

BEATTIE FARMS SOUTHWEST (FARM)
INADVERTENT OVERRUN AND PAYBACK POLICY (IOPP)
Certification Report for CALENDAR YEAR 2014

1. Cause of Inadvertent Overrun

As reported in the Bureau of Reclamation's *Colorado River Accounting and Water Use Report Arizona, California, and Nevada* for calendar years 2011 and 2012, the Farm incurred overruns in the amounts of 453 acre-feet (AF) and 235 AF, respectively. Prior to July 2012, the Farm's diversions were unmetered, and this was the cause of the overruns. In July 2012, the Farm installed a meter and has since been measuring and reporting its diversions on a monthly basis.

2. 2014 IOPP Payback Obligation

At the end of 2012, the Farm's total IOPP overrun balance was 688 AF. In accordance with the IOPP, the Farm was required to pay back 379 AF of this balance in 2013; 272 AF in 2014; and 37 AF in 2015. In 2013, however, the Farm successfully conserved 472 AF, or 93 AF more than its required 2013 obligation. The Farm applied the 93 AF towards its 2014 obligation, thereby reducing the Farm's 2014 payback obligation from 272 AF to 179 AF. This is demonstrated in the table below.

Table 1. Beattie Farms' original payback obligation schedule and revised payback schedule as of the end of Calendar Year 2013.

Year of Overrun	Overrun Amount	Original Payback Schedule				Revised Payback Schedule at the end of CY 2013*			
		Min Payback Volume 2013	Min Payback Volume 2014	Min Payback Volume 2015	Total Volume	Actual Payback Volume 2013	Revised Payback Volume 2014	Payback Volume 2015	Total Volume
2011	453	379	37	37		416	-	37	
2012	235	-	235	-		56	179		
Total	688	379	272	37	688	472	179	37	688

*In CY 2013, the Farm conserved a total of 472 AF. Of this amount, 379 AF was used to meet the Farm's original 2013 payback obligation; the remaining 93 AF was applied towards the Farm's total 2014 payback obligation amount of 272 AF, thereby reducing the Farm's 2014 obligation to 179 AF.

Based on the Farm's minimum payback obligation of 179 AF, the Farm's adjusted entitlement for 2014 was 931 AF.

3. Conservation Measure(s) implemented in Calendar Year 2014 to Meet the Farm's Required Payback Obligation

As noted above, the Farm was required to pay back a minimum of 179 AF in calendar year 2014. The Farm's approved Payback Plan for Calendar Year 2014 dated August 15, 2013, outlined a fallowing program in which the Farm would fallow 55.16 acres in 2014 in order to meet the Farm's payback obligation. Based on an application rate of 5 AF per acre, it was anticipated that by fallowing this acreage, the Farm would conserve approximately 276 AF. To ensure it met its 2014 payback obligation, the Farm made the decision to keep Blocks 374, 375, and 376 (an additional 26.83 acres) out of production for the entire year (i.e. January 1-December 31).

Due to unforeseen circumstances, more water was required to bring the Farm's celery crop (which was being produced on lands not subject to the fallowing program) to harvest than was originally estimated. Specifically, this was the first year the Farm produced a vegetable crop on fields that were historically planted in alfalfa, and the light soils required more frequent irrigation than anticipated. In an effort to keep the Farm's total diversion within the Farm's 2014 adjusted entitlement, the Farm implemented additional

measures and did not irrigate Blocks 378 and 379 (32.47 acres) from July 1, 2014 through December 31, 2014 to aid with conservation efforts. Despite these additional efforts, the Farm's total 2014 diversion was 1,000 AF.

4. Location and Schedule of Fallowing with Amount of Water Conserved

The specific fields that were fallowed by the Farm in 2014 in accordance with the Farm's approved IOPP Payback Plan are identified in Table 2, the locations of which may be viewed on the attached map (Attachment #1). Historically, and in the absence of a payback obligation, these fields would be farmed in alfalfa. The estimated conservation yield from fallowing these acres was approximately 276 AF. As noted above, the Farm also fallowed Blocks 374-376 for the entire year and did not irrigate Blocks 378 and 379 from July 1 – December 31, 2014. Based on the Farm's total diversion of 1,000 AF, however, the net conservation amount was 110 AF¹.

Table 2. Beattie Farms Fallowing, Calendar Year 2014.

Year	Field/ Block #	USBR Field #	Acres
2014			
2014 Payback Plan	369	8705	2.91
	370	8702	21.34
	371	9879	4.80
	372	8753	16.11
	373	8752	4.00
	380	8509	6.00
	Subtotal		55.16
Additional	374*	8680	4.84
	375*	8653	9.75
	376*	8614	12.24
	378**	17362	13.30
	379**	8582	19.17
	Subtotal		32.47
Total 2014			87.63

*Additional acreage left out of production from January 1 - December 31, 2014.

**Additional acreage fallowed July 1 - December 31, 2014.

incorrect values;
subtotal = 59.30 and
total 2014 = 114.46

5. Monitoring and Verifying IOPP Conservation Measures

The Farm continued to monitor its diversions in 2014 and, as noted above, made adjustments mid-year to try to limit its diversion to remain within its adjusted entitlement. The Farm's records of diversions for calendar year 2014, however, demonstrate that the Farm diverted 1,000 AF, which is 110 AF below its 1,110 AF entitlement, and 69 AF above its 2014 adjusted entitlement of 931 AF.

