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9. Letter from Ms. Carol Bowman, on behalf of the Cocopah Indian Tribe, dated March 31, 2016, clarifying irrigation of fallowed lands in Calendar Year 2015.
10. Cocopah Tribe's Amended IOPP Certification Reported dated April 26, 2016, clarifying irrigation of fallowed lands in Calendar Year 2015, and certifying its payback amount for Calendar Year 2015.
11. Reclamation's letter to the Cocopah Indian Tribe dated May 5, 2016, verifying its 2015 IOPP payback amount of 149 acre-feet.



United States Department of the Interior

BUREAU OF RECLAMATION
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470

IN REPLY REFER TO:

LC-4220
WTR-4.03

JUN 20 2012

CERTIFIED - RETURN RECEIPT REQUESTED

Honorable Sherry Cordova
Chairperson
Cocopah Indian Tribe
County 15 & Avenue G
Somerton, AZ 85350

Subject: Notice of Calendar Year (CY) 2011 Overrun of Colorado River Entitlement by the Cocopah Indian Tribe (Tribe)

Dear Chairperson Cordova:

Effective January 1, 2004, the Inadvertent Overrun and Payback Policy (IOPP) established requirements for payback of any inadvertent overuse of Colorado River water by users in the Lower Division States. A copy of the IOPP is enclosed for reference (Enclosure 1). In accordance with the IOPP, this letter informs the Tribe that the Bureau of Reclamation's final water accounting records for CY 2011 document that the Tribe incurred an overrun of 605 acre-feet. An overrun governed by the IOPP occurs when an entitlement holder inadvertently diverts, pumps, or receives Colorado River water in excess of the entitlement holder's approved water order for that year.

The Tribe is entitled to divert 10,847 acre-feet of Colorado River water annually for use on the Tribe's Trust lands. The Tribe also owns Fee lands within a portion of the area described in Present Perfected Right (PPR) No. 7. The quantity of Colorado River water available for use on these Fee lands from PPR No. 7 is under discussion. Until this is resolved, Reclamation will estimate a right to divert up to 671 acre-feet of Colorado River water annually under PPR No. 7 for use on the Tribe's Fee lands.¹ This results in a provisional upper limit entitlement of 11,518 acre-feet annually (10,847 acre-feet + 671 acre-feet = 11,518 acre-feet).

By letter dated November 16, 2010, the Bureau of Indian Affairs approved the Tribe's request to divert up to 9,550 acre-feet of Colorado River water during CY 2011 for use on the Tribe's Trust lands. The Tribe also diverted Colorado River water for use on the Tribe's Fee lands. As published in the *Colorado River Accounting and Water Use Report Arizona, California, and Nevada Calendar Year 2011*, the Tribe diverted a total of 12,123 acre-feet in CY 2011. Based

¹The Tribe's entitlement for use on Fee lands is an estimated amount based on an acreage-prorated share of the total entitlement under PPR No.7. The amount of this entitlement is currently under review by the Tribe's attorneys and should not be construed as a final determination by Reclamation regarding the amount to which the Tribe is entitled under PPR No. 7.

upon the Tribe's approval amount of 9,550 acre-feet for diversion to Trust lands and Reclamation's estimate of 671 acre-feet for diversion to Fee lands, which results in a total authorized diversion of 10,221 acre-feet, the Tribe exceeded its approved diversion by 1,902 acre-feet (12,123 acre-feet – 10,221 acre-feet = 1,902 acre-feet).

In accordance with Section 3.2 of the *Lower Colorado Region Policy for Apportioned but Unused Water*, enclosed for reference (Enclosure 2), the Tribe's overrun amount has been offset by 1,297 acre-feet, or the amount equivalent to the difference between the Tribe's CY 2011 approved diversion (10,221 acre-feet) and the Tribe's upper limit of its combined entitlements (11,518 acre-feet). Therefore, the Tribe's CY 2011 overrun amount for which payback is required is 605 acre-feet.²

An entitlement holder incurring an inadvertent overrun is required to submit a payback plan to Reclamation that demonstrates how the entitlement holder will intentionally forbear use of Colorado River water by implementing extraordinary conservation measures sufficient to meet its payback obligation. Examples of extraordinary conservation measures that might be used to meet a payback obligation include, but are not limited to: delivery system improvements, land fallowing, seepage recovery, on-farm conservation (e.g. scientific irrigation scheduling, salinity management, and soil moisture monitoring), forgone banking of Colorado River water off-stream, and exchange of Colorado River water for water banked off-stream. For overruns incurred in CY 2011, an entitlement holder must submit a payback plan to Reclamation by July 23, 2012. An entitlement holder's payback plan must describe:

- a. The cause of the overrun.
- b. The extraordinary conservation measure(s) that will be implemented to pay back the overrun.
- c. The schedule, location, and amount of water that will be conserved by the payback measure(s), and information that adequately demonstrates that the proposed payback measure(s) is: (1) in addition to measures being implemented to conserve water in accordance with any existing water transfer agreements, water conservation agreements, or Intentionally Created Surplus Plans of Creation, and (2) in addition to the measures implemented in any Reclamation-approved water conservation plan.
- d. How the payback measure(s) being implemented will meet the payback obligation.
- e. The amount of Colorado River water that will be conserved and/or supplemented by the payback measure(s) being implemented, for each year in the case of 3-year payback plans.
- f. The method(s) by which Reclamation will be able to monitor the implementation of the payback plan and verify the amount of payback.

In accordance with Section 2.3 of the IOPP, payback of the Tribe's CY 2011 overrun will begin in CY 2013. The number of years within which an overrun must be paid back, and the minimum

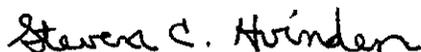
²Please note that this amount may change when the issue under review relating to the quantity of Colorado River water available to the Tribe's Fee lands is resolved.

payback required for each year are defined in Section 2.6 of the IOPP. The Tribe's payback for the CY 2011 overrun is governed by Section 2.6.c. of the IOPP, which provides for a 3-year payback schedule. The minimum required payback amount each year under Section 2.6.c. is "the greater of 20 percent of the individual entitlement holder's maximum allowable cumulative overrun account amount or 33.3 percent of the total account balance." The IOPP limits an entitlement holder's cumulative overrun account amount to a maximum of 10 percent of the entitlement holder's annual entitlement. Based on the Tribe's annual entitlement of 11,518 acre-feet, the Tribe's cumulative overrun account limitation is 1,152 acre-feet ($11,518 \text{ acre-feet} \times 0.10 = 1,152 \text{ acre-feet}$).

Because 20 percent of the Tribe's maximum allowable cumulative overrun account amount ($1,152 \text{ acre-feet} \times 0.20 = 230 \text{ acre-feet}$) is greater than 33.3 percent of the Tribe's total account balance ($605 \text{ acre-feet} \times 0.33 = 201 \text{ acre-feet}$), the Tribe is required to pay back 230 acre-feet in CY 2013, the first year of payback. The remaining overrun balance of 375 acre-feet is required to be paid back in the subsequent 2 years as follows: 230 acre-feet in CY 2014, and 145 acre-feet in CY 2015.

Should the Tribe need assistance in developing its payback plan, or have questions regarding the IOPP or the Tribe's overrun and payback obligation, please contact Mr. Paul J. Matuska, Water Accounting and Verification Group Manager, at 702-293-8164.

Sincerely,



Steven C. Hvinden
Chief, Boulder Canyon Operations Office

Enclosures – 2

cc: Mr. Christopher Harris
Acting Executive Director
Colorado River Board of
California
770 Fairmont Avenue, Suite 100
Glendale, CA 91203-1035

Ms. Jayne Harkins, P.E.
Executive Director
Colorado River Commission of
Nevada
555 E. Washington Avenue, Suite 3100
Las Vegas, NV 89101

Ms. Sandra A. Fabritz-Whitney
Director
Arizona Department of Water Resources
3550 North Central Avenue
Phoenix, AZ 85012-2105

Mr. Paul Soto
Tribal Resources Planner
Cocopah Indian Tribe
West County 15th and Avenue G
Somerton, AZ 85350

cc: Continued on next page.

cc: Continued from previous page.

Ms. Catherine Wilson
Supervisory Water Rights Specialist
Bureau of Indian Affairs
Western Regional Office
2600 North Central Avenue
4th Floor Mailroom
Phoenix, AZ 85004-3050

Ms. Janice Staudte
Superintendent
Colorado River Agency
Bureau of Indian Affairs
12124 First Avenue
Parker, AZ 85344-9818

Mr. Wm. Michael Smith
General Counsel
Bowman & Smith, P.C.
113 W. Giss Parkway
Yuma, AZ 85364
(w/encl to each)

**INADVERTENT OVERRUN
AND
PAYBACK POLICY**

The following pages are a discussion of the Inadvertent Overrun and Payback Policy as contained in pages 16 through 19 of The Record of Decision for the Colorado River Water Delivery Agreement issued on October 10, 2003.

water is created by hydropower generation and, therefore, the change in points of diversion will not impact the CRIT's senior water right. As described in the Final IA EIS, the QSA water transfers are estimated to reduce the opportunity to produce power at Headgate Rock Dam by an average of about 5 percent. The variation in Colorado River flow is within the range that occurs as a normal course of river operation.

IX. Implementing the Decision

A. INADVERTENT OVERRUN AND PAYBACK POLICY

Reclamation is adopting a policy that will identify inadvertent overruns, will establish procedures that account for inadvertent overruns and will define subsequent payback requirements for users of Colorado River mainstream water in the Lower Division States. The Inadvertent Overrun and Payback Policy is effective beginning on January 1, 2004. The language of the policy has been modified from the language published in Appendix I of the Final IA EIS. The comments from Southern Nevada Water Authority and Colorado River Commission of Nevada were accommodated. Edits were made for grammar and consistency, and to eliminate duplication. None of the changes would result in environmental impacts different from those described in the Final IA EIS. The policy as finalized follows.

1. Background

In its June 3, 1963 opinion in the case of *Arizona v. California* (373 U.S. 546), the Supreme Court of the United States held that Congress has directed the Secretary of the Interior (Secretary) to administer a network of useful projects constructed by the Federal Government on the lower Colorado River, and has entrusted the Secretary with sufficient power to direct, manage, and coordinate their operation. The Court held that this power must be construed to permit the Secretary to allocate and distribute the waters of the mainstream of the Colorado River within the boundaries set down by the Boulder Canyon Project Act (45 Stat. 1057, 43 U.S.C. 617) (BCPA). The Secretary has entered into contracts for the delivery of Colorado River water with entities in Arizona, California, and Nevada in accordance with section 5 of the BCPA. The Secretary has the responsibility of operating Federal facilities on the Colorado River and delivering mainstream Colorado River water to users in Arizona, California, and Nevada that hold entitlements, including present perfected rights, to such water.

Article V of the Decree of the Supreme Court of the United States in *Arizona v. California* dated March 9, 1964 (376 U.S. 340) requires the Secretary to compile and maintain records of diversions of water from the mainstream, of return flow of such water to the mainstream as is available for consumptive use in the United States or in satisfaction of the Mexican Treaty obligation, and of consumptive use of such water. Reclamation reports this data each year in the Decree Accounting Record.¹⁵

Pursuant to the Criteria for Coordinated Long-Range Operation of Colorado River Reservoirs developed as a result of the Colorado River Basin Project Act of September 30, 1968, the Secretary annually consults with representatives of the governors of the Colorado River Basin States, general public and others and issues an Annual Operating Plan (AOP) for the coordinated operation of the Colorado River reservoirs. Reclamation also requires each Colorado River water user in the Lower

¹⁵ These records are published as: *Compilation of Records in Accordance with Article V of the Decree of the Supreme Court of the United States in Arizona v. California, et. al.*, dated March 9, 1964.

Basin to schedule water deliveries in advance for the following calendar year (calendar year is the annual basis for decree accounting of consumptive use in the lower Colorado basin) and to later report its actual water diversions and returns to the mainstream.

Pursuant to 43 CFR part 417, prior to the beginning of each calendar year, Reclamation consults with entities holding BCPA section 5 contracts (Contractor) for the delivery of water. Under these consultations, Reclamation makes recommendations relating to water conservation measures and operating practices in the diversion, delivery, distribution, and use of Colorado River water. Reclamation also makes a determination of the Contractor's estimated water requirements for the ensuing calendar year to ensure that deliveries of Colorado River water to each Contractor will not exceed those reasonably required for beneficial use under the respective BCPA contract or other authorization for use of Colorado River water. Reclamation sends a letter approving the Contractor's water order for the ensuing year in the amount determined to be appropriate by Reclamation. Reclamation then monitors the actual water orders, receives reports of measured diversions and return flows from major Contractors and Federal establishments, estimates unmeasured diversions and return flows, calculates consumptive use from preliminary diversions and measured and unmeasured return flows, and reports these records on an individual and aggregate monthly basis. Later, when final records are available, Reclamation prepares and publishes the final Decree Accounting Record on a calendar year basis.

