JANUARY 1995 - SEPTEMBER 2021 KERN FAN AREA OPERATIONS AND MONITORING REPORT



Prepared by

Kern Fan Monitoring Committee
August 2024

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Kern Fan Monitoring Committee

August 2024

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The data presented in the Kern Fan Area Operations and Monitoring Report for the Kern Water Bank, Pioneer Project, Berrenda Mesa Project, and Improvement District No. 4 are derived from multiple sources and are the best available at the time of publication and subject to change. All supporting data and calculations used to prepare this report for these projects are available for public review through the Kern Fan Monitoring Committee.

Additional projects began self-reporting recharge and recovery operations in 2007 or later. These projects include Buena Vista Water Storage District, Kern Delta Water District, Rosedale-Rio Bravo Water Storage District, West Kern Water District, and the Joint Use Recovery Project. These projects are managed and maintained individually by specific water districts. All supporting data and calculations used to prepare the District's data are available for public review at each of the Districts.

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Chapter 1

KERN FAN OPERATIONS REPORT through September 2021

BACKGROUND

A Memorandum of Understanding (MOU) was developed between the Kern Water Bank (KWB) Authority's project participants and adjoining entities in 1995. As part of the MOU, the Kern Fan Monitoring Committee (Committee) was established to oversee the development and implementation of a monitoring program for the KWB and the surrounding area. From 1997 through 2010, several additional banking projects were developed on Kern Fan. These included Pioneer in 1997, Berrenda Mesa (BMWD) in 1999, Buena Vista Water Storage District (BVWSD) in 2003, Rosedale - Rio Bravo Water Storage District (RRBWSD) in 2003, Kern Delta Water District (KDWD) in 2003, and West Kern Water District (WKWD) in 2010. These projects entered into agreements similar to the KWB MOU, and all agreed to participate in the Committee's monitoring program developed as part of the original MOU. Improvement District No. 4 (ID4) has recovery wells on the Kern Fan as well as in the City of Bakersfield's 2800 Acres (2800 Acres) facility. 2800 Acres consists of recharge ponds but the majority of the recovery wells on 2800 Acres are included in the Pioneer recovery. ID4 started reporting recovery in 2007 and recharge through canal losses in 2017. The Joint Use Recovery Project (JURP) is run through a partnership between RRBWSD and ID4 and is treated as a separate project. JURP recovery started being reported in 2007 and recharge started in 2009.

Recharge and recovery activities on portions of the Kern Fan have been monitored by the Kern County Water Agency (KCWA) or Department of Water Resources (DWR) since the 1980's. Previous reports on the results of the Kern Fan monitoring were prepared to cover specific time periods. There were two reports prepared by KCWA and DWR together and seven prepared solely by KCWA. This report supersedes the previous reports and contains the cumulative data for the projects since inception of the Committee.

The data presented in the Kern Fan Area Operations and Monitoring Report for the Kern Water Bank, Pioneer Project, Berrenda Mesa Project, and Improvement District No. 4 wells are derived from multiple sources and are the best available at the time of publication and subject to change. All supporting data and calculations used to prepare this report for these projects are available for public review through the Kern Fan Monitoring Committee.

Additional projects began self-reporting recharge and recovery operations starting in 2007 or later. These projects include BVWSD, KDWD, RRBWSD, WKWD, and JURP. These projects are managed and maintained individually by specific water districts. All supporting data and calculations used to prepare the District's data are available for public review at each of the Districts.

MONITORING PROGRAM

The monitoring program includes measuring deliveries for recharge and recovery pumping, measuring water levels in wells, and testing well water to assess groundwater quality. The

approximate monitoring area is shown on Plate 1-1. The Committee monitors the operations of the projects and the activities of surrounding groundwater districts. This report documents the results of the monitoring program.

PROJECT OPERATIONS

Recharge activities have been extensive between 1995 and 2021, as shown in Table 1-1 below.

Table 1-1
Summary of Operations (Water Year, October - September)
Recharge by Project (before losses)

Project	BMWD	2800 Acres	KWB	Pioneer	Kern River Channel	BVWSD[1]	RRBWSD[1]	JURP[1]	WKWD[2]	KDWD[2]	ID4[3]	Total
1995	26,649	91,380	139,989	62,274	2,919	-	-	-	-	-	-	**323,211**
1996	14,557	45,333	213,831	51,330	13,601	-	-	-	-	-	-	**338,652**
1997	9,801	15,228	126,683	38,169	5,330	-	-	-	-	-	-	**195,211**
1998	14,959	46,682	278,308	57,357	6,468	-	-	-	-	-	-	**403,774**
1999	6,023	18,907	69,731	21,884	768	-	-	-	-	-	-	**117,313**
2000	1,027	34,486	46,940	22,032	5,956	-	-	-	-	-	-	**110,441**
2001	-	2,539	10,363	1,253	139	-	-	-	-	-	-	**14,294**
2002	-	1,480	13,439	1,434	4,380	-	-	-	-	-	-	**20,733**
2003	419	1,447	4,632	617	8,886	-	-	-	-	-	-	**16,001**
2004	3,172	7,297	53,807	14,566	17,418	-	-	-	-	-	-	**96,260**
2005	29,020	100,497	307,973	93,466	27,662	-	-	-	-	-	-	**558,618**
2006	25,029	58,770	309,404	64,388	3,160	-	-	-	-	-	-	**460,751**
2007	9,174	19,419	70,141	19,386	-	29,325	3,908	-	-	-	-	**151,353**
2008	-	-	-	-	-	32,844	-	-	-	-	-	**32,844**
2009	-	-	-	-	-	35,074	515	1,839	-	-	-	**37,428**
2010	-	-	1,125	-	-	50,438	62,294	14,763	29,615	27,227	-	**185,462**
2011	28,774	34,879	424,279	132,320	12,946	51,255	220,961	26,302	56,691	103,021	-	**1,091,428**
2012	10,067	14,025	93,238	27,293	7,094	36,518	83,592	9,835	30,439	91,141	-	**403,242**
2013	5,750	-	-	-	18	16,232	2,980	2,642	2,885	23,627	-	**54,134**
2014	-	-	-	-	-	-	-	-	228	-	-	**228**
2015	-	-	-	-	-	-	-	-	123	-	-	**123**
2016	-	-	-	-	-	49,008	1,891	2,226	50	-	-	**53,175**
2017	32,939	17,062	494,530	168,453	34,062	105,182	230,016	59,903	53,889	146,006	29,634	**1,371,676**
2018	6,949	19,475	122,062	30,571	8,547	31,234	69,567	20,323	18,617	82,401	24,995	**434,741**
2019	18,936	21,924	302,045	109,400	12,852	72,966	128,567	41,462	22,360	49,018	32,232	**811,762**
2020	7,995	4,239	44,964	13,989	1,778	7,940	29,245	10,492	4,049	15,253	23,074	**163,018**
2021	-	-	3,803	-	-	5,938	10,111	2,313	2,174	756	10,785	**35,880**
	251,240	**555,069**	**3,131,287**	**930,182**	**173,984**	**523,954**	**843,647**	**192,100**	**221,120**	**538,450**	**120,720**	**7,481,753**

[1] - BVWSD, RRBWSD, JURP started reporting data January 2007.

[2] - KDWD and WKWD started reporting data January 2010

[3] - ID4 started reporting recharge data January 2017

Recovery activities have been extensive between 2001 and 2021, as shown in Table 1-2 below.

Table 1-2
Summary of Operations (Water Year, October - September)
Recovery by Project

Project	Pioneer	BMWD	KWB	ID4	JURP[2]	RRBWSD[2]	BVWSD[1,2]	WKWD[3]	KDWD[2]	Total
2001	71,595	19,482	86,404	-	-	-	-	-	-	177,481
2002	25,581	3,436	24,041	-	-	-	-	-	-	53,058
2003	22,907	-	53,601	-	-	-	-	-	-	76,508
2004	13,115	-	27,733	-	-	-	-	-	-	40,848
2005	15,087	589	21,557	-	-	-	-	-	-	37,233
2006	-	-	-	-	-	-	-	-	-	-
2007	67,024	23,022	167,291	6,220	2,302	-	-	-	1,418	267,277
2008	92,273	27,850	246,249	9,478	7,470	-	-	-	9,001	392,321
2009	87,119	29,745	166,703	5,582	6,001	-	-	-	11,853	307,003
2010	44,917	15,117	97,576	1,886	-	-	-	16,840	4,467	180,803
2011	-	-	-	-	-	-	103	20,800	-	20,903
2012	19,314	6,362	94,381	1,319	-	-	1,277	21,107	3,515	147,275
2013	49,754	1,379	171,627	2,252	14,302	12,115	2,995	19,494	20,940	294,858
2014	88,626	23,891	189,962	30,884	21,614	28,818	3,269	33,129	34,963	455,156
2015	59,041	26,298	164,280	39,067	17,237	26,315	1,260	20,429	33,526	387,453
2016	35,534	18,461	63,725	6,069	9,351	8,660	1,458	20,484	23,865	187,607
2017	9,025	1,629	-	470	4,631	1,933	69	15,196	506	33,459
2018	20,595	8,835	40,221	-	2,168	7,192	944	17,629	1,633	99,217
2019	6,446	786	-	-	-	-	151	15,517	-	22,900
2020	55,962	8,679	109,077	5,900	15,442	33,082	2,832	20,339	14,845	266,158
2021	72,448	21,427	158,803	20,058	16,302	65,040	3,118	17,919	27,567	402,682
	856,363	**236,988**	**1,883,231**	**129,185**	**116,820**	**183,155**	**17,476**	**238,883**	**188,099**	**3,850,200**

[1] - BVWSD totals only include district-owned wells. No private well recovery included

[2] - BVWSD, RRBWSD, KDWD, and JURP started reporting recovery data January 2007

[3] - WKWD started reporting data January 2010

Select monitoring well locations used for water level measurements are displayed in Plate 1-2. Select monitoring well locations used for water quality sampling are displayed in Plate 1-3. Recharge facilities used for recharge operations are displayed in Plate 1-4.

MONITORING RESULTS

Select hydrographs are presented which show short-term and long-term trends in groundwater levels (Figure 1-3).

Spring groundwater levels are represented on contour maps in the form of groundwater elevation maps (Plate 1-5) and depth to water level maps (Plate 1-6) annually from 1995 through 2021. Spring groundwater change maps are provided as Plate 1-7. Also included are groundwater level profiles perpendicular and parallel to the Kern River (Figure 1-1 and Figure 1-2).

Semi-annual groundwater quality monitoring as part of the Kern Fan Monitoring Committee Groundwater Quality Sampling Program has been performed on the Kern Fan area regularly. Water quality results from the monitoring wells are in Figure 1-4. Statistical analyses on the water quality results from the monitoring wells are shown in Table 1-3. Various aspects related to the Aqueduct Pump-In Program are displayed in Table 1-4 and Figure 1-5 to Figure 1-8. Salt balance (total dissolved solid load) information is presented in Figures 1-9 and 1-10 as well as Tables 1-5 and 1-6.

Water Level Results

Depth to Water Contours

Plate 1-5-1995 to Plate 1-5-2021 shows depth to water for spring of each year in the middle zone (layer 2, intermediate zone). These maps may not be representative of groundwater depths in the shallowest intervals in a specific area.

Water-Level Elevations

Plate 1-6-1995 to Plate 1-6-2021 shows water-level elevations for spring of each year in the middle zone (layer 2, intermediate zone). These maps are considered representative of its strata tapped by most recovery wells, but may not be representative of groundwater depths in the shallowest intervals in a specific area.

Water-Level Profiles

Figure 1-1 shows spring water-level profiles along a section extending from northwest to southeast through the area. Figure 1-2 shows the water-level profiles from the southwest to the northeast along the Kern River. The period covered by these profiles extends from Spring 1993 to Spring 2021. The water levels that are plotted generally correspond to the middle intervals of the cluster monitoring wells. These are considered representative of water levels in most recovery wells, but aren't necessarily representative of the shallowest groundwater in a specific area. These profiles exhibit a vertical exaggeration of 100:1.

Water-Level Change Map

Plate 1-7-1993/1999 to Plate 1-7-2020/2021 represent water-level changes for various time periods from 1993 to 2021.

Water-Level Hydrographs

Figure 1-3 are groundwater level hydrographs for selected monitoring wells on the Kern Fan. Plate 1-2 depicts the location of these monitoring wells.

Water Quality Results

Water quality samples are collected from monitoring wells and most recovery wells. Canals are sampled for other pump-in programs. Monitoring well water quality data is evaluated and displayed with various

graphs. In addition, a comparison of the concentrations of total dissolved solids (TDS) in recharge water and recovered water is provided to determine whether salinity is being imported into the basin through recharge and recovery activity.

Sampling Programs

Groundwater Quality Monitoring Program – The semi-annual Groundwater Quality Monitoring Program was completed through 2021. This program samples monitoring wells using the Kern Water Bank purge pump unit. Samples are collected and results made available for samples collected on KWB, Pioneer, 2800 Acres, BVWSD, RRBWSD, and KDWD. Semitropic Water Storage District also utilizes the purge pump and collects water quality samples, they do not share the analysis results with the Committee. Prior to sampling each well, three-to-five casing volumes are pumped and frequent measurements are obtained for electrical conductivity, pH, and temperature. The water quality samples are taken when these parameters stabilize. Concentrations of various constituents are determined and reflected on water quality graphs for the individual wells.

Statistical analyses performed on monitoring well water quality data are included. These analyses include data through 2016. The statistical analyses that were determined to most adequately demonstrate whether any significant trends were evident were the Mann-Kendall test and the Sens Slope analysis. The Mann-Kendall test determines if a trend exists in a time-ordered data set. If a trend exists, Sen's Slope Estimator was used to estimate the magnitude of that trend. Table 1-3 displays the summary of these two analyses on the monitoring wells. The boxes that are grayed out do not have enough data points to adequately perform the analysis and the boxes with an '-' have no trend. The Mann-Kendall box displays the p-value if it is under 0.05 and indicates that a trend exists within the 95% confidence level. If a trend is present, the Sens Slope box displays the median Q value, also referred to as Sen's Estimator of Slope as well as the direction of the trend.

Recovery Well Sampling – Water samples were taken for modified Title 22 drinking water analyses from each of the recovery wells that were used on the Kern Water Bank, Pioneer, Berrenda Mesa, and 2800 Acres project during the recovery program. Approximately 80 constituents were included in the initial Title 22 analyses shown on the Table from the Department of Health Services in Appendix B. In all cases, the wells were sampled and the resultant data was reviewed prior to deliveries into the CVC, KWB Canal or the Kern River Canal. This data was used to model potential changes the recovery program deliveries might have on the California Aqueduct and CVC.

Aqueduct and Canal Sampling – The Kern Water Bank Canal and the Cross Valley Canal were sampled regularly. Samples were collected quarterly for the duration of recovery activities. The samples were analyzed for a variety of constituents as part of the Pump-In Program.

Data Evaluation

Water Quality Graphs –Water quality graphs were prepared for several constituents of concern, including TDS, gross alpha activity, nitrate, and arsenic. Time trends in constituent concentrations were evaluated particularly in terms of influences of recharge and recovery operations for the Kern Fan water banking

projects. Water quality data is shown without regard to outliers. The results of the sampling program are found in Figure 1-4.

Total Dissolved Solids (TDS) Ratio

Evaluation of TDS imported into the basin is displayed in Figure 1-9. Total dissolved solids is converted on a monthly basis for recharged water (from mg/l to tons/acre-foot) and annual totals calculated for each water source and project. The equation is:

Solids/Salts Load (Tons) =

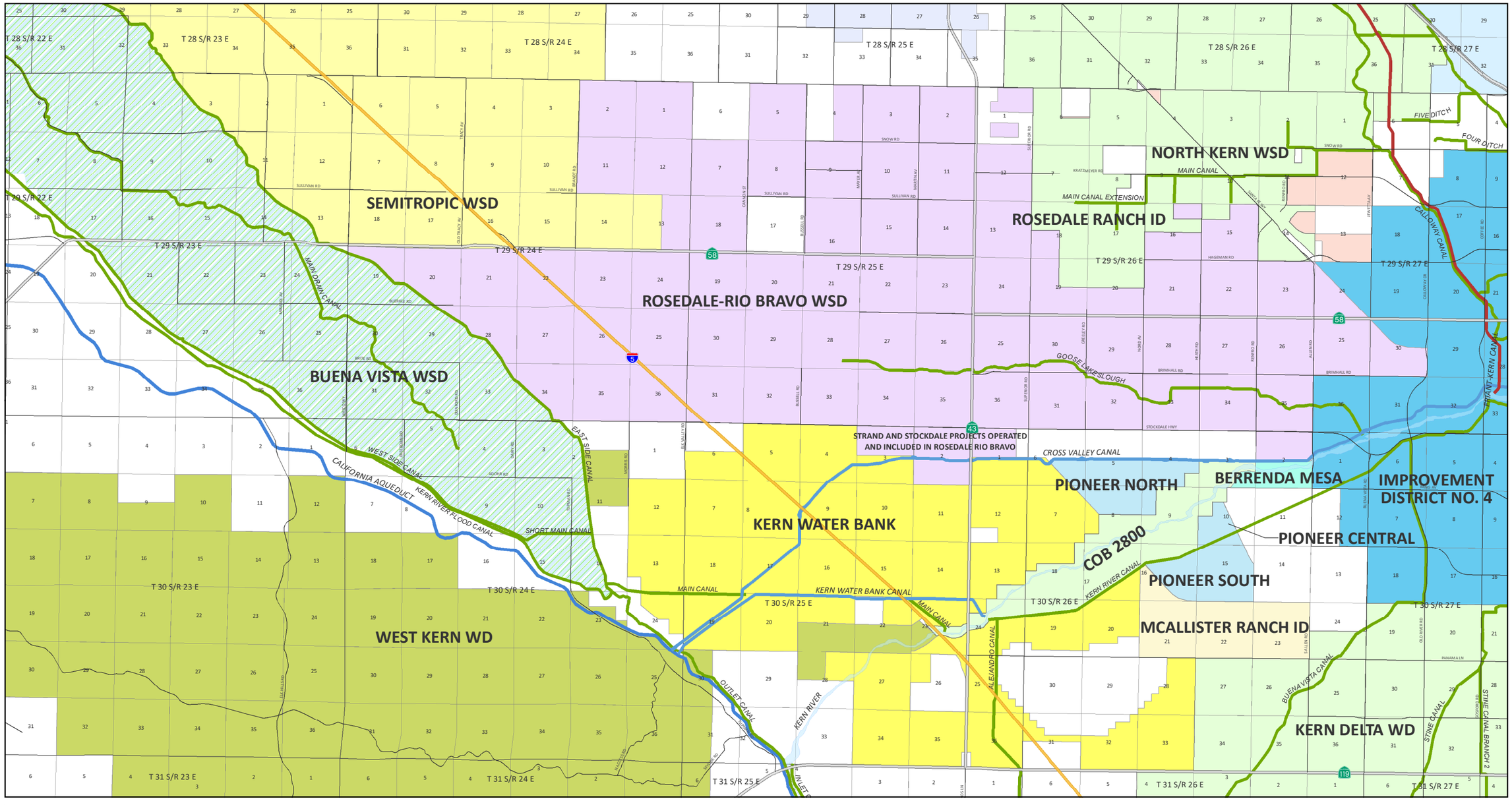
$$\frac{\text{Gross Recharge(Acre-feet) X 43560 (ft}^3\text{/acre-foot) X 7.48 (gallons/ft}^3\text{) X 8.3451 (pounds/gallon) X TDS (mg/l)}}{\text{2000 (pounds/ton) X 1,000,000 (mg/l)}}$$

Solids in tons is added for all of the projects and divided by the total recharge to provide tons/acre-foot.

The TDS in "all-project" recharge water for 1995-2021 was 0.20 tons/acre-foot. The TDS in the cumulative "all-project" recovered water was 0.34 tons/acre-foot. Figure 1-10 shows the cumulative recharge and recovery in the region by source. Table 1-5 shows the recharged TDS brought into the Kern Fan region by project. Table 1-6 shows the historical TDS of state project water at Check 29 of the California Aqueduct. Tables used to calculate the TDS Ratio can be found in Chapter 2.

Recovery Program Water Quality Evaluations – The Department of Water Resources (DWR), downstream stakeholders in the Aqueduct, and Kern County banking interests developed water quality guidelines under which banked groundwater can be introduced into the Aqueduct as shown in Appendix B. These guidelines require that introduced water does not have a detrimental effect on the background water quality.

The DWR prepares a yearly operations report (Bulletin 132) summarizing the effects of the program on water quality in the Aqueduct. These reports are found at the following website as of publication of this report. https://water.ca.gov/programs/state-water-project/management/bulletin-132



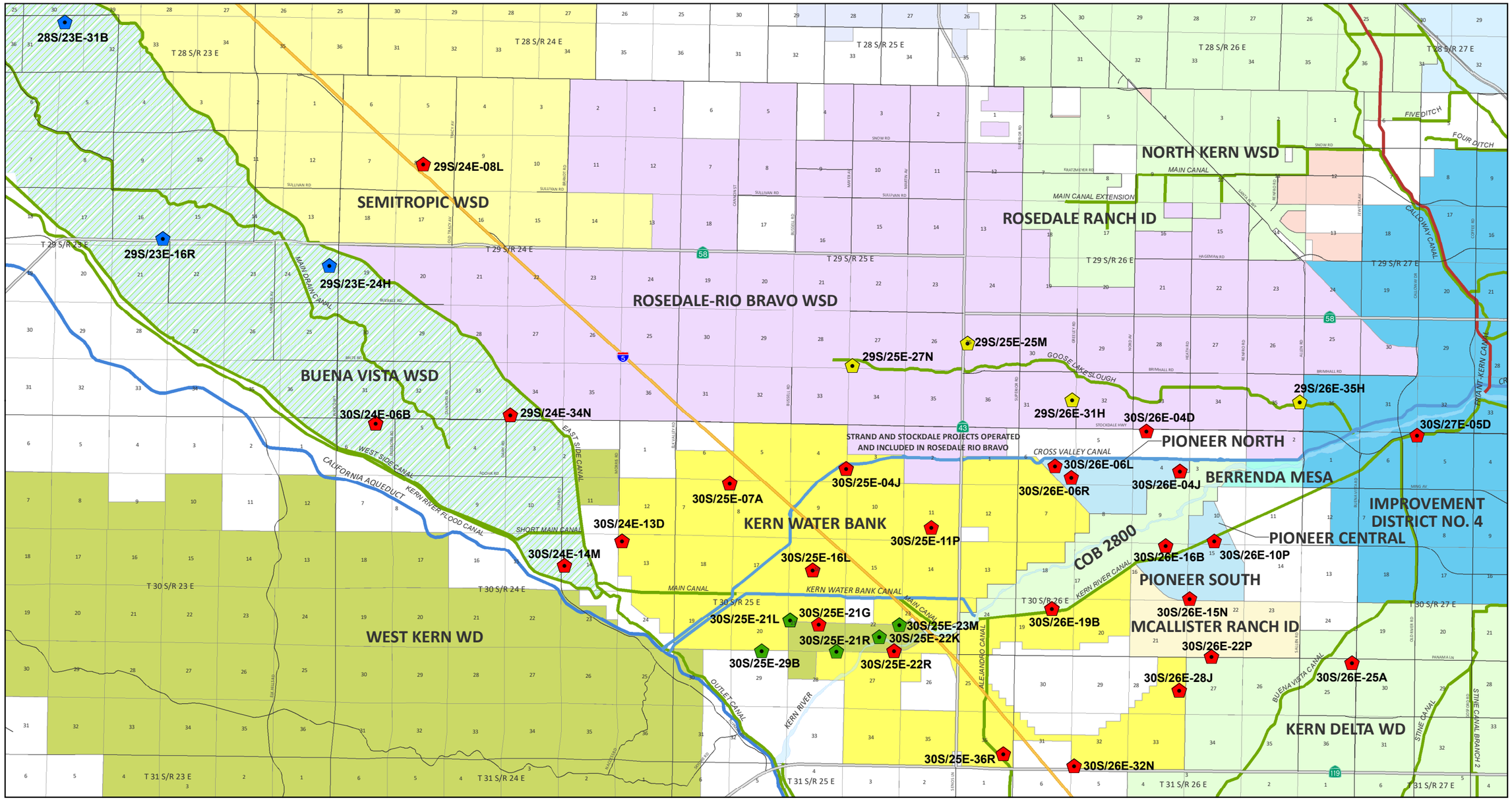
KERN FAN GENERAL VICINITY

PLATE 1-1

Created: 2010-1110, S. CHAMBLESS
Modified: 2017-0921, M. ALLEN
Modified: 2019-0605, M. ALLEN
Modified: 2023-0615, M. ALLEN
Filename: Plate 1-1 General Vicinity.mxd

N

0 0.5 1 2 3 Miles



SELECT KERN FAN MONITORING WELL LOCATIONS FOR WATER LEVEL MEASUREMENTS

PLATE 1-2

Created: 2010-1110, S. CHAMBLESS
Modified: 2017-0921, M. ALLEN
Modified: 2019-0605, M. ALLEN
Modified: 2023-0614, M. ALLEN
Filename: Plate 1-2 Monitoring Well Locations.mxd

Measured by

- Buena Vista Water Storage District
- Kern County Water Agency
- Rosedale-Rio Bravo Water Storage District
- West Kern Water Storage District

0 0.5 1 2 3 Miles

N

SWSD utilizes the purge pump through the KFMC but does not share their water quality results with the Committee

28S/23E-31B
29S/24E-08L
29S/23E-16R
29S/23E-24H
29S/25E-25M
29S/25E-27N
29S/26E-35H
29S/26E-31H
30S/24E-06B
29S/24E-34N
30S/25E-04J
30S/26E-06L
30S/26E-06R
30S/26E-04J
30S/25E-07A
30S/25E-12B
30S/24E-13D
30S/26E-08P
30S/25E-11P
30S/26E-18H
30S/24E-14M
30S/25E-16L
30S/26E-16B
30S/26E-10P
30S/25E-24C
30S/25E-21G
30S/26E-19B
30S/25E-19R
30S/26E-15N
30S/25E-19N
30S/25E-22R
30S/26E-28J
30S/26E-25A
30S/25E-36R
30S/26E-32N

SEMITROPIC WSD
ROSEDALE-RIO BRAVO WSD
BUENA VISTA WSD
WEST KERN WD
KERN WATER BANK
NORTH KERN WSD
ROSEDALE RANCH ID
PIONEER NORTH
BERRENDA MESA
IMPROVEMENT DISTRICT NO. 4
PIONEER CENTRAL
PIONEER SOUTH
MCALLISTER RANCH ID
KERN DELTA WD

STRAND AND STOCKDALE PROJECTS OPERATED AND INCLUDED IN ROSEDALE RIO BRAVO

MAIN CANAL
MAIN CANAL EXTENSION
FIVE DITCH
FOUR DITCH
CALLOWAY CANAL
GOOSE LAKE SLOUGH
CROSS VALLEY CANAL
COB 2800
KERN RIVER CANAL
MAIN DRAIN CANAL
EAST SIDE CANAL
WEST SIDE CANAL
CALIFORNIA AQUEDUCT
KERN RIVER FLOOD CANAL
SHORT MAIN CANAL
KERN WATER BANK CANAL
OUTLET CANAL
KERN RIVER
ALEJANDRO CANAL
BUENA VISTA CANAL
STINE CANAL
STINE CANAL BRANCH 2
BRANT-KERN CANAL

T 28 S/R 23 E
T 28 S/R 24 E
T 28 S/R 25 E
T 28 S/R 26 E
T 28 S/R 27 E
T 29 S/R 23 E
T 29 S/R 24 E
T 29 S/R 25 E
T 29 S/R 26 E
T 29 S/R 27 E
T 30 S/R 23 E
T 30 S/R 24 E
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T 31 S/R 27 E

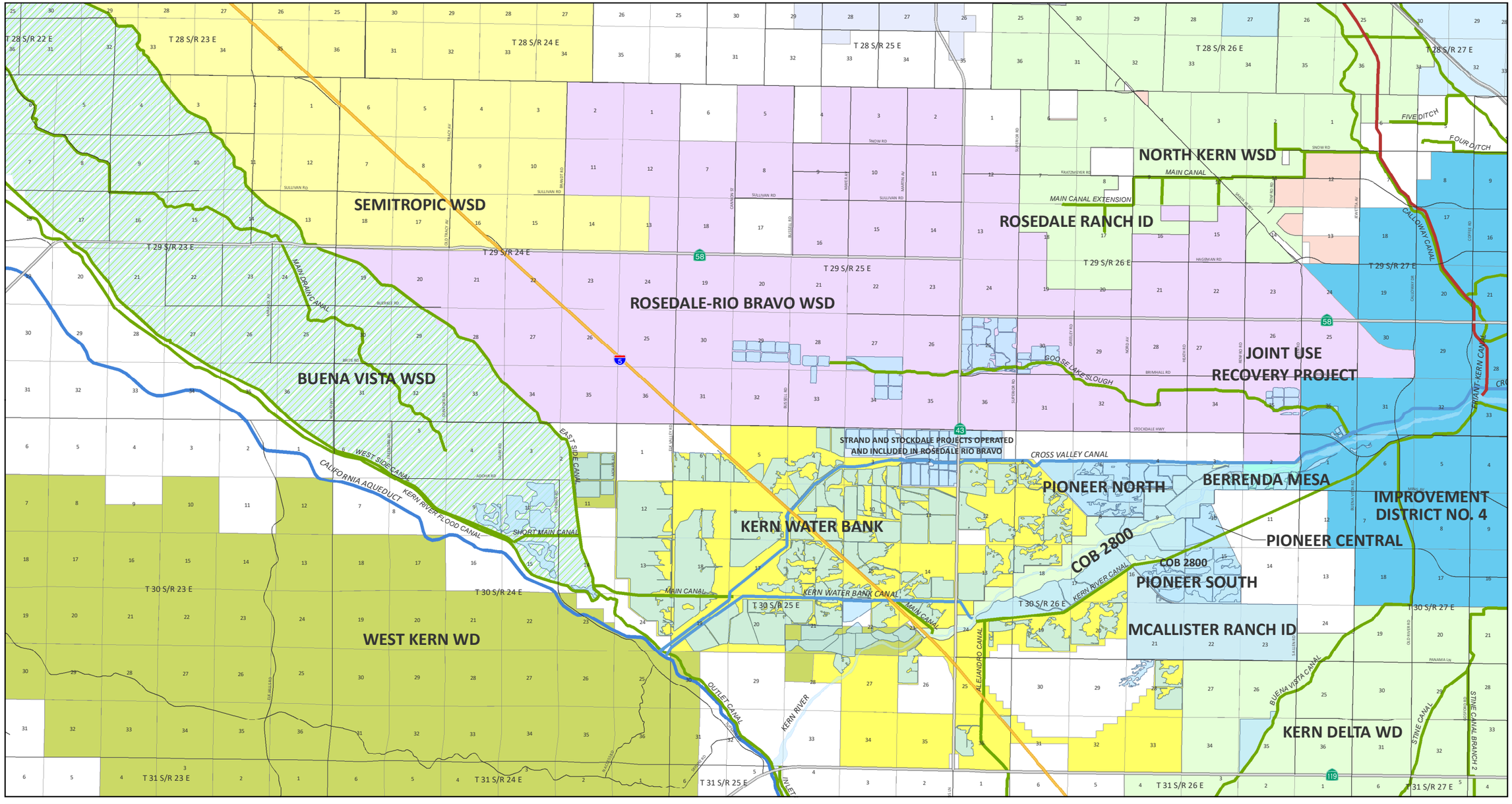
SELECT KERN FAN MONITORING WELL LOCATIONS FOR WATER QUALITY SAMPLING

PLATE 1-3

Created:2023-0614, M. ALLEN
Filename: Plate 1-3 Monitoring Well Quality Locations.mxd

N

0 0.5 1 2 3 Miles





KERN FAN RECHARGE FACILITIES MAP

PLATE 1-4

Created: 2010-1110, S. CHAMBLESS
Modified: 2017-0921, M. ALLEN
Modified: 2019-0605, M. ALLEN
Modified: 2023-0614, M. ALLEN
Filename: Plate 1-4 Recharge Facilities.mxd

N

0 0.5 1 2 3 Miles

Plate 1-5-1995
Depth to Water Level - 1995

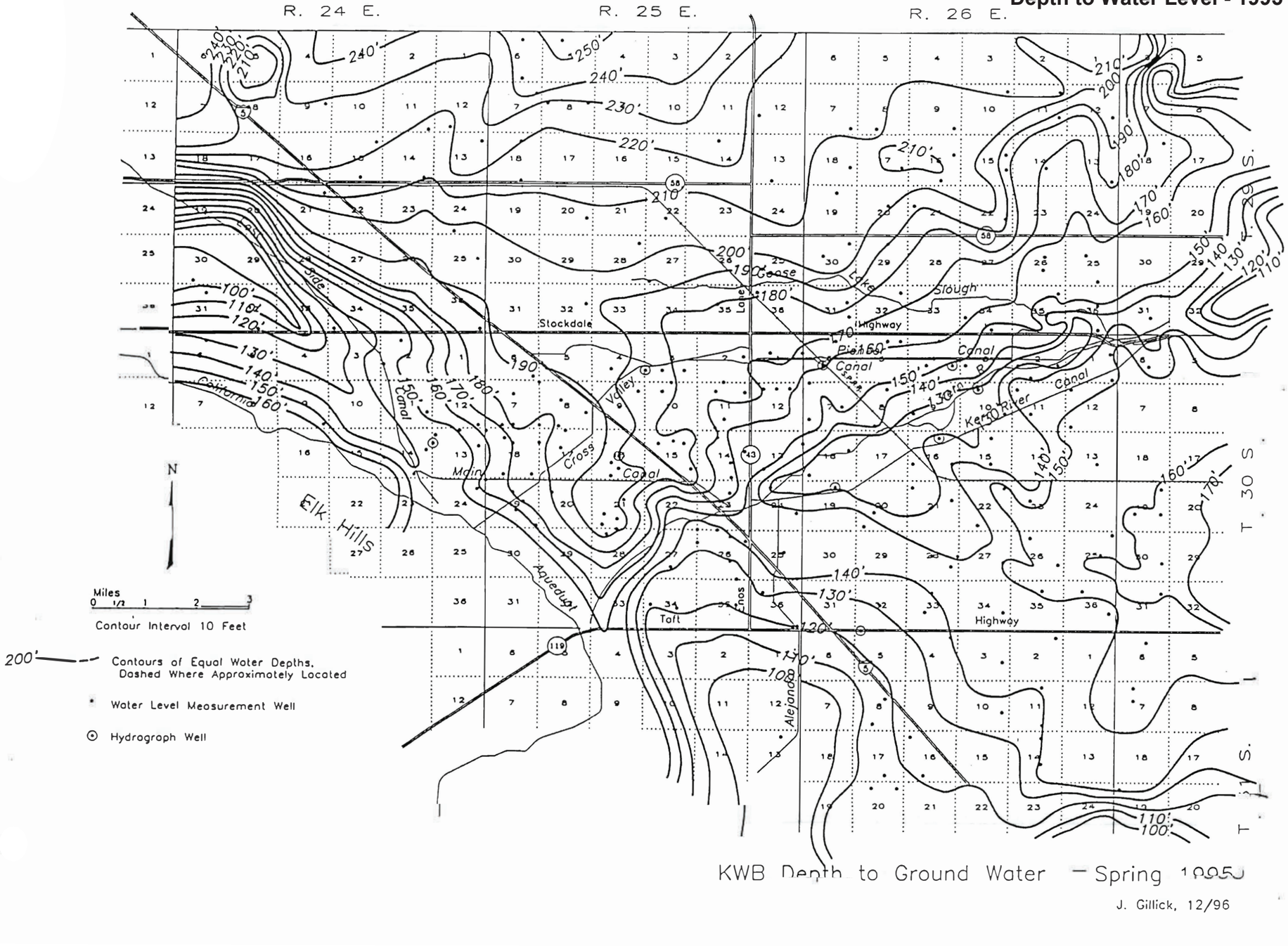
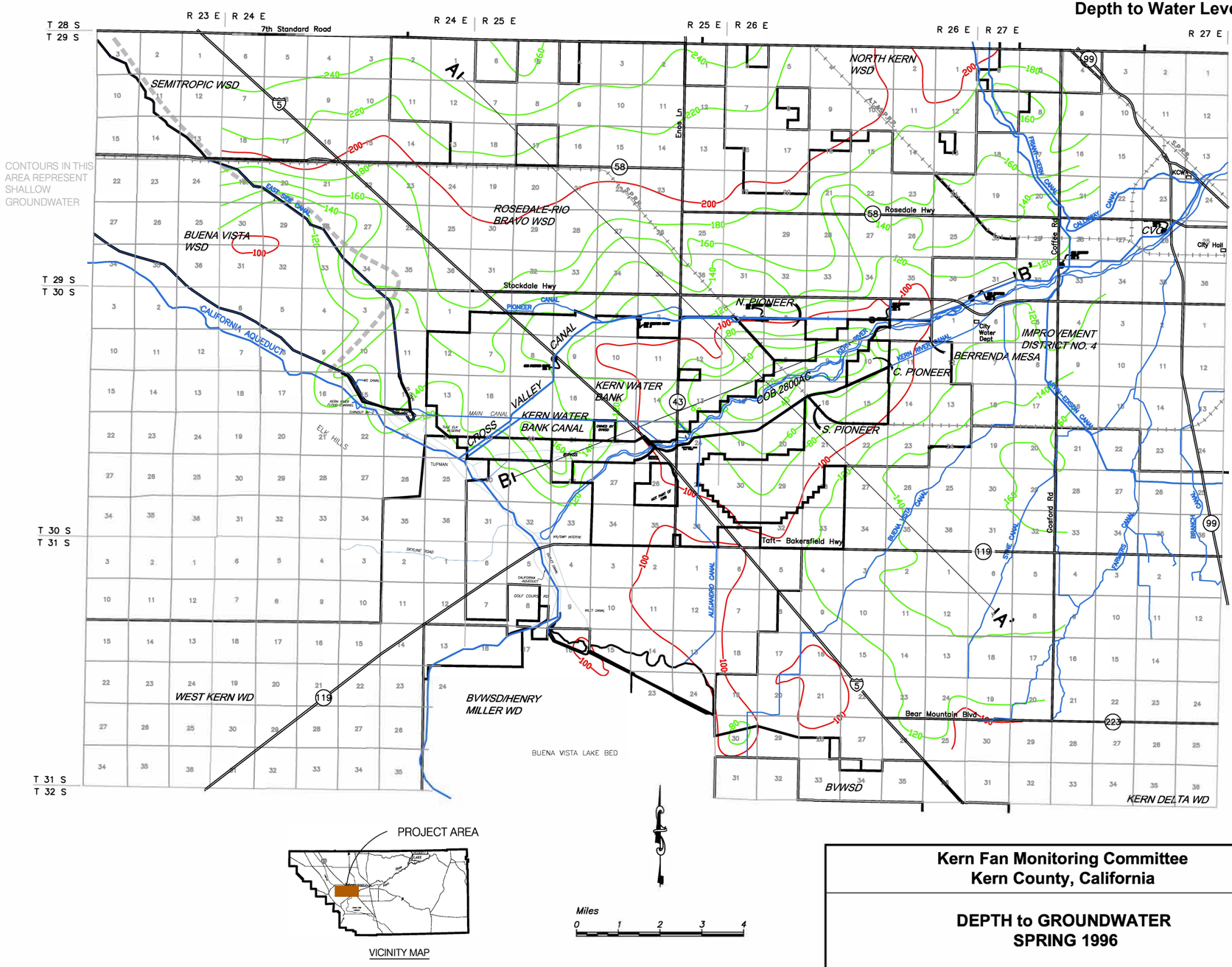


Plate 1-5-1996
Depth to Water Level - 1996

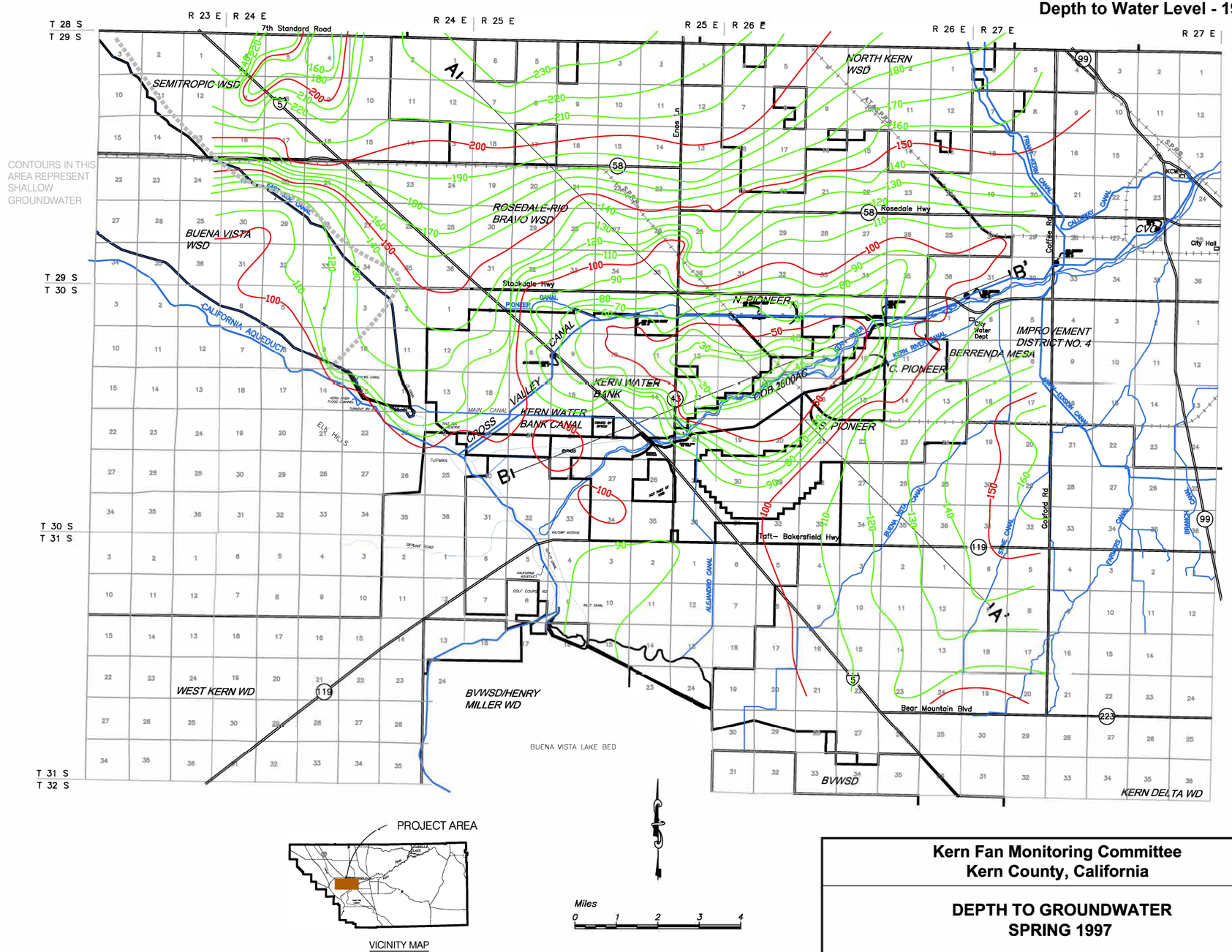


Kern Fan Monitoring Committee
Kern County, California

DEPTH to GROUNDWATER
SPRING 1996

J. Gillick — December 1996

Plate 1-5-1997
Depth to Water Level - 1997

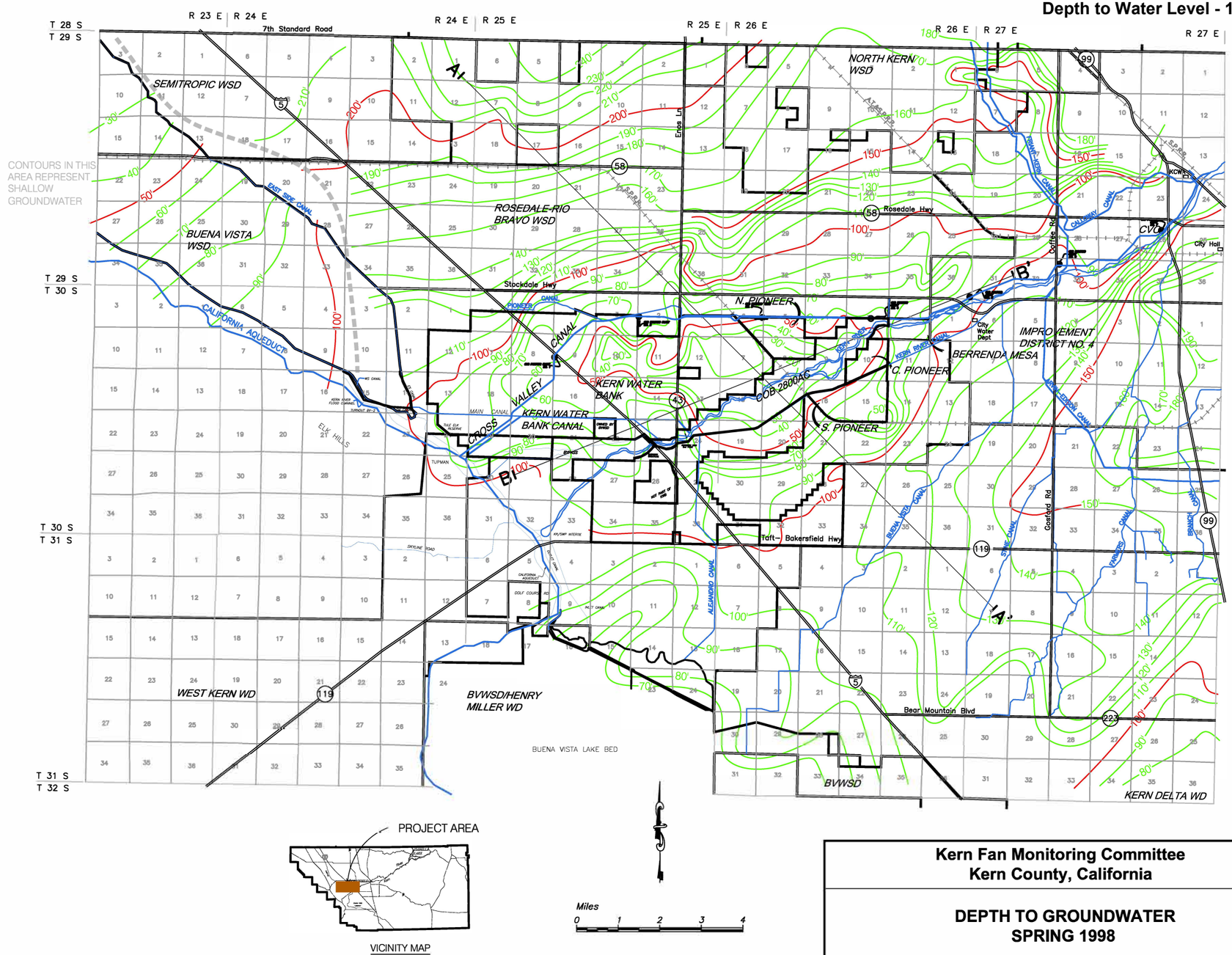


Kern Fan Monitoring Committee
Kern County, California

DEPTH TO GROUNDWATER
SPRING 1997

K.D. SCHMIDT (revised contours) APRIL, 1997
J. GILLICK / T. HASLEBACHER APRIL, 1997

Plate 1-5-1998
Depth to Water Level - 1998

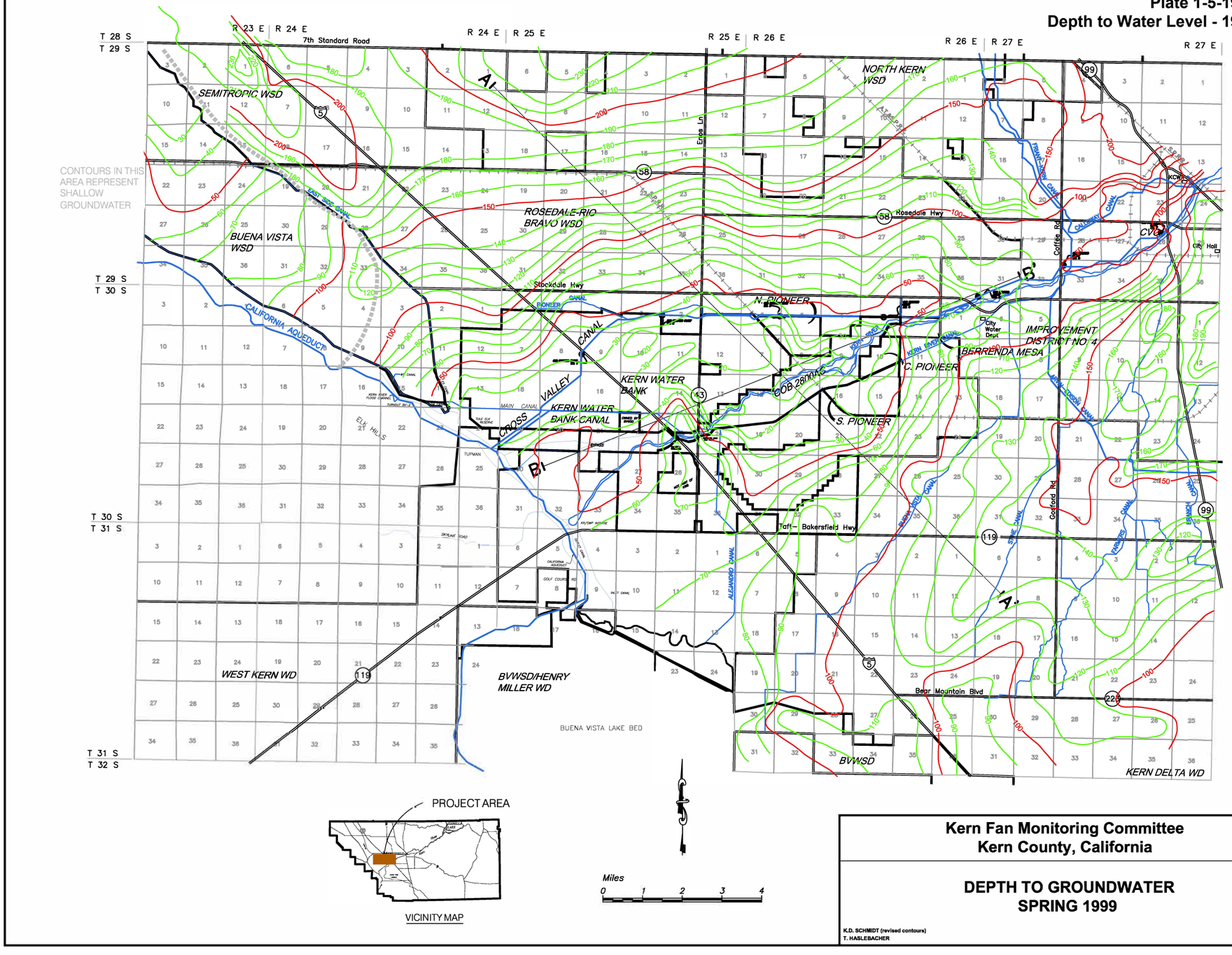


Kern Fan Monitoring Committee
Kern County, California

DEPTH TO GROUNDWATER
SPRING 1998

K.D. SCHMIDT (revised contours) JULY, 1998
J. GILLICK / T. HASLEBACHER JULY, 1998

Plate 1-5-1999
Depth to Water Level - 1999

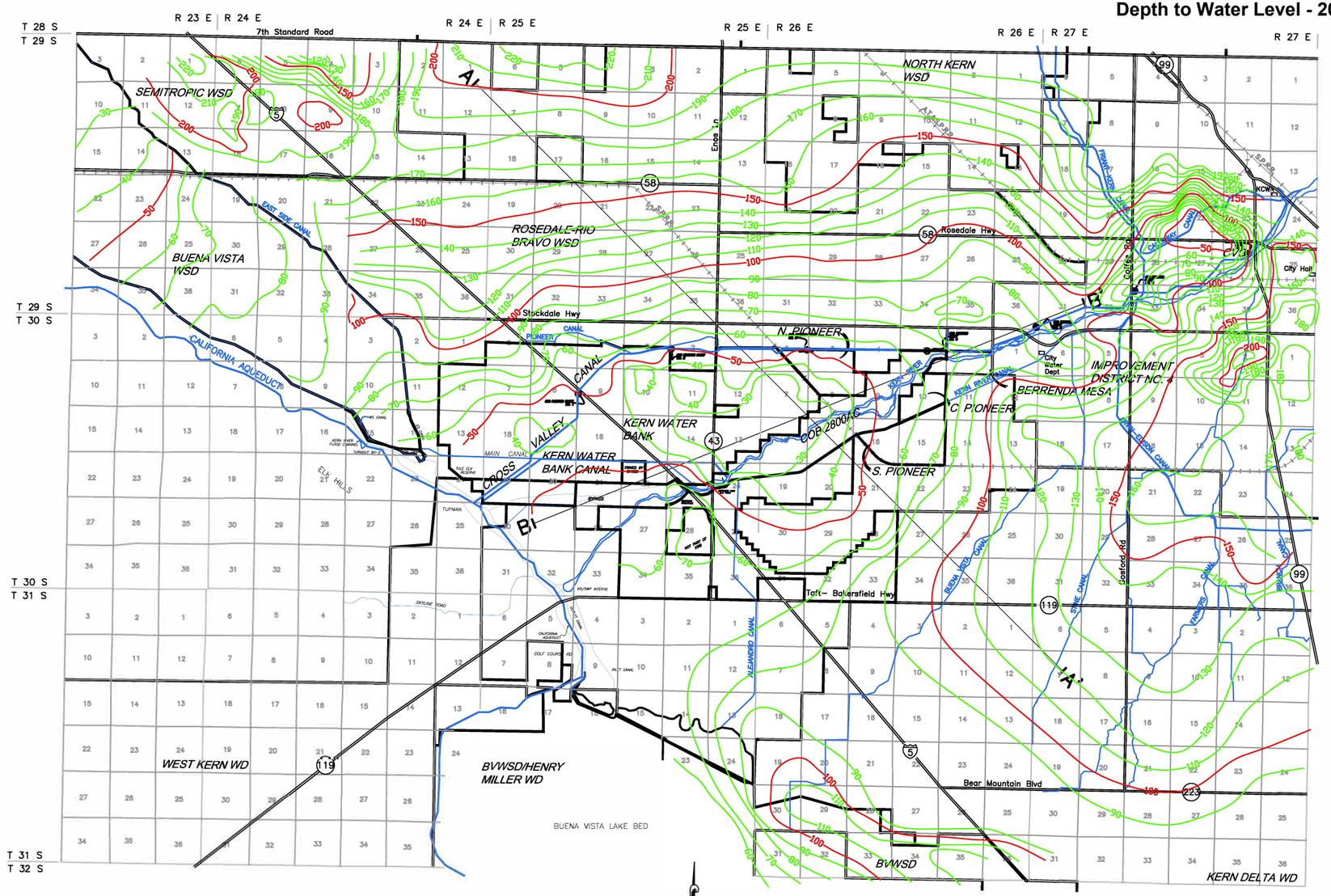


Kern Fan Monitoring Committee
Kern County, California

DEPTH TO GROUNDWATER SPRING 1999

K.D. SCHMIDT (revised contours) — JULY, 1999
T. HASLEBACHER — JUNE, 1999

Plate 1-5-2000
Depth to Water Level - 2000



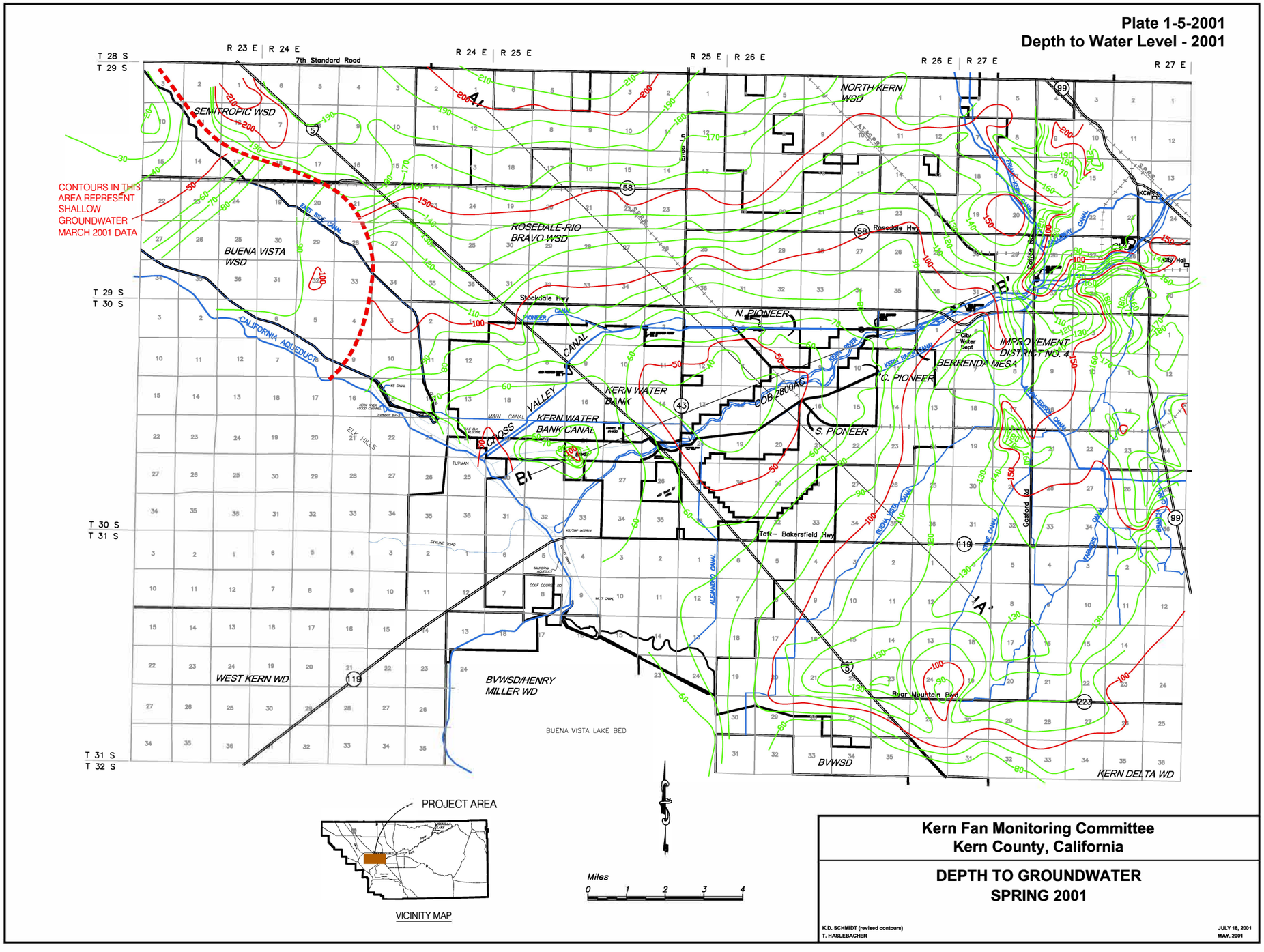
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO GROUNDWATER
SPRING 2000

K.D. SCHMIDT (revised contours)
Z. SMITH / T. HASLEBACHER

MARCH, 2002
FEBRUARY, 2002

Plate 1-5-2001
Depth to Water Level - 2001

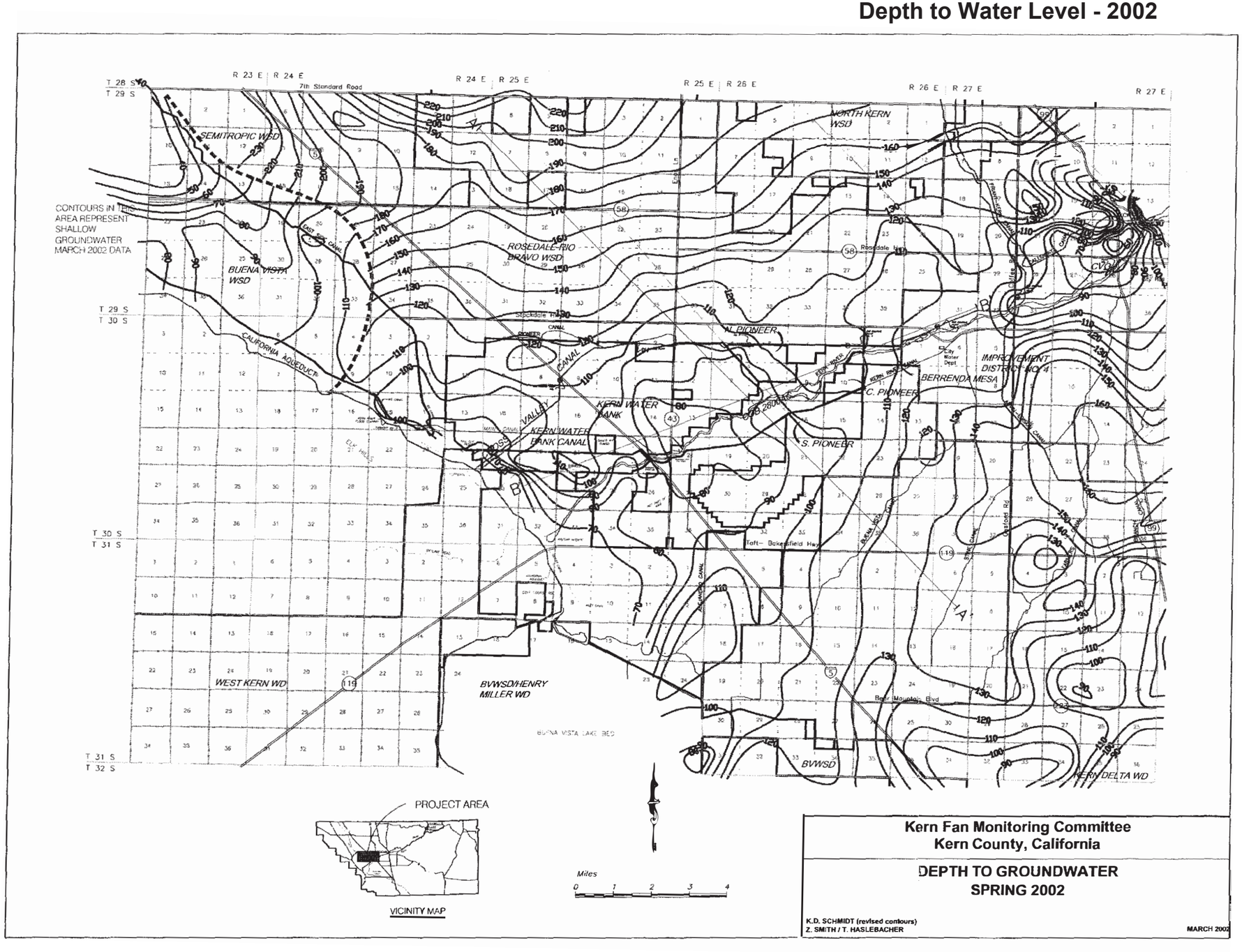


Kern Fan Monitoring Committee
Kern County, California

DEPTH TO GROUNDWATER
SPRING 2001

K.D. SCHMIDT (revised contours) — JULY 18, 2001
T. HASLEBACHER — MAY, 2001

Plate 1-5-2002
Depth to Water Level - 2002



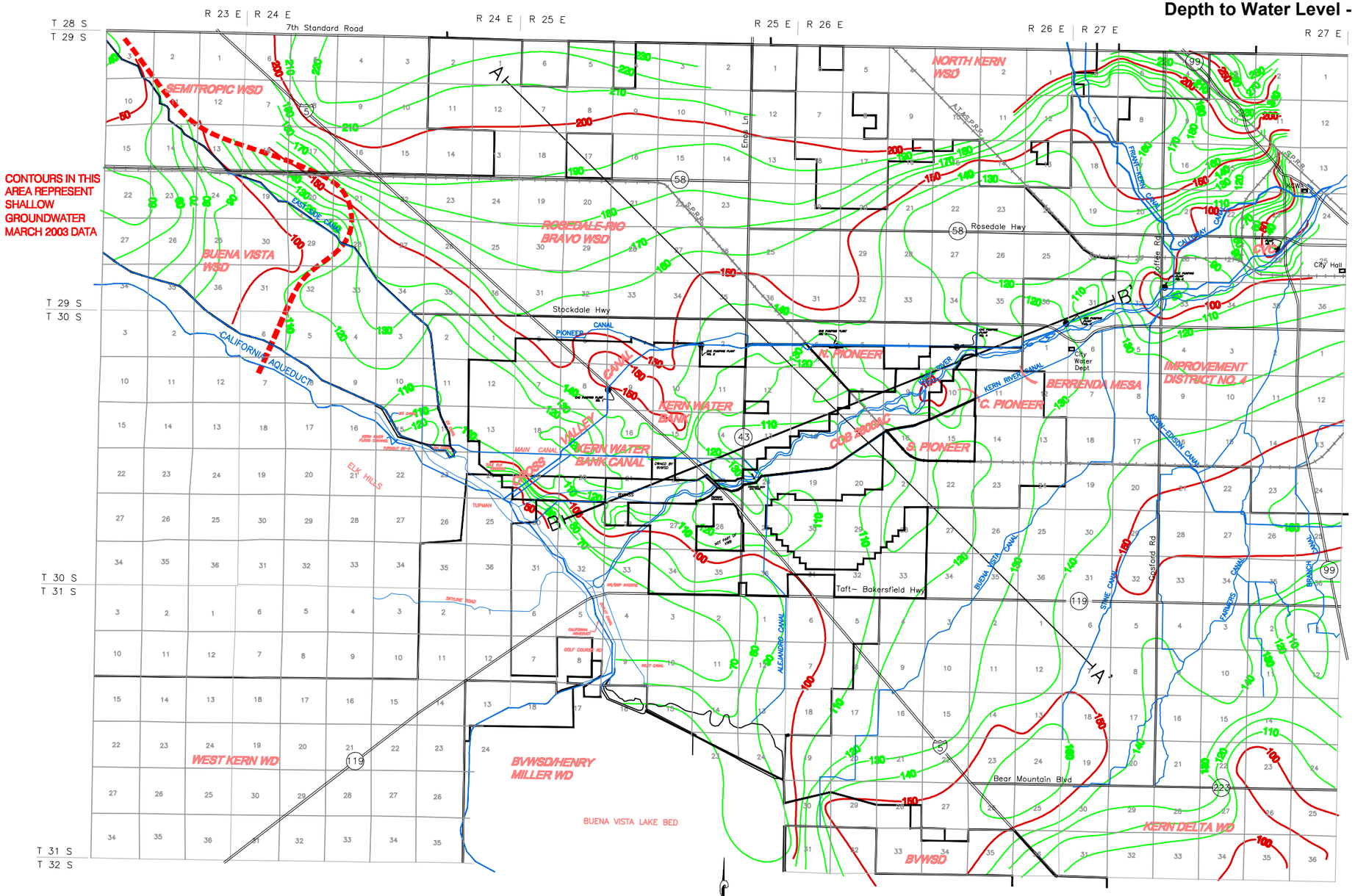
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO GROUNDWATER
SPRING 2002

K.D. SCHMIDT (revised contours)
Z. SMITH / T. HASLEBACHER

MARCH 2002

Plate 1-5-2003
Depth to Water Level - 2003

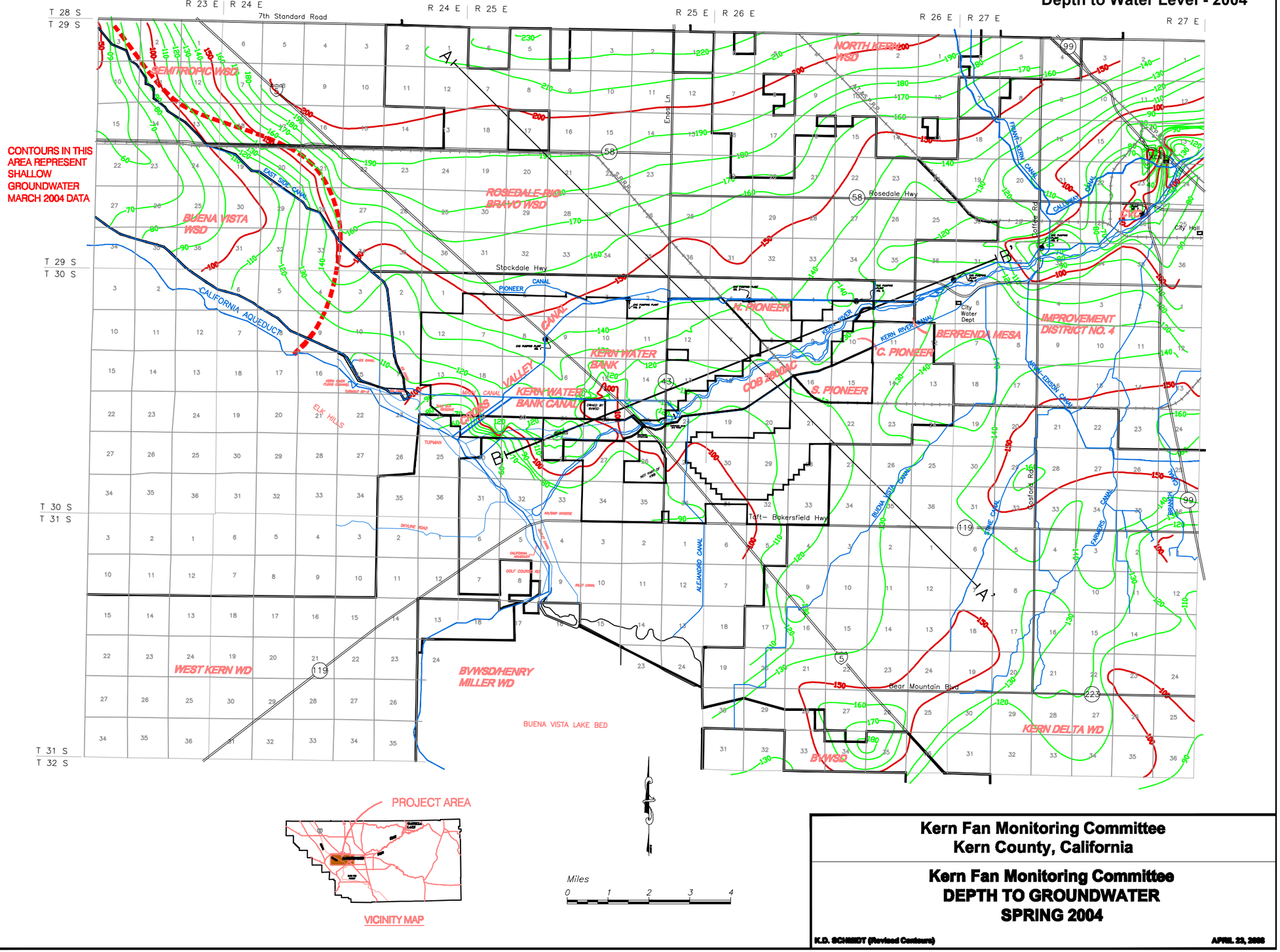


Kern Fan Monitoring Committee
Kern County, California

Kern Fan Monitoring Committee
DEPTH TO GROUNDWATER
SPRING 2003

K.D. SCHMIDT (revised contours) — JANUARY 21, 2006

Plate 1-5-2004
Depth to Water Level - 2004

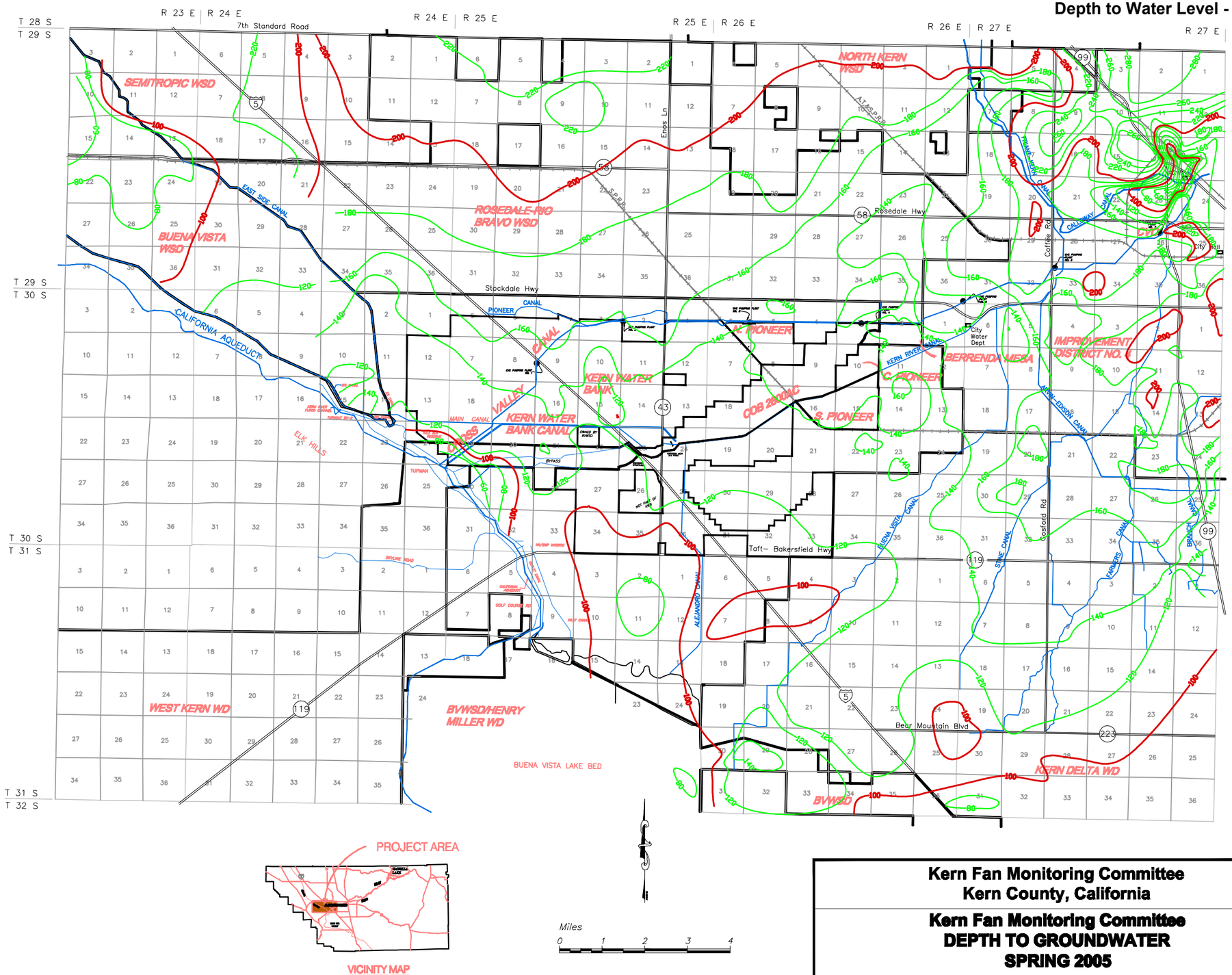


Kern Fan Monitoring Committee
Kern County, California

Kern Fan Monitoring Committee
DEPTH TO GROUNDWATER
SPRING 2004

K.D. SCHMIDT (Revised Contours) APRIL 23, 2004

Plate 1-5-2005
Depth to Water Level - 2005

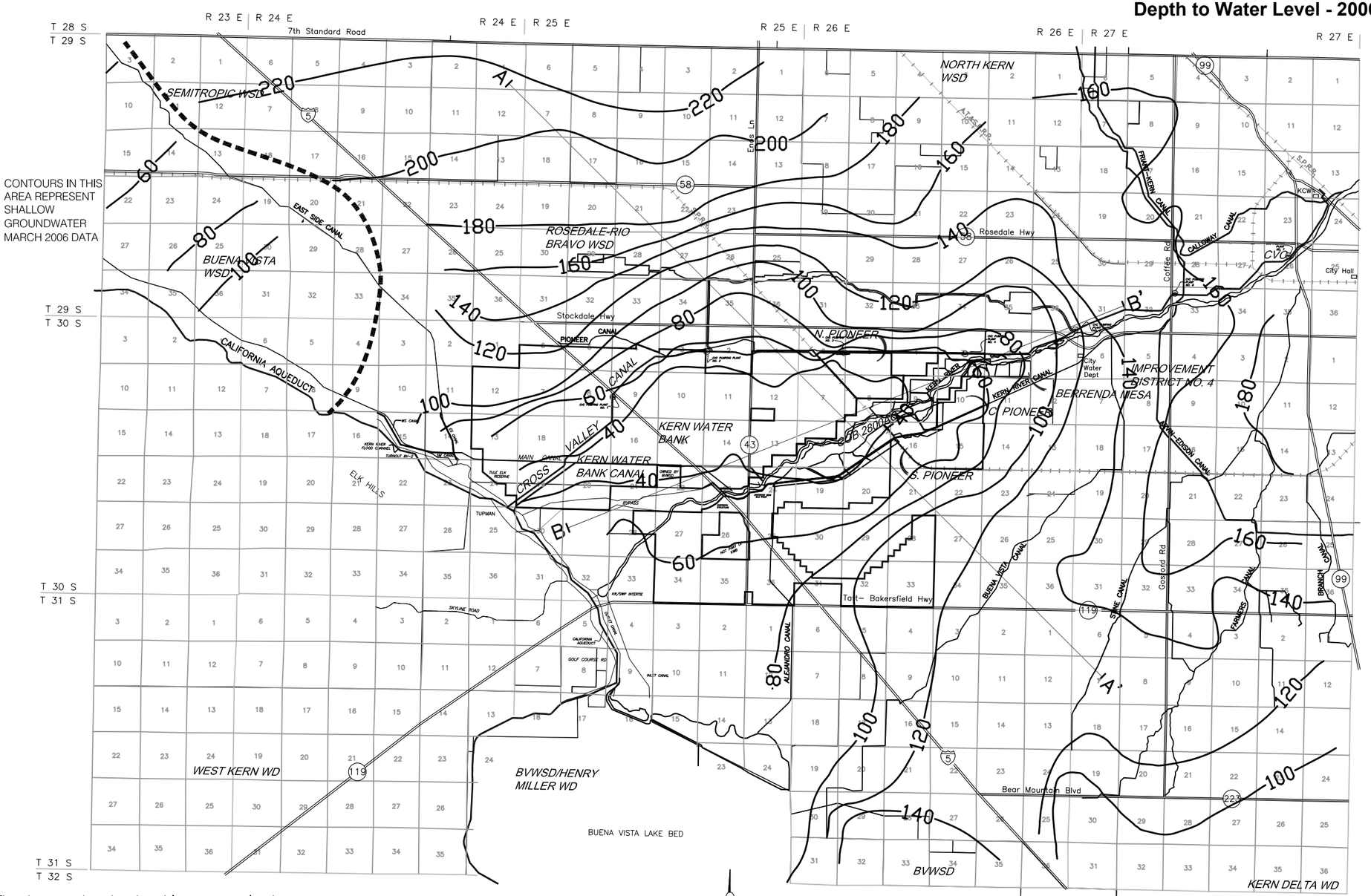


Kern Fan Monitoring Committee
Kern County, California

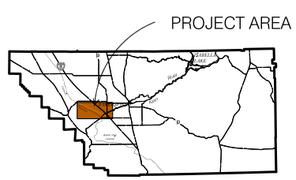
Kern Fan Monitoring Committee
DEPTH TO GROUNDWATER
SPRING 2005

K.D. SCHMIDT (contours) JANUARY 21, 2006
K.D. SCHMIDT (revised contours) MAY 24, 2006

Plate 1-5-2006
Depth to Water Level - 2006



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2006

K.D. SCHMIDT (hand contoured) **April 20, 2009**

Plate 1-5-2007
Depth to Water Level - 2007

CONTOURS IN THIS AREA REPRESENT SHALLOW GROUNDWATER MARCH 2007 DATA

Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.

