

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-22490

Exam Date: 7/20/2012

1. Current Owner: PATRICIA J MALLOY
10937 NESBITT LN
OLA ID 83657
(208)584-3269

SHANNON R MILLER
10937 NESBITT LN
OLA ID 83657

2. Accompanied by: Pat and Shannon
Phone No: Same
Address:
Relationship to Permit Holder:

3. **SOURCE**

KIMBALL GULCH CREEK
SECOND FORK SQUAW CREEK

TRIBUTARY

SECOND FORK SQUAW CREEK
SQUAW CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: See attachment

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

KIMBALL GULCH CREEK NW1/4SW1/4 Sec. 1, Twp 11N, Rge 01E, B.M.
GEM County

SECOND FORK SQUAW CREEK NW1/4SW1/4 Sec. 1, Twp 11N, Rge 01E, B.M.
GEM County

Method of Determination: Field exam and GPS

2. **PLACE OF 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	
11N	01E	2									.4				1.1			.6	2.1

Total Acres: 2.1

Method of Determination: Field exam and ArcMap

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

<u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
Second Fork Squaw Creek	dam in creek to a 10" pipeline and eventually an open ditch				
Kimble Gulch Creek	Ditch crosses gulch diverting gulch water. All of Kimble Gulch Creek water would be diverted up to the capacity of the ditch.				

D. FLOW MEASUREMENTS**1. Measurement**

<u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
Second Fork Squaw Creek	dam in creek to a 10" pipeline and eventually an open ditch					
Kimble Gulch Creek	Ditch crosses gulch diverting gulch water. All of Kimble Gulch Creek water would be diverted up to the capacity of the ditch.					

2. Measurements:

Measured 20.4 on the attached staff gage. Based upon the chart I found 2.45 cfs being diverted. This measurement was after the system split and does not include water in the pipeline going south of the Second Fork of Squaw Creek. The system capacity exceeds the combined total of the rights associated with this ditch system. No combined right limits are necessary.

E. FLOW CALCULATIONS

Permit Rate (irr) = 0.08 cfs
 Proof Pd (\$50.00) (max cfs) = 0.20 cfs
 Found POU acres 2.1 * 0.03 cfs/ac = 0.06 cfs
 Measured rate = 2.45 cfs

F. VOLUME CALCULATIONS

- Volume Calculations for Irrigation: Surface water right no volume calculated
- Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

The system is a shared Point of diversion from Second fork of Squaw Creek into a 10 inch pipeline that runs approximately 750 ft where it then splits. The south segment continues in a pipeline to the south of Second fork of Squaw Creek to the Nesbitt property. The other leg dumps into an open ditch that stays on the north side of Second fork Squaw Creek and serves multiple rights. That ditch crosses Kimble Gulch approximately 250 ft northwest of the fork in the ditch. Basically Kimble Gulch ends in the ditch and no longer reaches Second fork of Squaw Creek unless there are flood conditions. Kimble Gulch was dry on the exam date. I measured the open ditch water at this point and found 2.45 cfs. At the points that I observed, the ditch it was not at full capacity. The ditch continues west northwest to the POU for this right and beyond.

Water is diverted out of the main ditch along the westerly boundary of the POU into a black plastic line for gravity sprinkler irrigation for the west 1/2 south of the home. There is a rocky knob in the southwest of the POU that covers about half the width of the parcel that is not irrigated.

There is another diversion from the main ditch on the east side of the property. This diversion goes into a 6 inch pipe and then reduced to 4 inch covering approximately 20 ft. The system then goes into 1 inch black plastic lines for gravity pressure irrigation. Directly below the main ditch a drip line is utilized to flood irrigate from the ditch to the access road that runs just north of the home. The ground east of the dry knob is poorly irrigated but does receive water with marginal results. Ground north of the main ditch is not irrigated.

A small lawn and garden area around the home is irrigated via the domestic groundwater system and is not included in the recommended POU for this right.

