



POSO CREEK

IRWMP Group | August 2015

2015 IRWMP Implementation Proposal

Attachment 1 - Authorization and Eligibility Requirements (7 of 9)



**NORTH KERN WATER
STORAGE DISTRICT**

North Kern Water Storage District
33380 Cawelo Avenue
Bakersfield, CA 93308



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Attachment 1 – Authorization and Eligibility Requirements (7 of 9)

This attachment is divided into separate parts per instructions in the 2015 IRWM Proposal Solicitation Package (PSP). For these parceled attachments all referenced figures and supporting documentation are provided at the end of the document. Supporting documentation is not isolated, such as in numbered appendices, but is rather simply included in the attachment with the implication of a direct connection to the attachment part.

1.7. SURFACE WATER DIVERTER COMPLIANCE

The surface water diverters that will receive funding from the proposed grant include only North Kern WSD. North Kern has submitted surface water diversion reports for diversions from the Kern River to the State Water Resources Control Board (SWRCB) in compliance with requirements outlined in Part 5.1 (commencing with §5100) of Division 2 of the CWC. Since North Kern is required to submit these reports on three year intervals, the most recent reports for years 2012, 2013, and 2014 are included with this attachment. Contact information for North Kern is also provided with this attachment.

Poso Creek IRWM Group 2015 IRWM Implementation Proposal Authorization and Eligibility Requirements

Applicant Contact Information

As referenced within the document, the North Kern Point of Contact (POC) is as follows:

North Kern Water Storage District

Contact Name	Ram Venkatesan, P.E.
Contact Title	District Engineer
Affiliation	North Kern Water Storage District
Contact Address	33380 Cawelo Avenue Bakersfield, CA 93308
Contact Phone Number(s)	(661) 393-2696 – Office (661) 302-3530 – Cellular (661) 393-6884 – Fax
Contact E-mail Address	ram@northkernwsd.com

The following is the POC for LHUD:

Lost Hills Utility District

Contact Name	Amando Garza, P.E.
Contact Title	Civil Senior Principal Engineer
Affiliation	CannonCorp Consulting Engineers (for Lost Hills Utility District)
Contact Address	1050 Southwood Drive San Luis Obispo, CA 93401
Contact Phone Number(s)	(805) 544-7407 – Office (661) 319-1678 – Cellular (805) 544-3863 – Fax
Contact E-mail Address	amandog@cannoncorp.us

For matters involving the physical location of the project for Lost Hills, the POC for Semitropic WSD is as follows:

Semitropic Water Storage District

Contact Name	Paul M. Oshel
Contact Title	District Engineer
Affiliation	Semitropic Water Storage District
Contact Address	1101 Central Avenue Wasco, CA 93280
Contact Phone Number(s)	(661) 758-5113 – Office (661) 758-3219 – Fax
Contact E-mail Address	poshel@semitropic.com

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2012

Primary Owner: NORTH KERN WATER STORAGE DISTRICT
 Statement Number: S002124
 Date Submitted: 2015-07-28

1. Water is used under	Pre-1914 Claim
2. Year diversion commenced	1873

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used				
Month	Rate of diversion (GFS) <i>AF</i>	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January	15088	0	15088	15088
February	6952	0	6952	6952
March	3537	0	3537	3537
April	11830	0	11830	11830
May	8904	0	8904	8904
June	146	0	146	146
July	0	0	0	0
August	0	0	0	0
September	177	0	177	177
October	548	0	548	548
November	5257	0	5257	5257
December	13020	0	13020	13020
Total		0	65459	65459
Comments				

Water Transfers	
8e. Water transferred	No
8f. Quantity transferred (Acre-Feet)	
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	Yes
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2012	
8q. Amount (Acre-Feet) projected for 2013	

8r. Exchange or settlement of prior rights	No
8s. All monthly reported diversion claimed under the prior rights	
8t. Amount (Acre-Feet) of reported diversion solely under contract	