PROJECT AREA

VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

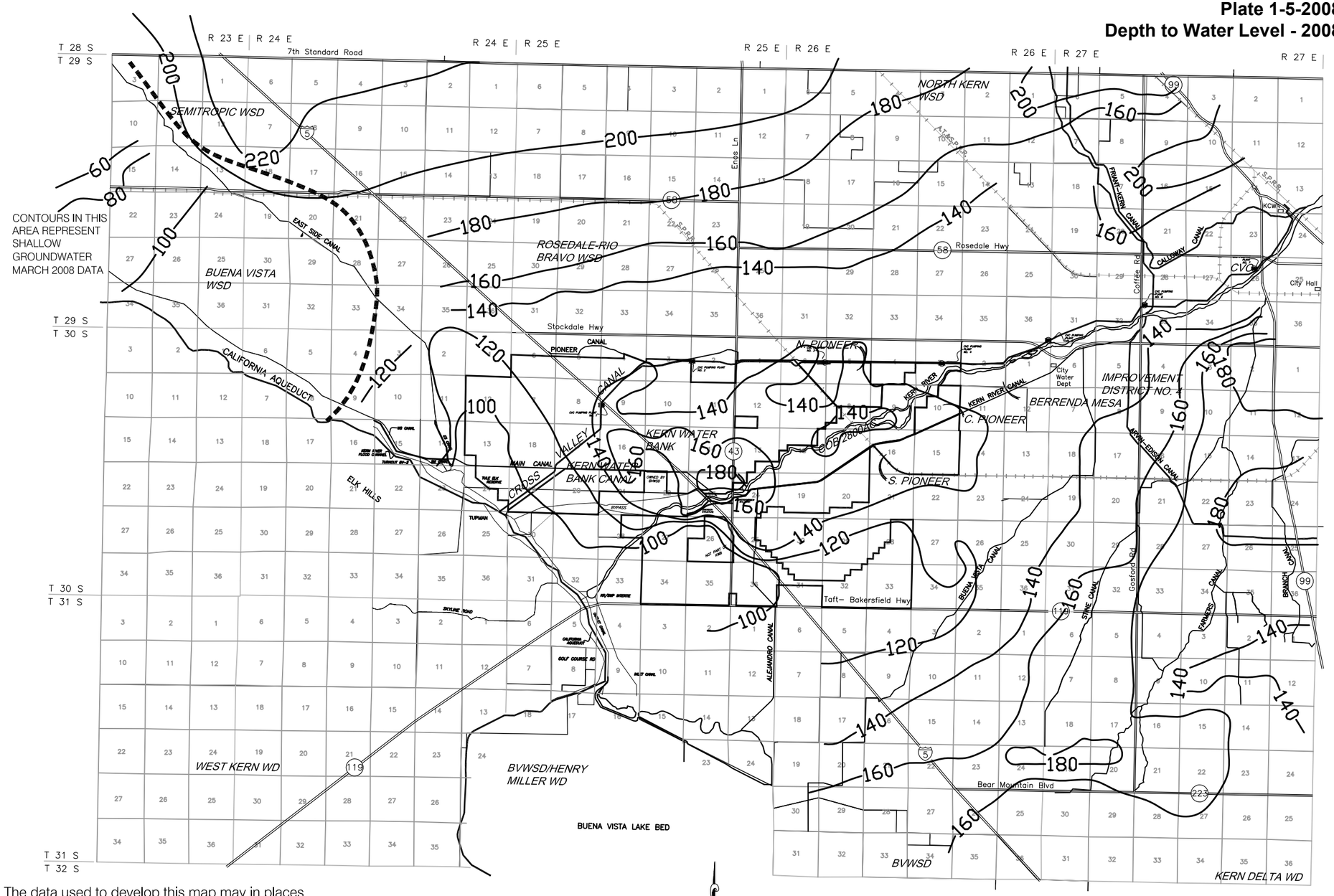
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2007

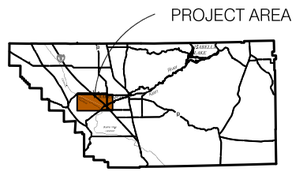
K.D. SCHMIDT (hand contoured)

MAY 26,2008

Plate 1-5-2008
Depth to Water Level - 2008



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

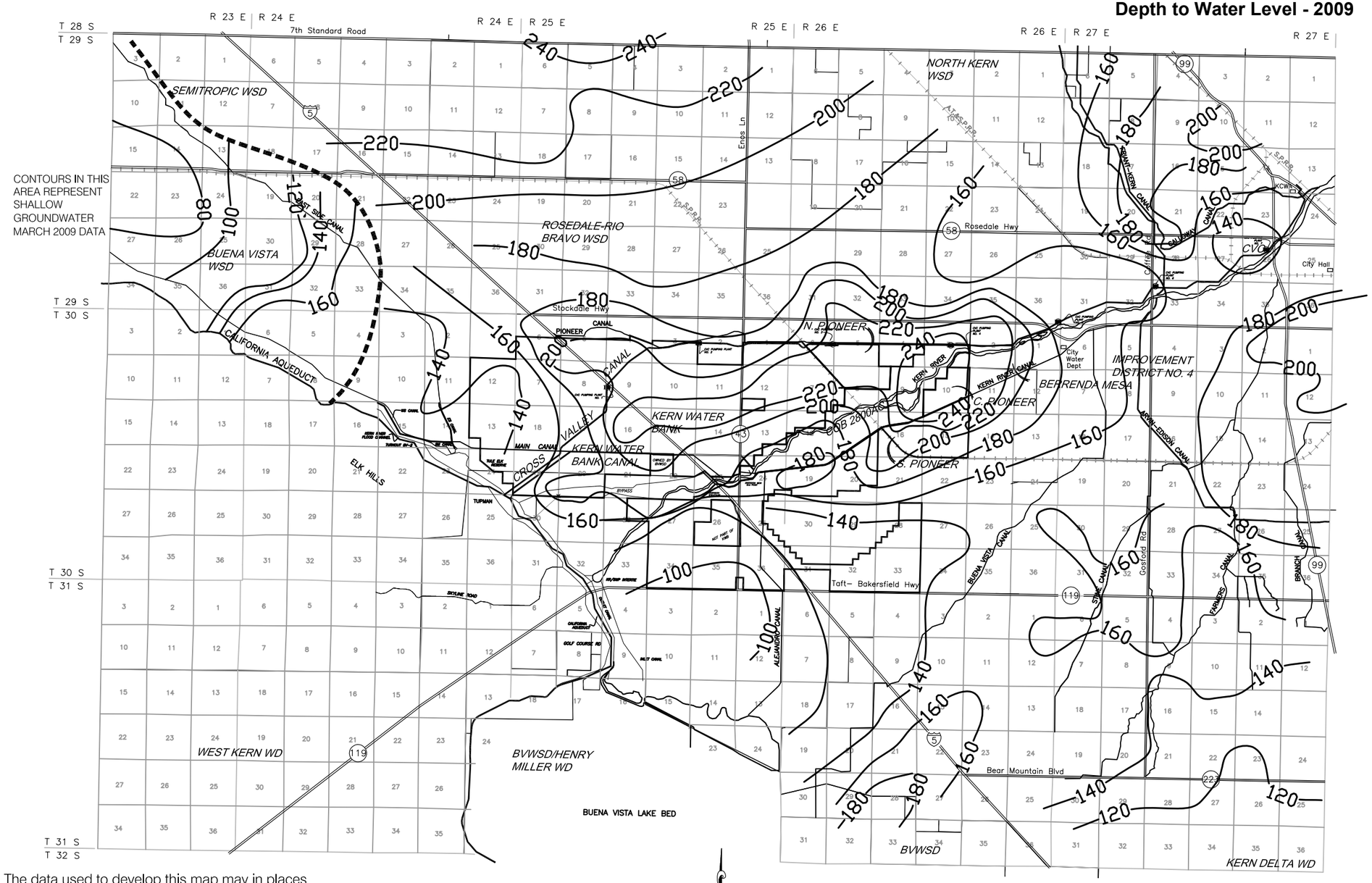
Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

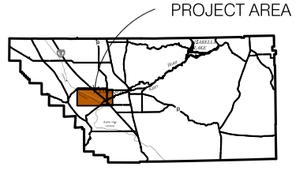
DEPTH TO POTENTIOMETRIC SURFACE
Middle Zone
SPRING 2008

K.D. SCHMIDT (hand contoured) **JUNE 29, 2009**

Plate 1-5-2009
Depth to Water Level - 2009



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

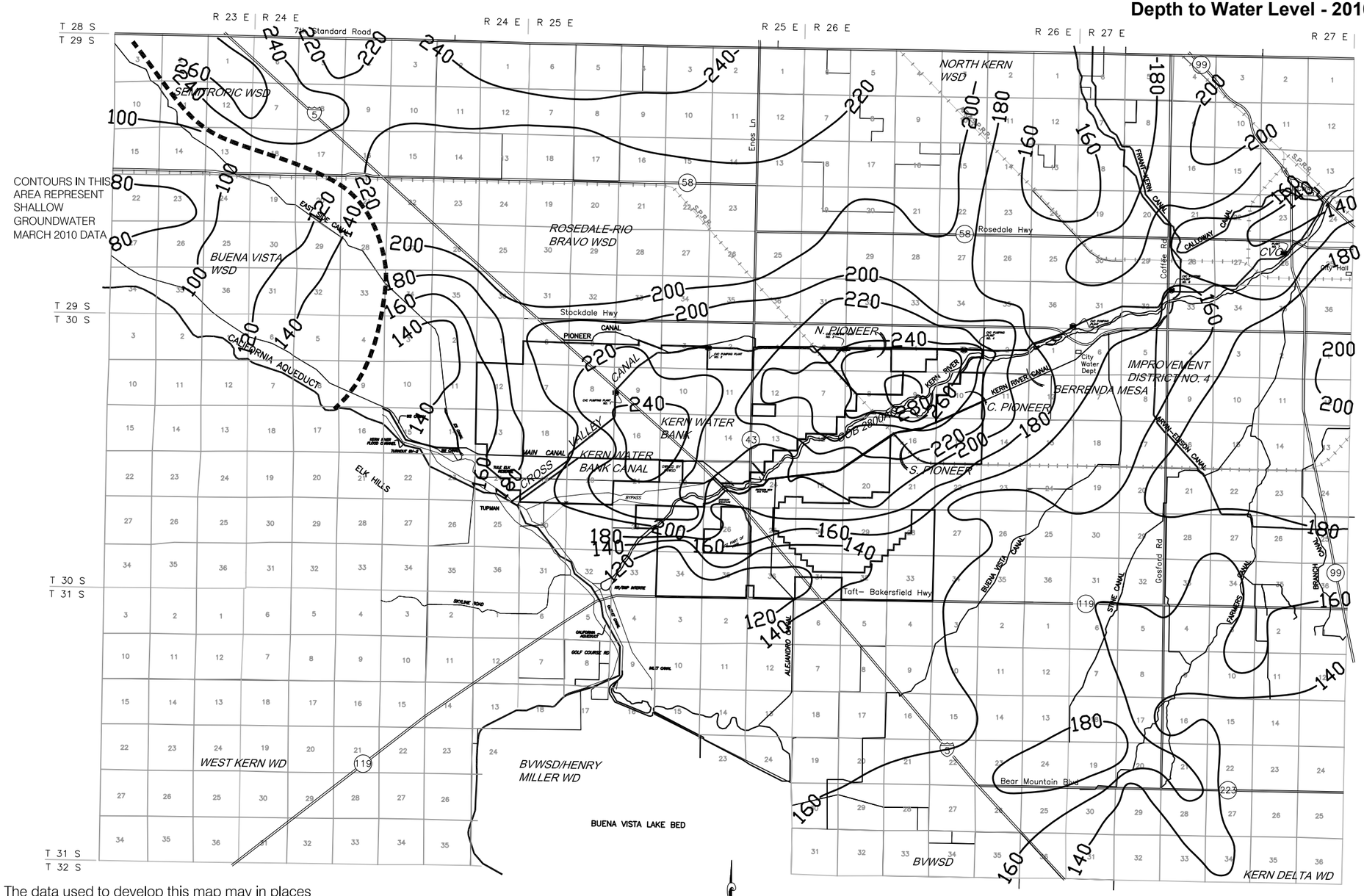
Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

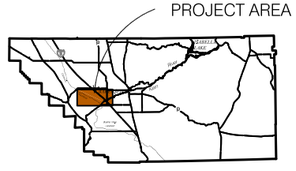
DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2009

K.D. SCHMIDT (hand contours) **JUNE 26, 2009**

Plate 1-5-2010
Depth to Water Level - 2010



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



Miles
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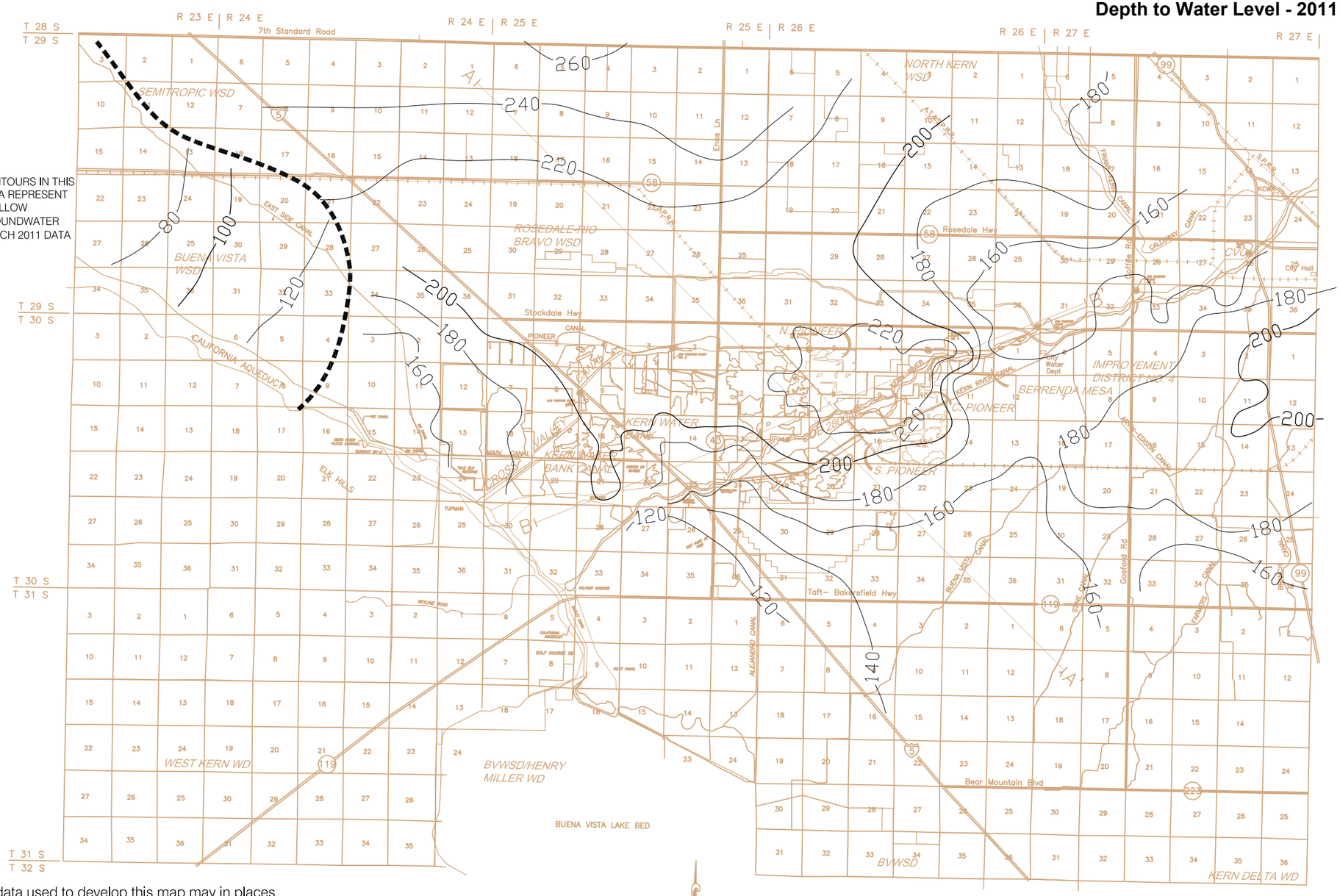
Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2010

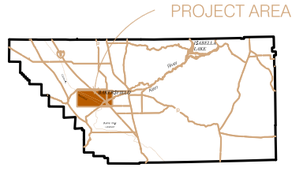
K.D. SCHMIDT (hand contours) **July 17, 2010**

Plate 1-5-2011
Depth to Water Level - 2011



CONTOURS IN THIS AREA REPRESENT SHALLOW GROUNDWATER MARCH 2011 DATA

Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

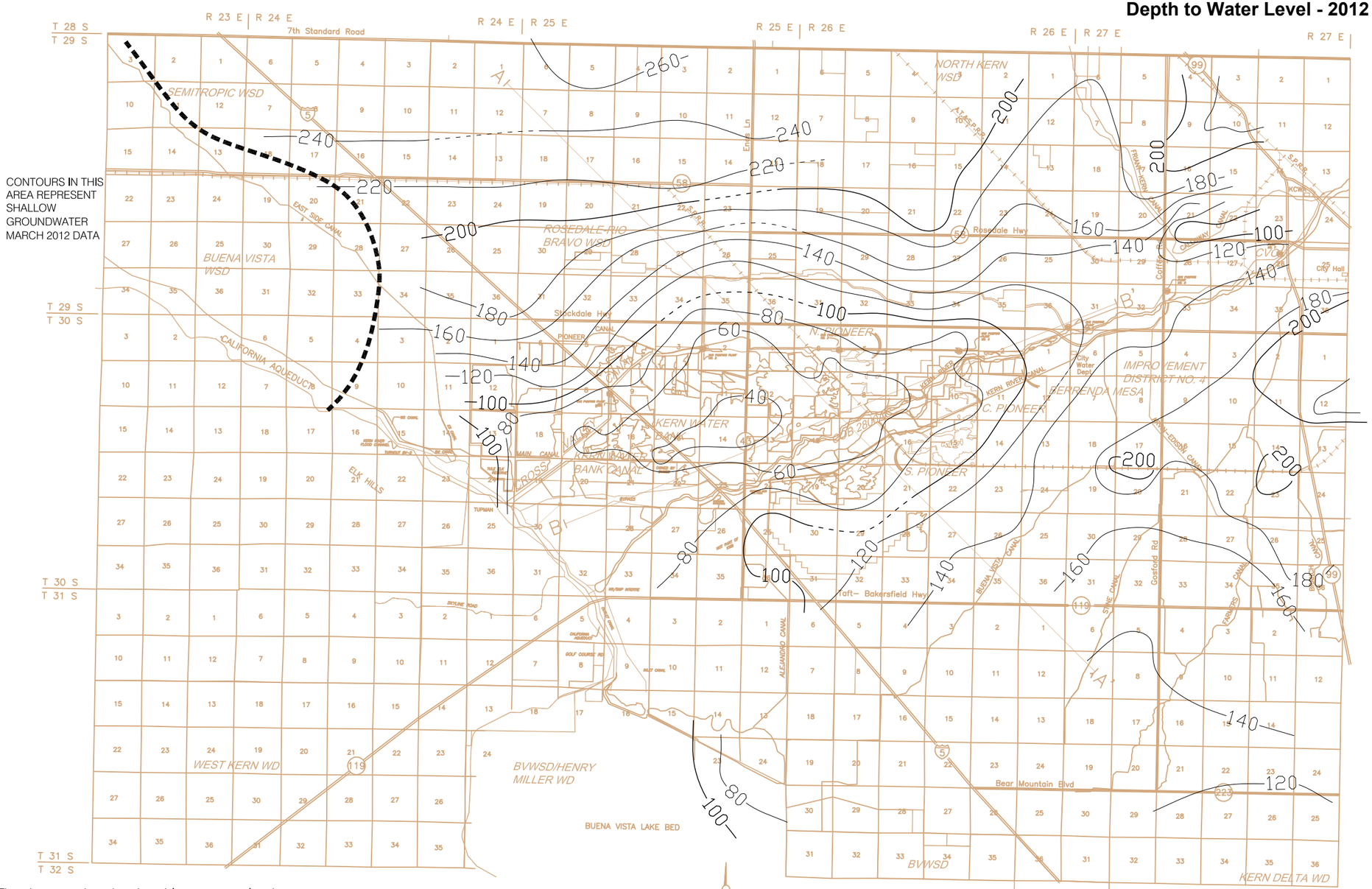
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2011

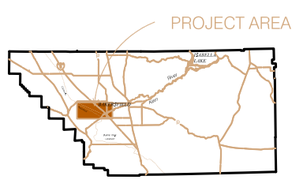
K.D. SCHMIDT (hand contours)

May 18, 2011

Plate 1-5-2012
Depth to Water Level - 2012



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

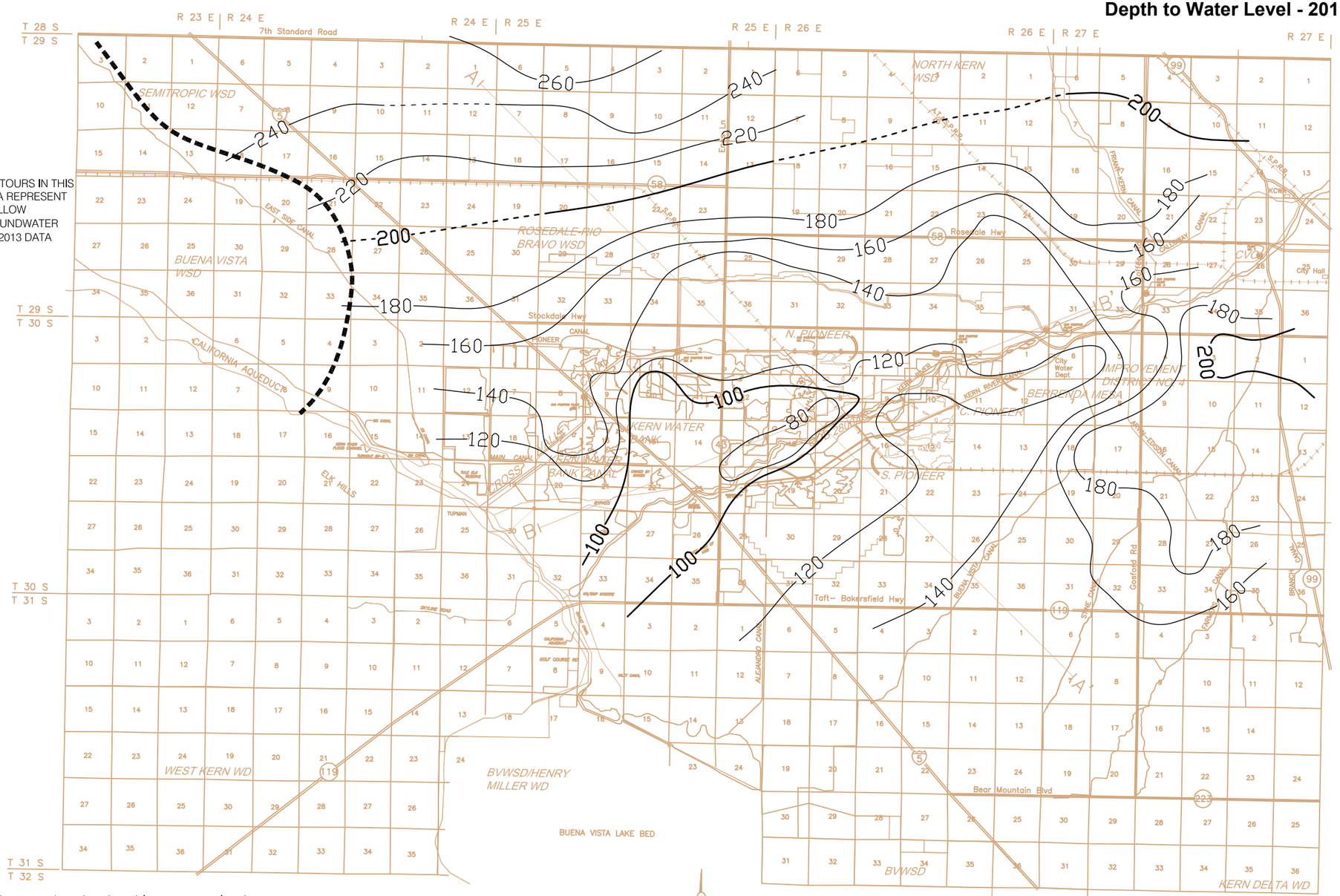
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2012

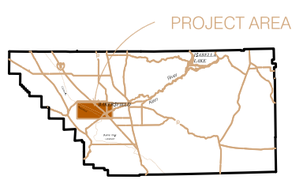
K.D. SCHMIDT (hand contours)

October 24, 2012

Plate 1-5-2013
Depth to Water Level - 2013



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



Miles
0 1 2 3 4

Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2013

K.D. SCHMIDT (hand contours)

June 12, 2013

Plate 1-5-2014
Depth to Water Level - 2014

CONTOURS IN THIS AREA REPRESENT SHALLOW GROUNDWATER MARCH 2014 DATA

Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.

PROJECT AREA

VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

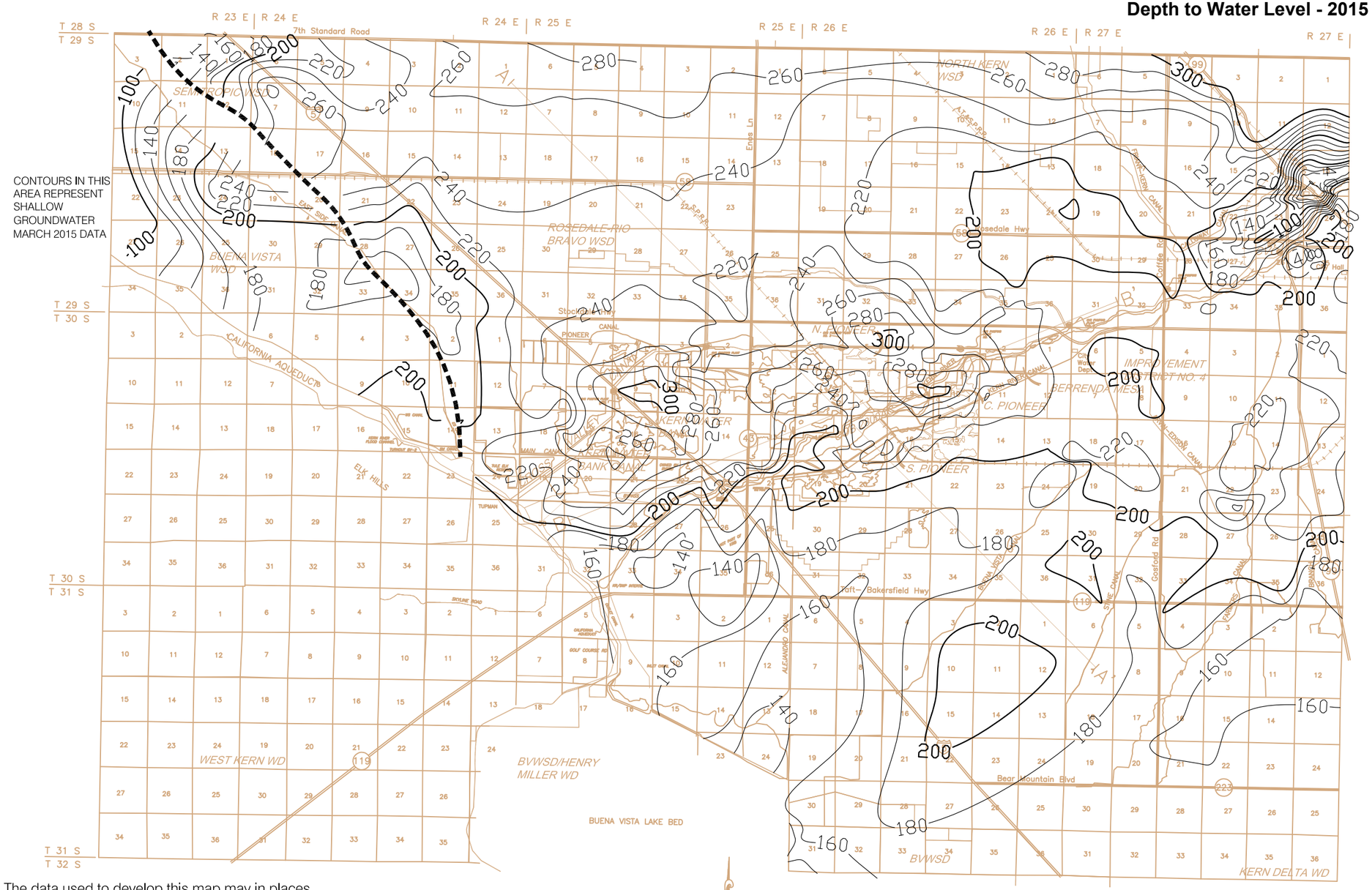
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2014

K.D. SCHMIDT (hand contours)

September, 2014

Plate 1-5-2015
Depth to Water Level - 2015



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.

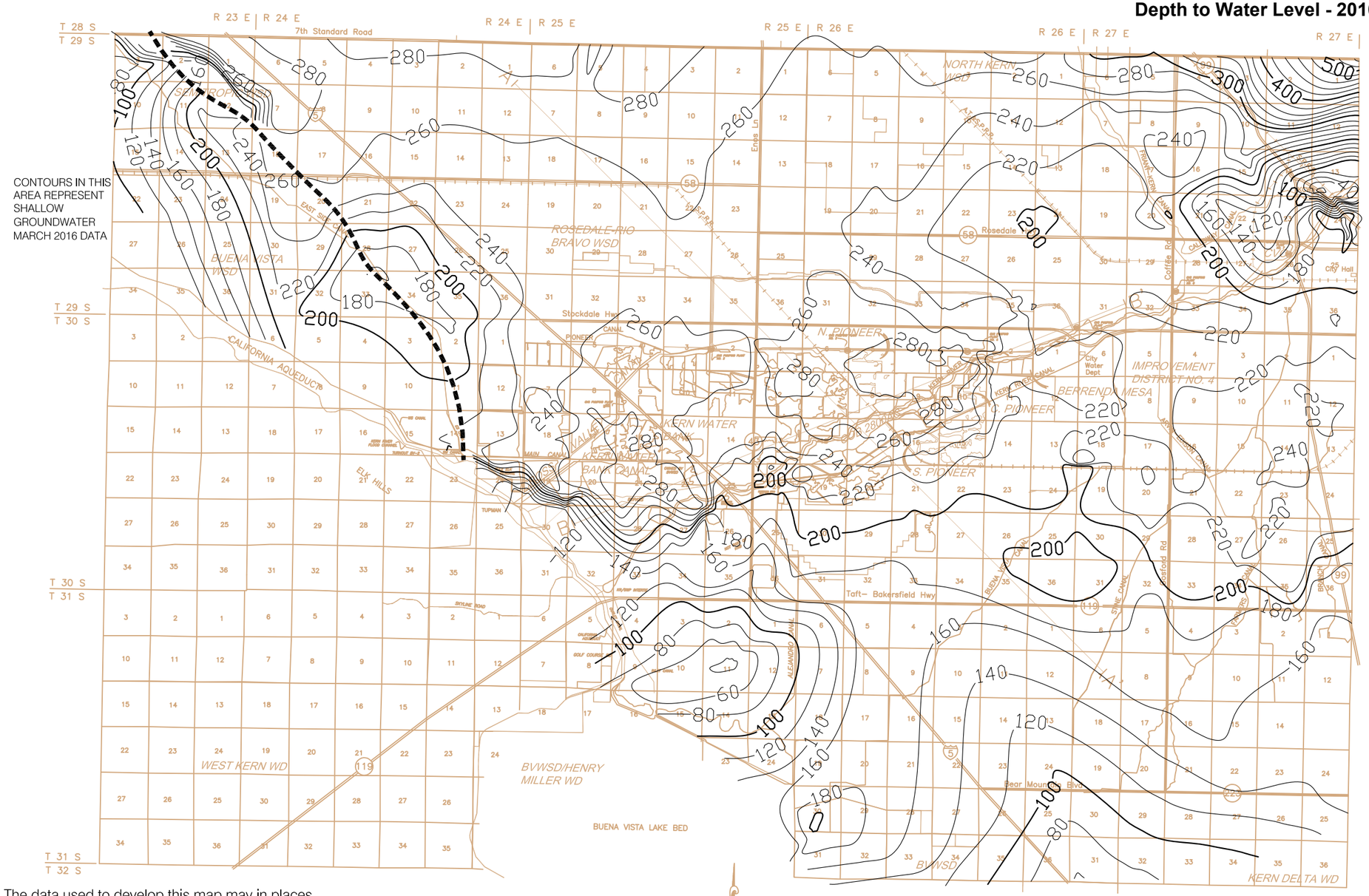
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2015

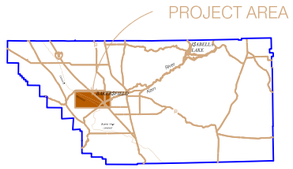
Michelle Anderson PG #8898

August 5, 2015

Plate 1-5-2016
Depth to Water Level - 2016



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



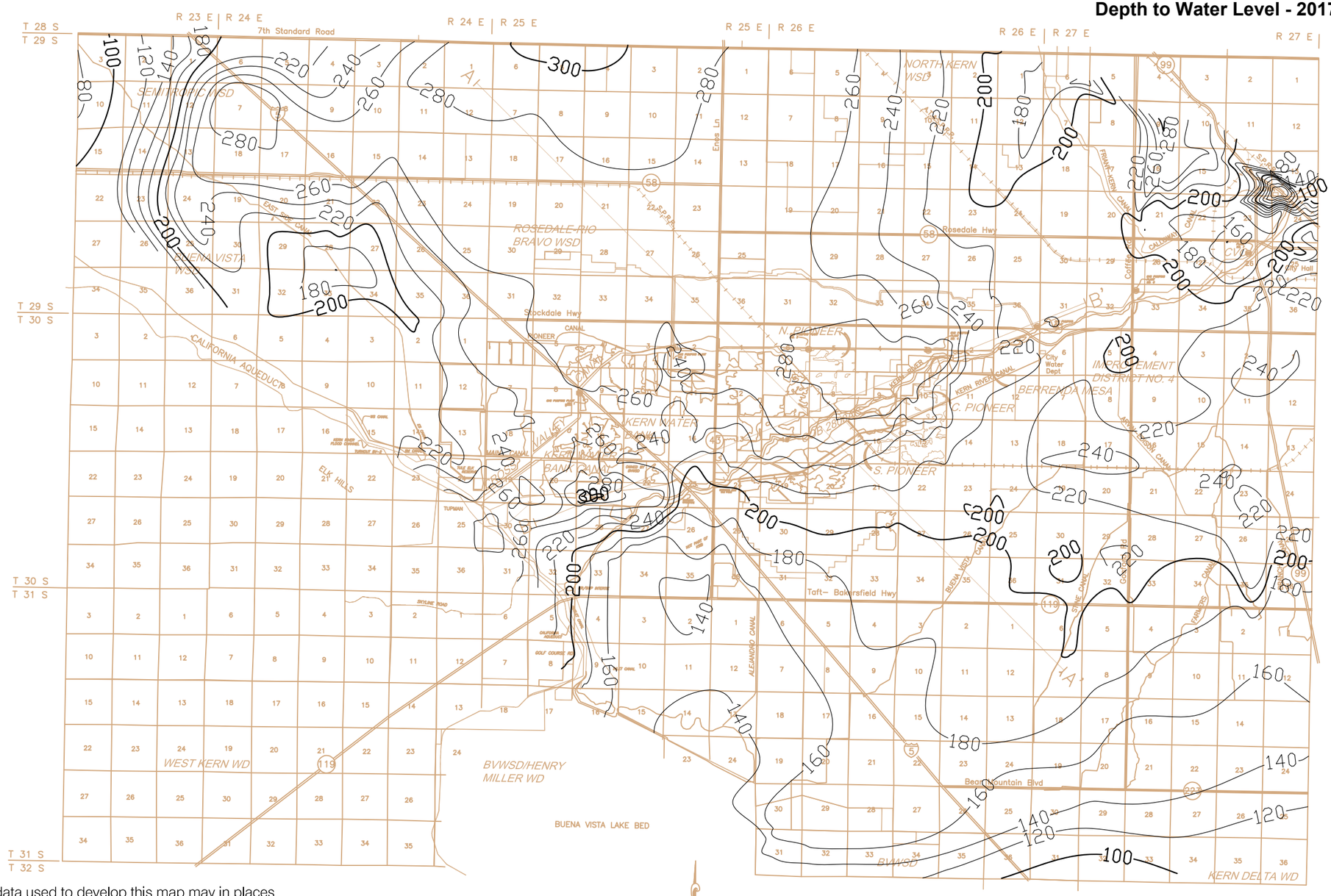
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2016

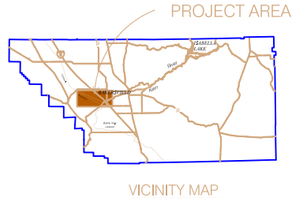
Michelle Anderson PG #8898

July 27, 2016

Plate 1-5-2017
Depth to Water Level - 2017



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



Miles
0 1 2 3 4

Contour Interval=20 feet

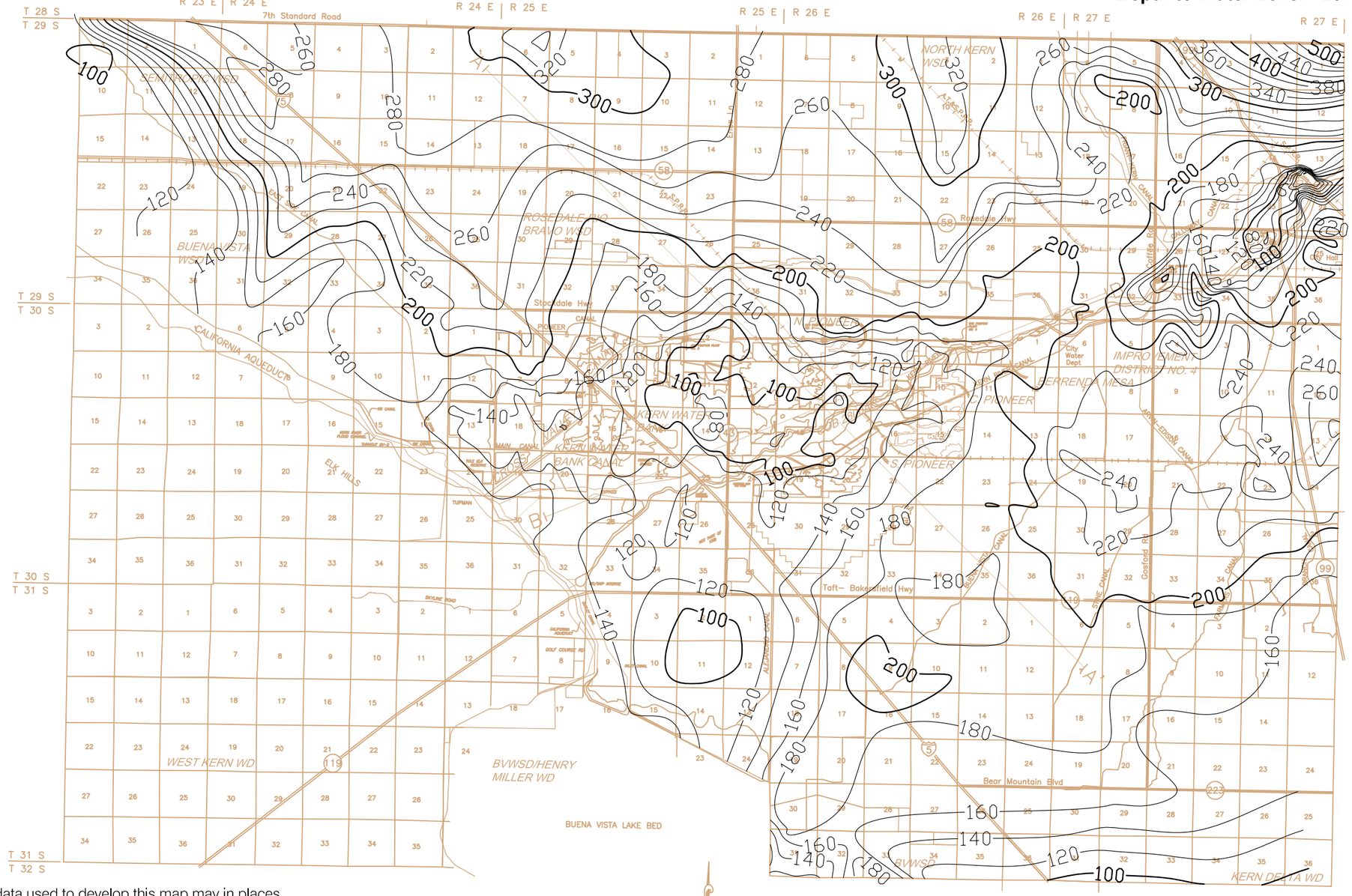
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2017

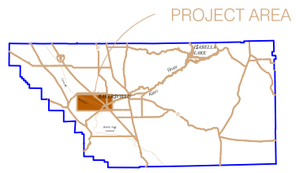
Michelle Anderson PG #8898

July 11, 2017

Plate 1-5-2018
Depth to Water Level - 2018



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

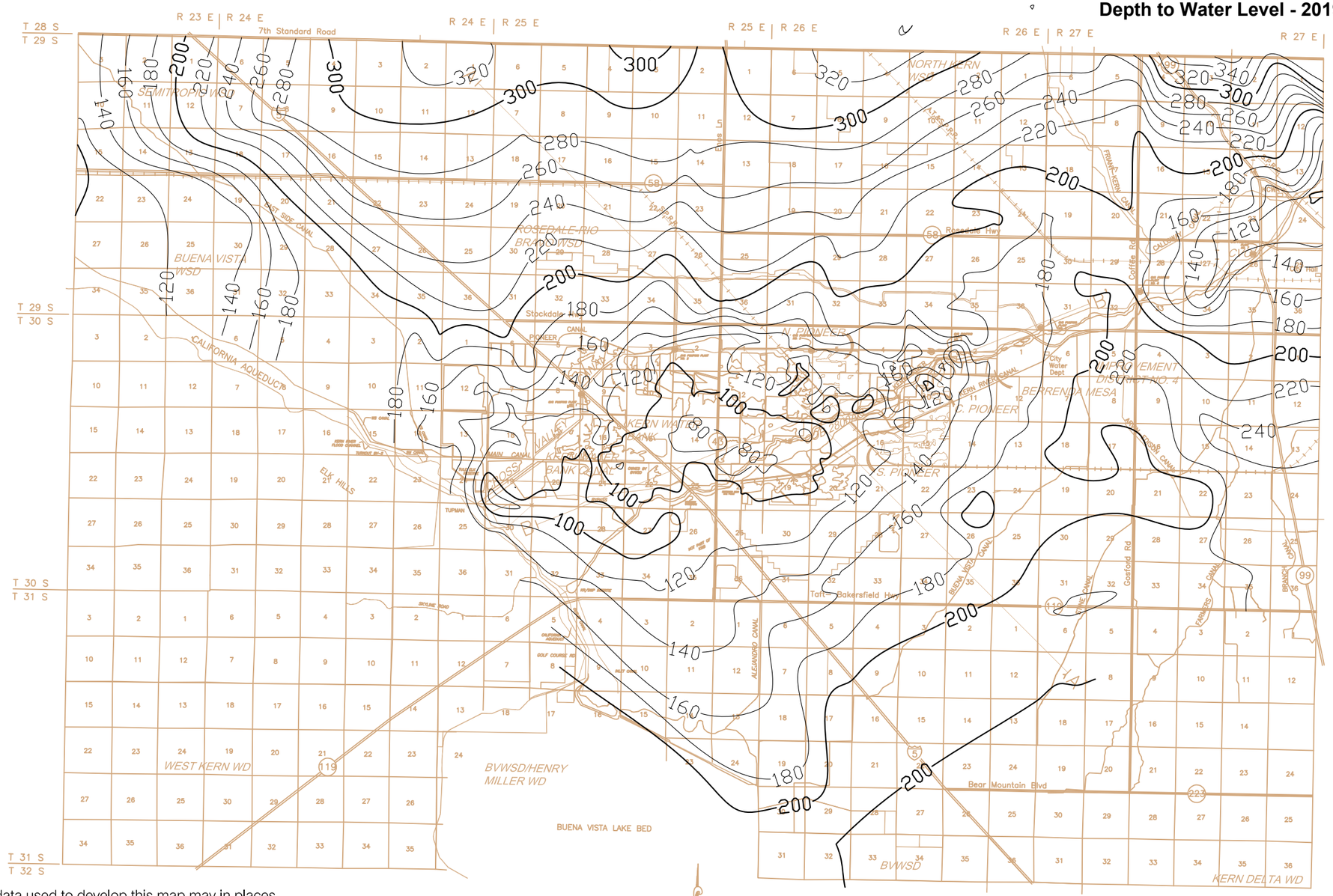
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2018

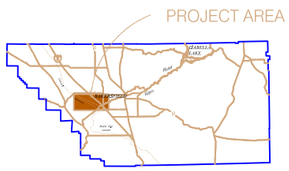
Michelle Anderson PG #8898

Sept. 12, 2018

Plate 1-5-2019
Depth to Water Level - 2019



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

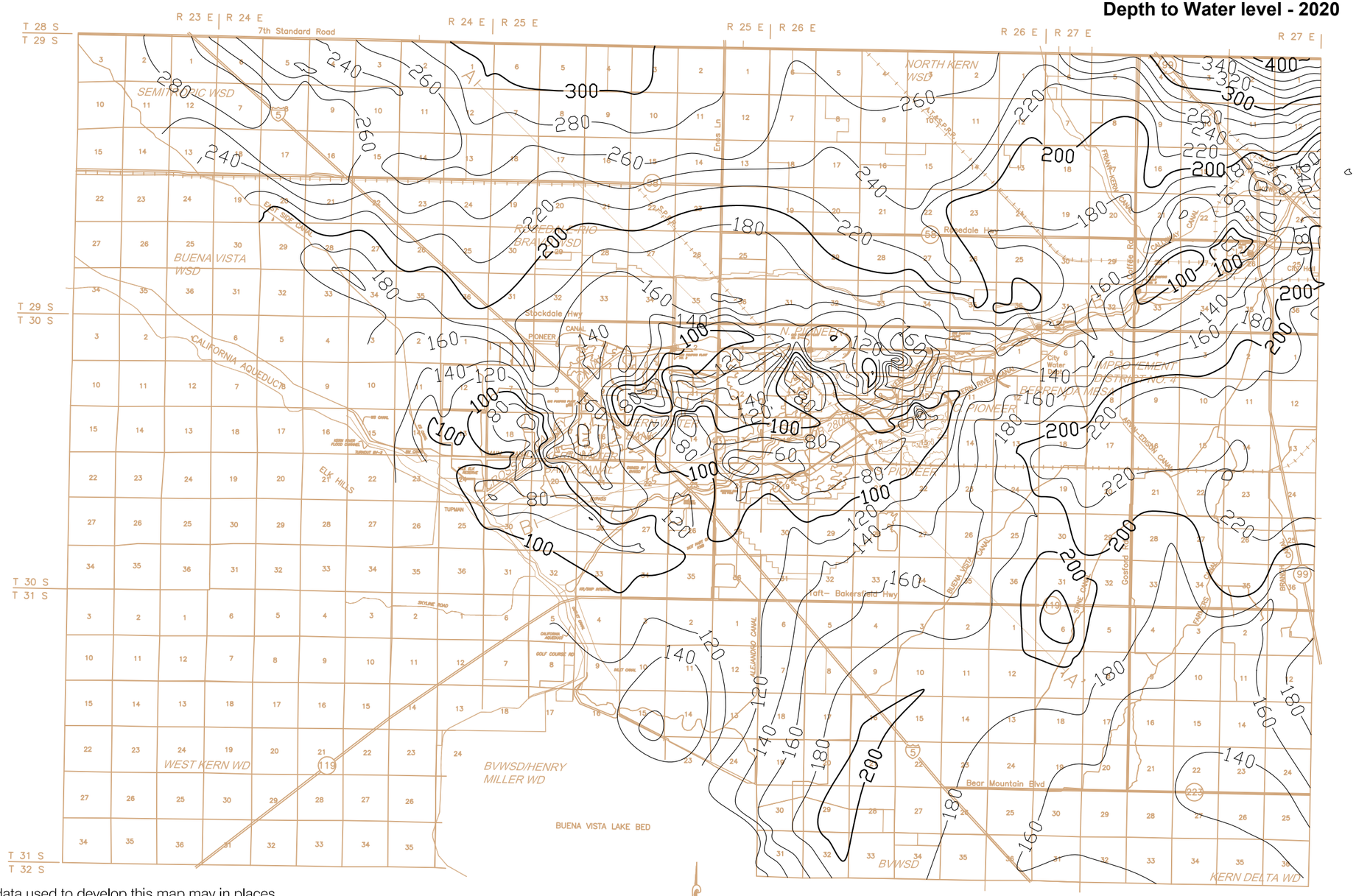
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2019

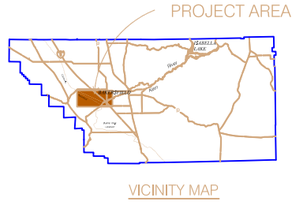
Michelle Anderson PG #8898

June 30, 2020

Plate 1-5-2020
Depth to Water level - 2020



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



Miles
0 1 2 3 4

Contour Interval=20 feet

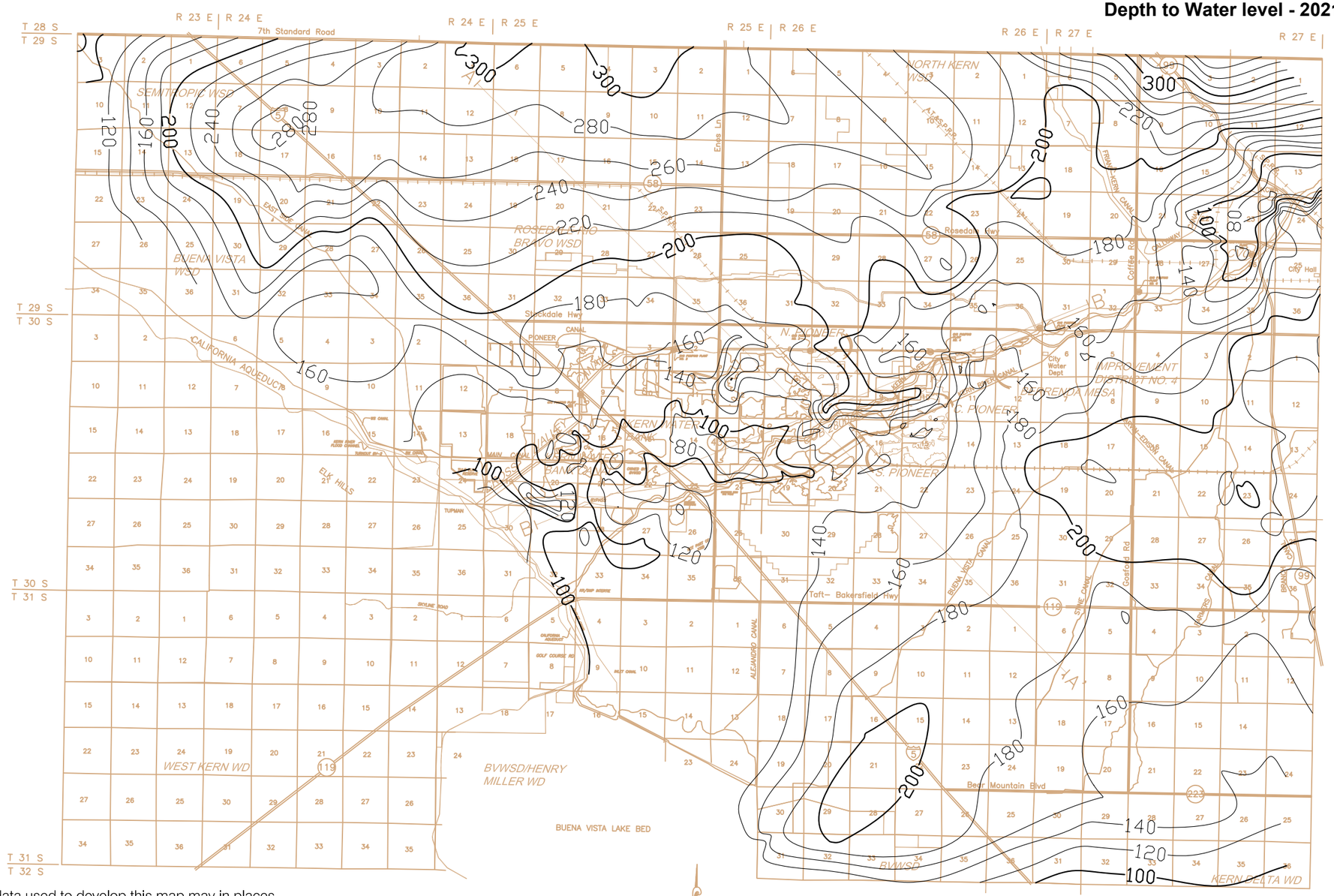
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2020

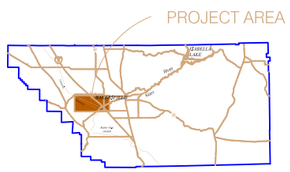
Michelle Anderson PG #8898

July 25, 2020

Plate 1-5-2021
Depth to Water level - 2021



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

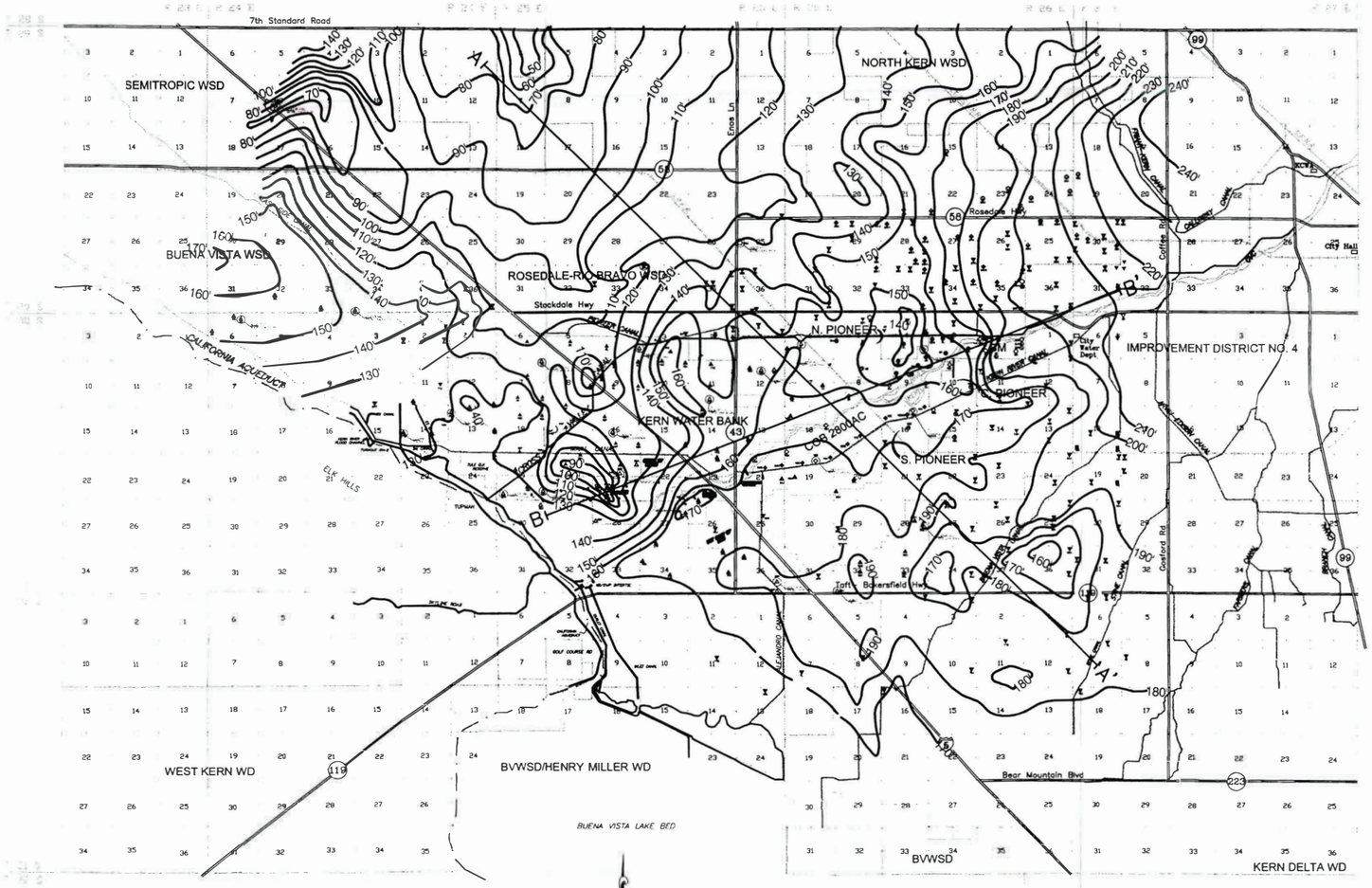
Kern Fan Monitoring Committee
Kern County, California

DEPTH TO POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2021

Michelle Anderson PG #8898

Jan 4, 2022

Plate 1-6-1993
Water Level Elevation - 1993



WELL SYMBOLS*

KERN WATER AUTHORITY WELLS (FUNCTIONING WELLS)	CALIFORNIA WATER SERVICE CO
KERN WATER AUTHORITY WELLS (NONFUNCTIONING WELLS)	WEST KERN WD
EXISTING KCWA WELLS	PRIVATE
FUTURE KCWA WELLS	HENRY MILLER WD
EXISTING KCWA IRRIGATION WELLS	
	CITY OF BAKERSFIELD
BUENA VISTA WSD	WEST BAKERSFIELD STUDY
KERN DELTA WD	SEMITROPIC WSD
	UNKNOWN WELL OWNER

Kern County Water Agency
Kern County, California

KERN FAN MONITORING COMMITTEE

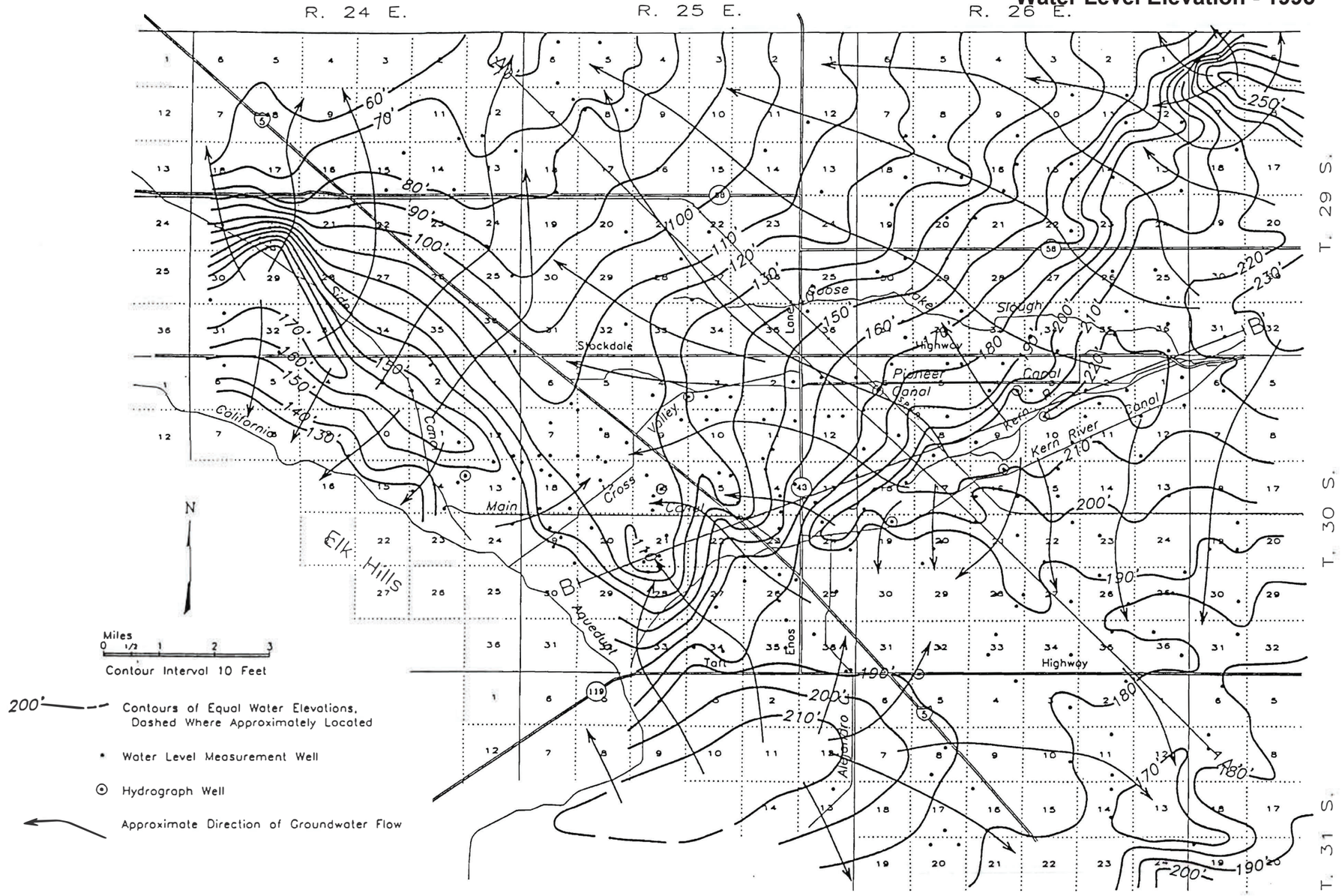
GROUNDWATER ELEVATION

SPRING, 1993

T. HASLEBACHER

4/29/93

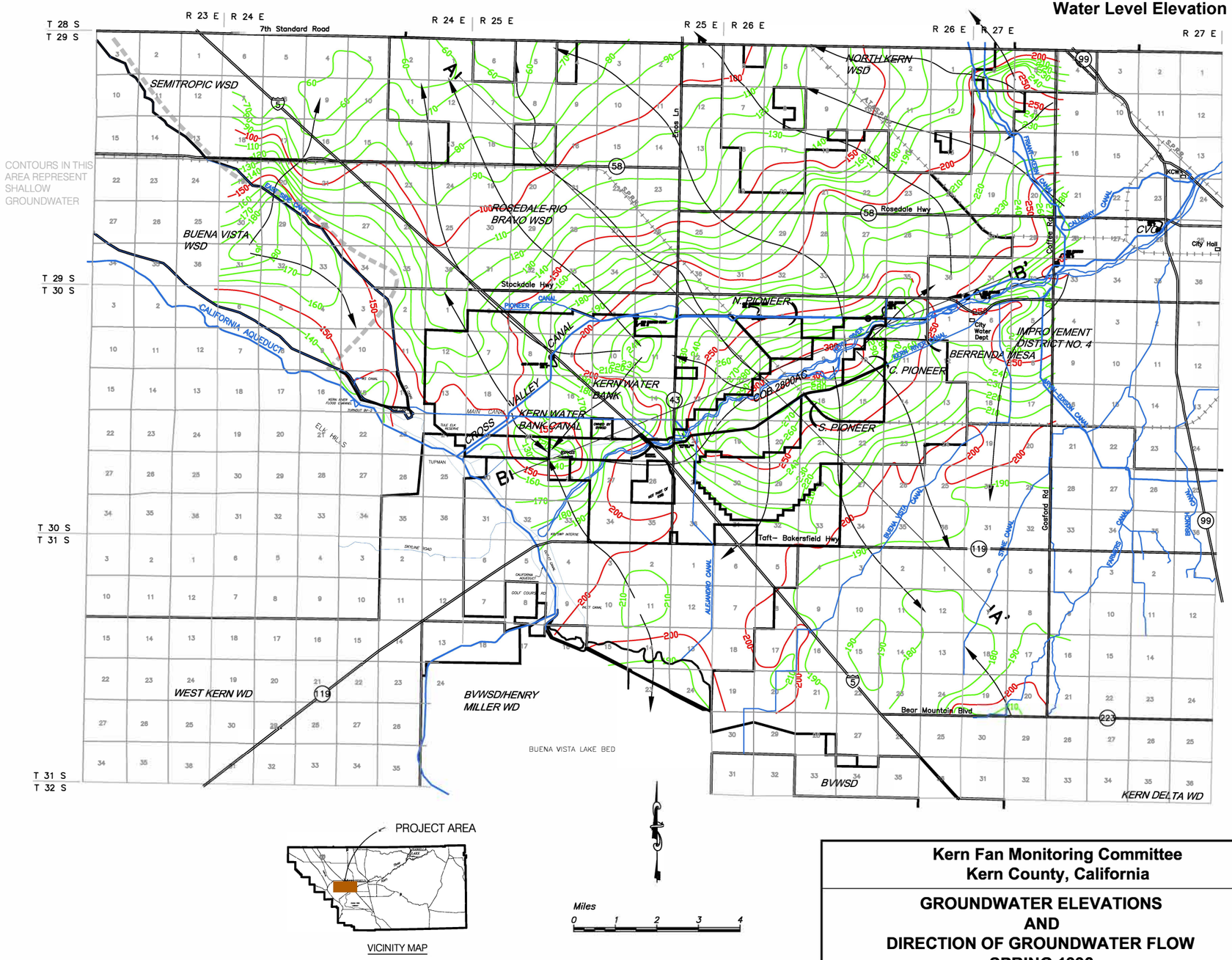
Plate 1-6-1995
Water Level Elevation - 1995



KWB Ground Water Level Elevations — Spring 1995

T. Haslebacher, 12/96
Flow lines by K. Schmidt

Plate 1-6-1996
Water Level Elevation - 1996

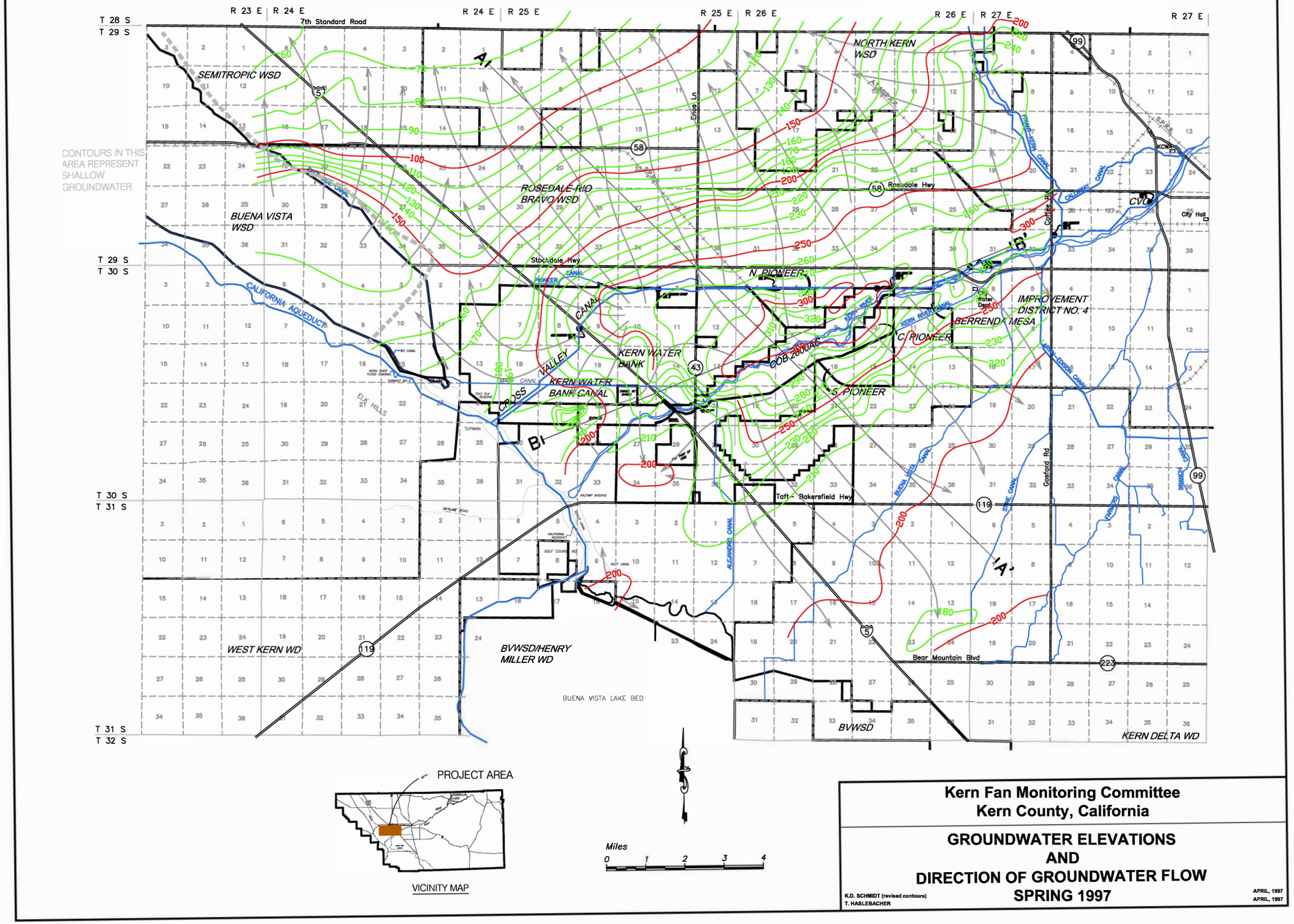


Kern Fan Monitoring Committee
Kern County, California

GROUNDWATER ELEVATIONS
AND
DIRECTION OF GROUNDWATER FLOW
SPRING 1996

T. Haslebacher — December 1996

Plate 1-6-1997
Water Level Elevation - 1997



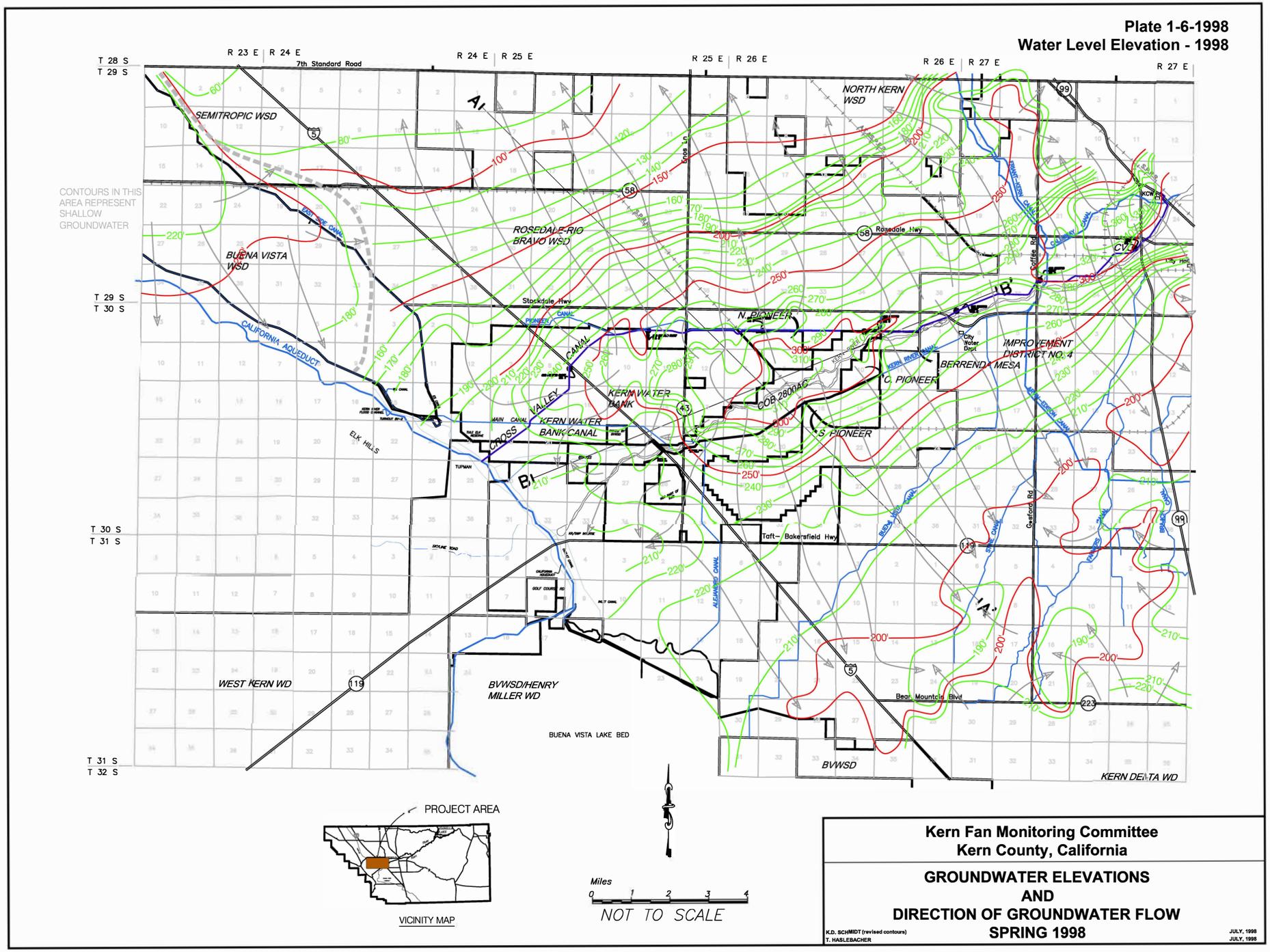
Kern Fan Monitoring Committee
Kern County, California

GROUNDWATER ELEVATIONS
AND
DIRECTION OF GROUNDWATER FLOW
SPRING 1997

K.D. SCHMIDT (revised contours)
T. HASLEBACHER

APRIL, 1997
APRIL, 1997

Plate 1-6-1998
Water Level Elevation - 1998

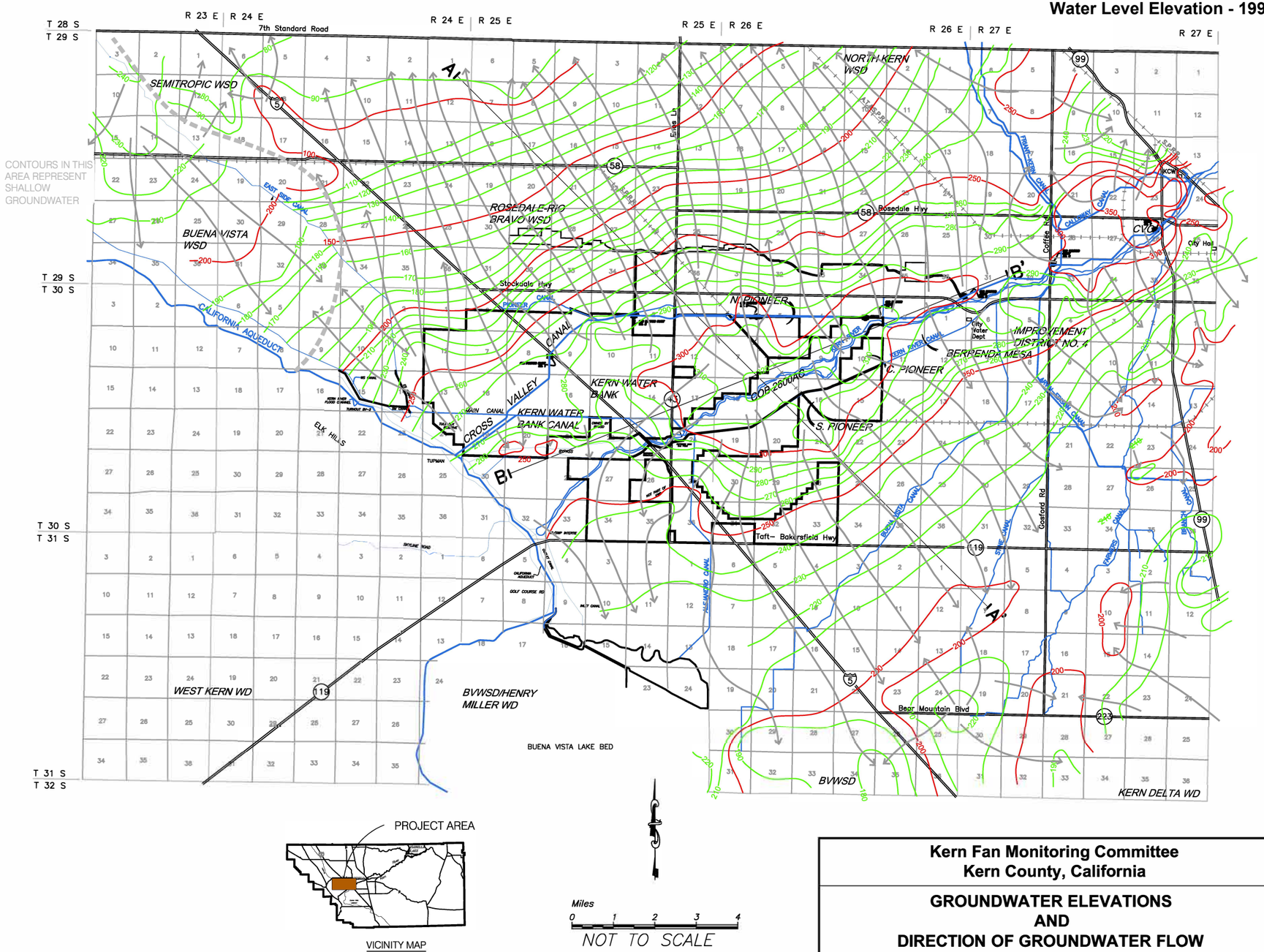


Kern Fan Monitoring Committee
Kern County, California

GROUNDWATER ELEVATIONS
AND
DIRECTION OF GROUNDWATER FLOW
SPRING 1998

K.D. SCHMIDT (revised contours) JULY, 1998
T. HASLEBACHER JULY, 1998

Plate 1-6-1999
Water Level Elevation - 1999



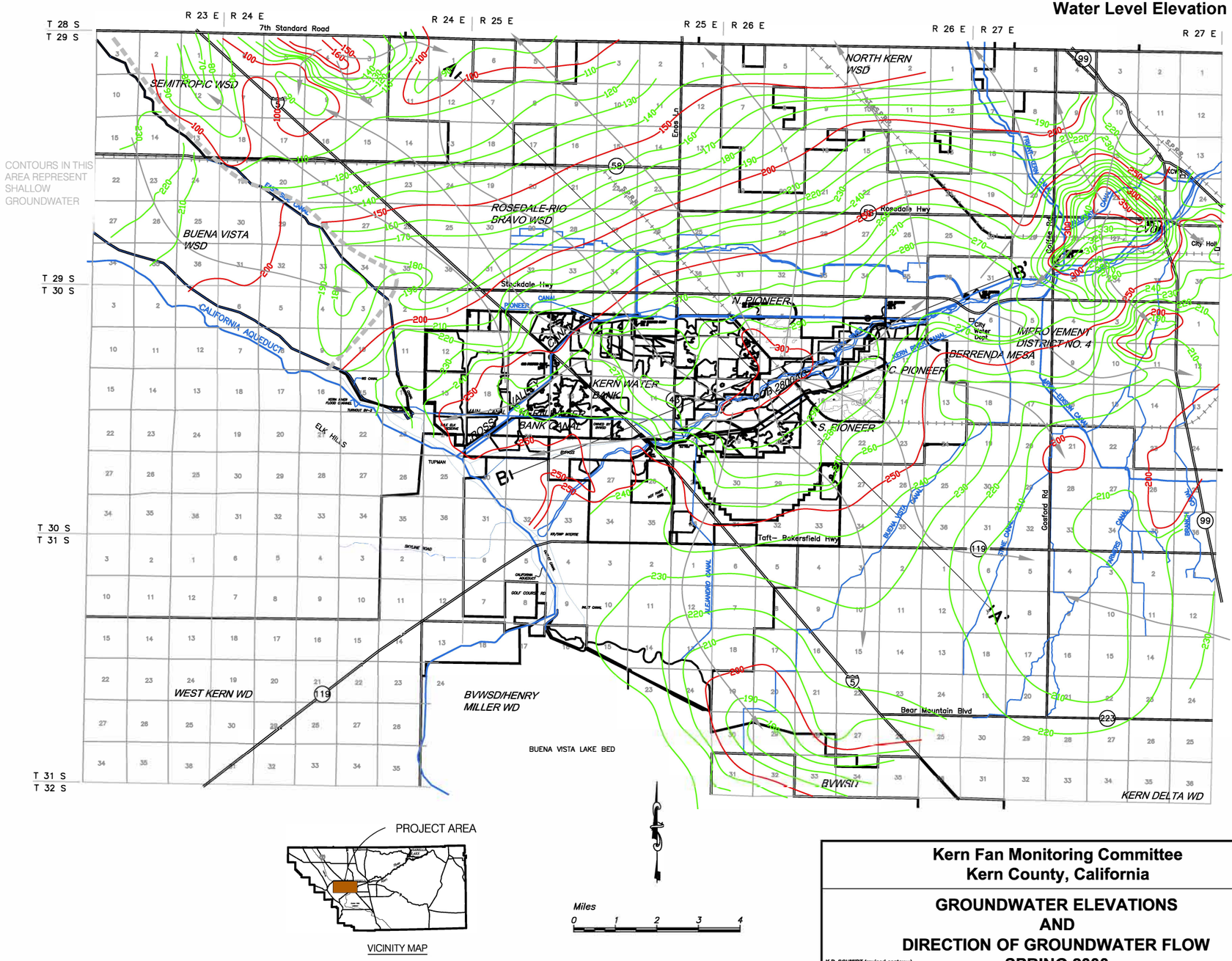
Kern Fan Monitoring Committee
Kern County, California

GROUNDWATER ELEVATIONS
AND
DIRECTION OF GROUNDWATER FLOW
SPRING 1999

K.D. SCHMIDT (revised contours)
T. HASLEBACHER

JULY, 1999
JUNE, 1999

Plate 1-6-2000
Water Level Elevation - 2000



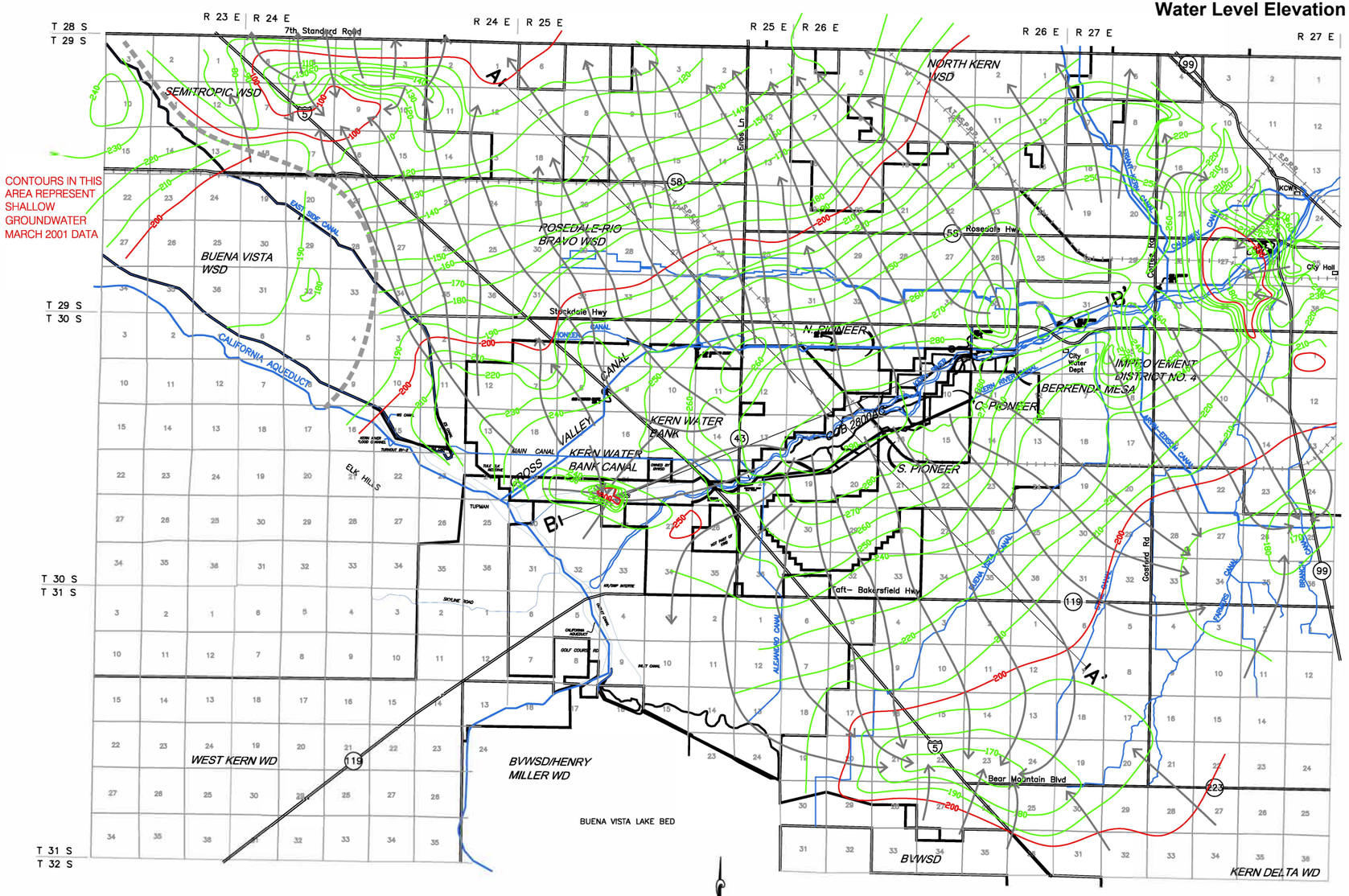
Kern Fan Monitoring Committee
Kern County, California

GROUNDWATER ELEVATIONS
AND
DIRECTION OF GROUNDWATER FLOW
SPRING 2000

K.D. SCHMIDT (revised contours)
T. HASLEBACHER

APRIL, 2002
FEBRUARY, 2002

Plate 1-6-2001
Water Level Elevation - 2001

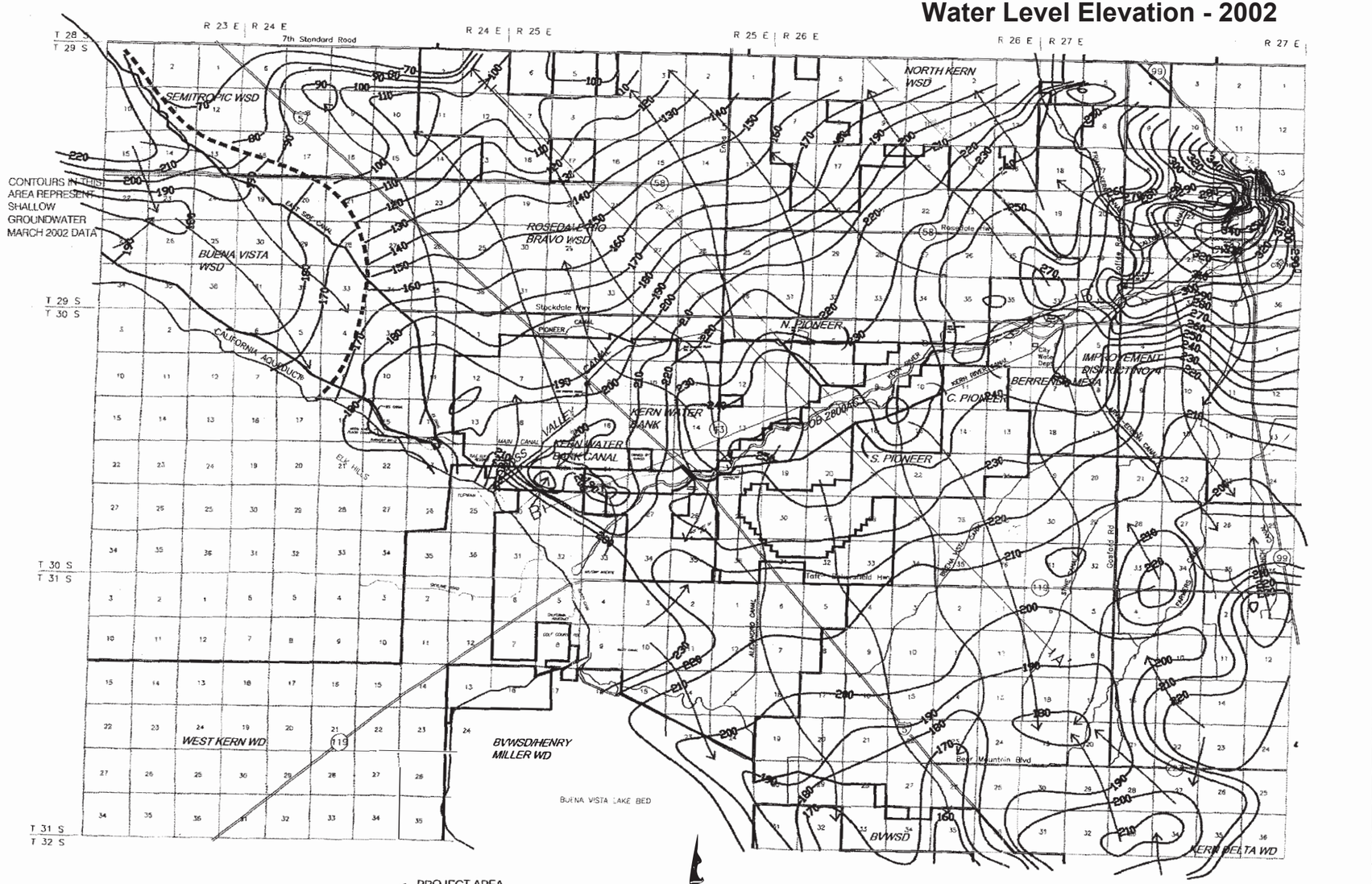


Kern Fan Monitoring Committee
Kern County, California

GROUNDWATER ELEVATIONS AND DIRECTION OF GROUNDWATER FLOW SPRING 2001

K.D. SCHMIDT (flow lines) — OCTOBER 17, 2001
K.D. SCHMIDT (revised contours) — JULY 7, 2001
T. HASLEBACHER — MAY, 2001

Plate 1-6-2002
Water Level Elevation - 2002

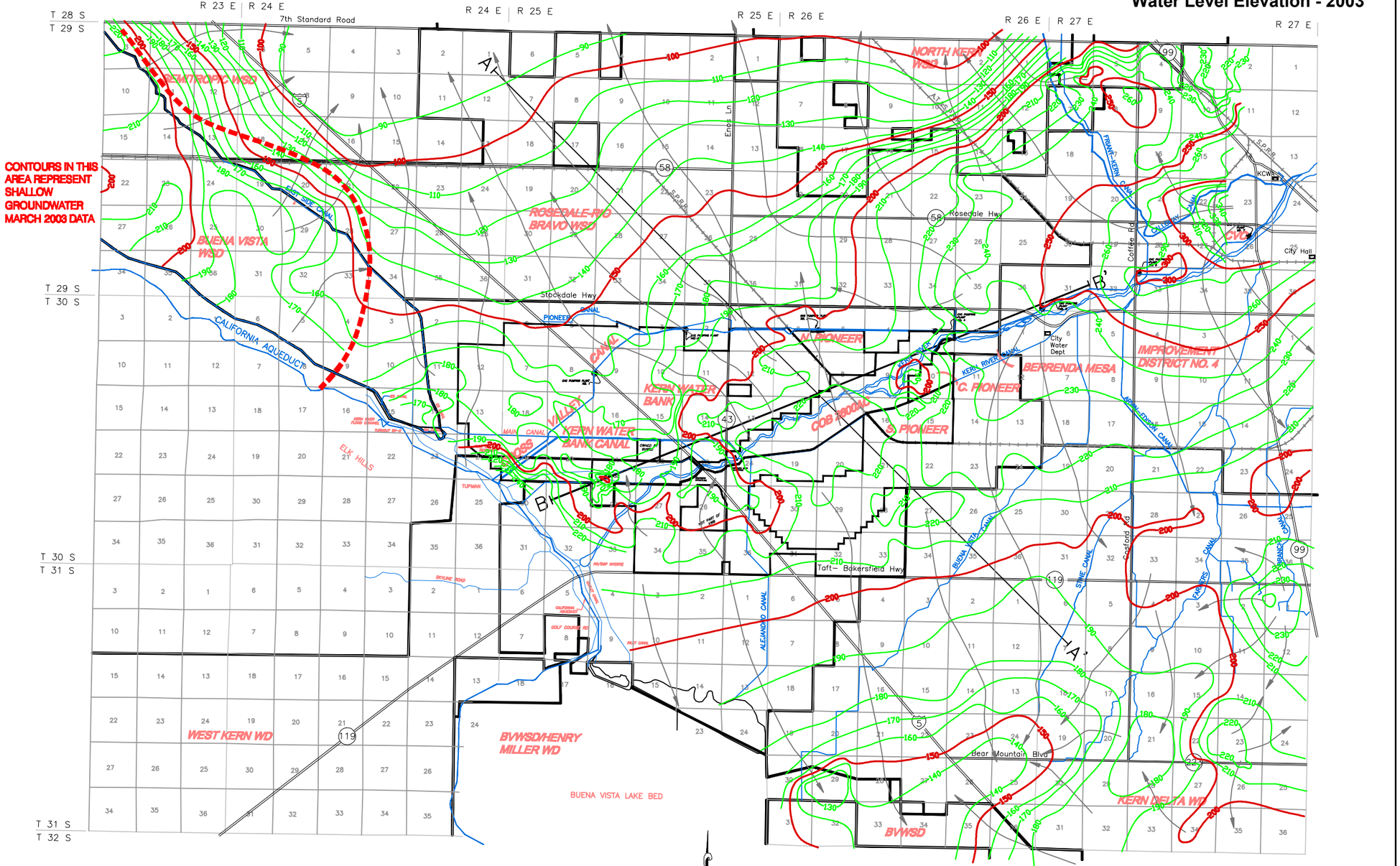


Kern Fan Monitoring Committee
Kern County, California

GROUNDWATER SURFACE ELEVATION
SPRING 2002

K.D. SCHMIDT (flow lines)	JULY 11, 2002
K.D. SCHMIDT (revised contours)	JULY 11, 2002
Z. SMITH / T. HASLEBACHER	MARCH, 2002