The recommended POU is smaller than permitted but within the same tracts as permitted. No overlapping rights are recognized. Ground covered by the well is excluded from the recommendation and the permit holders do not have any Sage Hen reservoir storage water. The diversion from Second fork of Squaw Creek can be locked if necessary. There is no structure located at the point where Kimble Gulch enters the ditch system but normally Kimble Gulch stops flowing early in the irrigation season and no regulation should be necessary. Water diverted from the main ditch is individually regulated and of the 4 individuals I visited with indicated that there is currently good cooperation between the users at this time.

Have conditions of permit approval been met? Yes X No

There is a lockable device on Second Fork of Squaw Creek but no measuring device. Recommend remark 01M. No measurement device or measurement device on Kimble Gulch Creek but creek is intermittent recommend waiving requirements on that channel or the use of 01M.

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 10/31	0.060 CFS	
<u>Totals:</u>		0.060 CFS	

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 Kelly K. Christensen Date Aug 14, 2012

Reviewer _____ Date _____

MEMO

KKC

FROM: Kelly K Christensen
TO: 65-13144, 65-13125, 65-22374, & 65-~~22374~~
SUBJECT: Measurement device requirement 22490

DATE: September 6, 2012

I talked to Eric Herr (watermaster on Squaw Creek) regarding the shared delivery system for the four listed permits. The system historically has not had a measurement device as a part of the delivery system. He felt that a modified remark for future measurement would be acceptable. The point of diversion has a screw gate that can be set and locked as necessary.

Remark R43 (modified)

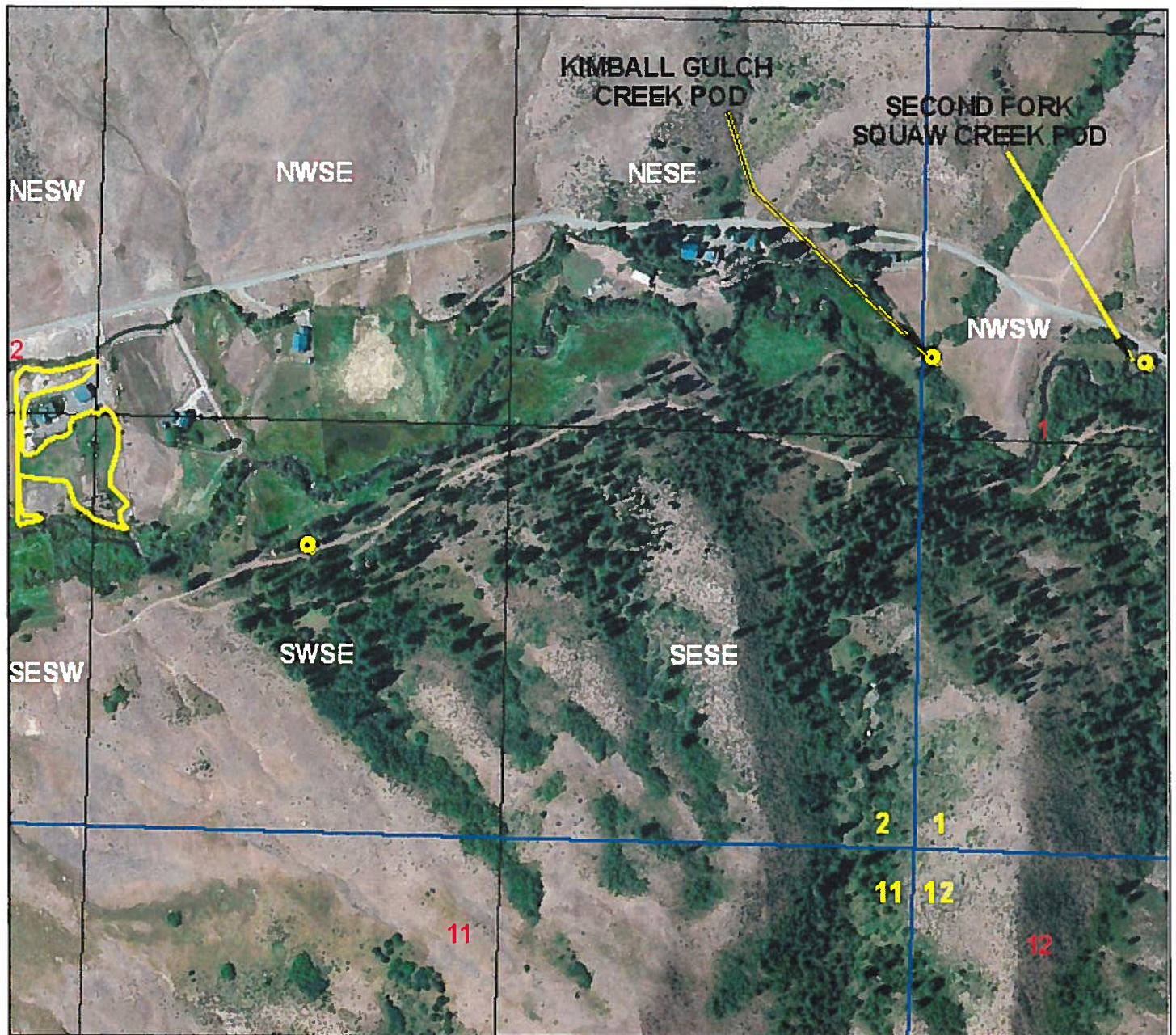
Upon notification by the Department the right holder shall maintain a measuring device and/or controlling works of a type approved by the Department in a manner that will provide the watermaster suitable control of the diversion(s).