5. Water Diversion Measurement

a. Measurement	Water directly diverted and/or diverted to storage was measured
b. Types of measuring devices used	Staff gage and storage capacity curve
c. Additional technology used	
Description of additional technology used	
d. Who installed your measuring device(s)	Other/Unknown: US Army Corps-Engineers
e. Make, model number, and last calibration date of your measuring device(s)	
f. Why direct measurement using a device listed in Section 1 is "not locally cost effective"	
Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	
Method(s) used as an alternative to direct measurement	
g. Explanation of method(s) used as an alternative to direct measurement	

6. Purpose of Use

Irrigation	55570 Acres
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7. Changes in Method of Diversion

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8. Conservation of Water

a. Are you now employing water conservation efforts?	Yes
Describe any water conservation efforts you have initiated	North Kern WSD has practiced conservation efforts, recharge and recovery since 1950.
Amount of water conserved	Acre-Feet
b. I have data to support the above surface water use reductions due to conservation efforts.	Yes

9. Water Quality and Wastewater Reclamation

a. Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
Amount of reduced diversion	
Type of substitute water supply	
b. Amount of substitute water supply used	
I have data to support the above surface water use reductions due to the use of a substitute water supply	

10. Conjunctive Use of Surface Water and Groundwater

a. Are you now using groundwater in lieu of surface water?	Yes
b. Amount of groundwater used	

	107429 Acre-Feet
I have data to support the above surface water use reductions due to the use of groundwater.	Yes

11a. Additional Remarks

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Fernando
Last Name	Rizo
Relation to Water Right	Diverter of Record
The information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2013

Primary Owner: NORTH KERN WATER STORAGE DISTRICT
 Statement Number: S002124
 Date Submitted: 2015-07-28

1. Water is used under	Pre-1914 Claim
2. Year diversion commenced	1873

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used				
Month	Rate of diversion (CFS) AF	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January	7146	0	7146	7146
February	65	0	65	65
March	99	0	99	99
April	235	0	235	235
May	610	0	610	610
June	60	0	60	60
July	4	0	4	4
August	140	0	140	140
September	0	0	0	0
October	0	0	0	0
November	3256	0	3256	3256
December	6237	0	6237	6237
Total		0	17852	17852
Comments				

Water Transfers	
8e. Water transfered	No
8f. Quantity transfered (Acre-Feet)	
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2013	
8q. Amount (Acre-Feet) projected for 2014	

8r. Exchange or settlement of prior rights	
8s. All monthly reported diversion claimed under the prior rights	
8t. Amount (Acre-Feet) of reported diversion solely under contract	

5. Water Diversion Measurement	
a. Measurement	Water directly diverted and/or diverted to storage was measured
b. Types of measuring devices used	Staff gage and storage capacity curve
c. Additional technology used	
c. Description of additional technology used	
d. Who installed your measuring device(s)	Other/Unknown: US Army Corps-Engineers
e. Make, model number, and last calibration date of your measuring device(s)	
f. Why direct measurement using a device listed in Section 1 is "not locally cost effective"	
f. Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	
Method(s) used as an alternative to direct measurement	
g. Explanation of method(s) used as an alternative to direct measurement	

6. Purpose of Use	
Irrigation	55570 Acres

7. Changes in Method of Diversion	

8. Conservation of Water	
a. Are you now employing water conservation efforts?	Yes
a. Describe any water conservation efforts you have initiated	North Kern WSD has practiced conservation efforts, recharge and recovery since 1950.
Amount of water conserved	Acre-Feet
b. I have data to support the above surface water use reductions due to conservation efforts.	Yes

9. Water Quality and Wastewater Reclamation	
a. Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
Amount of reduced diversion	
Type of substitute water supply	
b. Amount of substitute water supply used	
I have data to support the above surface water use reductions due to the use of a substitute water supply	

10. Conjunctive Use of Surface Water and Groundwater	
a. Are you now using groundwater in lieu of surface water?	Yes
b. Amount of groundwater used	

	140551 Acre-Feet
I have data to support the above surface water use reductions due to the use of groundwater.	Yes

11a. Additional Remarks

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Fernando
Last Name	Rizo
Relation to Water Right	Diverter of Record
The information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

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Primary Owner: NORTH KERN WATER STORAGE DISTRICT