For various reasons, a user may inadvertently consumptively use Colorado River water in an amount that exceeds the amount available under its entitlements as provided in annual approved water orders (inadvertent overrun). Further, the final Decree Accounting Record may show that an entitlement holder inadvertently diverted water in excess of the quantity of the entitlement that may not have been evident from the preliminary records. Reclamation is therefore adopting an administrative policy that defines inadvertent overruns, establishes procedures that account for the inadvertent overruns and defines the subsequent requirements for payback to the Colorado River mainstream.

2. Inadvertent Overruns

Effective January 1, 2004, Reclamation adopts the following Inadvertent Overrun and Payback Policy for the Lower Colorado River Basin:

1. Inadvertent overruns are those which the Secretary deems to be beyond the control of the entitlement holder; for example, overruns due to the discrepancy between preliminary and final stream flow and diversion records.
2. An inadvertent overrun is Colorado River water diverted, pumped or received by an entitlement holder of the Lower Division States that is in excess of the water user's entitlement for that year. This IOP policy provides a structure to payback the amount of water diverted, pumped or received in excess of entitlement for that year. This IOP policy does not create any right or entitlement to this water, nor does it expand the underlying entitlement in any way. An entitlement holder has no right to order, divert, pump or receive an inadvertent overrun. If, however, water is diverted, pumped or received inadvertently in excess of annual approved orders, and sources of unused Colorado River water are not available to accommodate adjustment of water orders by Reclamation, the inadvertent overrun policy will govern the payback. This IOP Policy will not be applied in any manner to the deliveries made under the United States Mexico Water Treaty of 1944.
3. Payback will be required to commence in the calendar year that immediately follows the release date of a final Decree Accounting Record that reports uses that are in excess of an individual's

entitlement.

4. Payback must be made only from measures that are above and beyond the normal reasonable and beneficial consumptive use of water (extraordinary conservation measures). Extraordinary conservation measures mean actions taken to conserve water that otherwise would not return to the mainstream of the Colorado River and be available for beneficial consumptive use in the United States or to satisfy the Mexican treaty obligation. Any entitlement holder with a payback obligation must submit to Reclamation, along with its water order, a plan which will show how it will intentionally forbear use of Colorado River water by extraordinary conservation measures, including fallowing, sufficient to meet its payback obligation and which demonstrates that the measures being proposed are in addition to those being implemented to meet any existing transfer or conservation agreement, and are in addition to the measures found in its Reclamation approved conservation plan. Plans for payback could also include supplementing Colorado River system water supplies with non-system water supplies through exchange or forbearance or other acceptable arrangements, provided that non-system water is not physically introduced into the system without appropriate environmental review and approval by Reclamation. Water banked off-stream or groundwater from areas not hydrologically connected to the Colorado River or its tributaries are examples of such supplemental supplies. Water ordered but subsequently not diverted is not included in this policy in any manner.
5. Maximum cumulative inadvertent overrun accounts will be specified for individual entitlement holders as 10 percent of an entitlement holder's normal year consumptive use entitlement. (Normal year means a year for which the Secretary has determined that sufficient mainstream Colorado River water is available for release to satisfy 7.5 maf of annual consumptive use in the States of California, Arizona and Nevada.)
6. The number of years within which an overrun, calculated from consumptive uses reported in final Decree Accounting Records, must be paid back, and the minimum payback required for each year shall be as follows:
 - a. In a year in which the Secretary makes a flood control release or a space building release pursuant to the applicable Water Control Manual for Hoover Dam, Lake Mead, any accumulated amount in the overrun account will be forgiven.
 - b. If the Secretary has declared a 70R surplus in an AOP applicable to the calendar year of payback, any payback obligation for that calendar year will be deferred at the entitlement holder's option.
 - c. In a year when Lake Mead elevation is between the elevation for a 70R surplus determination and elevation 1,125 feet above mean sea level on January 1, the payback obligation incurred in that year must be paid back in full within 3 years of the reporting of the obligation, with a minimum payback each year being the greater of 20 percent of the individual entitlement holder's maximum allowable cumulative overrun account amount or 33.3 percent of the total account balance.
 - d. In a year when Lake Mead elevation is at or below elevation 1,125 feet above mean sea level on January 1, the total account balance must be paid back in full in that calendar year.
 - e. For any year in which the Secretary declares a shortage under the Decree, the total

account must be paid back in full that calendar year, and further accumulation of inadvertent overruns will be suspended as long as shortage conditions prevail.

7. A separate inadvertent overrun account may be established in those limited cases in which a lower priority user is contractually responsible for payback of other senior entitlement holders. The separate inadvertent overrun account will be limited to a maximum cumulative amount of 10 percent of the senior entitlement holder's average consumptive use. Such inadvertent overrun accounts will be the assigned responsibility of the lower priority user in addition to its own entitlement-based inadvertent overrun account. If, however, senior entitlement holder's approved aggregate calendar year water orders are in excess of the specified amount for which the lower priority user will be responsible, such excess will not be deemed inadvertent and the lower priority user's water order for that year will be reduced accordingly by Reclamation.
8. Each month, Reclamation will monitor the actual water orders, receive reports of measured diversions and return flows from Contractors and Federal establishments, estimate unmeasured diversions and return flows, and project individual and aggregate consumptive uses for the year. Should preliminary determinations indicate that monthly consumptive uses by individual users, or aggregate uses, when added to the approved schedule of uses for the remainder of that year, exceed entitlements pursuant to annual approved water orders but are not exceeding the maximum inadvertent overrun account amount, Reclamation will notify in writing the appropriate entities that the preliminary determinations are forecasting annual uses in excess of their entitlements.
9. During years in which an entitlement holder is forbearing use to meet its payback obligation, Reclamation will monitor the implementation of the extraordinary conservation measures, and require that the entitlement holder's consumptive use be at or below its approved water order for that year. Should the entitlement holder's actual monthly deliveries for the first 5 months of the year exceed their forecasted orders, and projections indicate the entitlement holder's end of year use is likely to be 5 percent or more above their adjusted entitlement, Reclamation will notify the entitlement holder in writing. At the end of 7 months, if it continues to appear that the entitlement holder is likely to be above its adjusted entitlement Reclamation will notify the entitlement holder that they are at risk of exceeding their adjusted entitlement, and having their next year's orders placed under enforcement proceedings. Reclamation will monitor the implementation of the extraordinary conservation measures and monitor the forbearance of consumptive use of Colorado River water. Should preliminary determinations of the implementation of extraordinary conservation or of monthly Colorado River consumptive uses indicate that sufficient extraordinary conservation or sufficient forbearance of Colorado River consumptive use is not projected to occur, Reclamation will notify the appropriate entitlement holders in writing that the preliminary determinations are forecasting that their annual payback obligations are not on target or being met. If this condition occurs for two consecutive years, in the second year Reclamation will begin enforcement proceedings, and will so advise the entitlement holder in writing by July 31 of the second year. Reclamation will consult with the entitlement holder on a modified release schedule and will limit releases to the entitlement holder for the remainder of the year such that by the end of the year the individual entitlement holder has met its payback obligation.
10. Procedures will be established for accounting for inadvertent overruns on an annual basis and for supplementing the final Decree Accounting Record. The procedures and measures for administering the IOP will be reviewed every 5 years. Final determinations under this IOP policy shall be made by Reclamation's Lower Colorado Regional Director.

Lower Colorado Region Policy for Apportioned but Unused Water¹

1. Prior to the operating year:

- 1.1. During the preparation of the Annual Operating Plan (AOP) for the operating year, the Secretary of the Interior (Secretary) will determine the existence of any apportioned but unused water before determining the existence of a Surplus Condition and, under Article II(B)(6) of the Consolidated Decree,² allocate any such water for use within another Lower Division State by applying the priorities in Section 1 of the Interim Guidelines.³
- 1.2. During the preparation of the AOP, the Secretary may, but is not required to, reallocate apportioned but unused water under Article II(B)(6) when determining a Normal Condition or Intentionally Created Surplus (ICS) Surplus Condition.
 - 1.2.1. In making the determination that unused water is available and will be reallocated, the Secretary will consider all relevant factors including but not limited to, the current storage conditions in Lake Mead and Lake Powell, the projected depletions in the Upper Basin, the Lower Basin, and Mexico for the operating year, the projected inflows into the Upper Basin and Lower Basin for the operating year, the water supplies available to the entitlement holders, and the likelihood of future determinations of a Shortage Condition.⁴ In making these projections, the Bureau of Reclamation will utilize the technical information used in the development of the AOP and for making subsequent monthly operational updates.
 - 1.2.2. To the extent the Secretary reallocates apportioned but unused water under Article II(B)(6), the Secretary may, but is not required to, follow the priorities set forth in Section 1 of the Interim Guidelines (i.e., the priorities applicable to any reallocation of apportioned but unused water prior to the determination of a Surplus Condition).
- 1.3. During the preparation of the AOP, the Secretary will reallocate apportioned but unused water under II(B)6 when determining a Shortage Condition only under extraordinary circumstances and in consultation with the Basin States.

2. During the operating year:

- 2.1. If apportioned but unused water becomes available, the Secretary may, but is not required to, reallocate such water under Article II(B)(6).
- 2.2. In making the determination that unused water is available and will be reallocated, the Secretary will consider all relevant factors including, but not limited to, the current storage conditions in Lake Mead and Lake Powell, the projected depletions in the Upper Basin, the Lower Basin, and Mexico for the operating year, the projected inflows into the Upper Basin and Lower Basin for the operating year, the water supplies available to the entitlement holders, and the likelihood of future determinations of a Shortage Condition.⁴ In making these projections, Reclamation will utilize the technical information used in the development of the AOP and for making subsequent monthly operational updates.

¹ This policy does not apply to the administration of Intentionally Created Unused Apportionment pursuant to 43 CFR Part 414.

² Arizona v. California, 547 U.S. 150 (2006).

³ Record of Decision, Colorado River Interim Guidelines for Lower Basin Shortages and the Coordinated Operations for Lake Powell and Lake Mead, December 13, 2007.

⁴ A determination by the Secretary that insufficient mainstream water is available for release to satisfy annual consumptive use of 7,500,000 acre-feet in Arizona, California, and Nevada under Article II(B)3 of the Consolidated Decree.

2.3. To the extent the Secretary reallocates apportioned but unused water under Article II(B)(6), the Secretary may, but is not required to, follow the priorities set forth in Section 1 of the Interim Guidelines (i.e., the priorities applicable to any reallocation of apportioned but unused water prior to the determination of a Surplus Condition).

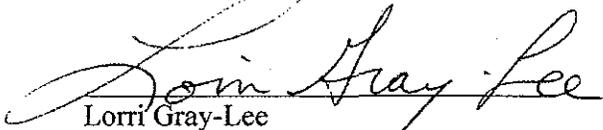
3. After completion of the operating year:

- 3.1. The Secretary will not reallocate apportioned but unused water under the authority of Article II(B)(6) that is discovered after December 31 of the operating year.
- 3.2. Before the publication of the Water Accounting Report⁵ for the operating year:
- 3.2.1. Any apportioned but unused water discovered will be used to offset overrun obligations incurred in that operating year within the state found to have had unused water.
- 3.2.1.1. If an entitlement holder in the under-consuming State incurred an overrun obligation in the operating year by consuming water within the upper limit of its entitlement and that water was put to a reasonable and beneficial use, Reclamation will apply the unused water as an offset to the overrun in accordance with the Inadvertent Overrun and Payback Policy (IOPP) on an acre-foot for acre-foot basis.
- 3.2.1.2. If there is more than one such entitlement holder within the under-consuming State, Reclamation will reduce the payback obligations in accordance with the IOPP procedures to be adopted in consultation with the Lower Division States.
- 3.2.1.3. If the quantity of the apportioned but unused water in the operating year exceeds the overruns incurred in the operating year by such entitlement holders within the under-consuming State, Reclamation will consult with the Lower Division States to determine the appropriate course of action.
- 3.3. After the publication of the Accounting Report for the operating year:
- 3.3.1. As is standard operating procedure, Reclamation will correct Accounting Reports when errors are discovered.
- 3.3.2. If, after correcting an Accounting Report, water apportioned to a State was not used within that State, Reclamation will not apply the apportioned but unused water as an offset to any IOPP payback obligation incurred in that operating year or otherwise make that water available (i.e., the water stays in the system).