Plate 1-6-2003
Water Level Elevation - 2003



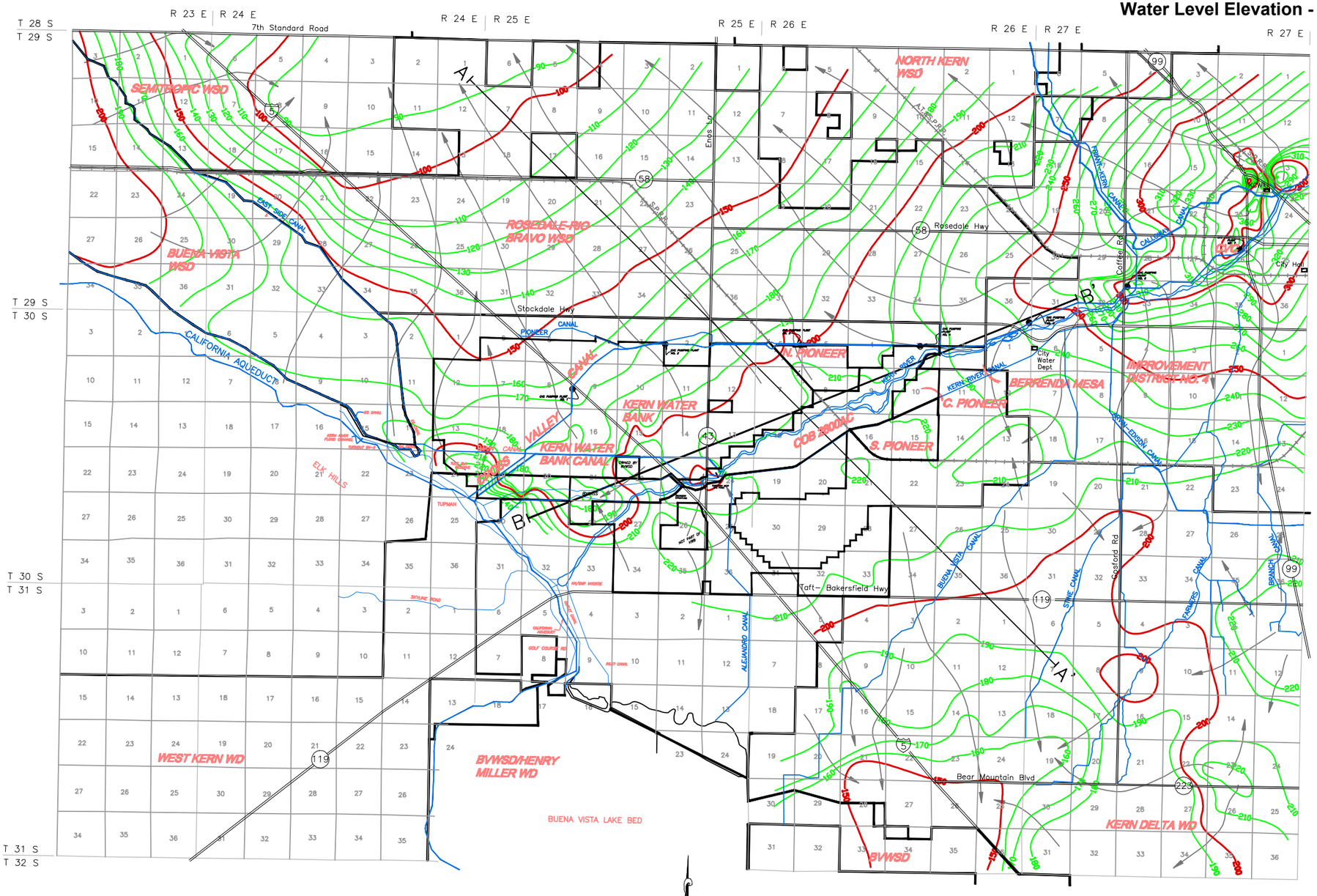
Kern Fan Monitoring Committee
Kern County, California

Kern Fan Monitoring Committee

GROUNDWATER SURFACE ELEVATION
SPRING 2003

K.D. SCHMIDT (Flow Lines) APRIL 23, 2003
K.D. SCHMIDT (Revised Contours) PG #1575; CHg #176 APRIL 23, 2003

Plate 1-6-2004
Water Level Elevation - 2004



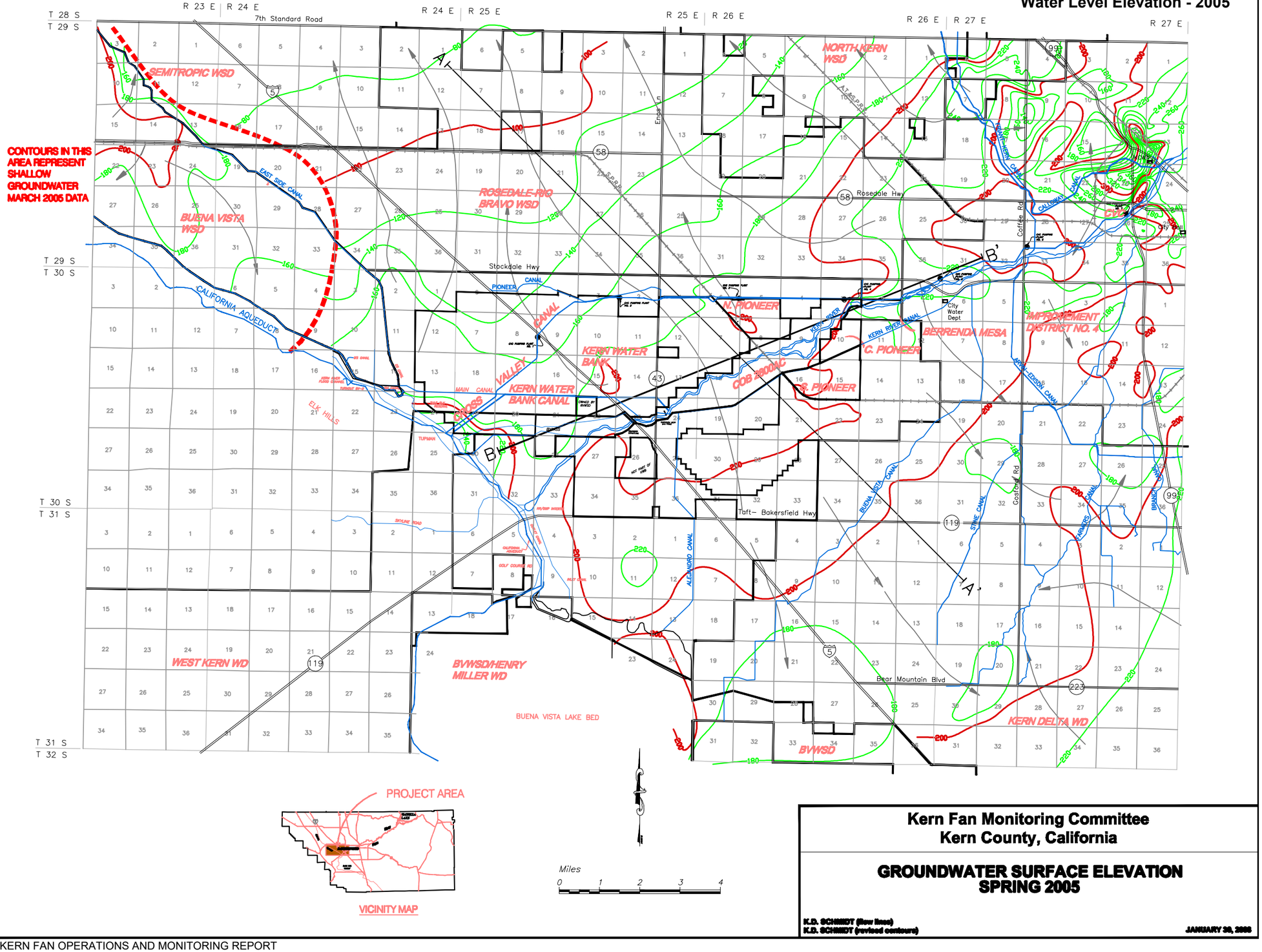
Kern Fan Monitoring Committee
Kern County, California

Kern Fan Monitoring Committee

GROUNDWATER SURFACE ELEVATION
SPRING 2004

K.D. SCHMIDT (Flow Lines) APRIL 22, 2004
K.D. SCHMIDT (Revised Contours) FEBRUARY 18, 2005

Plate 1-6-2005
Water Level Elevation - 2005



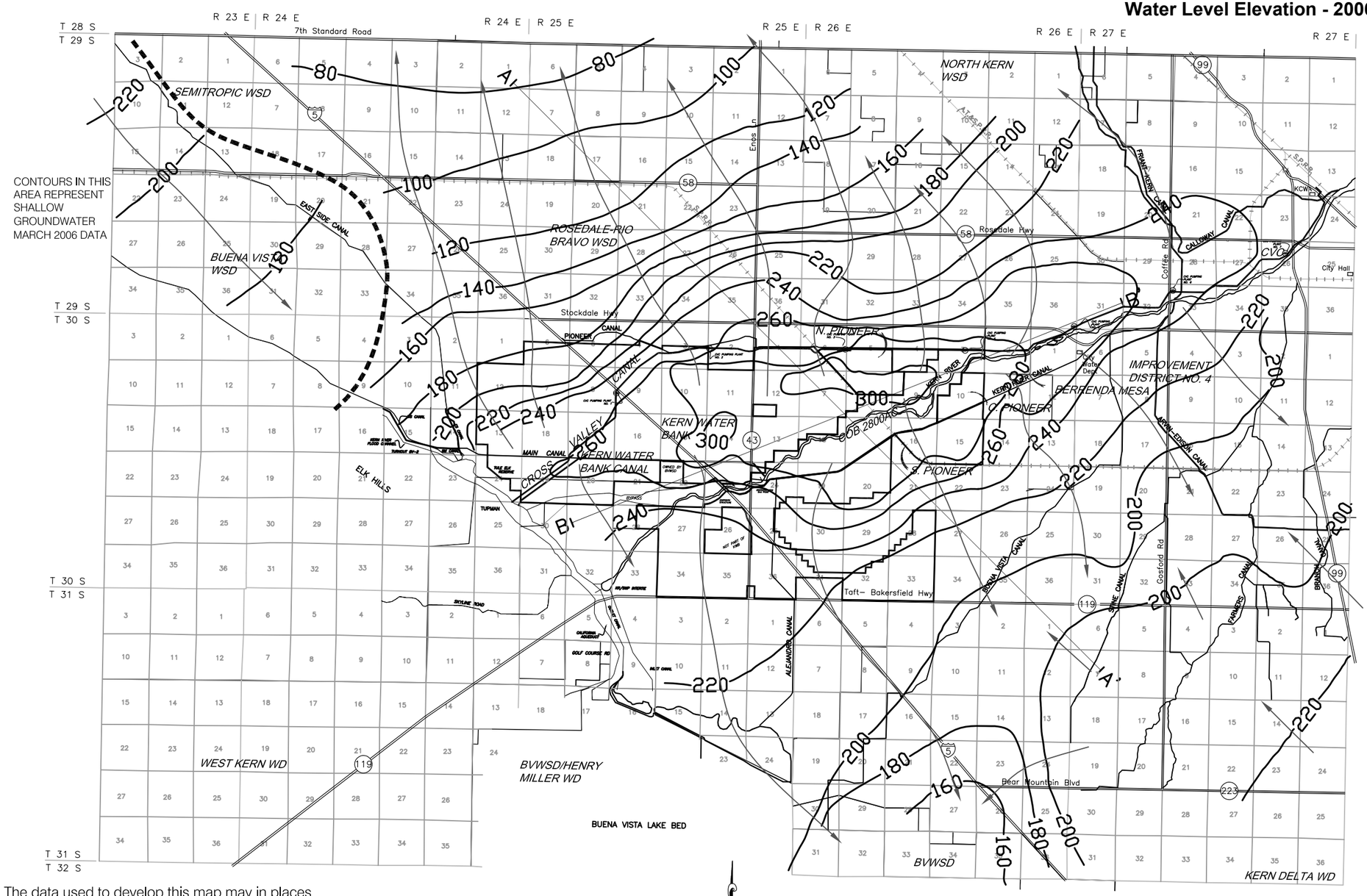
Kern Fan Monitoring Committee
Kern County, California

GROUNDWATER SURFACE ELEVATION
SPRING 2005

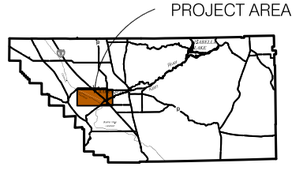
K.D. SCHMIDT (flow lines)
K.D. SCHMIDT (revised contours)

JANUARY 30, 2006

Plate 1-6-2006
Water Level Elevation - 2006



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

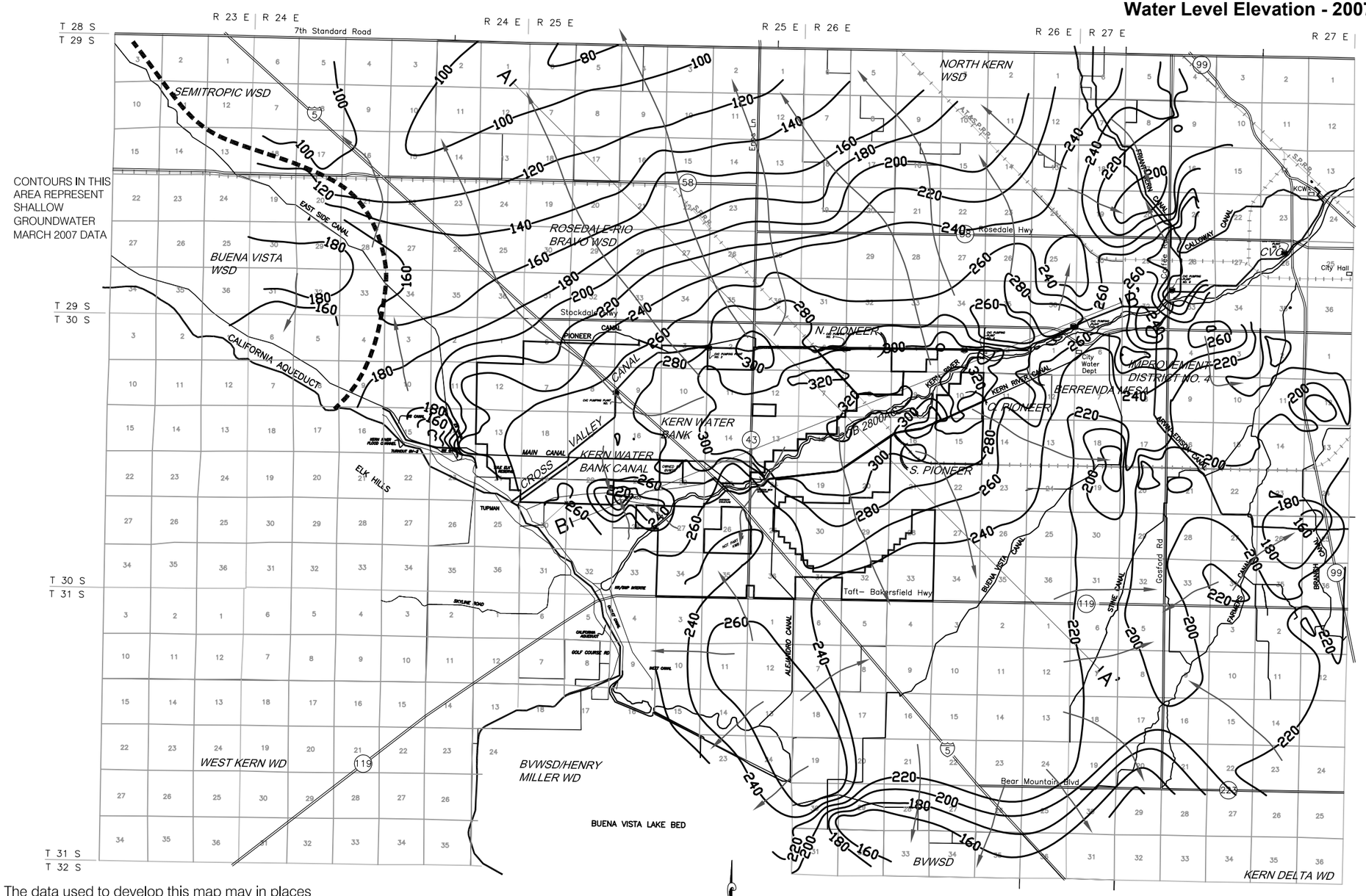
Kern Fan Monitoring Committee
Kern County, California

ELEVATION OF POTENTIOMETRIC SURFACE

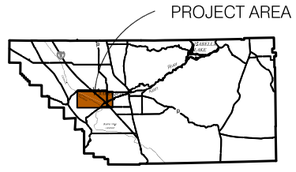
DIRECTION OF GROUNDWATER FLOW
SPRING 2006

K.D. SCHMIDT (hand contoured) **MARCH 14, 2009**

Plate 1-6-2007
Water Level Elevation - 2007



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

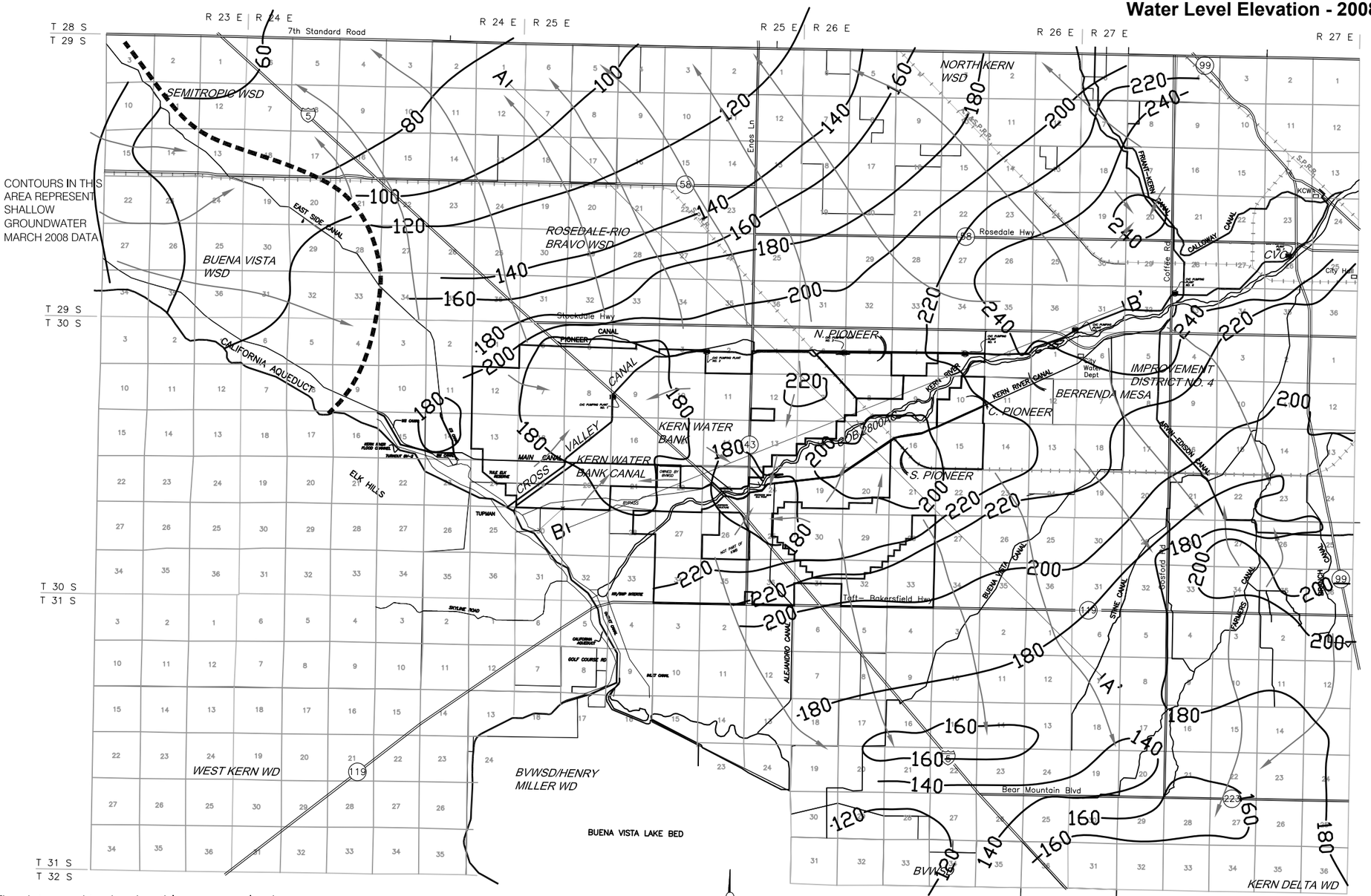
Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

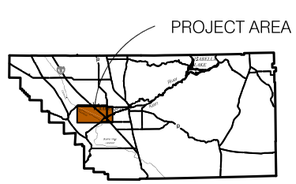
ELEVATION OF POTENTIOMETRIC SURFACE
DIRECTION OF GROUNDWATER FLOW
MIDDLE ZONE
SPRING 2007

K.D. SCHMIDT (hand contoured) — OCTOBER, 2007

Plate 1-6-2008
Water Level Elevation - 2008



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

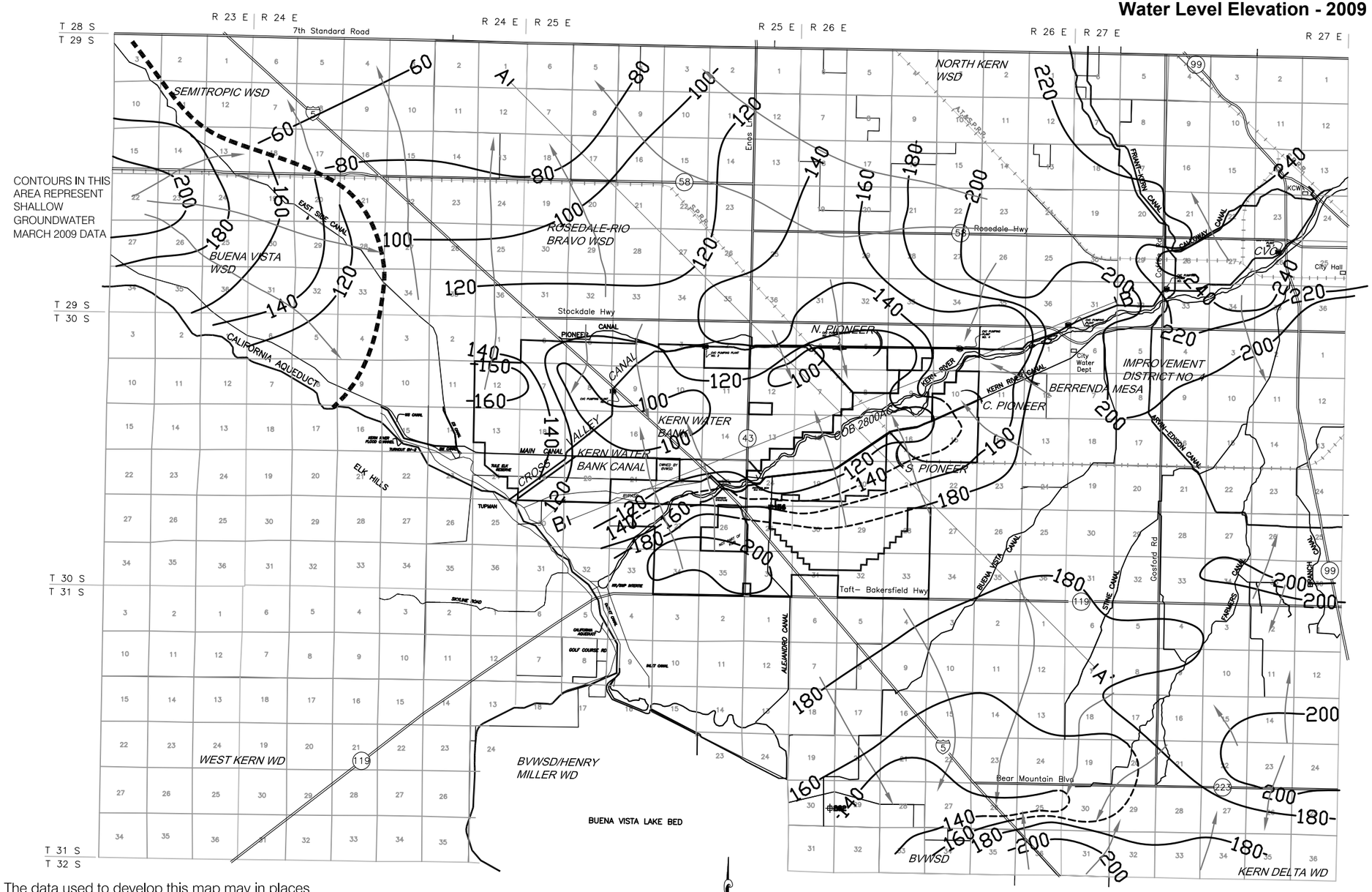
Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

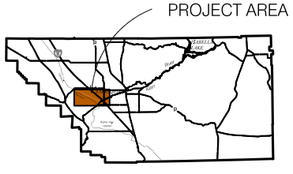
ELEVATION OF POTENTIOMETRIC SURFACE
DIRECTION OF GROUNDWATER FLOW
MIDDLE ZONE
SPRING 2008

K.D. SCHMIDT (hand contoured) **May 21, 2009**

Plate 1-6-2009
Water Level Elevation - 2009



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



Miles
0 1 2 3 4

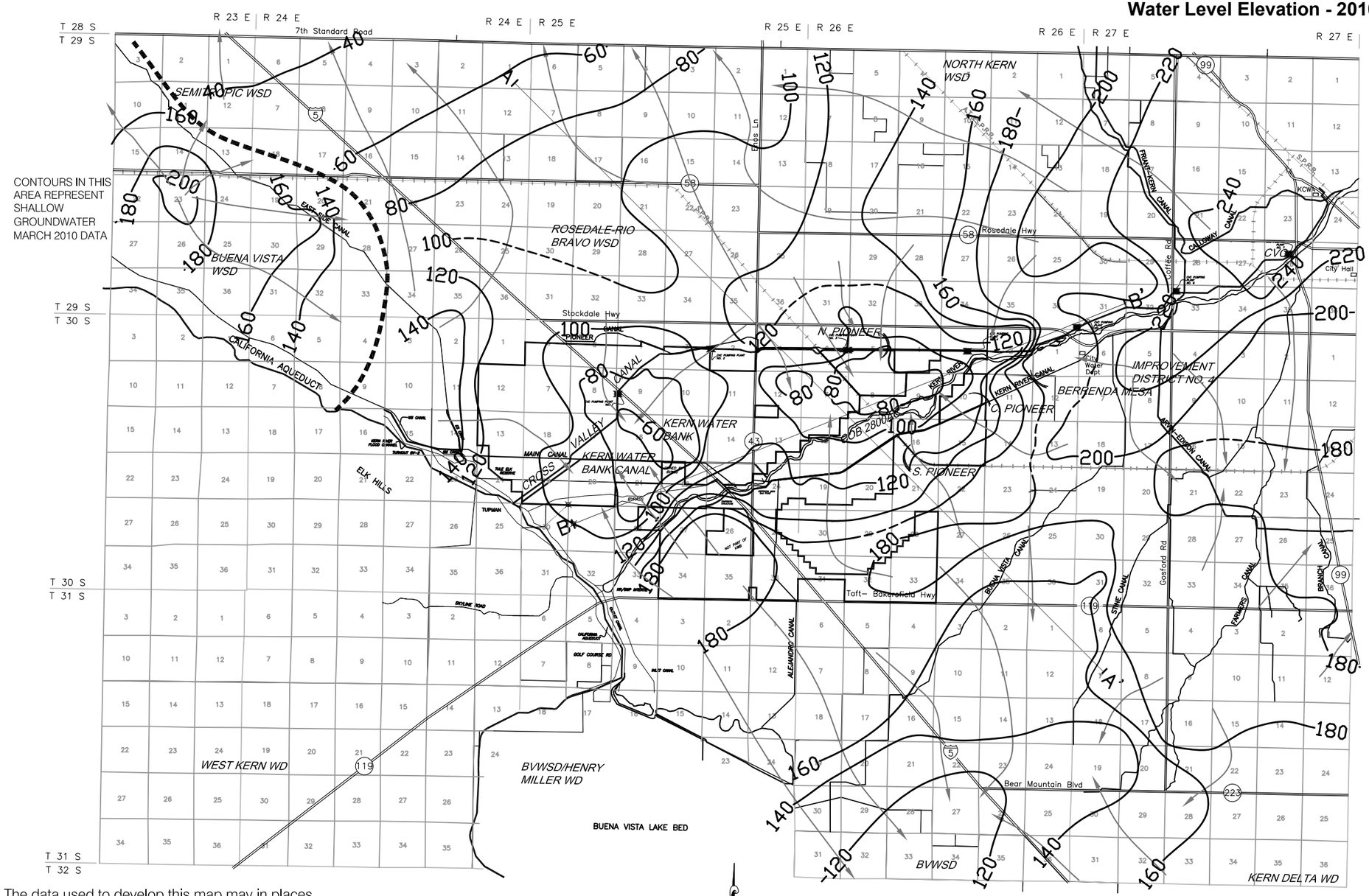
Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

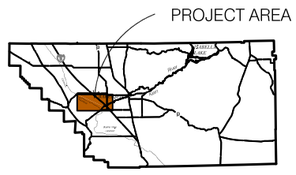
ELEVATION OF POTENTIOMETRIC SURFACE
DIRECTION OF GROUNDWATER FLOW
MIDDLE ZONE
SPRING 2009

K.D. SCHMIDT (hand contoured) June 27, 2009

Plate 1-6-2010
Water Level Elevation - 2010



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

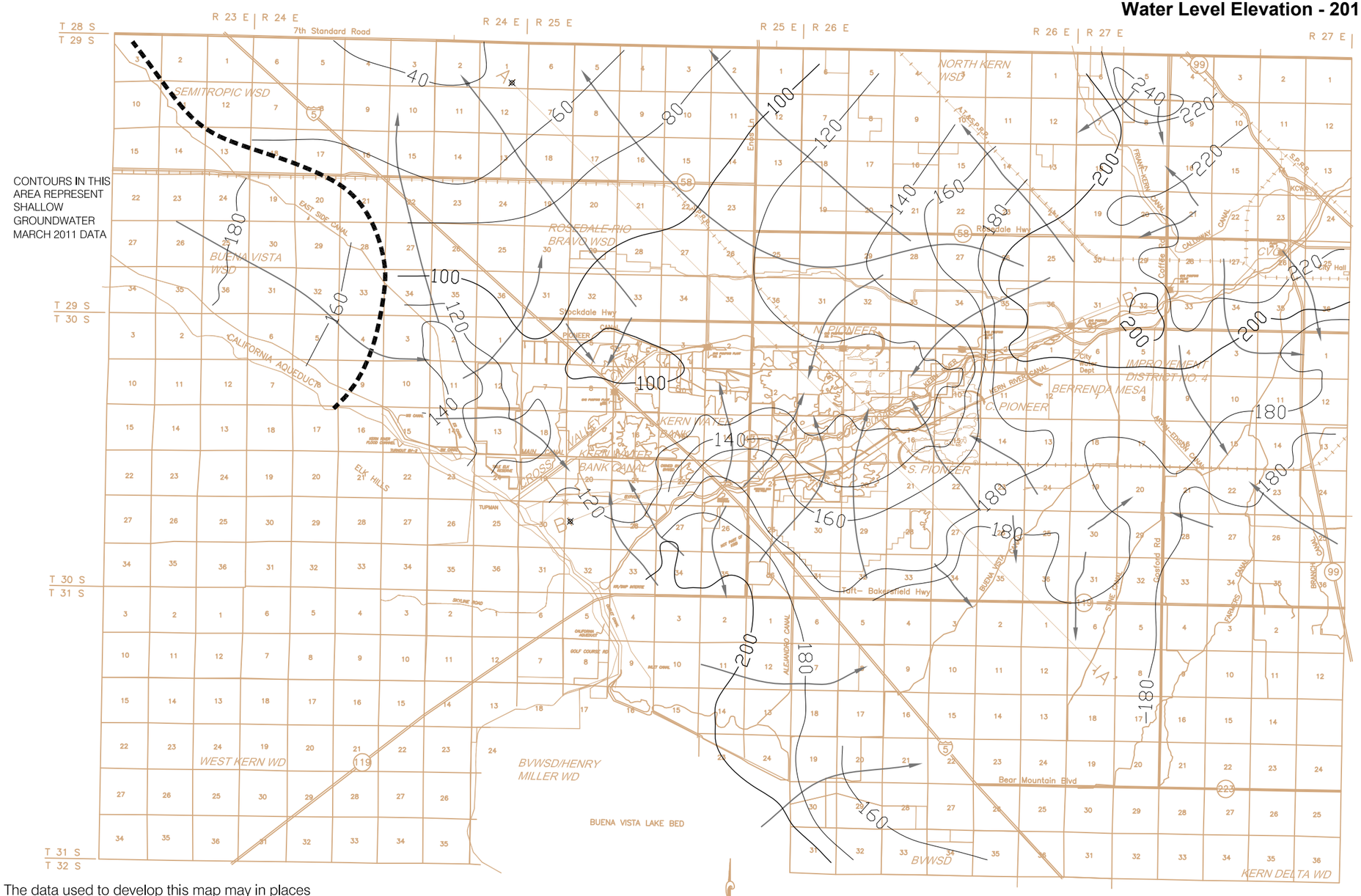
Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

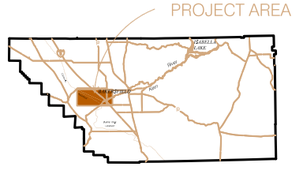
ELEVATION OF POTENTIOMETRIC SURFACE
DIRECTION OF GROUNDWATER FLOW
MIDDLE ZONE
SPRING 2010

K.D. SCHMIDT (hand contoured) — July 17, 2010

Plate 1-6-2011
Water Level Elevation - 2011



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

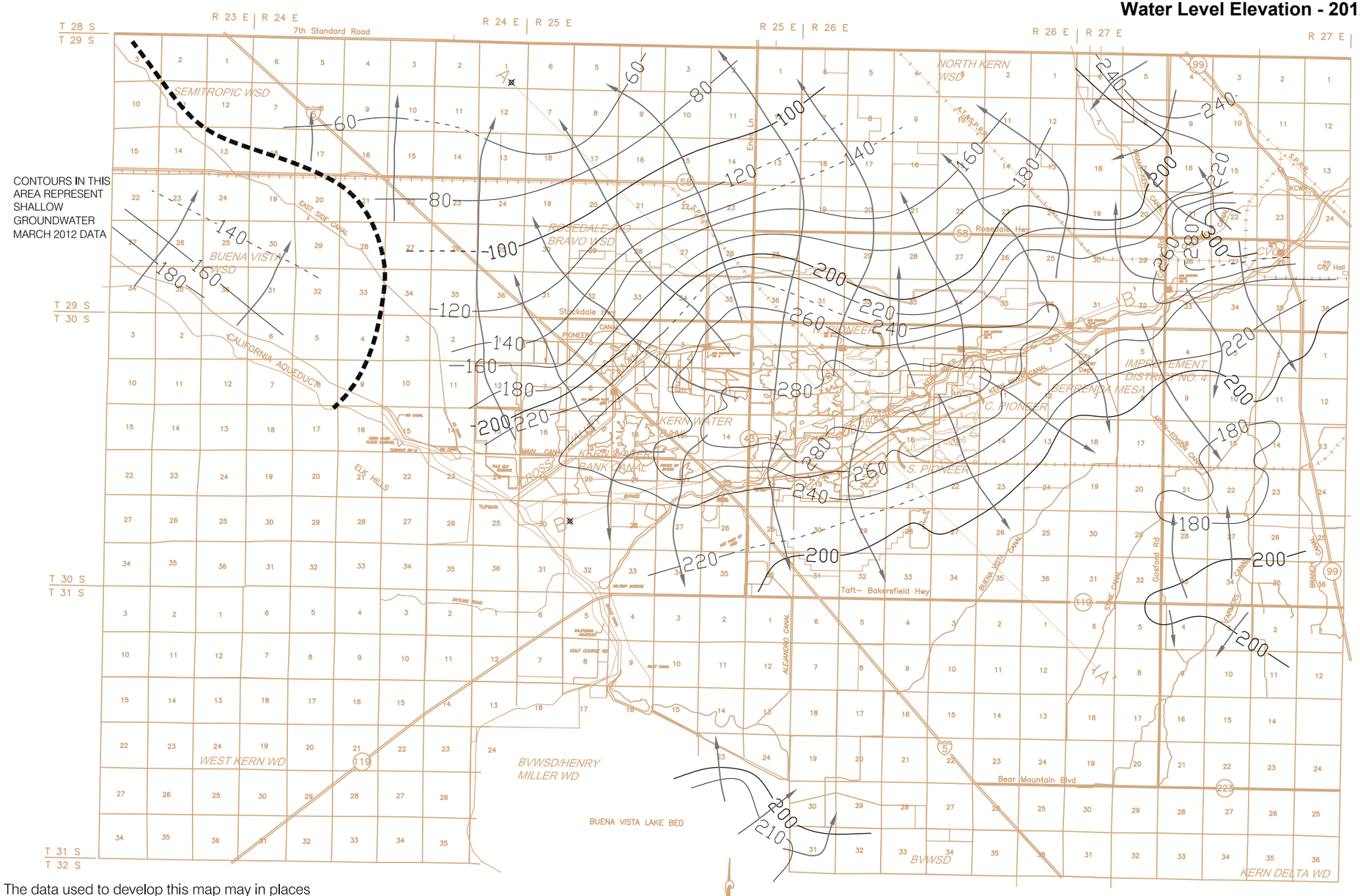
Kern Fan Monitoring Committee
Kern County, California

ELEVATION OF POTENTIOMETRIC SURFACE
DIRECTION OF GROUNDWATER FLOW
MIDDLE ZONE
SPRING 2011

K.D. SCHMIDT (hand contoured)

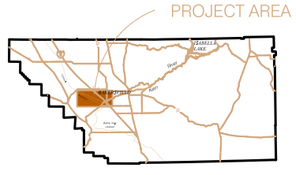
May 16, 2011

Plate 1-6-2012
Water Level Elevation - 2012



CONTOURS IN THIS AREA REPRESENT SHALLOW GROUNDWATER MARCH 2012 DATA

Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



Miles
0 1 2 3 4

Contour Interval=20 feet

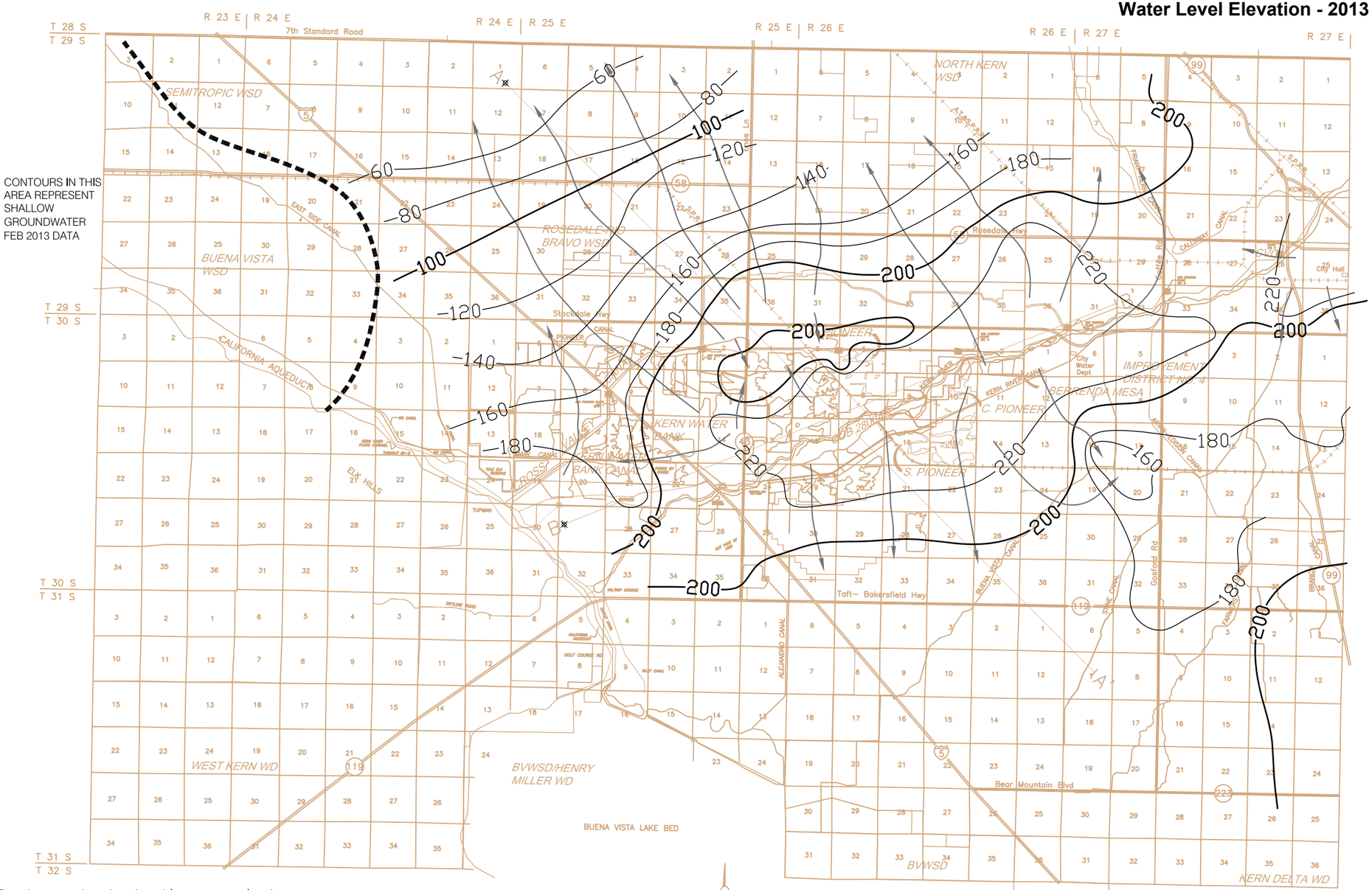
Kern Fan Monitoring Committee
Kern County, California

ELEVATION OF POTENTIOMETRIC SURFACE
DIRECTION OF GROUNDWATER FLOW
MIDDLE ZONE
SPRING 2012

K.D. SCHMIDT (hand contoured)

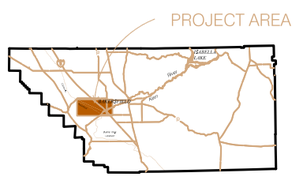
October 24, 2012

Plate 1-6-2013
Water Level Elevation - 2013



CONTOURS IN THIS AREA REPRESENT SHALLOW GROUNDWATER FEB 2013 DATA

Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



Miles
0 1 2 3 4

Contour Interval=20 feet

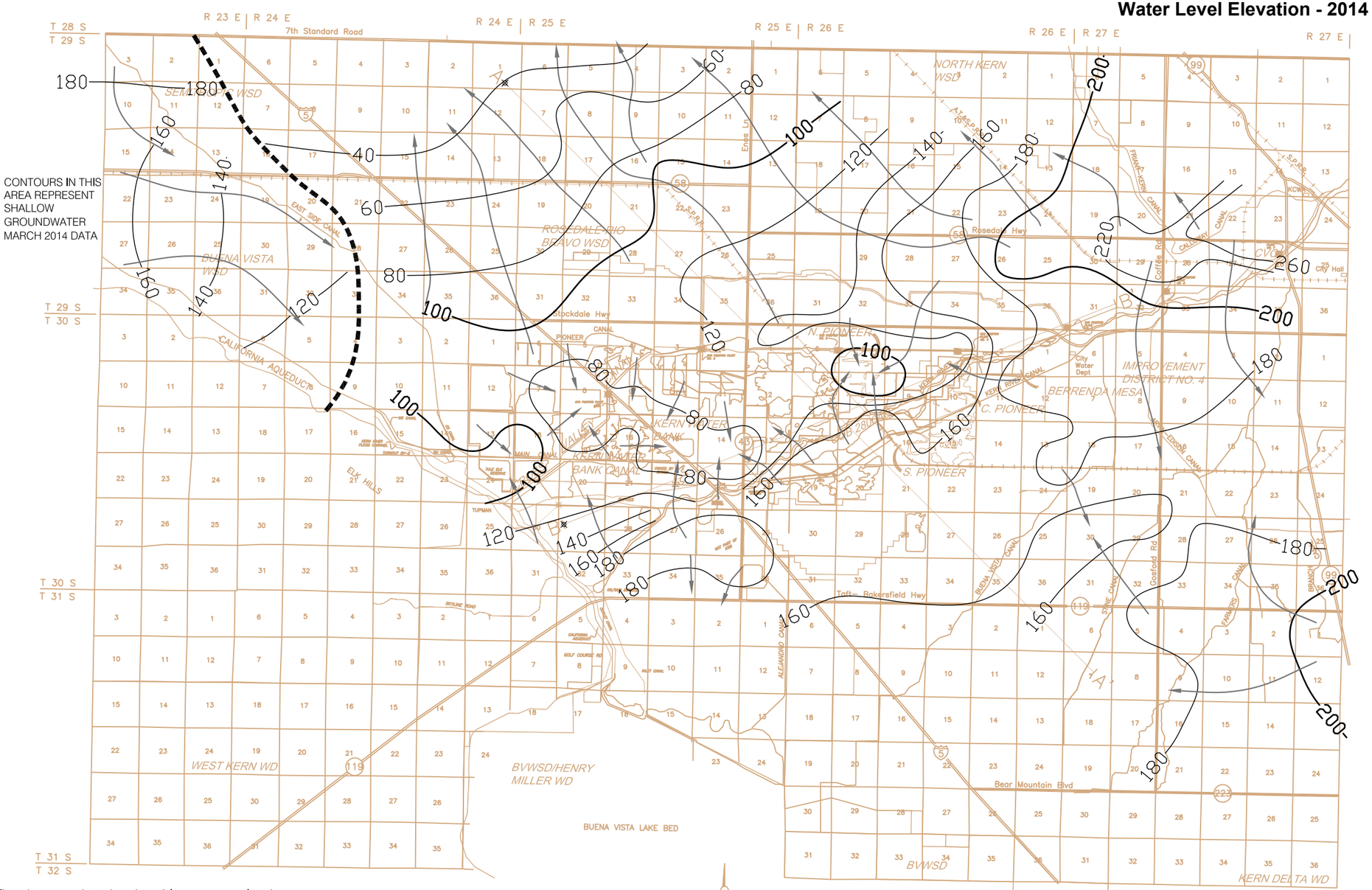
Kern Fan Monitoring Committee
Kern County, California

ELEVATION OF POTENTIOMETRIC SURFACE
DIRECTION OF GROUNDWATER FLOW
MIDDLE ZONE
SPRING 2013

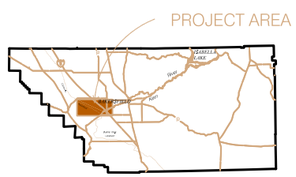
K.D. SCHMIDT (hand contoured)

June 12, 2013

Plate 1-6-2014
Water Level Elevation - 2014



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

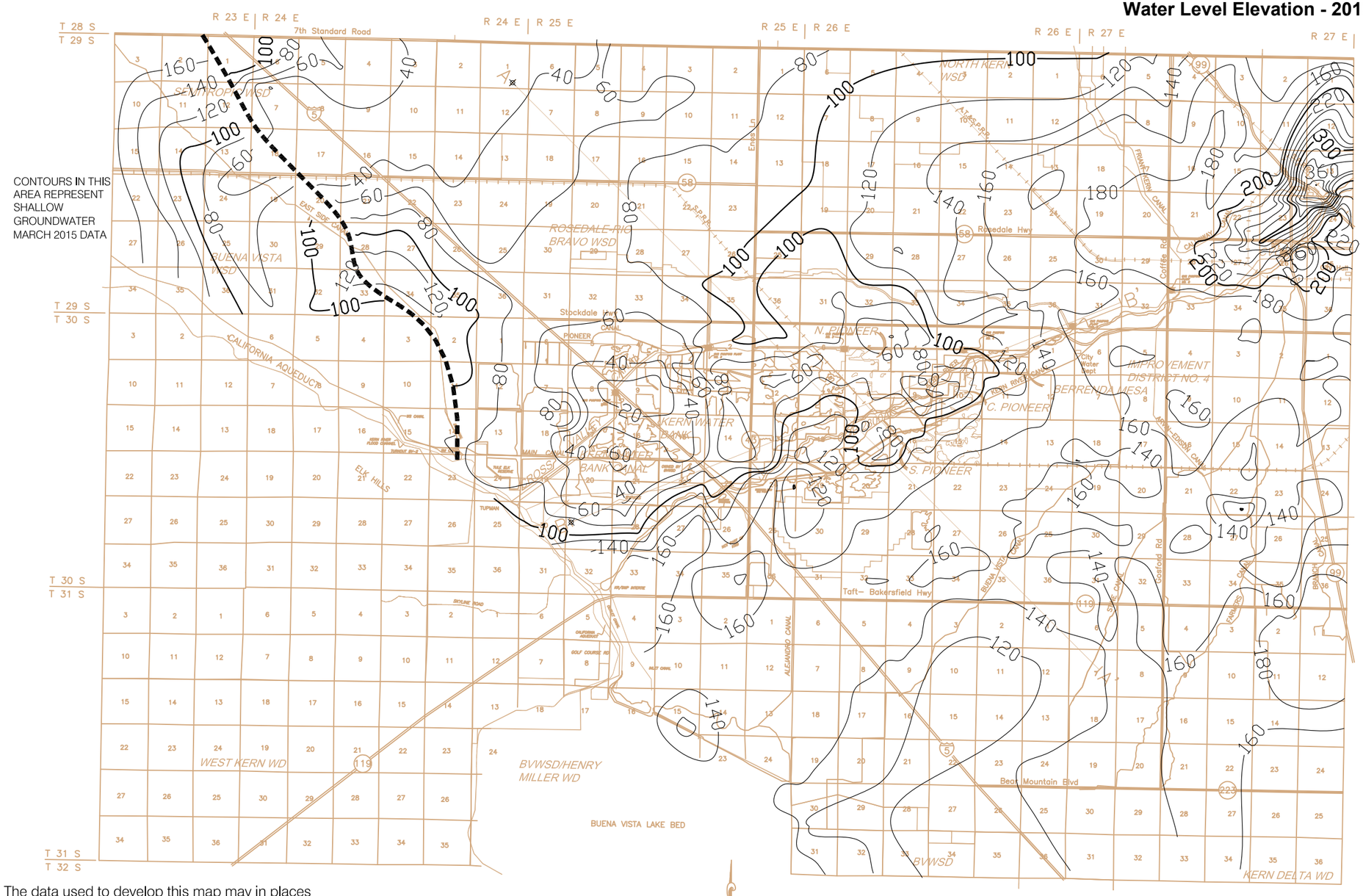
Kern Fan Monitoring Committee
Kern County, California

ELEVATION OF POTENTIOMETRIC SURFACE
DIRECTION OF GROUNDWATER FLOW
MIDDLE ZONE
SPRING 2014

K.D. SCHMIDT (hand contoured)

September 2014

Plate 1-6-2015
Water Level Elevation - 2015



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.

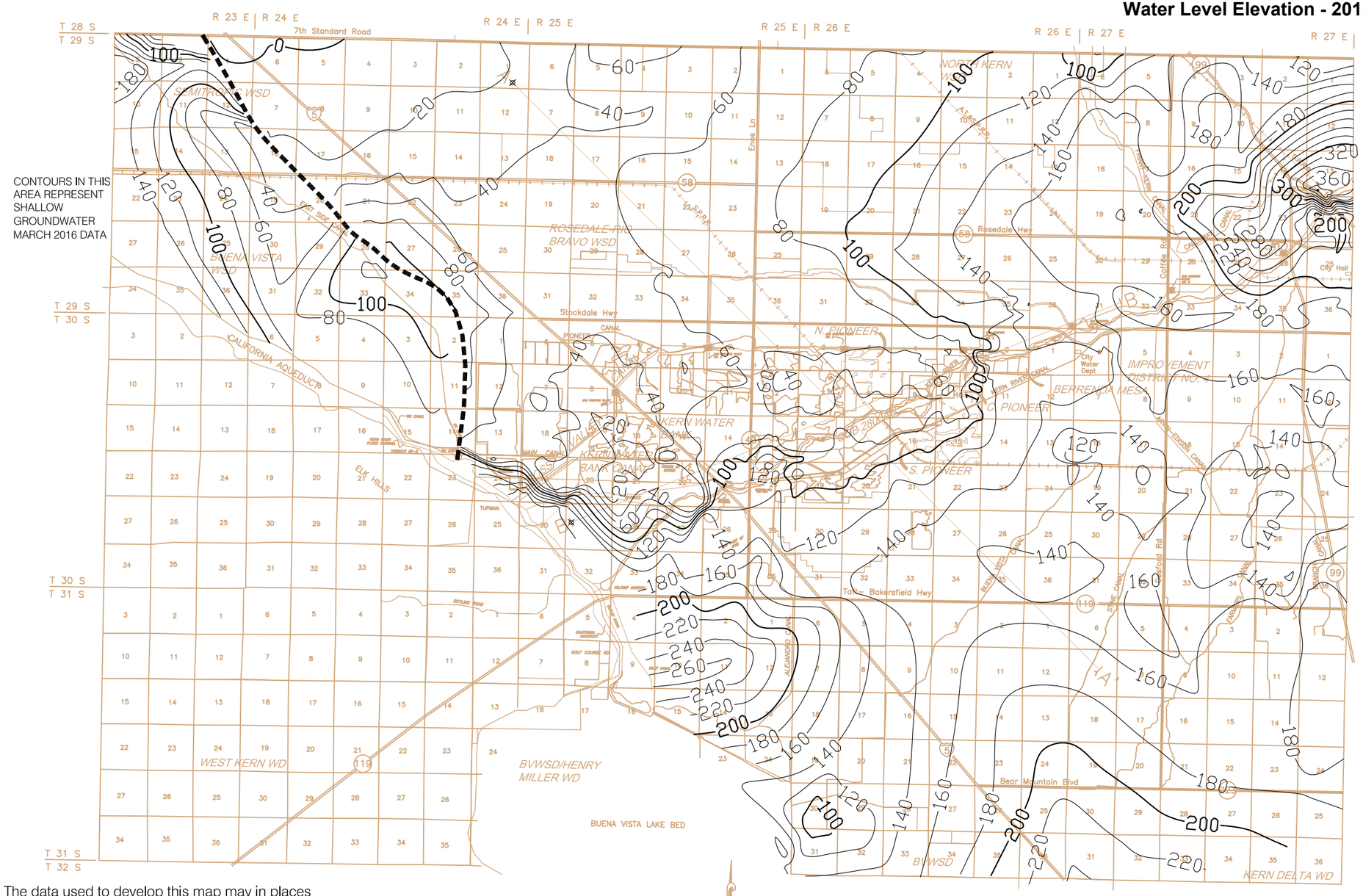
Kern Fan Monitoring Committee
Kern County, California

ELEVATION OF POTENTIOMETRIC SURFACE
DIRECTION OF GROUNDWATER FLOW
MIDDLE ZONE
SPRING 2015

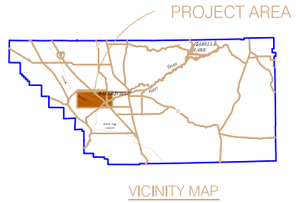
Michelle Anderson PG #8898

August 5, 2015

Plate 1-6-2016
Water Level Elevation - 2016



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



Miles
0 1 2 3 4

Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

ELEVATION OF POTENTIOMETRIC SURFACE

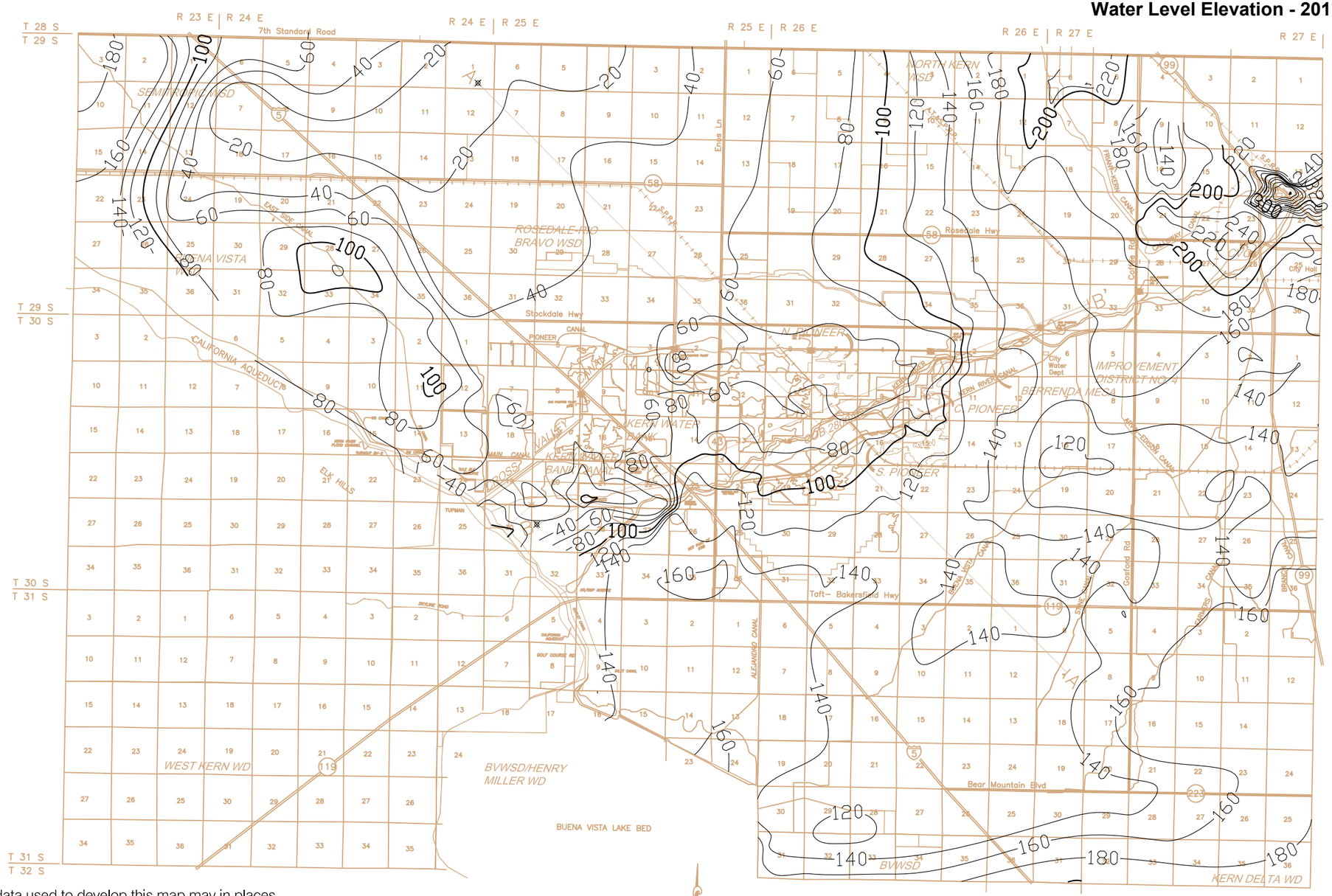
MIDDLE ZONE

SPRING 2016

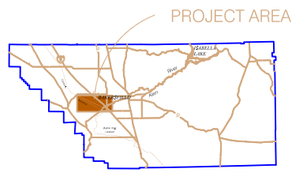
Michelle Anderson PG #8898

July 27, 2016

Plate 1-6-2017
Water Level Elevation - 2017



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

ELEVATION OF POTENTIOMETRIC SURFACE

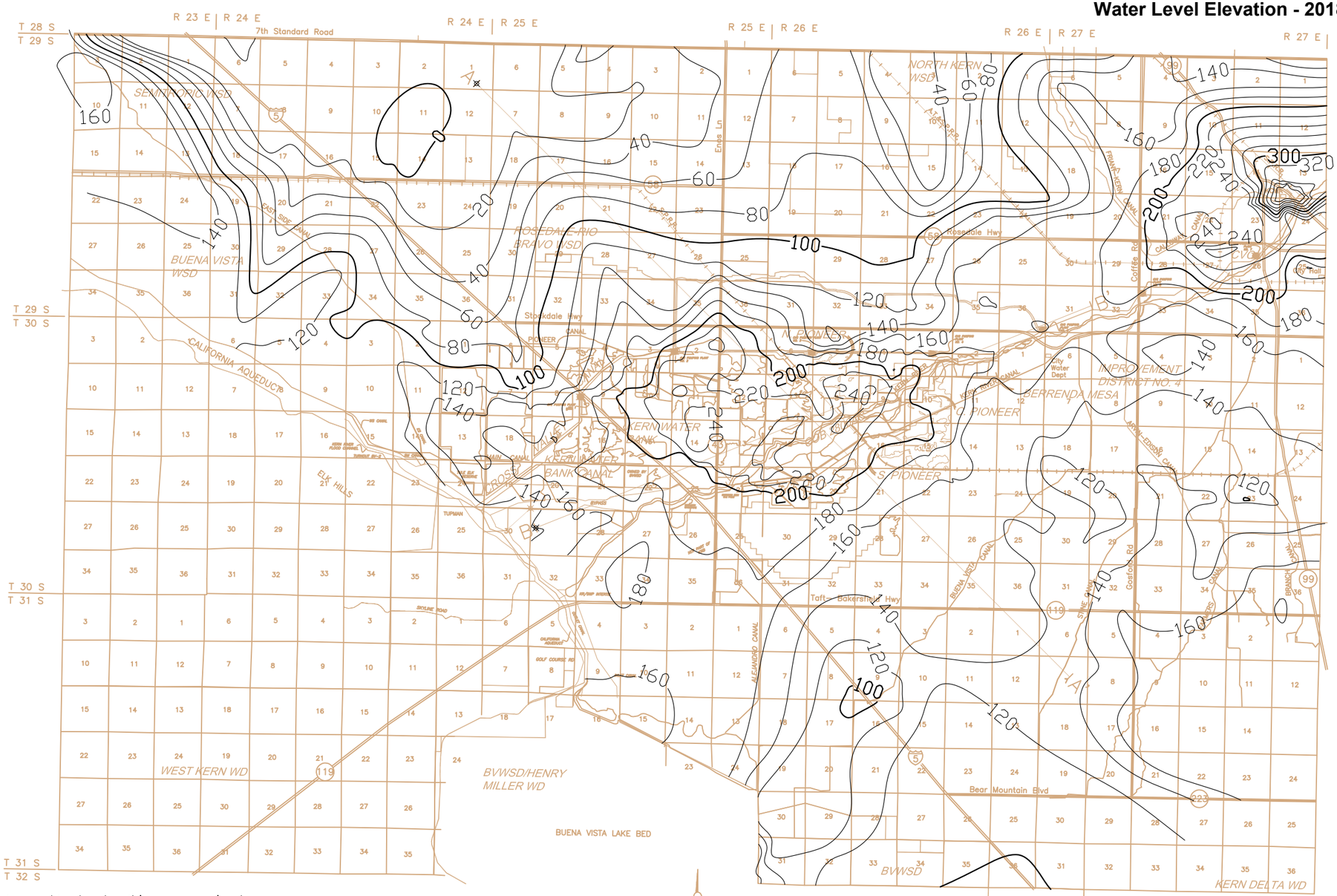
MIDDLE ZONE

SPRING 2017

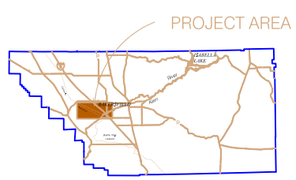
Michelle Anderson PG #8898

July 11, 2017

Plate 1-6-2018
Water Level Elevation - 2018



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



Miles
0 1 2 3 4

Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

ELEVATION OF POTENTIOMETRIC SURFACE

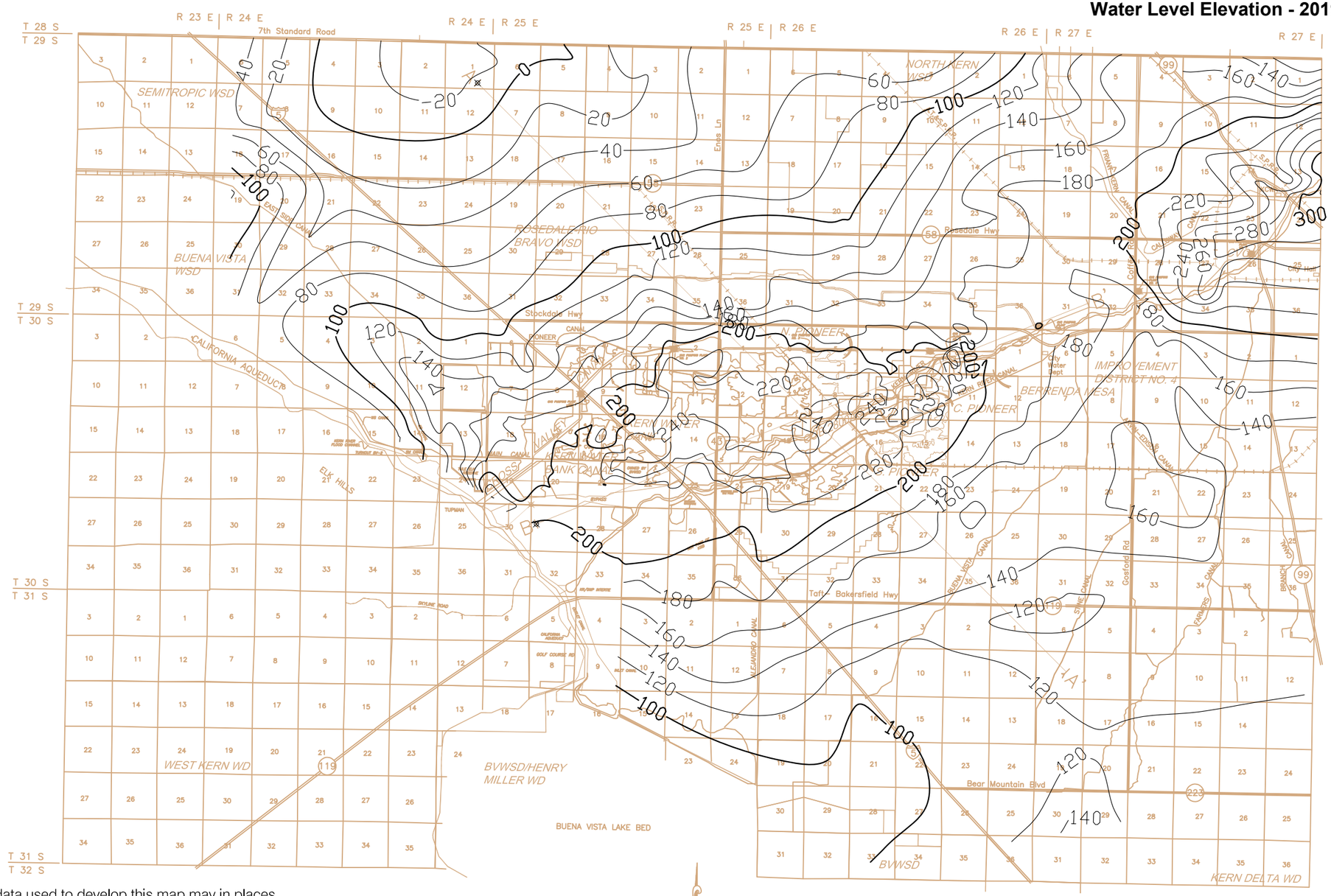
MIDDLE ZONE

SPRING 2018

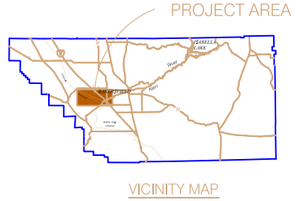
Michelle Anderson PG #8898

Sept. 12, 2018

Plate 1-6-2019
Water Level Elevation - 2019



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

ELEVATION OF POTENTIOMETRIC SURFACE

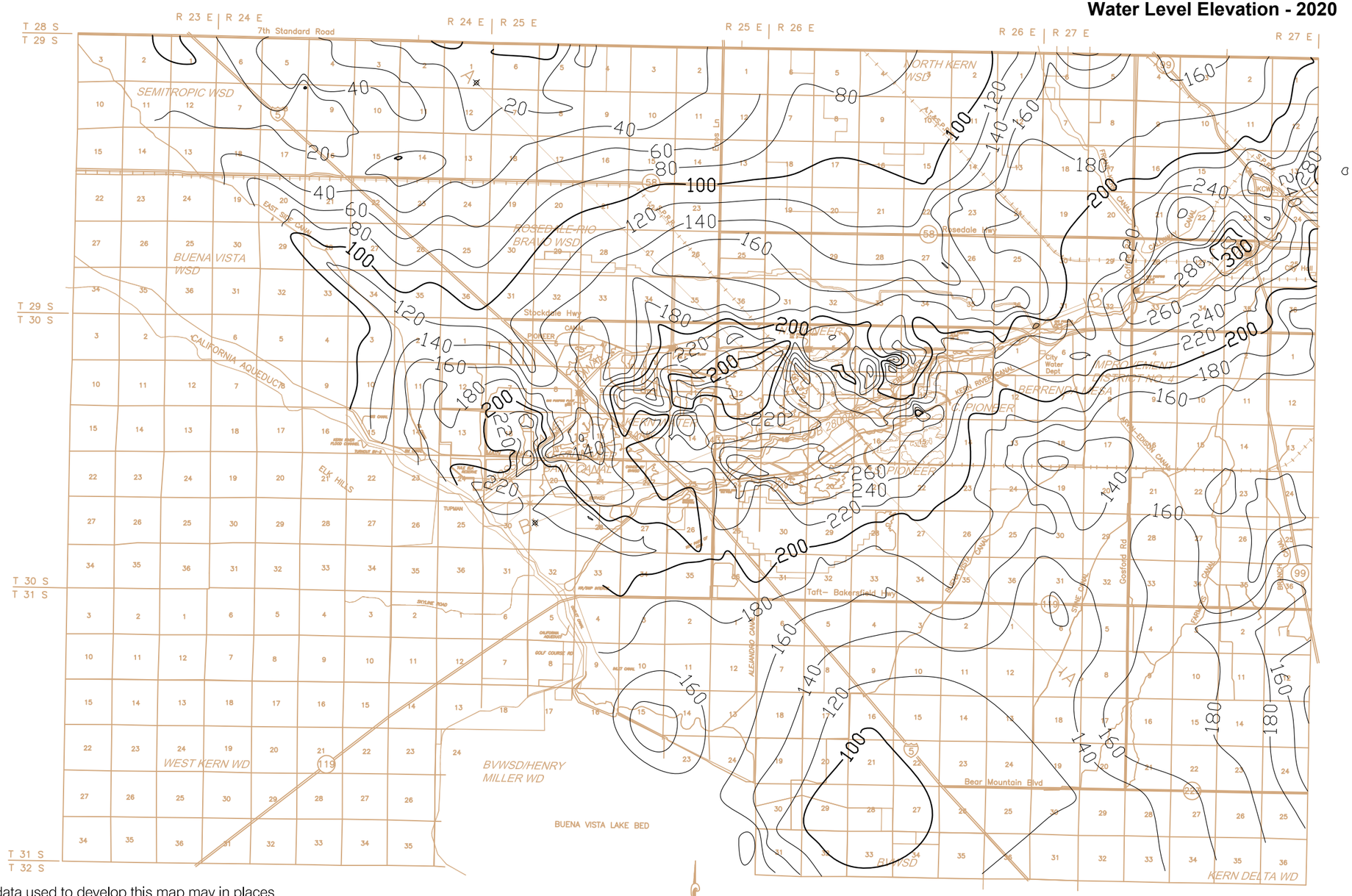
MIDDLE ZONE

SPRING 2019

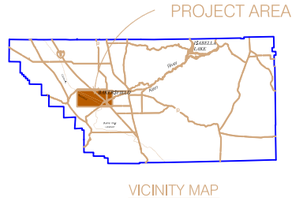
Michelle Anderson PG #8898

June 29, 2020

Plate 1-6-2020
Water Level Elevation - 2020



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

ELEVATION OF POTENTIOMETRIC SURFACE

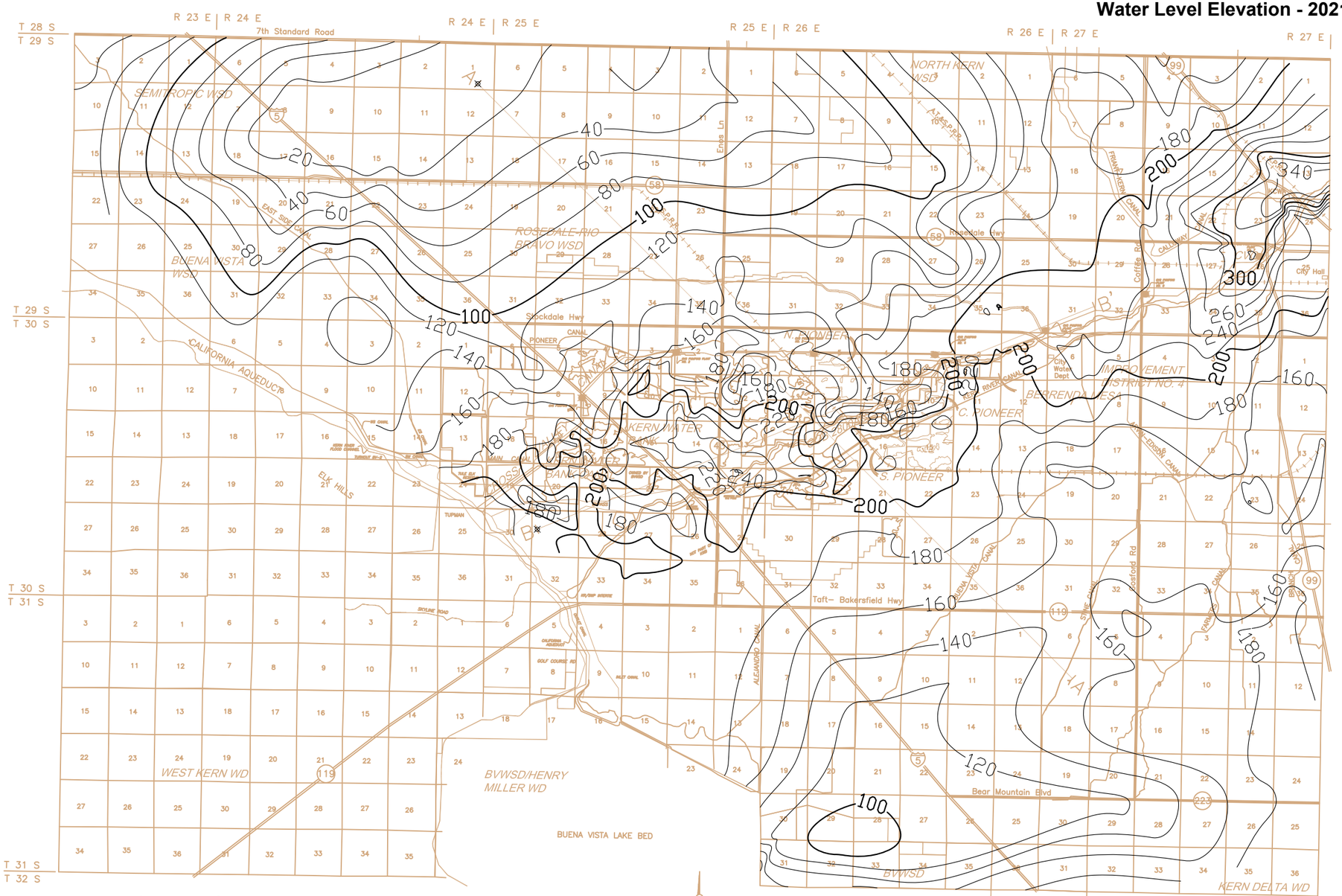
MIDDLE ZONE

SPRING 2020

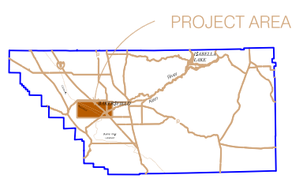
Michelle Anderson PG #8898

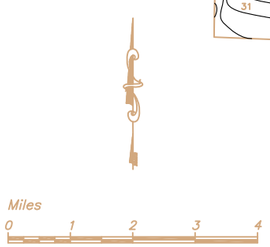
July 7, 2020

Plate 1-6-2021
Water Level Elevation - 2021



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.





Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

ELEVATION OF POTENTIOMETRIC SURFACE

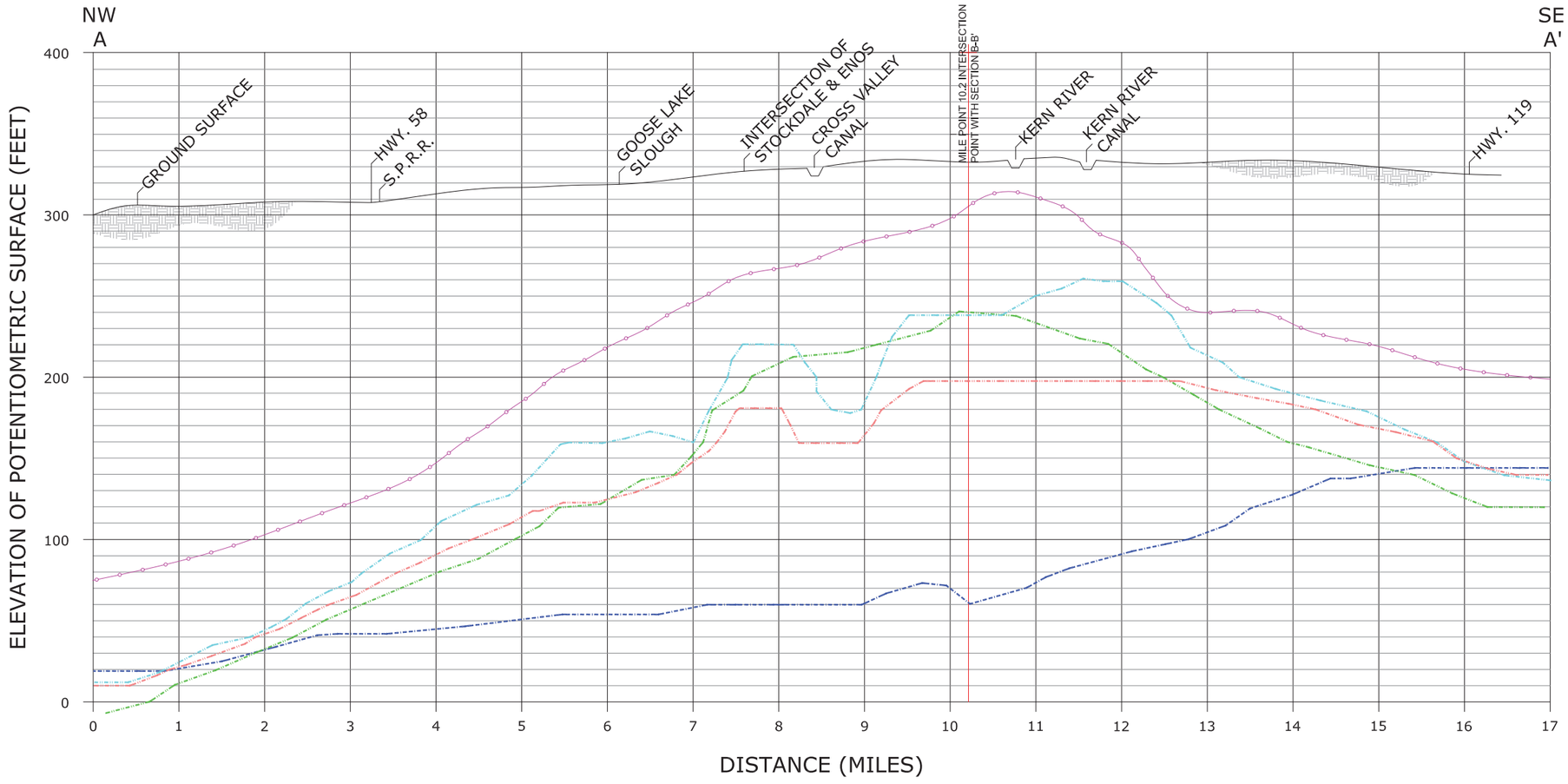
MIDDLE ZONE

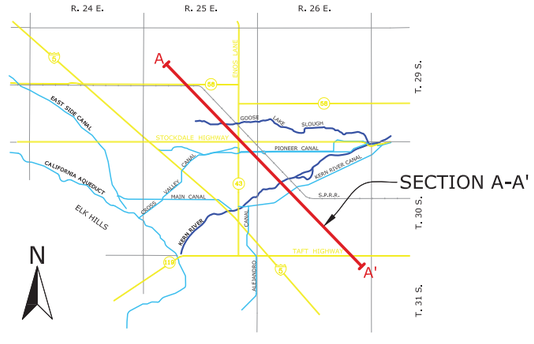
SPRING 2021

Michelle Anderson PG #8898

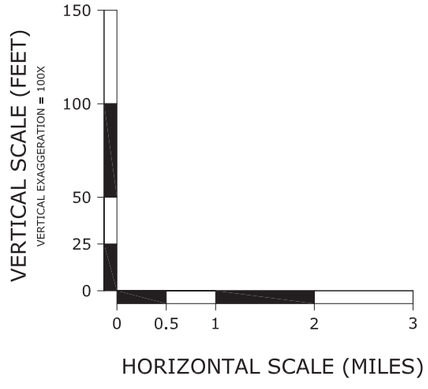
December 30, 2021

ELEVATION OF POTENTIOMETRIC SURFACE





VICINITY MAP
(NOT TO SCALE)



KERN COUNTY WATER AGENCY

KERN FAN OPERATIONS REPORT

HYDROLOGIC PROFILE A-A'

NO.	BY	DATE	DESCRIPTION

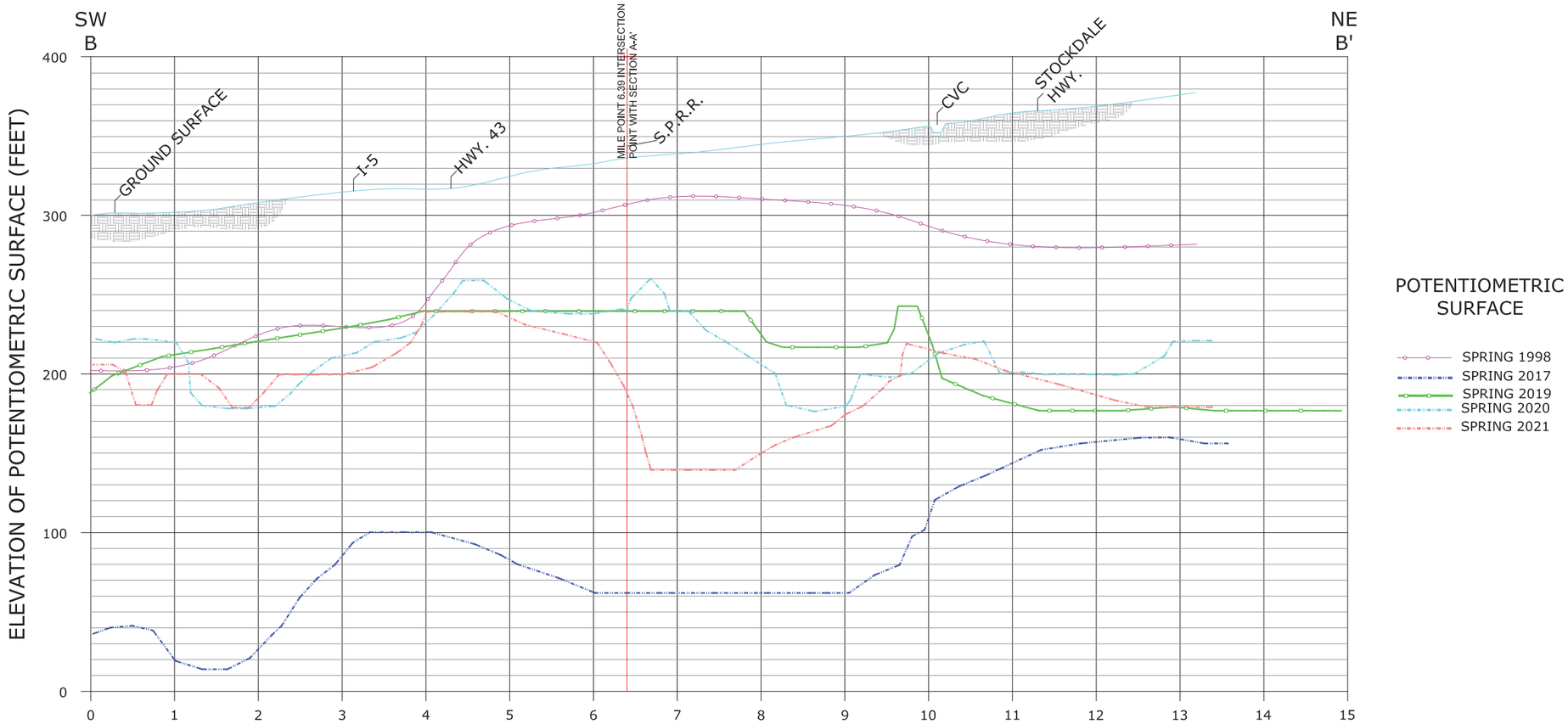
PROJECT: KERN FAN OPS REPORT
FILE NAME: Profile A-A' 2021.dwg
DATE: 2022-08-09
DRAWN BY: M. ANDERSON
REVIEWED BY: M. ANDERSON
APPROVED BY: M. ANDERSON

N

SCALE: AS SHOWN

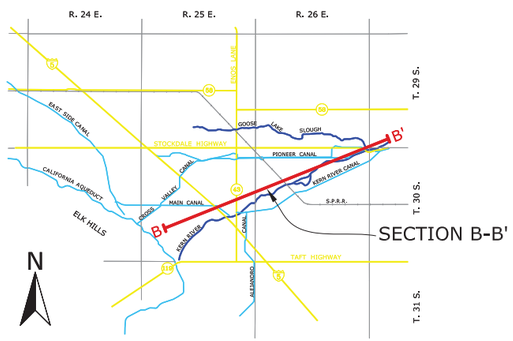
FIGURE 1-1

ELEVATION OF POTENTIOMETRIC SURFACE



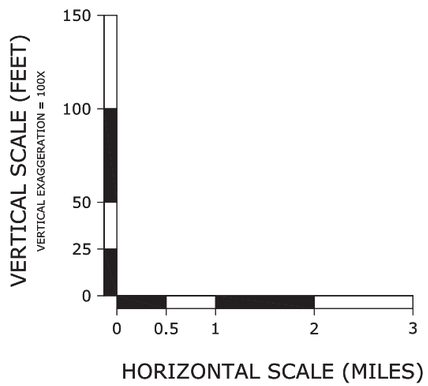
POTENTIOMETRIC SURFACE

- SPRING 1998
- SPRING 2017
- SPRING 2019
- SPRING 2020
- SPRING 2021



SECTION B-B'

VICINITY MAP
(NOT TO SCALE)



KERN COUNTY WATER AGENCY

KERN FAN OPERATIONS REPORT

HYDROLOGIC PROFILE B-B'

NO.	BY	DATE	DESCRIPTION

PROJECT: KERN FAN OPS REPORT
FILE NAME: Profile B-B' 2021.dwg
DATE: 2022-08-09
DRAWN BY: M. ANDERSON
REVIEWED BY: M. ANDERSON
APPROVED BY: M. ANDERSON

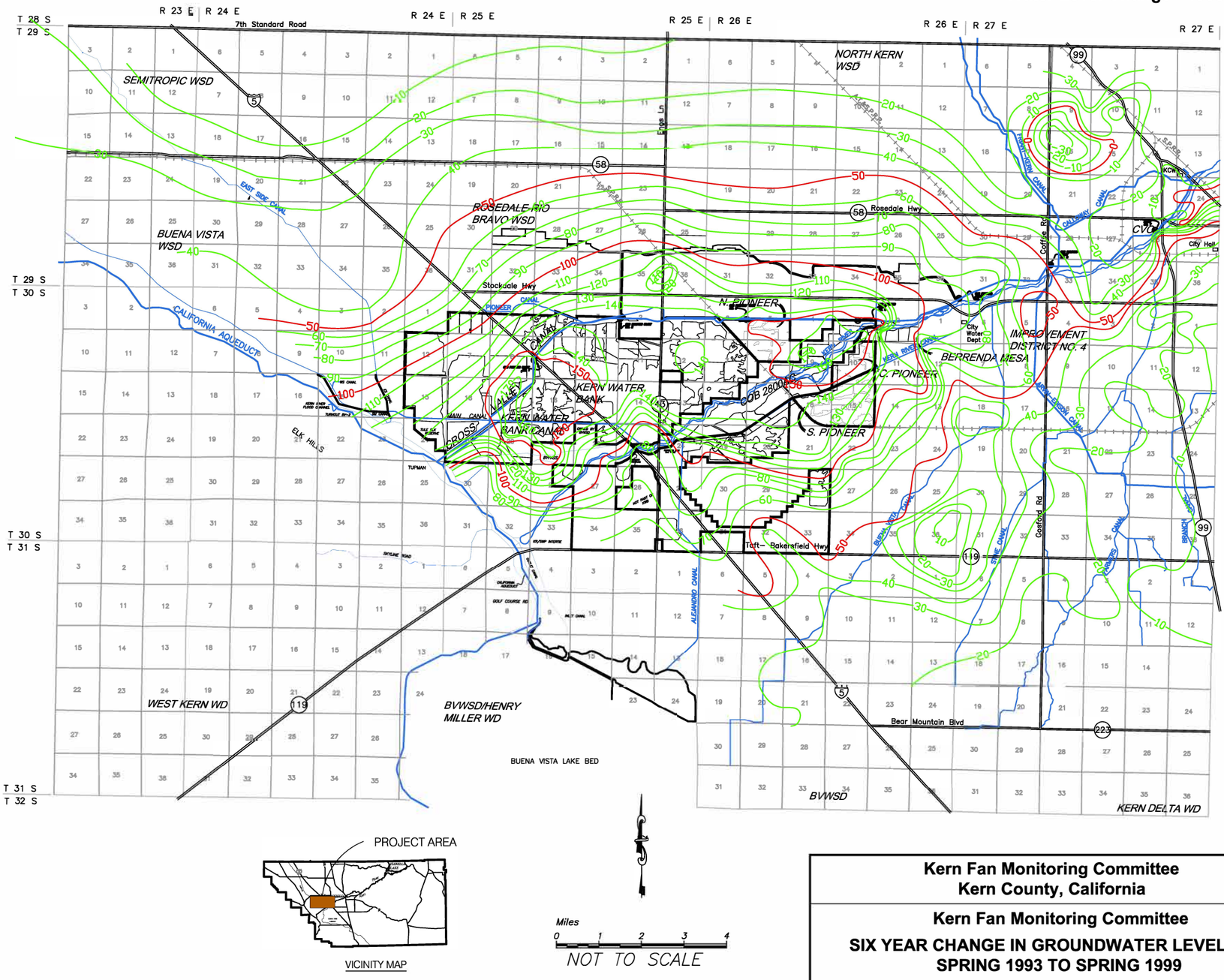
N

SCALE: AS SHOWN

FIGURE 1-2

Plate 1-7-1993/1999

Water Level Change - 1993 to 1999



Kern Fan Monitoring Committee
Kern County, California

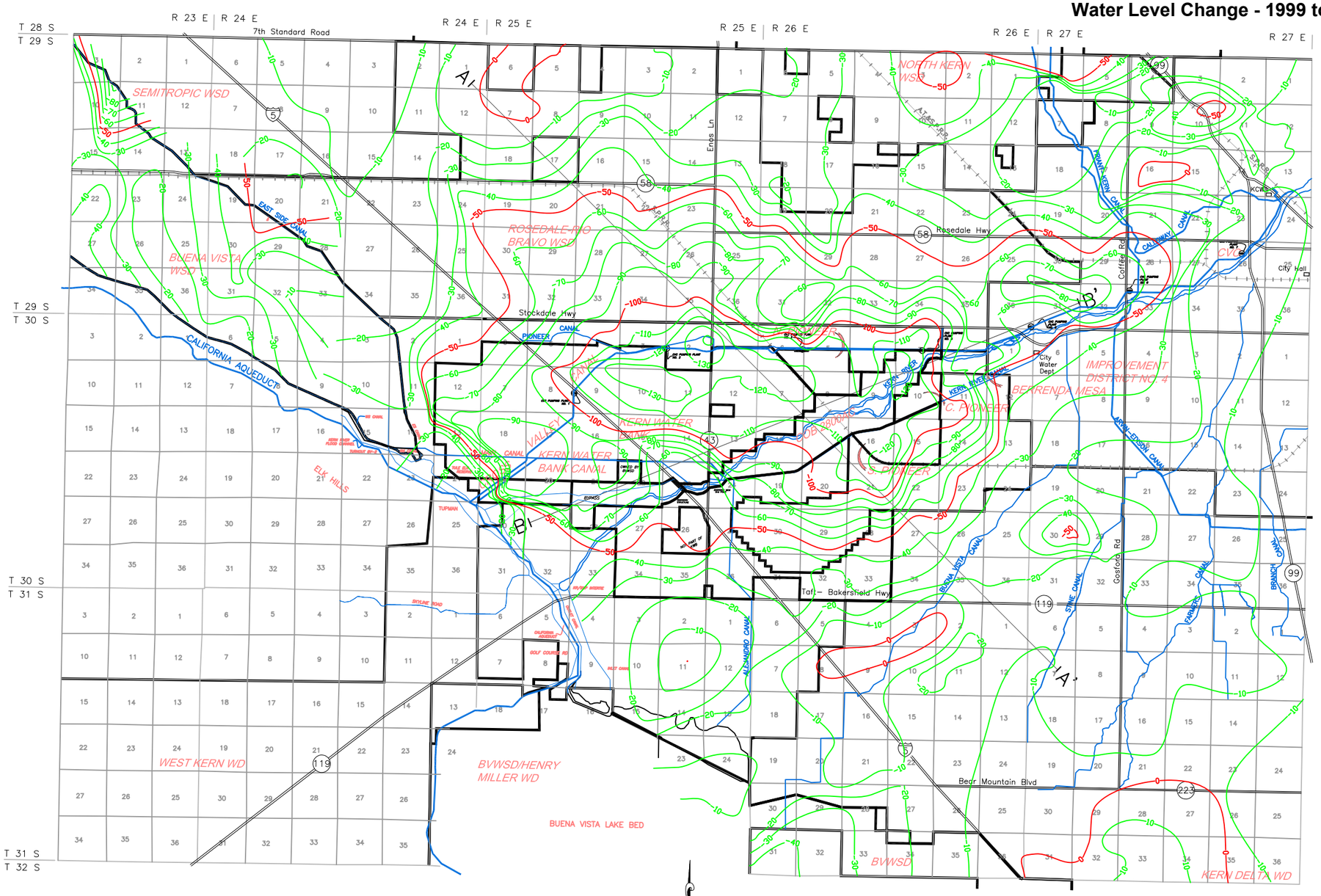
Kern Fan Monitoring Committee

SIX YEAR CHANGE IN GROUNDWATER LEVELS
SPRING 1993 TO SPRING 1999

D. SPENCER / T. HASLEBACHER — AUGUST, 1999

Plate 1-7-1999/2005

Water Level Change - 1999 to 2005



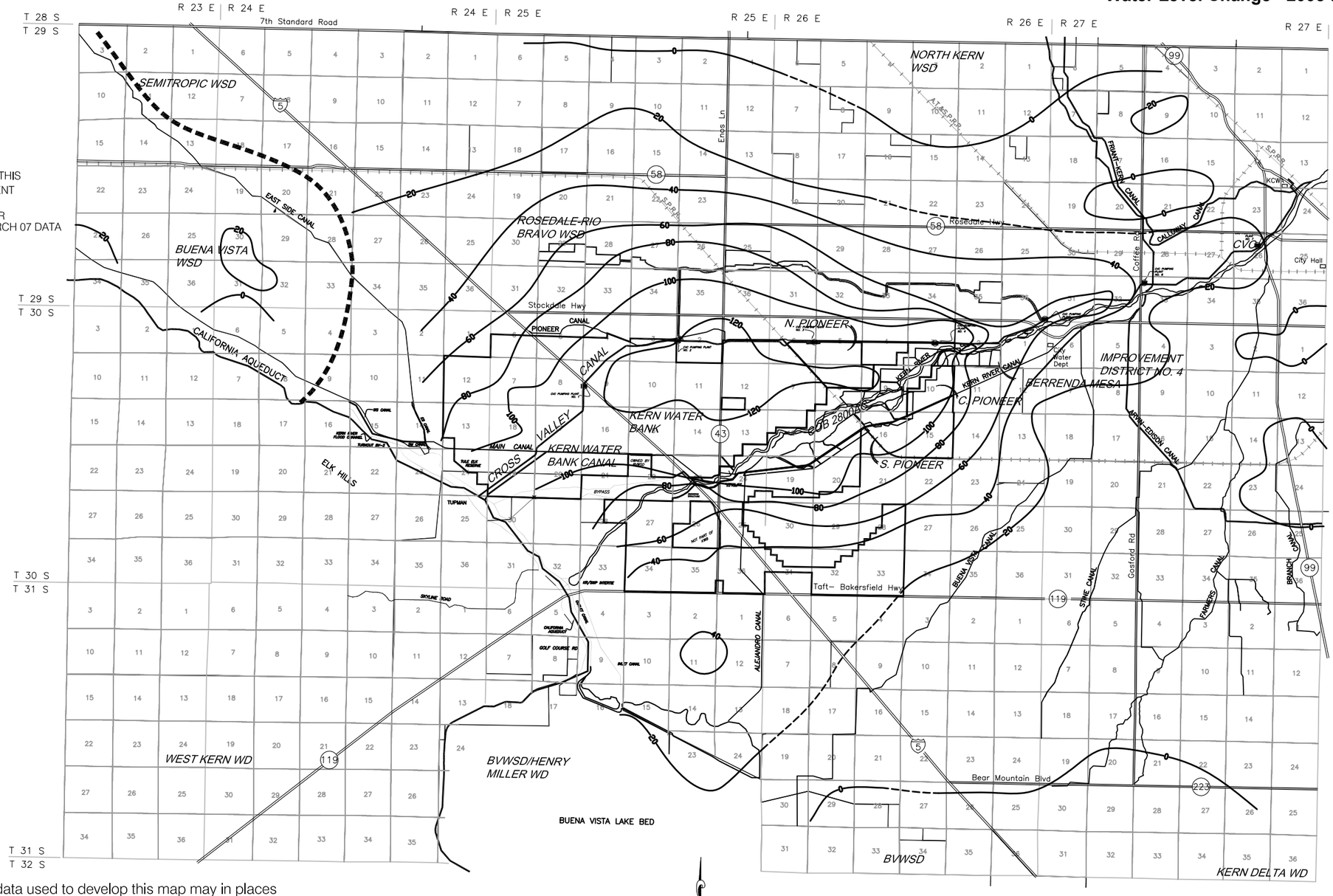
Kern Fan Monitoring Committee
Kern County, California

GROUNDWATER ELEVATION CHANGE
SPRING 1999 - SPRING 2005

K.D. SCHMIDT (revised contours)
M. CASTERLINE

December, 2007

Plate 1-7-2005/2007
Water Level Change - 2005 to 2007



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.