Statement Number: S002124

Date Submitted: 2015-07-28

1. Water is used under	Pre-1914 Claim
2. Year diversion commenced	1873

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used				
Month	Rate of diversion (CFS) AF	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January	369	0	369	369
February	278	0	278	278
March	1070	0	1070	1070
April	2687	0	2687	2687
May	1181	0	1181	1181
June	79	0	79	79
July	0	0	0	0
August	8	0	8	8
September	0	0	0	0
October	0	0	0	0
November	1900	0	1900	1900
December	7258	0	7258	7258
Total		0	14830	14830
Comments				

Water Transfers	
8e. Water transfered	No
8f. Quantity transfered (Acre-Feet)	
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2014	
8q. Amount (Acre-Feet) projected for 2015	

8r. Exchange or settlement of prior rights	
8s. All monthly reported diversion claimed under the prior rights	
8t. Amount (Acre-Feet) of reported diversion solely under contract	

5. Water Diversion Measurement	
a. Measurement	Water directly diverted and/or diverted to storage was measured
b. Types of measuring devices used	Staff gage and storage capacity curve
c. Additional technology used	
c. Description of additional technology used	
d. Who installed your measuring device(s)	Other/Unknown: US Army Corps-Engineers
e. Make, model number, and last calibration date of your measuring device(s)	
f. Why direct measurement using a device listed in Section 1 is "not locally cost effective"	
f. Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	
g. Method(s) used as an alternative to direct measurement	
g. Explanation of method(s) used as an alternative to direct measurement	

6. Purpose of Use	
Irrigation	55570 Acres

7. Changes in Method of Diversion	

8. Conservation of Water	
a. Are you now employing water conservation efforts?	Yes
a. Describe any water conservation efforts you have initiated	North Kern WSD has practiced conversation efforts, recharge and recovery since 1950.
b. Amount of water conserved	Acre-Feet
b. I have data to support the above surface water use reductions due to conservation efforts.	Yes

9. Water Quality and Wastewater Reclamation	
a. Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b. Amount of reduced diversion	
b. Type of substitute water supply	
b. Amount of substitute water supply used	
b. I have data to support the above surface water use reductions due to the use of a substitute water supply	

10. Conjunctive Use of Surface Water and Groundwater	
a. Are you now using groundwater in lieu of surface water?	Yes
b. Amount of groundwater used	

	132150 Acre-Feet
I have data to support the above surface water use reductions due to the use of groundwater.	Yes

11a. Additional Remarks

Attachments		
File Name	Description	Size
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Fernando
Last Name	Rizo
Relation to Water Right	Diverter of Record
The information in the report is true to the best of his/her knowledge and belief	Yes