4. Term of the policy

- 4.1. This policy is in effect immediately and will remain in effect until rescinded by the Regional Director, in consultation with the Lower Division States.

Adopted as a policy of the Lower Colorado Region, Bureau of Reclamation:


Lorri Gray-Lee
Regional Director

FEB 11 2010

Date

⁵ Colorado River Accounting and Water Use Report, Arizona, California, and Nevada. This report, among other things, contains appropriate information in satisfaction of Article V of the Consolidated Decree.

**COCOPAH INDIAN RESERVATION
INADVERTENT OVERRUN AND PAYBACK POLICY (IOPP)
PAYBACK PLAN for CALENDAR YEAR 2013**

1. Cause of Inadvertent Overrun

As reported in the Bureau of Reclamation's 2011 Colorado River Accounting and Water Use Report: Arizona, California, and Nevada, the Cocopah Indian Tribe incurred an overrun in calendar year 2011, for which payback in the amount of 605 acre-feet is required.

The Cocopah Indian Tribe identified the cause of the overrun as an unprecedented and extraordinary amount of water used by an agricultural lessee, Riversedge Farms, Inc., in 2011.

2. Extraordinary Conservation Measure(s) that will be implemented to Pay Back the Overrun

For each of the Calendar Years 2013 through 2015, 38 acres of Reservation land currently leased by Riversedge Farms, Inc. and historically irrigated for crop production will be taken out of cultivation.

Based on a field application rate of 6 acre-feet per acre per year, this is expected to reduce the amount of water use on the Reservation by 228 acre-feet per year in 2013, 2014, and 2015, for a total reduction of 684 acre-feet.

3. Location, Schedule and Amount of Payback

The measures are to be implemented as follows:

Thirty-eight (38) acres will be withdrawn from cultivation in 2013, 2014 and 2015 that were cultivated by Riversedge Farms, lessee, in 2011, as identified in the attached legal descriptions and maps.

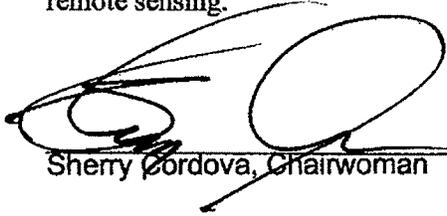
This is expected to conserve 684 acre/feet of water in the three years during which the acreage will lie fallow. A once per year watering of the acreage to establish a ground cover to protect the soil will be performed, expected to use 18.5 acre-feet per year. The total water conserved over the 3-year period should therefore exceed the pay back of 605 acre-feet of overrun by 23.5 acre-feet (684 acre-feet less 55.5 acre-feet for ground-cover equals 628.5 acre-feet.)

4. Monitoring and Verifying IOPP Conservation Measure(s)

Monitoring will be by periodic visual verification that the above-identified lands are not in cultivation, except for establishment of a ground-cover. In addition, Reclamation will conduct quarterly independent verification inspections during which 100% of the fallowed acreage will be

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visited, and may use other means to verify, including but not limited to, imagery analysis and remote sensing.



Sherry Cordova, Chairwoman

July 16, 2013

Date



United States Department of the Interior

BUREAU OF RECLAMATION
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470

SEP 21 2013

IN REPLY REFER TO:
LC-4220
WTR-4.03

CERTIFIED – RETURN RECEIPT REQUESTED

Honorable Sherry Cordova
Chairwoman
Cocopah Tribal Council
Cocopah Indian Tribe
County 15 & Avenue G
Somerton, AZ 853504

Subject: Approval of Inadvertent Overrun and Payback Policy (IOPP) Payback Plan for
Calendar Years 2013-2015 – Cocopah Indian Tribe (Tribe)

Dear Chairwoman Cordova:

Effective January 1, 2004, the IOPP established requirements for payback of inadvertent overuse of Colorado River water by users in the Lower Division States. By letter dated June 20, 2012, the Bureau of Reclamation notified the Tribe that based on Reclamation's final water accounting records for calendar year 2011, the Tribe incurred an overrun of 605 acre-feet.

In accordance with the IOPP, and in response to Reclamation's June 20 letter, the Tribe submitted a Payback Plan (Plan) dated July 12, 2013. The Tribe's Plan defines a 3-year fallowing program which will be implemented during calendar years 2013 through 2015, to conserve the amount of water necessary to meet the Tribe's 605 acre-foot payback obligation.

On August 21, 2013, the Inadvertent Overrun and Payback Technical Committee (IOPTC) reviewed the Plan for technical adequacy and unanimously recommended its approval. Taking into consideration the recommendation of the IOPTC, I make the final determination that the Tribe's Plan adequately meets the requirements of the IOPP and approve the Plan for implementation during calendar years 2013-2015.

The IOPP requires that Reclamation monitor implementation of the extraordinary conservation measures outlined in approved payback plans. Reclamation will utilize quarterly field inspections on 100 percent of the fallowed acres and other methods, including analysis of satellite imagery, to verify the Tribe has implemented the fallowing program in accordance with its approved Plan.

Reclamation's administration of the IOPP requires that the Tribe submit a report certifying the amount of Colorado River water conserved by implementation of the extraordinary conservation measures in the previous calendar year as defined in Tribe's approved Plan. Please submit the

first of these three reports, certifying the amount of conservation achieved in calendar year 2013, to Reclamation no later than February 28, 2014.

If you have questions, please contact Mr. Paul Matuska, Water Accounting and Verification Group Manager, at 702-293-8164.

Sincerely,



Terrance J. Fulp, Ph.D.
Regional Director

cc: Ms. Tanya M. Trujillo
Executive Director
Colorado River Board of
California
770 Fairmont Avenue, Suite 100
Glendale, CA 91203-1035

Ms. Sandra Fabritz-Whitney
Director
Arizona Department of Water Resources
3550 North Central Avenue
Phoenix, AZ 85012-2105

Jayne Harkins, P.E.
Executive Director
Colorado River Commission of
Nevada
555 East Washington Avenue, Suite 3100
Las Vegas, NV 89101-1065

Ms. Catherine Wilson
Supervisory Water Rights Specialist
Bureau of Indian Affairs
Western Regional Office
2600 North Central Avenue
4th Floor Mailroom
Phoenix, AZ 85004-3050

Ms. Irene Herder
Superintendent
Fort Yuma Agency
Bureau of Indian Affairs
P.O. Box 11000
Yuma, AZ 85366-1000

Mr. Paul Soto
Tribal Resources Planner
Cocopah Indian Tribe
West County 15th and Avenue G
5 Somerton, AZ 85350

Mr. Wm. Michael Smith
General Counsel
Bowman & Smith, P.C.
113 W. Giss Parkway
Yuma, AZ 85364



THE COCOPAH INDIAN TRIBE

Office of the Tribal Chairwoman

14515 S. Veterans Drive

Somerton, AZ 85350

Tel: (928) 627-2102

Fax: (928) 627-3173

Email: cocotcsec@cocopah.com

March 3, 2014

Terrance J. Fulp, Ph.D.
Regional Director
United States Department of the Interior
Bureau of Reclamation
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470

**RE: Cocopah Indian Tribe Inadvertent Overrun and Payback Policy (IOPP)
Payback Plan: Report of 2013 Water Conservation**

Dear Mr. Fulp:

The Cocopah Tribe hereby certifies that, for the calendar year 2013, it is in compliance with the Inadvertent Overrun and Payback Policy (IOPP) Payback Plan for Calendar Years 2013-2015 (IOPP), approved by the Bureau of Reclamation by letter dated September 1, 2013. Compliance for 2013 was achieved by withdrawing thirty-eight (38) acres from cultivation. At an estimated amount of 6 acre-feet per acre per year this amounts to conservation of 228 acre-feet for 2013. Once per year watering for ground cover was not done in 2013, as had been mentioned in the Cocopah IOPP, so there is no set off.

Sincerely,

Sherry Cordova, Chairwoman
Cocopah Tribal Council

cc: Ms. Tanya M. Trujillo
Executive Director
Colorado River Board of California
770 Fairmont Avenue, Suite 100
Glendale, CA 91203-1035

Jayne Harkins, P.E.
Executive Director
Colorado River Commission of Nevada
555 East Washington Avenue, Suite 3100

Las Vegas, NV 89101-1065

Mr. Irene Herder
Superintendent
Fort Yuma Agency Bureau of Indian Affairs
P.O. Box 1100
Yuma, AZ 75366-1000

Mr. Wm. Michael Smith
General Counsel for the Cocopah Indian Tribe
Bowman & Smith, P.C.
113 W. Giss Parkway
Yuma, AZ 85364

Ms. Sandra Fabritz-Whitney
Director
Arizona Department of Water Resources
3550 North Central Avenue
Phoenix, AZ 85012-2105

Ms. Catherine Wilson
Supervisory Water Rights Specialist
Bureau of Indian Affairs
Western Regional Office
2600 North Central Avenue-4th Floor Mailroom
Phoenix, AZ 85004-3050

Mr. Paul Soto
Tribal Resources Planner
Cocopah Indian Tribe
14515 South Veterans Dr.
Somerton, AZ 85350



United States Department of the Interior

BUREAU OF RECLAMATION
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470

IN REPLY REFER TO:

LC-4220
WTR-4.03

MAY 05 2014

CERTIFIED – RETURN RECEIPT REQUESTED

Honorable Sherry Cordova
Chairwoman
Cocopah Indian Tribe
14515 South Veterans Drive
Somerton, AZ 85350

Subject: Verification of 2013 Inadvertent Overrun Payback by the Cocopah Indian Tribe (Tribe)

Dear Chairwoman Cordova:

Effective January 1, 2004, the Inadvertent Overrun and Payback Policy (IOPP) established requirements for payback of inadvertent overuse of Colorado River water by users in the Lower Division States. In calendar year 2011, the Tribe incurred an overrun in the amount of 605 acre-feet (af). In accordance with the IOPP, the Tribe submitted an IOPP Payback Plan (Payback Plan) in which the Tribe outlined a following program to pay back a minimum of 228 af of the Tribe's 2011 overrun in 2013. By letter dated September 21, 2013, the Bureau of Reclamation approved the Tribe's Payback Plan.

By letter dated March 3, 2014, the Tribe submitted a report (IOPP certification report) certifying the extraordinary conservation measure implemented by the Tribe in 2013 and the amount of Colorado River water conserved for purposes of meeting the Tribe's 2013 payback obligation. As outlined in the Tribe's IOPP certification report, the Tribe fallowed 38 acres in 2013 and conserved 228 af.

The IOPP requires that Reclamation monitor implementation of the extraordinary conservation measures outlined in approved payback plans. Reclamation conducted quarterly independent field verification inspections in 2013 and analyzed satellite imagery to verify the fallowing implemented by the Tribe. The findings of Reclamation's verification analysis are included in the enclosed report, *Cocopah Indian Tribe Inadvertent Overrun and Payback Policy 2013 Verification Report*.

The Inadvertent Overrun and Payback Technical Committee (IOPTC) met on April 10, 2014, to review the Tribe's 2013 IOPP certification report and to make a recommendation regarding the adequacy of the report in demonstrating the achieved payback amount. The IOPTC unanimously recommended the Tribe be credited with 228 af of payback for 2013.

Taking into consideration the recommendations provided by the IOPTC members, Reclamation's independent verification, and other information, I verify and make the final determination that the Tribe conserved 228 af of Colorado River water during 2013 as documented in the Tribe's 2013 IOPP certification report, and therefore credit the Tribe with this amount of payback for 2013. Applying the 228 af of payback credit reduces the Tribe's outstanding overrun balance to 377 af.

If you have questions, please contact Mr. Paul Matuska, Water Accounting and Verification Group Manager, at 702-293-8164 or pmatuska@usbr.gov.

Sincerely,



Terrance J. Fulp, Ph.D.
Regional Director

Enclosure

cc: Ms. Tanya M. Trujillo
Executive Director
Colorado River Board of California
770 Fairmont Avenue, Suite 100
Glendale, CA 91203

Mr. Michael J. Lacey
Director
Arizona Department of Water Resources
3550 North Central Avenue
Phoenix, AZ 85012

Jayne Harkins, P.E.
Executive Director
Colorado River Commission of Nevada
555 E. Washington Avenue, Suite 3100
Las Vegas, NV 89101

Mr. Paul Soto
Director of Planning
Cocopah Indian Tribe
14515 S. Veterans Drive
Somerton, AZ 85350

Ms. Catherine Wilson
Supervisory Water Rights Specialist
Bureau of Indian Affairs
Western Regional Office
2600 North Central Avenue
4th Floor Mailroom
Phoenix, AZ 85004

Ms. Irene Herder
Superintendent
Fort Yuma Agency
Bureau of Indian Affairs
256 S. 2nd Avenue, Suite D
Yuma, AZ 85364

Mr. Wm. Michael Smith
General Counsel
Bowman & Smith, P.C.
113 W. Giss Parkway
Yuma, AZ 85364
(w/o encl to each)

Cocopah Indian Tribe

Inadvertent Overrun and Payback Policy

2013 Verification Report

The Cocopah Indian Tribe (Tribe) overran its Colorado River water entitlement in calendar year (CY) 2011 by 605 acre-feet (af). In accordance with the Inadvertent Overrun and Payback Policy (IOPP), the Tribe is required to pay back the overrun during CY 2013-2015.

