

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-22374

Exam Date: 7/20/2012

1. Current Owner: DALE E MYERS
10805 NESBITT LANE
OLA ID 83657
(208)322-6911

And/Or

SUZANNE HOWELL
10805 NESBITT LANE
OLA ID 83657
(208)322-6911

2. Accompanied by: Dale Myers
Phone No: same
Address:
Relationship to Permit Holder: 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: 65-11257C
2. Other water rights with the same point of diversion: Multiple 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:

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															1.0	2.2	3.2

Total Acres: 3.2

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.

<u>Well or Diversion 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

Measured Method:

Permit Rate (irr) = 0.08 cfs
 Proof Pd (\$50.00) (max cfs) = 0.20 cfs
 Found POU - see comments for analysis of rate
 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

Historically there were two points of diversion from Second Fork of Squaw Creek in Sec 1 and/or Sec 2, one to the south and one to the north. Over the years only 2 Squaw Creek PODs existed but the actual points on the stream channel may have shifted because of spring floods and stream bank erosion. The shifting locations were scattered throughout Sec 2 SE1/4 and Sec 1 SW1/4. In 2010 in conjunction with the Forest Service, the two PODs were consolidated into a single POD that included a fish screen at the intake. The Sage Hen Reservoir rights identify the Sec 2 location as a redirection point. Decreed right 65-11248 and permits 65-13125 and 65-13144 also share that legal description. There is one point of diversion from Kimble Gulch where the north ditch crosses the gulch and that location has not changed over the years. That location is approximately 25 ft east of the boundary between Section 1 and 2, putting that POD in Section 1 NWSW.

The current system is a shared Point of diversion from Second Fork of Squaw Creek into a 10 inch pipeline that runs approximately 750 ft southwest where it then splits. There is a screw gate on the POD that can be locked if necessary which would be associated with all rights from this POD. The south segment continues in a pipeline to the south of Second fork of Squaw Creek to the Nesbitt property. The other leg discharges 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 and about 25 ft east of Section 2. 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.

NORTH DITCH SYSTEM

I measured the open ditch water just west of the north ditch Kimble Gulch juncture and found 2.45 cfs. At the points along that ditch further downstream (that I observed), the ditch it was not quite at full capacity. The ditch continues west northwest to the POU for this right and beyond. The combined total of all rights associated with the diversion from Second Fork of Squaw Creek (including the permits is tentatively 1.97 cfs). This rate includes the four permits at the permitted rate and excludes the Sage Hen Reservoir storage rights as they are not delivered until after some or all of the rights can no longer be delivered.

The system for this right is two diversions from the common main ditch to the POU. One diversion is on the east side of the POU where the common ditch enters the property. Water is diverted into a pipeline the runs south to near the home site where it then wraps around the buildings on the west. The pipeline then switches to the east to irrigate ground south of the yard. The lawn area that is south and east of the home is irrigated off of the domestic well. The second diversion from the common ditch is located where that ditch leaves the property on the west. Water is diverted into a four inch pipeline that also runs south to a rocky knob on the

southwest side of the property. Water can also be diverted into a gated pipe (just below the ditch diversion) that runs east to near the pipeline coming from the first diversion. That system irrigates the ground northwest of the home. Directly west of the home the four inch pipeline can be diverted into a ditch that carries water east southeast to near the east side of the property. The ground south of the ditch and east of the rocky knob is flood irrigated from that system. The rocky knob is irrigated via a portable pipe that can be moved around the knob where needed. Some beneficial use was found on the knob but I would consider it marginal production therefore that area is included within the recommended POU. There is a small triangular area north of the home and against the access road that is not irrigated.

Decreed right 65-11257C is from the same sources and uses the same delivery system. That right is for 0.02 cfs for the irrigation of 1 acre within the parcel. This permit was for 4 acres and 0.08 cfs. Combined POU = 3.2 acres

<u>65-11257C 1 ac @ 0.02 cfs</u>	<u>65-22374 3.2 acres</u>	1.0 ac @ 0.01 cfs = 0.010 cfs
		2.2 ac @ 0.03 cfs = <u>0.066 cfs</u>
	Total 3.2 ac and	0.08 cfs

I am recognizing the system at 0.03 cfs per acre as calculated above.

Both Kimble Gulch and Second Fork were permitted to the 10-acre tract in Sec 1 NWSW but I am recommending them to the 40-acre tract only as historically there is a reasonable chance of the POD getting washed out and requiring it to be replaced at a slightly different location.