NORTH KERN WATER STORAGE DISTRICT

Year: 2012

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSR River Entitlement	3,633	2,439	111	7,854	8,408	146	0	0	0	0	0	0	22,591
Release	11,455	4,513	3,426	3,976	496	0	0	0	177	548	5,257	13,020	42,868
ENTITLEMENT + OR - RELEASE	15,088	6,952	3,537	11,830	8,904	146	0	0	177	548	5,257	13,020	65,459
From KRC & Irr. Company	36	0	0	342	289	0	0	0	0	0	0	0	667
From City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
From Isabella Reservoir Storage	1,497	2,214	1,537	155	3,007	13,242	19,697	11,652	1,052	1,429	397	825	56,694
From Improvement District No. 4	0	0	0	0	0	0	0	0	0	0	0	0	0
From Buena Vista WSD	0	0	0	0	0	0	0	0	0	0	0	4	4
From Kern Delta WD	0	0	0	0	0	0	0	0	0	0	0	0	0
To City of Bakersfield	1,003	571	0	0	0	0	0	0	0	0	0	0	1,574
To Improvement District #4	0	0	0	0	0	0	0	0	0	0	0	0	0
To Cawelo WD	522	0	0	0	0	0	2,317	2,509	232	0	0	0	5,580
To Kern Delta WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Reservoir Storage	4,832	612	67	7,921	3,831	0	0	0	0	18	1,832	2,387	21,500
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED FROM RIVER	10,264	7,983	5,007	4,406	8,369	13,388	17,370	9,143	997	1,959	3,822	11,462	94,170
Loss to Seventh Standard Line	36	58	61	60	61	60	61	61	60	44	48	61	671
NKWSR Deep Well Production	0	1,121	6,054	9,717	13,388	15,139	15,554	15,251	14,229	13,170	3,806	0	107,429
Non-District Deep Well Production	61	0	107	1,670	2,628	3,654	3,876	2,142	286	0	0	0	14,424
Poso Creek Natural Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Inflow to Poso Creek	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Inflow to 8-1-0 Lateral	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch Improvement District	48	0	0	0	0	0	0	0	0	0	0	0	48
Semitropic WSD via Poso Creek	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC Conduit "A" Inflow	0	0	0	0	0	0	0	250	2,509	2,061	0	0	4,820
TOTAL DISTRICT SUPPLY	10,241	10,570	11,107	15,733	24,324	32,121	36,739	26,725	17,961	17,146	7,580	11,401	221,648
Class 1 Irrigation Deliveries	1,622	3,765	5,076	6,150	10,368	14,565	14,690	11,486	7,014	7,617	2,977	926	86,256
Class 2 Irrigation Deliveries	1,192	3,662	3,489	4,708	7,456	9,344	10,078	7,236	5,292	4,092	2,059	1,267	59,875
NKWSR to K-T via FK Irrigation Deliveries	0	0	508	1,288	1,061	1,209	1,182	1,113	0	0	0	0	6,361
NKWSR to DEID via FK Irrigation Deliveries	0	0	0	0	0	0	0	0	442	0	0	0	442
Shafter-Wasco ID Irrigation Deliveries	0	159	292	663	968	2,454	4,405	2,753	1,027	456	0	0	13,177
To KRC & Irr. Company	0	32	0	0	0	0	0	0	0	0	0	0	32
Friant-Kern Canal Pump-In Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL IRRIGATION USE	2,814	7,618	9,365	12,809	19,853	27,572	30,355	22,588	13,775	12,165	5,036	2,193	166,143
District Spreading Ponds (Kern)	2,955	270	0	0	0	0	0	0	0	0	234	2,867	6,326
District Spreading Ponds (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Spreading (Kern)	40	0	0	0	0	0	0	0	0	0	317	629	986
Poso Creek Spreading (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SPREADING	2,995	270	0	551	3,496	7,312							
TOTAL DISTRICT USE	5,809	7,888	9,365	12,809	19,853	27,572	30,355	22,588	13,775	12,165	5,587	5,689	173,455
Total NKWSR Canal Loss	4,432	2,682	1,742	2,924	4,471	4,549	6,384	4,137	4,186	4,981	1,993	5,712	48,193
Into Reservoir Storage	4,832	612	67	7,921	3,831	0	0	0	0	0	18	1,832	21,500
Reservoir Evaporation Loss	464	541	704	875	1,420	1,555	1,427	936	615	420	244	173	9,374
From Reservoir Storage	1,497	2,214	1,537	155	3,007	13,242	19,687	11,652	1,052	1,429	397	825	56,694
END OF MONTH RESERVOIR STORAGE	62,932	60,789	58,615	65,506	64,910	50,113	28,999	16,411	14,744	12,913	14,104	15,493	