By letter dated July 12, 2013, the Tribe submitted an IOPP Payback Plan (Plan). The Tribe's Plan defines a 3-year fallowing program, to be implemented in CY 2013 through CY 2015, to conserve the amount of water necessary to meet the Tribe's required payback obligation. As outlined in the Tribe's Plan, the Tribe will fallow 38 acres in each of the 3 years (see Attachment #1 for field locations). By implementing this extraordinary conservation measure, the Tribe estimates it will conserve a total of 684 af. But for the payback obligation, the Tribe would have irrigated this land for agricultural production. The Bureau of Reclamation approved the Tribe's Plan by letter dated September 21, 2013.

Reclamation conducted quarterly field verification inspections during 2013 on 100 percent of the fallowed acreage to ensure the Tribe was implementing the conservation measures described in its Plan. This verification report presents the findings of Reclamation's field verification inspections. Additionally, Reclamation performed an analysis on 100 percent of the fields in the Tribe's program using remote sensing and satellite imagery. The images used to perform this analysis may be viewed in Appendix 1.

A: Fallowed Field Verification

One hundred percent of the 38 acres in the Tribe's fallowing program was checked during each quarterly field verification inspection.

Observation: All fields included in the Tribe's fallowing program were clearly fallowed in during each inspection. There was no visible sign that any of the fields had been recently irrigated. All fields were covered with senescent weeds to aid with dust control.

1.



Reclamation Field No. 11890, 11891,
11893 and 12013.
Acres: 38

Ground Verification Notes:
Jan 28 – Fallow.

Apr 22 – Fallow.

July 15 – Fallow with senescent weeds.
Photos #1–4.

2.



3.



4.



5.



Dec 5 – Fallow. Photo #5 was taken across the levee because the Border Patrol gate was closed, thereby preventing access to the fields.

APPENDIX 1

In addition to conducting quarterly field inspections, Reclamation used satellite imagery and remote sensing analysis to verify that the Tribe implemented its fallowing program as outlined in its approved IOPP Payback Plan. The images used to perform this analysis are below.

1.



Image date: January 8, 2013. Comments: Fields have no green vegetation.

2.

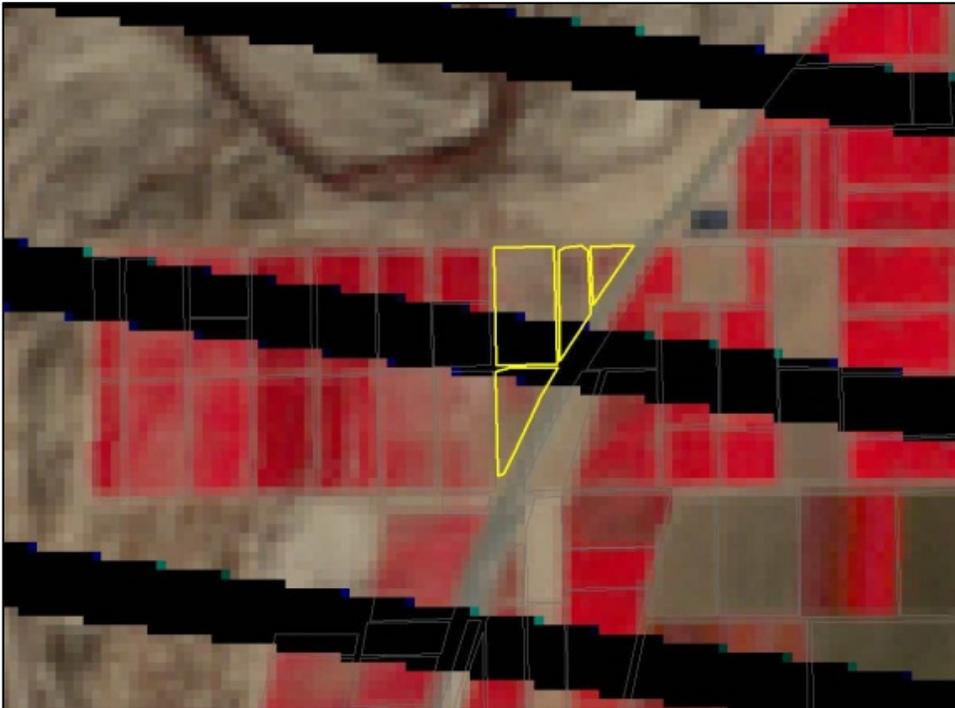


Image date: February 9, 2013. Comments: Fields have no green vegetation.

3.



Image date: March 29, 2013. Comments: Fields have no green vegetation.

4.



Image date: April 22, 2013. Comments: Fields have no green vegetation.

5.



Image date: May 13, 2013. Comments: Fields have no green vegetation.

6.



Image date: June 25, 2013. Comments: Fields have no green vegetation.

7.



Image date: July 27, 2013. Comments: Fields have no green vegetation.

8.



Image date: August 12, 2013. Comments: Fields have no green vegetation.

9.

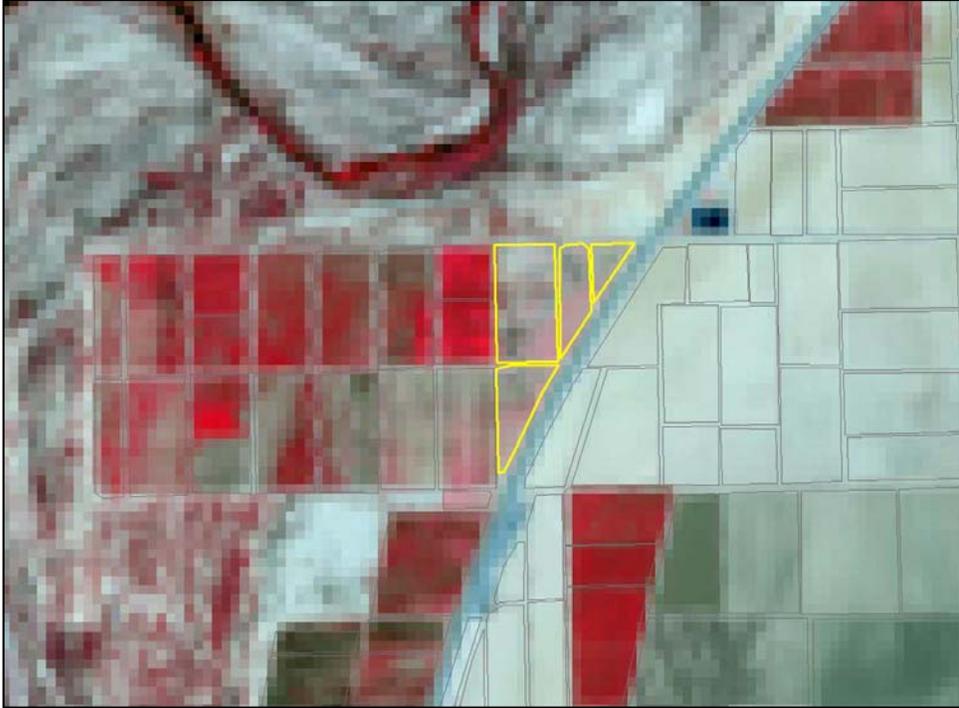


Image date: September 13, 2013. Comments: Fields have no green vegetation.

10.



Image date: October 15, 2013. Comments: Fields have no green vegetation.

11.

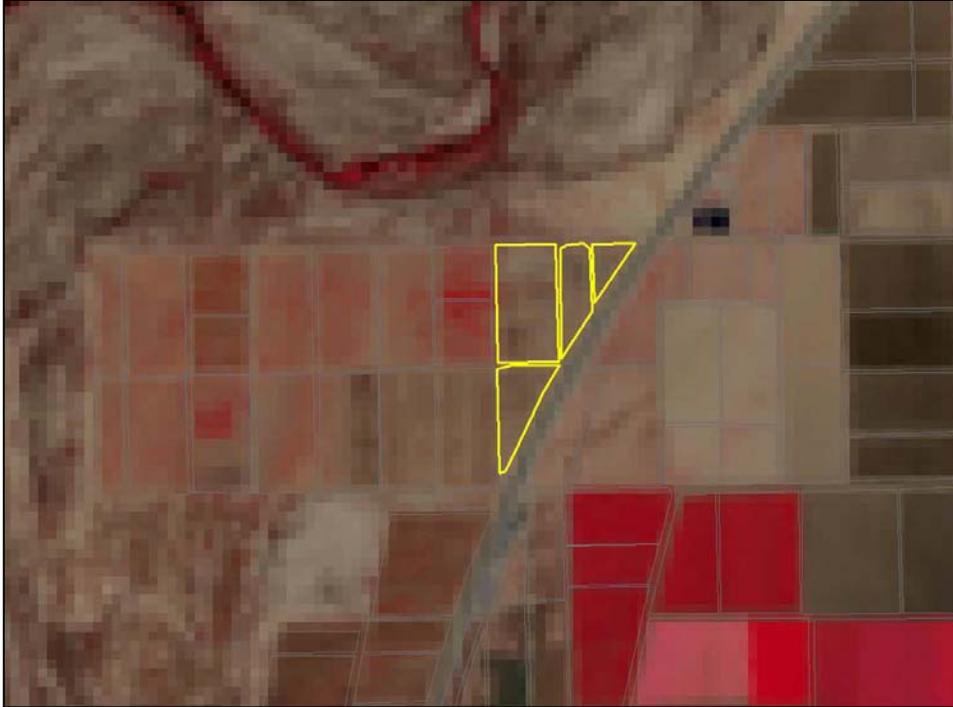


Image date: November 16, 2013. Comments: Fields have no green vegetation.

12.

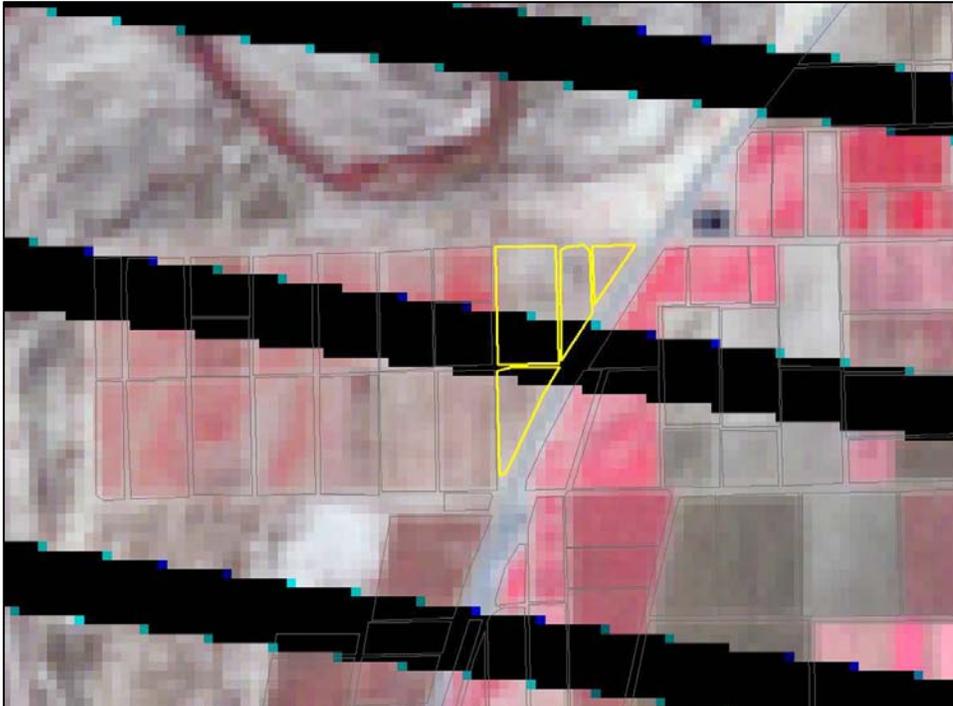
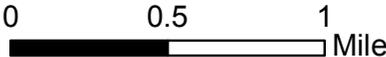


Image date: December 26, 2013. Comments: Fields have no green vegetation.