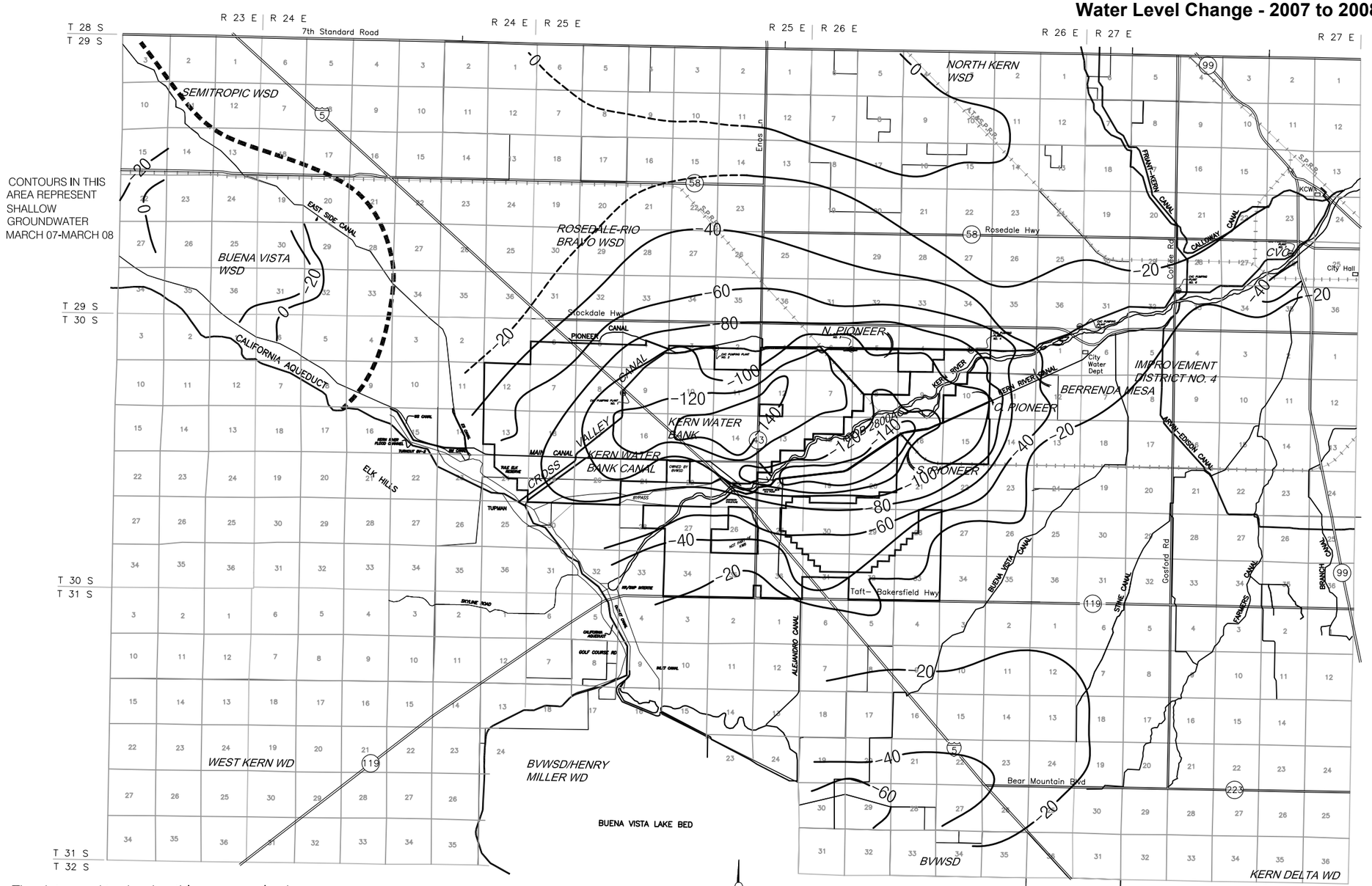
Kern Fan Monitoring Committee
Kern County, California

CHANGE IN POTENTIOMETRIC SURFACE
MIDDLE ZONE
SPRING 2005-SPRING 2007

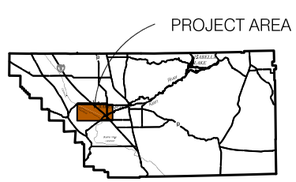
K.D. SCHMIDT (hand contoured)

July , 2009

Plate 1-7-2007/2008
Water Level Change - 2007 to 2008



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

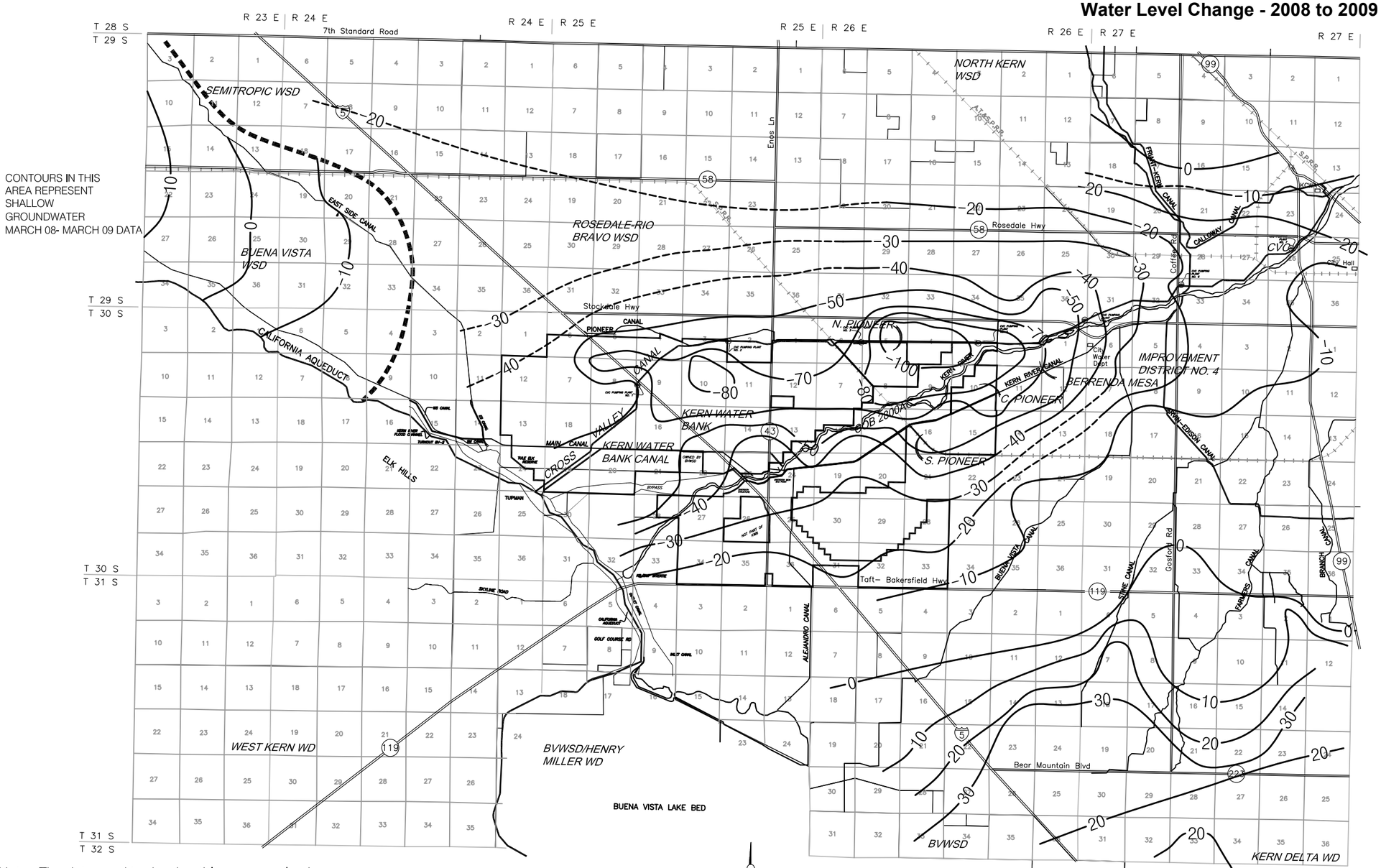
Kern Fan Monitoring Committee
Kern County, California

CHANGE IN POTENTIOMETRIC SURFACE ELEVATION
Middle Zone
SPRING 2007-SPRING 2008

K.D. SCHMIDT (hand contoured)

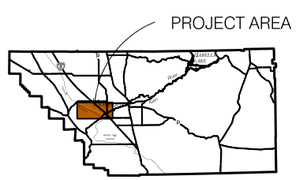
July , 2009

Plate 1-7-2008/2009
Water Level Change - 2008 to 2009



CONTOURS IN THIS AREA REPRESENT SHALLOW GROUNDWATER MARCH 08- MARCH 09 DATA

Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

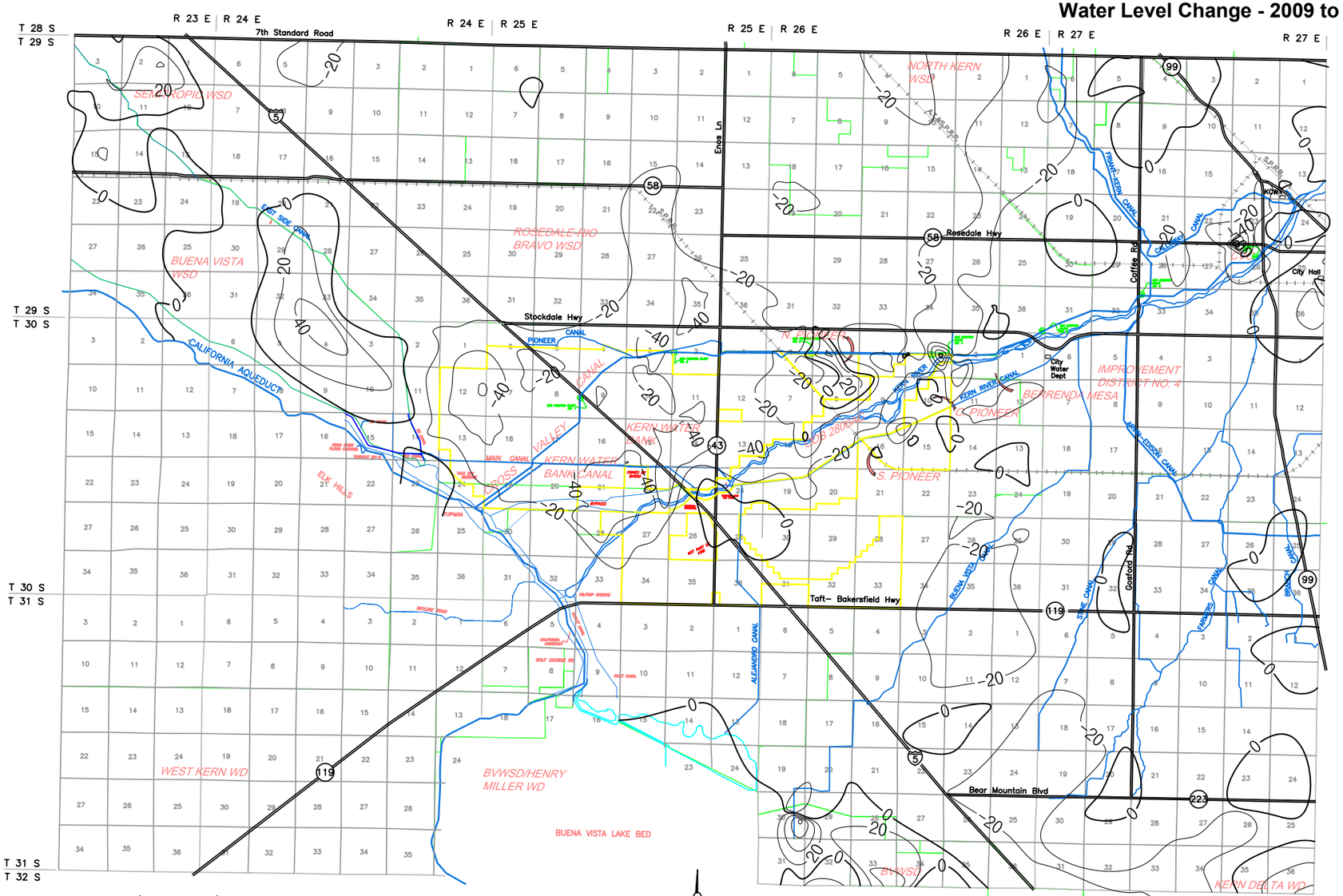
CHANGE IN POTENTIOMETRIC SURFACE ELEVATION
Middle Zone
SPRING 2008-SPRING 2009

K.D. SCHMIDT (hand contoured)

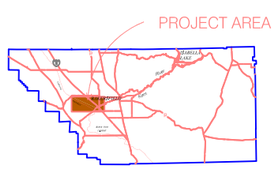
July , 2009

Plate 1-7-2009/2010

Water Level Change - 2009 to 2010



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

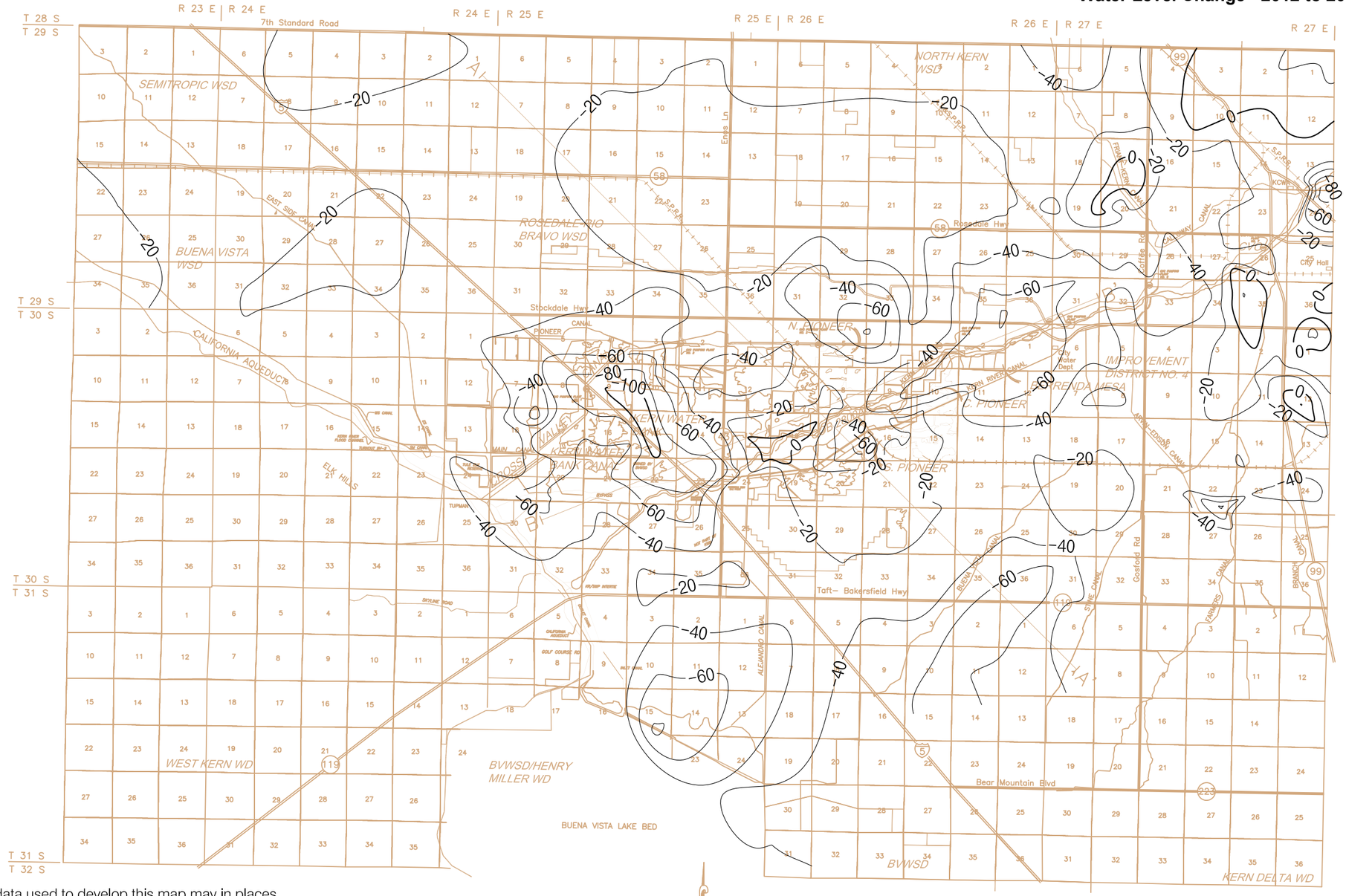
Kern Fan Monitoring Committee
Kern County, California

CHANGE IN POTENTIOMETRIC SURFACE ELEVATION
Middle Zone
SPRING 2009-SPRING 2010

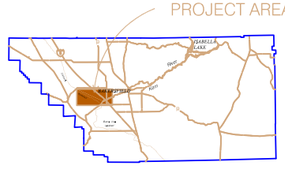
Michelle Anderson PG #8898

September 2015

Plate 1-7-2012/2015
Water Level Change - 2012 to 2015



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



Miles
0 1 2 3 4

Contour Interval=20 feet

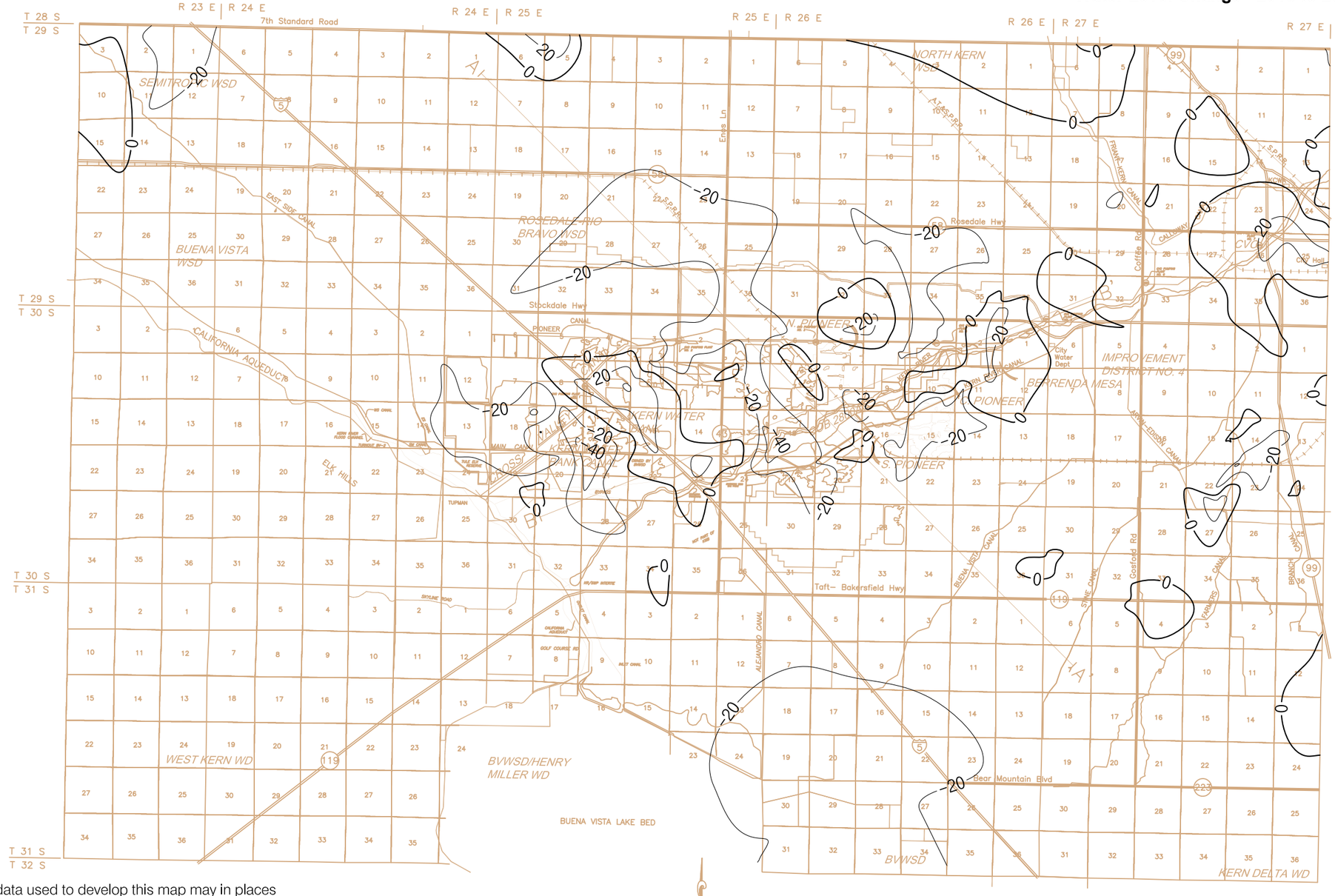
Kern Fan Monitoring Committee
Kern County, California

CHANGE IN POTENTIOMETRIC SURFACE ELEVATION
Middle Zone
SPRING 2012-SPRING 2015

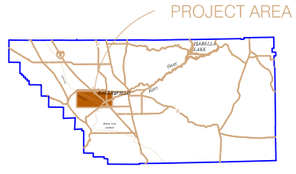
Michelle Anderson PG #8898

September 10, 2015

Plate 1-7-2015/2016
Water Level Change - 2015 to 2016



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

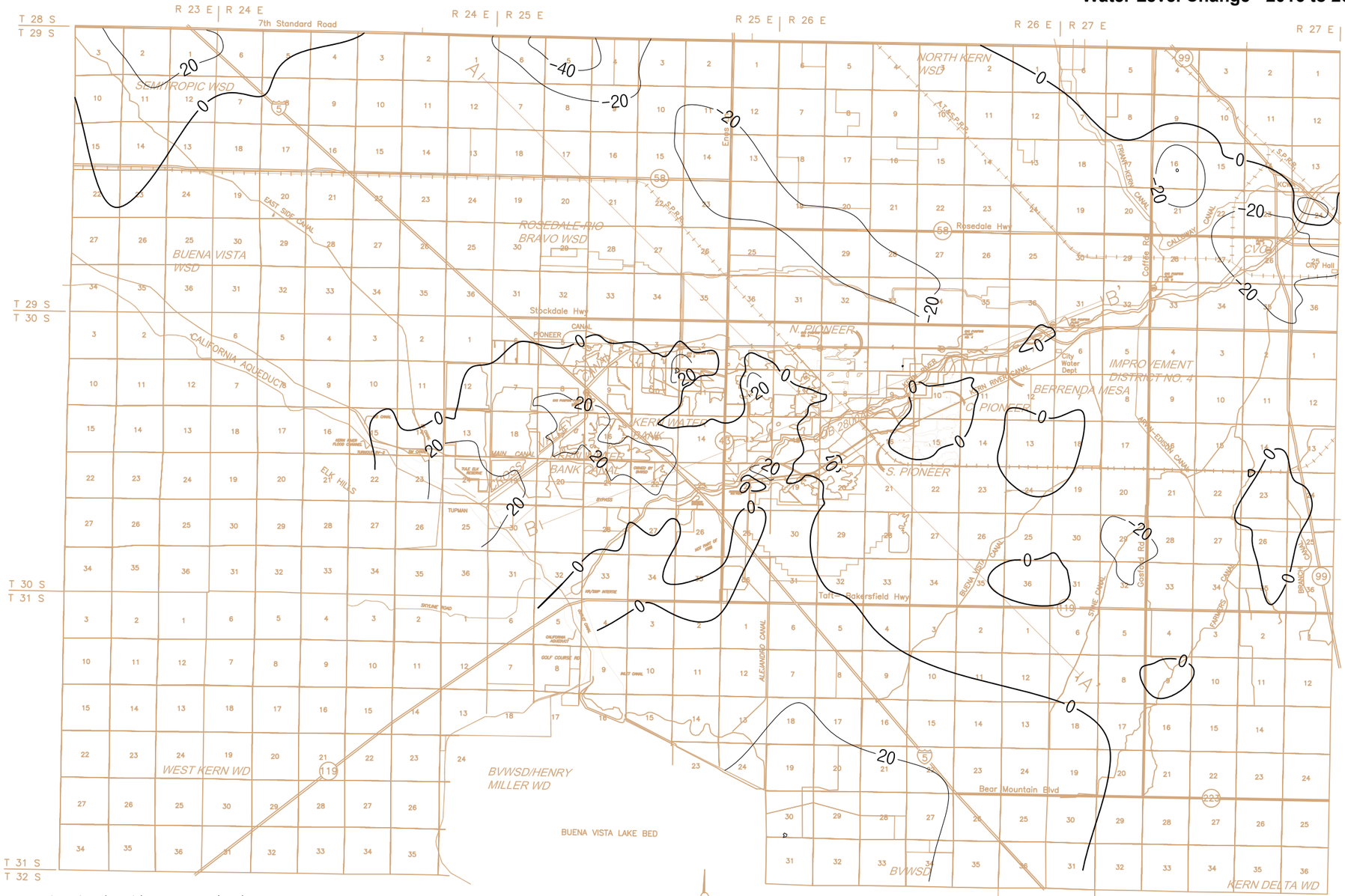
Kern Fan Monitoring Committee
Kern County, California

CHANGE IN POTENTIOMETRIC SURFACE ELEVATION
Middle Zone
SPRING 2015-SPRING 2016

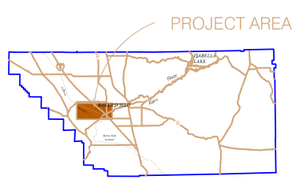
Michelle Anderson PG #8898

July 27, 2016

Plate 1-7-2016/2017
Water Level Change - 2016 to 2017



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

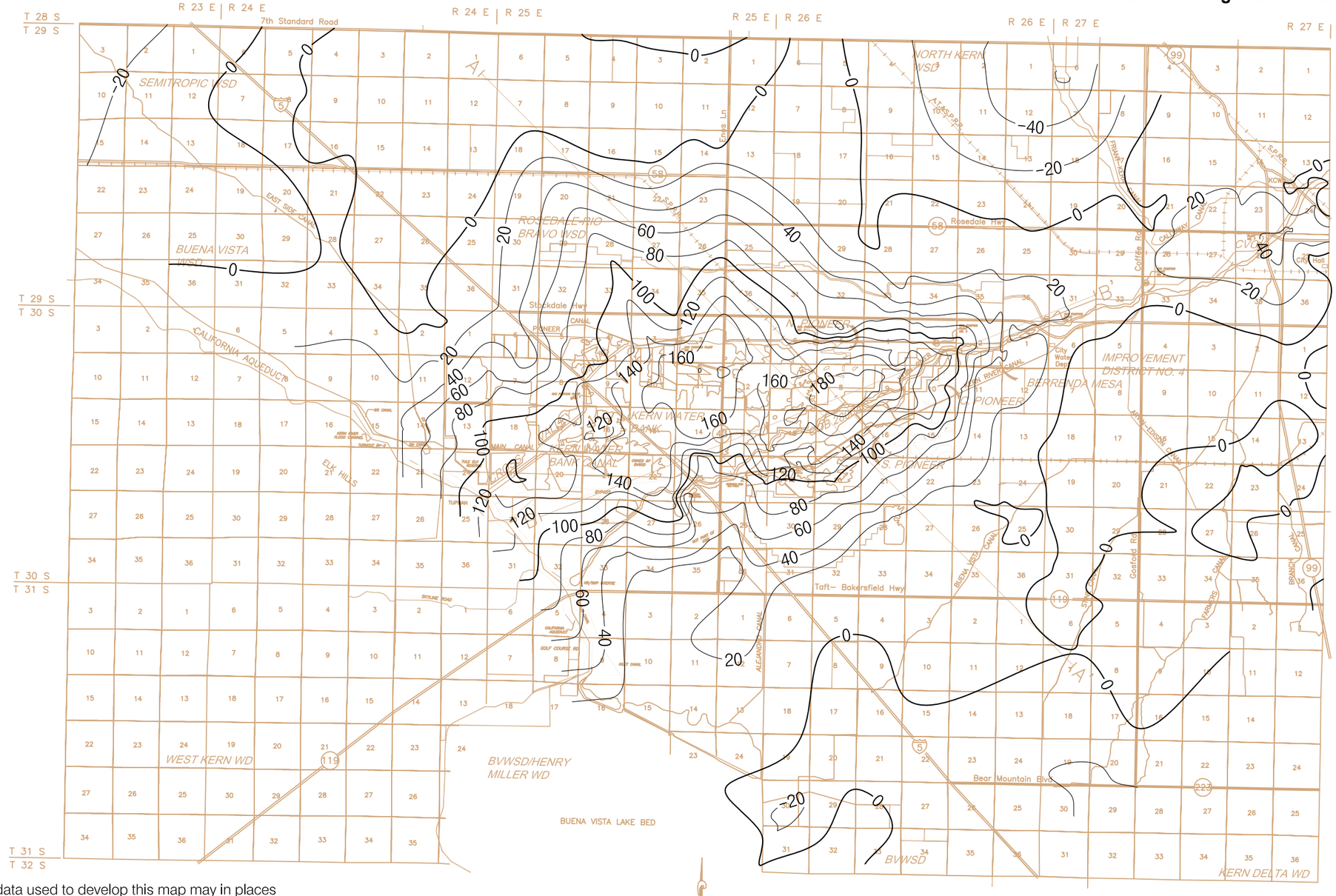
Kern Fan Monitoring Committee
Kern County, California

CHANGE IN POTENTIOMETRIC SURFACE ELEVATION
Middle Zone
SPRING 2016-SPRING 2017

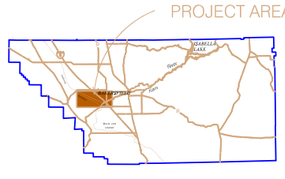
Michelle Anderson PG #8898

July 11, 2017

Plate 1-7-2017/2018
Water Level Change - 2017 to 2018



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

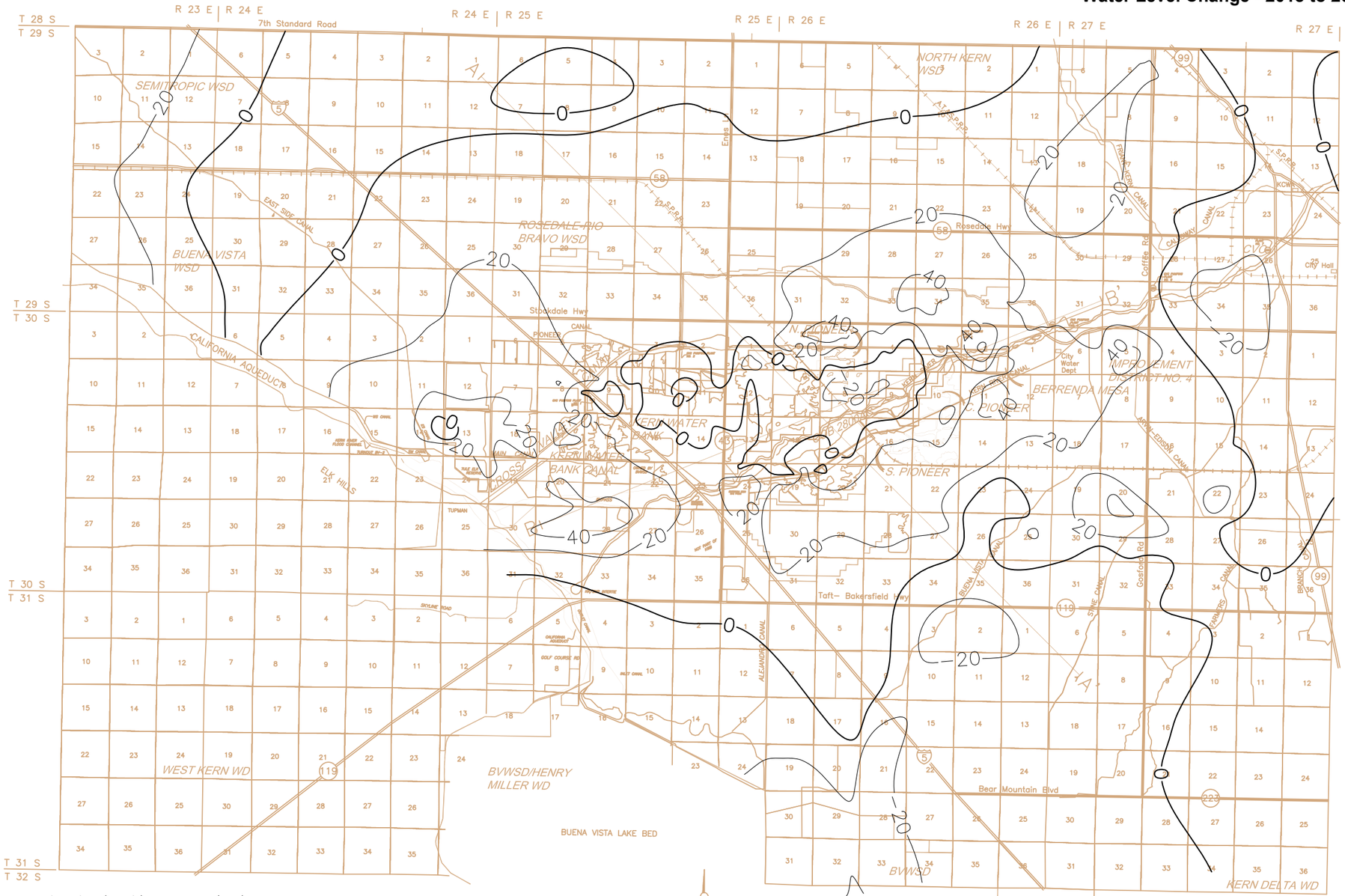
Kern Fan Monitoring Committee
Kern County, California

CHANGE IN POTENTIOMETRIC SURFACE ELEVATION
Middle Zone
SPRING 2017-SPRING 2018

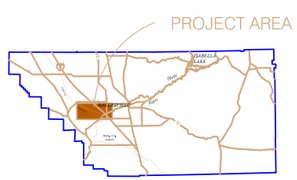
Michelle Anderson PG #8898

Sept. 12, 2018

Plate 1-7-2018/2019
Water Level Change - 2018 to 2019



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



VICINITY MAP

Miles
0 1 2 3 4

Contour Interval=20 feet

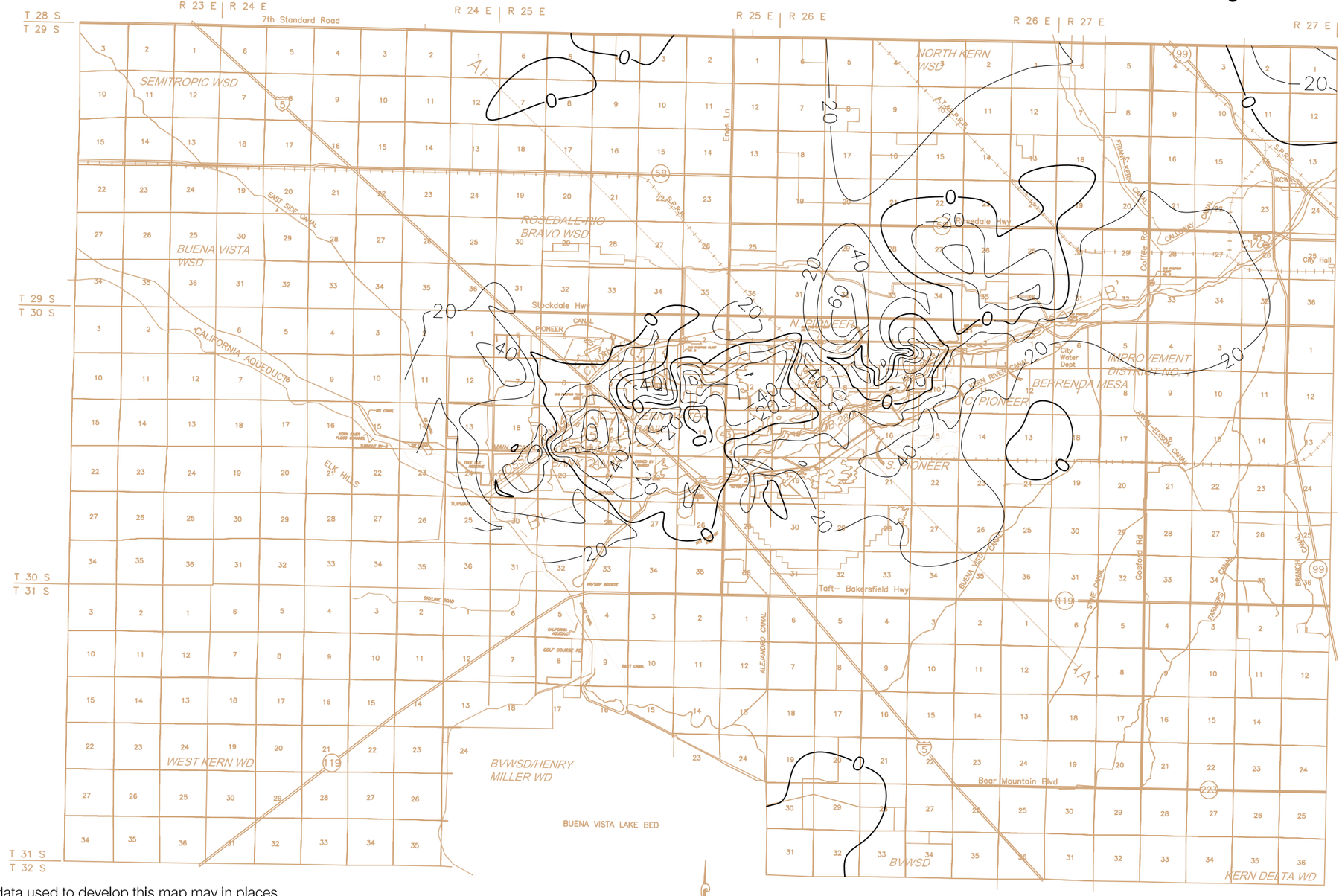
Kern Fan Monitoring Committee
Kern County, California

CHANGE IN POTENTIOMETRIC SURFACE ELEVATION
Middle Zone
SPRING 2018-SPRING 2019

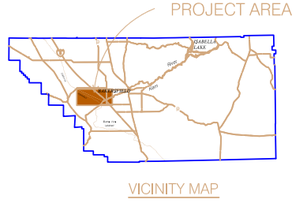
Michelle Anderson PG #8898

July 7, 2020

Plate 1-7-2019/2020
Water Level Change - 2019 to 2020



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



Miles
0 1 2 3 4

Contour Interval=20 feet

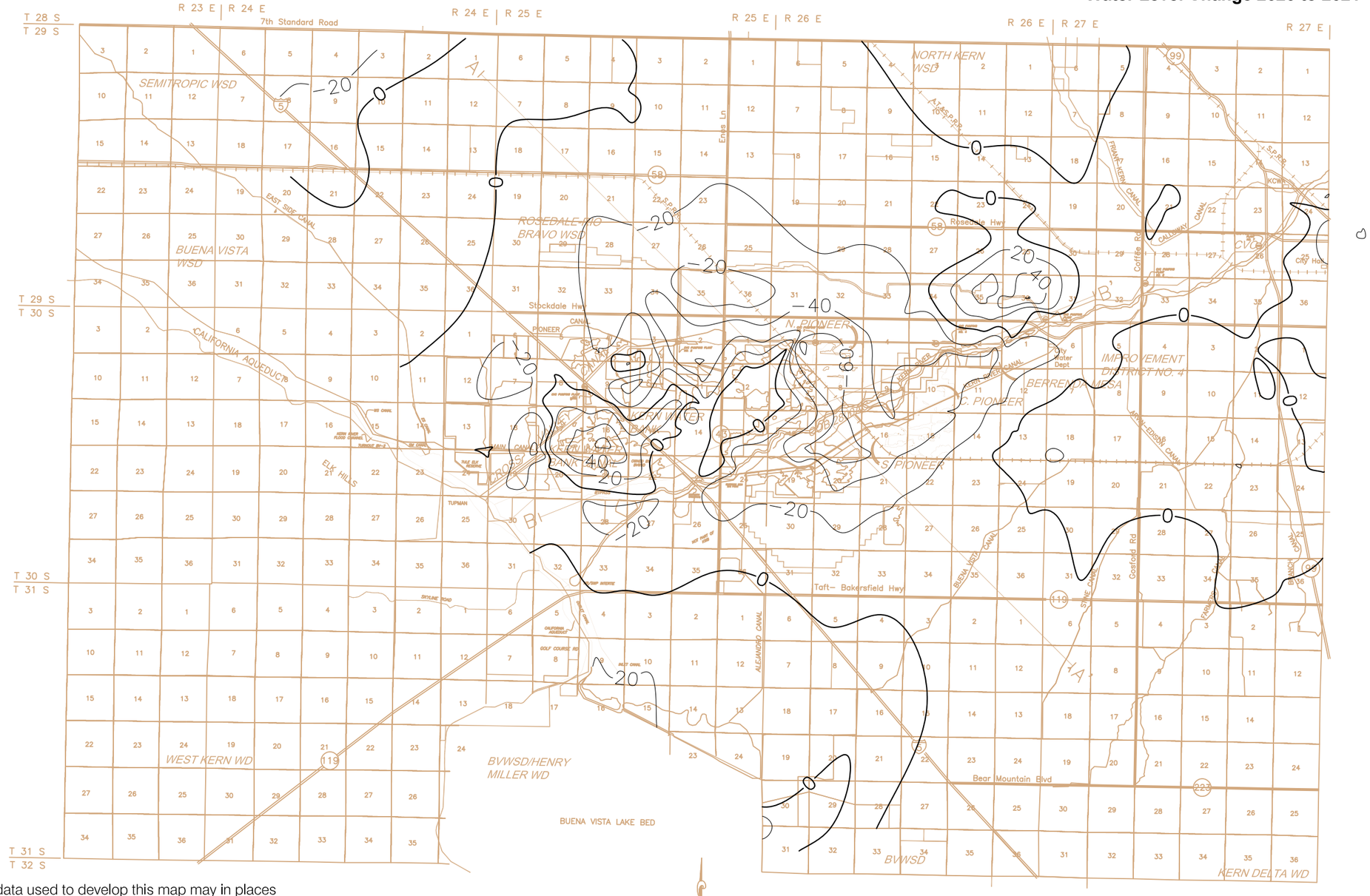
Kern Fan Monitoring Committee
Kern County, California

CHANGE IN POTENTIOMETRIC SURFACE ELEVATION
Middle Zone
SPRING 2019-SPRING 2020

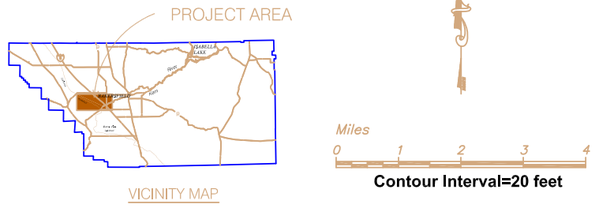
Michelle Anderson PG #8898

July 25, 2020

Plate 1-7-2020/2021
Water Level Change 2020 to 2021



Note: The data used to develop this map may in places represent the water table in the shallower unconfined portion of the aquifer or may represent head (pressure levels) in the deeper semi-confined portion of the aquifer. When and where head in the semi-confined portion of the aquifer is represented, these values are typically lower (i.e deeper) than the actual water table level in the aquifer. This is especially the case after significant recharge events or when nearby wells are pumping.



Miles
0 1 2 3 4

Contour Interval=20 feet

Kern Fan Monitoring Committee
Kern County, California

CHANGE IN POTENTIOMETRIC SURFACE ELEVATION
Middle Zone
SPRING 2020-SPRING 2021

Michelle Anderson PG #8898

Jan 2022

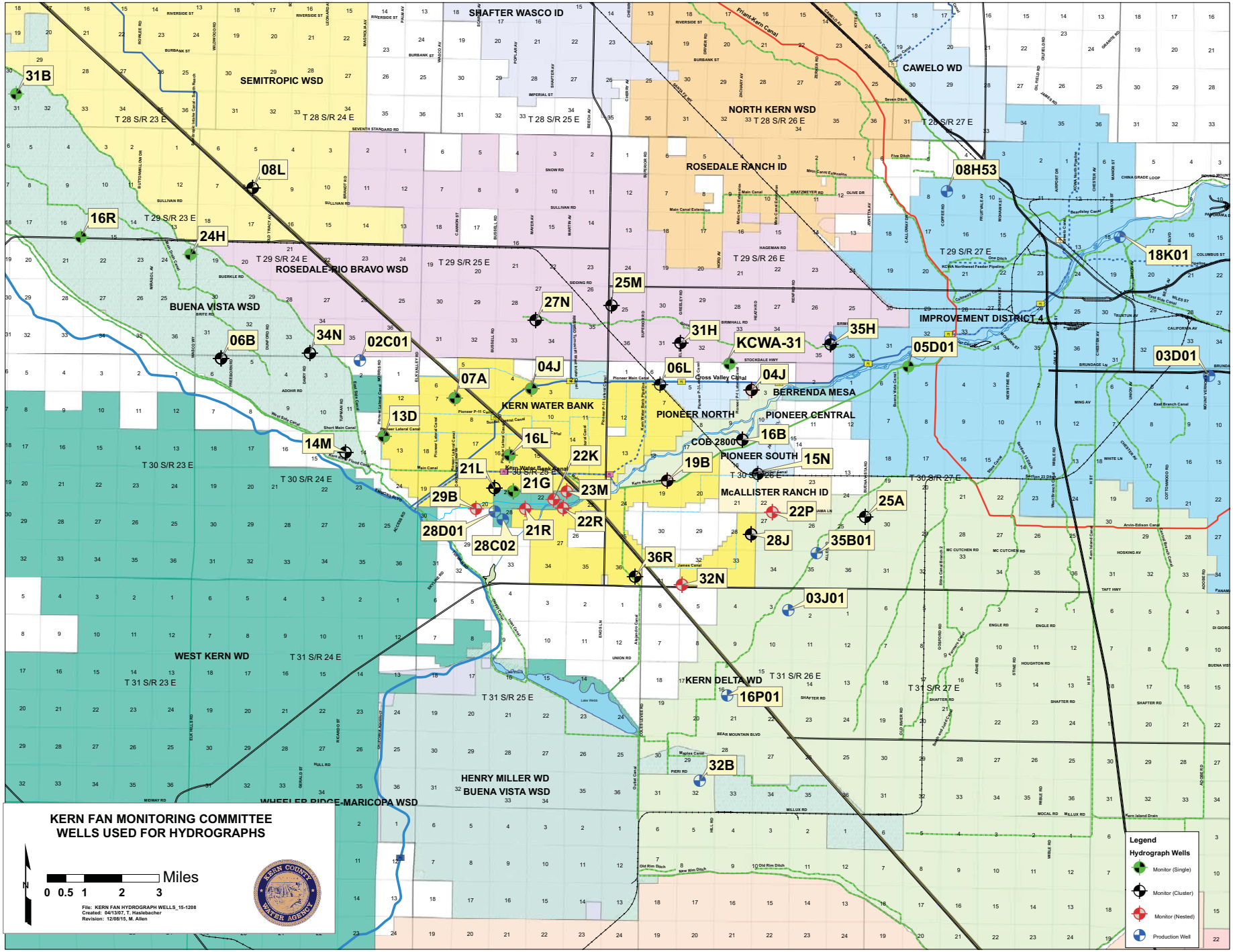

SHAFTER WASCO ID
SEMITROPIC WSD
CAWELO WD
NORTH KERN WSD
ROSEDALE RANCH ID
ROSEDALE-RIO BRAVO WSD
BUENA VISTA WSD
IMPROVEMENT DISTRICT 4
KERN WATER BANK
PIONEER NORTH
PIONEER CENTRAL
BERRENDA MESA
COB 2800
PIONEER SOUTH
McALLISTER RANCH ID
WEST KERN WD
KERN DELTA WD
HENRY MILLER WD
BUENA VISTA WSD
WHEELER RIDGE-MARICOPA WSD
T 28 S/R 23 E
T 28 S/R 24 E
T 28 S/R 25 E
T 28 S/R 26 E
T 28 S/R 27 E
T 29 S/R 23 E
T 29 S/R 24 E
T 29 S/R 25 E
T 29 S/R 26 E
T 29 S/R 27 E
T 30 S/R 23 E
T 30 S/R 24 E
T 30 S/R 25 E
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T 31 S/R 25 E
T 31 S/R 26 E
T 31 S/R 27 E
31B
08L
16R
24H
06B
34N
02C01
27N
25M
31H
KCWA-31
35H
08H53
18K01
05D01
03D01
04J
07A
06L
04J
13D
16L
14M
22K
21L
21G
23M
19B
15N
16B
29B
22P
25A
22R
21R
28D01
28C02
28J
35B01
36R
32N
03J01
16P01
32B
KERN FAN MONITORING COMMITTEE
WELLS USED FOR HYDROGRAPHS
Miles
0 0.5 1 2 3
File: KERN FAN HYDROGRAPH WELLS_15-1208
Created: 04/13/07, T. Haslebacher
Revision: 12/08/15, M. Allen
KERN COUNTY WATER AGENCY
Legend
Hydrograph Wells
Monitor (Single)
Monitor (Cluster)
Monitor (Nested)
Production Well

Figure 1-3-1

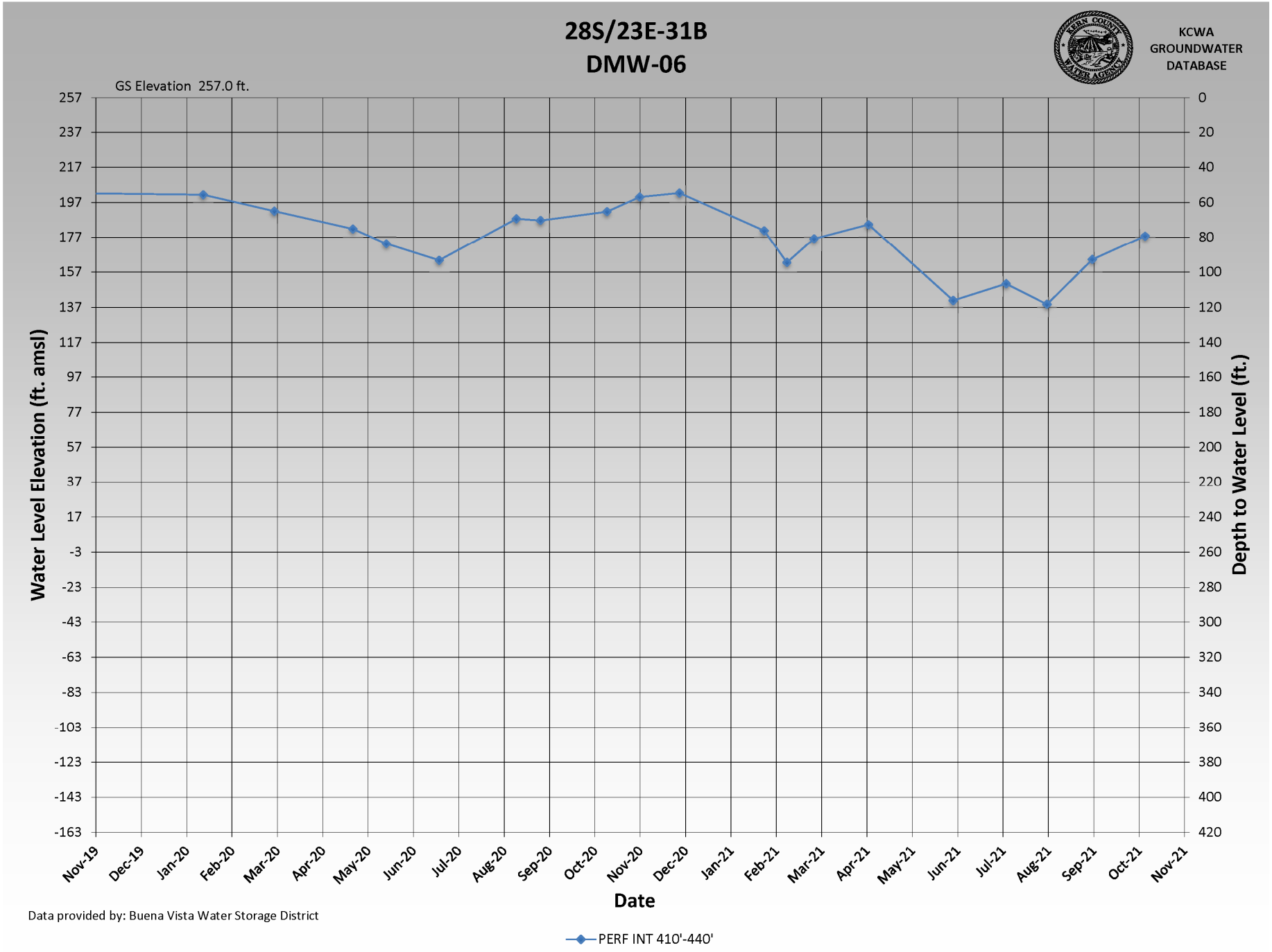

28S/23E-31B
DMW-06
KCWA
GROUNDWATER
DATABASE
GS Elevation 257.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
257
237
217
197
177
157
137
117
97
77
57
37
17
-3
-23
-43
-63
-83
-103
-123
-143
-163
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Buena Vista Water Storage District
PERF INT 410'-440'

Figure 1-3-2

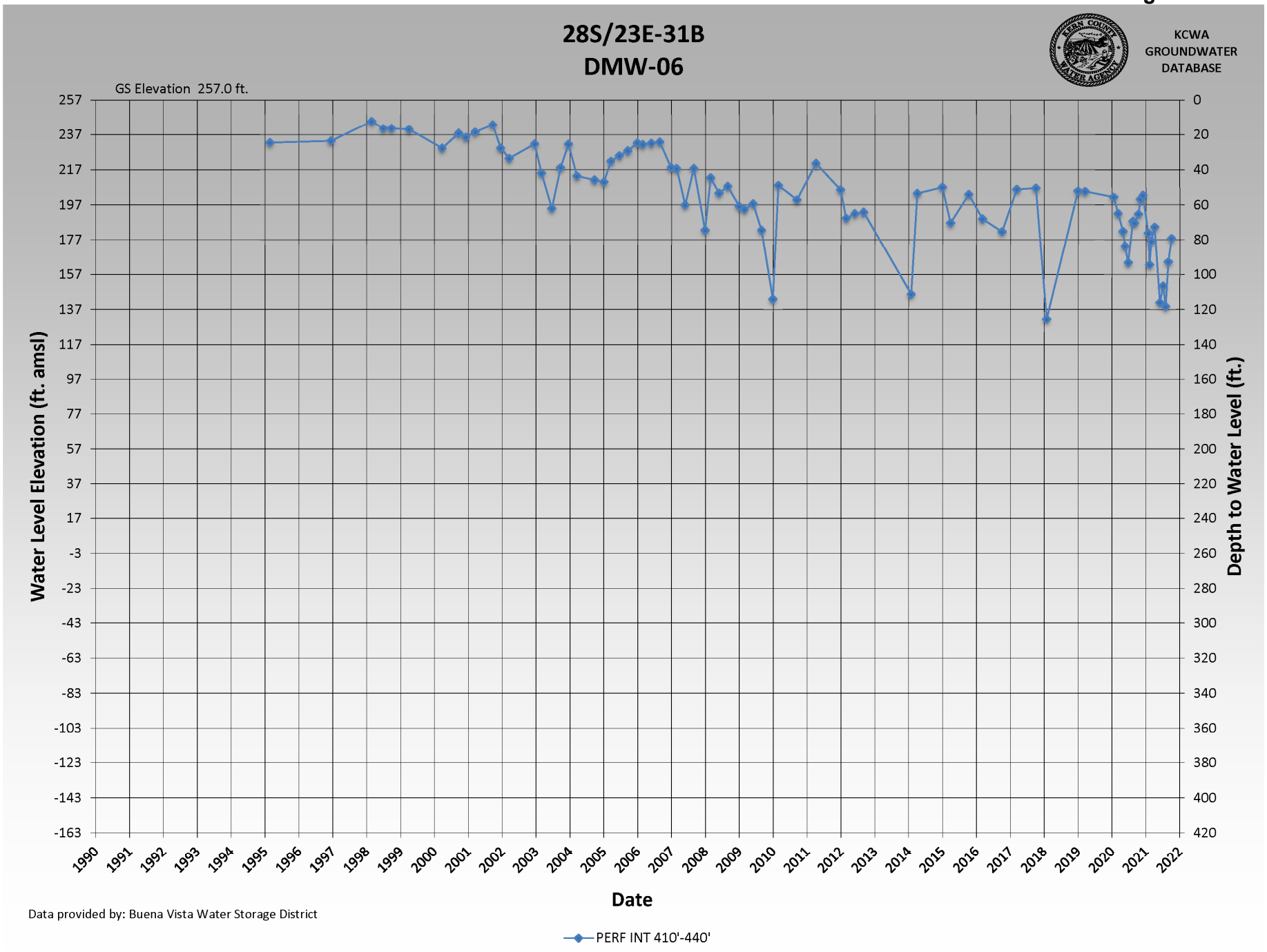

28S/23E-31B
DMW-06
KCWA
GROUNDWATER
DATABASE
GS Elevation 257.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
257
237
217
197
177
157
137
117
97
77
57
37
17
-3
-23
-43
-63
-83
-103
-123
-143
-163
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Buena Vista Water Storage District
PERF INT 410'-440'

Figure 1-3-3

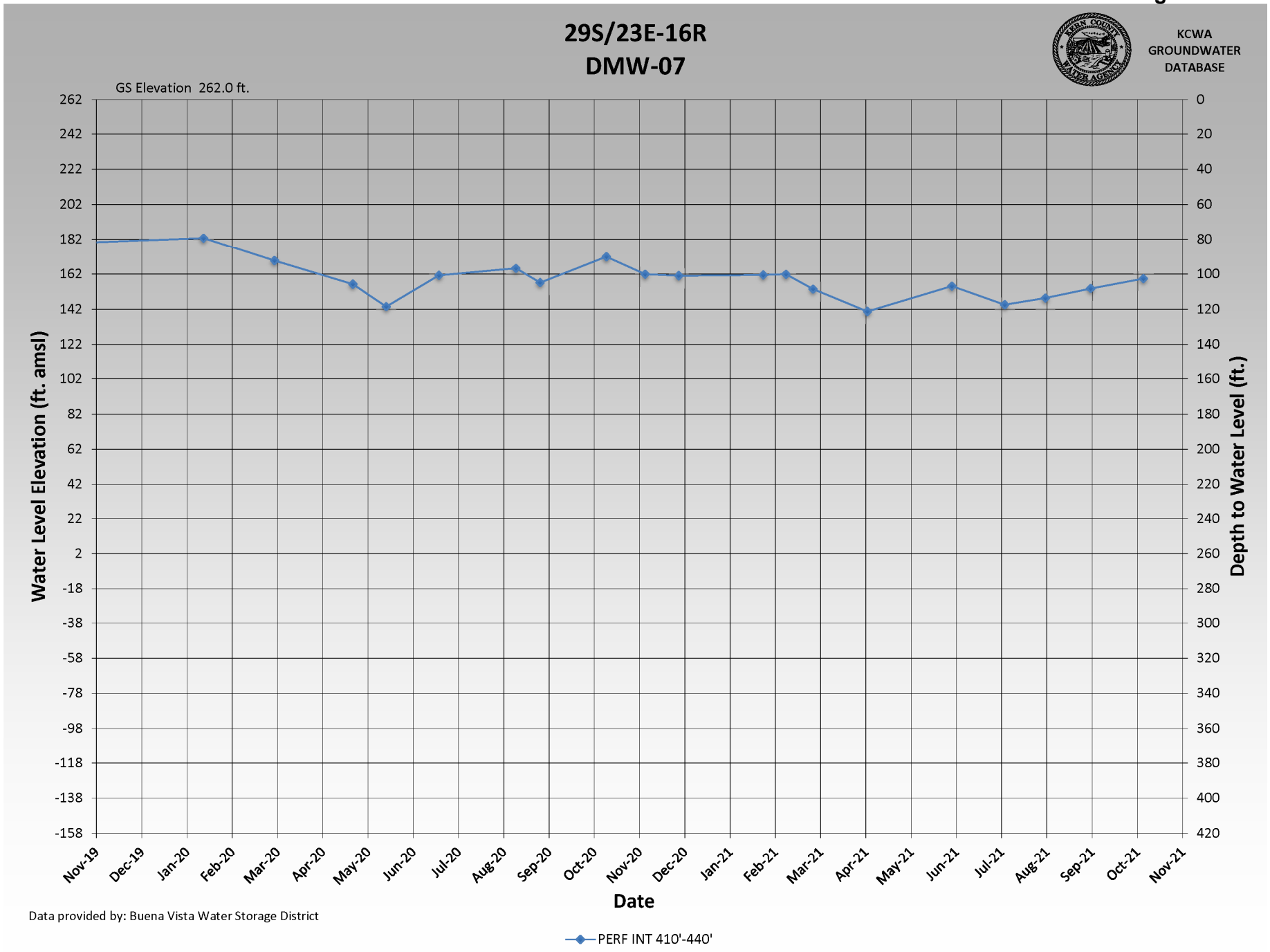

29S/23E-16R
DMW-07
KCWA
GROUNDWATER
DATABASE
GS Elevation 262.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
262
242
222
202
182
162
142
122
102
82
62
42
22
2
-18
-38
-58
-78
-98
-118
-138
-158
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Buena Vista Water Storage District
PERF INT 410'-440'

Figure 1-3-4

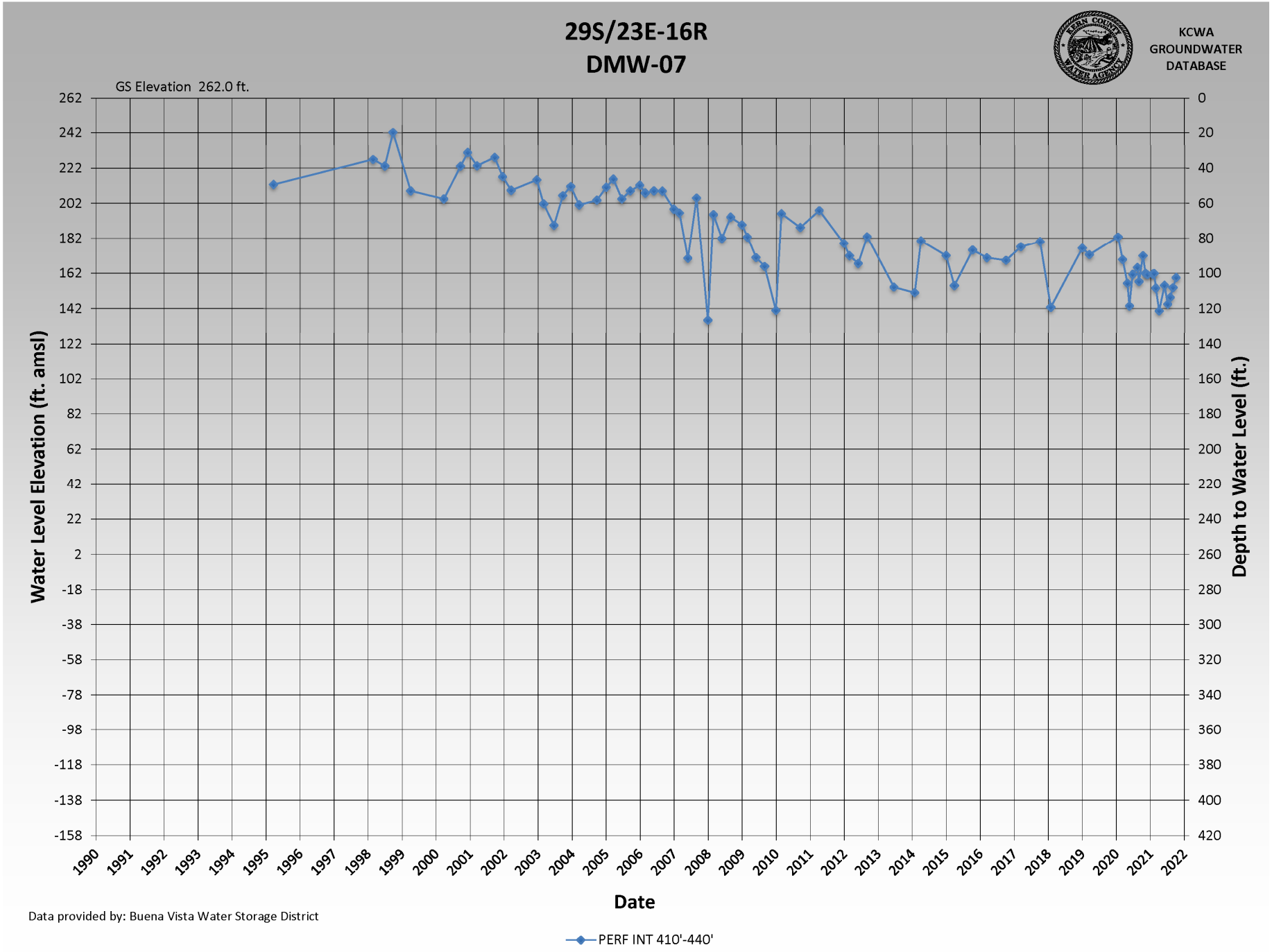

29S/23E-16R
DMW-07
KCWA
GROUNDWATER
DATABASE
GS Elevation 262.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
262
242
222
202
182
162
142
122
102
82
62
42
22
2
-18
-38
-58
-78
-98
-118
-138
-158
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Buena Vista Water Storage District
PERF INT 410'-440'

Figure 1-3-5

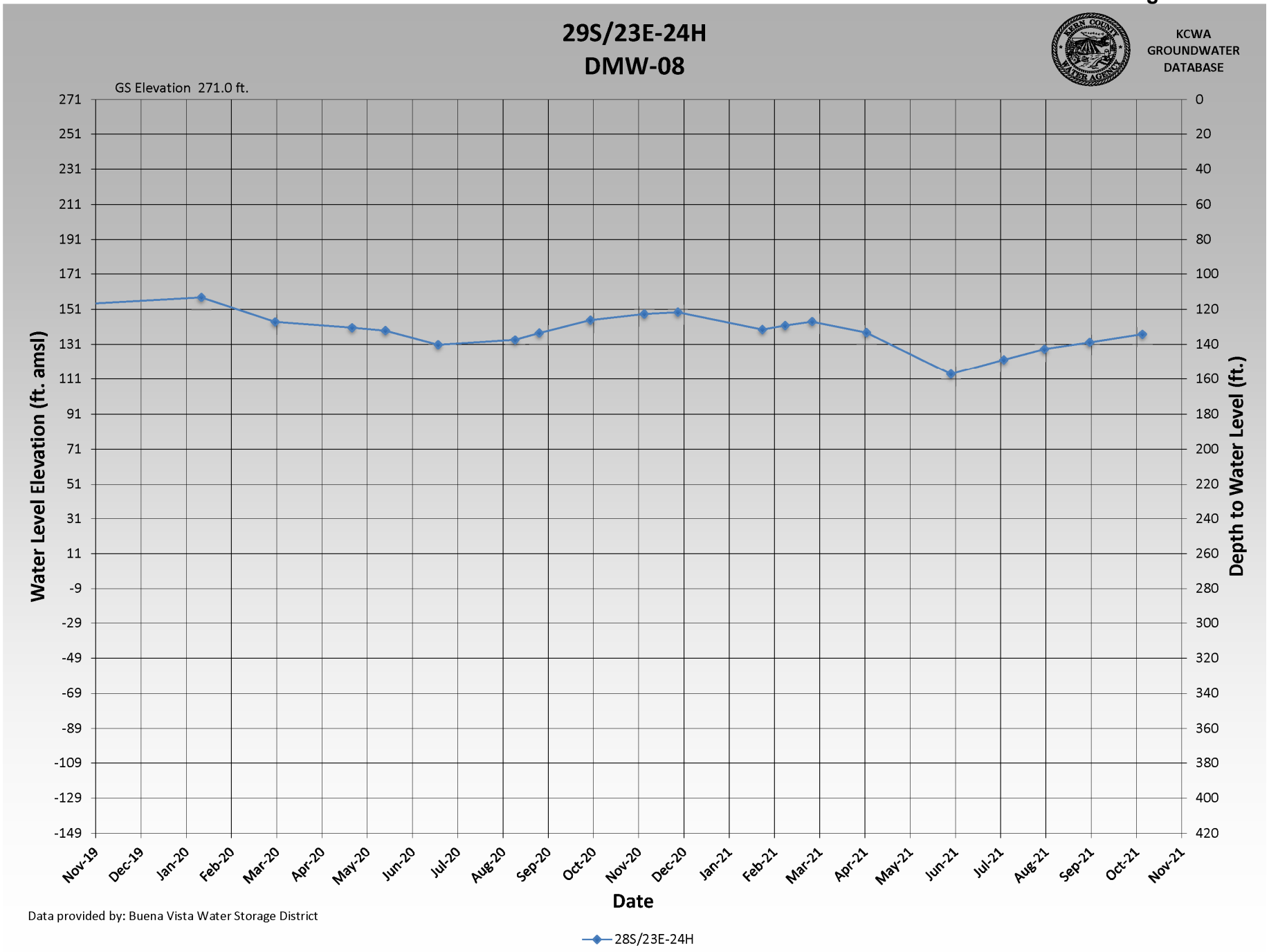

29S/23E-24H
DMW-08
KCWA
GROUNDWATER
DATABASE
GS Elevation 271.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
271
251
231
211
191
171
151
131
111
91
71
51
31
11
-9
-29
-49
-69
-89
-109
-129
-149
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Buena Vista Water Storage District
28S/23E-24H

Figure 1-3-6

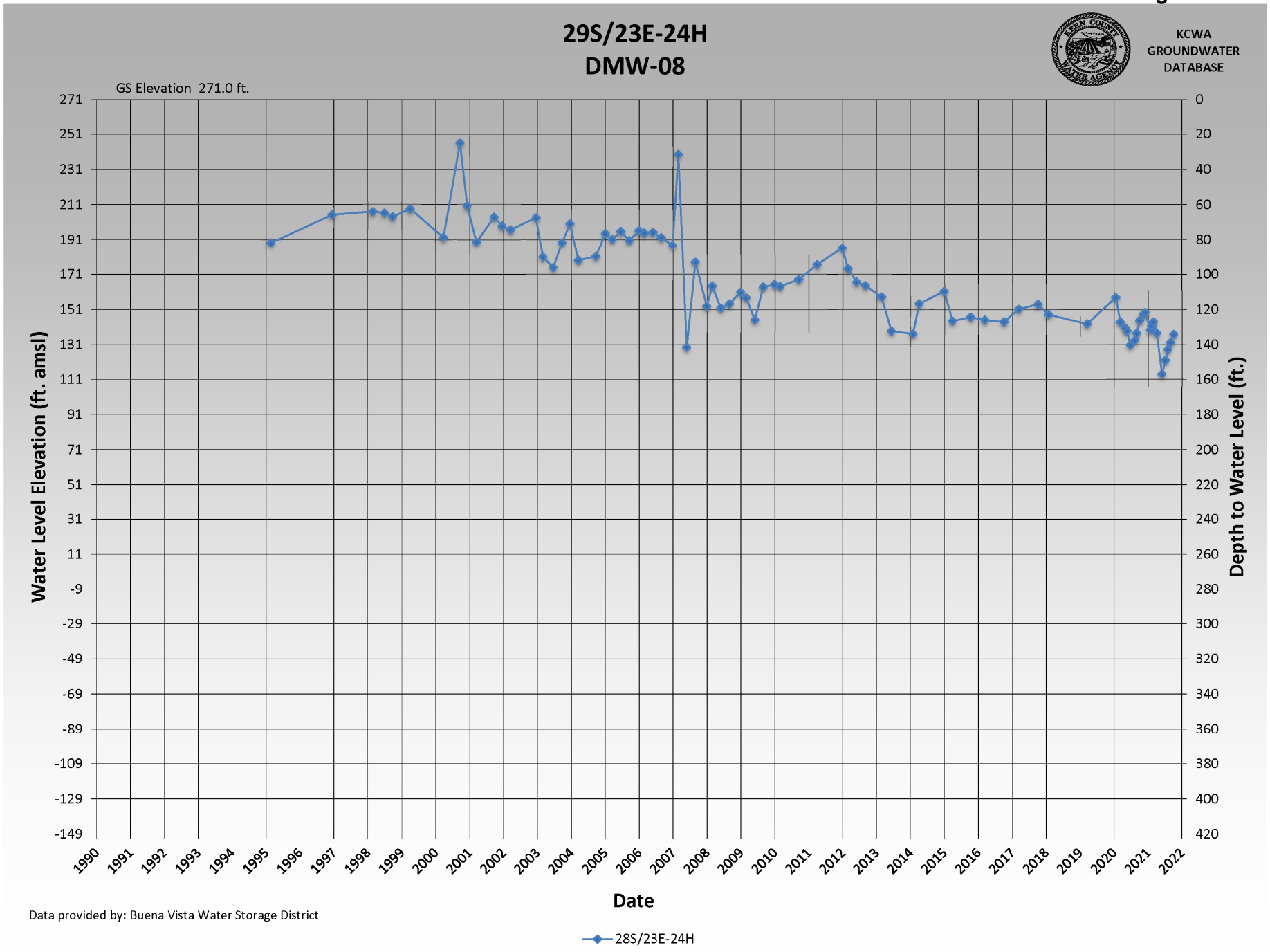

29S/23E-24H
DMW-08
KCWA
GROUNDWATER
DATABASE
GS Elevation 271.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
271
251
231
211
191
171
151
131
111
91
71
51
31
11
-9
-29
-49
-69
-89
-109
-129
-149
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
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2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Buena Vista Water Storage District
28S/23E-24H

Figure 1-3-7

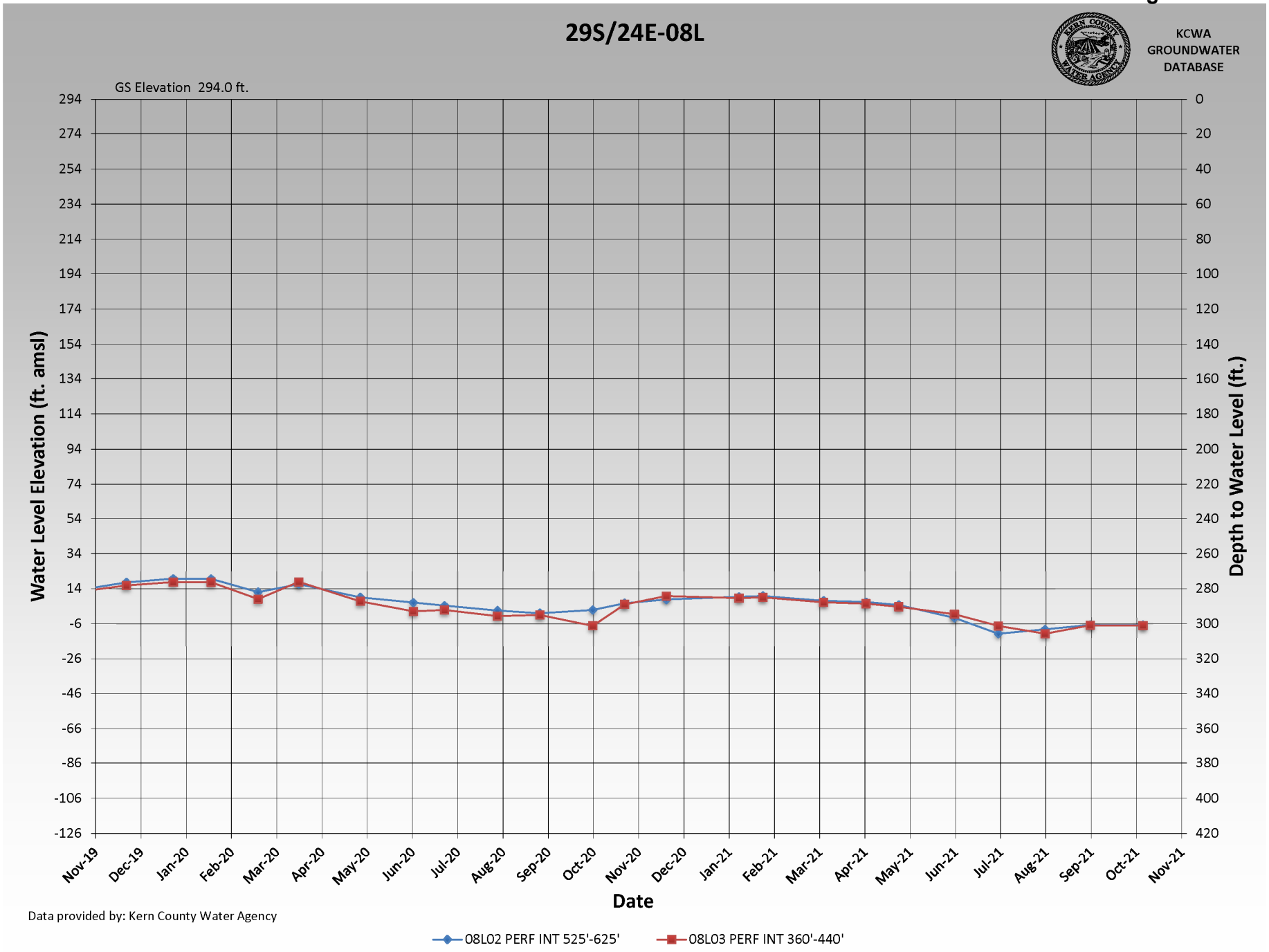

29S/24E-08L
KCWA GROUNDWATER DATABASE
GS Elevation 294.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
294
274
254
234
214
194
174
154
134
114
94
74
54
34
14
-6
-26
-46
-66
-86
-106
-126
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Kern County Water Agency
08L02 PERF INT 525'-625'
08L03 PERF INT 360'-440'

