & D PARTNERSHIP	PAYETTE RIVER	IRRIGATION													1			5.2	6.2
Water Right	65-23241	FAULL RANCH ESTATES OWNERS ASSN INC	PAYETTE RIVER	IRRIGATION													2	1.4	10	10	23.4
Water Right	65-23221	FAULL RANCH ESTATES OWNERS ASSN INC	PAYETTE RIVER	IRRIGATION															1	13	14
Water Right	65-23223	FAULL RANCH ESTATES OWNERS ASSN INC	PAYETTE RIVER	IRRIGATION															17	20	37
Water Right	65-22713	FAULL RANCH ESTATES OWNERS ASSN INC	PAYETTE RIVER	IRRIGATION															5		5
Water Right	65-22725	FAULL RANCH ESTATES OWNERS ASSN INC	PAYETTE RIVER	IRRIGATION															3.7		3.7
Water Right	65-3104B	FAULL RANCH ESTATES OWNERS ASSN INC	PORTER CREEK	IRRIGATION															2	9	11
Water Right	65-12842	FAULL RANCH ESTATES OWNERS ASSN INC	PORTER CREEK	IRRIGATION												14			3.2		17.2
Water Right	65-24154	CHRISTMAS, ANTHONY	HILL CREEK	IRRIGATION															5.9		5.9
Water Right	65-3803C	FAULL RANCH ESTATES OWNERS ASSN INC	HILL CREEK	IRRIGATION															9.1	9	18.1
Water Right	65-13606	THE OELSCHLEGAL LIVING TRUST	SPRING	IRRIGATION															1		1
Water Right	65-13606	THE OELSCHLEGAL LIVING TRUST	UNNAMED STREAM	IRRIGATION															1		1
Water Right	65-3944	THE OELSCHLEGAL LIVING TRUST	SPRING	DOMESTIC															X		
Water Right	65-23672	SZURGOT, BARBARA; SZURGOT, LARRY	HILL CREEK	IRRIGATION FROM STORAGE																3	3
Water Right	65-23672	SZURGOT, BARBARA; SZURGOT, LARRY	HILL CREEK	IRRIGATION STORAGE																X	
Water Right	65-23222	HEFFNER, AMY; HEFFNER, RANDY R	PAYETTE RIVER	IRRIGATION												13			3		16
Water Right	65-10858	HEROLD, BETH ANN; HEROLD, GORDON L	HILL CREEK	IRRIGATION														3			3
Water Right	65-3803B	HEFFNER, AMY; HEFFNER, RANDY R	HILL CREEK	IRRIGATION	4	4	28	39									32	26			133
Water Right	65-23676	HEFFNER, AMY; HEFFNER, RANDY R	PAYETTE RIVER	IRRIGATION									3.1			11.1		1	4.2		19.4
Water Right	65-7833	HEFFNER, AMY; HEFFNER, RANDY R	PAYETTE RIVER	IRRIGATION	2		25	40									15	20			102
Water Permit	65-23490	HEFFNER, AMY; HEFFNER, RANDY R	HILL CREEK	IRRIGATION	30	20			25	21		14									110
Water Right	65-23490	HEFFNER, AMY; HEFFNER, RANDY R	HILL CREEK	IRRIGATION	29	1			26	13		32									101
Water Right	65-23220	HEFFNER, AMY; HEFFNER, RANDY R	PAYETTE RIVER	IRRIGATION												11					11
Water Permit	65-23276	HEFFNER, AMY; HEFFNER, RANDY R	PAYETTE RIVER	IRRIGATION	15																15
Water Right	65-9417B	HEFFNER, AMY; HEFFNER, RANDY R	PAYETTE RIVER	IRRIGATION					2			23	19								44
Water Permit	65-22630	HEFFNER, RANDY R	PAYETTE RIVER	IRRIGATION		20			6	6		3									35
		PLACE OF USE OVERLAPS WITH PAYETTE RIVER RIGHTS ON RELEVANT PARCELS																			
		FAULL RANCH WATER RIGHTS OVERLAPPING SAME QQ																			
		OTHER WATER RIGHTS OVERLAPPING SAME QQ																			

07N02E12 65-23860 Overlap Analysis - POD

Process	WR#	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Acres
Water Permit	65-23860	FAULL RANCH ESTATES OWNERS ASSN INC	PORTER CREEK															X			
Water Right	65-3104C	FAULL RANCH ESTATES OWNERS ASSN INC	PORTER CREEK															X			
Water Right	65-3104B	FAULL RANCH ESTATES OWNERS ASSN INC	PORTER CREEK															X			
Water Right	65-12842	FAULL RANCH ESTATES OWNERS ASSN INC	PORTER CREEK															X			
Water Right	65-13075A	MILLER, ROGER	PORTER CREEK															X			
Water Right	65-22775	D R & J INVESTMENTS LTD PARTNERSHIP (DOUBLE DIAMOND)	PORTER CREEK															X			
Water Right	65-10746	D R & J INVESTMENTS LTD PARTNERSHIP (DOUBLE DIAMOND)	PORTER CREEK															X			
Water Right	65-22778	RUMSEY, SUSAN K; THE SCORPIUS TRUST	PORTER CREEK															X			
Water Right	65-22329	BELLOCCHI III, THEODORE C; BELLOCCHI	PORTER CREEK															X			
Water Right	65-22777	BELLOCCHI III, THEODORE C; BELLOCCHI	PORTER CREEK															X			
Water Right	65-22328	HEFFNER, AMY; HEFFNER, RANDY R	PORTER CREEK															X			
Water Right	65-22330	HEFFNER, AMY; HEFFNER, RANDY R	PORTER CREEK															X			
Water Permit	65-22633	HEFFNER, AMY; HEFFNER, RANDY R	PORTER CREEK													X		X			
Water Permit	65-23277	HEFFNER, AMY; HEFFNER, RANDY R	PORTER CREEK															X			
Water Right	65-10770	PAULINE M WOODS TRUST; WOODS, ARLIE L	PORTER CREEK															X			
Water Right	65-10771	PAULINE M WOODS TRUST; WOODS, ARLIE L	PORTER CREEK															X			