West Cocopah Indian Reservation

IOPP Following in CY 2013-2015

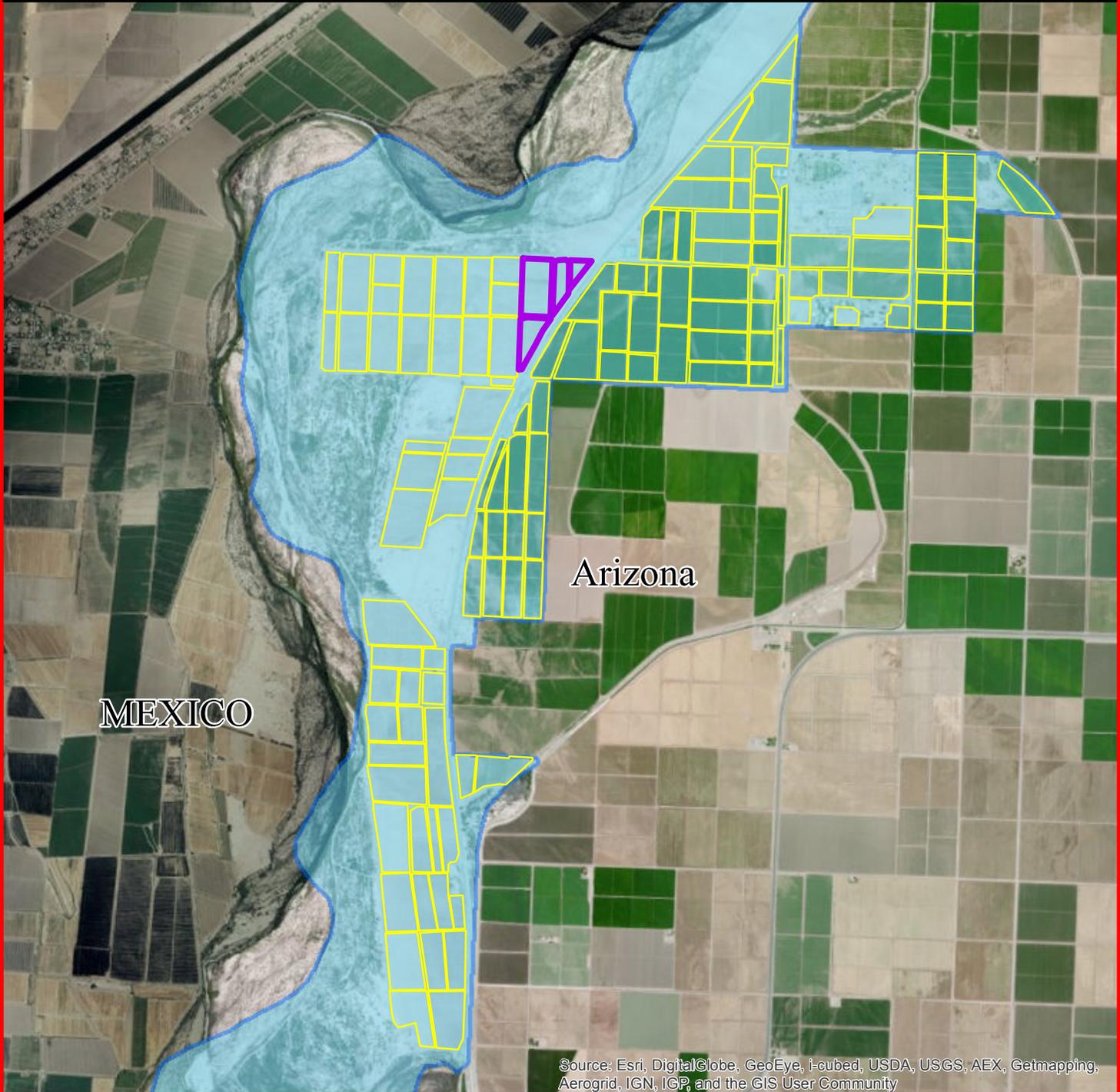
-  Fields not participating in payback
-  Payback for 2011 Overrun; total acres = 38
-  West Cocopah Indian Reservation, AZ



RECLAMATION
Managing Water in the West

Sources: Field Boundaries: USBR 2012 RiverT4 LCRAS geodatabase
Reported Acres: Cocopah Indian Reservation IOPP Payback Plan for Calendar Year 2013

JDodds USBR 8/20/2013 H:/maps_and_reports/MapsAndMXD/SpecialRequests/USGS_Ag/W_Cocopah_Following_2013.pdf



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



The Cocopah Indian Tribe

14515 Veterans Drive
Somerton, Arizona 85350
Telephone: (928) 627-2102
Fax: (928) 627-3173

February 23, 2015

Terrance J. Fulp, Ph.D.
Regional Director
United States Department of the Interior
Bureau of Reclamation
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470

**RE: Cocopah Indian Tribe Inadvertent Overrun and Payback Policy (IOPP) Payback Plan:
Report of 2014 Water Conservation**

Dear Mr. Fulp:

The Cocopah Tribe hereby certifies that, for the calendar year 2014, it is in compliance with the Inadvertent Overrun and Payback Policy (IOPP) Payback Plan for Calendar Years 2013-2015 (IOPP), approved by the Bureau of Reclamation by letter dated September 1, 2013. Compliance for 2014 was achieved by withdrawing thirty-eight (38) acres from cultivation. At an estimated amount of 6 acre-feet per acre per year this amounts to conservation of 228 acre-feet for 2014. Once per year watering for ground cover was not irrigated in 2014, as had been mentioned in the Cocopah IOPP, so there is no set off.

Sincerely,


Christopher J. Nuñez
Tribal Administrator



United States Department of the Interior

BUREAU OF RECLAMATION
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470

IN REPLY REFER TO:

LC-4220
WTR-4.03

CERTIFIED – RETURN RECEIPT REQUESTED

Honorable Sherry Cordova
Chairwoman
Cocopah Indian Tribe
14515 South Veterans Drive
Somerton, AZ 85350

Subject: Verification of 2014 Inadvertent Overrun Payback by the Cocopah Indian Tribe (Tribe)

Dear Chairwoman Cordova:

Effective January 1, 2004, the Inadvertent Overrun and Payback Policy (IOPP) established requirements for payback of inadvertent overuse of Colorado River water by users in the Lower Division States. In calendar year 2011, the Tribe incurred an overrun in the amount of 605 acre-feet (AF). In accordance with the IOPP, the Tribe submitted an IOPP Payback Plan (Payback Plan) in which the Tribe outlined a following program to pay back a minimum of 228 AF of the Tribe's 2011 overrun in 2014. By letter dated September 21, 2013, the Bureau of Reclamation approved the Tribe's Payback Plan.

By letter dated February 23, 2015, the Tribe submitted a report (IOPP certification report) certifying the extraordinary conservation measure implemented by the Tribe in 2014 and the amount of Colorado River water conserved for purposes of meeting the Tribe's 2014 payback obligation. As outlined in the Tribe's IOPP certification report, the Tribe followed 38 acres in 2014 and conserved 228 AF.

The IOPP requires that Reclamation monitor implementation of the extraordinary conservation measures outlined in approved payback plans. Reclamation conducted quarterly independent field verification inspections in 2014 and analyzed satellite imagery to verify the following implemented by the Tribe. The findings of Reclamation's verification analysis are included in the enclosed report, *Cocopah Indian Tribe Inadvertent Overrun and Payback Policy 2014 Verification Report*.

The Inadvertent Overrun and Payback Technical Committee (IOPTC) met on April 16, 2015, to review the Tribe's 2014 IOPP certification report and to make a recommendation regarding the adequacy of the report in demonstrating the achieved payback amount. The IOPTC unanimously recommended the Tribe be credited with 228 AF of payback for 2014.

Taking into consideration the recommendations provided by the IOPTC members, Reclamation's independent verification, and other information, I verify and make the final determination that the Tribe conserved 228 AF of Colorado River water during 2014 as documented in the Tribe's 2014 IOPP certification report, and therefore credit the Tribe with this amount of payback for 2014. Applying the 228 AF of payback credit reduces the Tribe's outstanding overrun balance to 149 AF.

If you have questions, please contact Mr. Paul Matuska, Water Accounting and Verification Group Manager, at 702-293-8164 or pmatuska@usbr.gov.

Sincerely,



Terrance J. Fulp, Ph.D.
Regional Director

Enclosure

cc: Ms. Tanya M. Trujillo

Executive Director
Colorado River Board of California
770 Fairmont Avenue, Suite 100
Glendale, CA 91203

Mr. Thomas Buschatzke
Director

Arizona Department of Water Resources
3550 North Central Avenue
Phoenix, AZ 85012

Jayne Harkins, P.E.
Executive Director
Colorado River Commission of Nevada
555 E. Washington Avenue, Suite 3100
Las Vegas, NV 89101

Mr. Paul Soto
Director of Planning
Cocopah Indian Tribe
14515 S. Veterans Drive
Somerton, AZ 85350

Ms. Catherine Wilson
Supervisory Water Rights Specialist
Bureau of Indian Affairs
Western Regional Office
2600 North Central Avenue
4th Floor Mailroom
Phoenix, AZ 85004

Ms. Irene Herder
Superintendent
Fort Yuma Agency
Bureau of Indian Affairs
256 S. 2nd Avenue, Suite D
Yuma, AZ 85364

Mr. Wm. Michael Smith
General Counsel
Bowman & Smith, P.C.
113 W. Giss Parkway
Yuma, AZ 85364

Mr. John Entsminger
General Manager
Southern Nevada Water Authority
1001 South Valley View Boulevard
Las Vegas, NV 89153
(w/o encl to each)



The Cocopah Indian Tribe

Office of the Tribal Chairwoman

14515 S. Veterans Drive

Somerton, AZ 85350

Tel: (928) 627-2102

Fax: (928) 627-3173

Email: cocotcsec@cocopah.com

February 25, 2016

Terrance J. Fulp, Ph.D.
Regional Director
United States Department of the Interior
Bureau of Reclamation
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470

**Re: Cocopah Indian Tribe Inadvertent Overrun and Payback Policy (IOPP)
Payback Plan: Report of 2015 Water Conservation**

Dear Mr. Fulp:

The Cocopah Tribe hereby certifies that, for the calendar year 2015, it has complied with the Inadvertent Overrun and Payback Policy (IOPP) Payback Plan for Calendar Years 2013-2015 (IOPP), approved by the Bureau of Reclamation by letter dated September 1, 2013, and modified by the Bureau of Reclamation by letter dated October 15, 2015. Compliance for 2015 was achieved by withdrawing thirty-eight (38) acres from cultivation. At an estimated amount of 6 acre-feet per acre per year, this amounts to conservation of 228 acre-feet for 2015. Watering for ground cover was not done in 2015, as had been mentioned in the Cocopah IOPP, so there was no set off.

Also, it should be noted that the modification to the Payback Plan permitted by the Bureau's letter dated October 15, 2015, which allowed the Tribe to begin irrigating the 38 acres of Tribal Lands on October 1, 2015, was not implemented, so the total conservation in 2015 of 228 acre-feet more than offsets the Tribe's remaining pay back obligation. Therefore, with this report, the Tribe is formally requesting that its payback obligations be deemed completed.

Thank you for your consideration. Should you have any questions or concerns, please do not hesitate to call me.

Sincerely,

Sherry Cordova, Chairwoman
Cocopah Tribal Council

LAW OFFICES
BOWMAN & SMITH, P.C.

WM. MICHAEL SMITH
C. ALAN BOWMAN*+
CAROL A. BOWMAN**
MARLO K. ARNOLD

113 WEST GISS PARKWAY
YUMA ARIZONA 85364-2210

TELEPHONE: 928-783-8879
TOLL FREE: 888-302-9398
FACSIMILE: 928-329-1816
TAX ID: 20-4079576

*ALSO LICENSED TO PRACTICE IN COLORADO
** ALSO LICENSED TO PRACTICE IN CALIFORNIA
+ CERTIFIED SPECIALIST IN INJURY & WRONGFUL DEATH

WEBSITE: www.bowmansmith.com
WRITER'S EMAIL: cabowman@bowmansmith.com

March 31, 2016

Via e-mail, transmitted to: neverett@usbr.gov

Nicole A. Everett
Boulder Canyon Operations Office
P.O. Box 61470
Boulder City, NV 89006

Re: **Cocopah Tribe IOPP Fallowing**

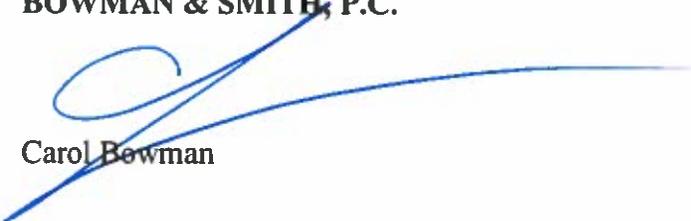
Dear Ms. Everett:

As follow-up regarding irrigation in late 2015, the entire 38 acres was irrigated with well water. Our understanding is that 29 acres were irrigated on October 22, 2015 and 9 acres were irrigated on November 13, 2015. Mr. Griffin is the one that did the irrigation, and we are confirming this information with him. Once confirmed, I will draft an amended certification.