Figure 1-3-8

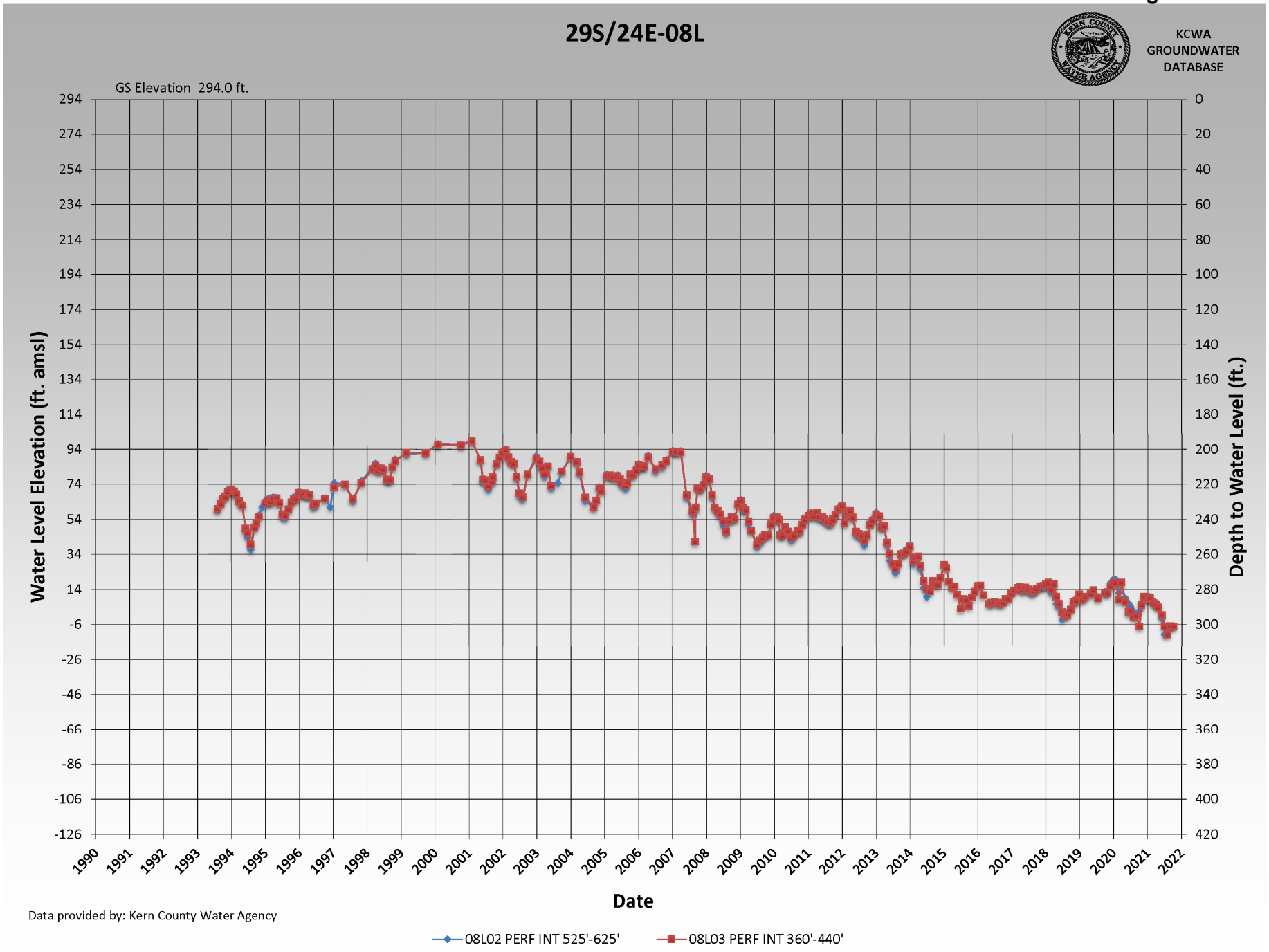

29S/24E-08L
KCWA GROUNDWATER DATABASE
GS Elevation 294.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
294
274
254
234
214
194
174
154
134
114
94
74
54
34
14
-6
-26
-46
-66
-86
-106
-126
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
08L02 PERF INT 525'-625'
08L03 PERF INT 360'-440'

Figure 1-3-9

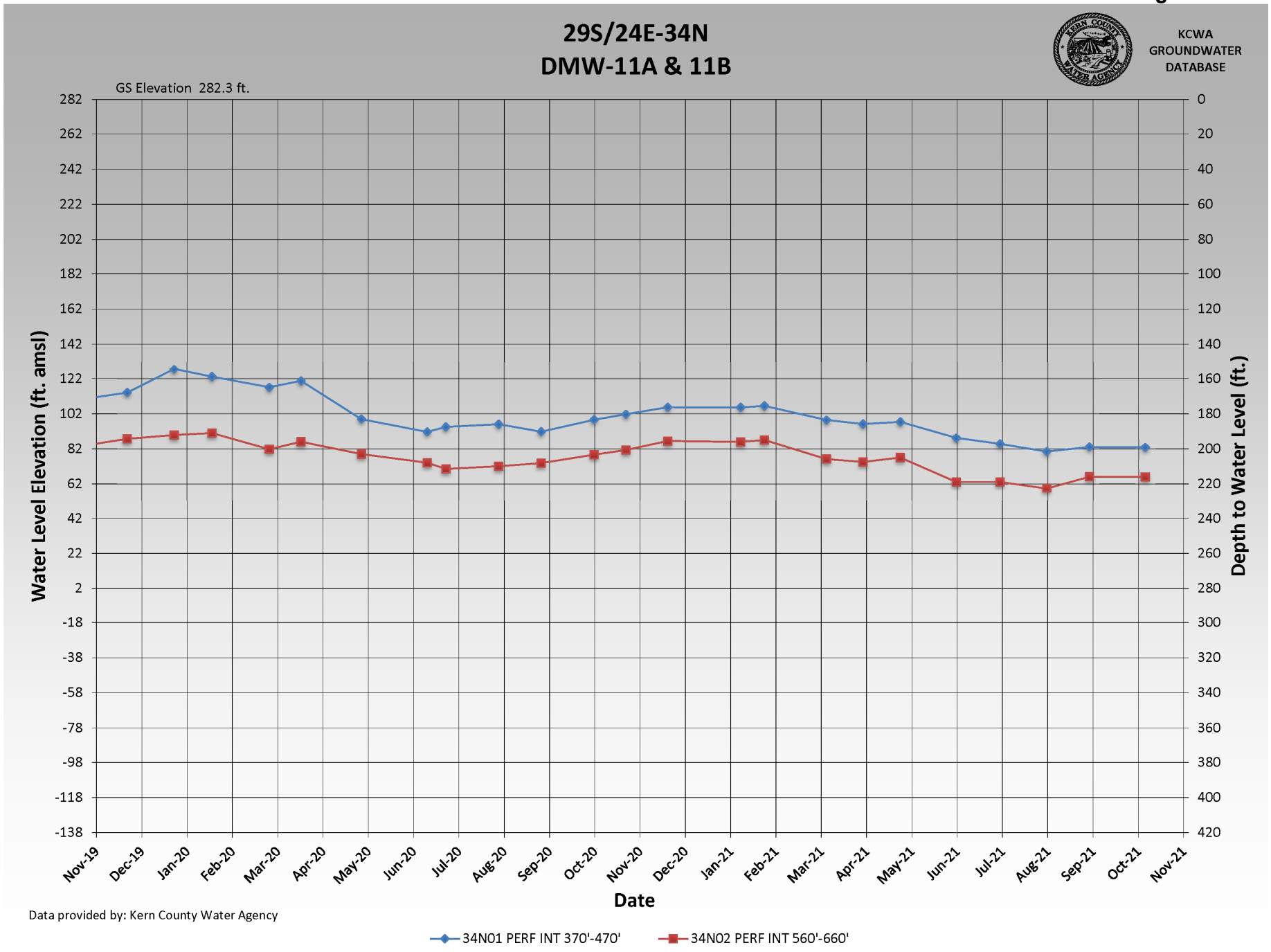

29S/24E-34N
DMW-11A & 11B
KCWA
GROUNDWATER
DATABASE
GS Elevation 282.3 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
282
262
242
222
202
182
162
142
122
102
82
62
42
22
2
-18
-38
-58
-78
-98
-118
-138
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Kern County Water Agency
34N01 PERF INT 370'-470'
34N02 PERF INT 560'-660'

Figure 1-3-10

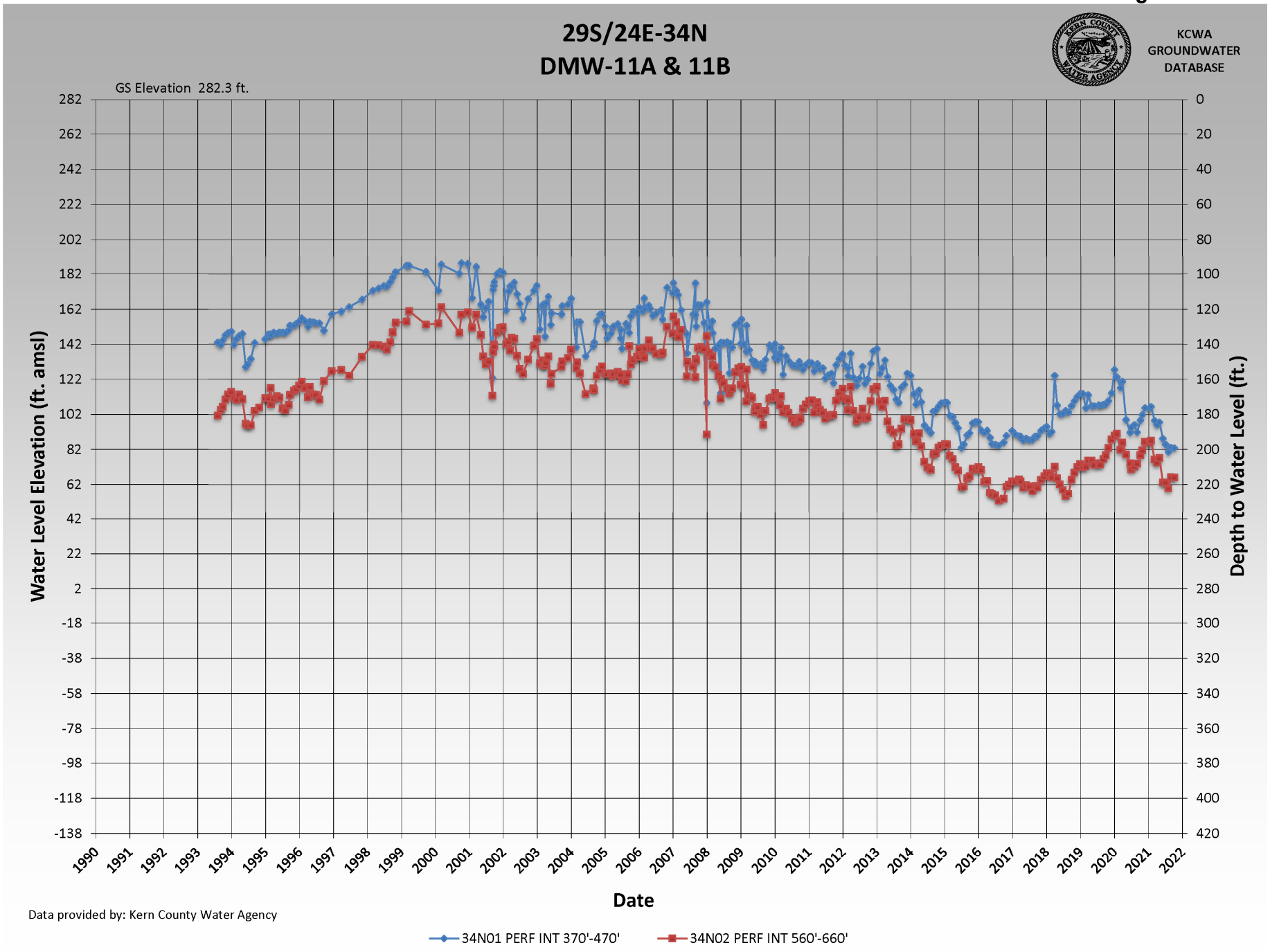

29S/24E-34N
DMW-11A & 11B
KCWA
GROUNDWATER
DATABASE
GS Elevation 282.3 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
282
262
242
222
202
182
162
142
122
102
82
62
42
22
2
-18
-38
-58
-78
-98
-118
-138
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
34N01 PERF INT 370'-470'
34N02 PERF INT 560'-660'

Figure 1-3-11

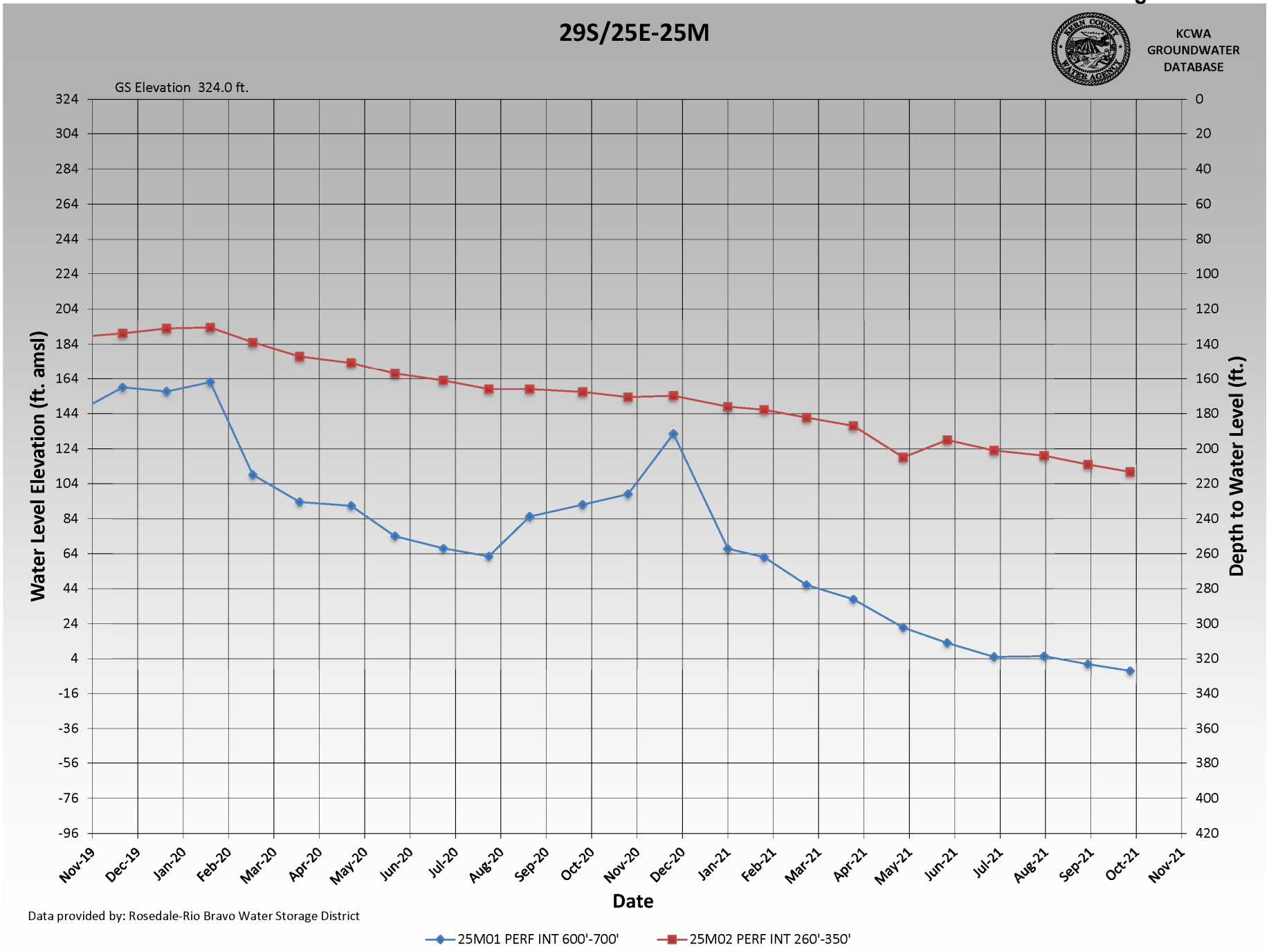

29S/25E-25M
KCWA GROUNDWATER DATABASE
GS Elevation 324.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
324
304
284
264
244
224
204
184
164
144
124
104
84
64
44
24
4
-16
-36
-56
-76
-96
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Rosedale-Rio Bravo Water Storage District
25M01 PERF INT 600'-700'
25M02 PERF INT 260'-350'

Figure 1-3-12

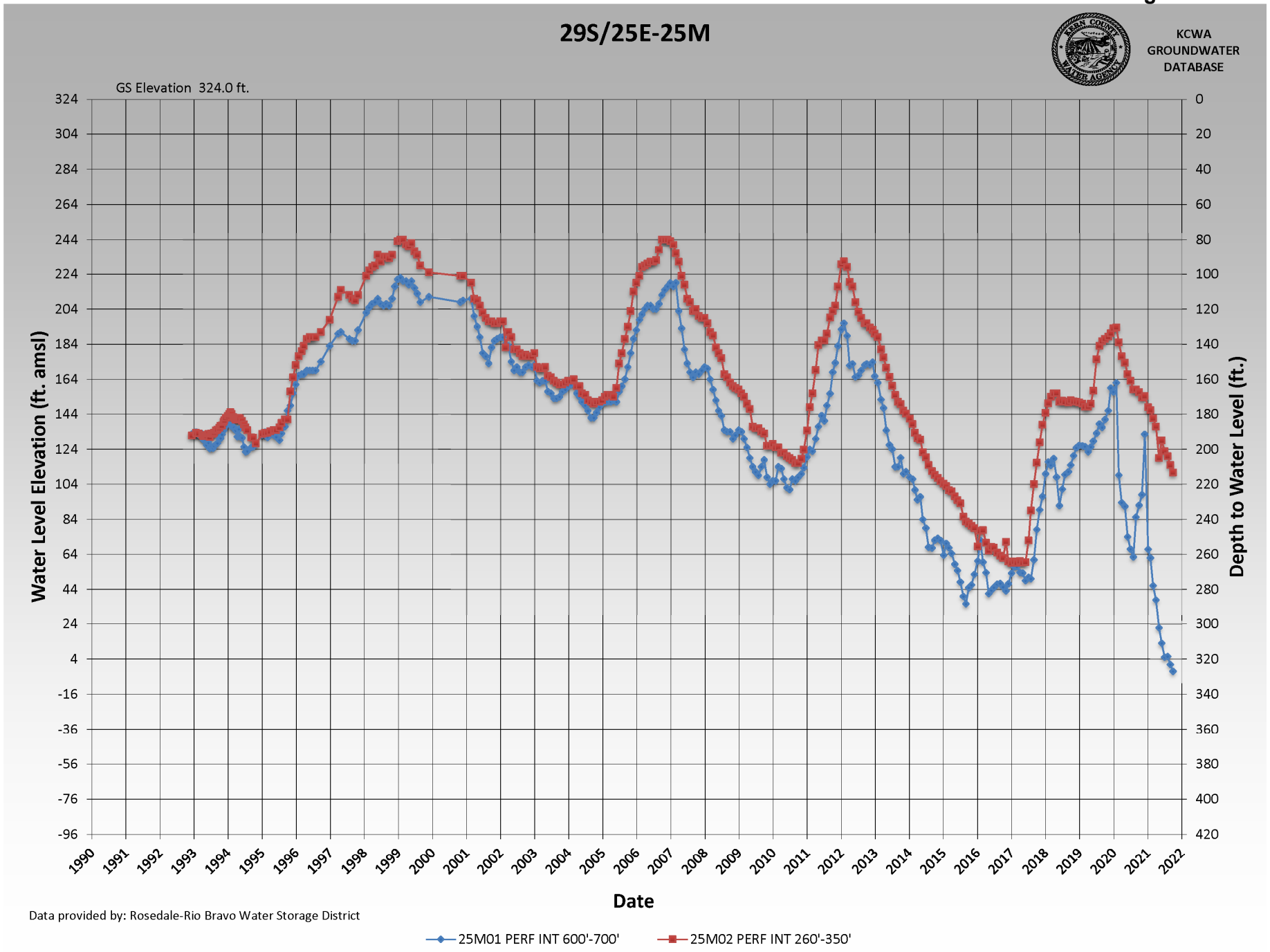

29S/25E-25M
KCWA GROUNDWATER DATABASE
GS Elevation 324.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Rosedale-Rio Bravo Water Storage District
25M01 PERF INT 600'-700'
25M02 PERF INT 260'-350'

Figure 1-3-13

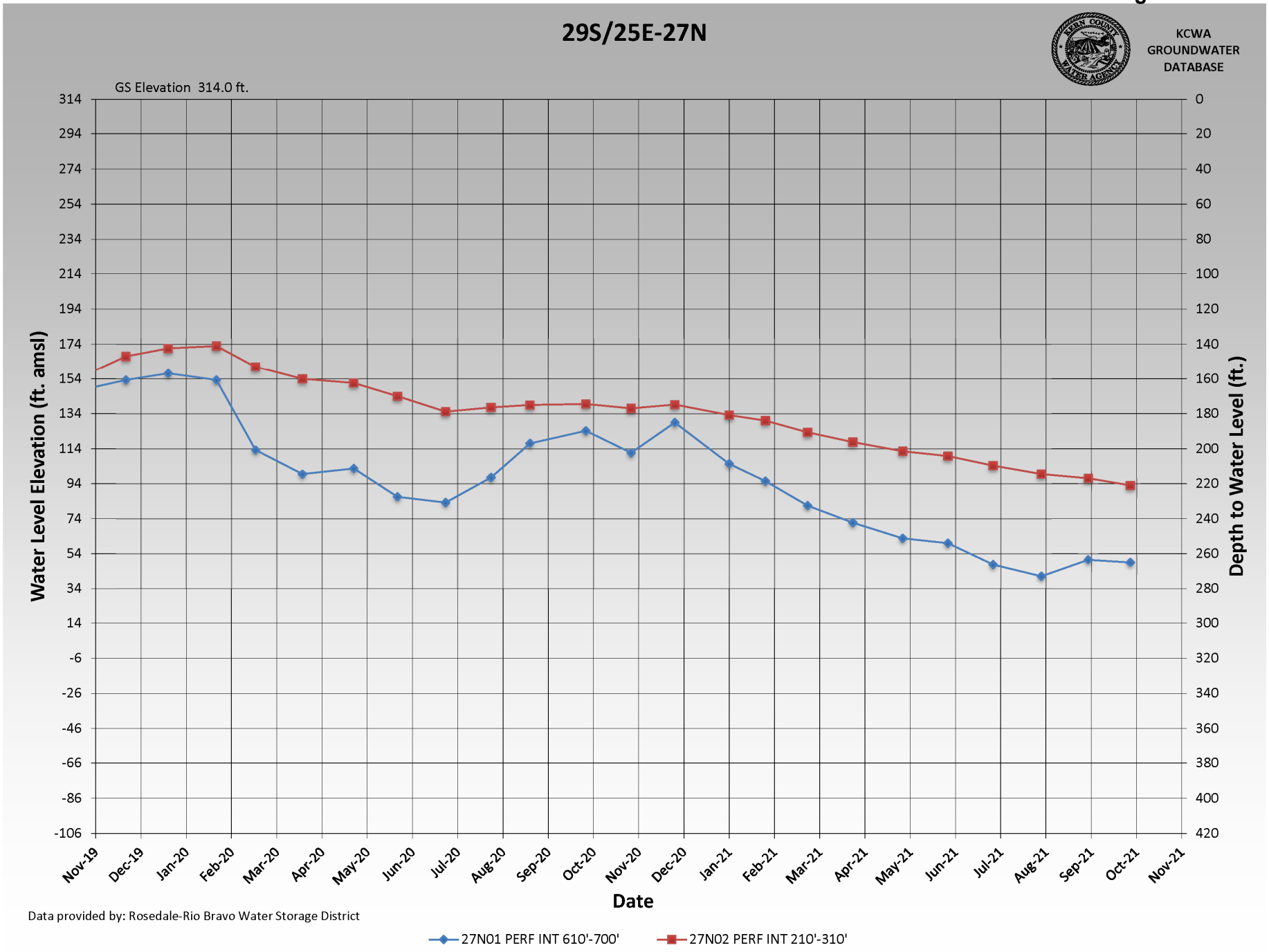

29S/25E-27N
KCWA GROUNDWATER DATABASE
GS Elevation 314.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
314
294
274
254
234
214
194
174
154
134
114
94
74
54
34
14
-6
-26
-46
-66
-86
-106
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Rosedale-Rio Bravo Water Storage District
27N01 PERF INT 610'-700'
27N02 PERF INT 210'-310'

Figure 1-3-14

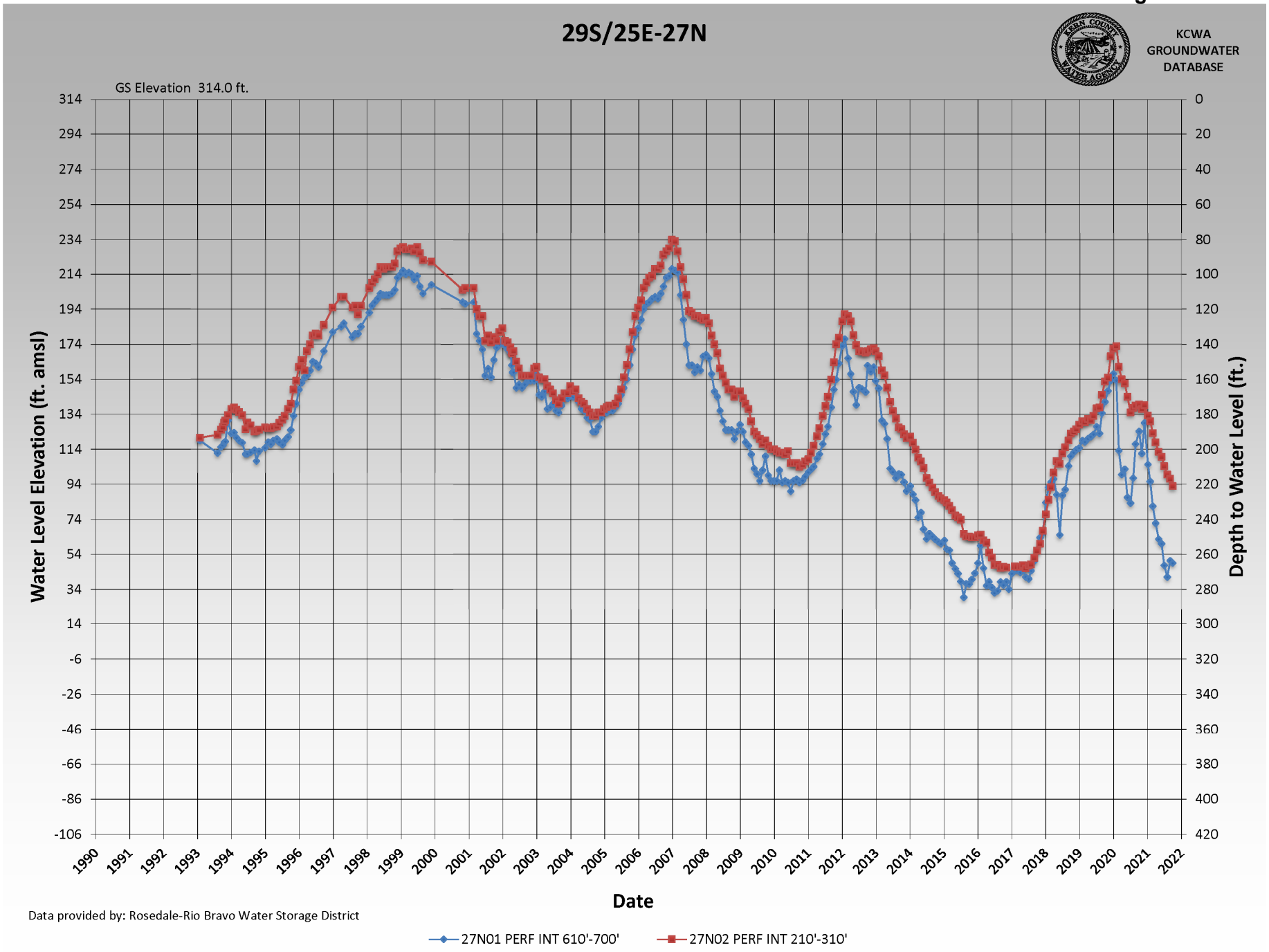

29S/25E-27N
KCWA GROUNDWATER DATABASE
GS Elevation 314.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Rosedale-Rio Bravo Water Storage District
27N01 PERF INT 610'-700'
27N02 PERF INT 210'-310'

Figure 1-3-15

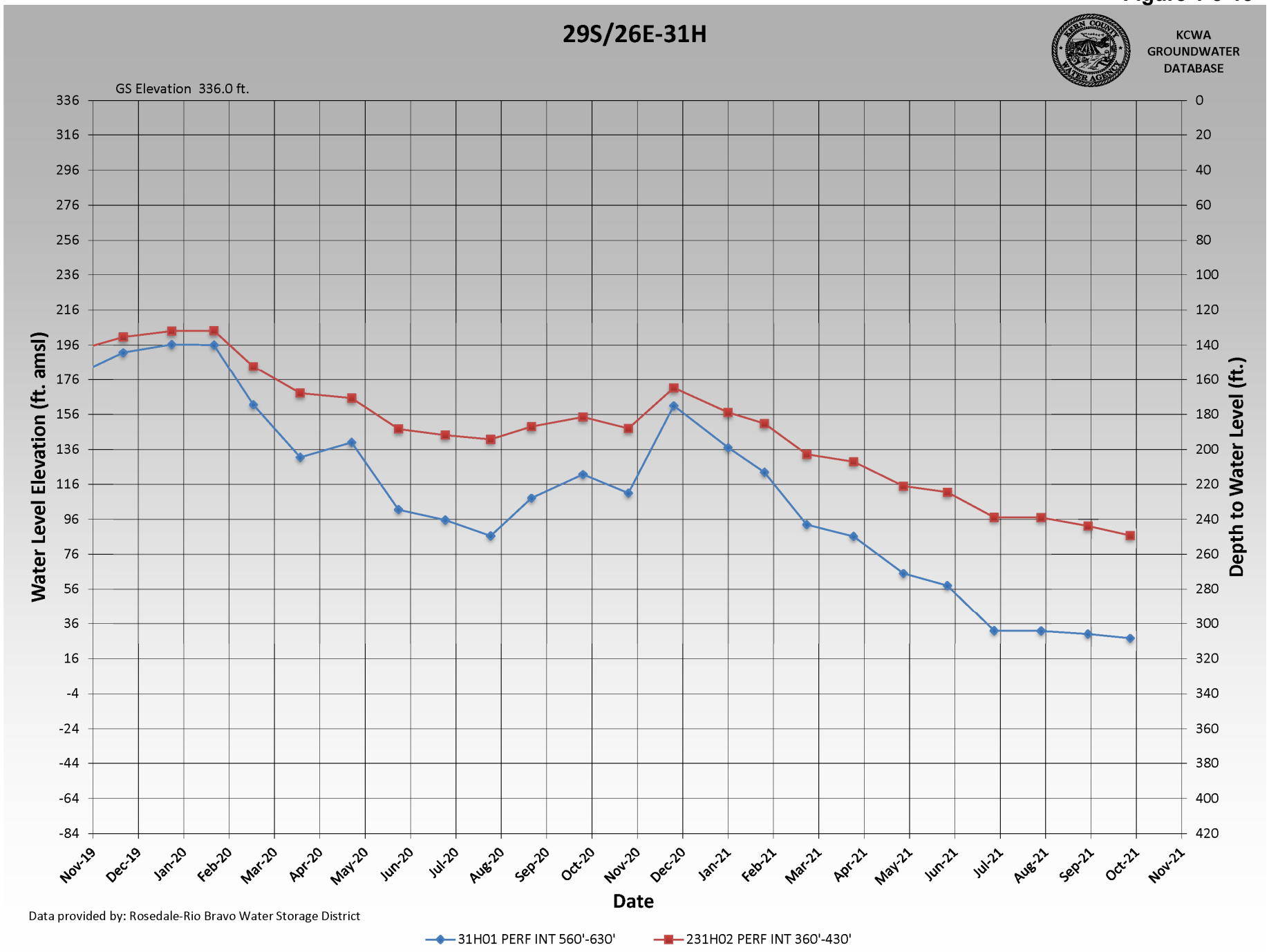

29S/26E-31H
KCWA GROUNDWATER DATABASE
GS Elevation 336.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
336
316
296
276
256
236
216
196
176
156
136
116
96
76
56
36
16
-4
-24
-44
-64
-84
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Rosedale-Rio Bravo Water Storage District
31H01 PERF INT 560'-630'
231H02 PERF INT 360'-430'

Figure 1-3-16

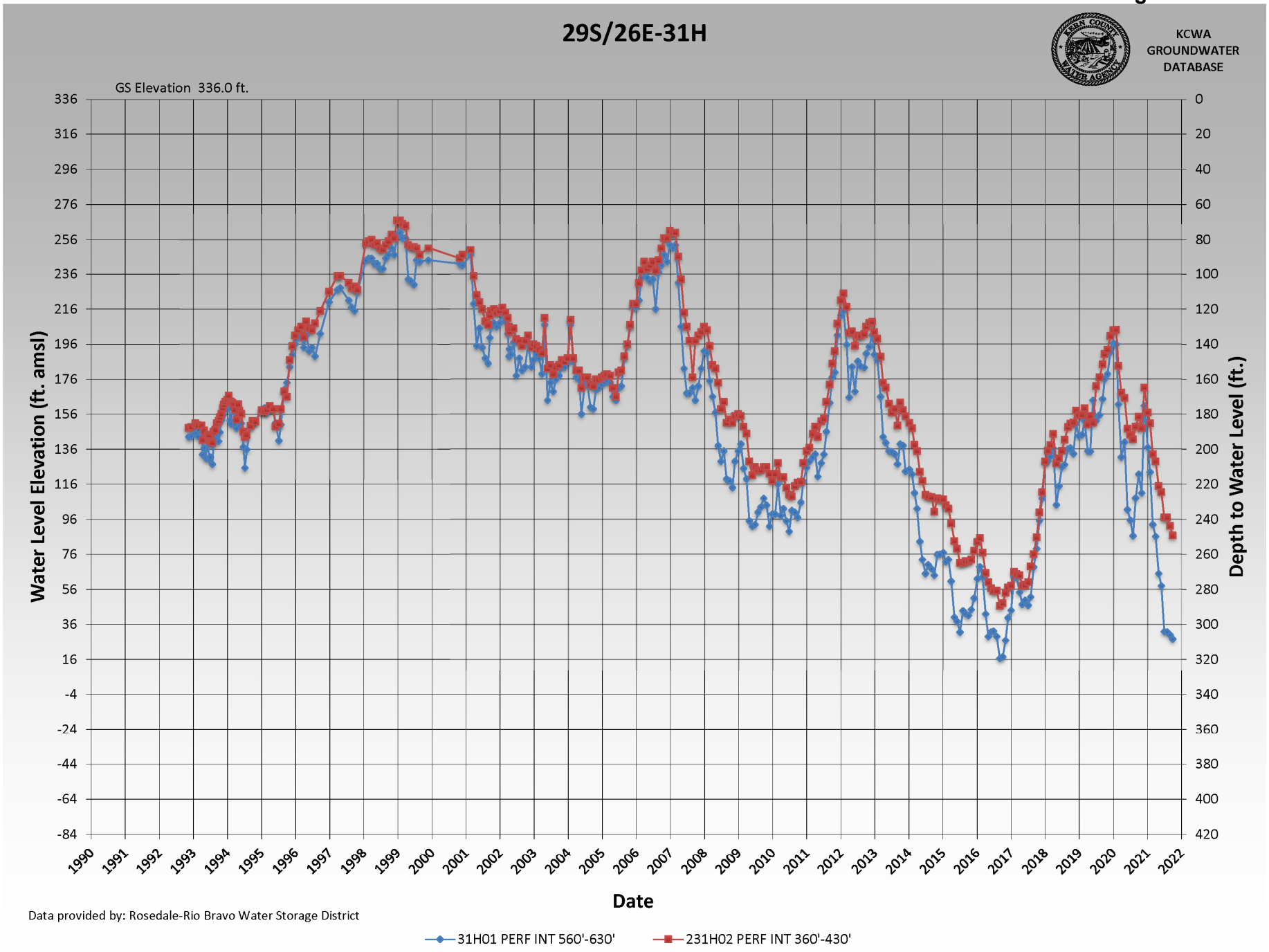

29S/26E-31H
KCWA GROUNDWATER DATABASE
GS Elevation 336.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
336
316
296
276
256
236
216
196
176
156
136
116
96
76
56
36
16
-4
-24
-44
-64
-84
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Rosedale-Rio Bravo Water Storage District
31H01 PERF INT 560'-630'
231H02 PERF INT 360'-430'

Figure 1-3-17

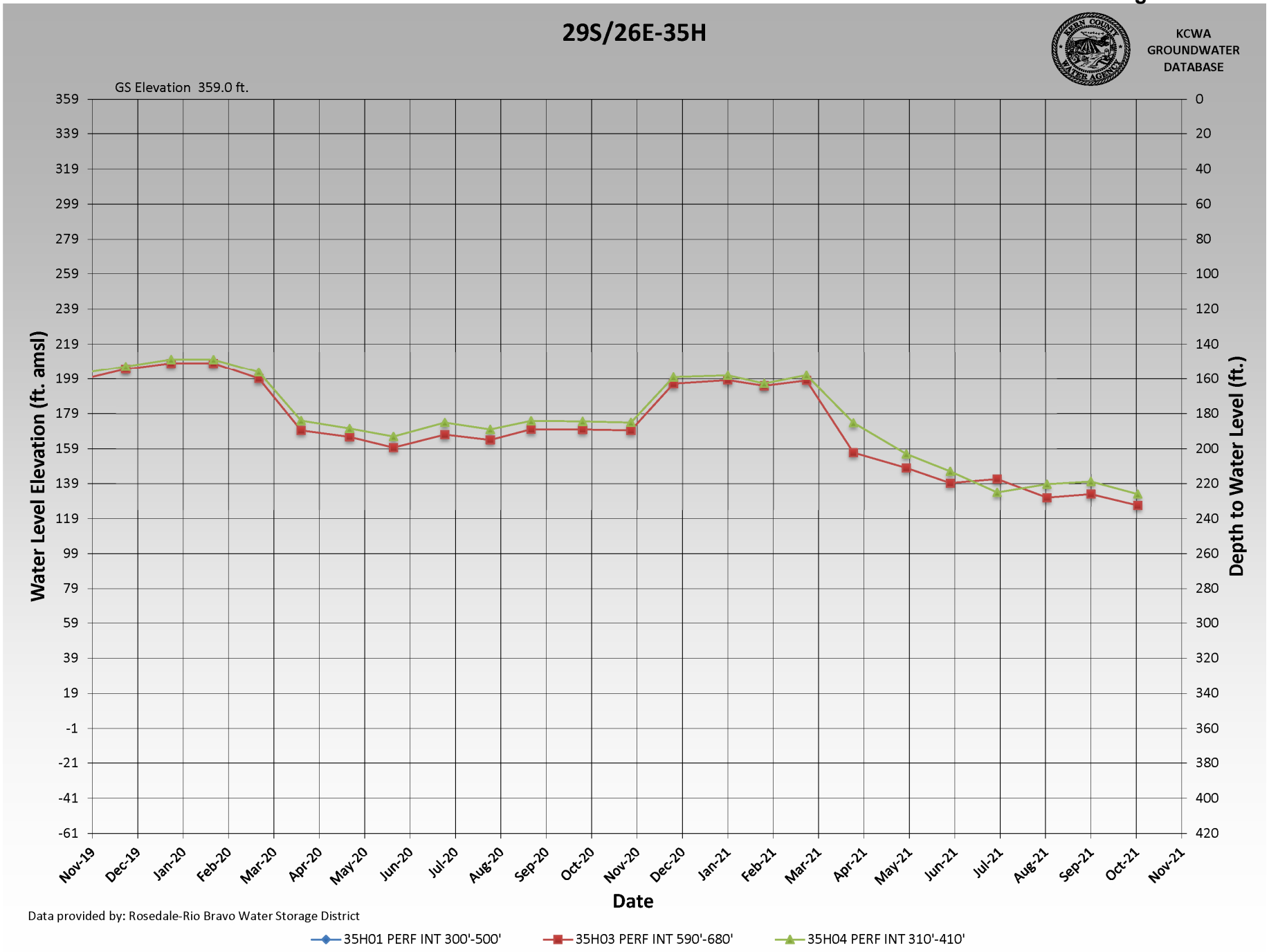

29S/26E-35H
KCWA GROUNDWATER DATABASE
GS Elevation 359.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
359
339
319
299
279
259
239
219
199
179
159
139
119
99
79
59
39
19
-1
-21
-41
-61
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Rosedale-Rio Bravo Water Storage District
35H01 PERF INT 300'-500'
35H03 PERF INT 590'-680'
35H04 PERF INT 310'-410'

Figure 1-3-18

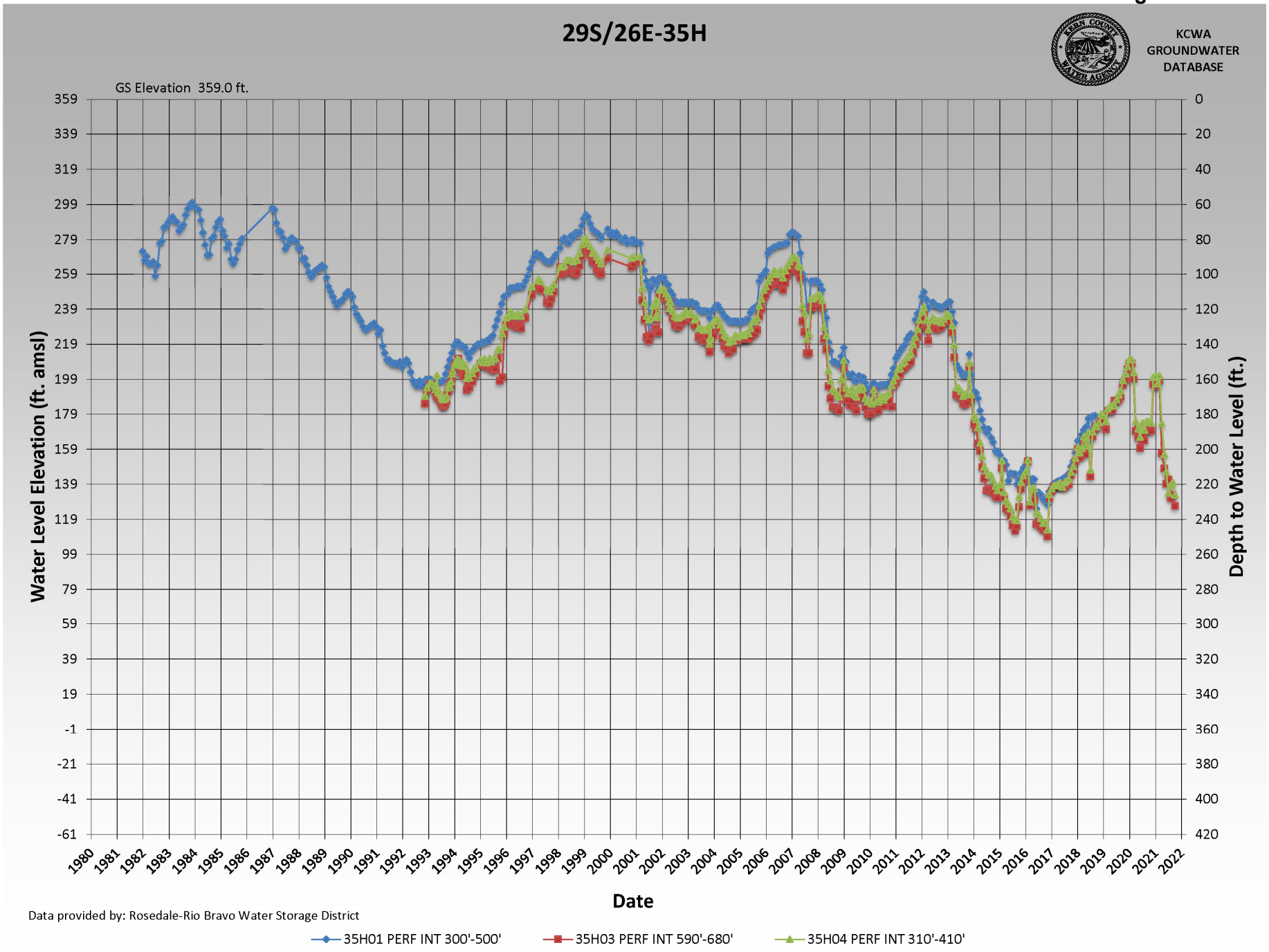

29S/26E-35H
KCWA GROUNDWATER DATABASE
GS Elevation 359.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
359
339
319
299
279
259
239
219
199
179
159
139
119
99
79
59
39
19
-1
-21
-41
-61
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Rosedale-Rio Bravo Water Storage District
35H01 PERF INT 300'-500'
35H03 PERF INT 590'-680'
35H04 PERF INT 310'-410'

Figure 1-3-19

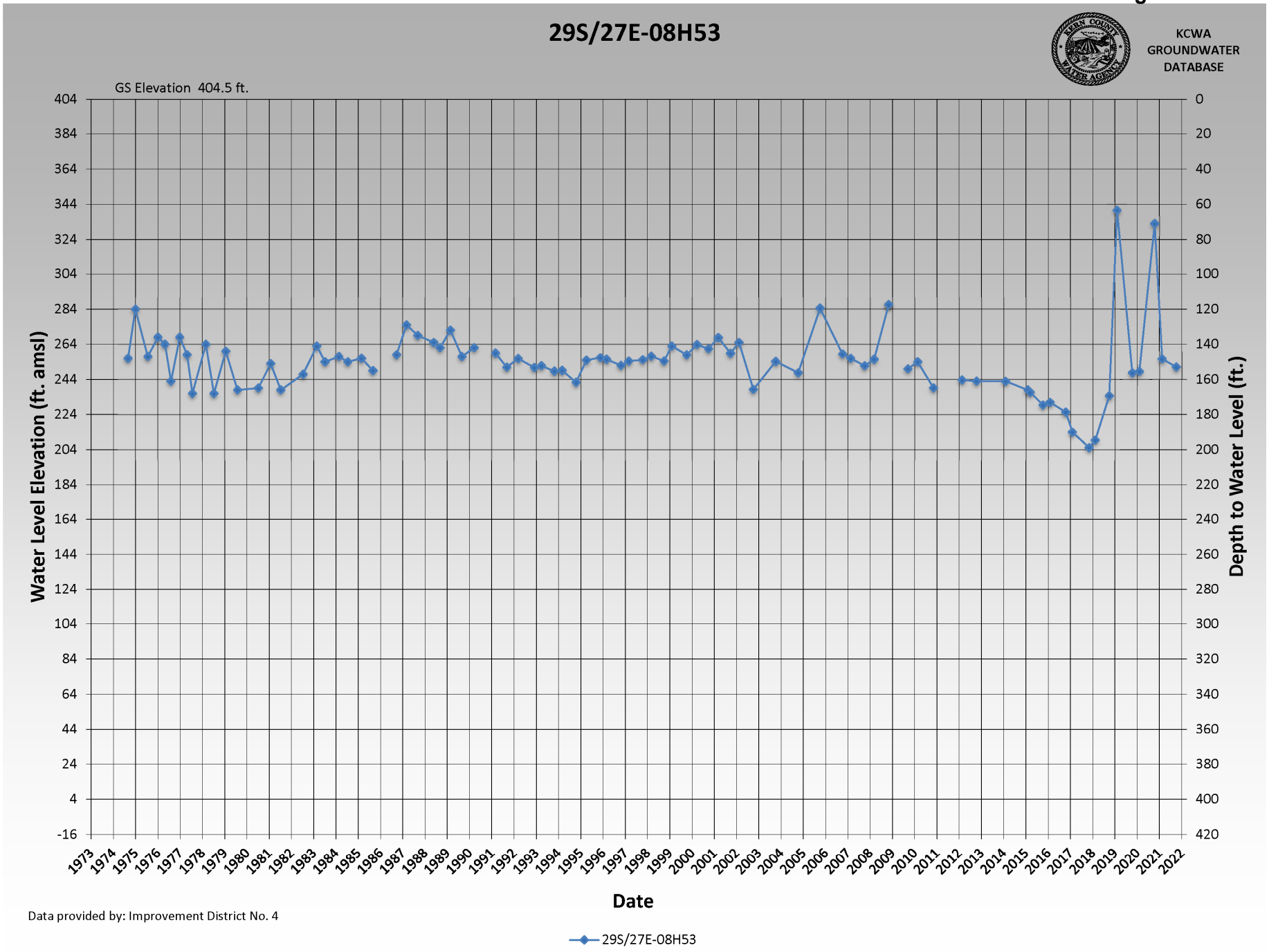

29S/27E-08H53
KCWA GROUNDWATER DATABASE
GS Elevation 404.5 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
404
384
364
344
324
304
284
264
244
224
204
184
164
144
124
104
84
64
44
24
4
-16
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022
Date
Data provided by: Improvement District No. 4
29S/27E-08H53

Figure 1-3-20

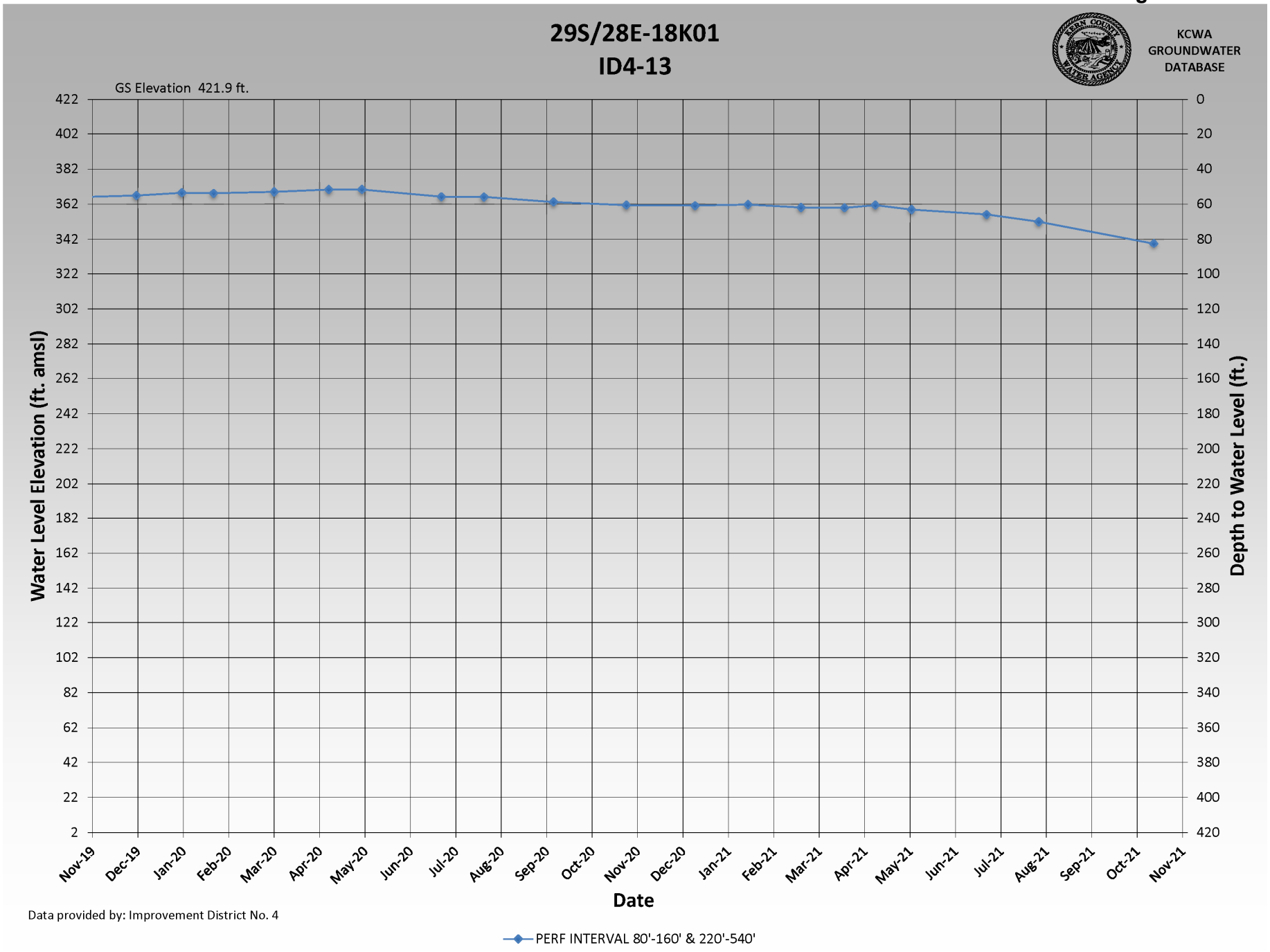

29S/28E-18K01
ID4-13
KCWA
GROUNDWATER
DATABASE
GS Elevation 421.9 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
422
402
382
362
342
322
302
282
262
242
222
202
182
162
142
122
102
82
62
42
22
2
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Improvement District No. 4
PERF INTERVAL 80'-160' & 220'-540'

Figure 1-3-21

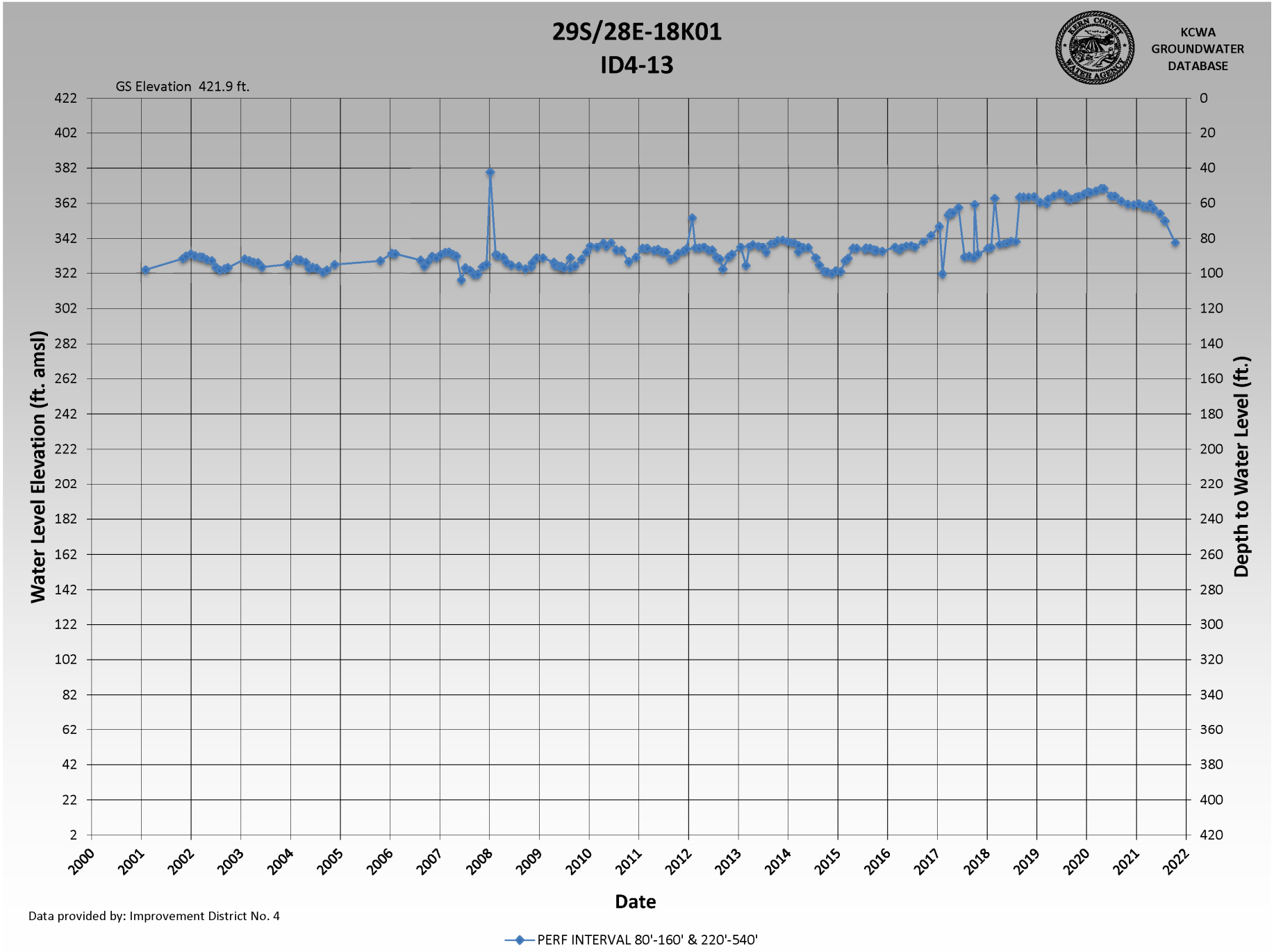

29S/28E-18K01
ID4-13
KCWA
GROUNDWATER
DATABASE
GS Elevation 421.9 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
422
402
382
362
342
322
302
282
262
242
222
202
182
162
142
122
102
82
62
42
22
2
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Improvement District No. 4
PERF INTERVAL 80'-160' & 220'-540'

Figure 1-3-22

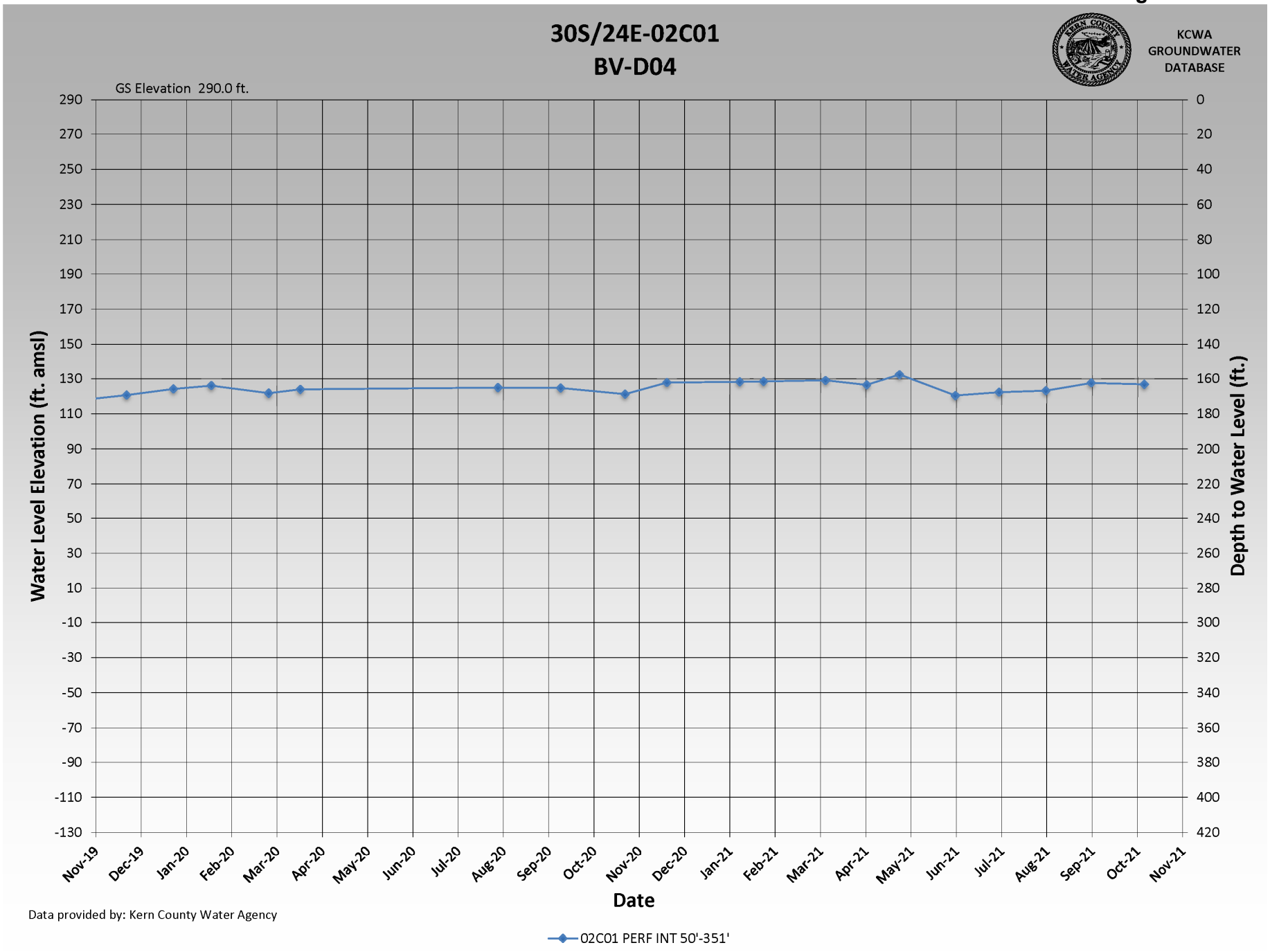

30S/24E-02C01
BV-D04
KCWA
GROUNDWATER
DATABASE
GS Elevation 290.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
290
270
250
230
210
190
170
150
130
110
90
70
50
30
10
-10
-30
-50
-70
-90
-110
-130
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Kern County Water Agency
02C01 PERF INT 50'-351'

Figure 1-3-23

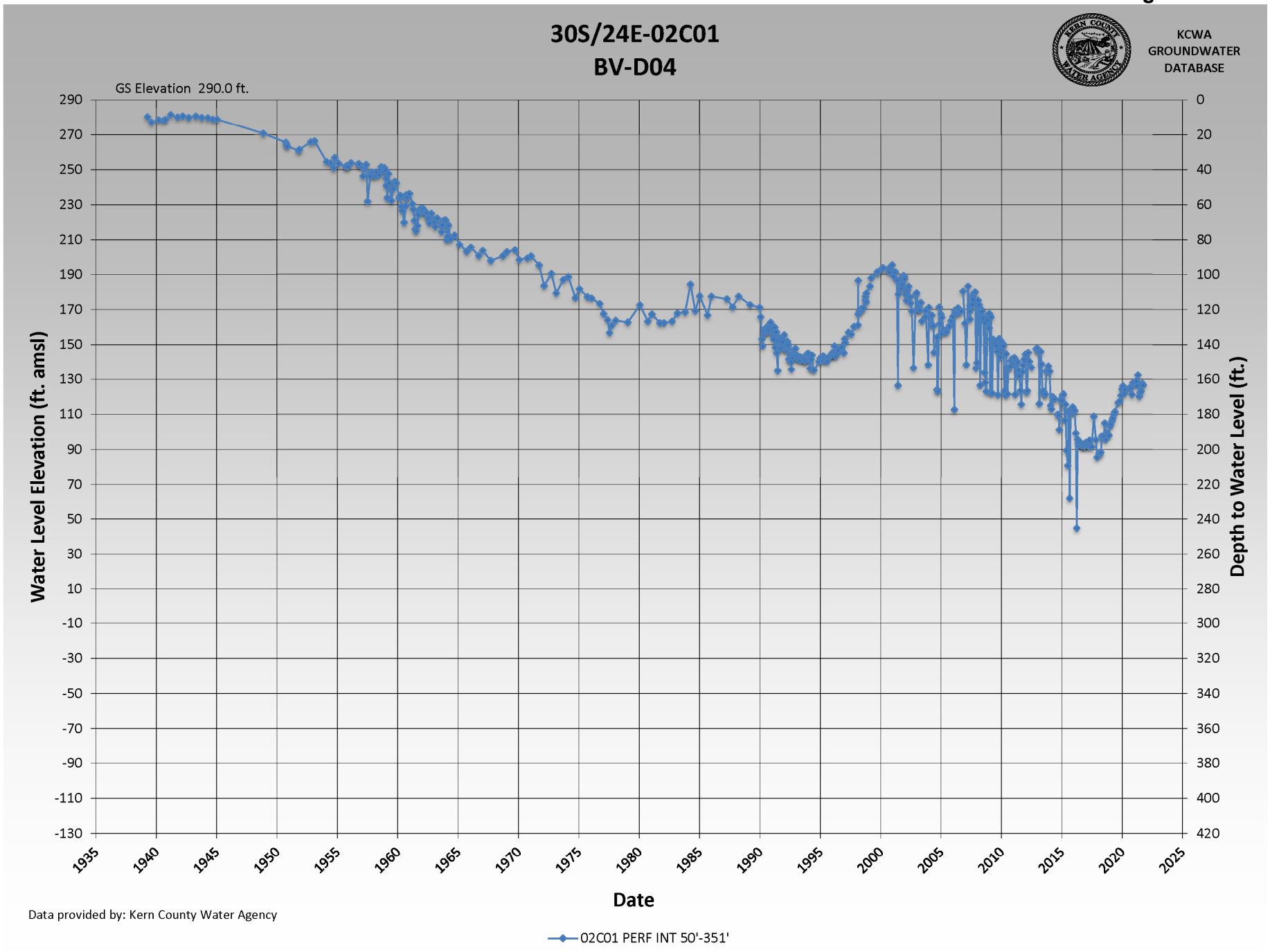

30S/24E-02C01
BV-D04
KCWA
GROUNDWATER
DATABASE
GS Elevation 290.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
290
270
250
230
210
190
170
150
130
110
90
70
50
30
10
-10
-30
-50
-70
-90
-110
-130
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1935
1940
1945
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
Date
Data provided by: Kern County Water Agency
02C01 PERF INT 50'-351'

Figure 1-3-24

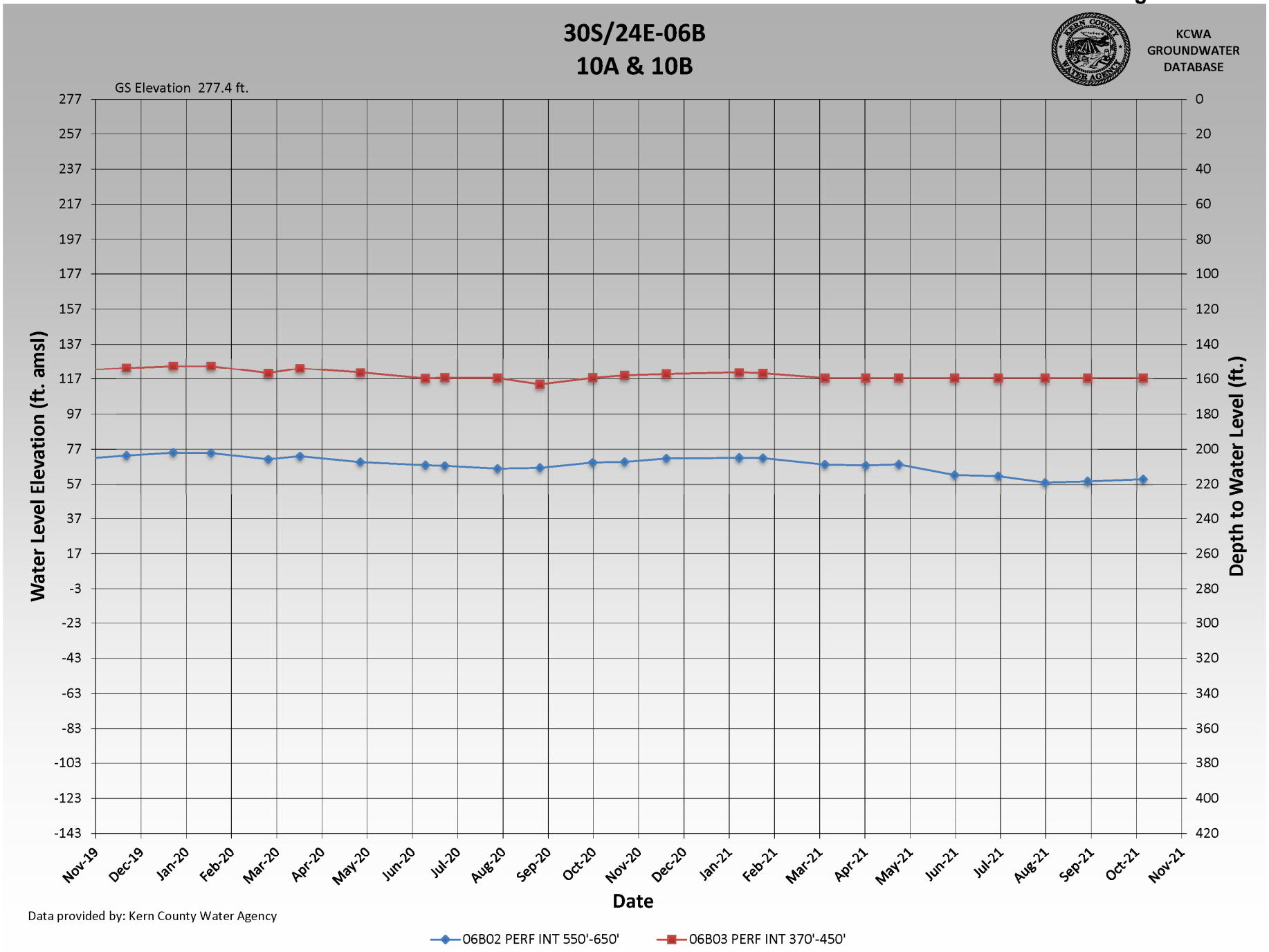

30S/24E-06B
10A & 10B
KCWA
GROUNDWATER
DATABASE
GS Elevation 277.4 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
277
257
237
217
197
177
157
137
117
97
77
57
37
17
-3
-23
-43
-63
-83
-103
-123
-143
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Kern County Water Agency
06B02 PERF INT 550'-650'
06B03 PERF INT 370'-450'

Figure 1-3-25

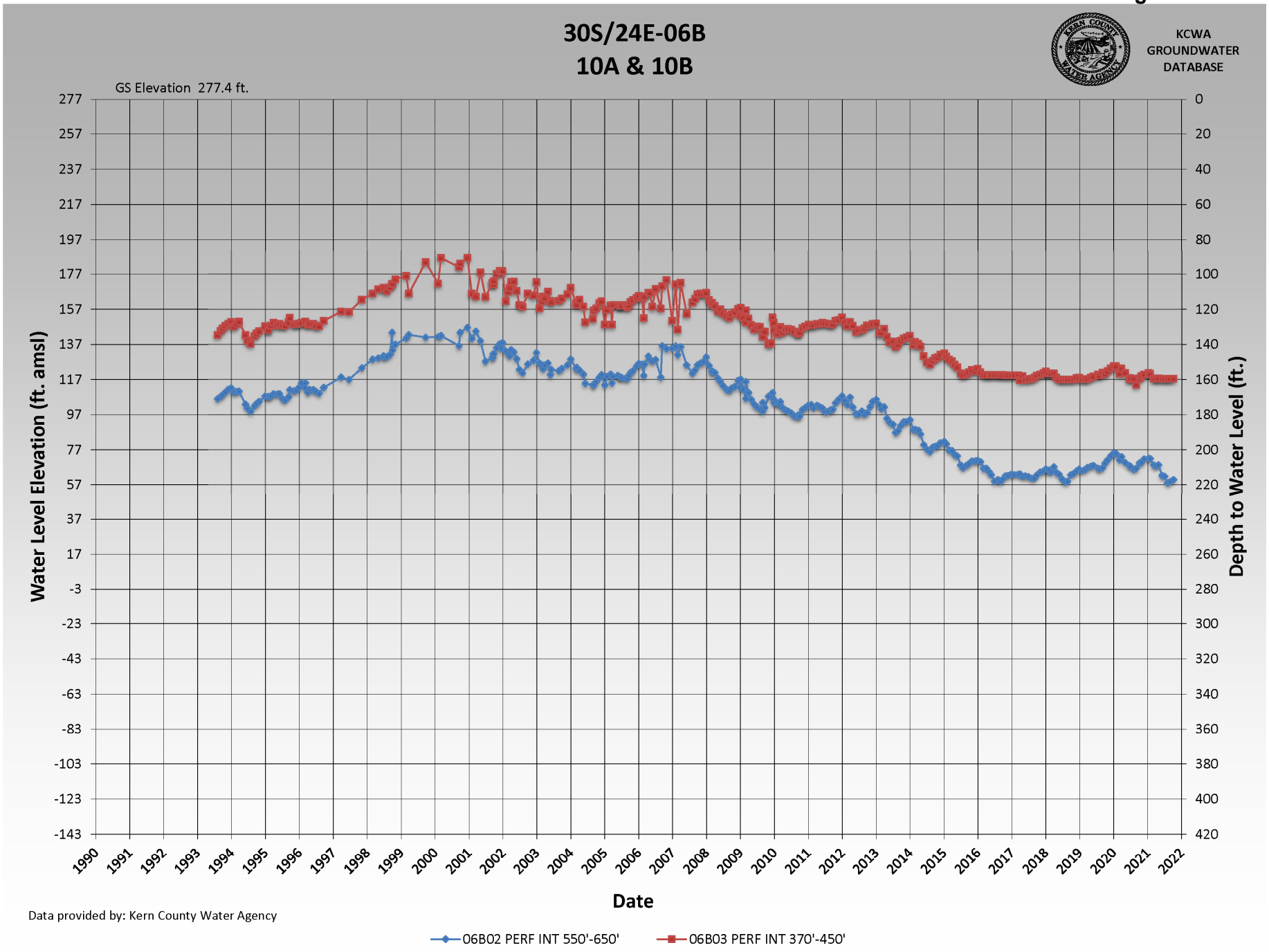

30S/24E-06B
10A & 10B
KCWA
GROUNDWATER
DATABASE
GS Elevation 277.4 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
277
257
237
217
197
177
157
137
117
97
77
57
37
17
-3
-23
-43
-63
-83
-103
-123
-143
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
06B02 PERF INT 550'-650'
06B03 PERF INT 370'-450'

Figure 1-3-26

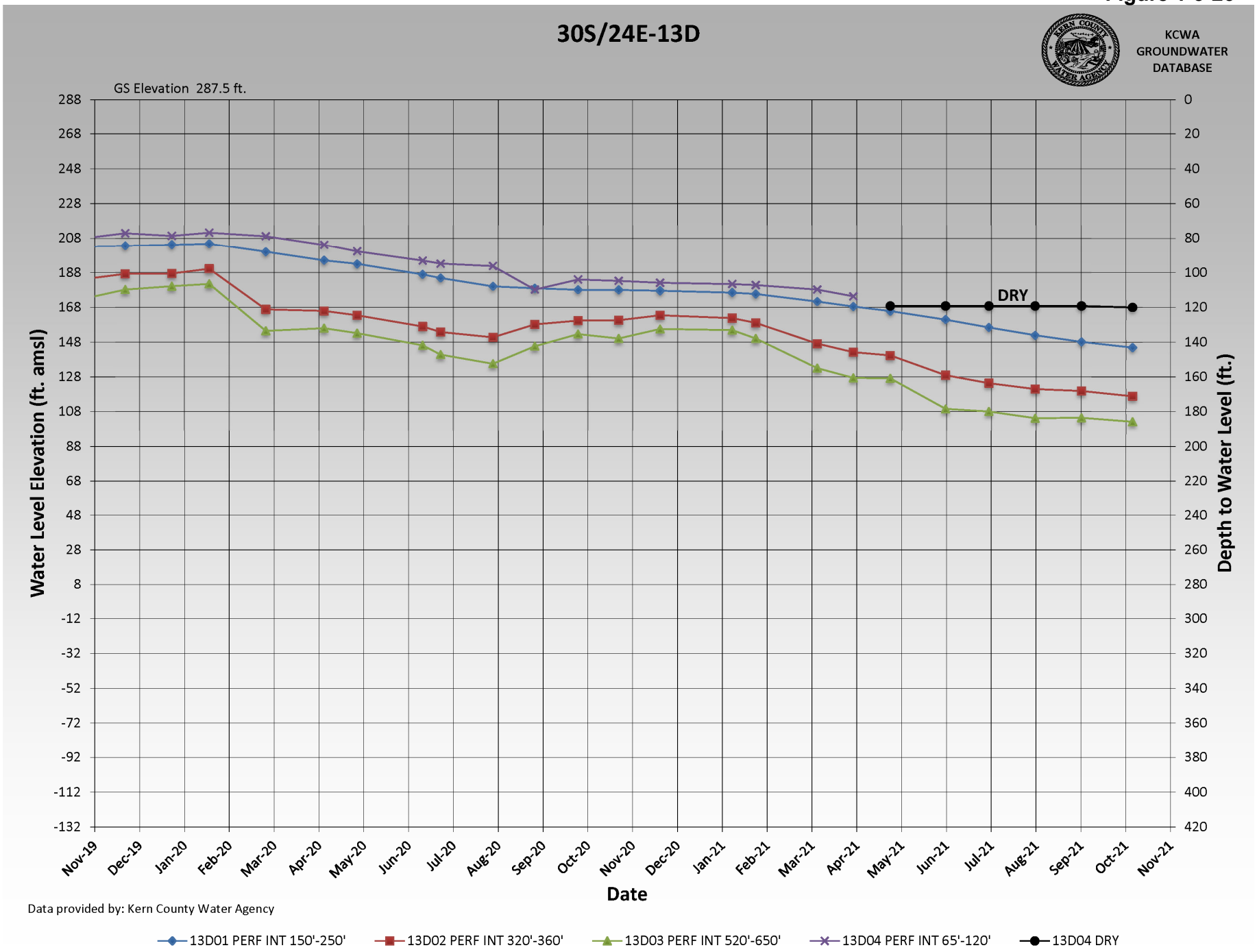

30S/24E-13D
KCWA GROUNDWATER DATABASE
GS Elevation 287.5 ft.
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Kern County Water Agency
13D01 PERF INT 150'-250'
13D02 PERF INT 320'-360'
13D03 PERF INT 520'-650'
13D04 PERF INT 65'-120'
13D04 DRY

Figure 1-3-27

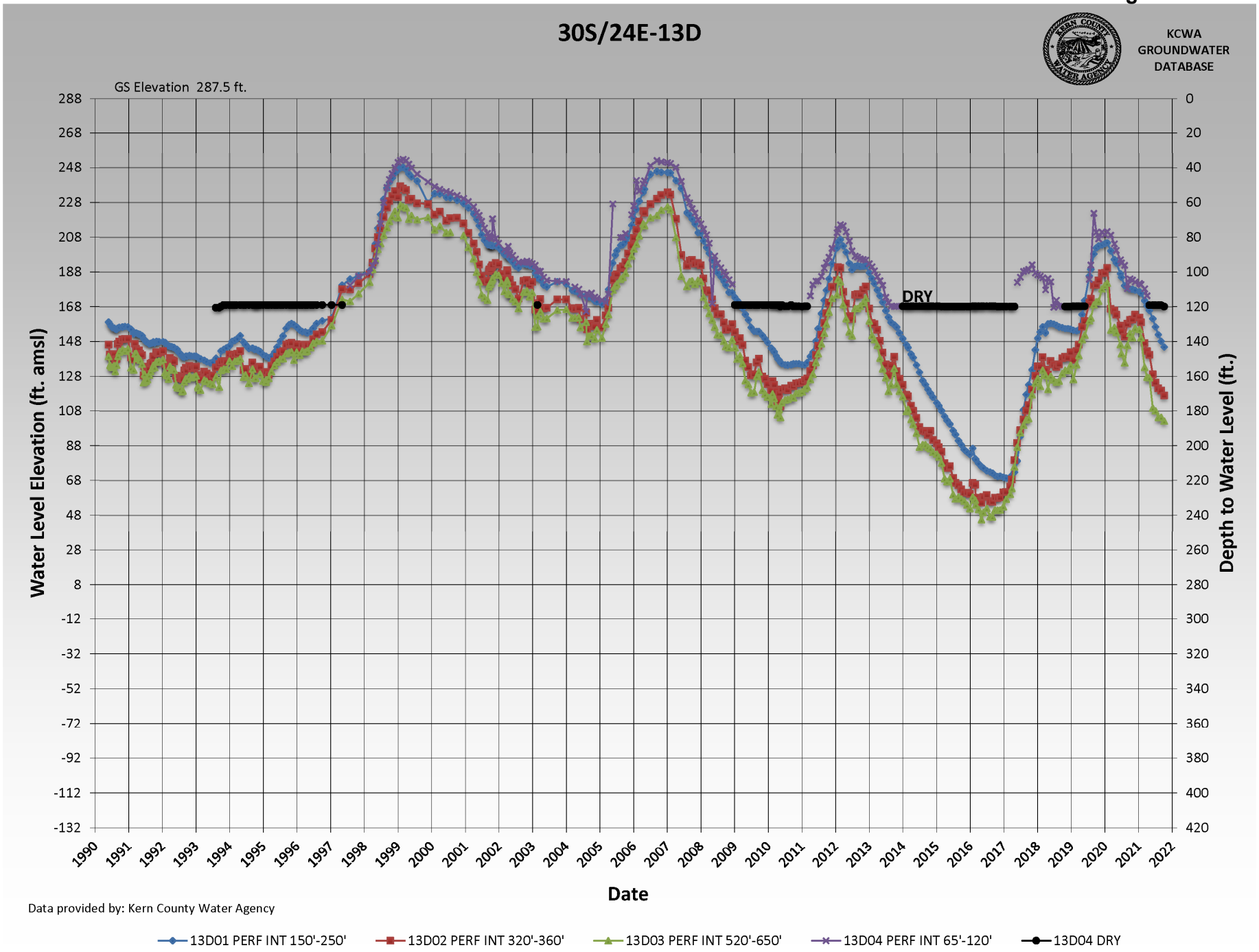

30S/24E-13D
KCWA GROUNDWATER DATABASE
GS Elevation 287.5 ft.
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Kern County Water Agency
13D01 PERF INT 150'-250'
13D02 PERF INT 320'-360'
13D03 PERF INT 520'-650'
13D04 PERF INT 65'-120'
13D04 DRY

Figure 1-3-28

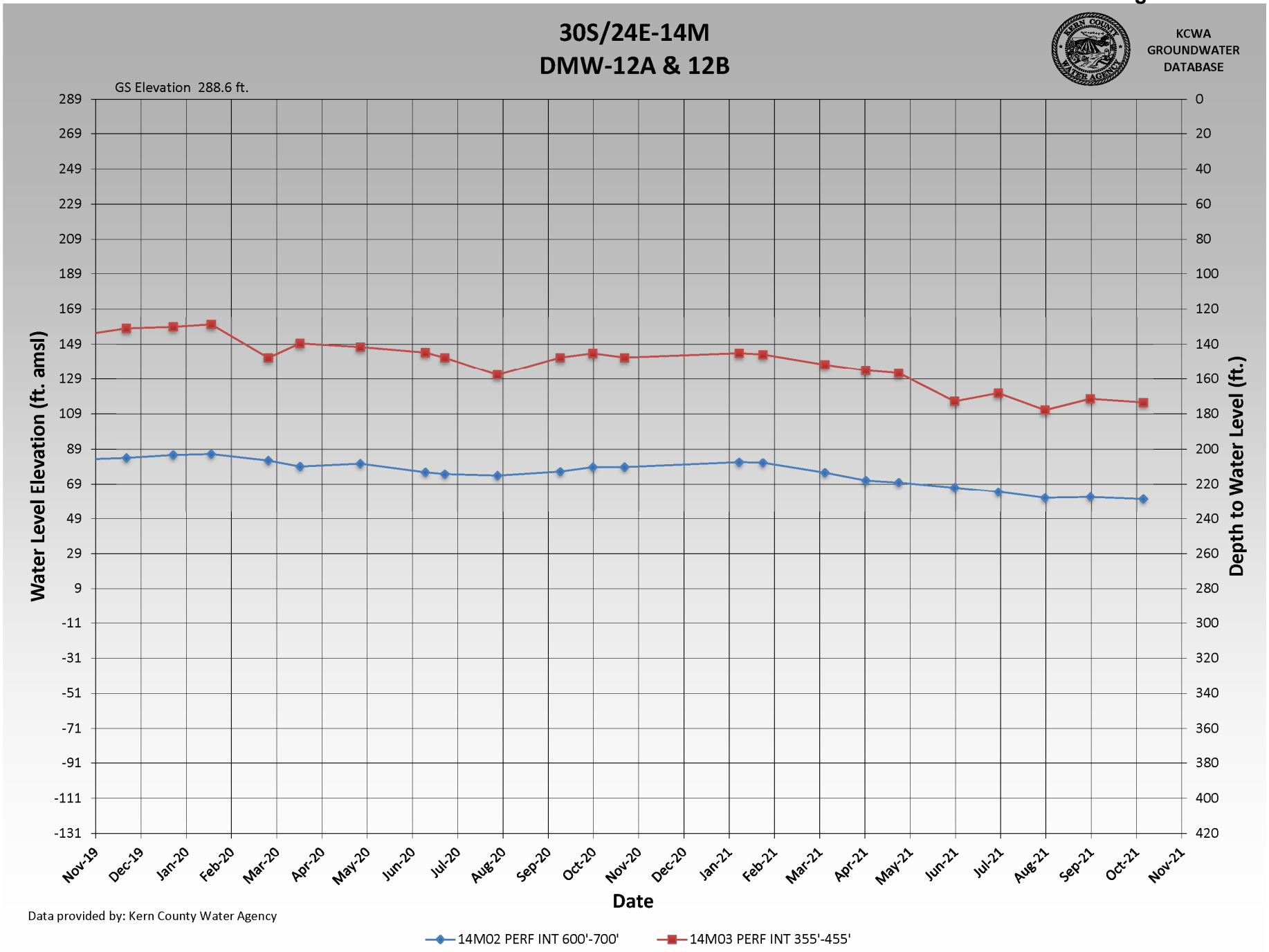

30S/24E-14M
DMW-12A & 12B
KCWA
GROUNDWATER
DATABASE
GS Elevation 288.6 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
289
269
249
229
209
189
169
149
129
109
89
69
49
29
9
-11
-31
-51
-71
-91
-111
-131
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Kern County Water Agency
14M02 PERF INT 600'-700'
14M03 PERF INT 355'-455'