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>
IRRIGATION	03/15 to 10/31	0.080 CFS	
	<u>Totals:</u>	0.080 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
JL 9/6/12

10805 Nesbitt Lane
is now my address

Dale Myers

Dale Myers

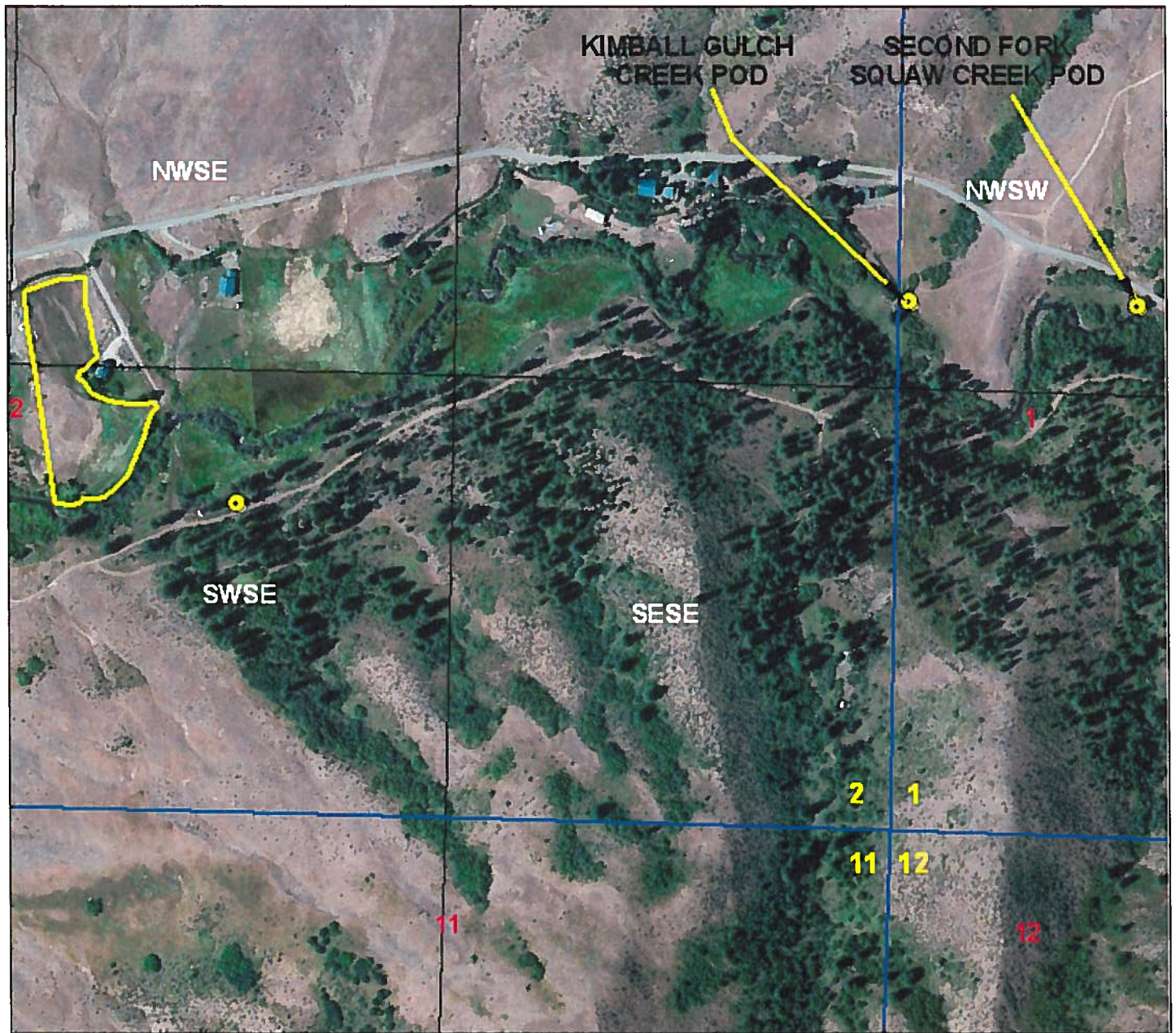
65-22374

July 20, 2012

**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 O.L with 65-11257A	Permit	North of 2 nd Fork	Sec 2 to the north	2 nd Fork Squaw Cr Kimble Gulch Amendment needed	.09 0.03
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						1.89 cfs
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	