Thank you for your consideration. Should you have any questions or concerns, please do not hesitate to call me, or Paul Soto.

Sincerely,

BOWMAN & SMITH, P.C.



Carol Bowman

CB:af
cc: Paul Soto



The Cocopah Indian Tribe

Office of the Tribal Chairwoman

14515 S. Veterans Drive

Somerton, AZ 85350

Tel: (928) 627-2102

Fax: (928) 627-3173

Email: cocotsec@cocopah.com

April 26, 2016

Terrance J. Fulp, Ph.D.
Regional Director
United States Department of the Interior
Bureau of Reclamation
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470

**Re: Cocopah Indian Tribe Inadvertent Overrun and Payback Policy (IOPP)
Payback Plan: Amended Report of 2015 Water Conservation**

Dear Mr. Fulp:

The Cocopah Tribe hereby amends its prior certification to clarify irrigation of the 38 acres that were fallowed as part of the Cocopah Tribe's Payback Plan for Calendar Years 2013-2015. The Cocopah Tribe certifies that, for the calendar year 2015, it has complied with the Inadvertent Overrun and Payback Policy (IOPP) Payback Plan for Calendar Years 2013-2015 (IOPP), approved by the Bureau of Reclamation by letter dated September 1, 2013, and modified by the Bureau of Reclamation by letter dated October 15, 2015. Compliance for 2015 was achieved by withdrawing thirty-eight (38) acres from cultivation. At an estimated amount of 6 acre-feet per acre per year, this amounts to conservation of 228 acre-feet for 2015.

The modification to the Payback Plan permitted by the Bureau's letter dated October 15, 2015, allowed the Tribe to begin irrigating the 38 acres of Tribal Lands on October 1, 2015. Beginning October 22, 2015, 29 acres out of the 38 acres were irrigated with well water and on November 13, 2015, 9 acres were irrigated with well water. No Colorado River water was used for this irrigation and it took place after October 1, 2015. Therefore, with this report, the Tribe understands that its payback obligations have been completed.

Thank you for your consideration. Should you have any questions or concerns, please do not hesitate to call me.

Sincerely,

Sherry Cordova, Chairwoman
Cocopah Tribal Council

cc: Ms. Tanya M. Trujillo
Executive Director
Colorado River Board of California
770 Fairmont Avenue, Suite 100
Glendale, CA 91203

Jayne Harkins, P.E.
Executive Director
Colorado River Commission of Nevada
555 East Washington Avenue, Suite 3100
Las Vegas, NV 89101

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Fort Yuma Agency
Bureau of Indian Affairs
256 South 2nd Avenue, Suite D
Yuma, AZ 85364

Mr. Wm. Michael Smith
General Counsel for the Cocopah Indian Tribe
Bowman & Smith, P.C.
113 W. Giss Parkway
Yuma, AZ 85364

Mr. Thomas Buschatzke
Director
Arizona Department of Water Resources
3550 North Central Avenue
Phoenix, AZ 85012

Ms. Catherine Wilson
Supervisory Water Rights Specialist
Bureau of Indian Affairs
Western Regional Office
2600 North Central Avenue-4th Floor Mailroom
Phoenix, AZ 85004

Mr. Paul Soto
Director of Planning
Cocopah Indian Tribe
14515 South Veterans Drive
Somerton, AZ 85350



United States Department of the Interior

BUREAU OF RECLAMATION
Lower Colorado Regional Office
P.O. Box 61470
Boulder City, NV 89006-1470

IN REPLY REFER TO:

LC-4220
WTR-4.03

MAY 05 2016

CERTIFIED – RETURN RECEIPT REQUESTED

Honorable Sherry Cordova
Chairwoman
Cocopah Indian Tribe
14515 South Veterans Drive
Somerton, AZ 85350

Subject: Verification of Calendar Year 2015 Inadvertent Overrun Payback by the Cocopah Indian Tribe (Tribe)

Dear Chairwoman Cordova:

Effective January 1, 2004, the Inadvertent Overrun and Payback Policy (IOPP) established requirements for payback of inadvertent overuse of Colorado River water by users in the Lower Division States. In accordance with the IOPP, the Tribe was required to repay 149 acre-feet (AF) in calendar year 2015 for an overrun the Tribe incurred in calendar year 2011.

In accordance with the Tribe's IOPP Payback Plan for Calendar Years 2013-2015 (Plan), approved by the Bureau of Reclamation's letter dated September 21, 2013, and as modified by Reclamation's letter dated October 13, 2015, the Tribe fallowed 38 acres during calendar year 2015 to repay the Tribe's 149 AF payback obligation. By letter dated February 25, 2016, as amended by letter dated April 26, 2016, the Tribe submitted an IOPP certification report certifying that the Tribe implemented the following program consistent with its approved Plan and conserved adequate conservation in calendar year 2015 to meet the Tribe's required payback obligation.

The IOPP requires that Reclamation monitor implementation of the extraordinary conservation measures outlined in approved payback plans. Reclamation conducted quarterly independent field verification inspections and analyzed satellite imagery to verify the following implemented by the Tribe. The findings of Reclamation's verification analysis are included in the enclosed report, *Cocopah Indian Tribe Inadvertent Overrun and Payback Policy Calendar Year 2015 Verification Report*.

The Inadvertent Overrun and Payback Technical Committee (IOPTC) met on April 7, 2016, to review the Tribe's IOPP certification report and to make a recommendation regarding the adequacy of the report in demonstrating the achieved payback amount. The IOPTC unanimously recommended the Tribe be credited with 149 AF of payback for calendar year 2015.

Taking into consideration the recommendations provided by the IOPTC members, Reclamation's independent verification, and other information, I make the final determination that the Tribe be credited with 149 AF of payback for calendar year 2015. Applying the 149 AF of payback credit fully extinguishes the Tribe's IOPP payback obligation.

Thank you for submitting the Tribe's IOPP certification report and for the Tribe's efforts in completing its IOPP payback obligation. If you have questions, please contact Mr. Paul Matuska, Water Accounting and Verification Group Manager, at 702-293-8164 or pmataska@usbr.gov.

Sincerely,



Terrance J. Fulp, Ph.D.
Regional Director

Enclosure

cc: Ms. Tanya M. Trujillo
Executive Director
Colorado River Board of California
770 Fairmont Avenue, Suite 100
Glendale, CA 91203

Mr. Thomas Buschatzke
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Arizona Department of Water Resources
3550 North Central Avenue
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Southern Nevada Water Authority
1001 South Valley View Boulevard, MS 480
Las Vegas, NV 89153

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4th Floor Mailroom
Phoenix, AZ 85004

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Yuma, AZ 85364

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Somerton, AZ 85350

Ms. Carol Bowman
General Counsel
Bowman & Smith, P.C.
113 West Giss Parkway
Yuma, AZ 85364
(w/o encl to each)

Cocopah Indian Tribe

Inadvertent Overrun and Payback Policy

Calendar Year 2015 Verification Report

The Cocopah Indian Tribe (Tribe) overran its Colorado River water entitlement in calendar year 2011 by 605 acre-feet (AF). In accordance with the Inadvertent Overrun and Payback Policy (IOPP), the Tribe was required to pay back the overrun during calendar years 2013-2015. Having paid back a total of 456 AF in calendar years 2013 and 2014, the Tribe's payback volume for calendar year 2015 was 149 AF.

In accordance with the IOPP, the Tribe submitted an IOPP Payback Plan (Plan) by letter dated July 12, 2013. The Tribe's Plan defined a 3-year fallowing program, to be implemented in calendar years 2013 through 2015, to conserve the amount of water necessary to meet the Tribe's required payback obligation. As outlined in the Tribe's Plan, the Tribe would fallow 38 acres (Reclamation field nos. 11890, 11891, 11893, and 12013; see map in Appendix 1 for field locations) in each of the 3 years. It was anticipated that fallowing this acreage would conserve 684 AF, or 228 AF/year. But for the payback obligation, the Tribe would have irrigated this land for agricultural production. The Bureau of Reclamation approved the Tribe's Plan by letter dated September 21, 2013.

By email dated September 2, 2015, the Tribe submitted a request to modify the implementation of its fallowing program in 2015. Specifically, the Tribe requested that it be allowed to put back into production, beginning October 1, 2015, the 38 acres being fallowed for payback purposes. The Tribe's request was based primarily on the estimate that, by September 30, 2015, it would have conserved an adequate amount of Colorado River water to fully meet its 2015 payback obligation of 149 AF and extinguish its remaining IOPP overrun balance.¹ Following consultation with the Inadvertent Overrun and Payback Technical Committee, Reclamation approved the Tribe's request to modify implementation of its fallowing program by letter dated October 13, 2015.

Reclamation conducted quarterly field verification inspections during 2015 on 100 percent of the fallowed acreage to ensure the Tribe was implementing the conservation measures described in its Plan. This verification report presents the findings of Reclamation's field verification inspections. Additionally, Reclamation performed an analysis on 100 percent of the fields in the Tribe's program using multispectral satellite imagery. The images used to perform this analysis may be viewed in Appendix 1.

A: Fallowed Field Verification

One hundred percent of the 38 acres in the Tribe's fallowing program was checked during each quarterly field verification inspection.

Observation: All fields included in the Tribe's fallowing program were clearly fallowed in during the first 3 quarterly inspections. There was no visible sign that any of the fields had been recently irrigated. During the fourth-quarter inspection, conducted on November 30, 2015, 3 of the fields (field nos. 11890, 11891, and 11893) had visible crop growth on them, suggesting they had been recently irrigated. Although no visible crop growth was present on the fourth field (field no. 12013), it appeared that the field was recently prepared for planting.

¹ Distributing the annual estimated conservation yield (228 AF) on a monthly time-step (based on a 5-year average alfalfa evapotranspiration curve), it was estimated that the Tribe's conservation from fallowing the 38 acres from January 1, 2015 through September 30, 2015, would be 189 AF, which would adequately cover the Tribe's remaining payback obligation.

1.



Reclamation Field No. 11890.

Acres: 3.3

Ground Verification Notes:

February 2 – Fallow, bare soil. Photo 1.

April 27 – Fallow, bare soil. Photo 2.

July 6 – Fallow, bare soil. Photo 3.

November 30 – Newly planted crop; suggests recent irrigation. Photo 4.

2.



3.



4.



5.



Reclamation Field No. 11891.

Acres: 7.2

Ground Verification Notes:

February 2 – Fallow, bare soil. Photo 5.

April 27 – Fallow, bare soil. Photo 6.

July 6 – Rear field is fallow with bare soil.

Photo 7. (Same as Photo 3.)

November 30 – Although not visible in the picture, field notes indicate field contained a newly planted crop; suggests recent irrigation. Photo 8.

6.



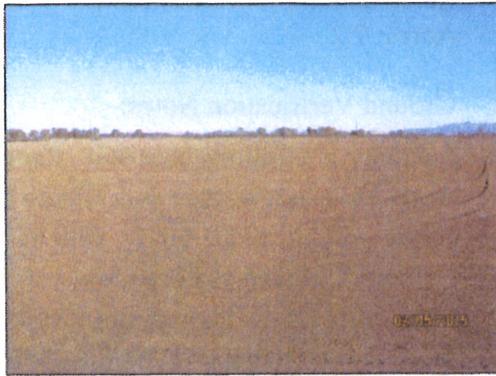
7.



8.



9.



Reclamation Field No. 11893.

Acres: 18.7

Ground Verification Notes:

February 2 – Fallow, bare soil. Photo 9.

April 27 – Fallow, bare soil. Photo 10.

July 6 – Rear field is fallow with bare soil.

Photo 11.

November 30 – Newly planted crop; suggests recent irrigation. Photo 12.

10.



11.



12.



13.



Reclamation Field No. 12013.