Figure 1-3-29

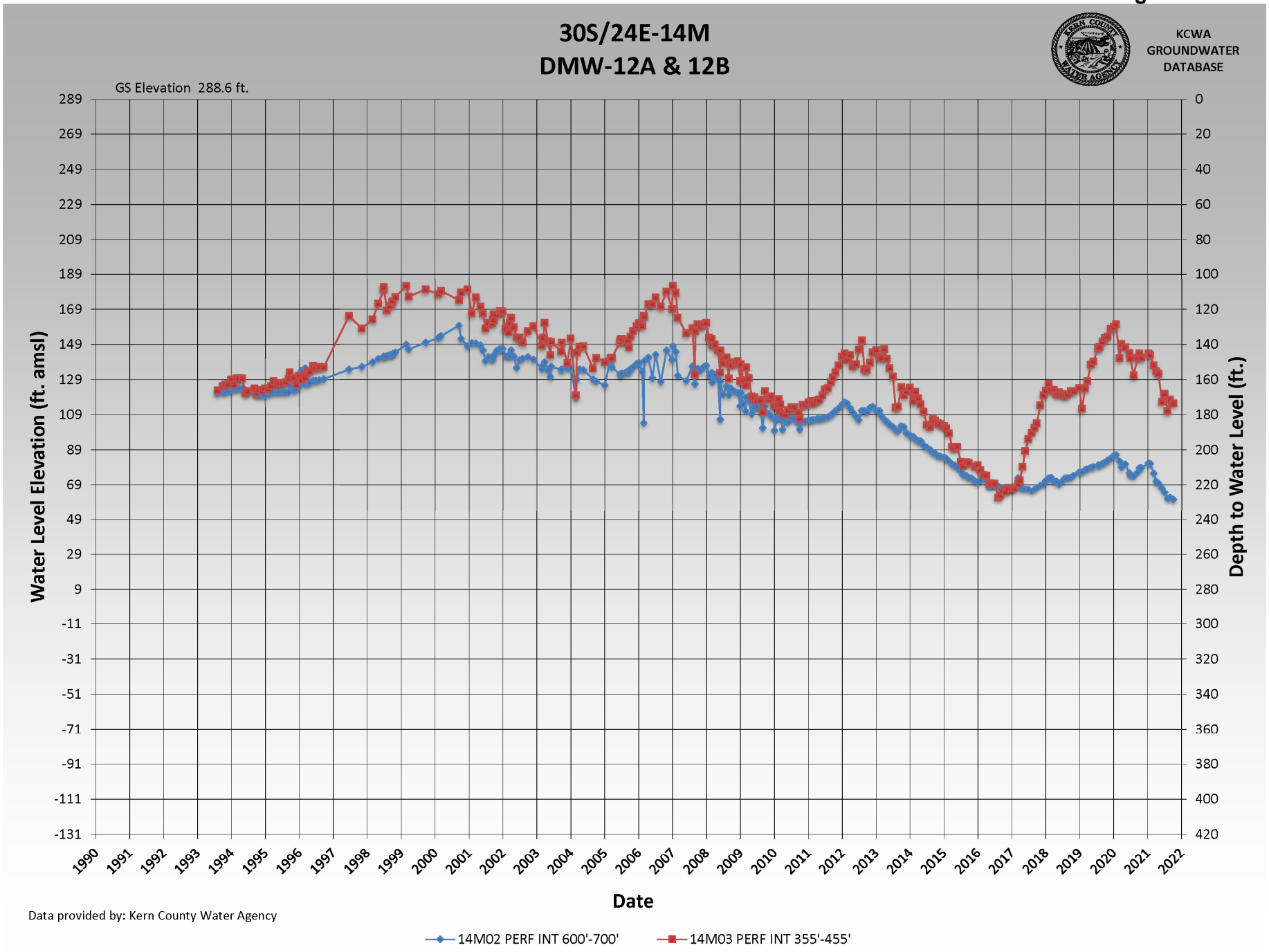

30S/24E-14M
DMW-12A & 12B
KCWA
GROUNDWATER
DATABASE
GS Elevation 288.6 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
289
269
249
229
209
189
169
149
129
109
89
69
49
29
9
-11
-31
-51
-71
-91
-111
-131
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
14M02 PERF INT 600'-700'
14M03 PERF INT 355'-455'

Figure 1-3-30

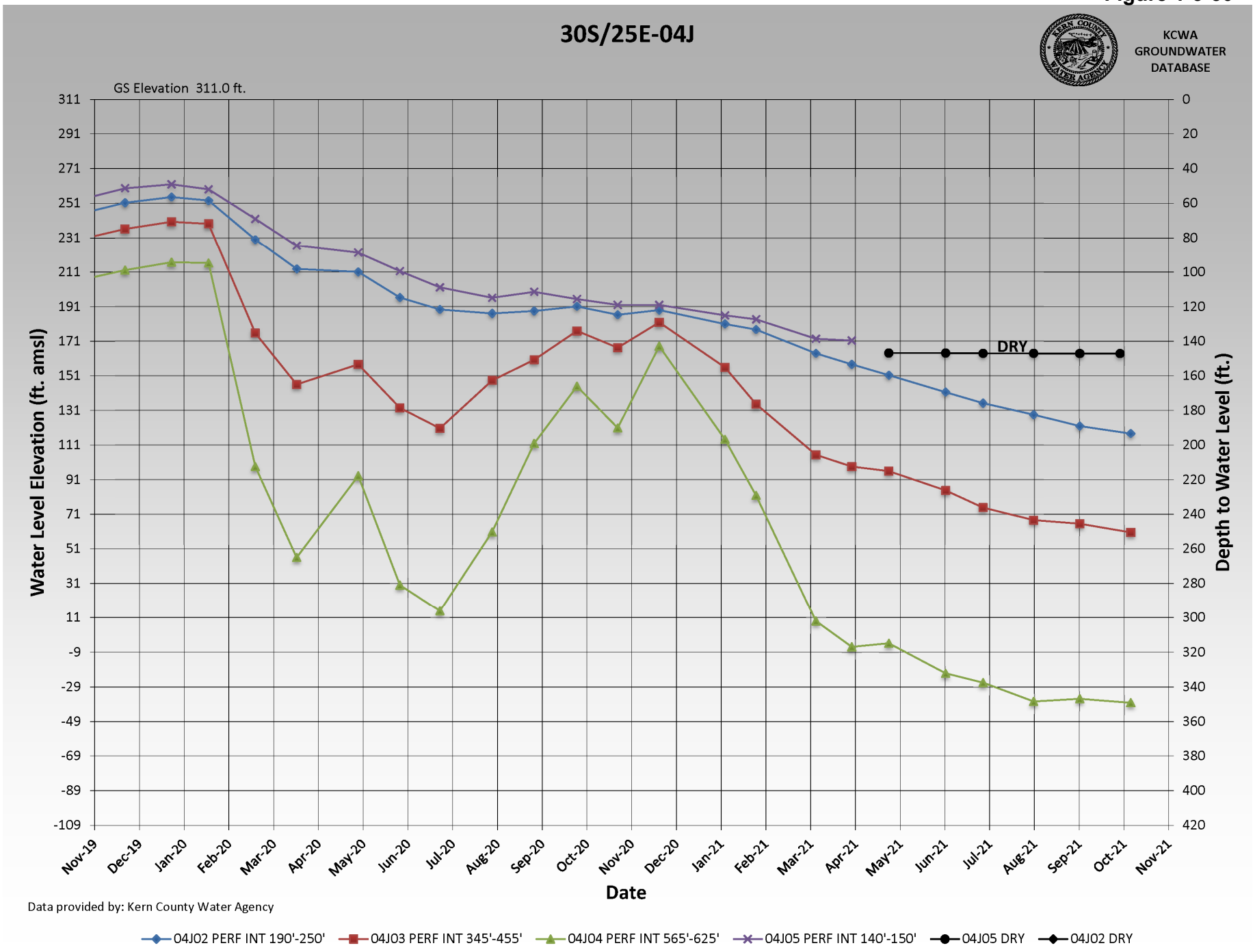

30S/25E-04J
KCWA GROUNDWATER DATABASE
GS Elevation 311.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
DRY
Date
Data provided by: Kern County Water Agency
04J02 PERF INT 190'-250'
04J03 PERF INT 345'-455'
04J04 PERF INT 565'-625'
04J05 PERF INT 140'-150'
04J05 DRY
04J02 DRY

Figure 1-3-31

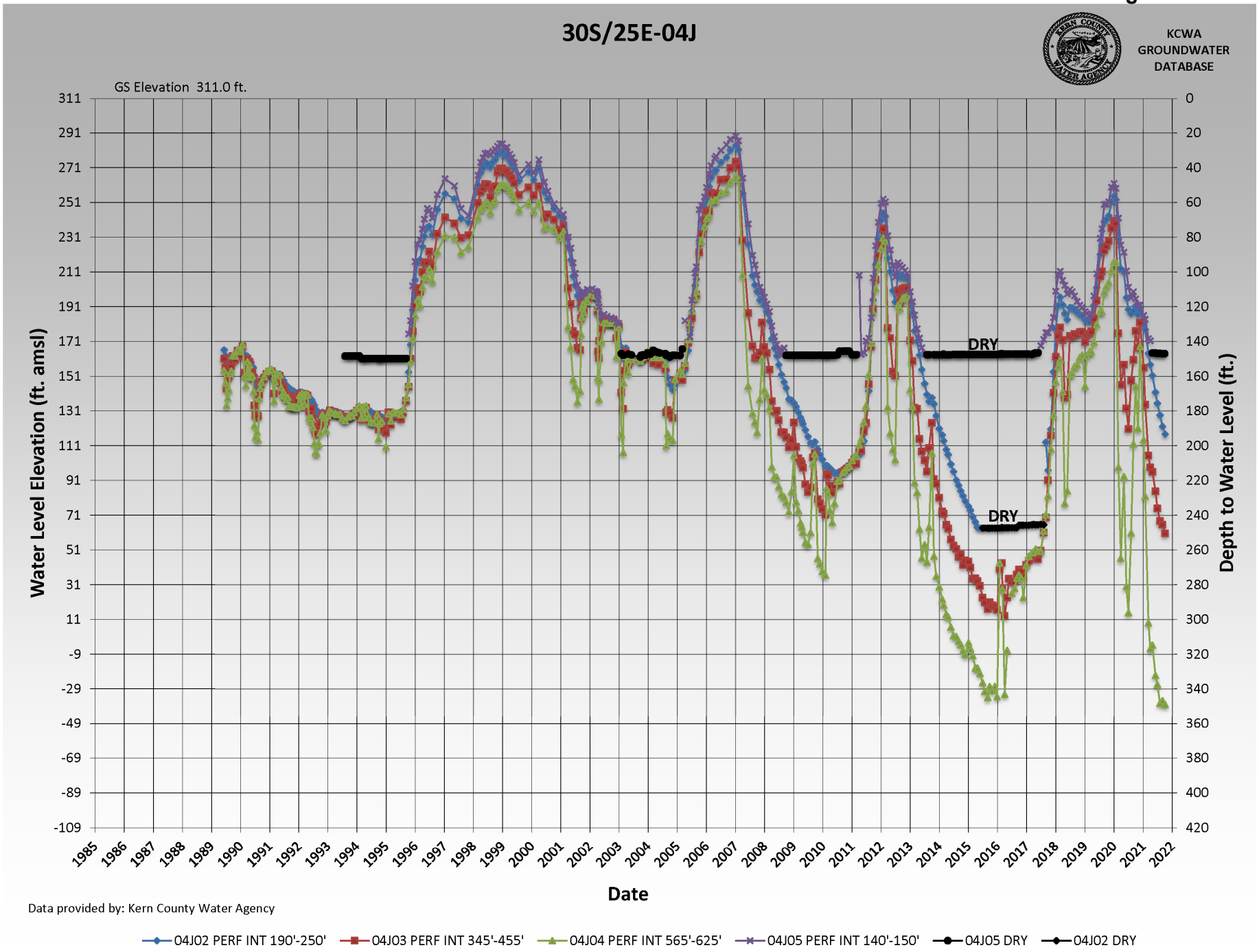

30S/25E-04J
KCWA GROUNDWATER DATABASE
GS Elevation 311.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
DRY
DRY
Date
Data provided by: Kern County Water Agency
04J02 PERF INT 190'-250'
04J03 PERF INT 345'-455'
04J04 PERF INT 565'-625'
04J05 PERF INT 140'-150'
04J05 DRY
04J02 DRY

Figure 1-3-32

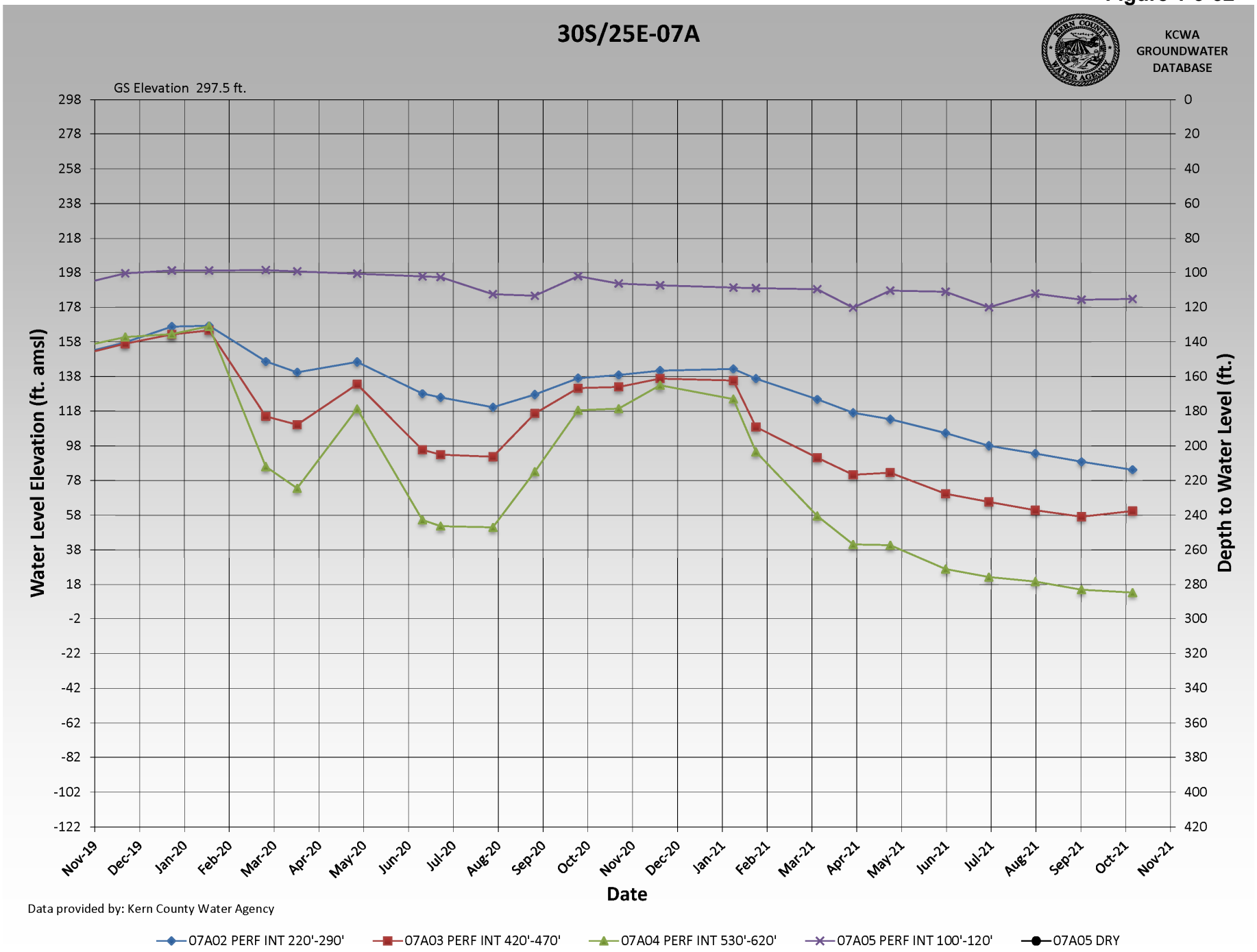

30S/25E-07A
KCWA GROUNDWATER DATABASE
GS Elevation 297.5 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
298
278
258
238
218
198
178
158
138
118
98
78
58
38
18
-2
-22
-42
-62
-82
-102
-122
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Kern County Water Agency
07A02 PERF INT 220'-290'
07A03 PERF INT 420'-470'
07A04 PERF INT 530'-620'
07A05 PERF INT 100'-120'
07A05 DRY

Figure 1-3-33

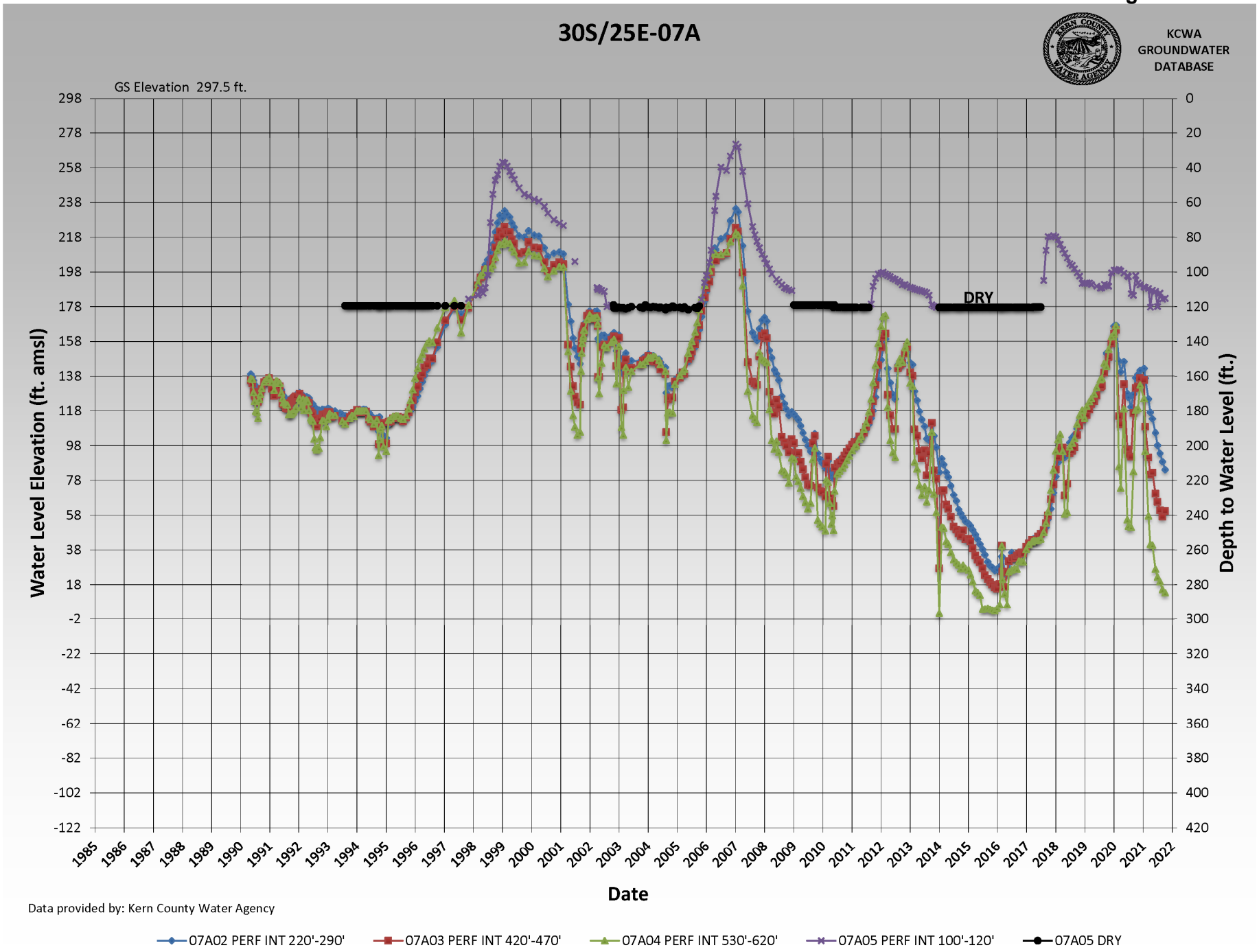

30S/25E-07A
KCWA GROUNDWATER DATABASE
GS Elevation 297.5 ft.
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Kern County Water Agency
07A02 PERF INT 220'-290'
07A03 PERF INT 420'-470'
07A04 PERF INT 530'-620'
07A05 PERF INT 100'-120'
07A05 DRY

Figure 1-3-34

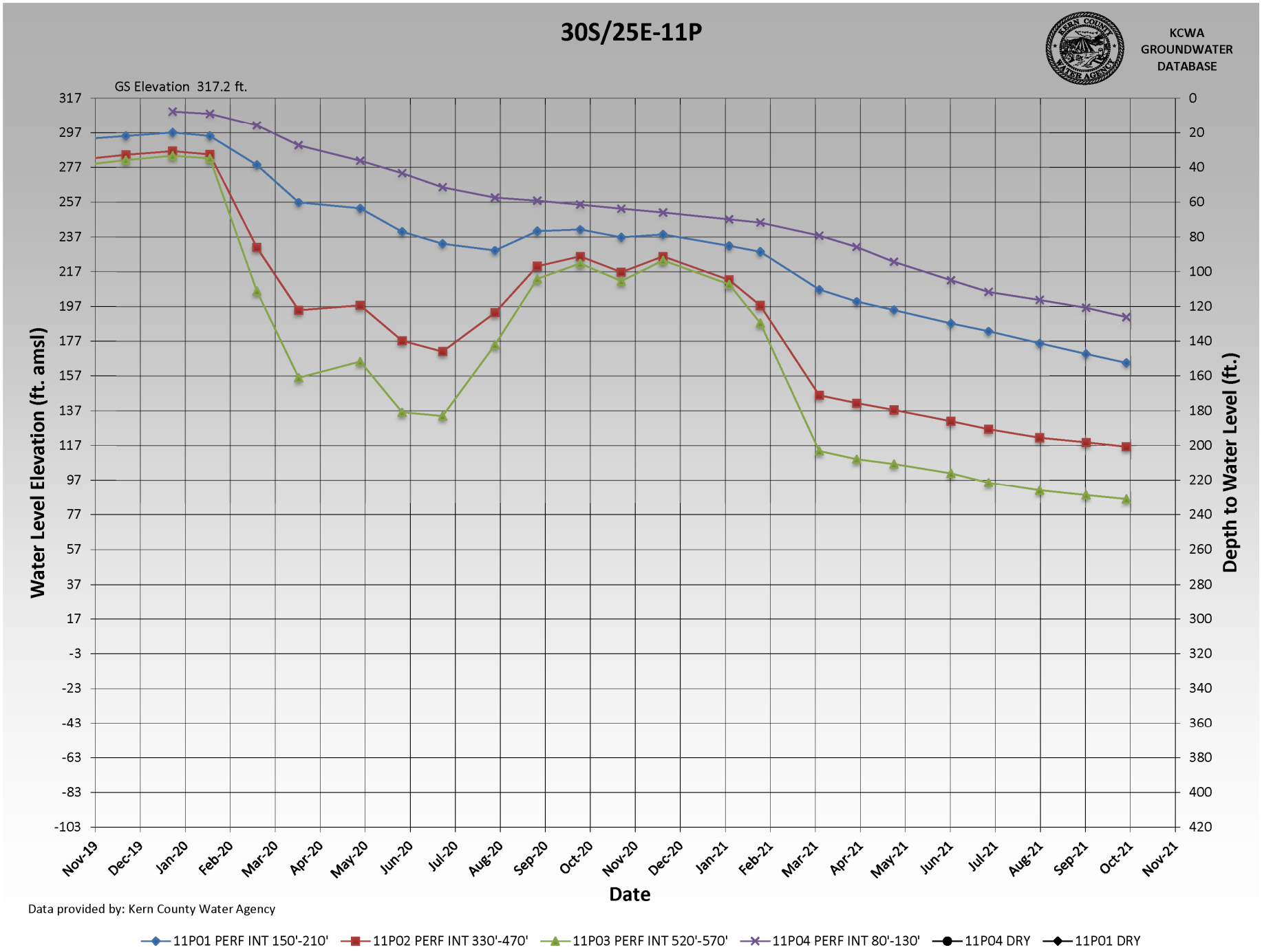

30S/25E-11P
KCWA GROUNDWATER DATABASE
GS Elevation 317.2 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
317
297
277
257
237
217
197
177
157
137
117
97
77
57
37
17
-3
-23
-43
-63
-83
-103
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Nov-21
Date
Data provided by: Kern County Water Agency
11P01 PERF INT 150'-210'
11P02 PERF INT 330'-470'
11P03 PERF INT 520'-570'
11P04 PERF INT 80'-130'
11P04 DRY
11P01 DRY

Figure 1-3-35

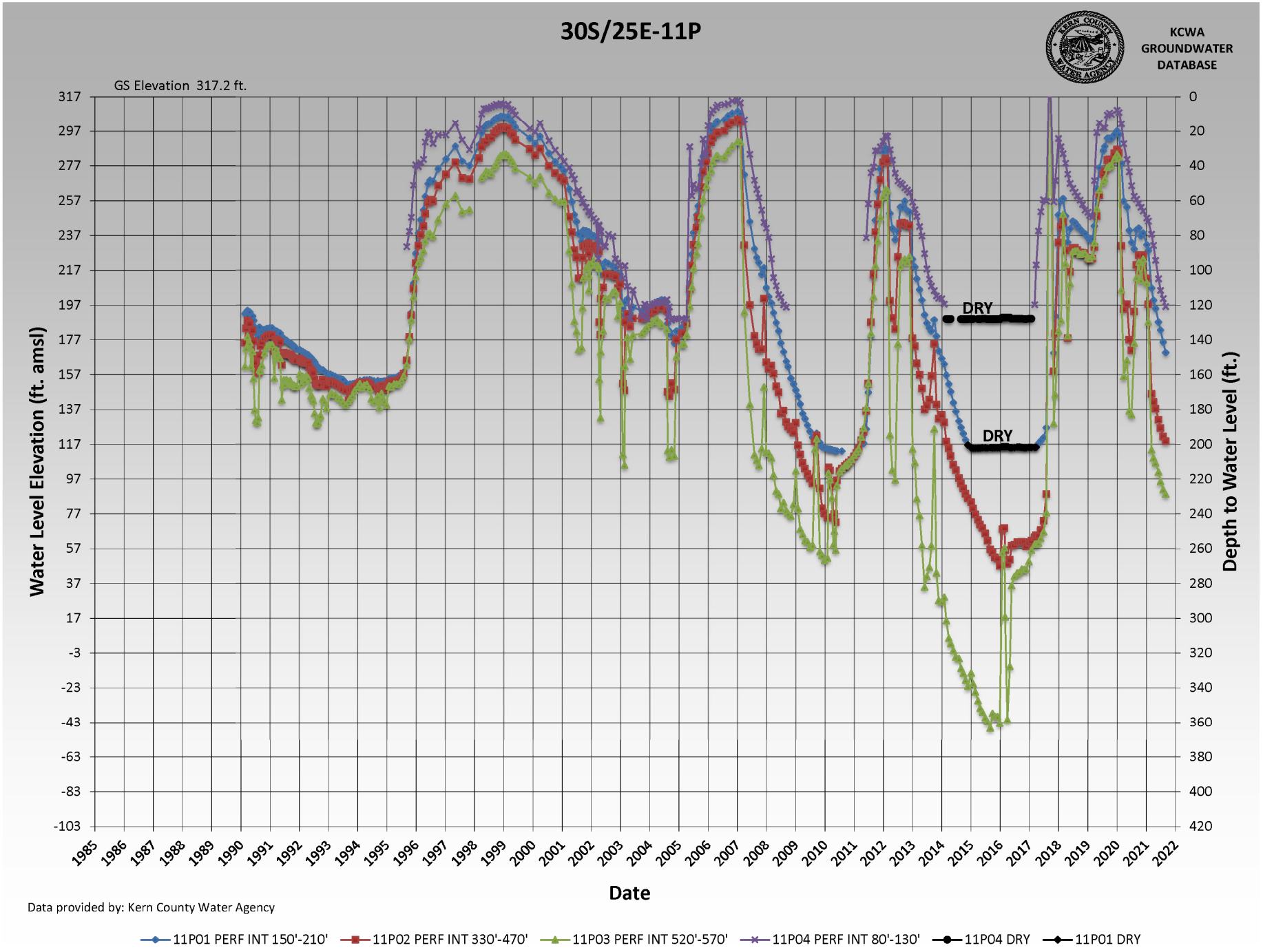

30S/25E-11P
KCWA GROUNDWATER DATABASE
GS Elevation 317.2 ft.
DRY
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
317
297
277
257
237
217
197
177
157
137
117
97
77
57
37
17
-3
-23
-43
-63
-83
-103
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
11P01 PERF INT 150'-210'
11P02 PERF INT 330'-470'
11P03 PERF INT 520'-570'
11P04 PERF INT 80'-130'
11P04 DRY
11P01 DRY

Figure 1-3-36

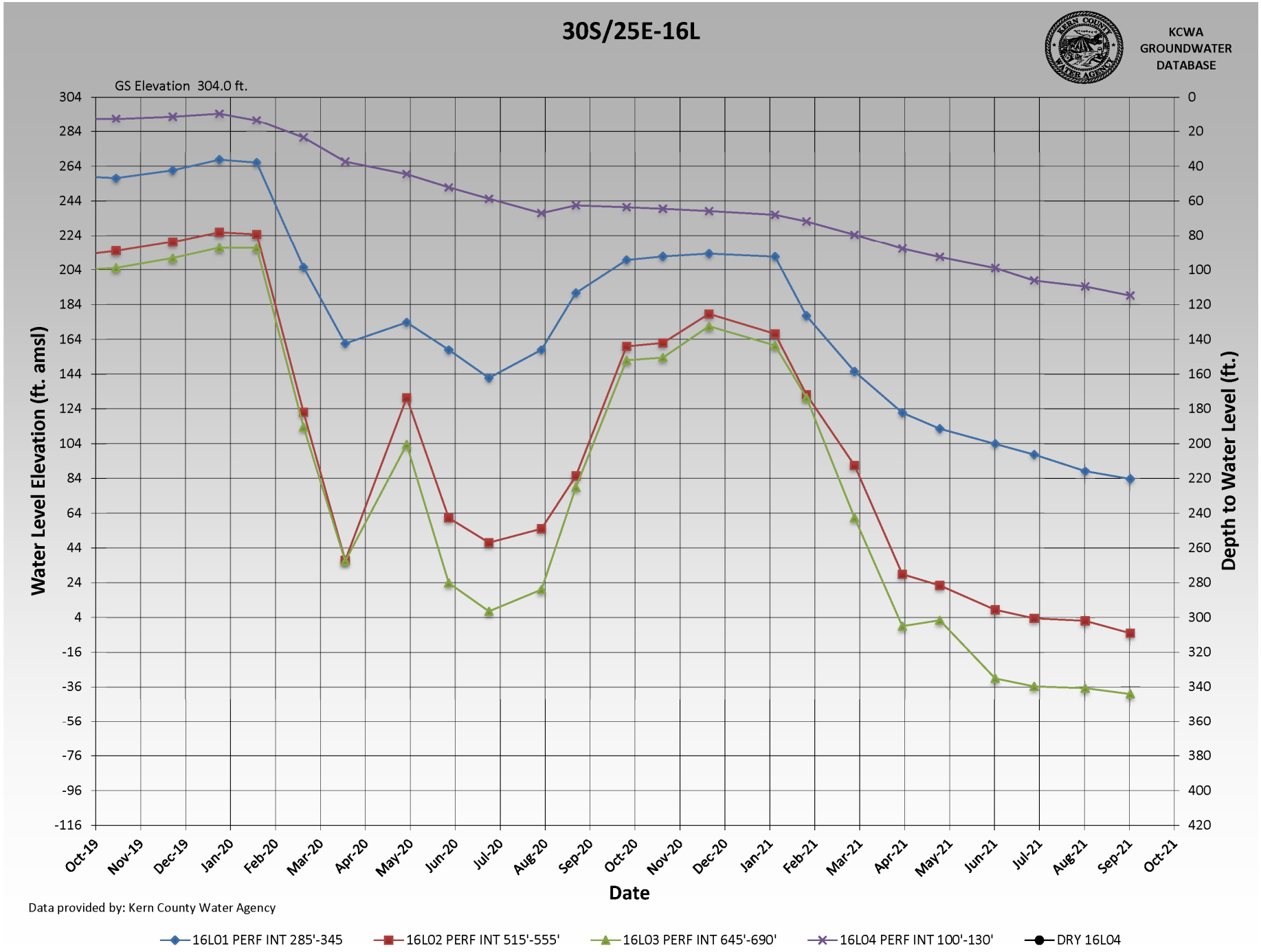

30S/25E-16L
KCWA GROUNDWATER DATABASE
GS Elevation 304.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
304
284
264
244
224
204
184
164
144
124
104
84
64
44
24
4
-16
-36
-56
-76
-96
-116
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
16L01 PERF INT 285'-345
16L02 PERF INT 515'-555'
16L03 PERF INT 645'-690'
16L04 PERF INT 100'-130'
DRY 16L04

Figure 1-3-37

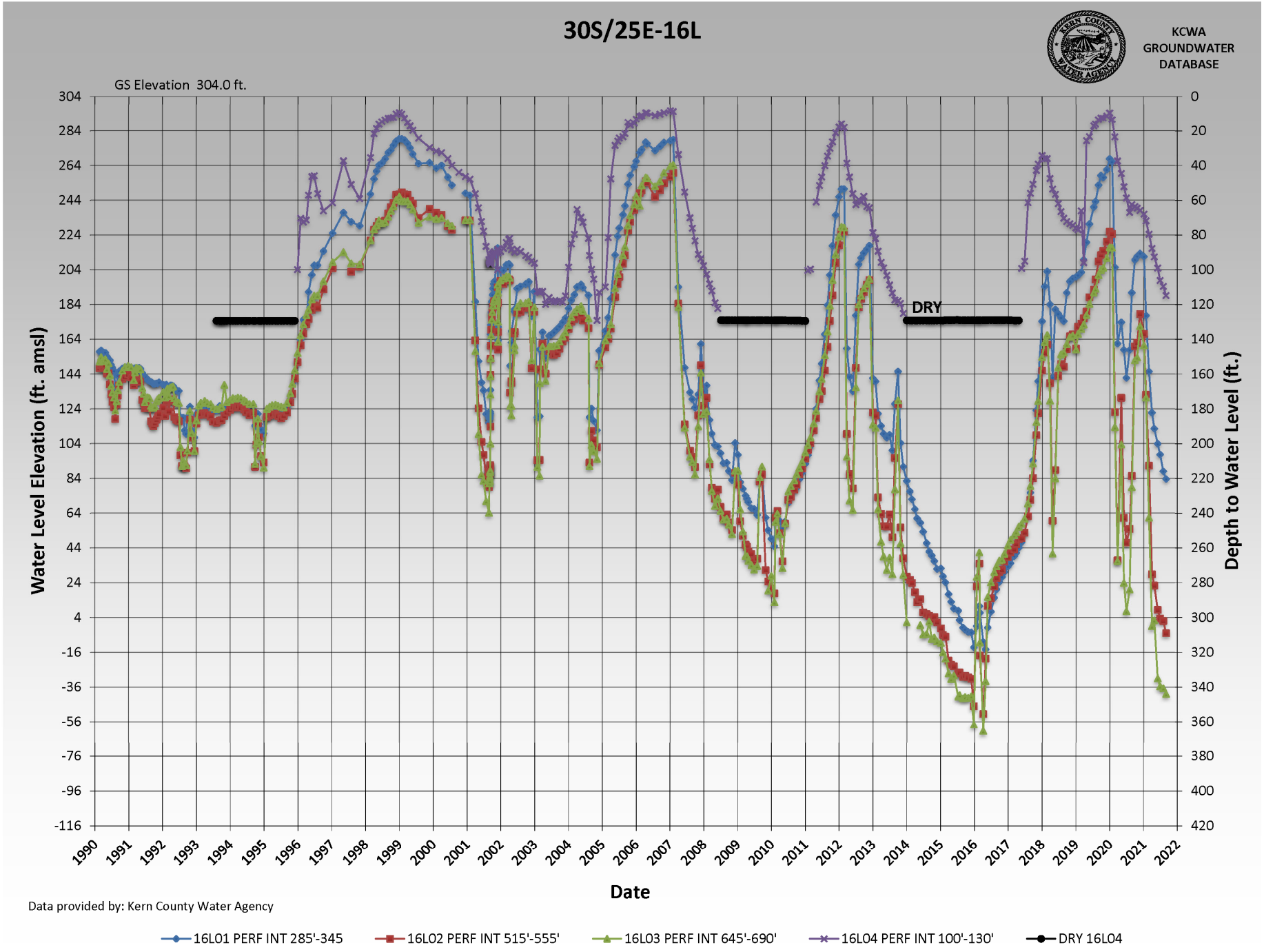

30S/25E-16L
KCWA GROUNDWATER DATABASE
GS Elevation 304.0 ft.
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Kern County Water Agency
16L01 PERF INT 285'-345
16L02 PERF INT 515'-555'
16L03 PERF INT 645'-690'
16L04 PERF INT 100'-130'
DRY 16L04

Figure 1-3-38

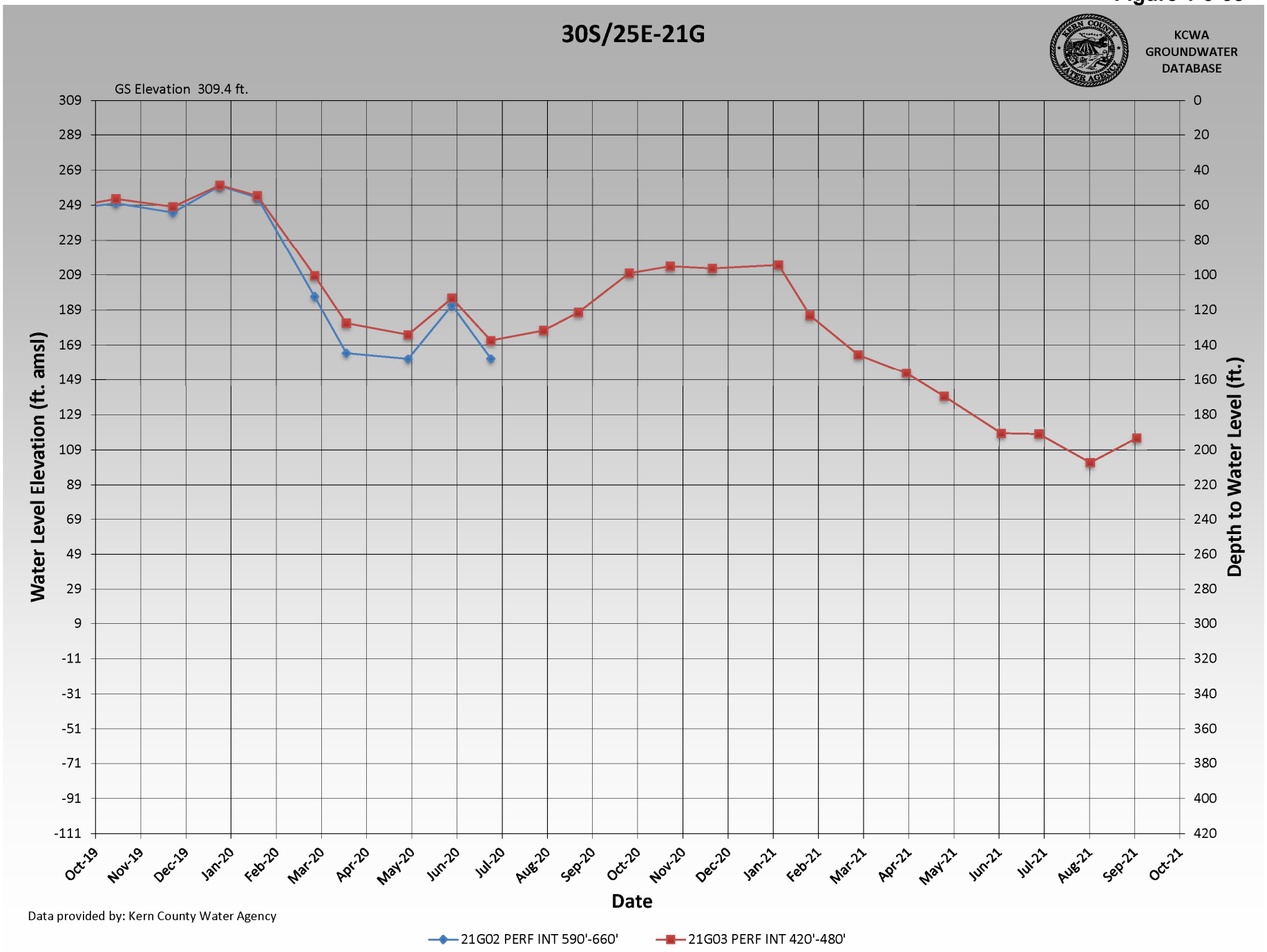

30S/25E-21G
KCWA GROUNDWATER DATABASE
GS Elevation 309.4 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
309
289
269
249
229
209
189
169
149
129
109
89
69
49
29
9
-11
-31
-51
-71
-91
-111
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
21G02 PERF INT 590'-660'
21G03 PERF INT 420'-480'

Figure 1-3-39

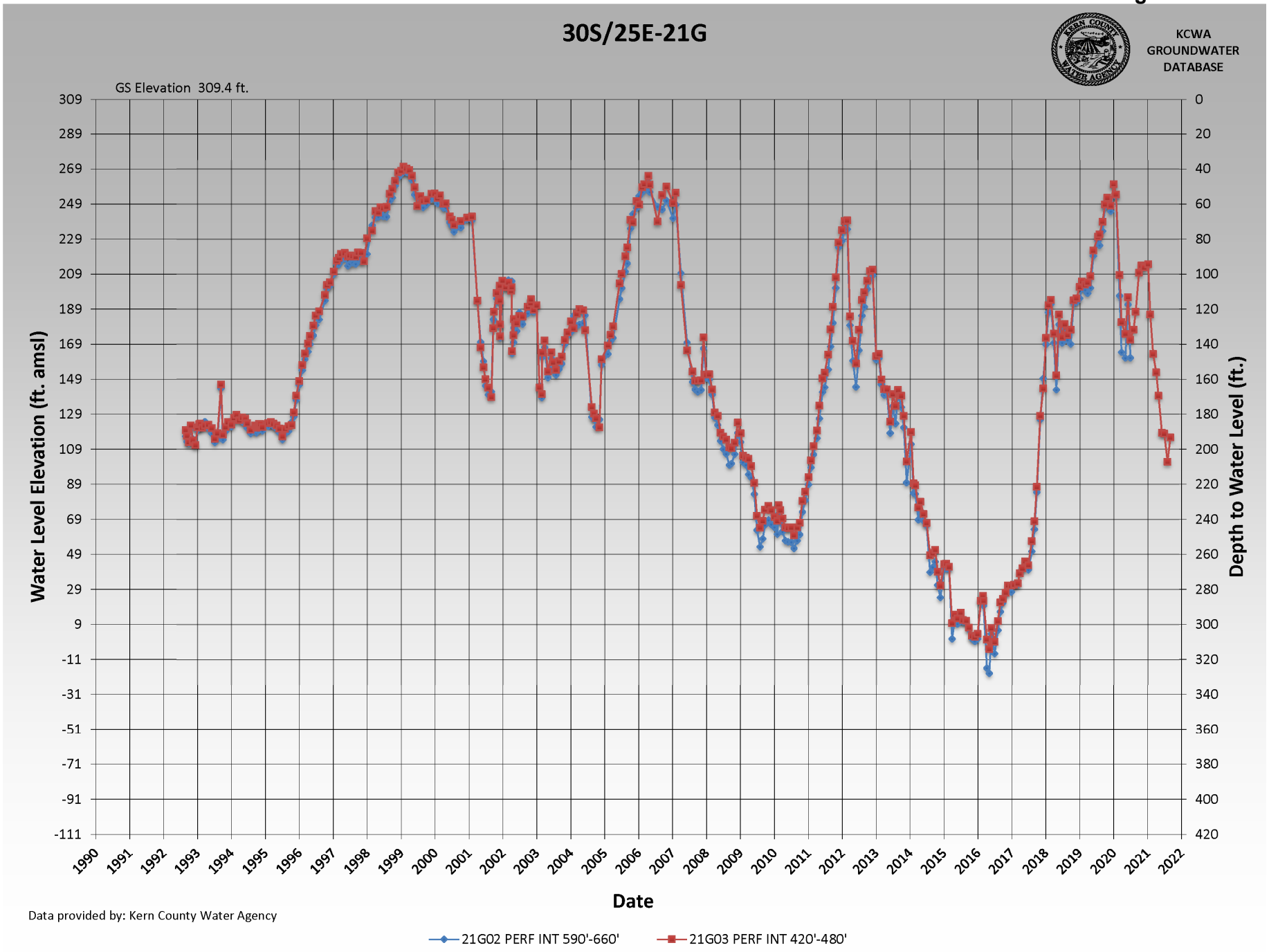

30S/25E-21G
KCWA GROUNDWATER DATABASE
GS Elevation 309.4 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
309
289
269
249
229
209
189
169
149
129
109
89
69
49
29
9
-11
-31
-51
-71
-91
-111
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
21G02 PERF INT 590'-660'
21G03 PERF INT 420'-480'

Figure 1-3-40

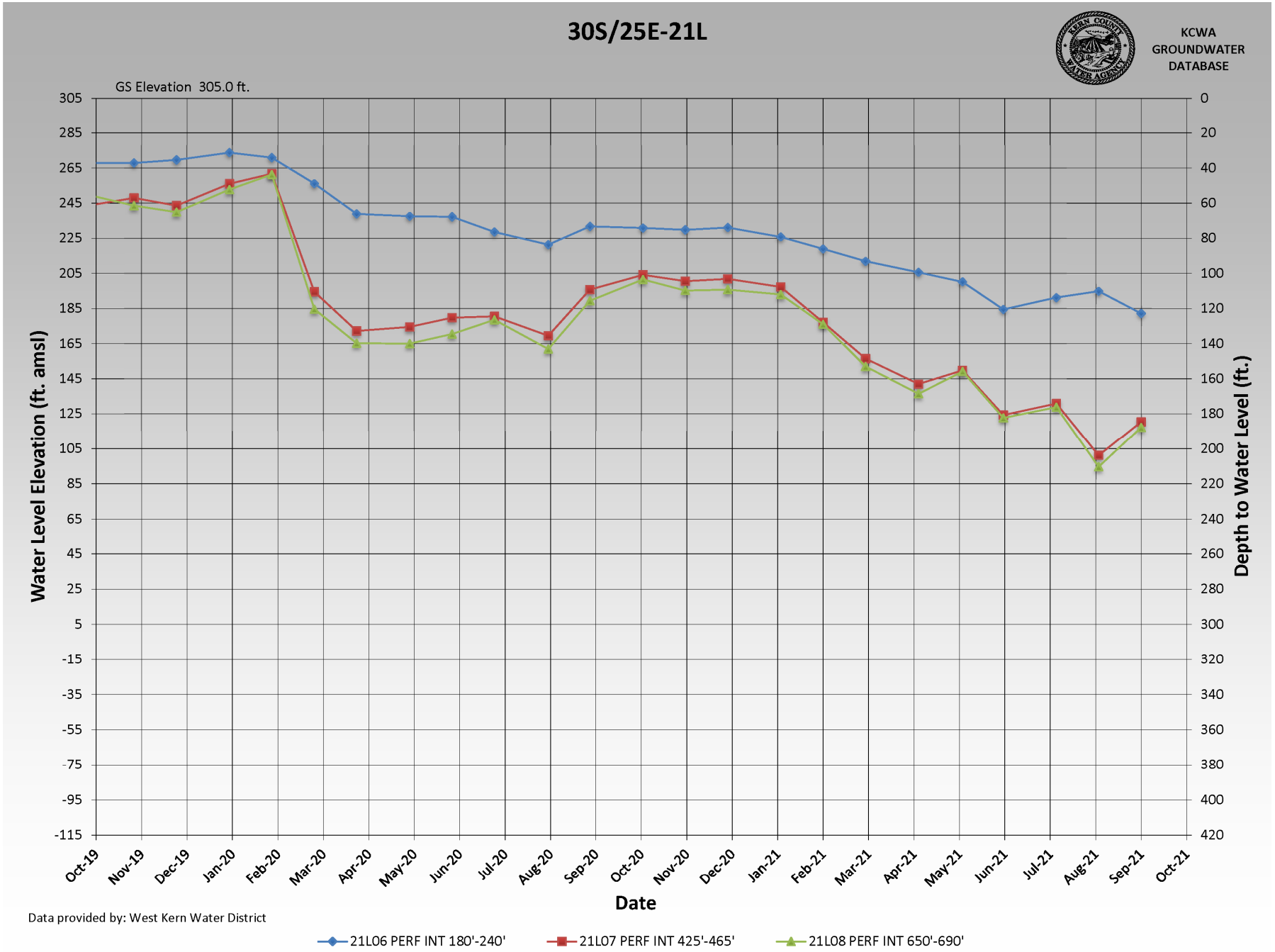

30S/25E-21L
KCWA GROUNDWATER DATABASE
GS Elevation 305.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
305
285
265
245
225
205
185
165
145
125
105
85
65
45
25
5
-15
-35
-55
-75
-95
-115
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: West Kern Water District
21L06 PERF INT 180'-240'
21L07 PERF INT 425'-465'
21L08 PERF INT 650'-690'

Figure 1-3-41

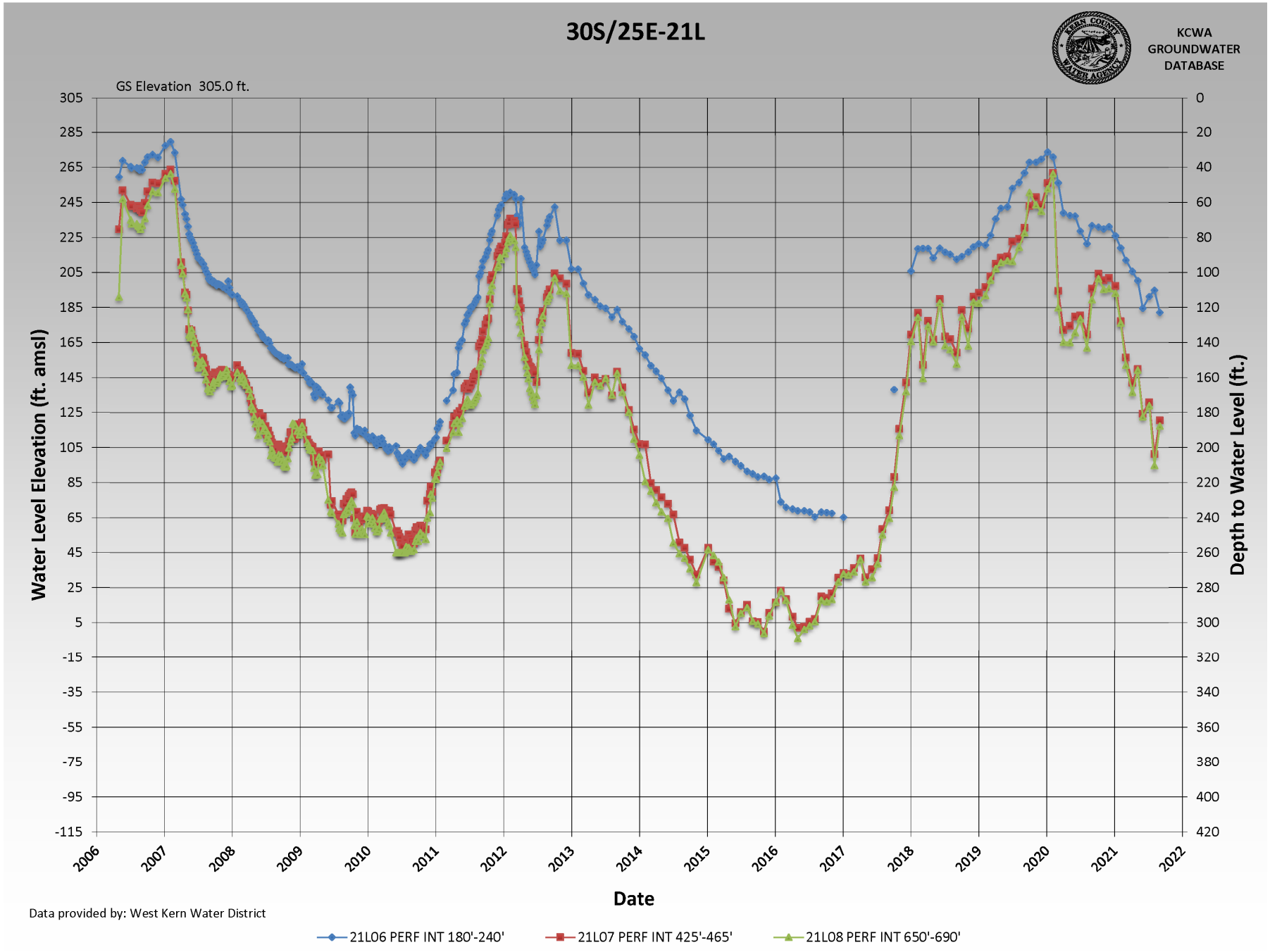

30S/25E-21L
KCWA GROUNDWATER DATABASE
GS Elevation 305.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
305
285
265
245
225
205
185
165
145
125
105
85
65
45
25
5
-15
-35
-55
-75
-95
-115
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Data provided by: West Kern Water District
21L06 PERF INT 180'-240'
21L07 PERF INT 425'-465'
21L08 PERF INT 650'-690'

Figure 1-3-42

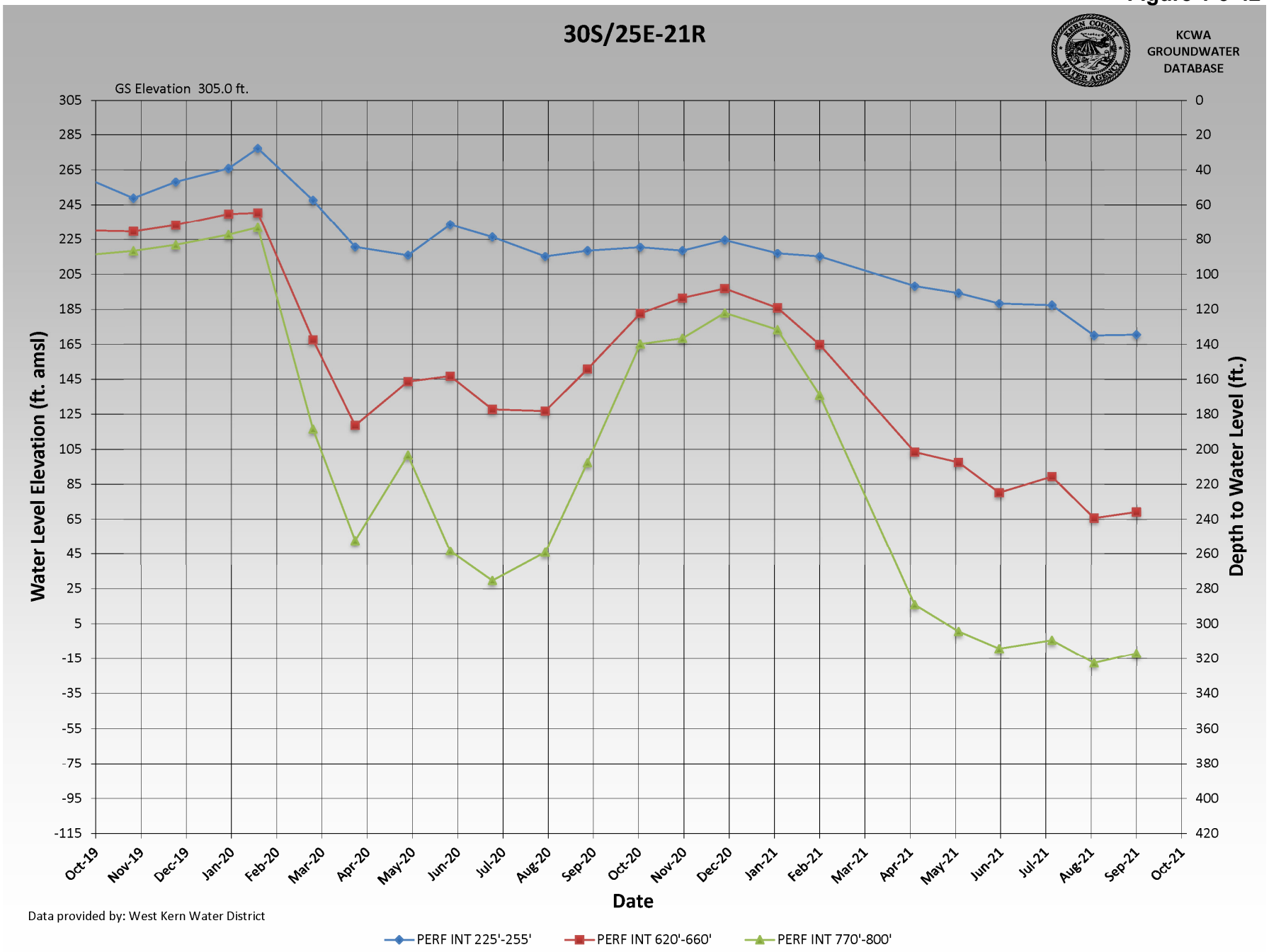

30S/25E-21R
KCWA GROUNDWATER DATABASE
GS Elevation 305.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
305
285
265
245
225
205
185
165
145
125
105
85
65
45
25
5
-15
-35
-55
-75
-95
-115
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: West Kern Water District
PERF INT 225'-255'
PERF INT 620'-660'
PERF INT 770'-800'

Figure 1-3-43

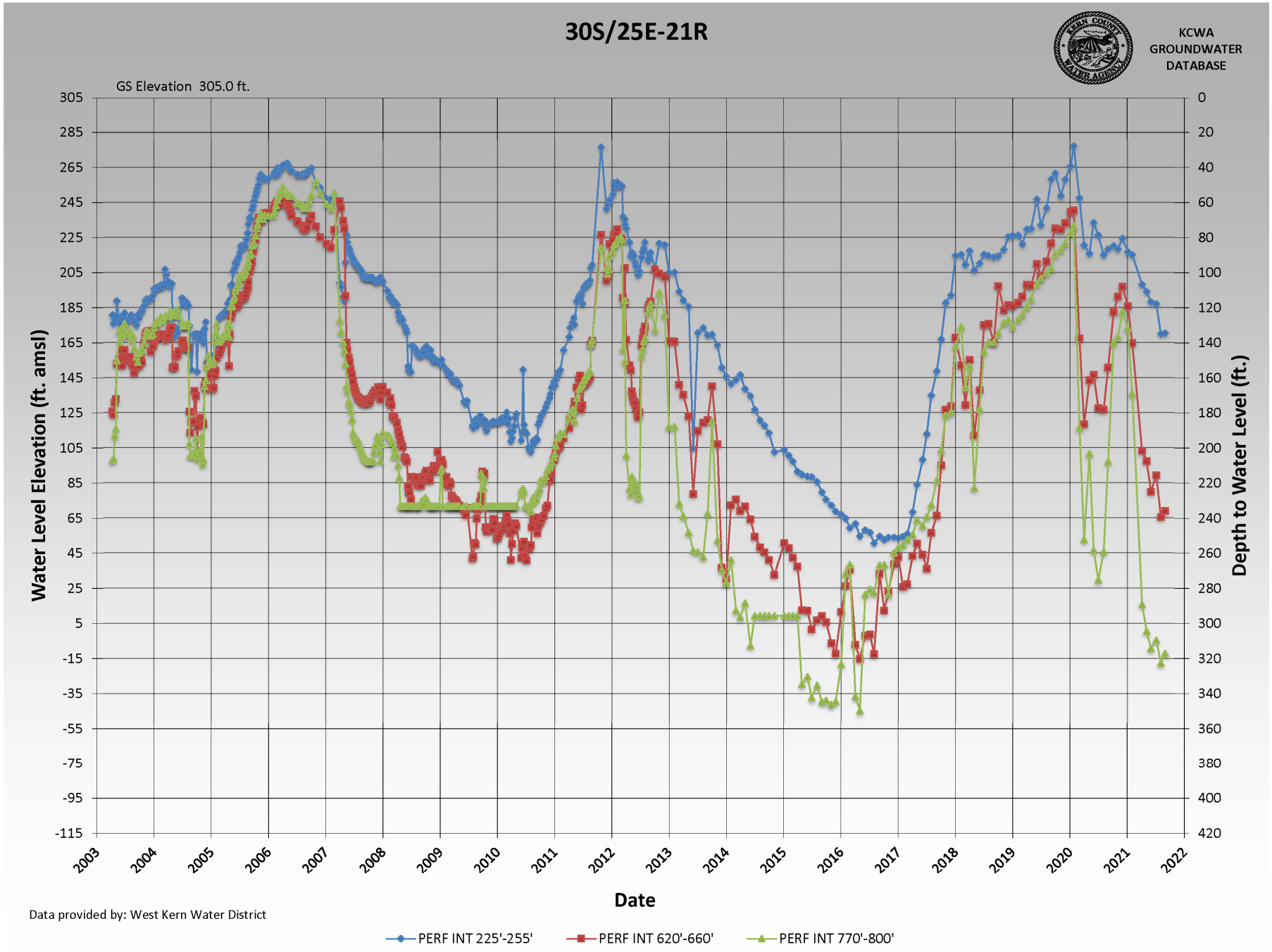

30S/25E-21R
KCWA GROUNDWATER DATABASE
GS Elevation 305.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
305
285
265
245
225
205
185
165
145
125
105
85
65
45
25
5
-15
-35
-55
-75
-95
-115
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: West Kern Water District
PERF INT 225'-255'
PERF INT 620'-660'
PERF INT 770'-800'

Figure 1-3-44

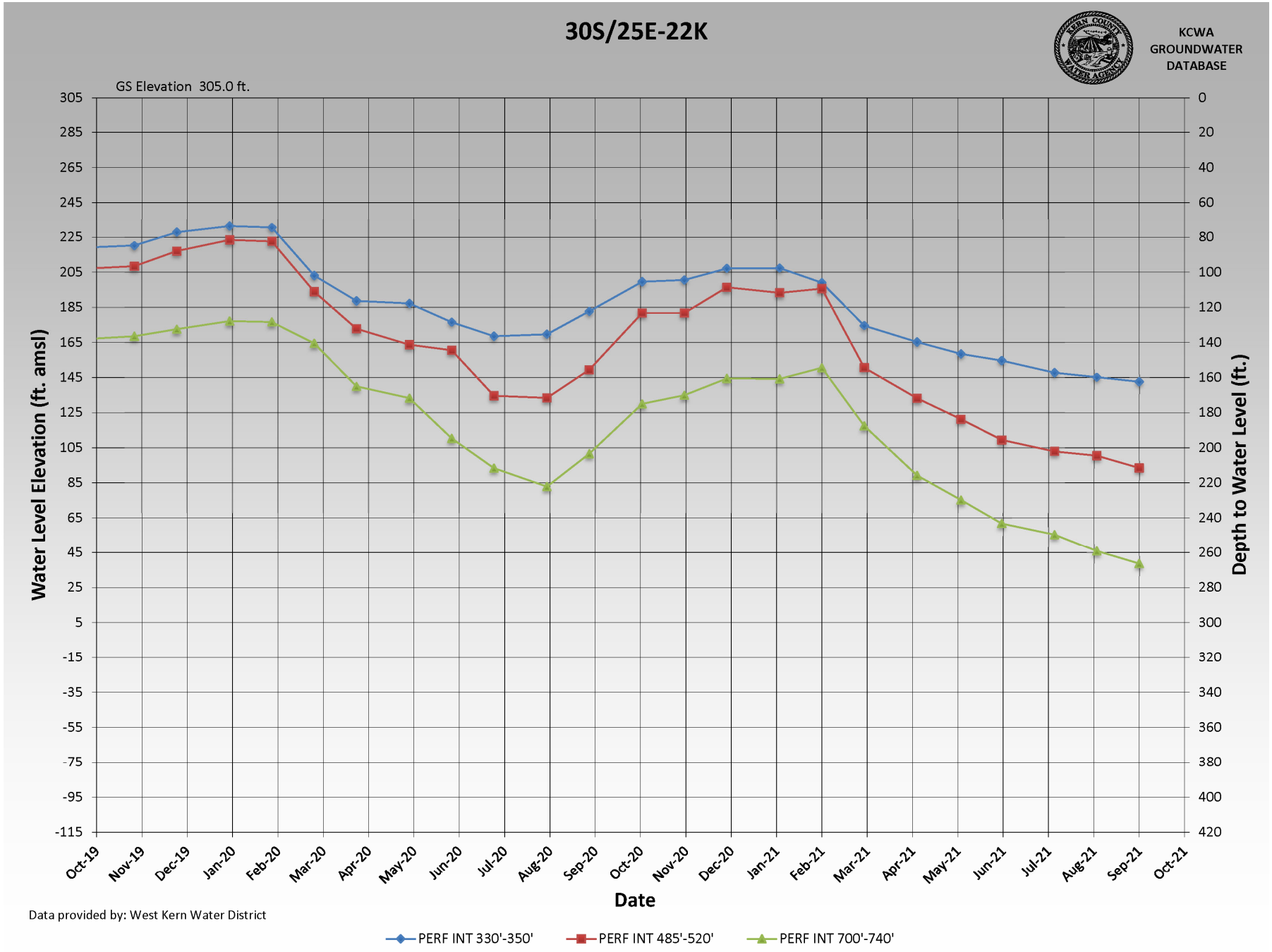

30S/25E-22K
KCWA GROUNDWATER DATABASE
GS Elevation 305.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
305
285
265
245
225
205
185
165
145
125
105
85
65
45
25
5
-15
-35
-55
-75
-95
-115
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: West Kern Water District
PERF INT 330'-350'
PERF INT 485'-520'
PERF INT 700'-740'

Figure 1-3-45

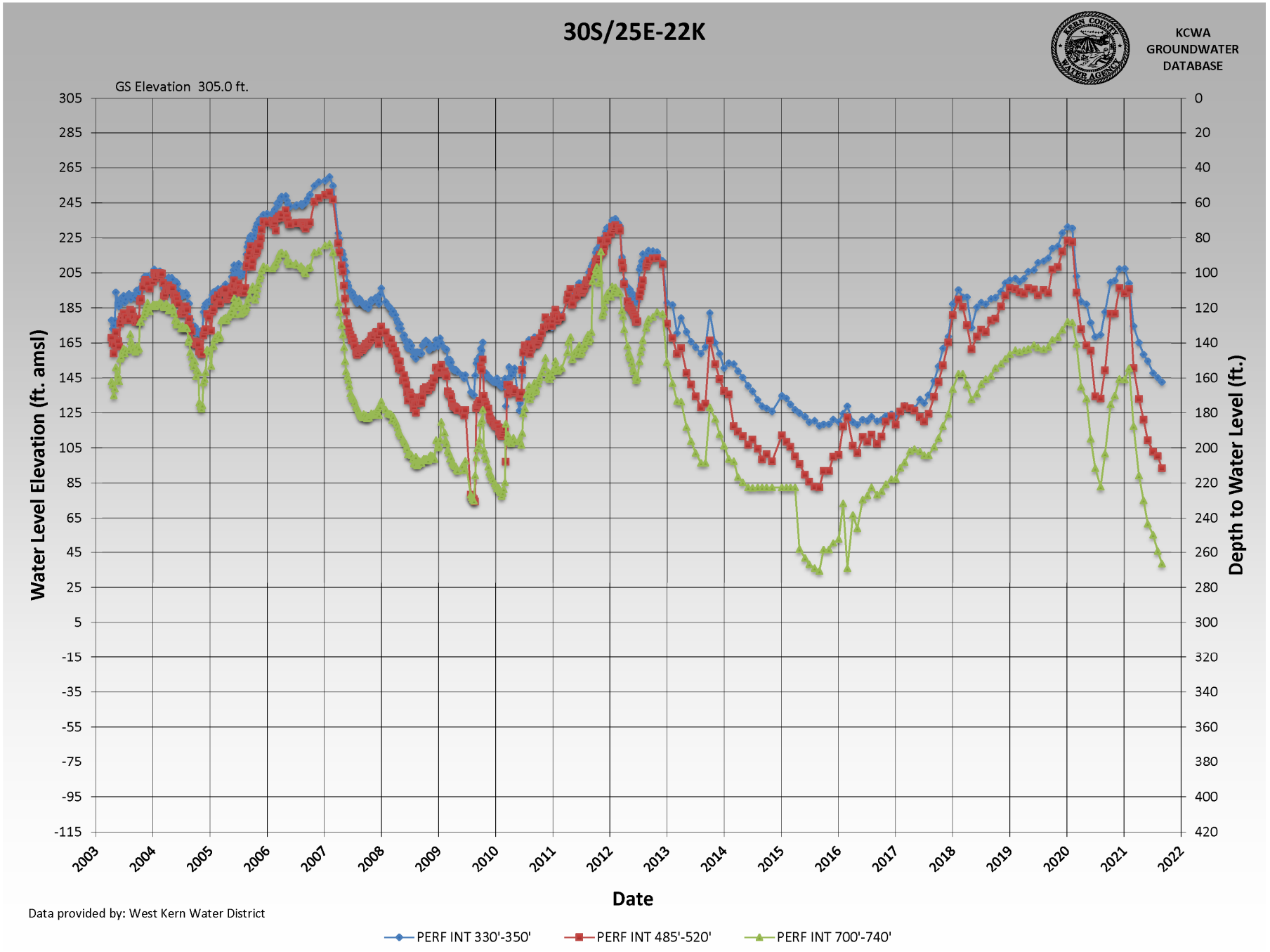

30S/25E-22K
KCWA GROUNDWATER DATABASE
GS Elevation 305.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
305
285
265
245
225
205
185
165
145
125
105
85
65
45
25
5
-15
-35
-55
-75
-95
-115
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Data provided by: West Kern Water District
PERF INT 330'-350'
PERF INT 485'-520'
PERF INT 700'-740'

Figure 1-3-46

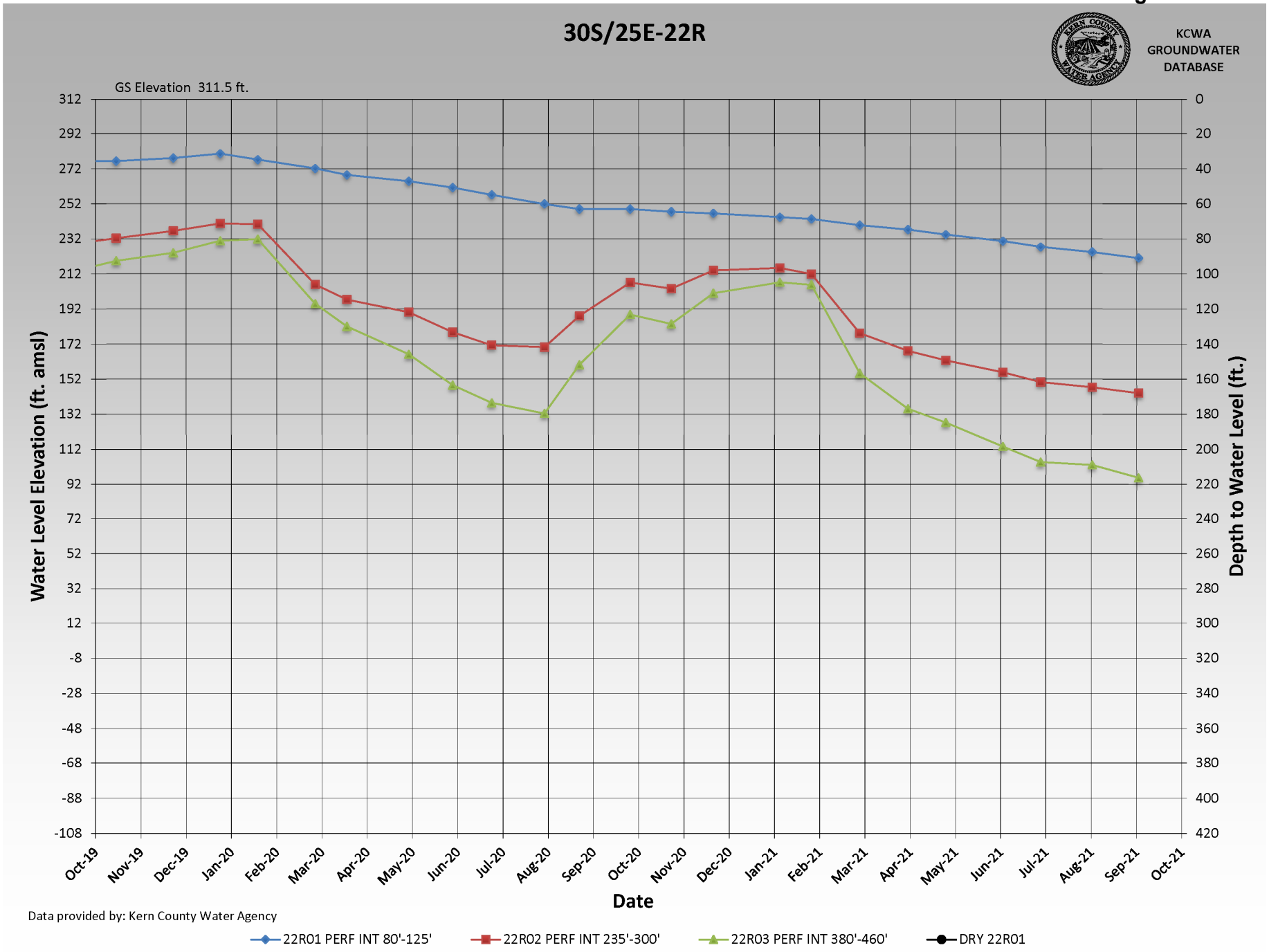

30S/25E-22R
KCWA GROUNDWATER DATABASE
GS Elevation 311.5 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
312
292
272
252
232
212
192
172
152
132
112
92
72
52
32
12
-8
-28
-48
-68
-88
-108
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
22R01 PERF INT 80'-125'
22R02 PERF INT 235'-300'
22R03 PERF INT 380'-460'
DRY 22R01

Figure 1-3-47

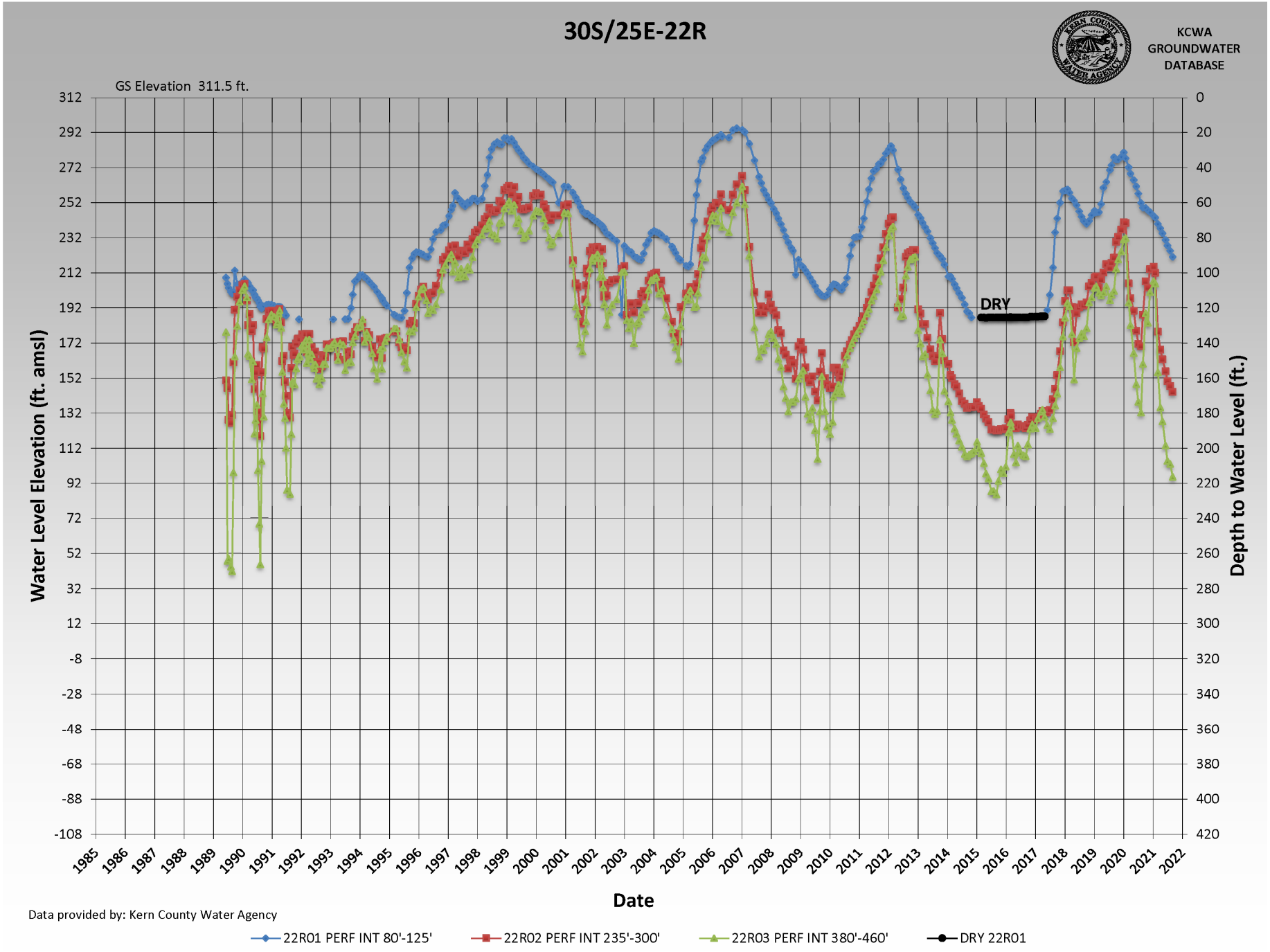

30S/25E-22R
KCWA GROUNDWATER DATABASE
GS Elevation 311.5 ft.
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Kern County Water Agency
22R01 PERF INT 80'-125'
22R02 PERF INT 235'-300'
22R03 PERF INT 380'-460'
DRY 22R01

Figure 1-3-48

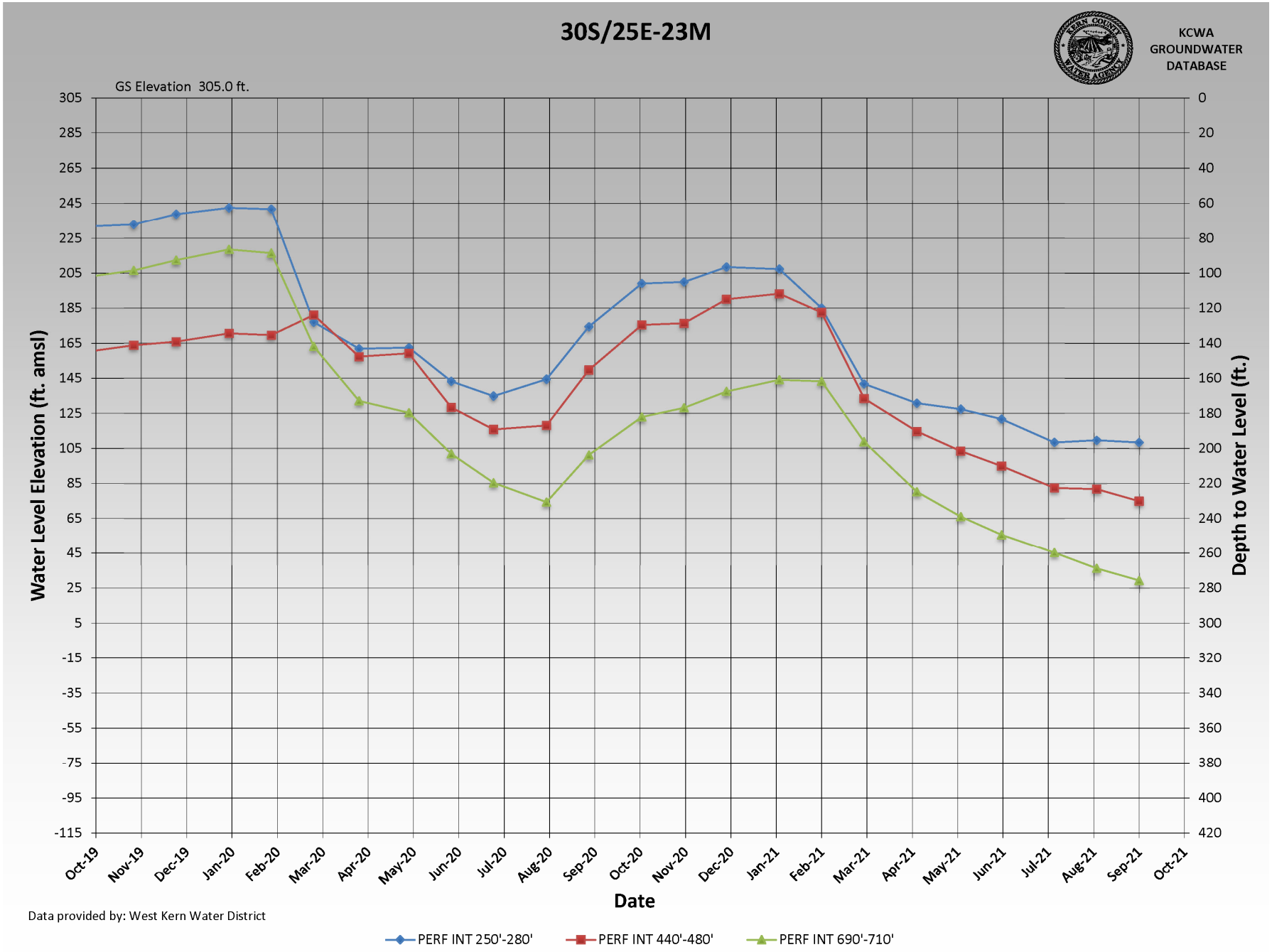

30S/25E-23M
KCWA GROUNDWATER DATABASE
GS Elevation 305.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
305
285
265
245
225
205
185
165
145
125
105
85
65
45
25
5
-15
-35
-55
-75
-95
-115
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: West Kern Water District
PERF INT 250'-280'
PERF INT 440'-480'
PERF INT 690'-710'

Figure 1-3-49

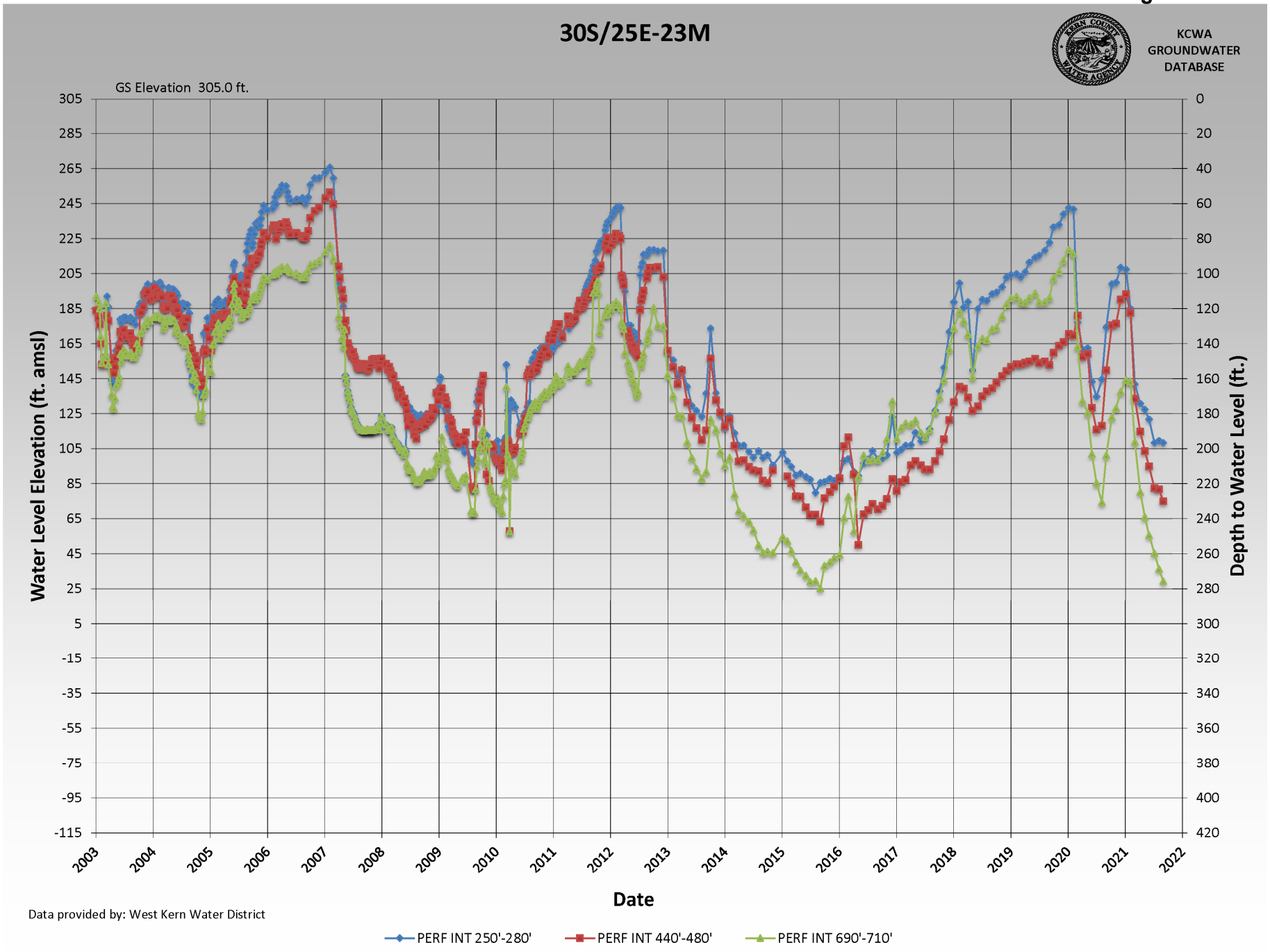

30S/25E-23M
KCWA GROUNDWATER DATABASE
GS Elevation 305.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
305
285
265
245
225
205
185
165
145
125
105
85
65
45
25
5
-15
-35
-55
-75
-95
-115
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: West Kern Water District
PERF INT 250'-280'
PERF INT 440'-480'
PERF INT 690'-710'