NORTH KERN WATER STORAGE DISTRICT

Year: 2013

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWS River Entitlement	395	0	0	125	610	60	4	0	0	0	0	0	1,194
Release	6,751	65	99	110	0	0	0	140	0	0	3,256	6,237	16,658
ENTITLEMENT + OR - RELEASE	7,146	65	99	235	610	60	4	140	0	0	3,256	6,237	17,852
From KRC & Irr. Company	0	0	0	0	0	0	0	0	0	0	0	0	0
From City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
From Isabella Reservoir Storage	2,505	4,244	0	906	0	2,507	1,830	0	0	0	37	0	12,029
From Improvement District No. 4	0	0	0	0	0	0	0	0	0	0	0	0	0
From Buena Vista WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
From Kern Delta WD	0	0	0	0	0	0	0	0	0	0	0	0	0
To City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
To Improvement District #4	6,774	4,039	0	0	0	0	0	0	0	0	0	0	10,813
To Cawelo WD	0	0	0	0	0	0	0	0	0	0	0	0	0
To Kern Delta WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Reservoir Storage	448	0	0	34	610	60	4	90	0	0	3,172	5,781	10,199
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED FROM RIVER	2,429	270	99	1,107	0	2,507	1,830	50	0	0	121	456	8,869
Loss to Seventh Standard Line	36	10	1	11	61	60	58	18	0	0	10	44	309
NKWS Deep Well Production	0	8,218	11,446	17,865	18,613	19,250	19,148	15,786	12,593	10,983	6,022	627	140,551
Non-District Deep Well Production	0	0	292	2,083	4,834	5,282	5,695	5,068	3,606	2,475	0	0	29,335
Poso Creek Natural Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Inflow to Poso Creek	0	0	0	0	0	0	0	0	0	0	0	0	0
Semitropic WSD to NKWS via FK/8-1	0	0	0	0	0	0	2,266	707	0	0	0	0	2,973
Rosedale Ranch Improvement District	0	0	0	0	0	0	0	0	0	0	0	0	0
Semitropic WSD via Poso Creek	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC Conduit "A" Inflow	0	0	0	46	4,098	1,910	1,853	565	0	0	0	0	8,472
TOTAL DISTRICT SUPPLY	2,393	8,478	11,836	21,090	27,484	28,899	30,734	22,158	16,199	13,458	6,133	1,039	189,891
Class 1 Irrigation Deliveries	440	1,940	3,714	9,072	12,163	13,652	15,485	10,820	6,847	6,498	3,263	627	84,521
Class 2 Irrigation Deliveries	365	1,989	3,191	5,225	7,652	7,803	7,438	5,516	3,985	2,944	1,412	192	47,712
NKWS to K-T via FK Irrigation Deliveries	0	0	0	0	1,061	994	480	359	1,080	635	0	0	4,609
NKWS to DEID via FK Irrigation Deliveries	0	977	1,338	1,182	0	0	0	0	0	607	0	0	4,104
Shafter-Masco ID Irrigation Deliveries	0	760	181	900	1,403	306	988	1,577	1,352	1,027	409	0	8,903
NKWS to Cawelo	0	0	0	0	0	0	1,216	270	0	674	0	0	0
To KRC & Irr. Company	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Canal Pump-In Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL IRRIGATION USE	805	5,666	8,424	16,379	22,279	22,755	23,175	18,002	13,264	11,037	5,084	819	147,689
District Spreading Ponds (Kern)	914	0	0	0	0	0	0	0	0	0	0	0	914
District Spreading Ponds (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Spreading (Kern)	115	0	0	0	0	0	0	0	0	0	0	0	115
Poso Creek Spreading (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SPREADING	1,029	0	0	0	0	0	0	0	0	0	0	0	1,029
TOTAL DISTRICT USE	1,834	5,666	8,424	16,379	22,279	22,755	23,175	18,002	13,264	11,037	5,084	819	148,718
Total NKWS Canal Loss	559	2,812	3,412	4,711	5,205	6,134	7,559	4,156	2,935	2,421	1,049	220	41,173
Into Reservoir Storage	448	0	0	34	610	60	4	90	0	0	3,172	5,781	10,199
Reservoir Evaporation Loss	187	153	198	224	252	307	206	194	177	149	126	176	2,349
From Reservoir Storage	2,505	4,244	0	906	0	2,507	1,830	0	0	0	37	0	12,029
END OF MONTH RESERVOIR STORAGE	13,249	8,852	8,654	7,558	7,916	5,162	3,130	3,026	2,849	2,700	5,709	11,314	

(2/60)