65-22374 LICENSING PLACE OF USE



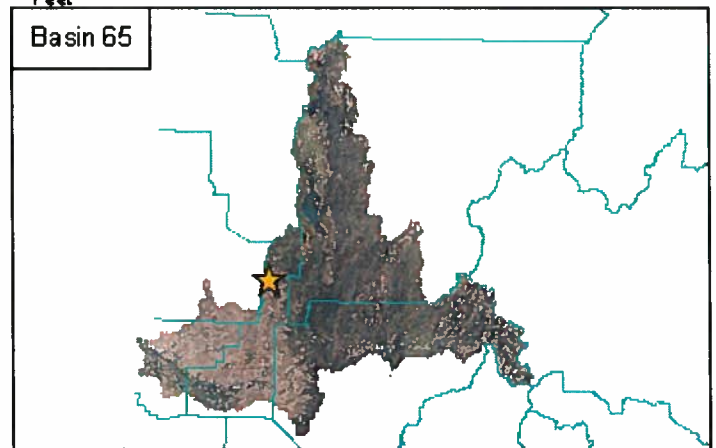
0 660 Feet 1,320 ★ LOCATION IN BASIN

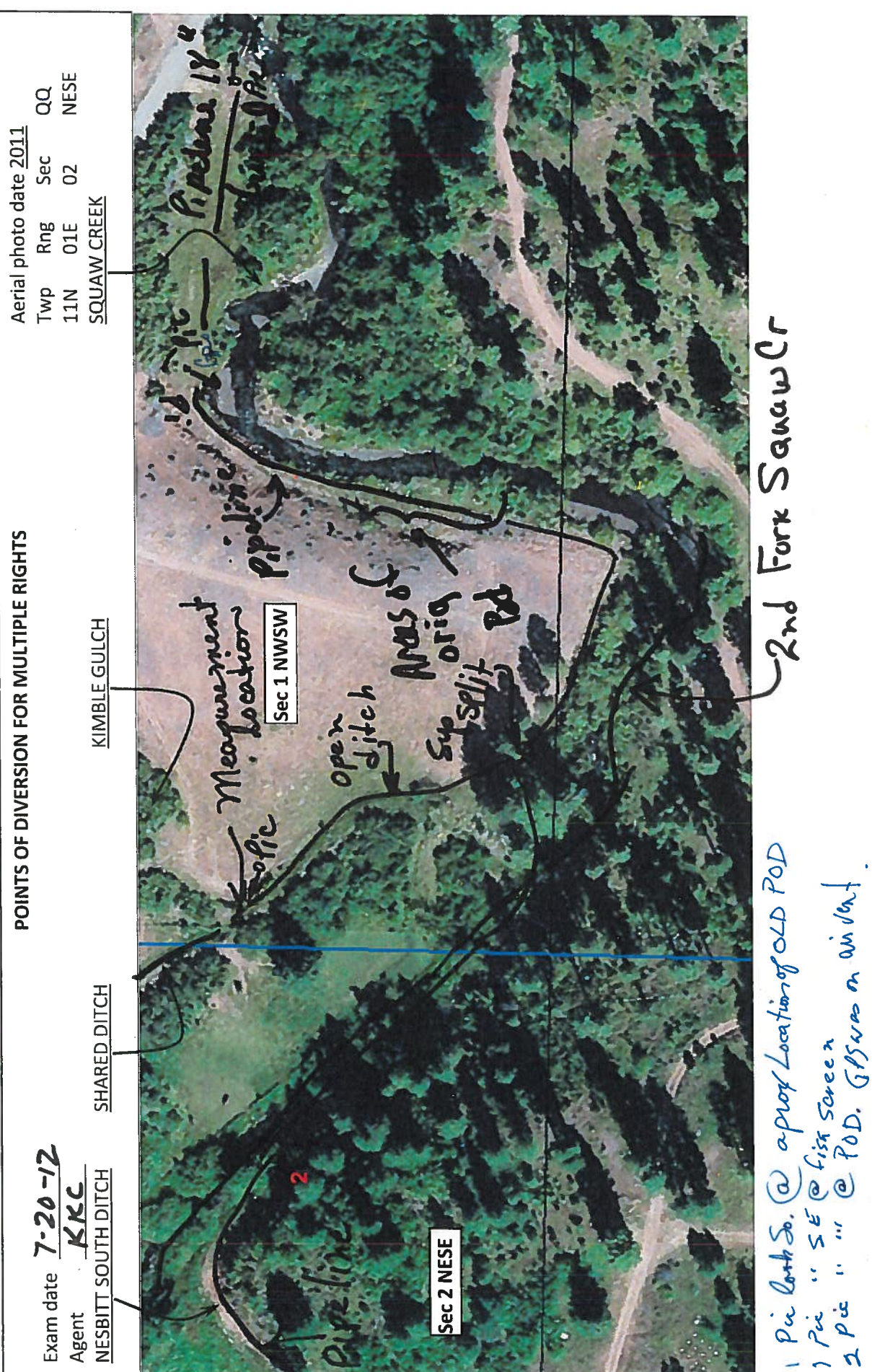
PLACE OF USE
TWP 11N, RNG 1E Sec 2
Data Entry on Aug 14, 2012



- 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





Exam date 7-20-12
Agent KRC
NESBITT SOUTH DITCH

POINTS OF DIVERSION FOR MULTIPLE RIGHTS

Shared Ditch

KIMBLE GULCH

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

2nd Fork Squaw Cr

- 1 Pic Look So. @ approx Location of OLD POD
- 1 Pic " SE @ fish screen
- 2 Pic " " " @ POD. GFS was on wind.

