



IDAHO DEPARTMENT OF WATER RESOURCES

SNAKE RIVER BASIN ADJUDICATION - BASIN 29



RIGHT ID 29 11419

POD ID 205600

Quad Downey West

Claim Type L

Easting 652632

Northing 156904

GPSID A0012561 *wrong*

Diversion Description

Washed out headwall in vicinity of claim.
Appears to have been intended to capture water from a spring for diversion into canal. POD does not currently flow.

*CULVERT ACROSS CANAL TO PASTURE
IS FROM YAGO CREEK*

Assumptions

Slope of 0.1%. Assume full stream diverted through 4 inch pipe, thence to canal. Assume pipe runs full when in use.

Invoice #

Phase-0 (No Attention)
Phase-I (Ready to Go to Field)
Phase-II (Site Visit - Data Missin)
Phase-III (Complete w/issues)
Phase-IV (Total Complete)

Linked

POD ID 205600 01.JPG

POD ID 205600 03.JPG

Photos

POD ID 205600 02.JPG

EPE (ft)

17

Date (M/D/Y)

10/24/01

Time

1.15

Flow Rate (CFS)

0.316487356378589

Open Channel Flow

☒ Complete one box from both Area and Calculation sections

Cross Sectional Area

☒ Circular Channel

- ☐ Less than half full
☐ Half full
☒ More than half full
☐ Full

Diameter 0.333

Depth 0.33

☐ Rectangular Channel

Width

Depth 0.33

Flow Calculation

☐ Continuity

Velocity

0

☐ Orifice

(Use only for head over a pipe flowing full with free discharge)

Depth of Water above orifice centerline

☐ Weir

(Use only for water flowing freely over weir)

Height of water above nappe

Width of weir

☒ Manning (If used, include photo of representative channel section)

Channel Slope 0.001

Channel Description

Concrete lined	.016
Smooth earth	.025
Earth	.033
Rough bed, weeds on sides	.04
Smooth natural stream	.033
Rough natural stream	.1

Pumped System

HP

Pressure Head (psi)

Elevation Head (ft)

Motor Mfg

Motor Serial #

Pump Type

Pump Mfg

Pump Serial#

New Contact Information

New Contact Comments

GPS TAG #

A0009299

*EQ DOES NOT INCLUDE
THIS AMOUNT BECAUSE IT IS
THE TAILWATER OF THE AREA
AND CREEK*

This Form and the associated query are the exclusive intellectual property of Intrepid Engineering Services, and may not be copied, modified, or distributed without the express written consent of Intrepid Engineering Serviv, Inc.

INTREPID
Engineering Services, Inc. (IES)
Enabling People and Solutions



IDAHO DEPARTMENT OF WATER RESOURCES

SNAKE RIVER BASIN ADJUDICATION - BASIN 29



RIGHT ID
POD ID
Quad
Claim Type
Easting
Northing
GPSID

Diversion Description

Ditch to flood irrigation. Headgate is washed out, ditch is overgrown and appears to have been abandoned. 12" culvert runs 3" deep.

Assumptions

Slope, and diversion takes full flow of diverted stream.

Invoice #

Phase-0 (No Attention)
Phase-I (Ready to Go to Field)
Phase-II (Site Visit - Data Missin
Phase-III (Complete w/issues)
Phase-IV (Total Complete)

Linked

Photos

EPE (ft)

Date (M/D/Y)

Time

Flow Rate (CFS)

Open Channel Flow

☒ Complete one box from both Area and Calculation sections

Cross Sectional Area

☒ Circular Channel

- ☒ Less than half full
☐ Half full
☐ More than half full
☐ Full

Diameter

Depth

☐ Rectangular Channel

Width

Depth

Flow Calculation

☐ Continuity

Velocity

☐ Orifice

(Use only for head over a pipe flowing full with free discharge)

Depth of Water above orifice centerline

☐ Weir

(Use only for water flowing freely over weir)

Height of water above nappe

Width of weir

☒ Manning (If used, include photo of representative channel section)

Channel Slope

Channel Description

Concrete lined	.016
Smooth earth	.025
Earth	.033
Rough bed, weeds on sides	.04
Smooth natural stream	.033
Rough natural stream	.1

Pumped System

HP

Pressure Head (psi)

Elevation Head (ft)

Motor Mfg

Motor Serial #

Pump Type

Pump Mfg

Pump Serial#

New Contact Information

New Contact Comments

This Form and the associated query are the exclusive intellectual property of Intrepid Engineering Services, and may not be copied, modified, or distributed without the express written consent of Intrepid Engineering Serviv, Inc.





IDAHO DEPARTMENT OF WATER RESOURCES

SNAKE RIVER BASIN ADJUDICATION - BASIN 29



RIGHT ID
POD ID
Quad
Claim Type
Easting
Northing
GPSID

Diversion Description

Ditch to flood irrigation. W = 18" D = 6", rect. channel, weedy sides, earth banks.

Assumptions

Slope.