WATER RIGHTS WITH SAME POINTS OF DIVERSION

	FAULL RANCH ESTATES OWNERS ASSN INC DIVERSION
	D R & J INVESTMENTS (DOUBLE DIAMOND RANCH) & RUMSEY DIVERSIONS
	HEFFNER & BELLOCCHI DIVERSIONS
	WOODS (BLEDSOE) DIVERSION



Figure 1.
Diversion dam on
Porter Creek.



Figure 2. A
lockable
controllable
Waterman
headgate at the
diversion point
from Porter Creek
leads to the
measurement weir
and pipeline
headworks.



Figure 3. The Cipolletti or Trapezoidal Weir in the Faull Ranch diversion ditch has a 2.0 ft crest.



Figure 4. A staff gage on the side of the Cipolletti weir measure the depth of water over the crest of the weir.



Figure 5. Bubbler screens trash before entry into mainline.



Figure 6. The outlet pipe for the bubbler carries any excess water immediately back to Porter Creek just upstream of the next Porter Creek Diversion for Woods/Bledsoe.



Figure 7. This shutoff valve located at 15 Maria Drive which is approximately 5,700 feet from the POD and turns off the entire mainline to Faull Ranch.

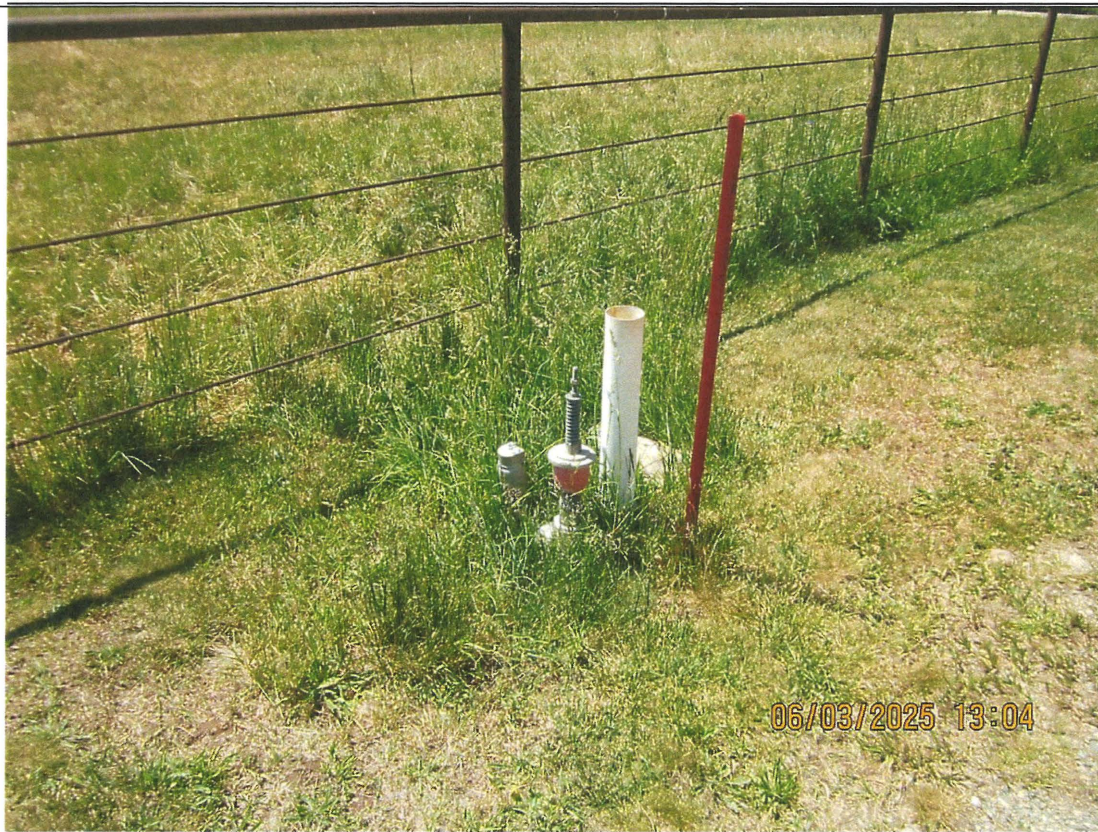


Figure 8. Pressure relief valve at the end of the pipeline located near the intersection of Hill Creek Road and Cook Gulch Road.



Figure 9.
Sprinkler
irrigation at 48
Hill Creek Road.



Figure 10. Stubb
valve to 48 Hill
Creek Road.



Figure 11. Stubb
valve and
irrigation at 48
Hill Creek Road.



Figure 12. Stubb
valve and
irrigation at 38
Hill Creek Road.



Figure 13. Stubb valve and irrigation at 26 Hill Creek Road.



Figure 14. Stubb valve and irrigation at 22 Hill Creek Road.



Figure 15. Stubb valve and irrigation at 22 Hill Creek Road.



Figure 14. Porter Creek water is gravity fed to vault and pushed by gravity pressure back up to Faull Ranch Estates.



Figure 15. The Line on the right heads to the Hill Road parcels.



Figure 16. Pressure gage on pipe going to Hill Road and lockable controllable valve.