Permit # 65-22374

Exam date 7-20-17

Agent KKC

Aerial photo date 2011

Twp Rng Sec QQ

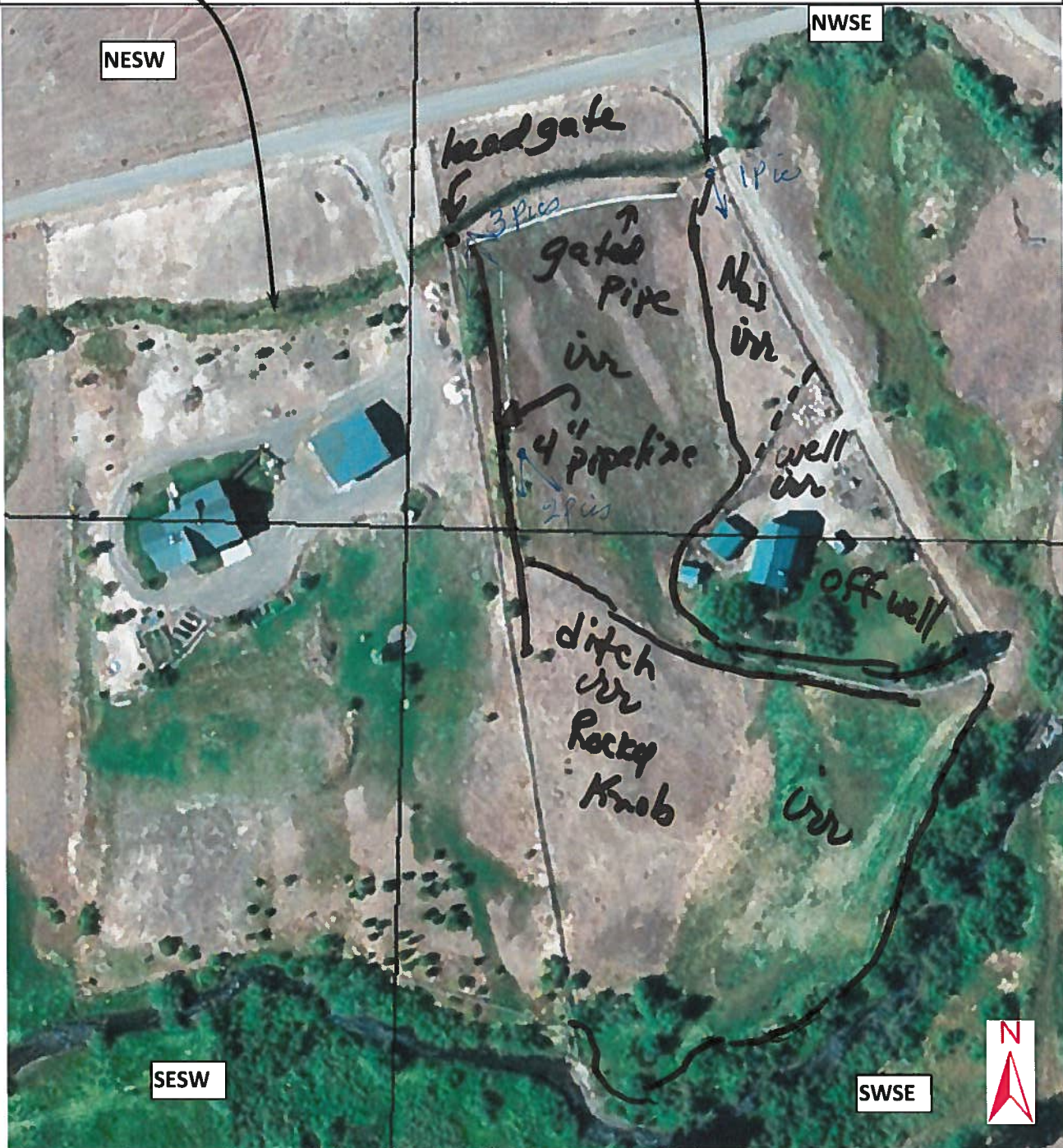
11N 01E 02

65-22490

Miller

65-22374

Howell/Myers



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



65-22490

FIELD EXAM PHOTOS

Field exam 7-20-2012

By Kelly K Christensen

Photo set 1

This photo set was taken from the northwest corner of the property. You are looking south on the right to southeast on the left. The distribution box shown in the foreground is roughly 10 ft south of the main ditch



Photo set 2

This photo set was taken further south from photo set 1 and shows the rocky knob identified in the field map as irrigated. The knob is quite rocky and produces poorly although irrigated.

Ditch carrying water to southeast side of POU.

Rocky knob



Photo 3

This photo was taken just south of the main ditch on the east side of the POU. This area is not irrigated.

Private road to home