Invoice #

Phase-0 (No Attention)
Phase-I (Ready to Go to Field)
Phase-II (Site Visit - Data Missin
Phase-III (Complete w/issues)
Phase-IV (Total Complete)

Linked

Photos

EPE (ft)

Date (M/D/Y)

Time

Flow Rate (CFS)

Open Channel Flow

☒ Complete one box from both Area and Calculation sections

Cross Sectional Area

☐ Circular Channel

- ☐ Less than half full
- ☐ Half full
- ☐ More than half full
- ☐ Full

Diameter

Depth

☒ Rectangular Channel

Width

Depth

Flow Calculation

☐ Continuity

Velocity

☐ Orifice

(Use only for head over a pipe flowing full with free discharge)

Depth of Water above orifice centerline

☐ Weir

(Use only for water flowing freely over weir)

Height of water above nappe

Width of weir

☒ Manning (If used, include photo of representative channel section)

Channel Slope

Channel Description

Concrete lined	.016
Smooth earth	.025
Earth	.033
Rough bed, weeds on sides	.04
Smooth natural stream	.033
Rough natural stream	.1

Pumped System

HP

Pressure Head (psi)

Elevation Head (ft)

Motor Mfg

Motor Serial #

Pump Type

Pump Mfg

Pump Serial#

New Contact Information

New Contact Comments

This Form and the associated query are the exclusive intellectual property of Intrepid Engineering Services, and may not be copied, modified, or distributed without the express written consent of Intrepid Engineering Servc, Inc.





IDAHO DEPARTMENT OF WATER RESOURCES

SNAKE RIVER BASIN ADJUDICATION - BASIN 29



RIGHT ID
POD ID
Quad
Claim Type
Easting
Northing
GPSID

Diversion Description

Pipe diverts drainage from wetland to dammed off pond, thence to flood irrigation. Tag placed on pipe into reservoir. Headgate valve at point of dam. Pipe outlet 20 feet below.

Assumptions

Full flow of Yago Creek can be diverted.

Invoice #

Phase-0 (No Attention)
Phase-I (Ready to Go to Field)
Phase-II (Site Visit - Data Missin
Phase-III (Complete w/issues)
Phase-IV (Total Complete)

Linked

Photos

EPE (ft) Date (M/D/Y) Time Flow Rate (CFS)

Open Channel Flow

☒ Complete one box from both Area and Calculation sections

Cross Sectional Area

☐ Circular Channel

- ☐ Less than half full
☐ Half full
☐ More than half full
☐ Full

Diameter

Depth

☒ Rectangular Channel

Width

Depth

Flow Calculation

☒ Continuity Velocity

☐ Orifice

(Use only for head over a pipe flowing full with free discharge)

Depth of Water
above orifice
centerline

☐ Weir

(Use only for water flowing freely over weir)

Height of water
above nappe

Width of weir

☐ Manning (If used, include photo of representative channel section)

Channel Slope

Channel
Description

Concrete lined	.016
Smooth earth	.025
Earth	.033
Rough bed, weeds on sides	.04
Smooth natural stream	.033
Rough natural stream	.1

Pumped System

HP

Pressure Head (psi)

Elevation Head (ft)

Motor Mfg

Motor Serial #

Pump Type

Pump Mfg

Pump Serial#

New Contact Information

New Contact Comments

This Form and the associated query are the exclusive intellectual property of Intrepid Engineering Services, and may not be copied, modified, or distributed without the express written consent of Intrepid Engineering Serviv, Inc.





IDAHO DEPARTMENT OF WATER RESOURCES

SNAKE RIVER BASIN ADJUDICATION - BASIN 29



RIGHT ID
POD ID
Quad
Claim Type
Easting
Northing
GPSID

Diversion Description

Full stream diverted through 10" culvert over canal thence to ditch. Ditch is 16" wide x 6" deep. V = 0.5 fps.

Assumptions

Invoice #

Phase-0 (No Attention)
Phase-I (Ready to Go to Field)
Phase-II (Site Visit - Data Missin
Phase-III (Complete w/issues)
Phase-IV (Total Complete)

Linked

Photos

EPE (ft)

Date (M/D/Y)

Time

Flow Rate (CFS)

Open Channel Flow

☒ Complete one box from both Area and Calculation sections

Cross Sectional Area

☐ Circular Channel

- ☐ Less than half full
☐ Half full
☐ More than half full
☐ Full

Diameter

Depth

☒ Rectangular Channel

Width

Depth

Flow Calculation

☒ Continuity

Velocity

☐ Orifice

(Use only for head over a pipe flowing full with free discharge)

Depth of Water
above orifice
centerline

☐ Weir

(Use only for water flowing freely over weir)

Height of water
above nappe

Width of weir

☐ Manning (If used, include photo of representative channel section)

Channel Slope

Channel
Description

Concrete lined	.016
Smooth earth	.025
Earth	.033
Rough bed, weeds on sides	.04
Smooth natural stream	.033
Rough natural stream	.1

Pumped System

HP

Pressure Head (psi)

Elevation Head (ft)

Motor Mfg

Motor Serial #

Pump Type

Pump Mfg

Pump Serial#

New Contact Information

New Contact Comments

This Form and the associated query are the exclusive intellectual property of Intrepid Engineering Services, and may not be copied, modified, or distributed without the express written consent of Intrepid Engineering Serviv, Inc.

INTREPID
Engineering Services, Inc. (IES)
Enabling People and Solutions