The Bureau of Reclamation performed quarterly field verification inspections on the fields outlined in the Farm's approved Plan to confirm that the fields remained fallow during the entire period.

Based on the information provided above and the Farm's 2014 diversion of 1,000 AF, the Farm certifies that its net conservation in 2014 was 110 AF. Therefore, the Farm requests that 110 AF be applied towards the Farm's 2014 payback obligation.



Raymond Griffin, President
Griffin Ranches, Inc.

¹Based on the Farm's Entitlement of 1,110 AF and the Farm's 2014 diversion of 1,000 AF, the net conservation achieved by the Farm = 110 AF.

Beattie Farms Southwest

IOPP Fallowing in 2014

-  Fallow All Year
-  Remained in Production
-  Fallow (Jul-Dec)
-  Beattie Farms Field ID

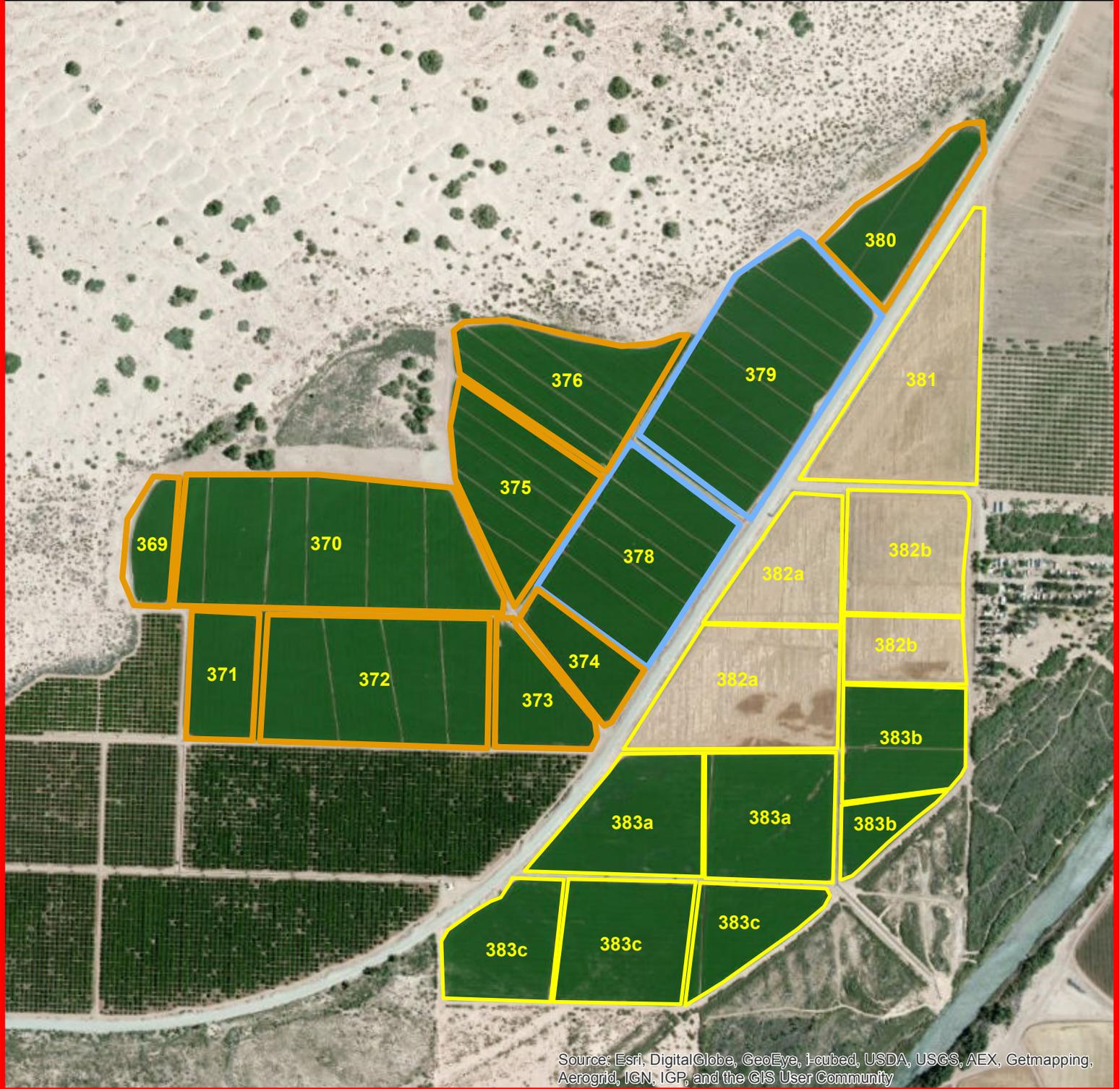


0 0.125 0.25
Mile

Imagery from ESRI, May 29, 2011.

Created by: Jeremy Dodds 3/20/2015
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RECLAMATION
Managing Water in the West



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community