Figure 1-3-50

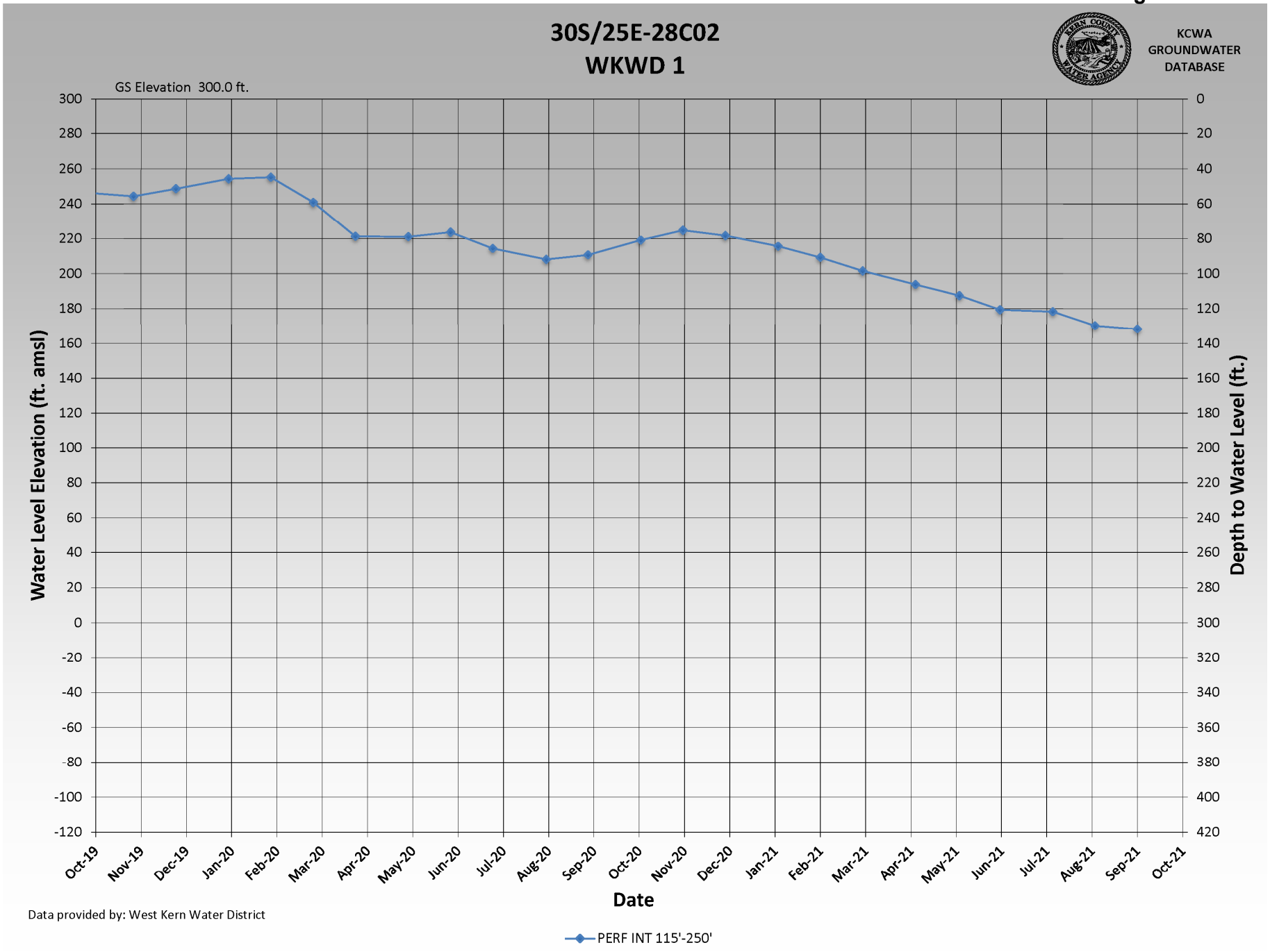

30S/25E-28C02
WKWD 1
KCWA
GROUNDWATER
DATABASE
GS Elevation 300.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
-20
-40
-60
-80
-100
-120
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: West Kern Water District
PERF INT 115'-250'

Figure 1-3-51

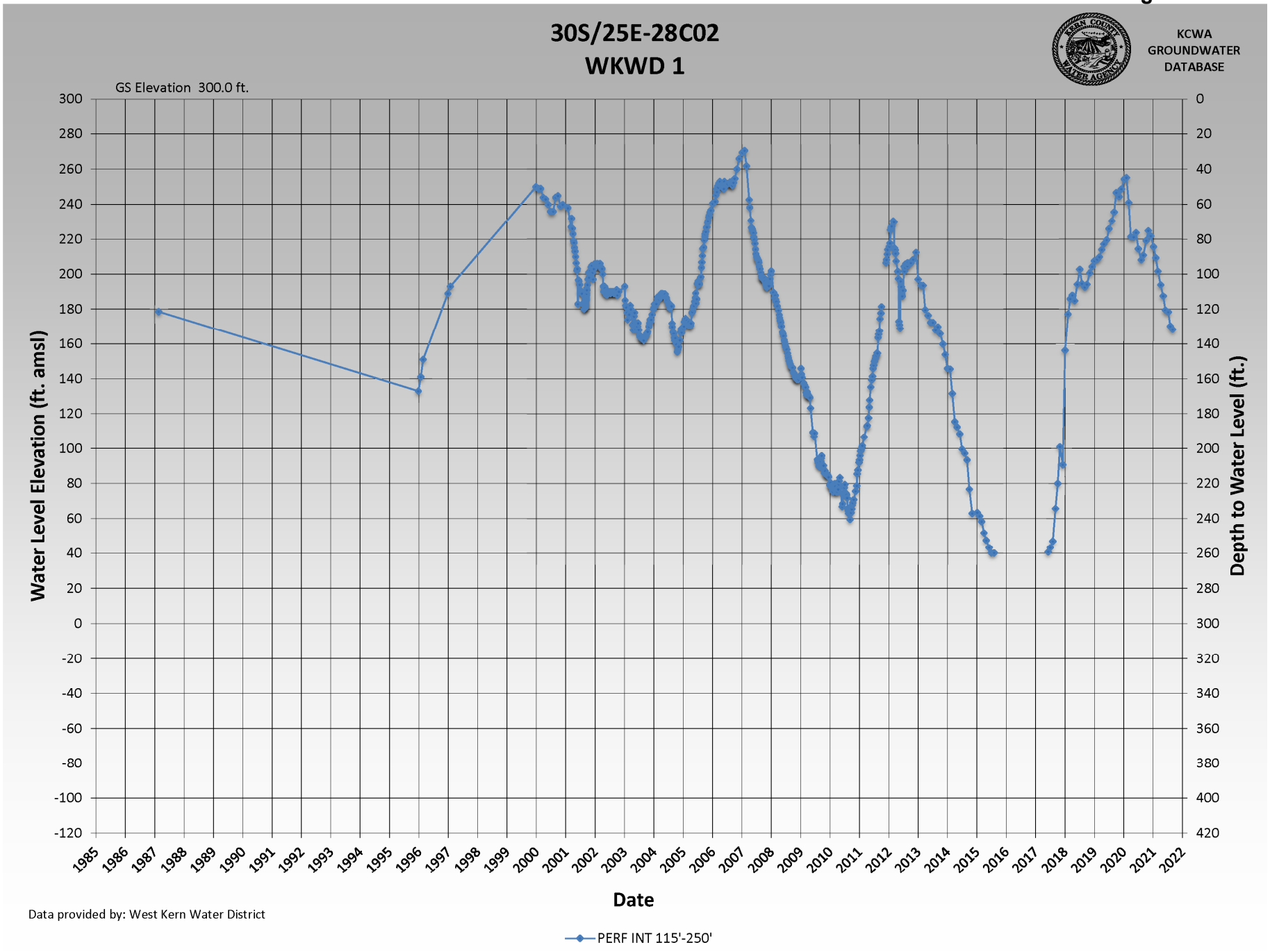

30S/25E-28C02
WKWD 1
KCWA
GROUNDWATER
DATABASE
GS Elevation 300.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
-20
-40
-60
-80
-100
-120
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: West Kern Water District
PERF INT 115'-250'

Figure 1-3-52

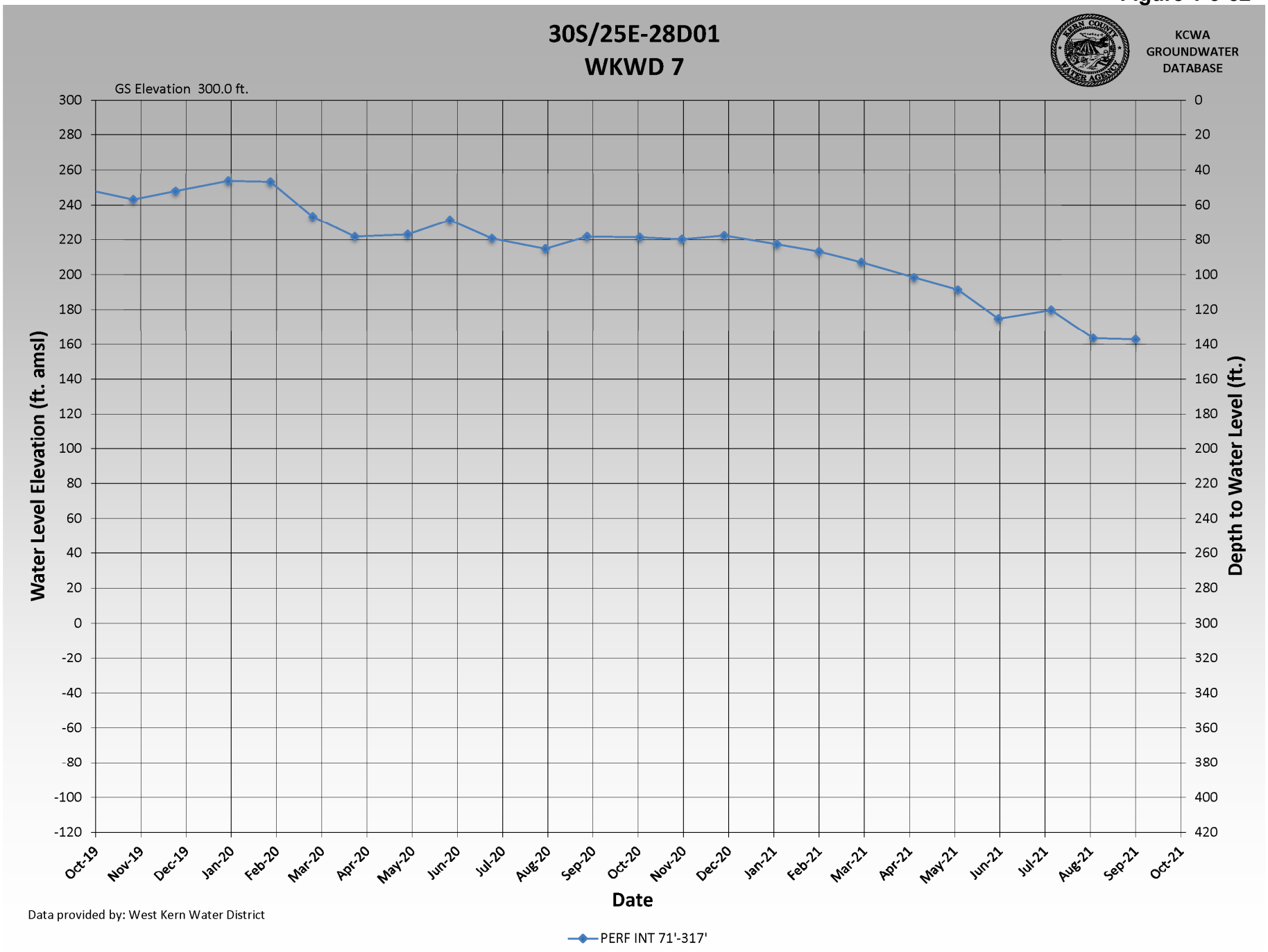

30S/25E-28D01
WKWD 7
KCWA
GROUNDWATER
DATABASE
GS Elevation 300.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
-20
-40
-60
-80
-100
-120
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: West Kern Water District
PERF INT 71'-317'

Figure 1-3-53

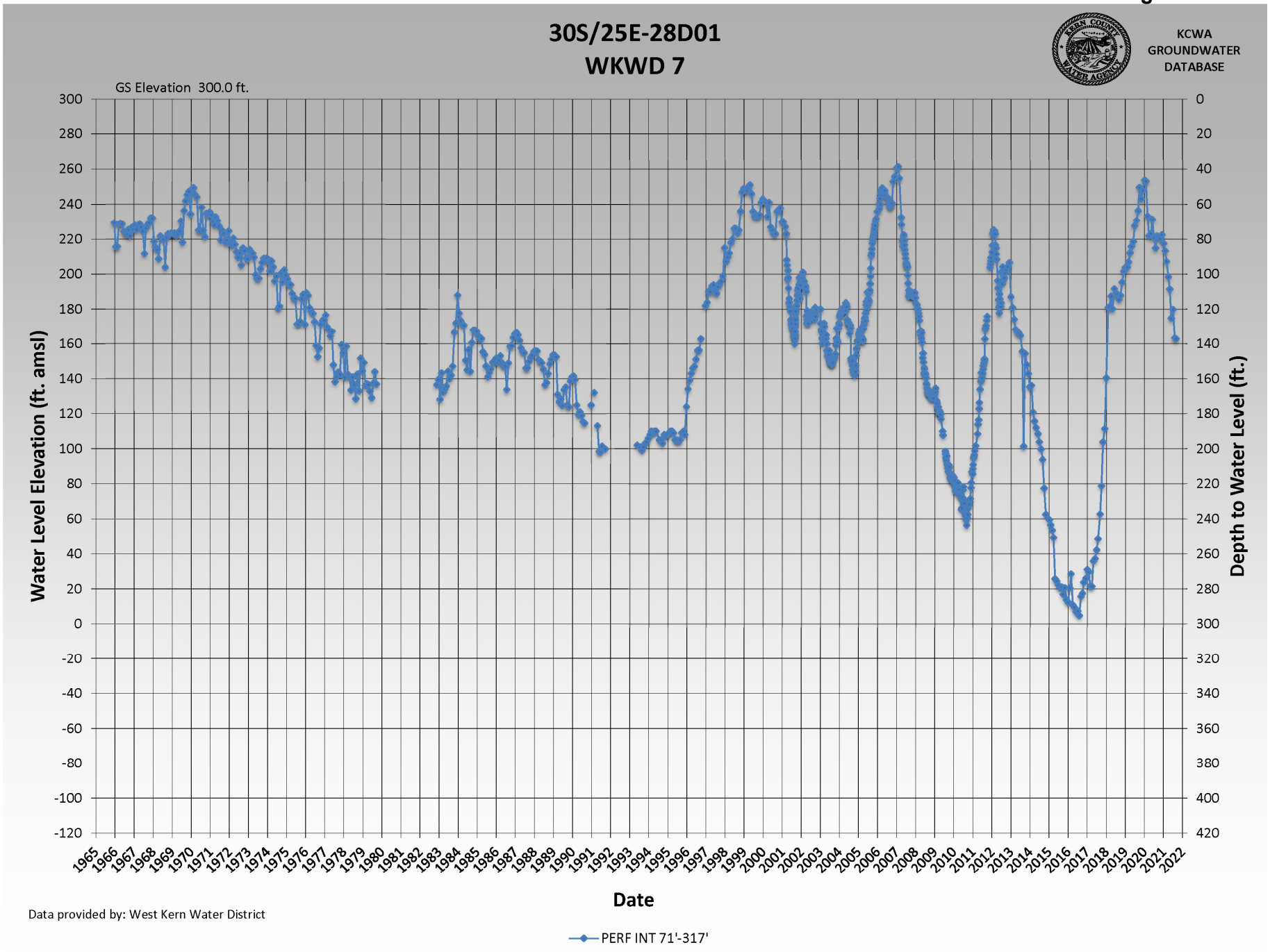

30S/25E-28D01
WKWD 7
KCWA
GROUNDWATER
DATABASE
GS Elevation 300.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: West Kern Water District
PERF INT 71'-317'

Figure 1-3-54

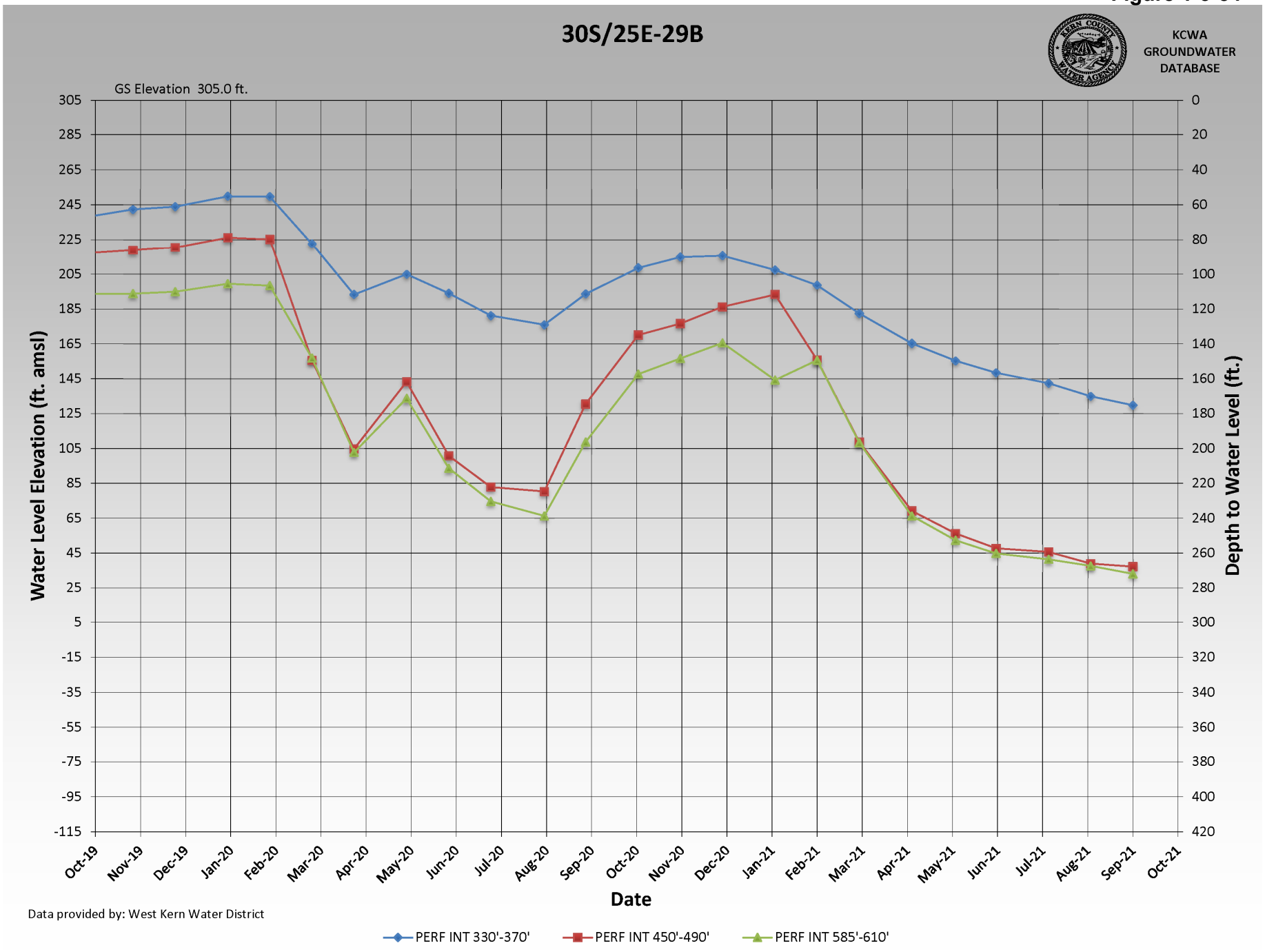

30S/25E-29B
KCWA GROUNDWATER DATABASE
GS Elevation 305.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
305
285
265
245
225
205
185
165
145
125
105
85
65
45
25
5
-15
-35
-55
-75
-95
-115
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: West Kern Water District
PERF INT 330'-370'
PERF INT 450'-490'
PERF INT 585'-610'

Figure 1-3-55

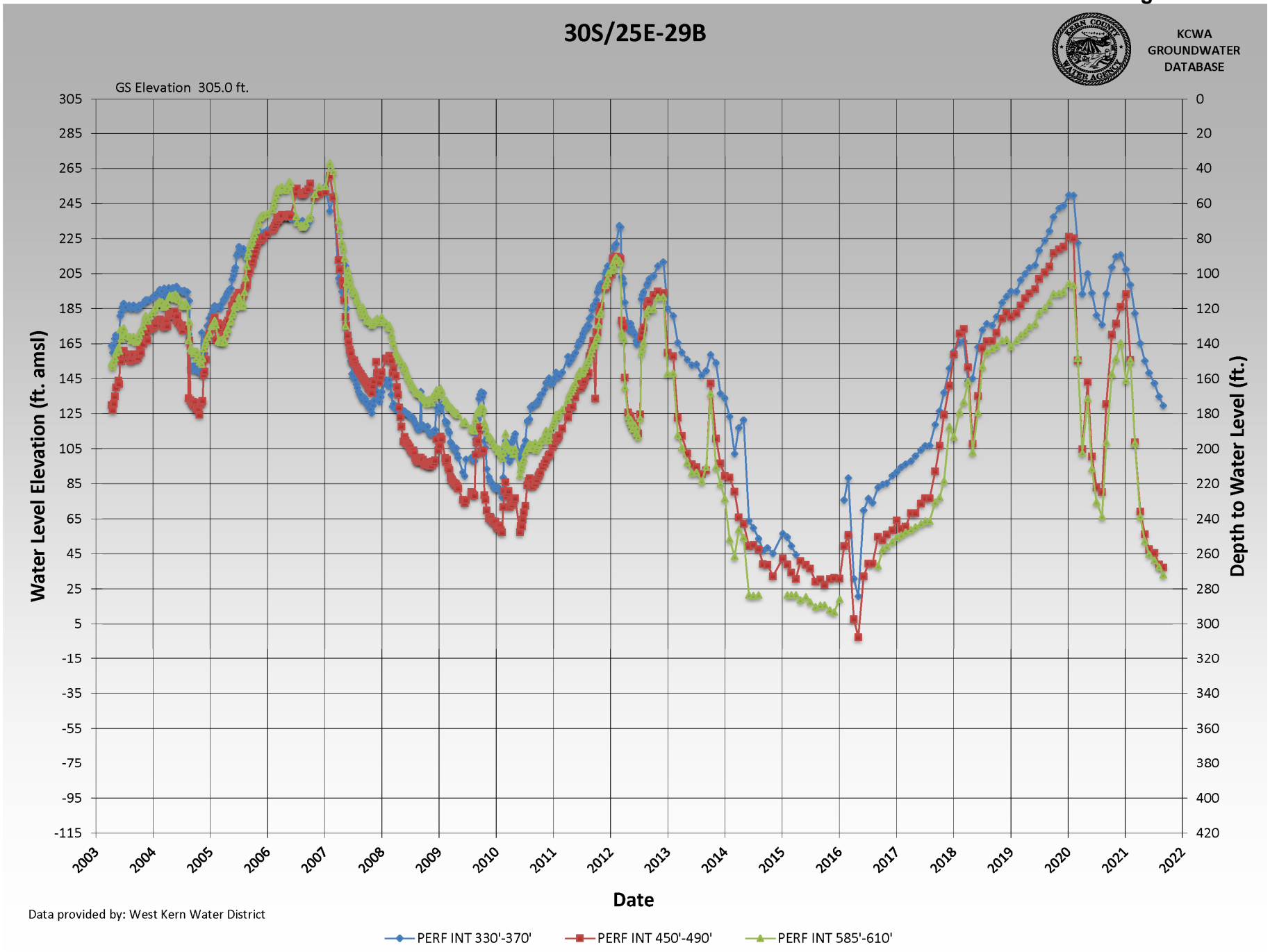

30S/25E-29B
KCWA GROUNDWATER DATABASE
GS Elevation 305.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
305
285
265
245
225
205
185
165
145
125
105
85
65
45
25
5
-15
-35
-55
-75
-95
-115
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: West Kern Water District
PERF INT 330'-370'
PERF INT 450'-490'
PERF INT 585'-610'

Figure 1-3-56

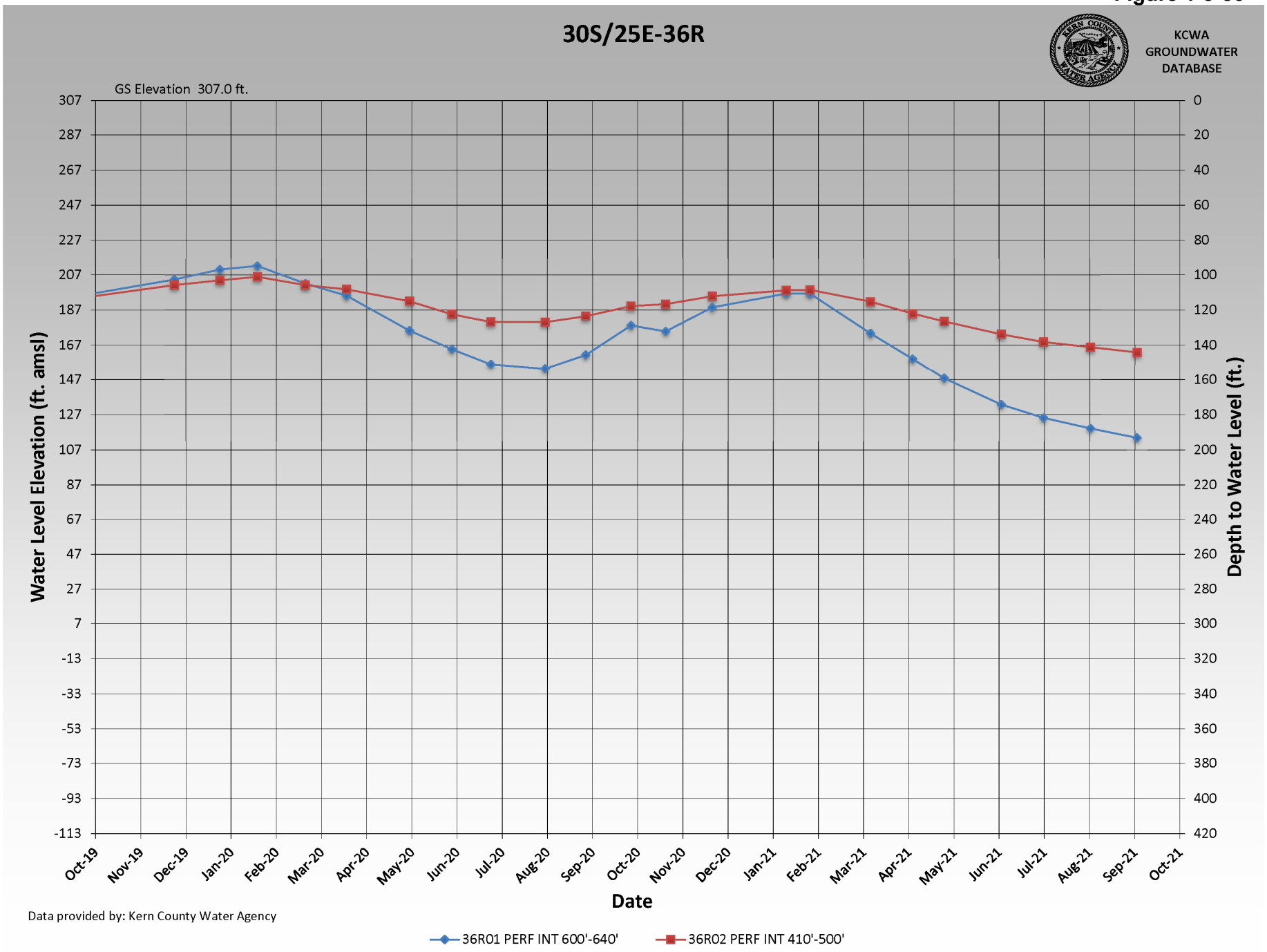

30S/25E-36R
KCWA GROUNDWATER DATABASE
GS Elevation 307.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
307
287
267
247
227
207
187
167
147
127
107
87
67
47
27
7
-13
-33
-53
-73
-93
-113
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
36R01 PERF INT 600'-640'
36R02 PERF INT 410'-500'

Figure 1-3-57

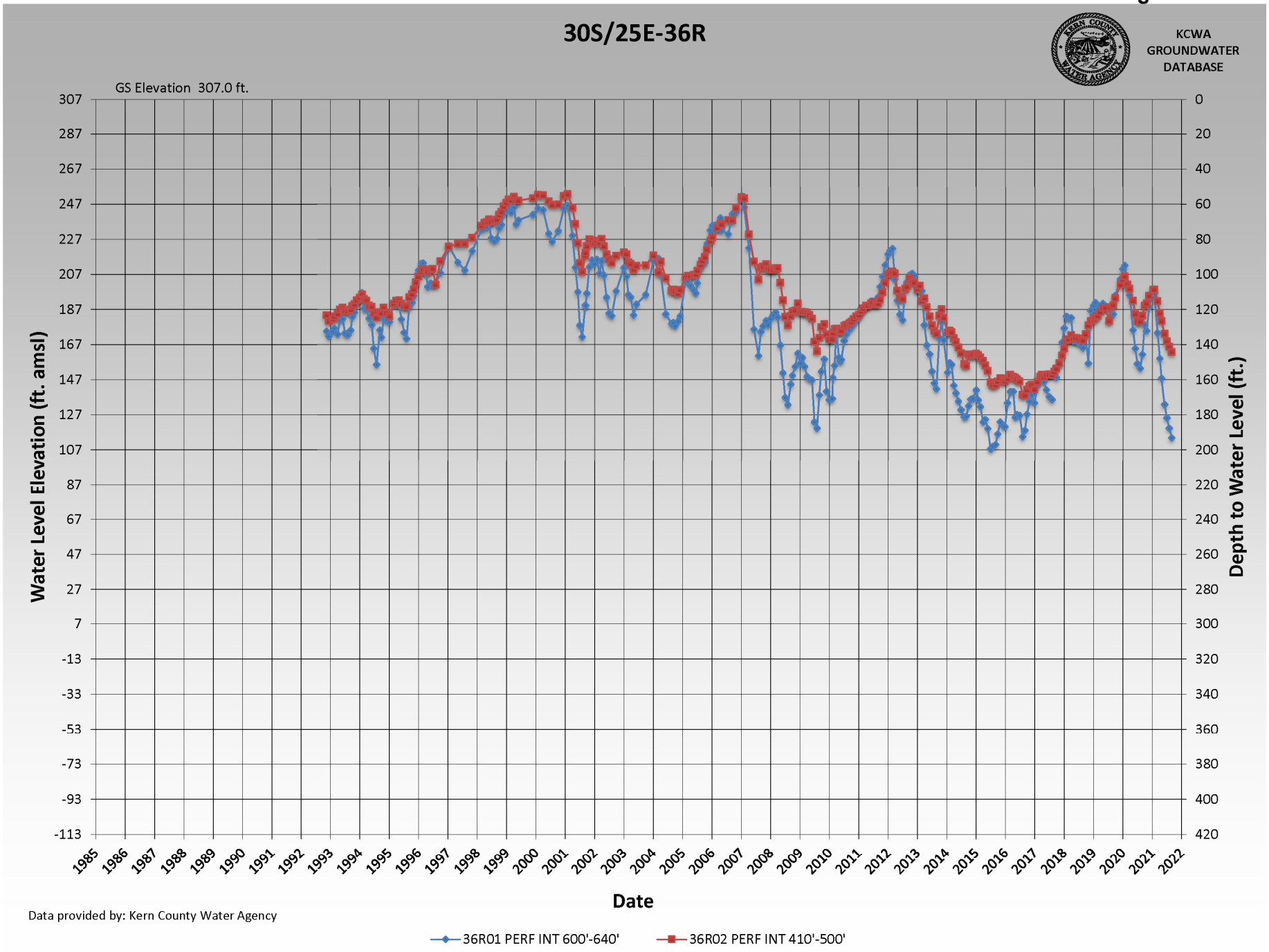

30S/25E-36R
KCWA GROUNDWATER DATABASE
GS Elevation 307.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
307
287
267
247
227
207
187
167
147
127
107
87
67
47
27
7
-13
-33
-53
-73
-93
-113
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
36R01 PERF INT 600'-640'
36R02 PERF INT 410'-500'

Figure 1-3-58

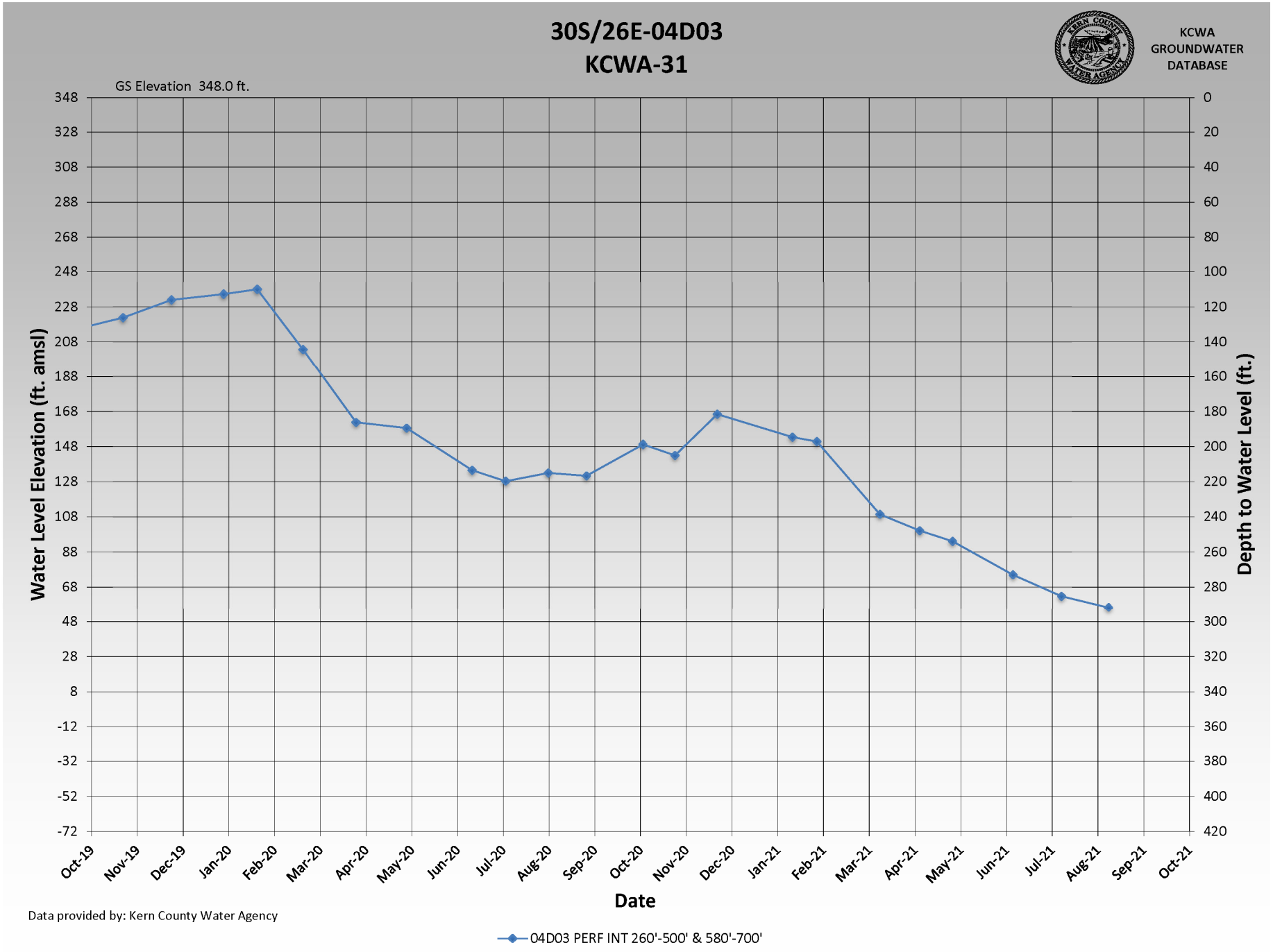

30S/26E-04D03
KCWA-31
KCWA
GROUNDWATER
DATABASE
GS Elevation 348.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
348
328
308
288
268
248
228
208
188
168
148
128
108
88
68
48
28
8
-12
-32
-52
-72
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
04D03 PERF INT 260'-500' & 580'-700'

Figure 1-3-59

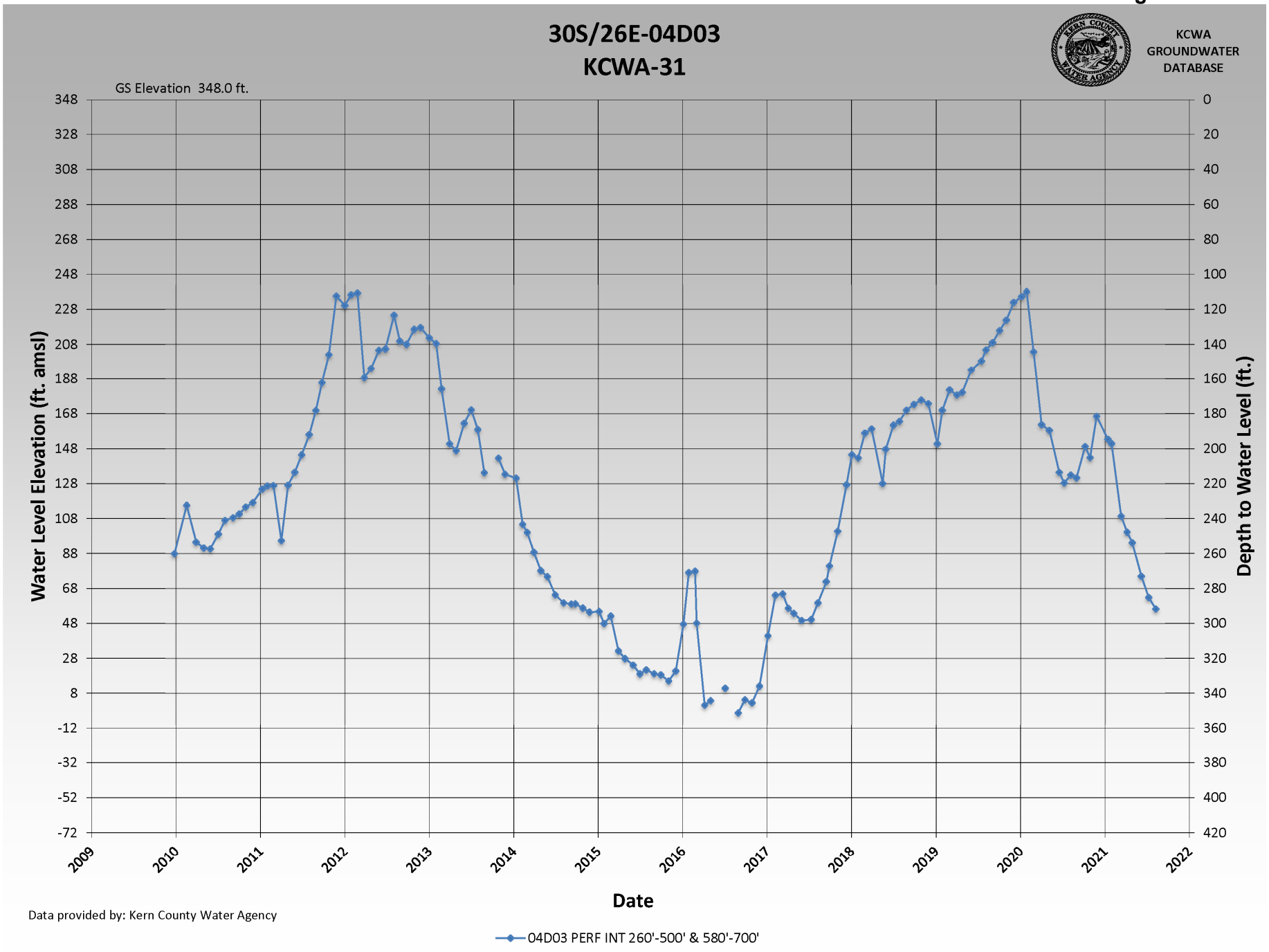

30S/26E-04D03
KCWA-31
KCWA
GROUNDWATER
DATABASE
GS Elevation 348.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
348
328
308
288
268
248
228
208
188
168
148
128
108
88
68
48
28
8
-12
-32
-52
-72
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
04D03 PERF INT 260'-500' & 580'-700'

Figure 1-3-60

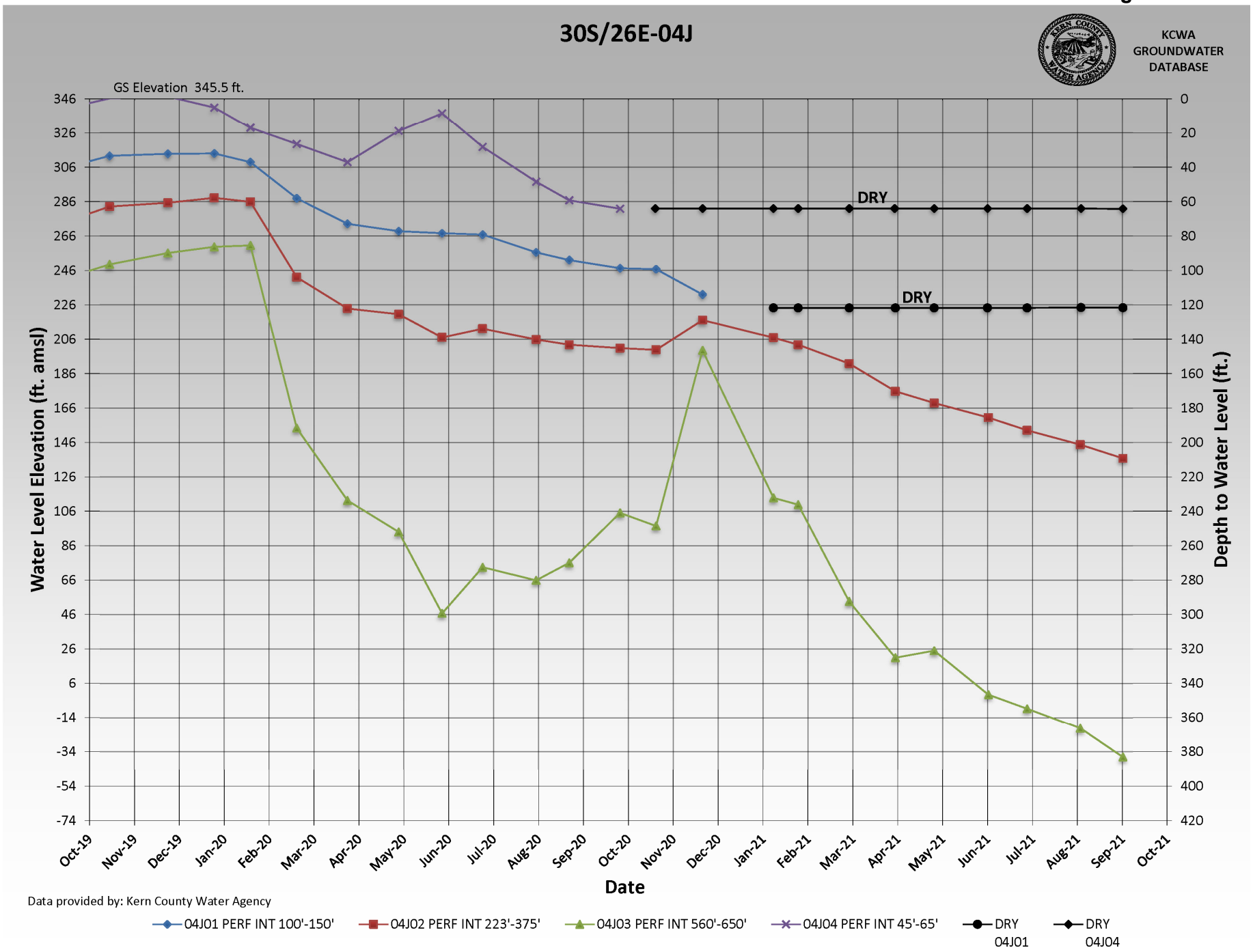

30S/26E-04J
KCWA GROUNDWATER DATABASE
GS Elevation 345.5 ft.
DRY
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
346
326
306
286
266
246
226
206
186
166
146
126
106
86
66
46
26
6
-14
-34
-54
-74
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
04J01 PERF INT 100'-150'
04J02 PERF INT 223'-375'
04J03 PERF INT 560'-650'
04J04 PERF INT 45'-65'
DRY 04J01
DRY 04J04

Figure 1-3-61

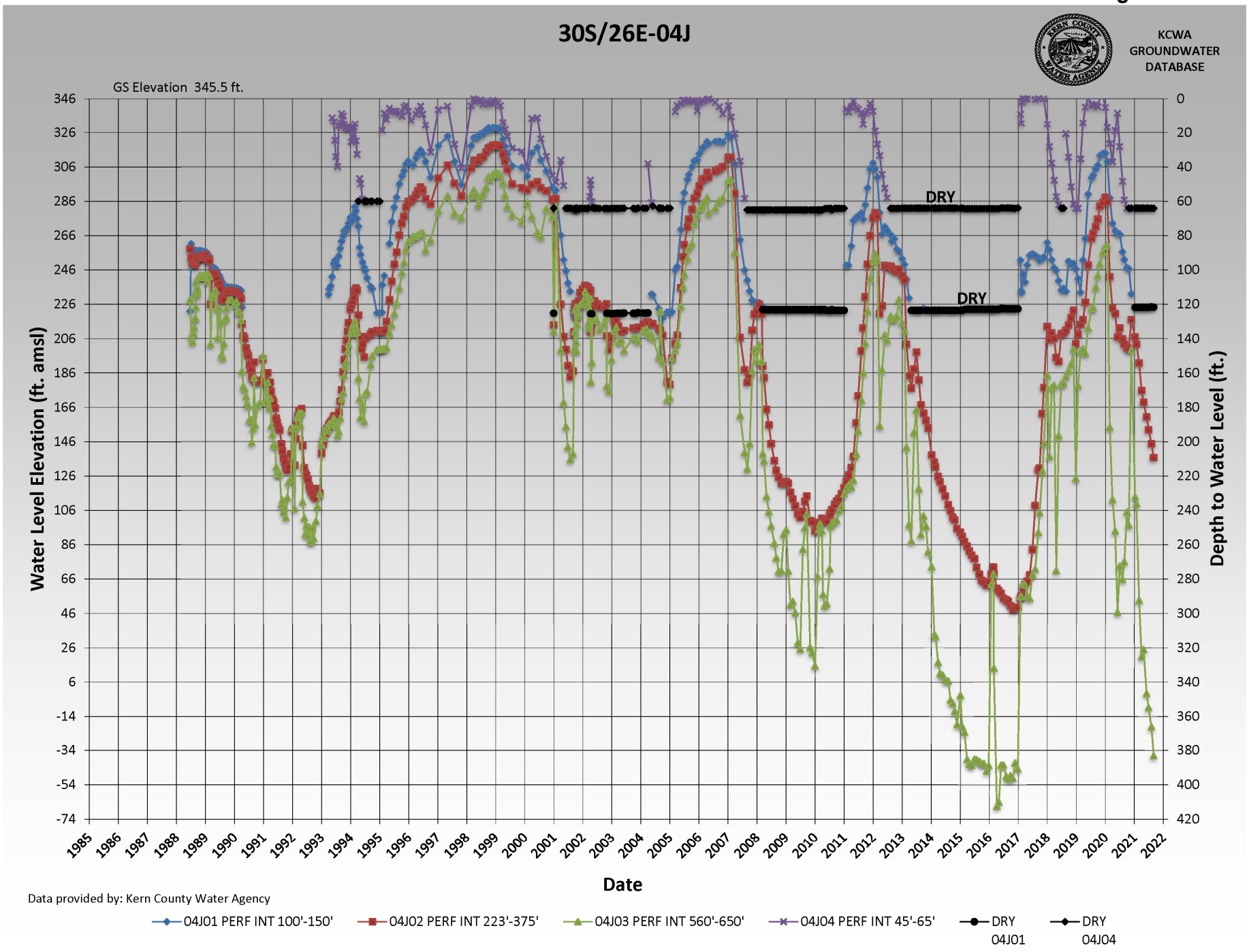

30S/26E-04J
KCWA GROUNDWATER DATABASE
GS Elevation 345.5 ft.
DRY
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Kern County Water Agency
04J01 PERF INT 100'-150'
04J02 PERF INT 223'-375'
04J03 PERF INT 560'-650'
04J04 PERF INT 45'-65'
DRY 04J01
DRY 04J04

Figure 1-3-62

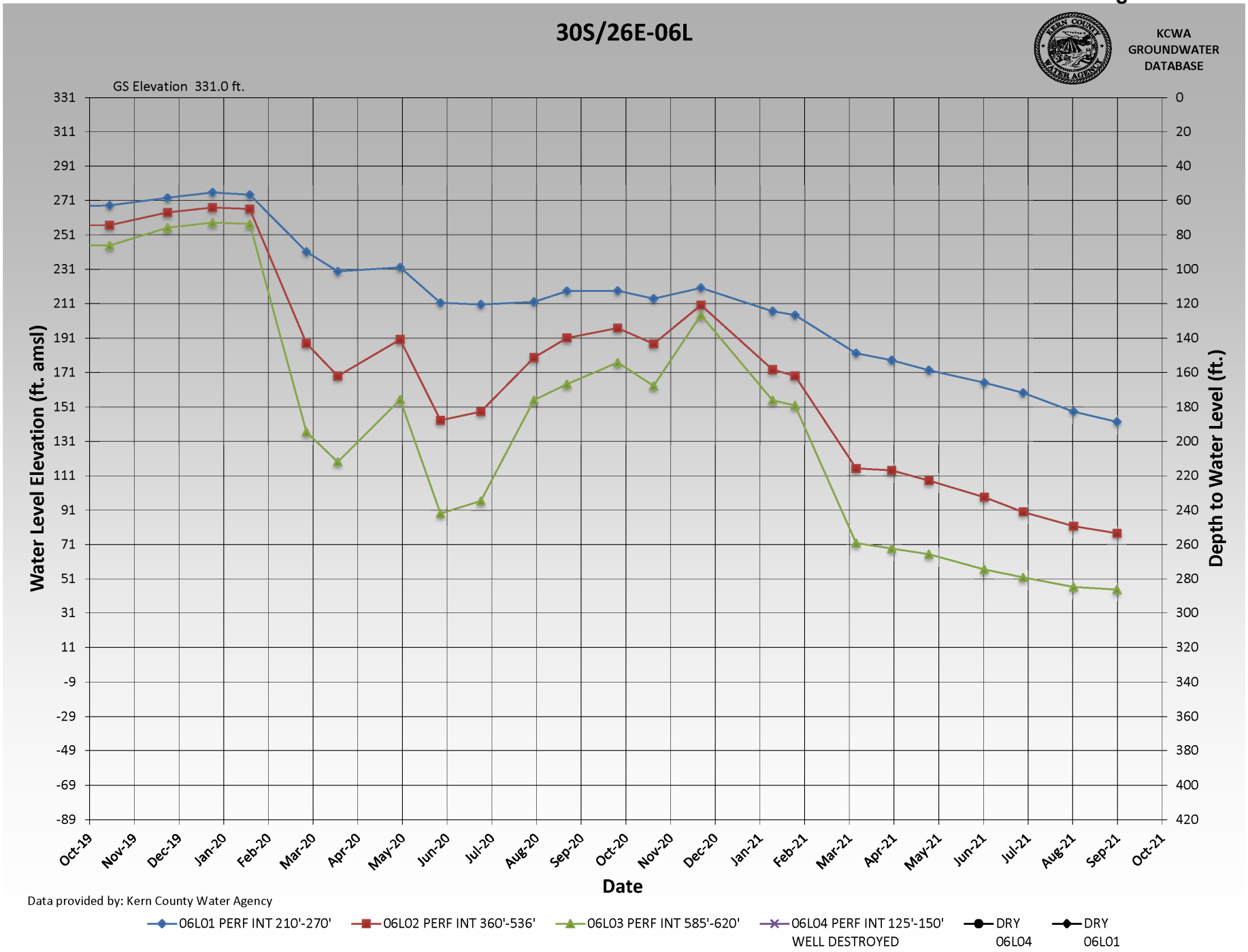

30S/26E-06L
KCWA GROUNDWATER DATABASE
GS Elevation 331.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
331
311
291
271
251
231
211
191
171
151
131
111
91
71
51
31
11
-9
-29
-49
-69
-89
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
06L01 PERF INT 210'-270'
06L02 PERF INT 360'-536'
06L03 PERF INT 585'-620'
06L04 PERF INT 125'-150'
WELL DESTROYED
DRY
06L04
DRY
06L01

Figure 1-3-63

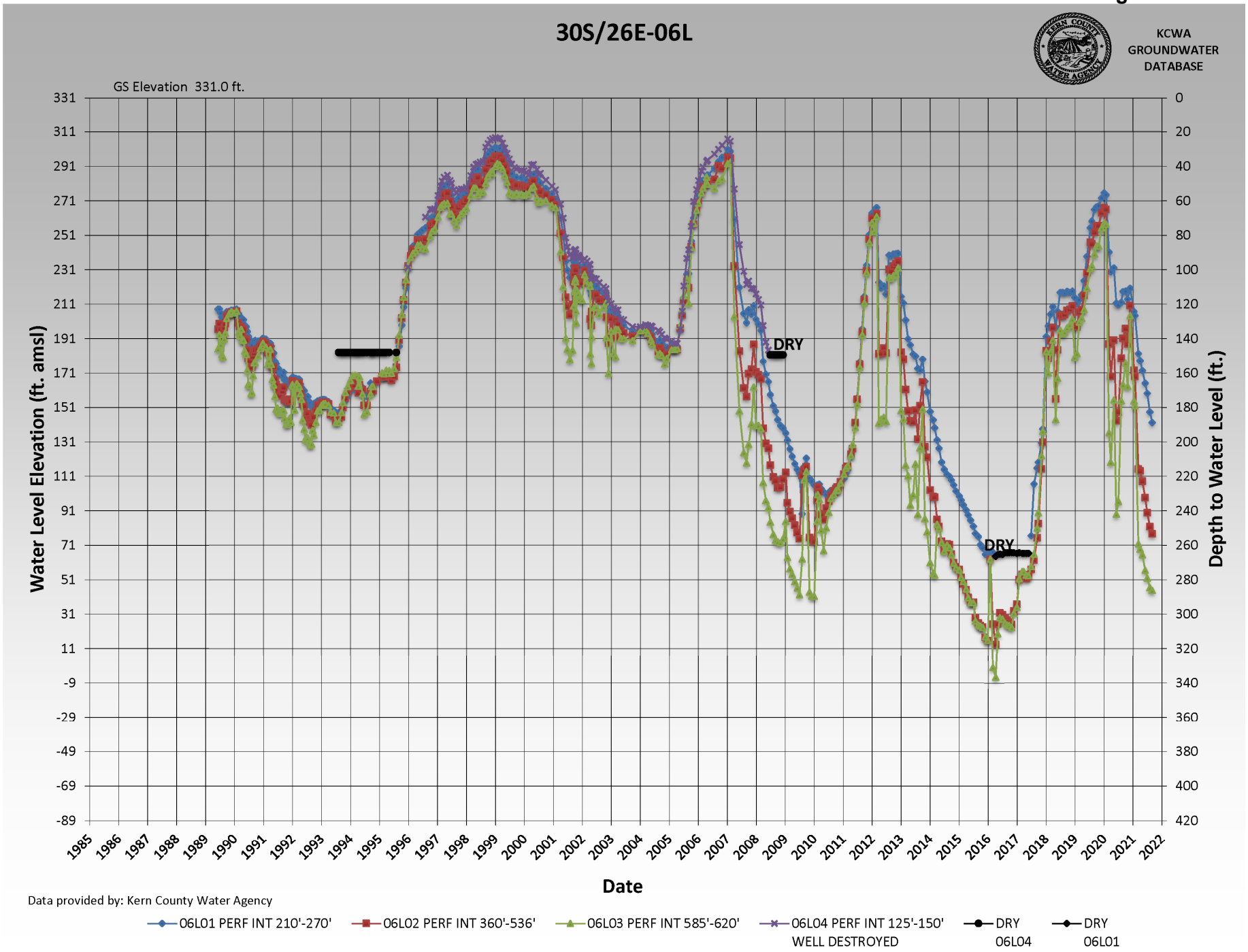

30S/26E-06L
KCWA GROUNDWATER DATABASE
GS Elevation 331.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
331
311
291
271
251
231
211
191
171
151
131
111
91
71
51
31
11
-9
-29
-49
-69
-89
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
DRY
DRY
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
06L01 PERF INT 210'-270'
06L02 PERF INT 360'-536'
06L03 PERF INT 585'-620'
06L04 PERF INT 125'-150'
WELL DESTROYED
DRY
06L04
DRY
06L01

Figure 1-3-64

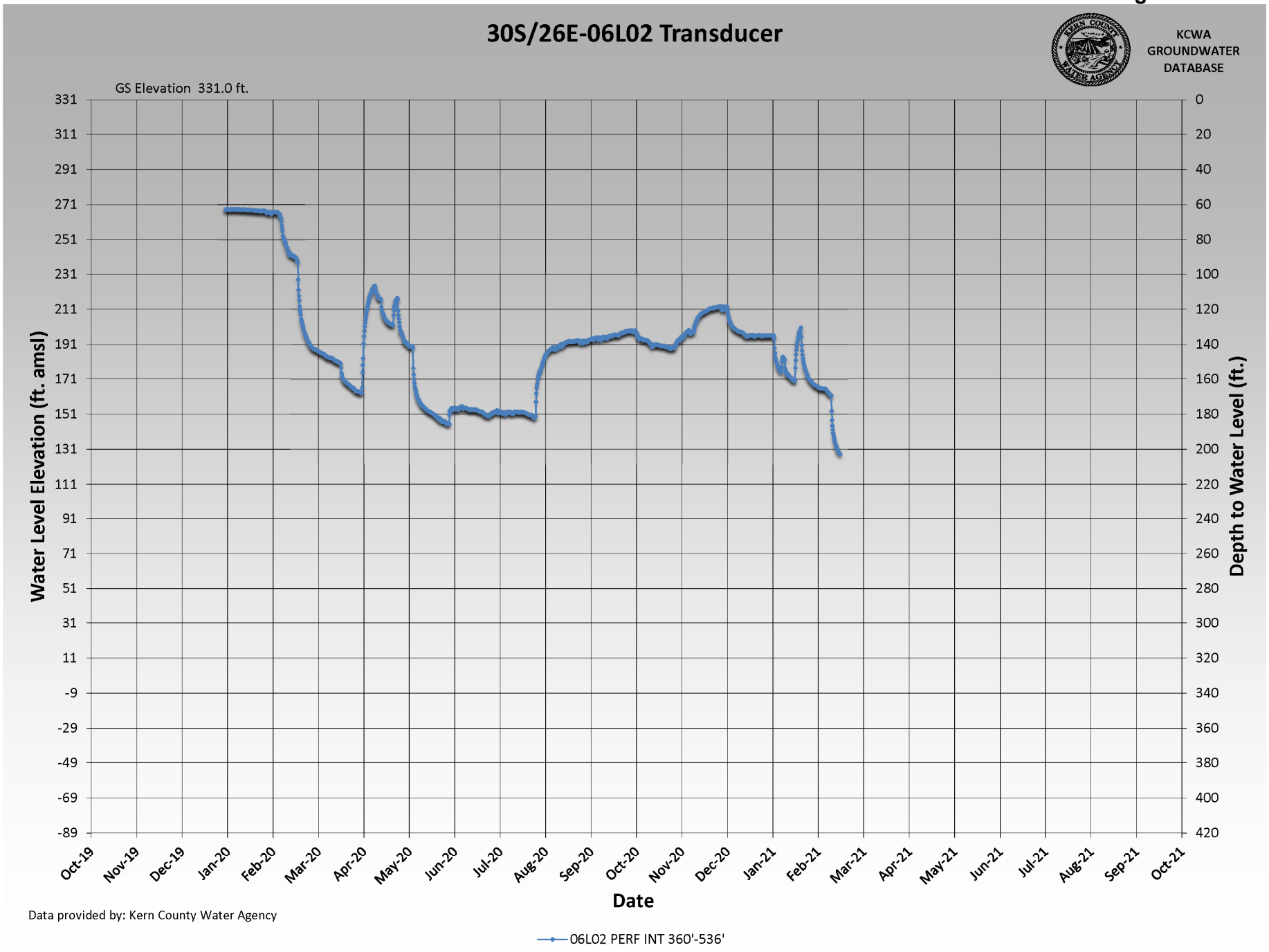

30S/26E-06L02 Transducer
KCWA GROUNDWATER DATABASE
GS Elevation 331.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
331
311
291
271
251
231
211
191
171
151
131
111
91
71
51
31
11
-9
-29
-49
-69
-89
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
06L02 PERF INT 360'-536'

Figure 1-3-65

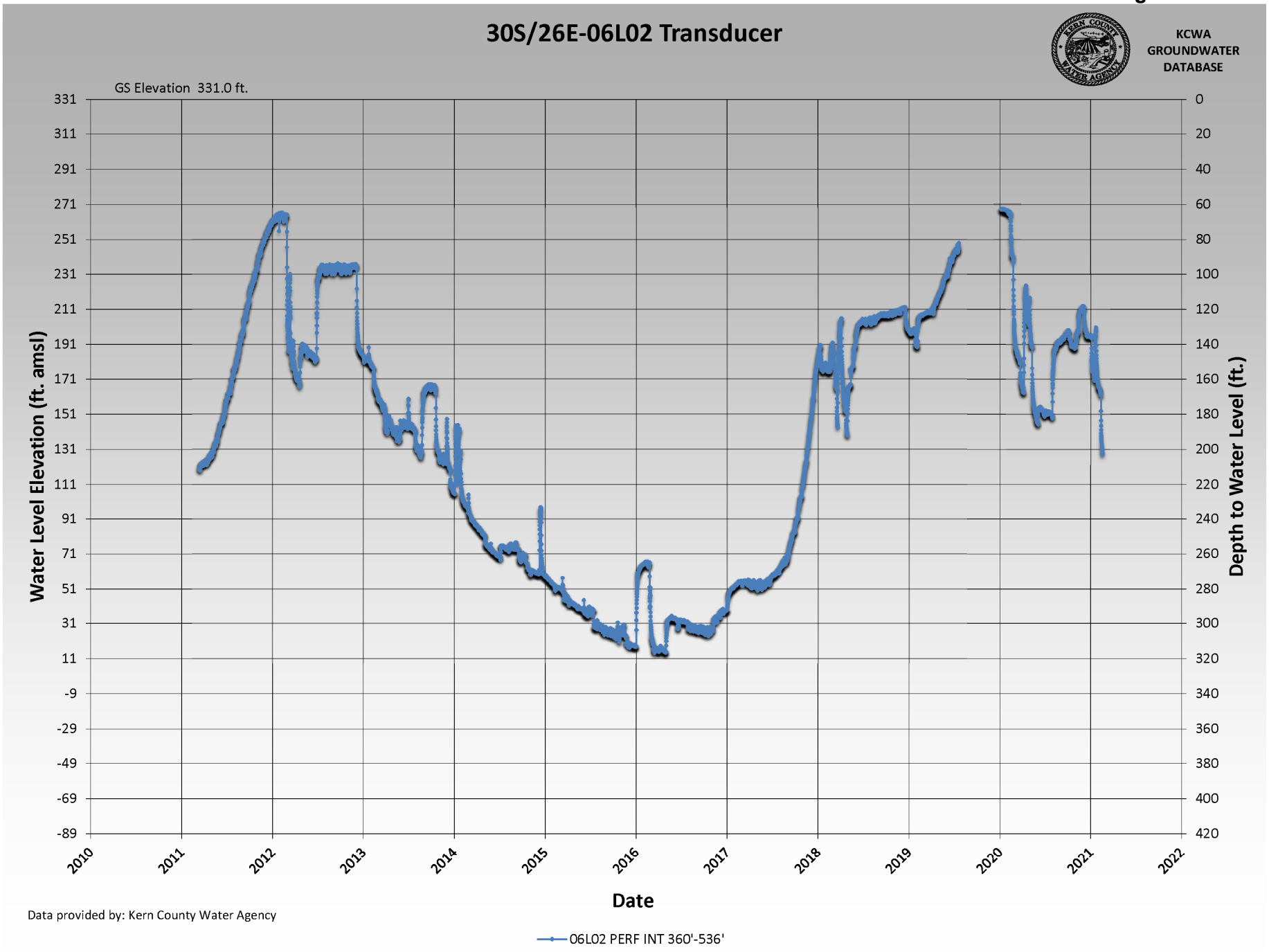

30S/26E-06L02 Transducer
KCWA GROUNDWATER DATABASE
GS Elevation 331.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
331
311
291
271
251
231
211
191
171
151
131
111
91
71
51
31
11
-9
-29
-49
-69
-89
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
06L02 PERF INT 360'-536'

Figure 1-3-66

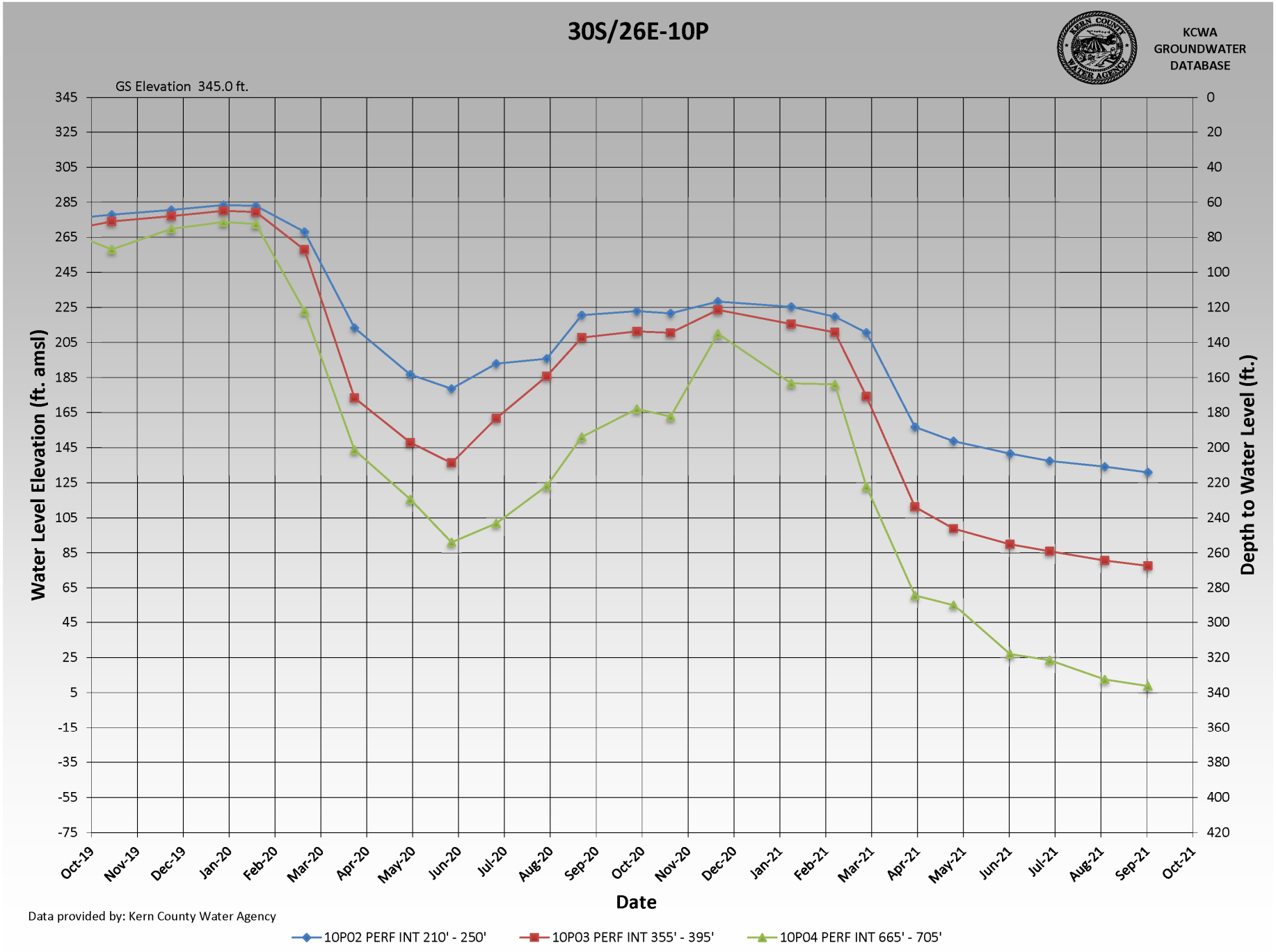

30S/26E-10P
KCWA GROUNDWATER DATABASE
GS Elevation 345.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
345
325
305
285
265
245
225
205
185
165
145
125
105
85
65
45
25
5
-15
-35
-55
-75
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
10P02 PERF INT 210' - 250'
10P03 PERF INT 355' - 395'
10P04 PERF INT 665' - 705'

Figure 1-3-67

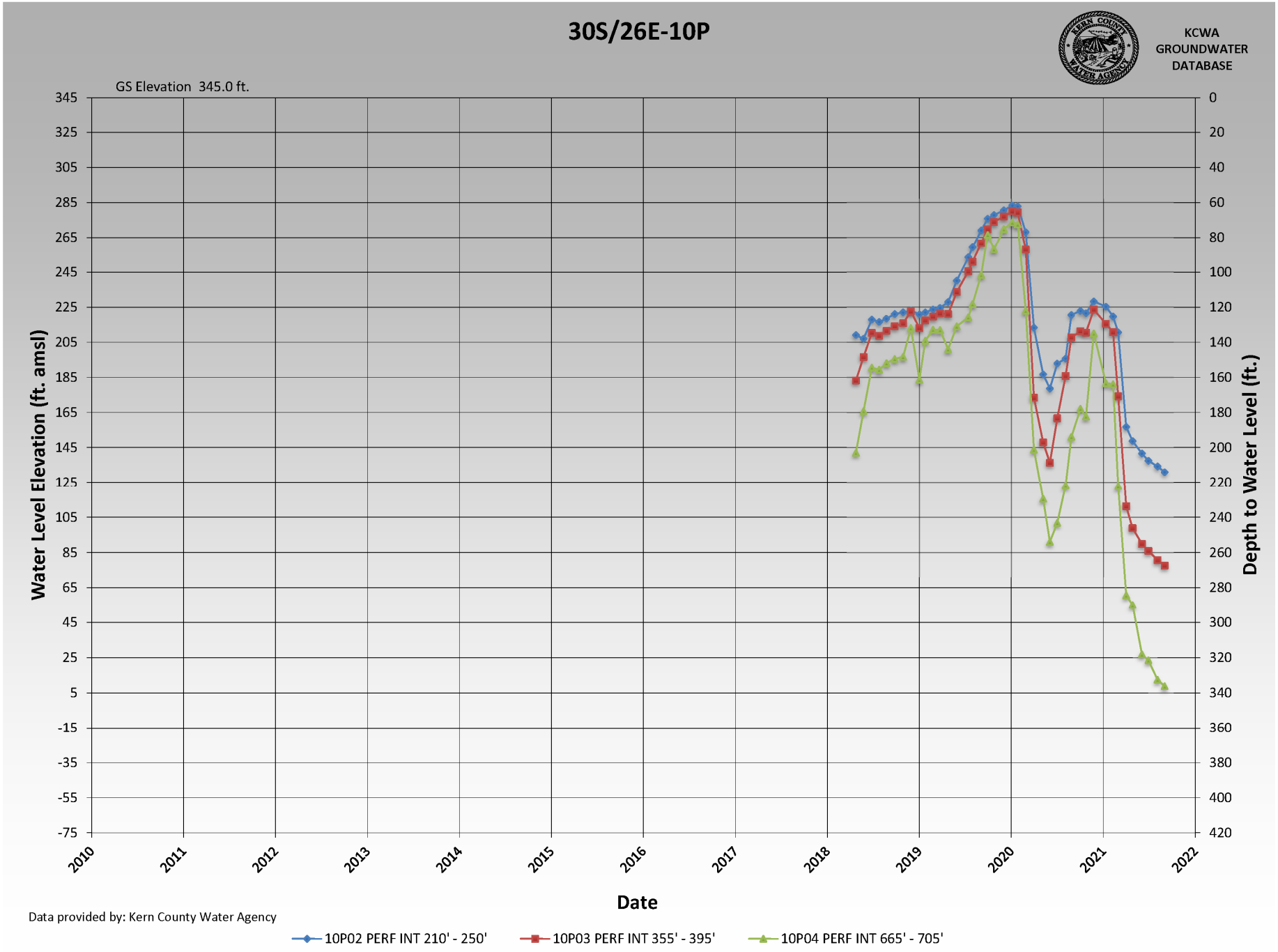

30S/26E-10P
KCWA
GROUNDWATER
DATABASE
GS Elevation 345.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
345
325
305
285
265
245
225
205
185
165
145
125
105
85
65
45
25
5
-15
-35
-55
-75
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
10P02 PERF INT 210' - 250'
10P03 PERF INT 355' - 395'
10P04 PERF INT 665' - 705'

Figure 1-3-68

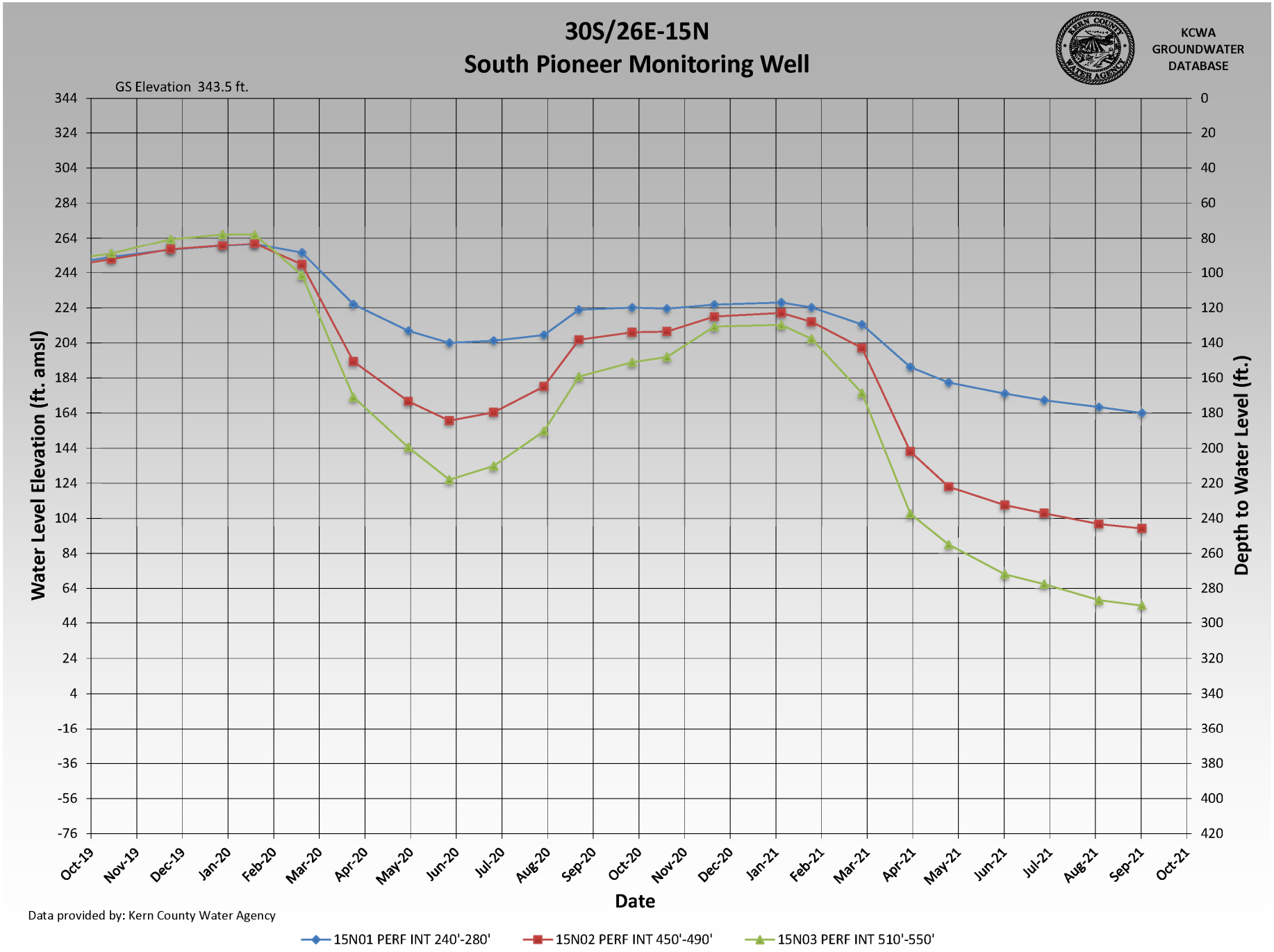

30S/26E-15N
South Pioneer Monitoring Well
KCWA
GROUNDWATER
DATABASE
GS Elevation 343.5 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
344
324
304
284
264
244
224
204
184
164
144
124
104
84
64
44
24
4
-16
-36
-56
-76
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
15N01 PERF INT 240'-280'
15N02 PERF INT 450'-490'
15N03 PERF INT 510'-550'

Figure 1-3-69

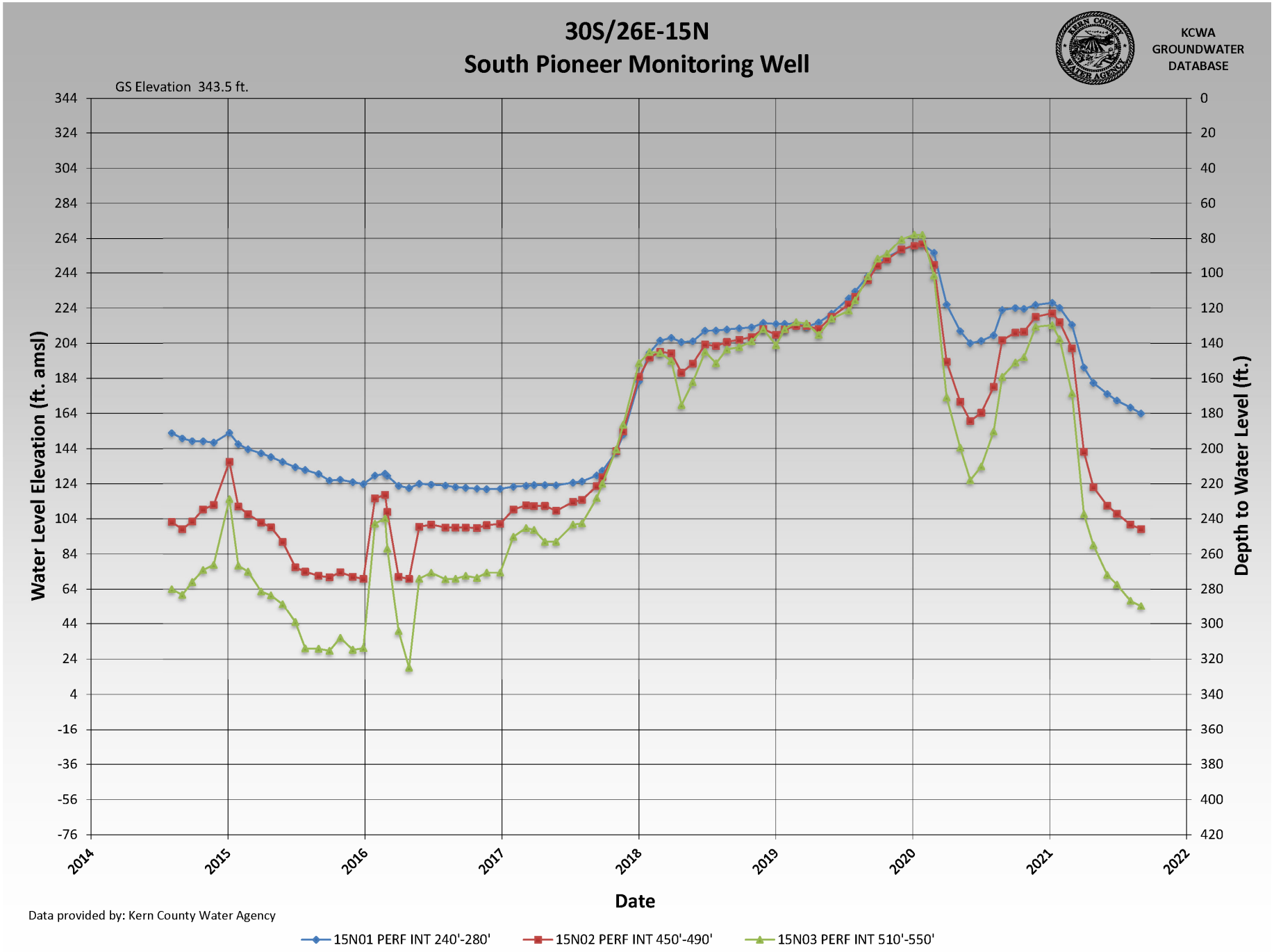

30S/26E-15N
South Pioneer Monitoring Well
KCWA
GROUNDWATER
DATABASE
GS Elevation 343.5 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
344
324
304
284
264
244
224
204
184
164
144
124
104
84
64
44
24
4
-16
-36
-56
-76
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
15N01 PERF INT 240'-280'
15N02 PERF INT 450'-490'
15N03 PERF INT 510'-550'

Figure 1-3-70

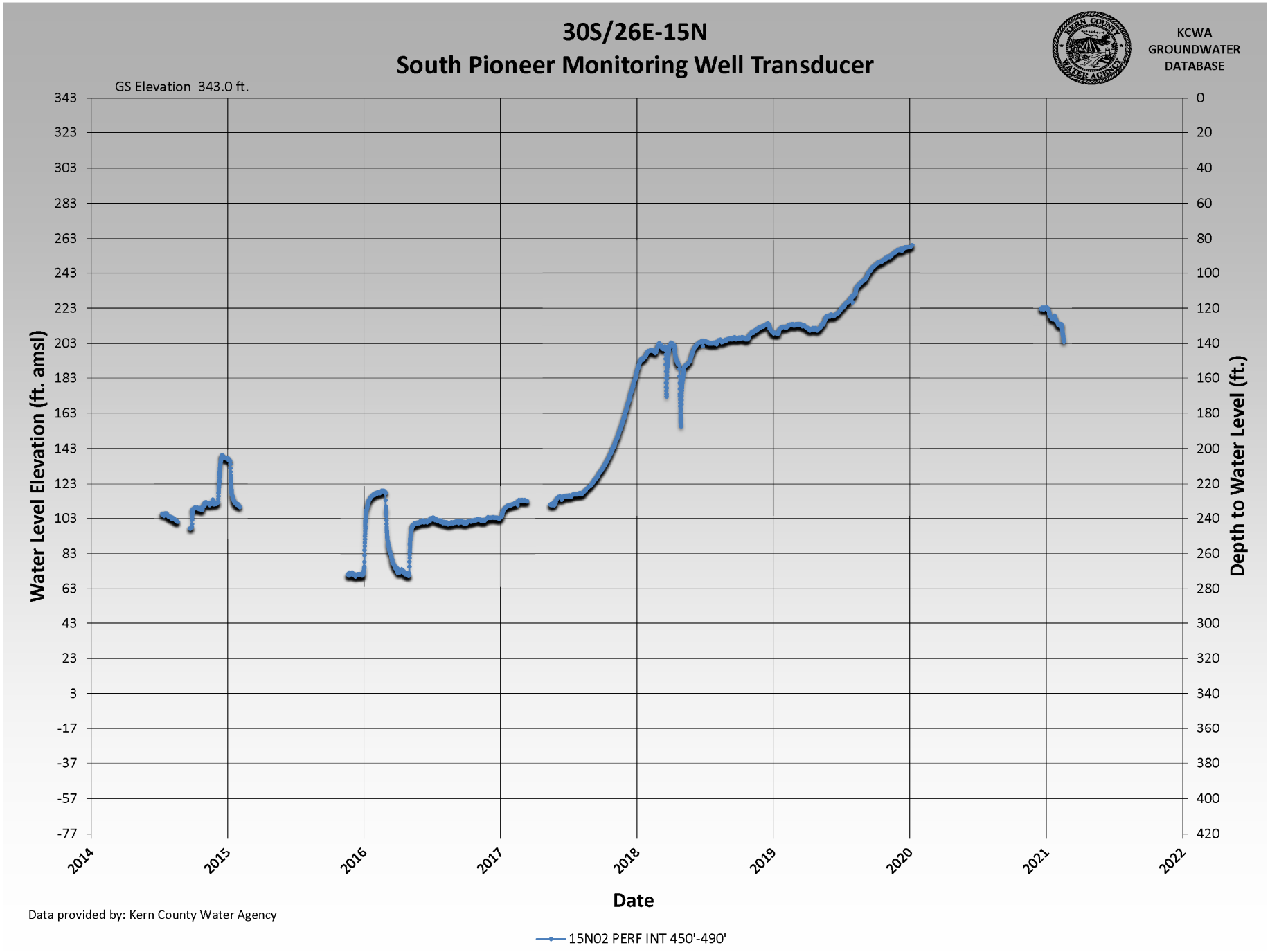

30S/26E-15N
South Pioneer Monitoring Well Transducer
KCWA
GROUNDWATER
DATABASE
GS Elevation 343.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
343
323
303
283
263
243
223
203
183
163
143
123
103
83
63
43
23
3
-17
-37
-57
-77
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
15N02 PERF INT 450'-490'

Figure 1-3-71

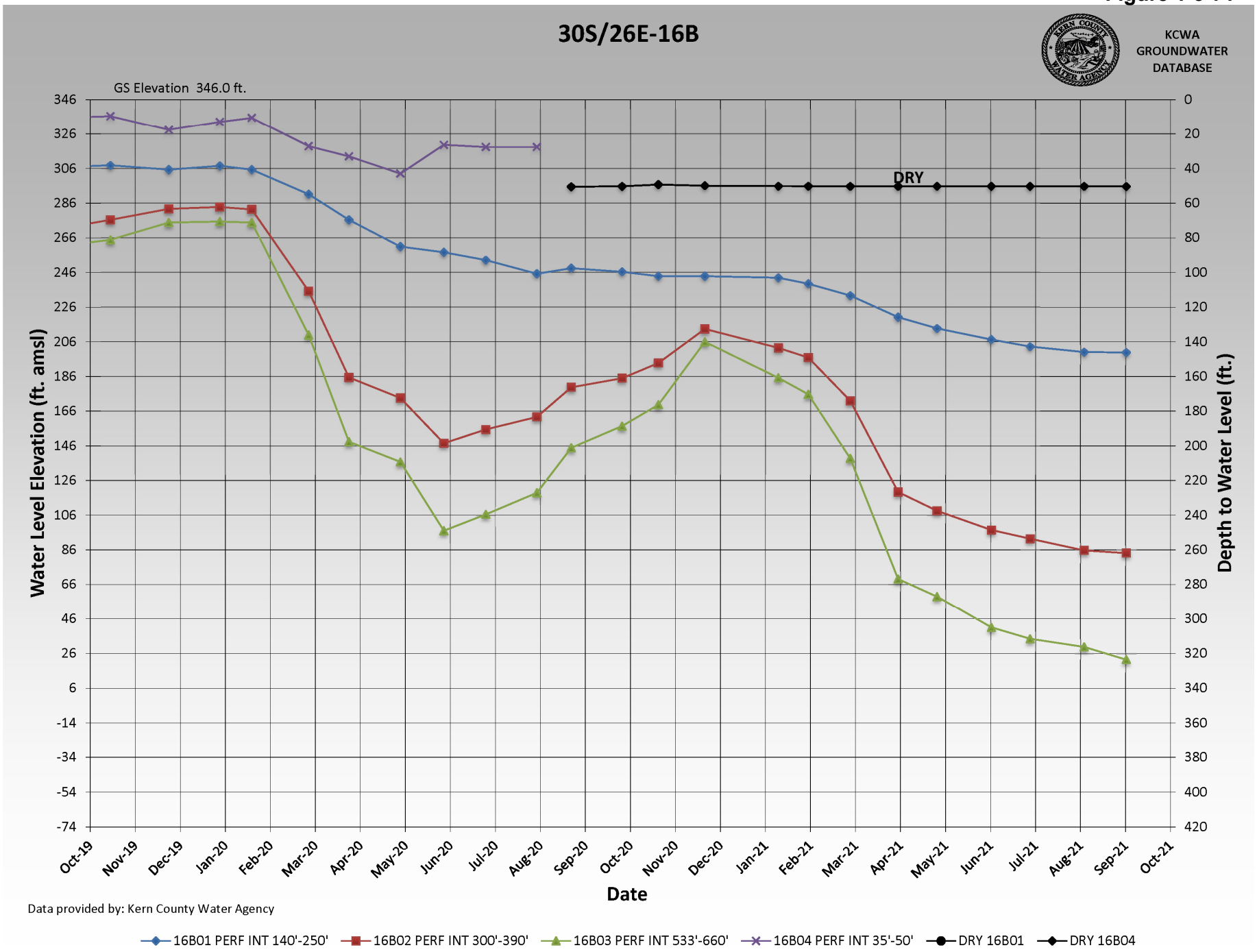

30S/26E-16B
KCWA GROUNDWATER DATABASE
GS Elevation 346.0 ft.
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
346
326
306
286
266
246
226
206
186
166
146
126
106
86
66
46
26
6
-14
-34
-54
-74
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
16B01 PERF INT 140'-250'
16B02 PERF INT 300'-390'
16B03 PERF INT 533'-660'
16B04 PERF INT 35'-50'
DRY 16B01
DRY 16B04