-OK
JR 9/6/12

**SECOND FOR SQUAW CREEK AND/OR KIMBLE GULCH CREEK
POD OVERLAPPING RIGHTS FOR THE
FOUND PODS IN 11N, 1E, Sec 1 NWSW**

Right	Owner	status	POU	Historic diversion	Sources	*
65-13144	Nesbitt Ranches	Permit	South of 2 nd Fork	Sec 2 to the south	2 nd Fork Squaw Cr Amendment needed	.16 0.16
65-11248	Nesbitt Ranches	Decreed	South of 2 nd Fork	Sec 2 to the south	2 nd Fork Squaw Cr Amendment needed	.14
65-3090	Nesbitt Ranches	Decreed	South of 2 nd Fork	Sec 1 to the south	2 nd Fork Squaw Cr	.24
65-13125	Weaver	Permit	North of 2 nd Fork	Sec 2 to the north	2 nd Fork Squaw Cr Kimble Gulch Amendment needed	.09 0.09 ~~2~~ KKC
65-7901	Weaver	Decreed	Dom/stock only		spring	
65-11257A	Weaver	Decreed	North of 2 nd Fork	Sec 1 to the north	2 nd Fork Squaw Cr Kimble Gulch	.02
65-22490	Miller	Permit	North of 2 nd Fork	Sec 1 to the north	2 nd Fork Squaw Cr Kimble Gulch	.08 0.06
65-22374	Howell / Myers	Permit	North of 2 nd Fork	Sec 1 to the north	2 nd Fork Squaw Cr Kimble Gulch	.08 0.08
65-11257C	Howell / Myers	Decreed	North of 2 nd Fork	Sec 1 to the north	2 nd Fork Squaw Cr Kimble Gulch	.02
65-11257B	Dale Nesbitt	Decreed	North of 2 nd Fork	Sec 1 to the north	2 nd Fork Squaw Cr Kimble Gulch	.04
65-3089A	Nesbitt Ranches	Decreed	North of 2 nd Fork, west of subdivision	Sec 1 to the north	2 nd Fork Squaw Cr	.94
65-3089D	Marx	Decreed	North of 2 nd Fork	Sec 1 to the north	2 nd Fork Squaw Cr	.05
65-3089E	Hyde	Decreed	North of 2 nd Fork	Sec 1 to the north	2 nd Fork Squaw Cr	.04
65-3089G	Dale Nesbitt	Decreed	North of 2 nd Fork	Sec 1 to the north		.07
South irrigation system						0.54 cfs
North irrigation system						1.43 cfs
System total						1.97 cfs
* rate shown in red is the recommended rate System total w/ modified permit rates						~~1.88~~ cfs 1.88 KKC
65-2925	Squaw Cr Irr Dist	Decreed	Sage Hen Reservoir		Shares PODs as rediversion	
65-2974	Squaw Cr Irr Dist	Decreed	Sage Hen Reservoir		Shares PODs as rediversion	