Acres: 9.2

Ground Verification Notes:

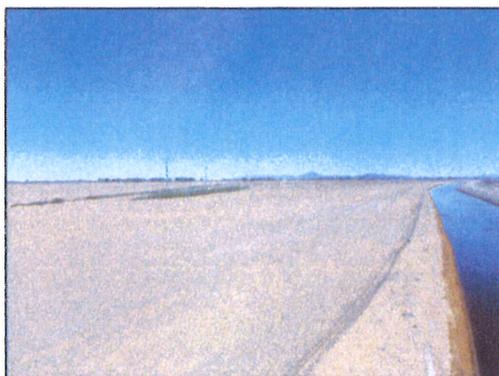
February 2 – Fallow, bare soil. Photo 13.

April 27 – Fallow, bare soil. Photo 14.

July 6 – Fallow, bare soil. Photo 15. (Same as Photo 11.)

November 30 – Fallow (no visible sign of crop), but field appears to be prepared for planting. Photo 16.

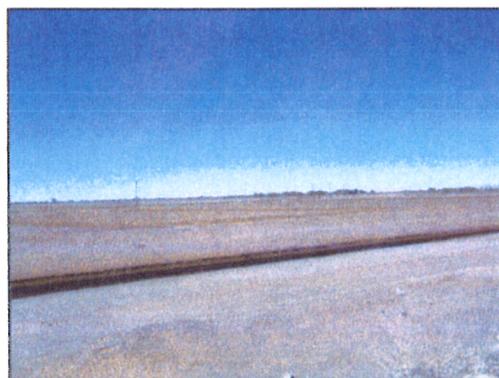
14.



15.



16.



Based on the observations made and the information collected during the field verification inspection, the implementation of the extraordinary conservation measure(s) in a manner consistent with the Tribe's approved payback plan is:

Confirmed Unconfirmed

J. Woods

Inspector

3/30/16

Date

Paul M. [Signature]

Group Manager

3/30/16

Date

APPENDIX 1

In addition to conducting quarterly field inspections, Reclamation used Landsat 8 satellite imagery and remote sensing analysis to verify that the Tribe implemented its fallowing program as outlined in its approved IOPP Payback Plan, as modified. A map showing the location of the participating fields and the images used to perform this analysis are below.



NAIP Image date May 30, 2014.

1.

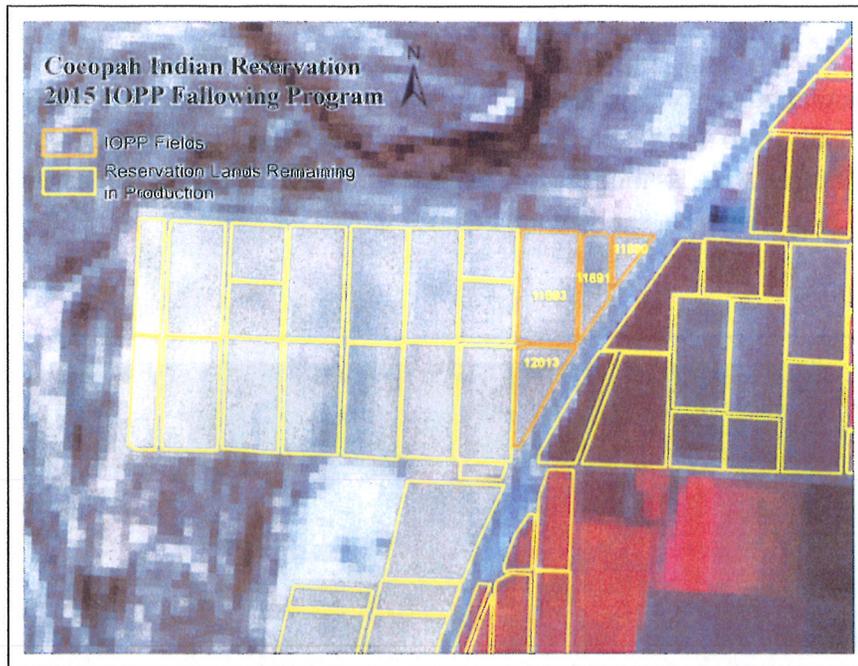


Image date: January 6, 2015. Comments: All fields have relatively no infrared (IR) reflectance and appear to be bare soil.

2.

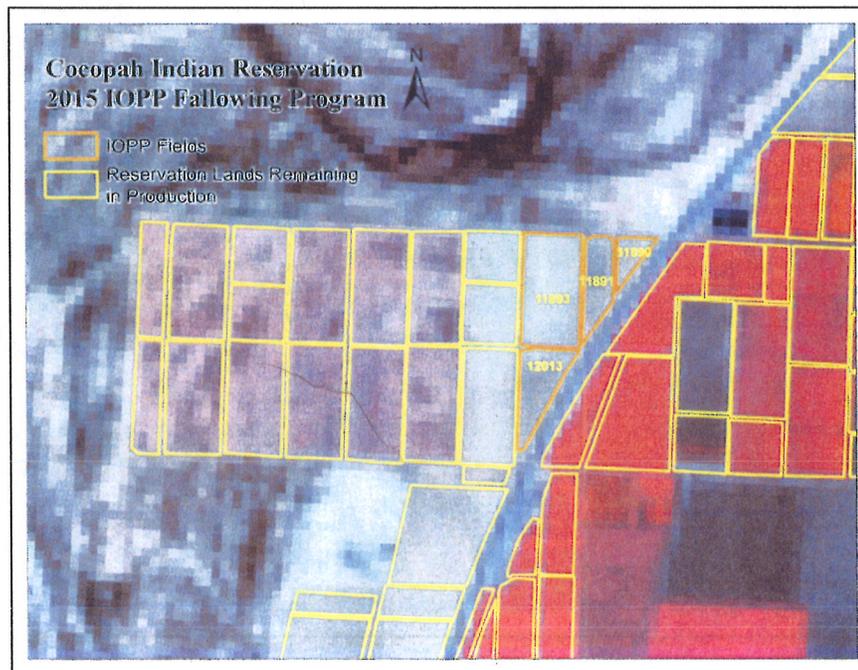


Image date: February 7, 2015. Comments: All fields have relatively no infrared (IR) reflectance and appear to be bare soil.

3.

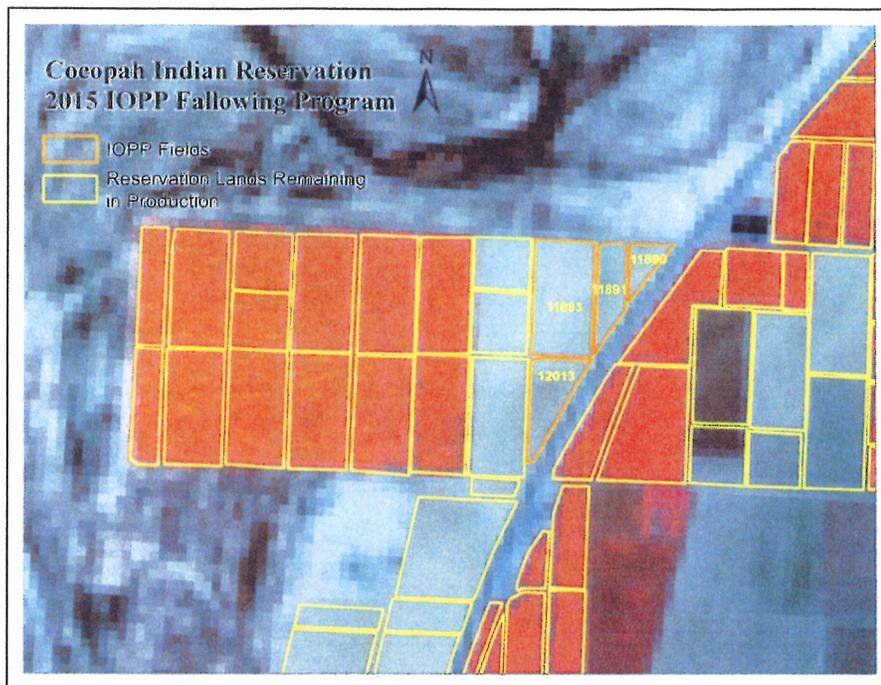


Image date: March 27, 2015. Comments: All fields have relatively no infrared (IR) reflectance and appear to be bare soil.

4.

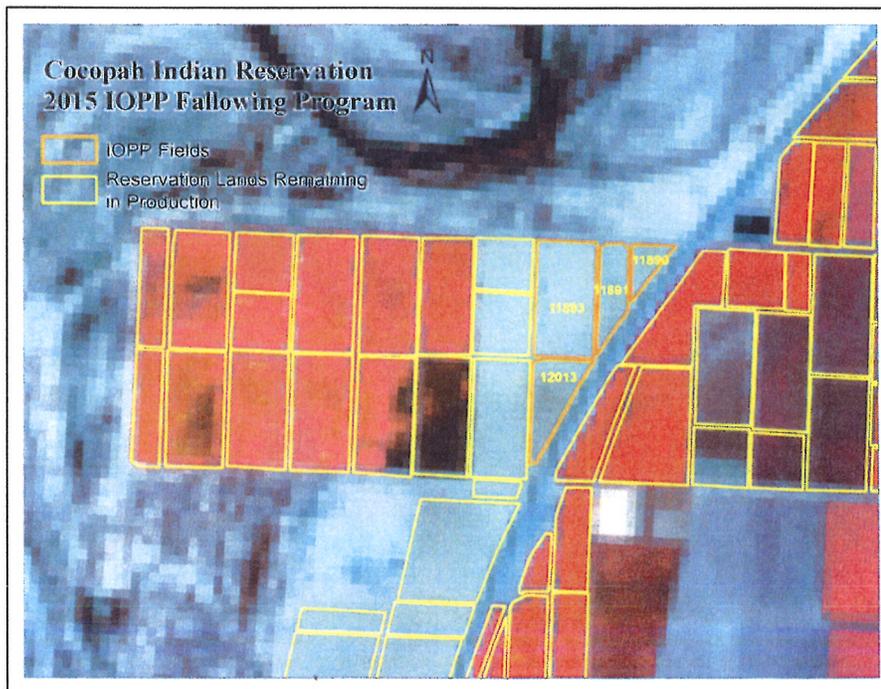


Image date: April 28, 2015. Comments: All fields have relatively no infrared (IR) reflectance and appear to be bare soil.

5.

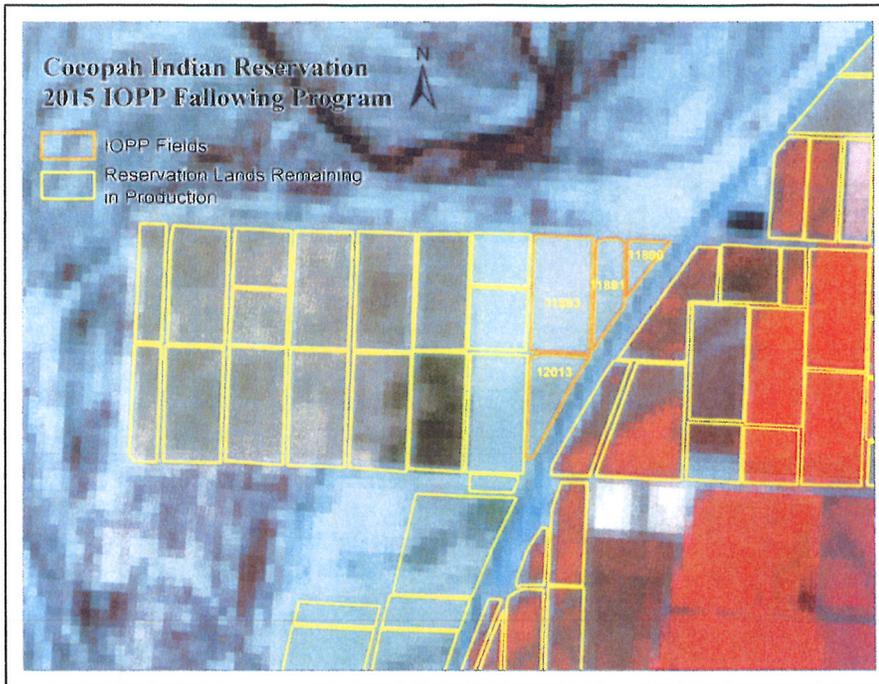


Image date: May 30, 2015. Comments: All fields have relatively no infrared (IR) reflectance and appear to be bare soil.

6.