NORTH KERN WATER STORAGE DISTRICT

Year: 2014

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD River Entitlement	0	252	0	0	388	79	0	8	0	0	0	0	727
Release	369	26	1,070	2,687	793	0	0	0	0	0	1,900	7,258	14,103
ENTITLEMENT + OR - RELEASE	369	278	1,070	2,687	1,181	79	0	8	0	0	1,900	7,258	14,830
From KRC & Irr. Company	0	0	0	0	0	0	0	0	0	0	0	0	0
From City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
From Isabella Reservoir Storage	22	97	0	510	817	2,731	6,590	66	0	0	0	533	11,366
From Improvement District No. 4	0	0	0	0	0	0	0	0	0	0	0	0	0
From Buena Vista WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
From Kern Delta WD	0	0	0	0	0	0	0	0	0	0	0	0	0
To City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
To Improvement District #4	0	0	0	0	0	166	0	0	0	0	0	0	166
To Cawelo WD	0	0	0	0	0	0	0	0	0	0	0	0	0
To Kern Delta WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Reservoir Storage	369	234	320	324	215	18	0	8	0	0	1,685	843	4,016
Other	0	0	0	0	0	0	0	0	0	0	0	4	4
TOTAL DIVERTED FROM RIVER	22	141	750	2,873	1,783	2,626	6,590	66	0	0	215	6,952	22,018
Loss to Seventh Standard Line	2	6	18	59	42	60	49	2	0	0	0	0	238
NKWSD Deep Well Production	4,033	9,404	8,472	12,720	16,459	17,213	13,020	13,020	13,020	13,196	5,072	1,718	132,150
Non-District Deep Well Production	0	0	0	1,787	6,015	5,679	6,633	5,207	4,374	1,700	30	0	31,425
Poso Creek Natural Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Inflow to Poso Creek	0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo to NKWSD	821	0	1,561	26	0	0	0	0	0	0	0	0	2,408
Semitropic WSD to NKWSD via FK/8-1	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch Improvement District	0	0	0	0	0	0	0	0	0	0	0	0	0
Semitropic WSD via Poso Creek	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC Conduit "A" Inflow	0	0	0	0	0	613	85	0	0	0	0	0	698
TOTAL DISTRICT SUPPLY	4,874	9,539	10,765	17,347	24,215	26,681	30,472	18,291	17,394	14,896	5,317	8,670	188,461

Class 1 Irrigation Deliveries	1,162	3,229	4,354	8,539	12,286	14,828	15,295	9,320	8,045	6,274	1,539	222	84,893
Class 2 Irrigation Deliveries	526	2,105	2,634	4,225	5,113	5,530	6,589	3,890	3,830	2,910	760	169	38,281
NKWSD to K-T via FK Irrigation Deliveries	0	573	773	1,229	1,527	998	910	1,209	381	492	381	0	8,473
NKWSD to DEID via FK Irrigation Deliveries	1,089	1,155	0	0	0	0	0	0	985	1,159	726	0	5,114
Shafter-Wasco ID Irrigation Deliveries	21	897	373	653	954	202	151	262	303	234	143	0	4,193
OMW to K-Tulare	0	0	0	0	85	127	111	111	119	123	87	0	733
OMW to Cawelo	0	0	0	0	85	157	119	123	119	123	20	0	746
Nickel LLC to Cawelo	0	0	0	0	0	135	36	460	0	910	952	0	171
NKWSD to Cawelo	0	0	0	0	0	0	0	0	46	40	38	0	2,322
Shafter-Wasco ID to NKWSD	0	0	0	0	0	0	0	0	0	0	0	0	124
Friant-Kern Canal Pump-In Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL IRRIGATION USE	2,798	7,959	8,134	14,646	19,710	20,985	22,663	13,987	13,352	9,953	2,528	391	137,106
District Spreading Ponds (Kern)	0	0	0	0	0	0	0	0	0	0	0	3,733	3,733
District Spreading Ponds (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Spreading (Kern)	0	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Spreading (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SPREADING	0	0	0	0	0	0	0	0	0	0	0	3,733	3,733
TOTAL DISTRICT USE	2,798	7,959	8,134	14,646	19,710	20,985	22,663	13,987	13,352	9,953	2,528	4,124	140,839
Total NKWSD Canal Loss	2,076	1,580	2,631	2,701	4,505	5,696	7,809	4,304	4,042	4,943	2,789	4,546	47,622

Into Reservoir Storage	369	234	320	324	215	18	0	8	0	0	1,685	843	4,016
Reservoir Evaporation Loss	238	208	319	402	434	426	276	232	198	163	119	97	3,112
From Reservoir Storage	22	97	0	510	817	2,731	2,872	66	0	0	0	533	11,366
END OF MONTH RESERVOIR STORAGE	11,423	11,352	11,353	10,765	9,729	6,590	3,442	3,152	2,954	2,791	4,357	4,570	4,570