65-22490 LICENSING PLACE OF USE



0 660 1,320
Feet

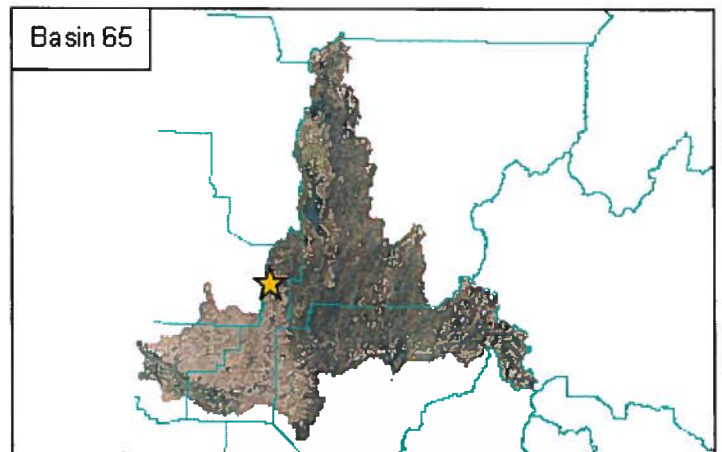
★ LOCATION IN BASIN

PLACE OF USE
TWP 11N, RNG 1E Sec 2
Data Entry on Aug 14, 2012



- Found point of diversion
- Found place of use
- Township lines
- Section lines
- Quarter/quarter lines