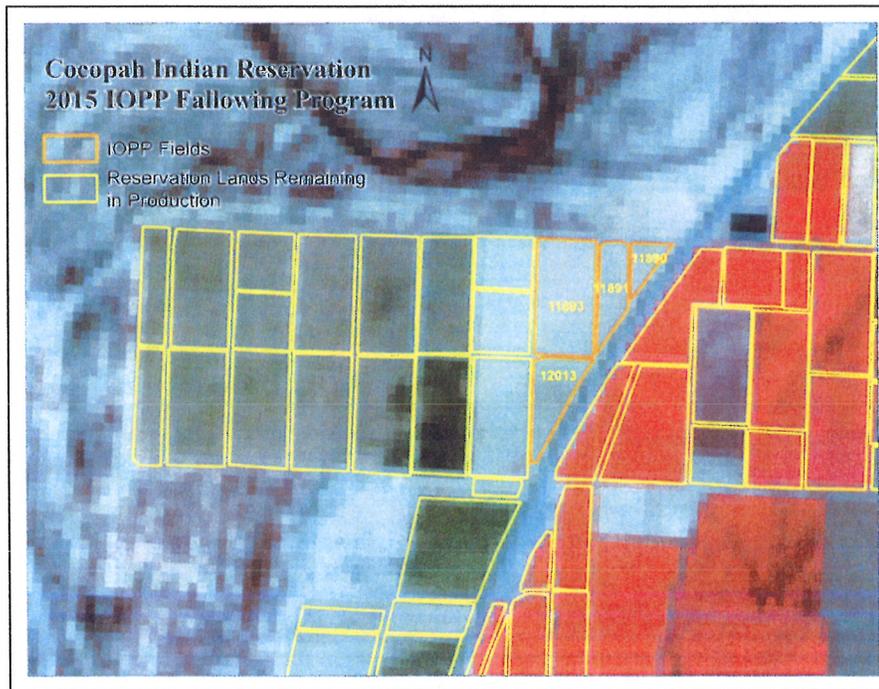


Image date: June 15, 2015. Comments: All fields have relatively no infrared (IR) reflectance and appear to be bare soil.

7.



Image date: July 17, 2015. Comments: All fields have relatively no infrared (IR) reflectance and appear to be bare soil.

8.

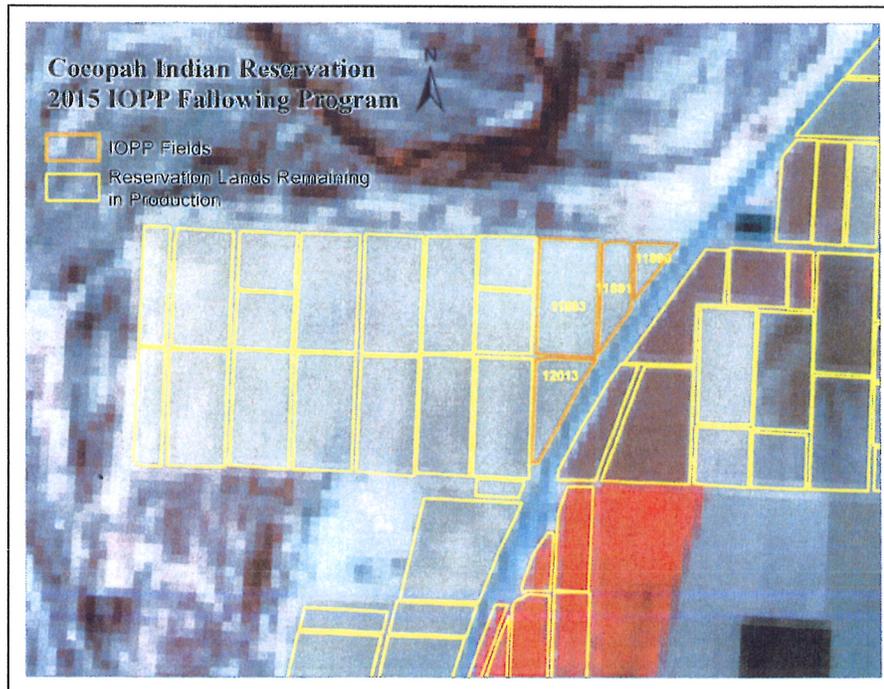


Image date: August 18, 2015. Comments: All fields have relatively no infrared (IR) reflectance and appear to be bare soil.

9.

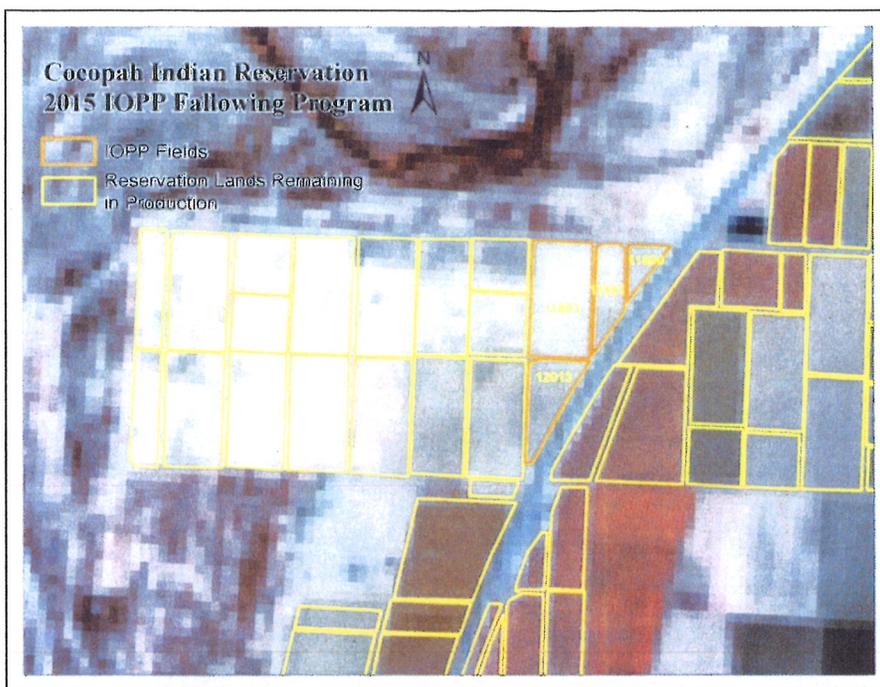


Image date: September 19, 2015. Comments: All fields have relatively no infrared (IR) reflectance and appear to be bare soil.

10.

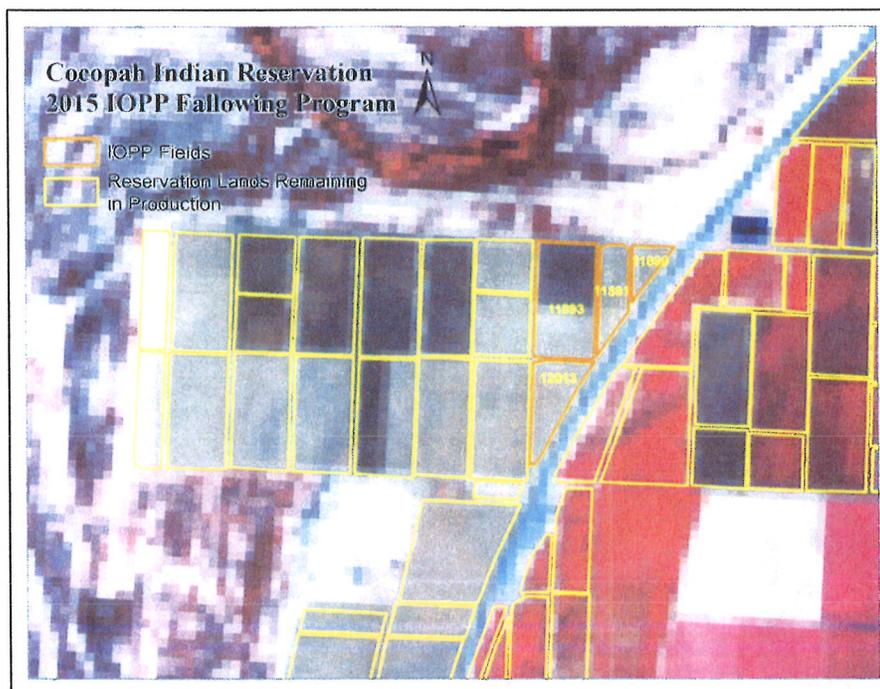


Image date: October 21, 2015. Comments: North half of Field 11893 is irrigated. All other fields have relatively no infrared (IR) reflectance and appear to be bare soil.

11.

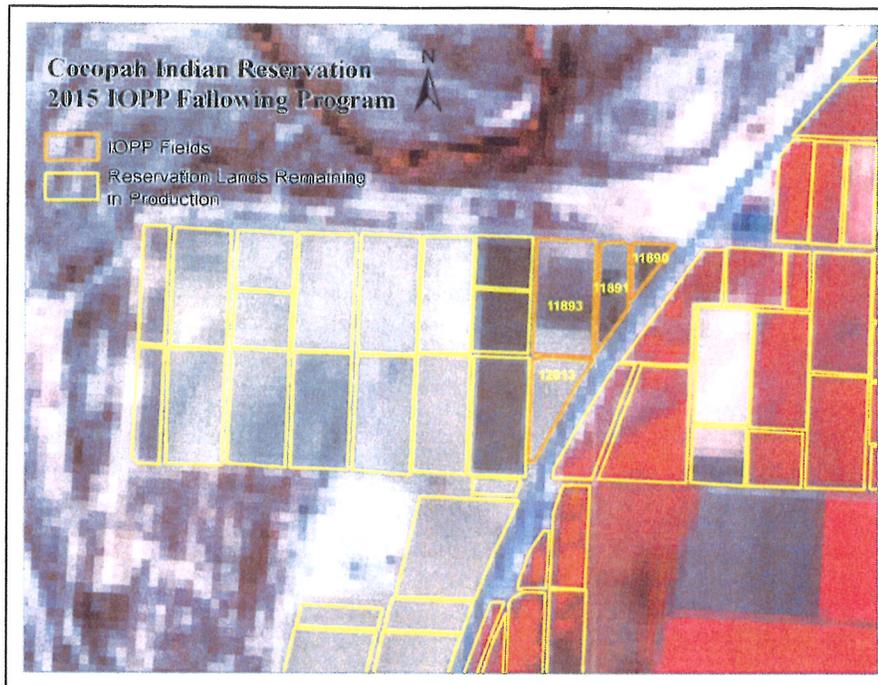


Image date: November 6, 2015. Comments: Fields 11890, 11891 and 11893 are irrigated. Field 12013 has relatively no infrared (IR) reflectance and appear to be bare soil.

12.

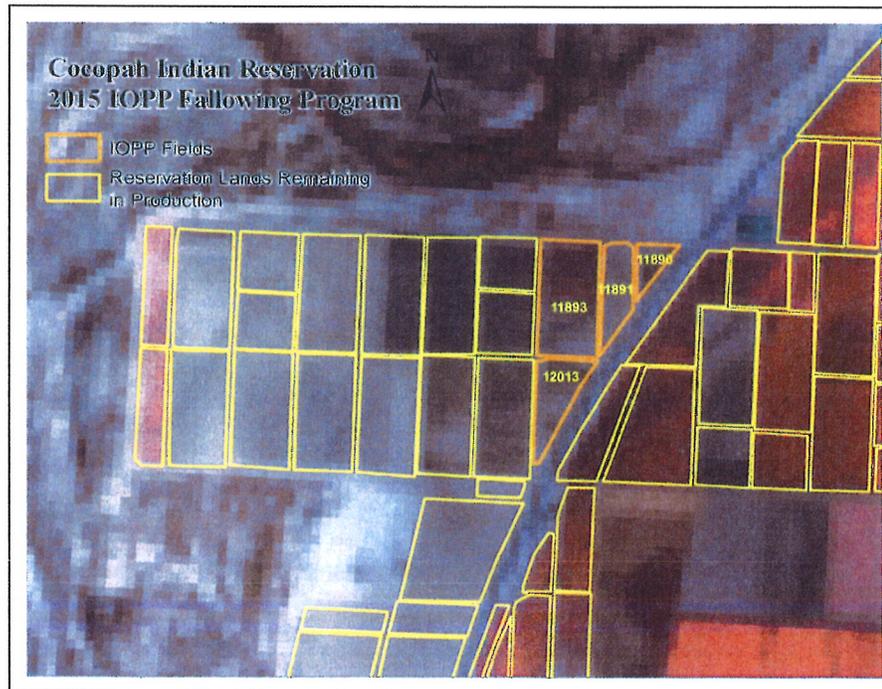


Image date: December 8, 2015. Comments: North half of Field 11893 has moderate infrared (IR) and is vegetated. Fields 11890, 11891 and 12013 has relatively no infrared (IR) reflectance but may have been recently irrigated.