GIS PLACE OF USE PRESENTATION
2011 AERIAL PHOTOGRAPHY
BY KELLY K CHRISTENSEN

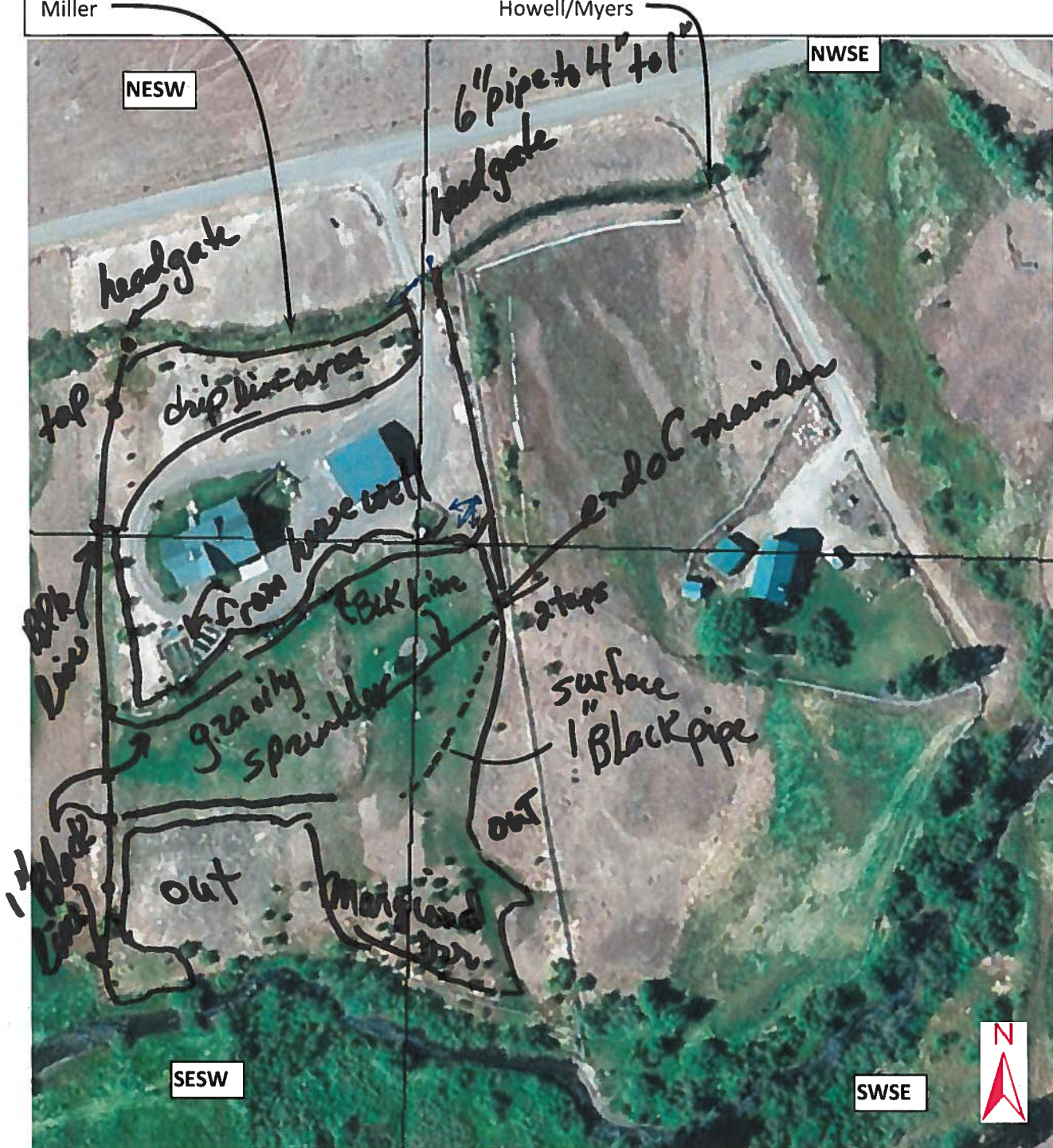


Permit # 65-22490 Miller
Exam date 7-20-12
Agent KKC

Aerial photo date 2011
Twp Rng Sec QQ
11N 01E 02

65-22490
Miller

65-22374
Howell/Myers



met with both Shannon Miller
Pat Malloy

7-20-12
KKC

KIMBLE GULCH

Aerial photo date 2011

Twp	Rng	Sec	QQ
11N	01E	02	NESE

SQUAW CREEK

Sec 1 NWSW

1 Pic North St. @ approx location of old Pod
 1 Pic " SE @ first screen
 2 Pic " " @ Pod. Gypsies in air vent.

2nd Fork Sausage

SECOND FORK OF SQUAW CREEK AND KIMBLE GULCH DIVERSION SYSTEM

Multiple rights including Squaw Creek Irrigation District storage rights

FIELD EXAM 7-20-2012

BY Kelly K Christensen

Photo 1

This photo is looking east southeast at the POD structure. The water goes into a 10" pipeline approximately 750 ft to where the system splits with a pipeline going across (south) of 2nd Fork of Squaw Creek to eventually reach the POU for 65-13144 and the other leg going into an open ditch and the irrigated ground north of 2nd Fork. The ditch also is utilized for the delivery of the storage water from Sage Hen Reservoir. Close-up of the fish screen



Photo 3

This photo is ≈ 250 ft west of the current POD where the river bends to the south. You are looking south in this photo. This was the approximate location of the original POD with the ditch (and now the pipeline location) paralleling the river to the right.

Old ditch and current pipeline



Photo 4

This photo is looking west at the measurement location for the north POU system. This point is ≈ 250 ft downstream from the ditch system split described in photo 1. This location is also just downstream from where Kimble Gulch enters the ditch. Kimble Gulch water does not enter the pipeline going to the south. Kimble Gulch was dry on this date. The fence in the background is on the quarter/quarter line. Pictured is the department's broad crested flume which is measuring the north system only. I found 20.4 on the staff gage which equates to 2.45 cfs. The ditch below this point was near but not at full capacity.

Fence

Kimble Gulch



Photo 1

You are looking south in this photo at the control structure where they take control of their portion of the water coming from 2nd Fork of Squaw Creek and Kimble gulch. This point is roughly 10 ft from the east side of the property.



Photo 2

You are looking southwest from west of the home. Ground beyond the swale is not irrigated.



Photo set 3

This photo set was taken next to the eastern side of the POU and is looking south on the left to west southwest on the right. A pipeline from the main ditch delivers water from to this area. The pipeline starts as a 6" line to a 4" line to eventually a 1 inch line.