Figure 1-3-72

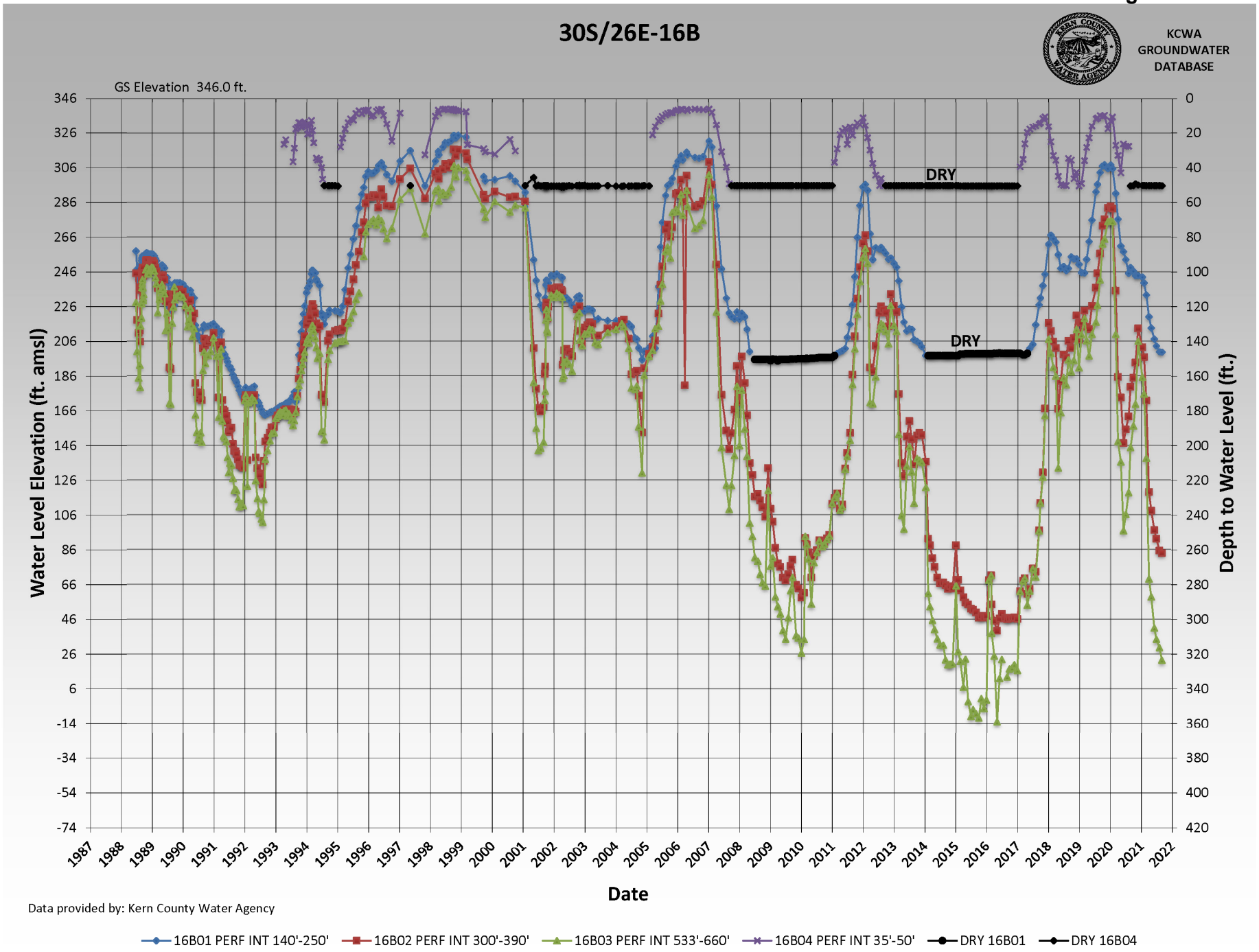

30S/26E-16B
KCWA GROUNDWATER DATABASE
GS Elevation 346.0 ft.
DRY
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Kern County Water Agency
16B01 PERF INT 140'-250'
16B02 PERF INT 300'-390'
16B03 PERF INT 533'-660'
16B04 PERF INT 35'-50'
DRY 16B01
DRY 16B04

Figure 1-3-73

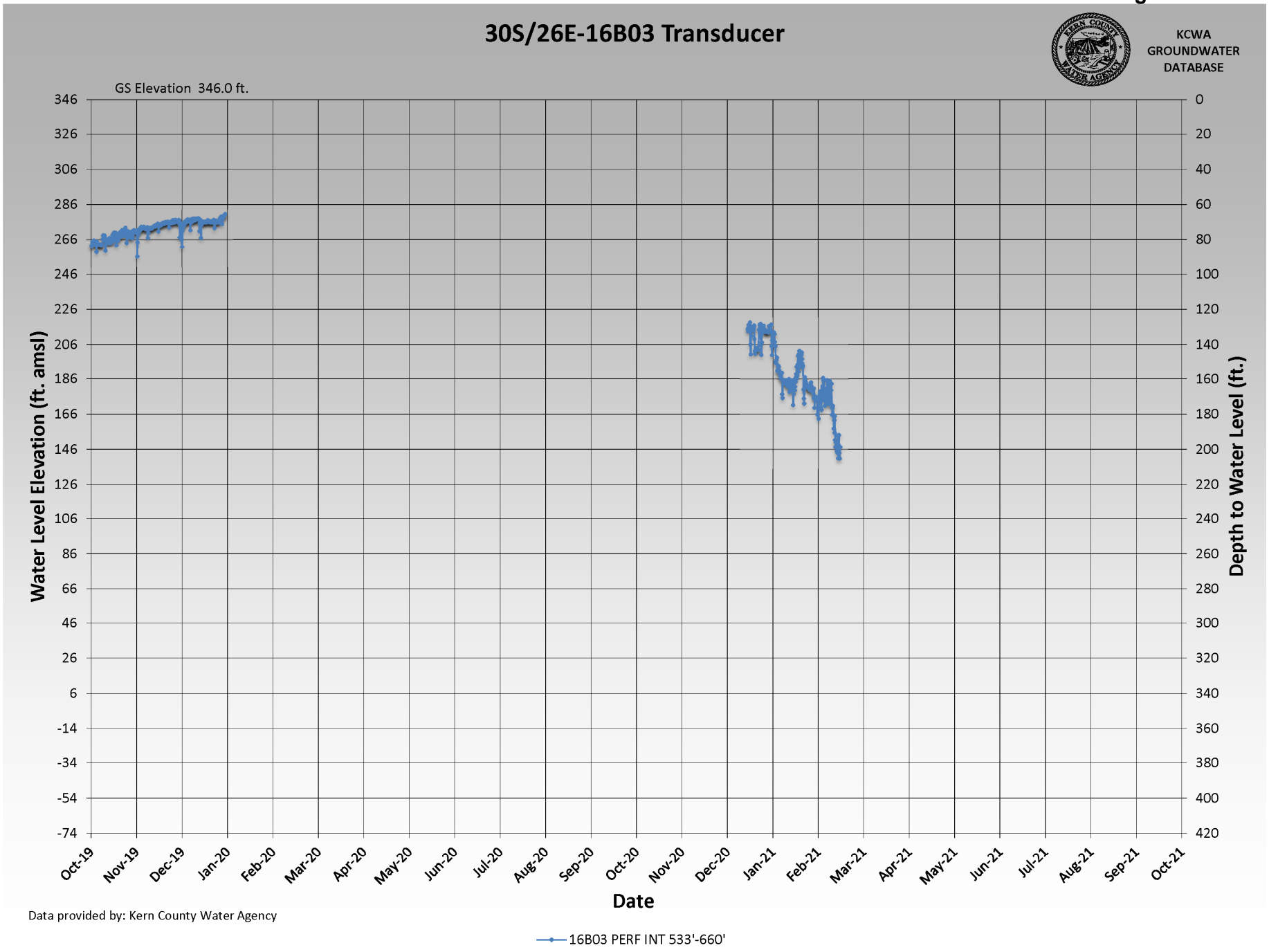

30S/26E-16B03 Transducer
KCWA GROUNDWATER DATABASE
GS Elevation 346.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
346
326
306
286
266
246
226
206
186
166
146
126
106
86
66
46
26
6
-14
-34
-54
-74
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
16B03 PERF INT 533'-660'

Figure 1-3-74

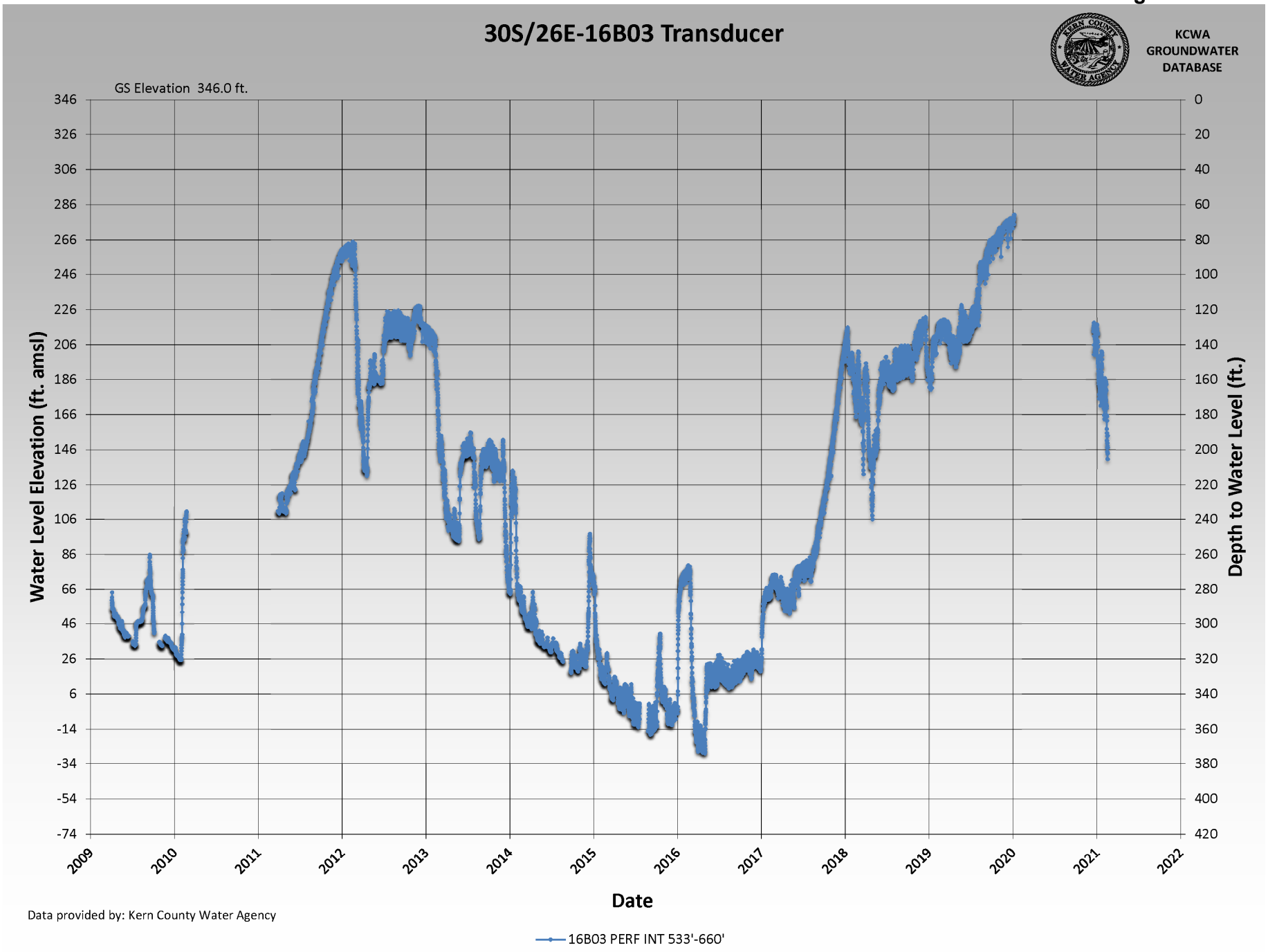

30S/26E-16B03 Transducer
KCWA GROUNDWATER DATABASE
GS Elevation 346.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
346
326
306
286
266
246
226
206
186
166
146
126
106
86
66
46
26
6
-14
-34
-54
-74
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
16B03 PERF INT 533'-660'

Figure 1-3-75

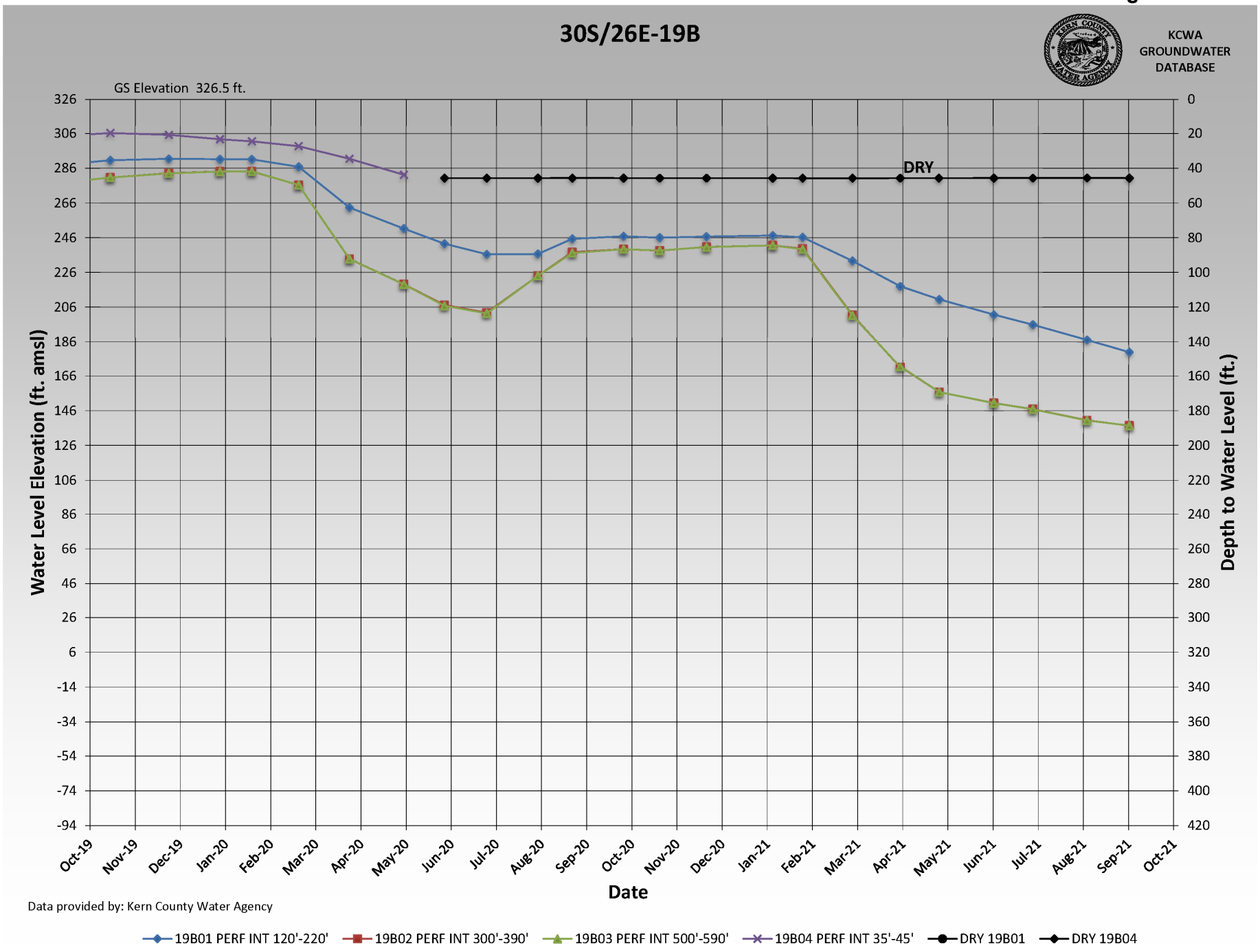

30S/26E-19B
KCWA GROUNDWATER DATABASE
GS Elevation 326.5 ft.
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
326
306
286
266
246
226
206
186
166
146
126
106
86
66
46
26
6
-14
-34
-54
-74
-94
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
19B01 PERF INT 120'-220'
19B02 PERF INT 300'-390'
19B03 PERF INT 500'-590'
19B04 PERF INT 35'-45'
DRY 19B01
DRY 19B04

Figure 1-3-76

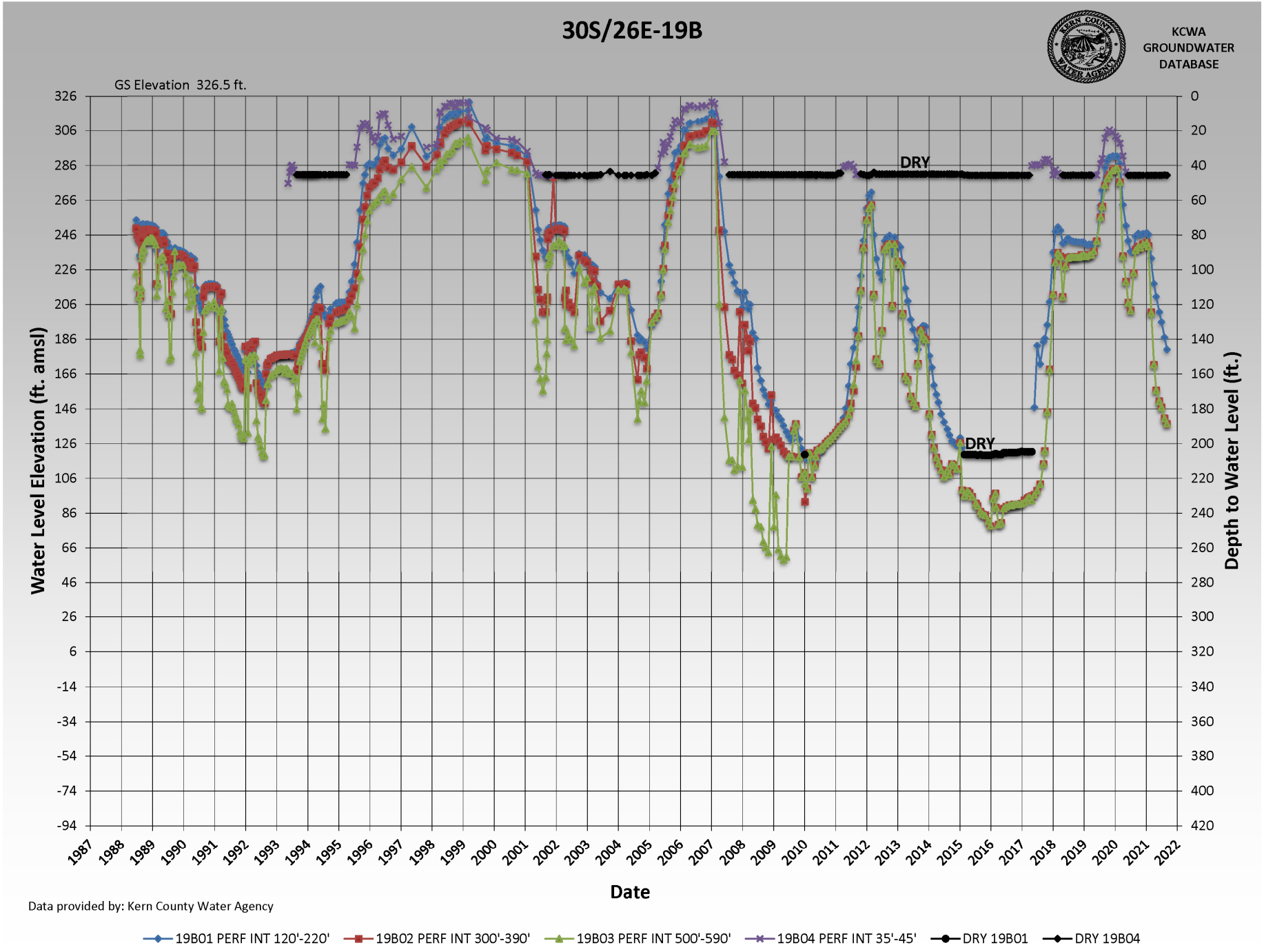

30S/26E-19B
KCWA GROUNDWATER DATABASE
GS Elevation 326.5 ft.
DRY
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Kern County Water Agency
19B01 PERF INT 120'-220'
19B02 PERF INT 300'-390'
19B03 PERF INT 500'-590'
19B04 PERF INT 35'-45'
DRY 19B01
DRY 19B04

Figure 1-3-77

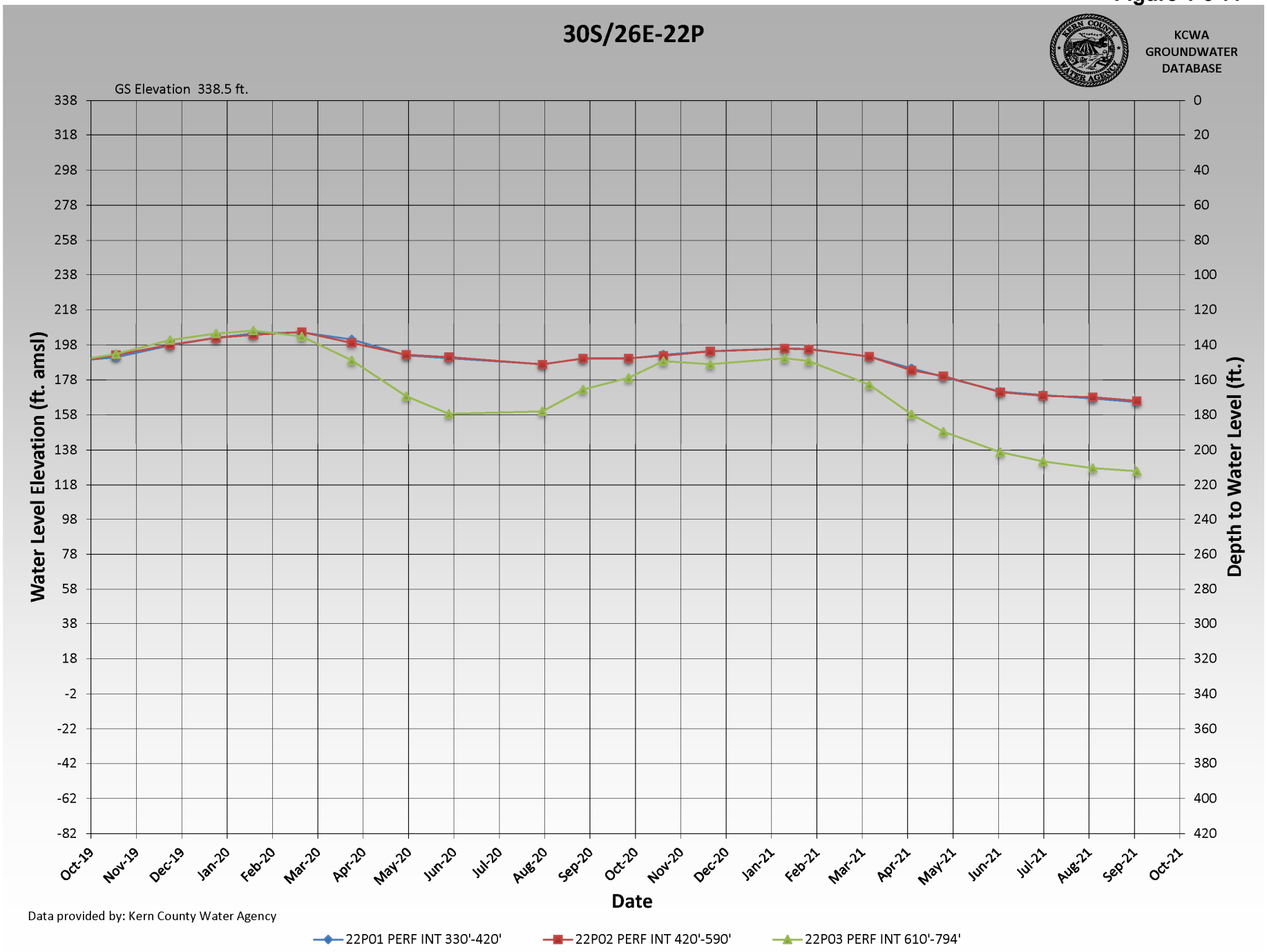

30S/26E-22P
KCWA GROUNDWATER DATABASE
GS Elevation 338.5 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
338
318
298
278
258
238
218
198
178
158
138
118
98
78
58
38
18
-2
-22
-42
-62
-82
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
22P01 PERF INT 330'-420'
22P02 PERF INT 420'-590'
22P03 PERF INT 610'-794'

Figure 1-3-78

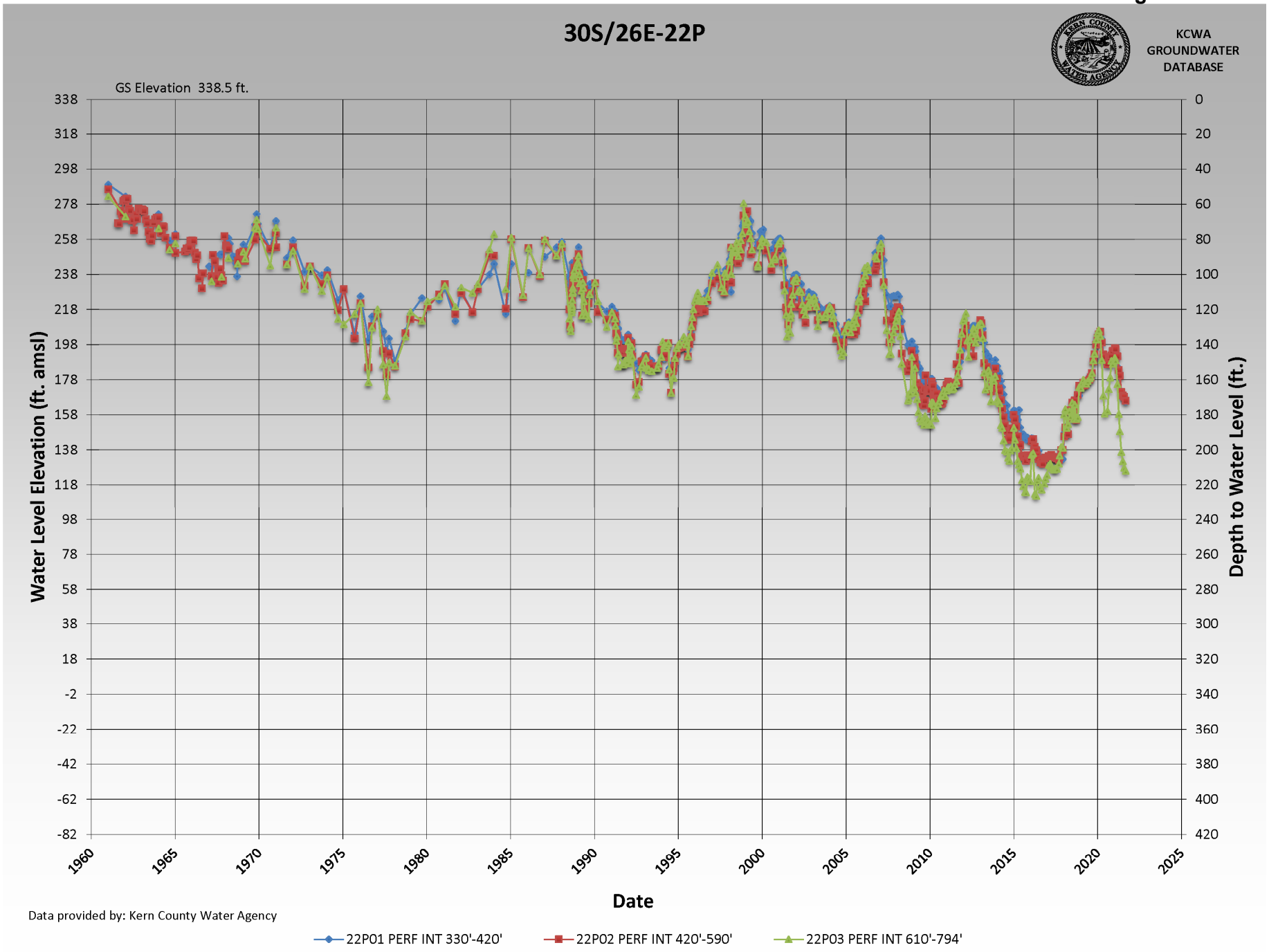

30S/26E-22P
KCWA GROUNDWATER DATABASE
GS Elevation 338.5 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
338
318
298
278
258
238
218
198
178
158
138
118
98
78
58
38
18
-2
-22
-42
-62
-82
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
Date
Data provided by: Kern County Water Agency
22P01 PERF INT 330'-420'
22P02 PERF INT 420'-590'
22P03 PERF INT 610'-794'

Figure 1-3-79

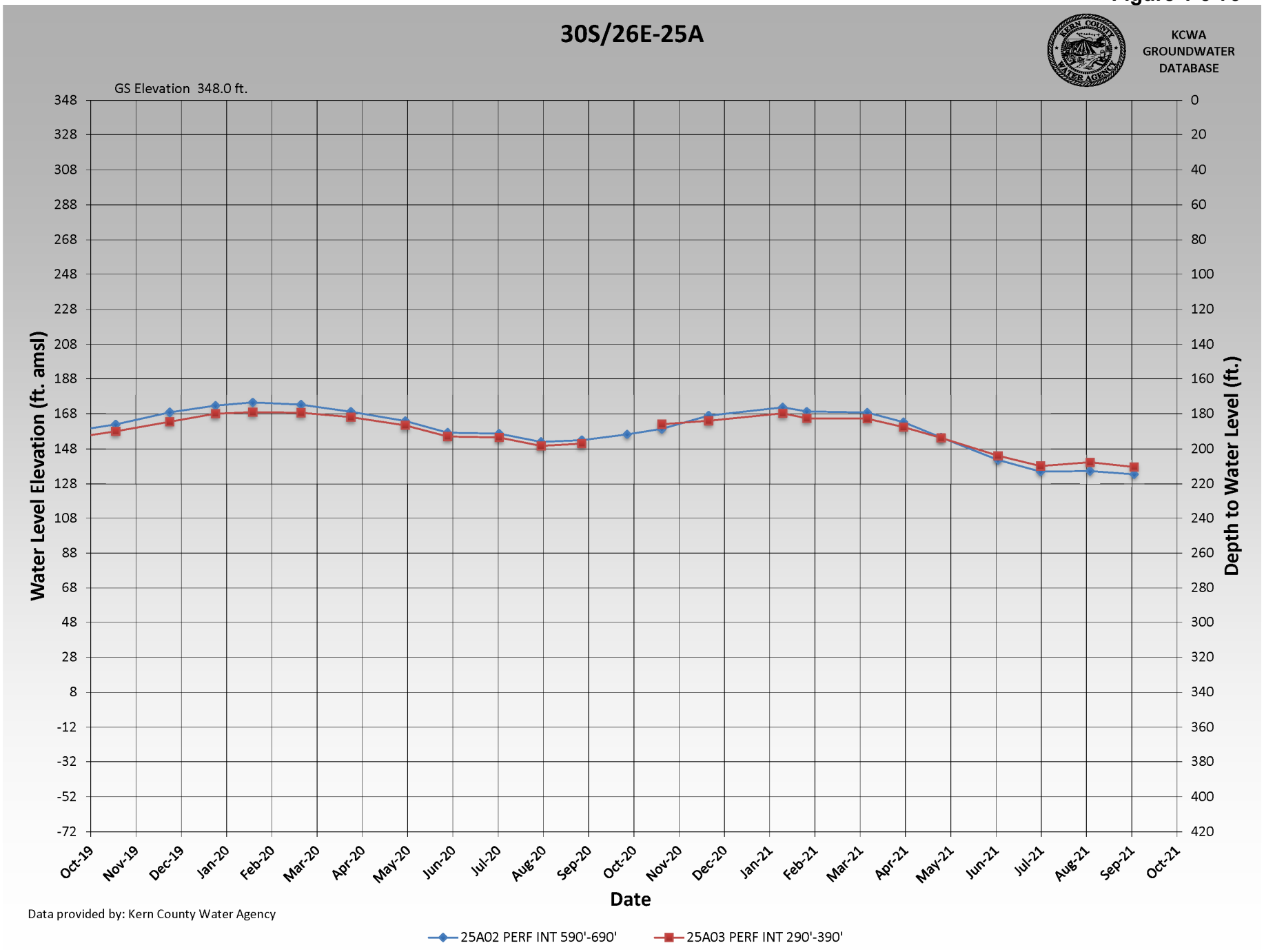

30S/26E-25A
KCWA GROUNDWATER DATABASE
GS Elevation 348.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
348
328
308
288
268
248
228
208
188
168
148
128
108
88
68
48
28
8
-12
-32
-52
-72
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
25A02 PERF INT 590'-690'
25A03 PERF INT 290'-390'

Figure 1-3-80

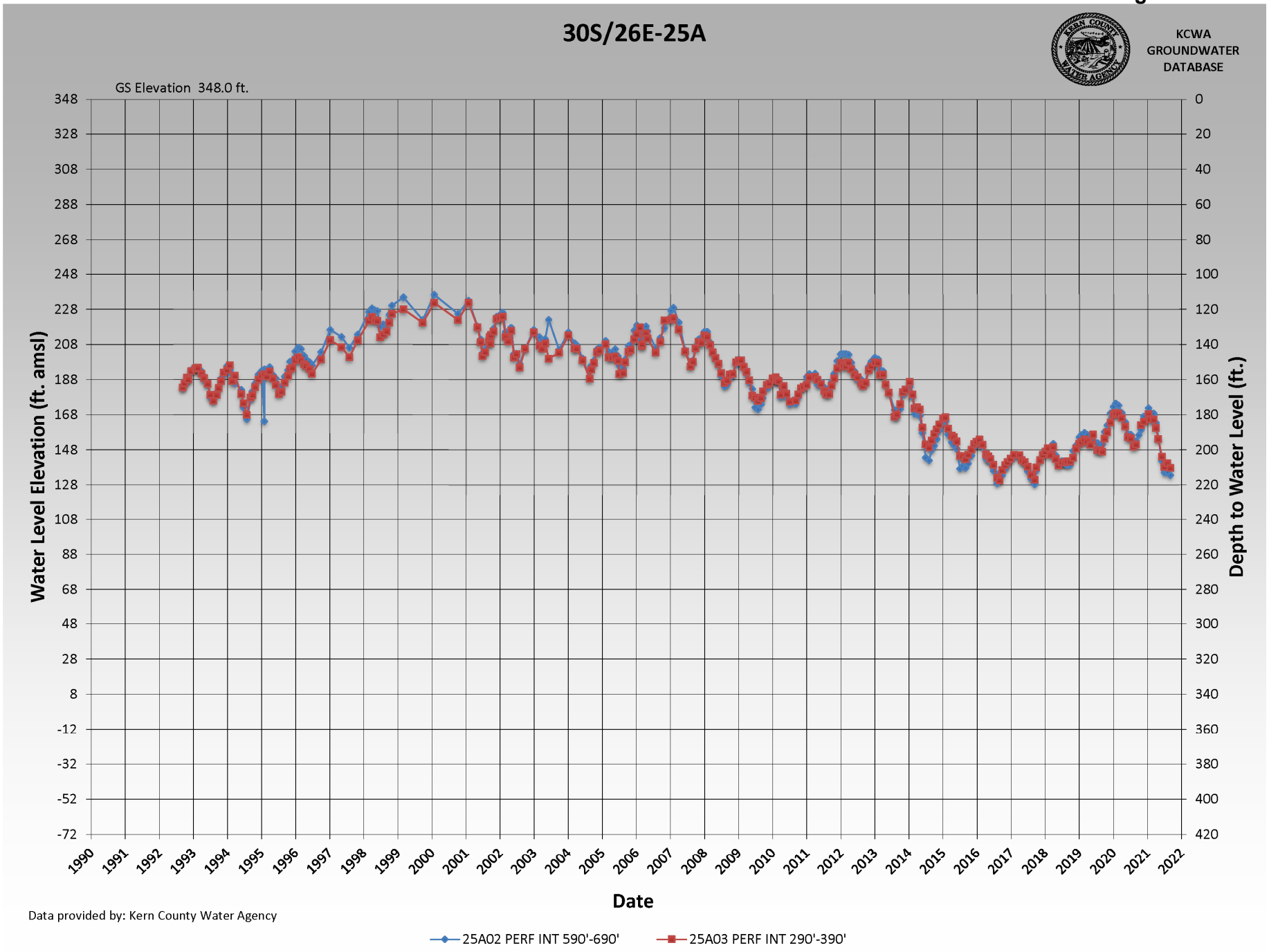

30S/26E-25A
KCWA GROUNDWATER DATABASE
GS Elevation 348.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
348
328
308
288
268
248
228
208
188
168
148
128
108
88
68
48
28
8
-12
-32
-52
-72
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
25A02 PERF INT 590'-690'
25A03 PERF INT 290'-390'

Figure 1-3-81

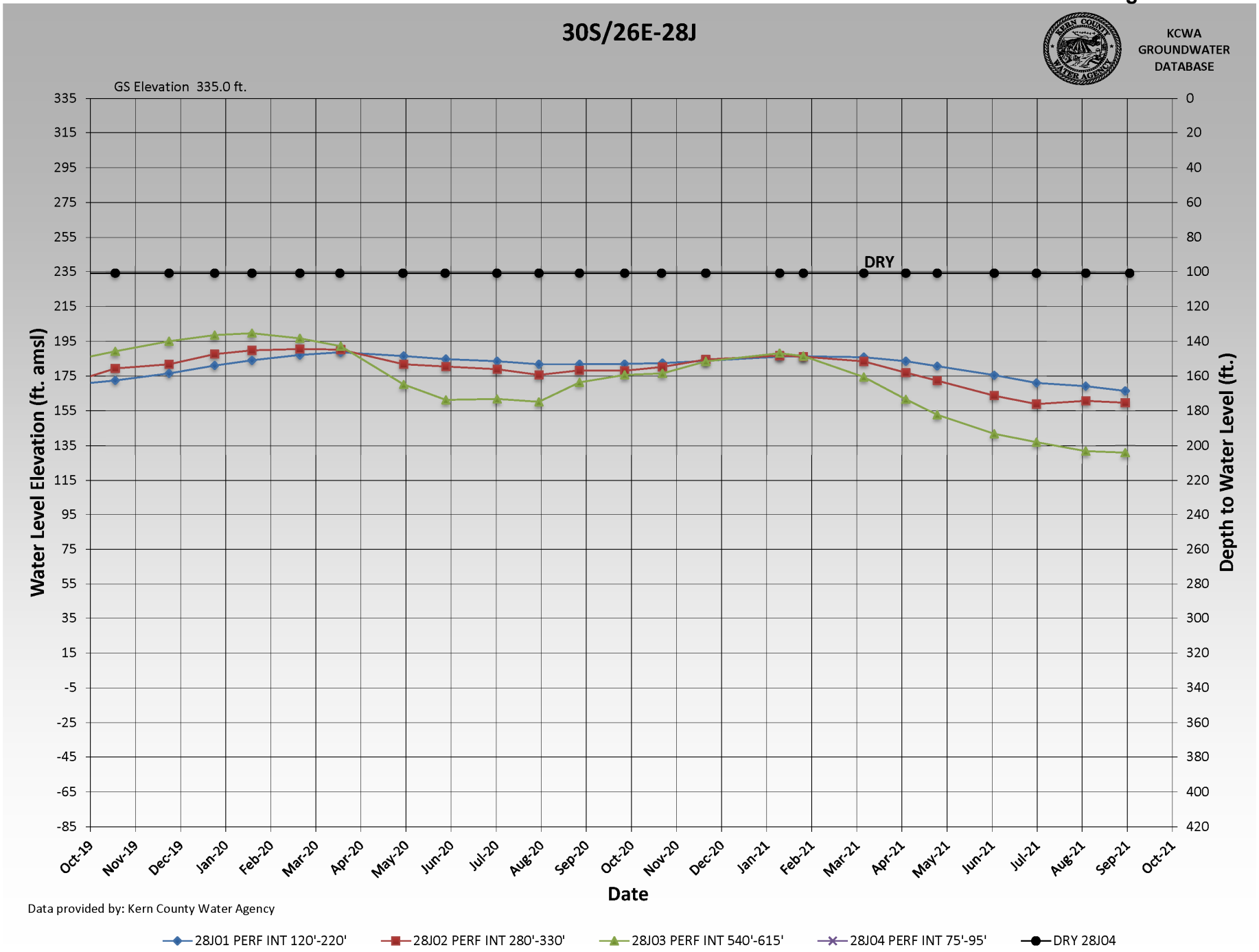

30S/26E-28J
KCWA GROUNDWATER DATABASE
GS Elevation 335.0 ft.
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
335 315 295 275 255 235 215 195 175 155 135 115 95 75 55 35 15 -5 -25 -45 -65 -85
0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420
Oct-19 Nov-19 Dec-19 Jan-20 Feb-20 Mar-20 Apr-20 May-20 Jun-20 Jul-20 Aug-20 Sep-20 Oct-20 Nov-20 Dec-20 Jan-21 Feb-21 Mar-21 Apr-21 May-21 Jun-21 Jul-21 Aug-21 Sep-21 Oct-21
Data provided by: Kern County Water Agency
28J01 PERF INT 120'-220'
28J02 PERF INT 280'-330'
28J03 PERF INT 540'-615'
28J04 PERF INT 75'-95'
DRY 28J04

Figure 1-3-82

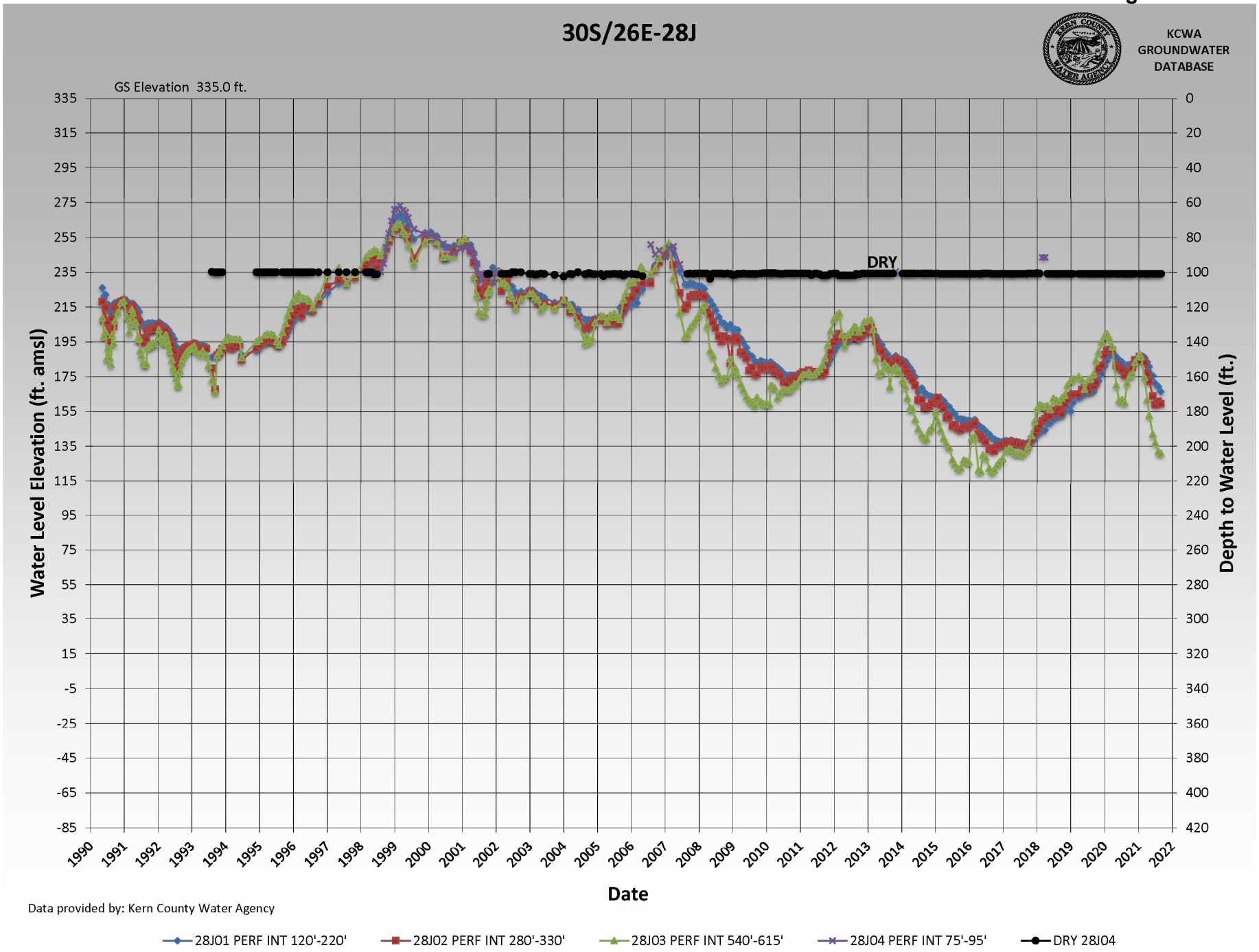

30S/26E-28J
KCWA GROUNDWATER DATABASE
GS Elevation 335.0 ft.
DRY
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Kern County Water Agency
28J01 PERF INT 120'-220'
28J02 PERF INT 280'-330'
28J03 PERF INT 540'-615'
28J04 PERF INT 75'-95'
DRY 28J04

Figure 1-3-83

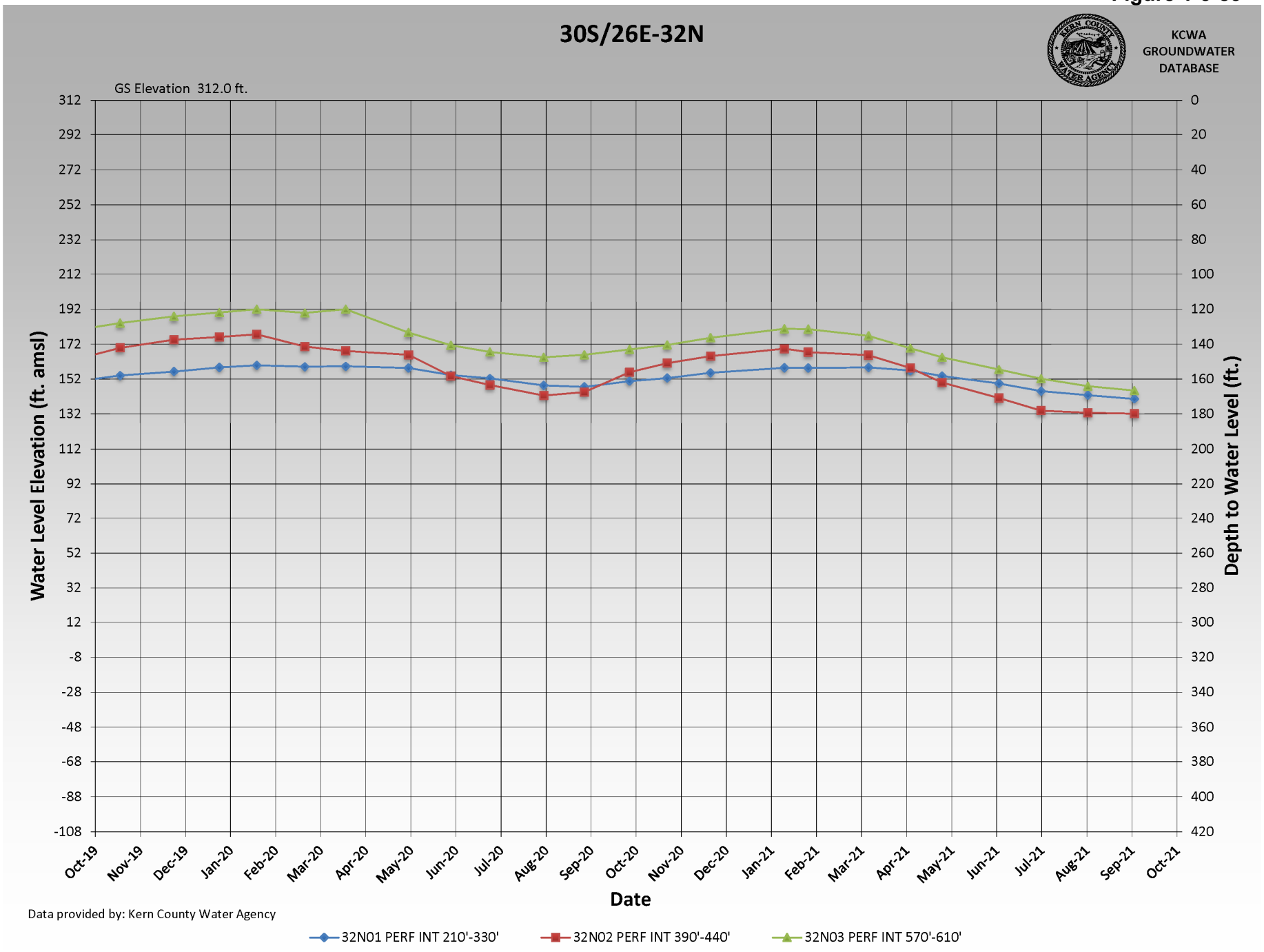

30S/26E-32N
KCWA GROUNDWATER DATABASE
GS Elevation 312.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
312
292
272
252
232
212
192
172
152
132
112
92
72
52
32
12
-8
-28
-48
-68
-88
-108
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
32N01 PERF INT 210'-330'
32N02 PERF INT 390'-440'
32N03 PERF INT 570'-610'

Figure 1-3-84

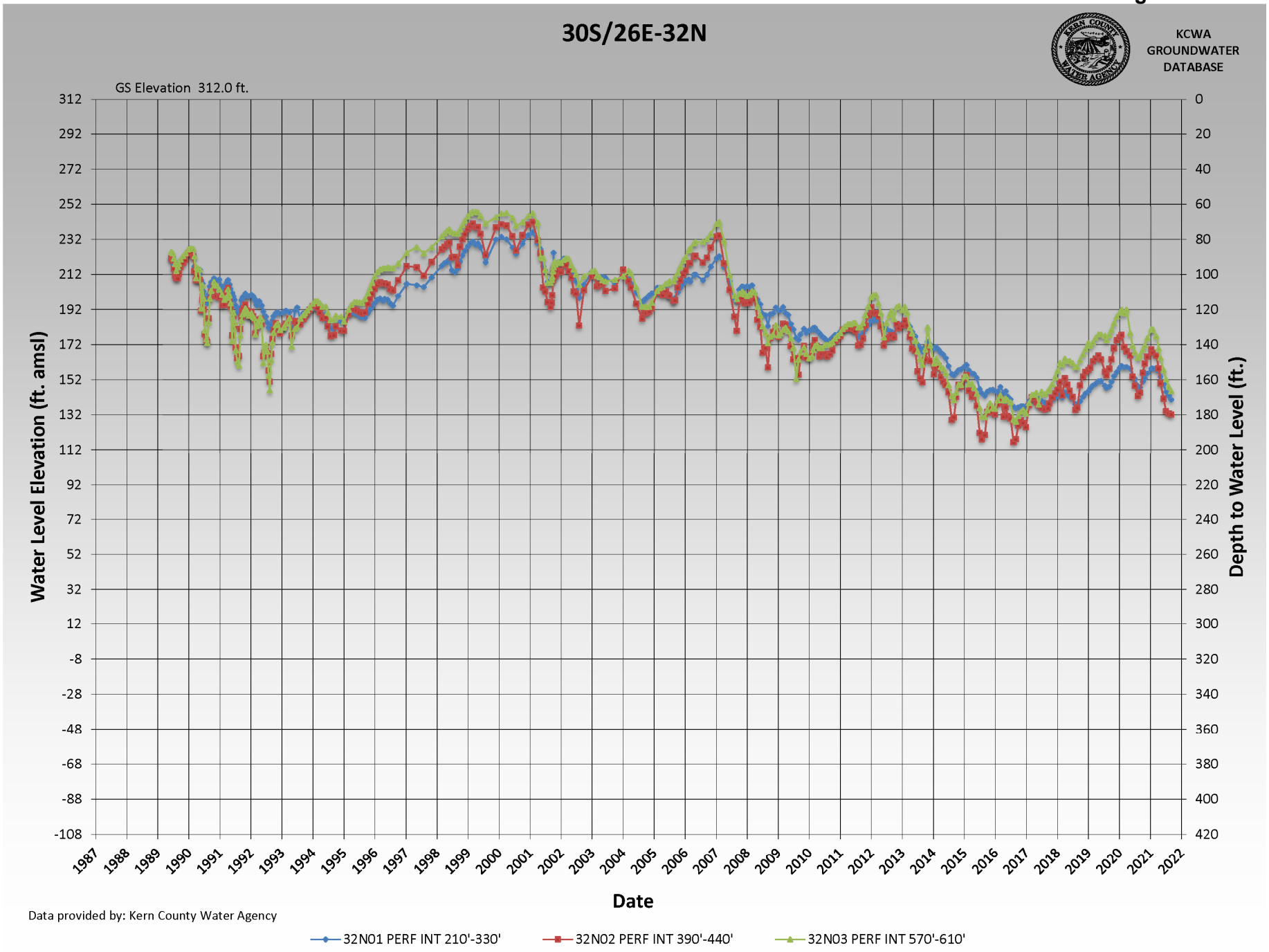

30S/26E-32N
KCWA
GROUNDWATER
DATABASE
GS Elevation 312.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
312
292
272
252
232
212
192
172
152
132
112
92
72
52
32
12
-8
-28
-48
-68
-88
-108
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern County Water Agency
32N01 PERF INT 210'-330'
32N02 PERF INT 390'-440'
32N03 PERF INT 570'-610'

Figure 1-3-85

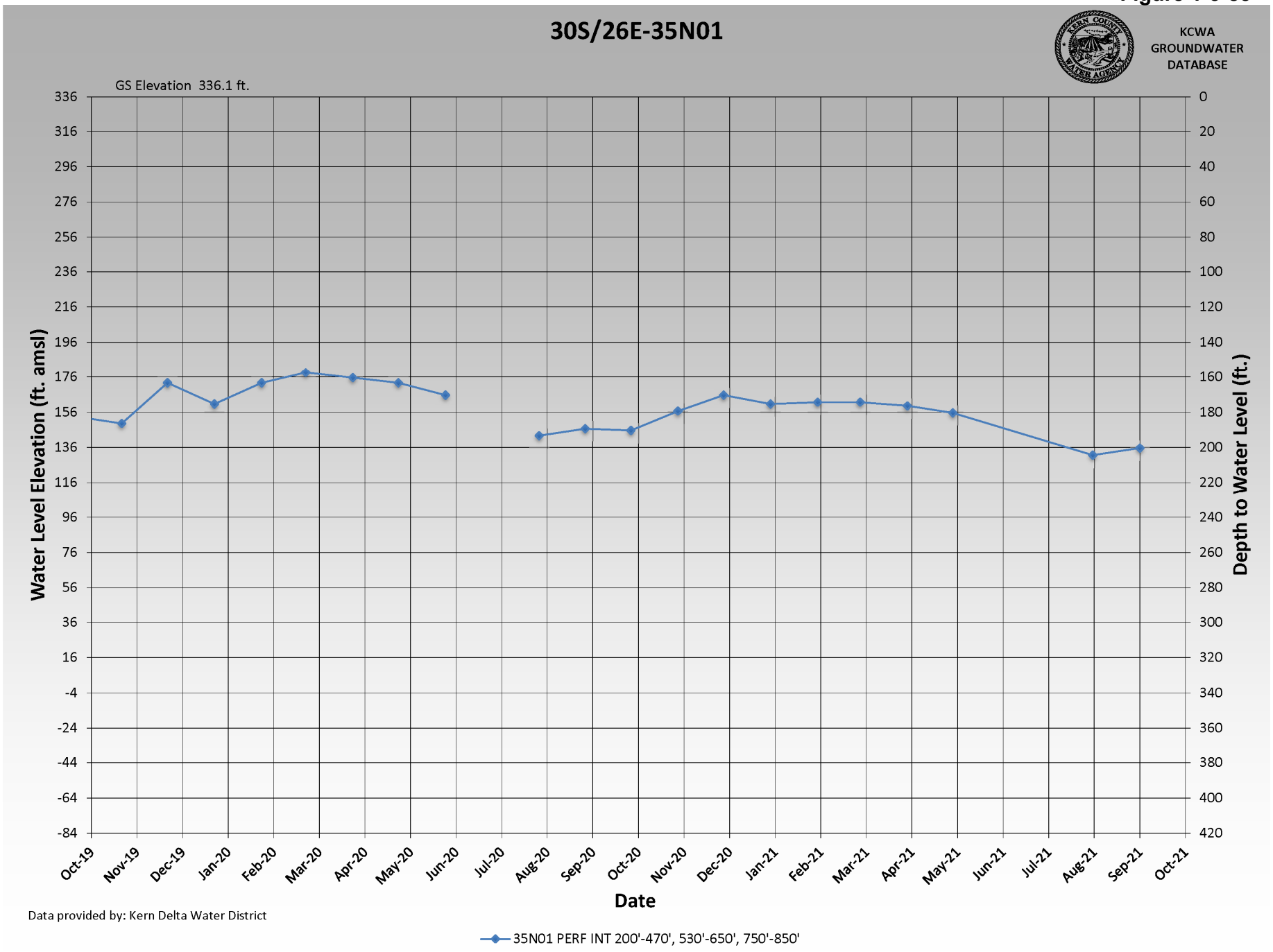

30S/26E-35N01
KCWA GROUNDWATER DATABASE
GS Elevation 336.1 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
336
316
296
276
256
236
216
196
176
156
136
116
96
76
56
36
16
-4
-24
-44
-64
-84
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern Delta Water District
35N01 PERF INT 200'-470', 530'-650', 750'-850'

Figure 1-3-86

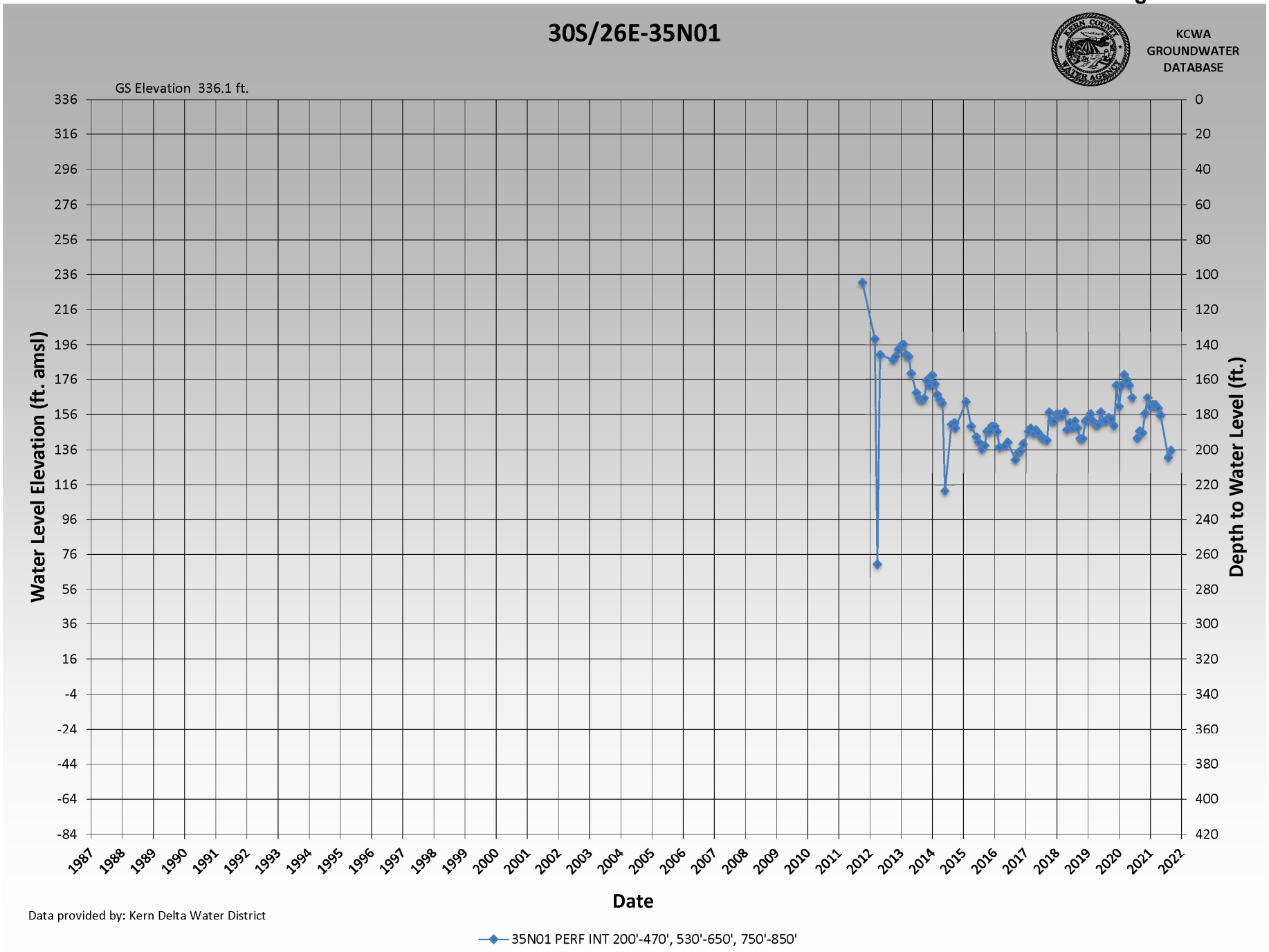

30S/26E-35N01
KCWA GROUNDWATER DATABASE
GS Elevation 336.1 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
336
316
296
276
256
236
216
196
176
156
136
116
96
76
56
36
16
-4
-24
-44
-64
-84
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern Delta Water District
35N01 PERF INT 200'-470', 530'-650', 750'-850'

Figure 1-3-87

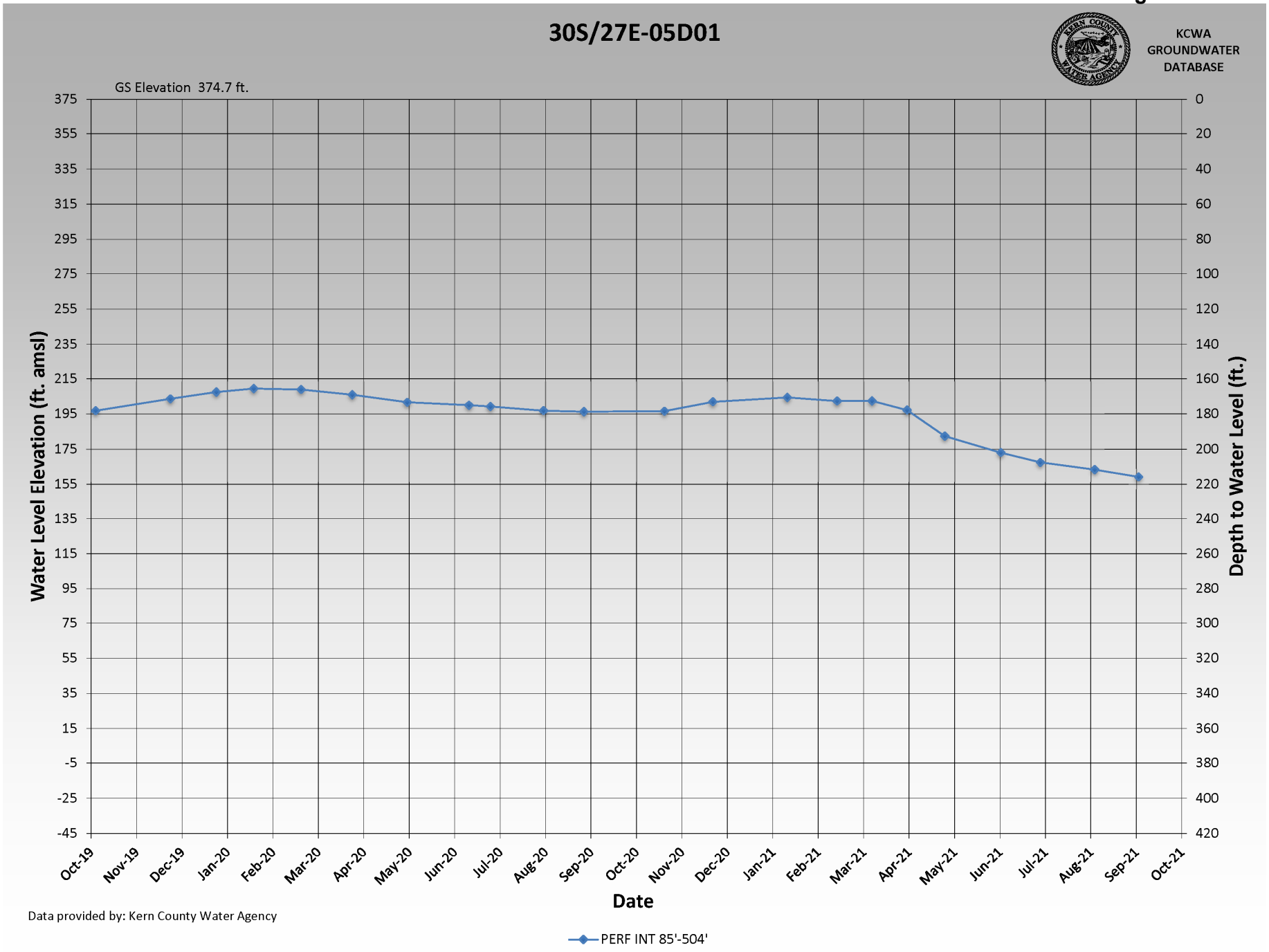

30S/27E-05D01
KCWA GROUNDWATER DATABASE
GS Elevation 374.7 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
375
355
335
315
295
275
255
235
215
195
175
155
135
115
95
75
55
35
15
-5
-25
-45
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern County Water Agency
PERF INT 85'-504'

Figure 1-3-88

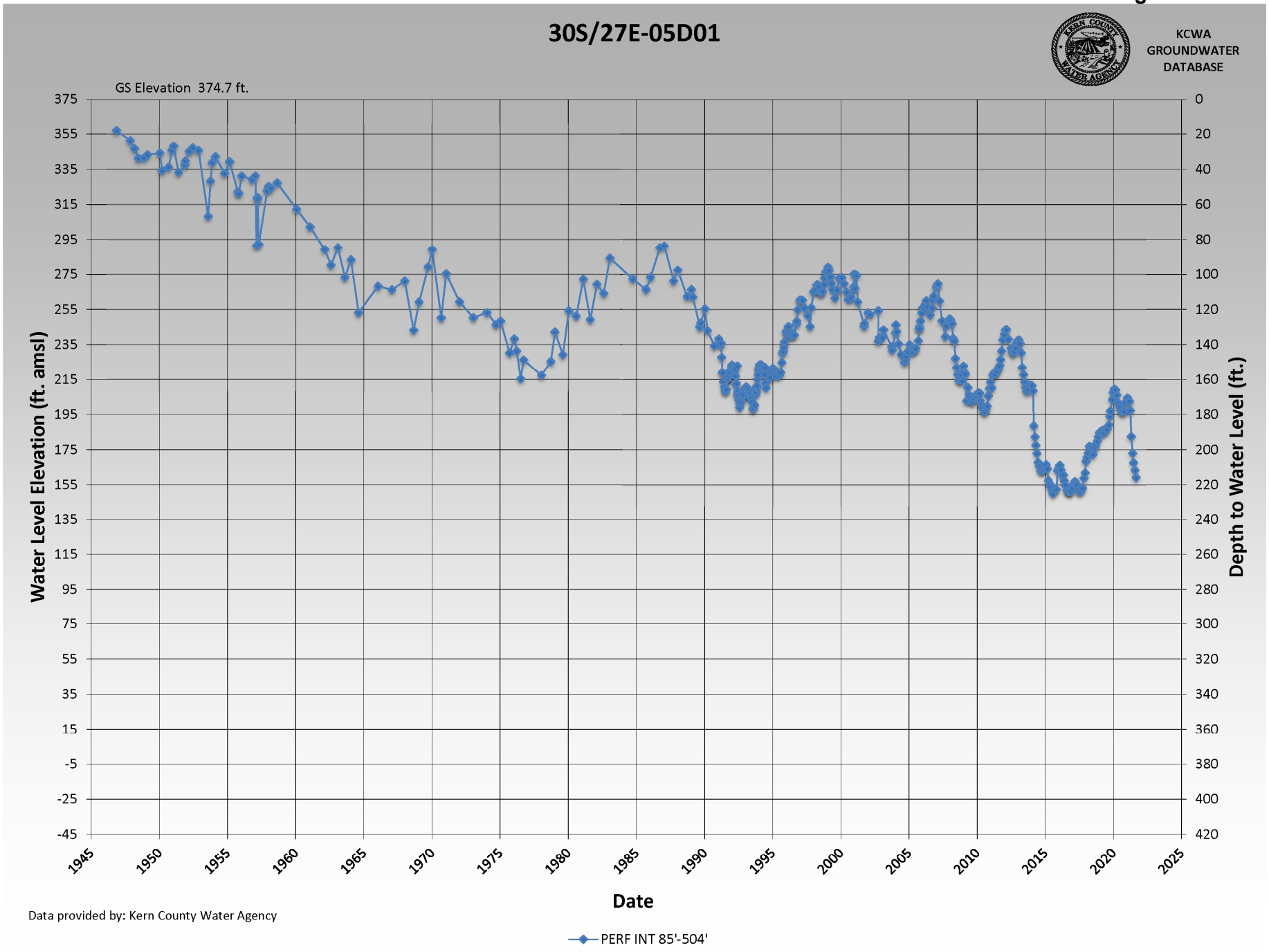

30S/27E-05D01
KCWA GROUNDWATER DATABASE
GS Elevation 374.7 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
375
355
335
315
295
275
255
235
215
195
175
155
135
115
95
75
55
35
15
-5
-25
-45
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1945
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
2025
Date
Data provided by: Kern County Water Agency
PERF INT 85'-504'

Figure 1-3-89

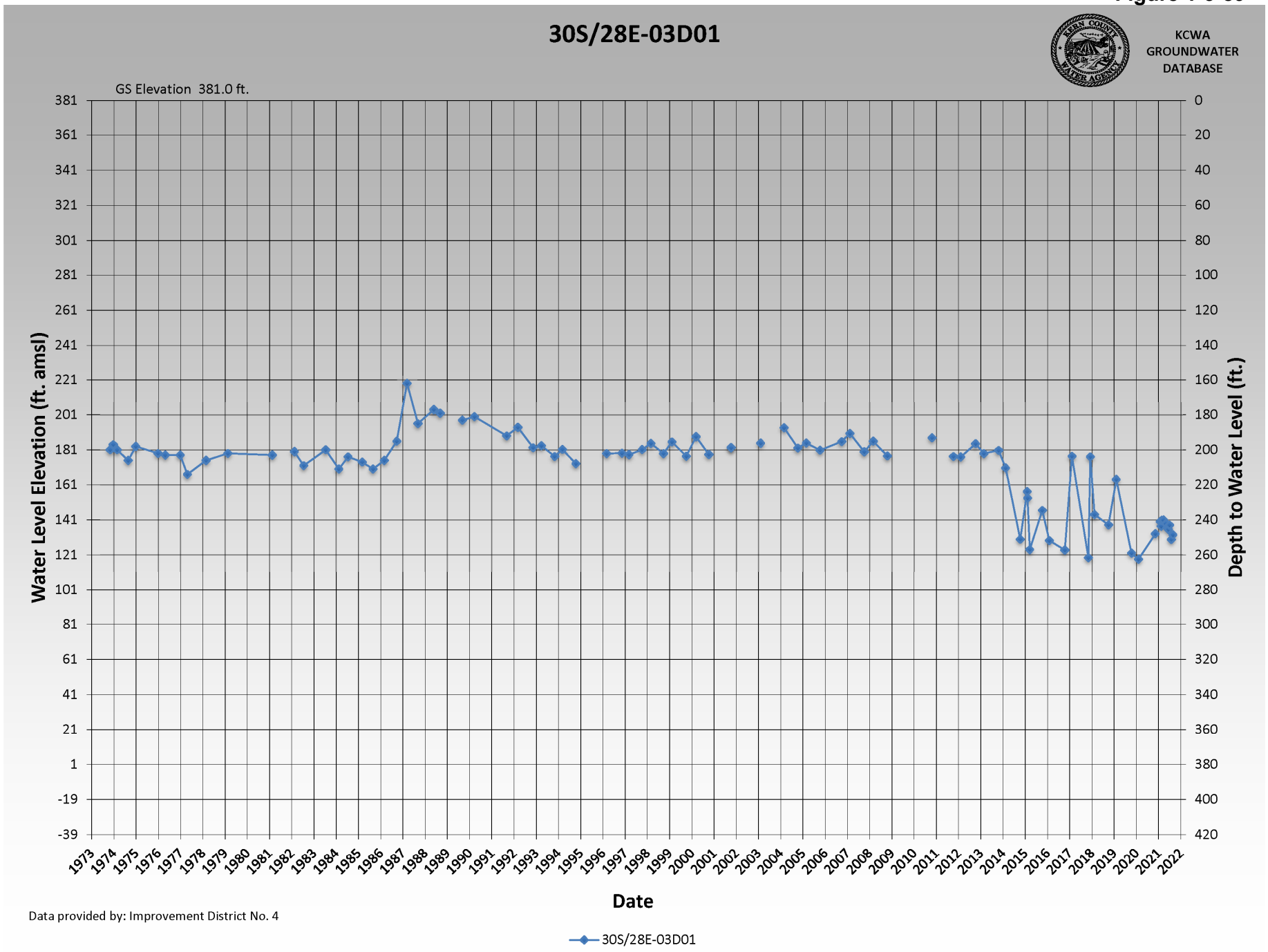

30S/28E-03D01
KCWA
GROUNDWATER
DATABASE
GS Elevation 381.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Improvement District No. 4
30S/28E-03D01

Figure 1-3-90

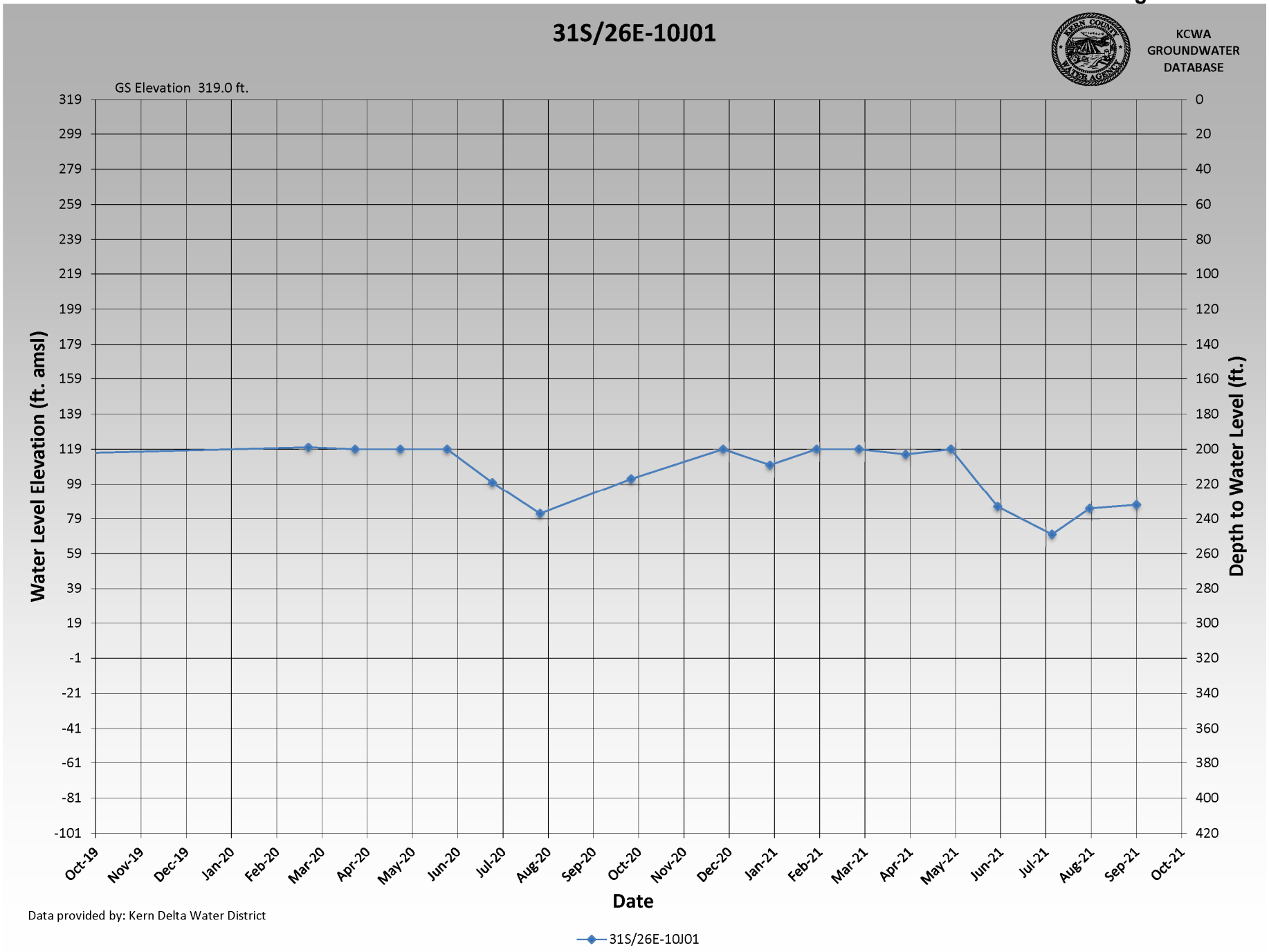

31S/26E-10J01
KCWA GROUNDWATER DATABASE
GS Elevation 319.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
319
299
279
259
239
219
199
179
159
139
119
99
79
59
39
19
-1
-21
-41
-61
-81
-101
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern Delta Water District
31S/26E-10J01

Figure 1-3-91

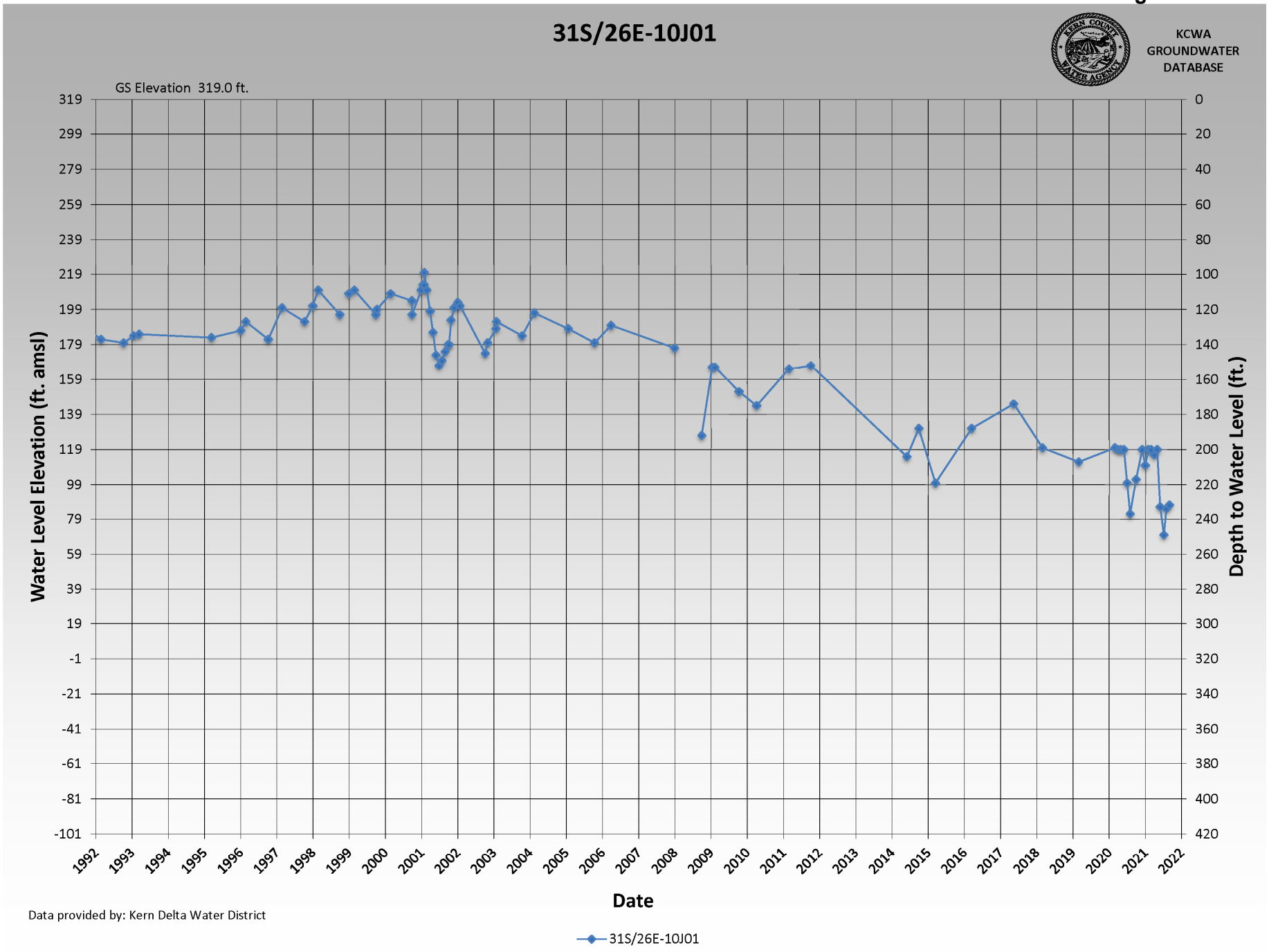

31S/26E-10J01
KCWA
GROUNDWATER
DATABASE
GS Elevation 319.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
319
299
279
259
239
219
199
179
159
139
119
99
79
59
39
19
-1
-21
-41
-61
-81
-101
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern Delta Water District
31S/26E-10J01

Figure 1-3-92

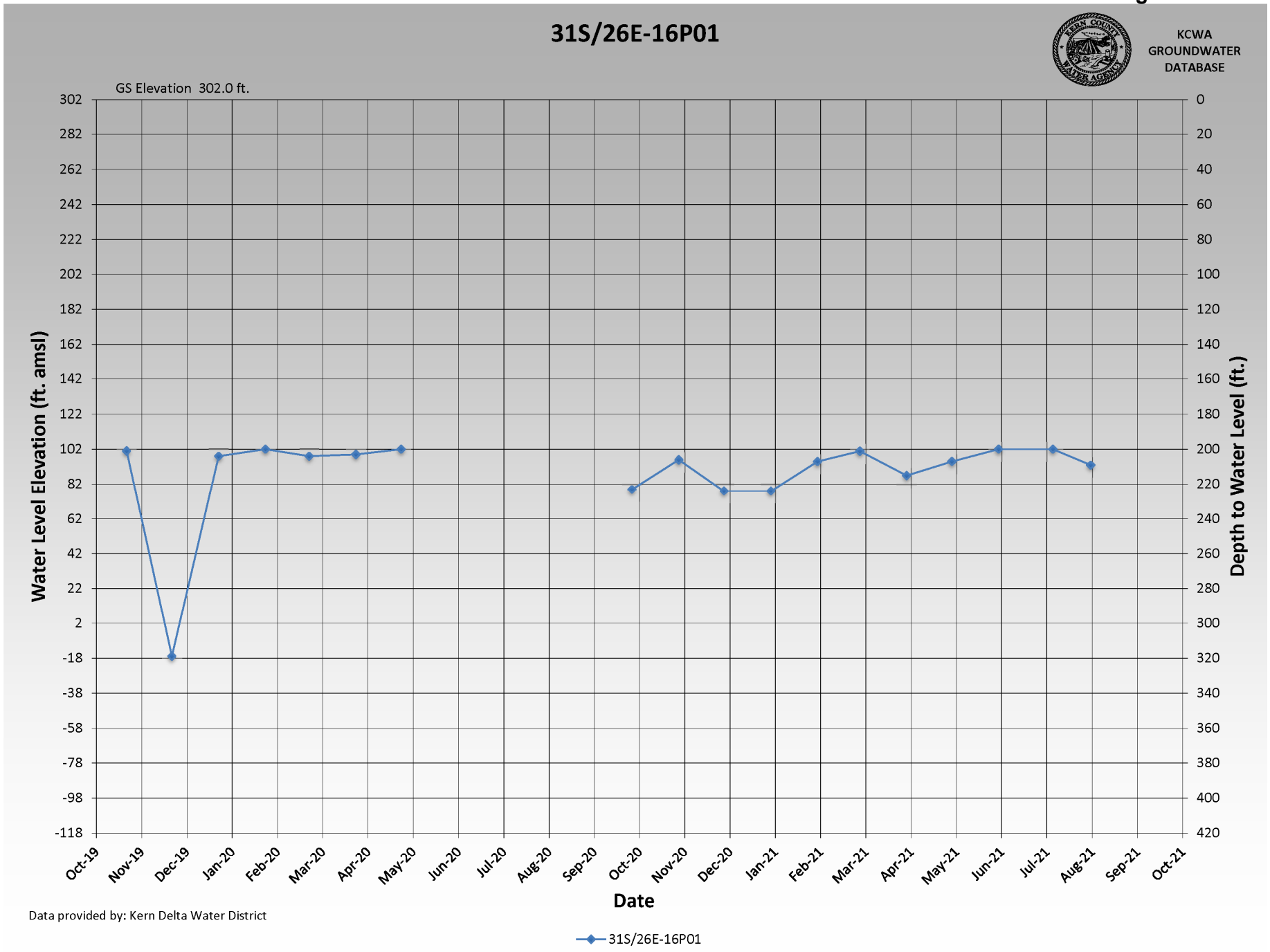

31S/26E-16P01
KCWA GROUNDWATER DATABASE
GS Elevation 302.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
302
282
262
242
222
202
182
162
142
122
102
82
62
42
22
2
-18
-38
-58
-78
-98
-118
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern Delta Water District
31S/26E-16P01

Figure 1-3-93

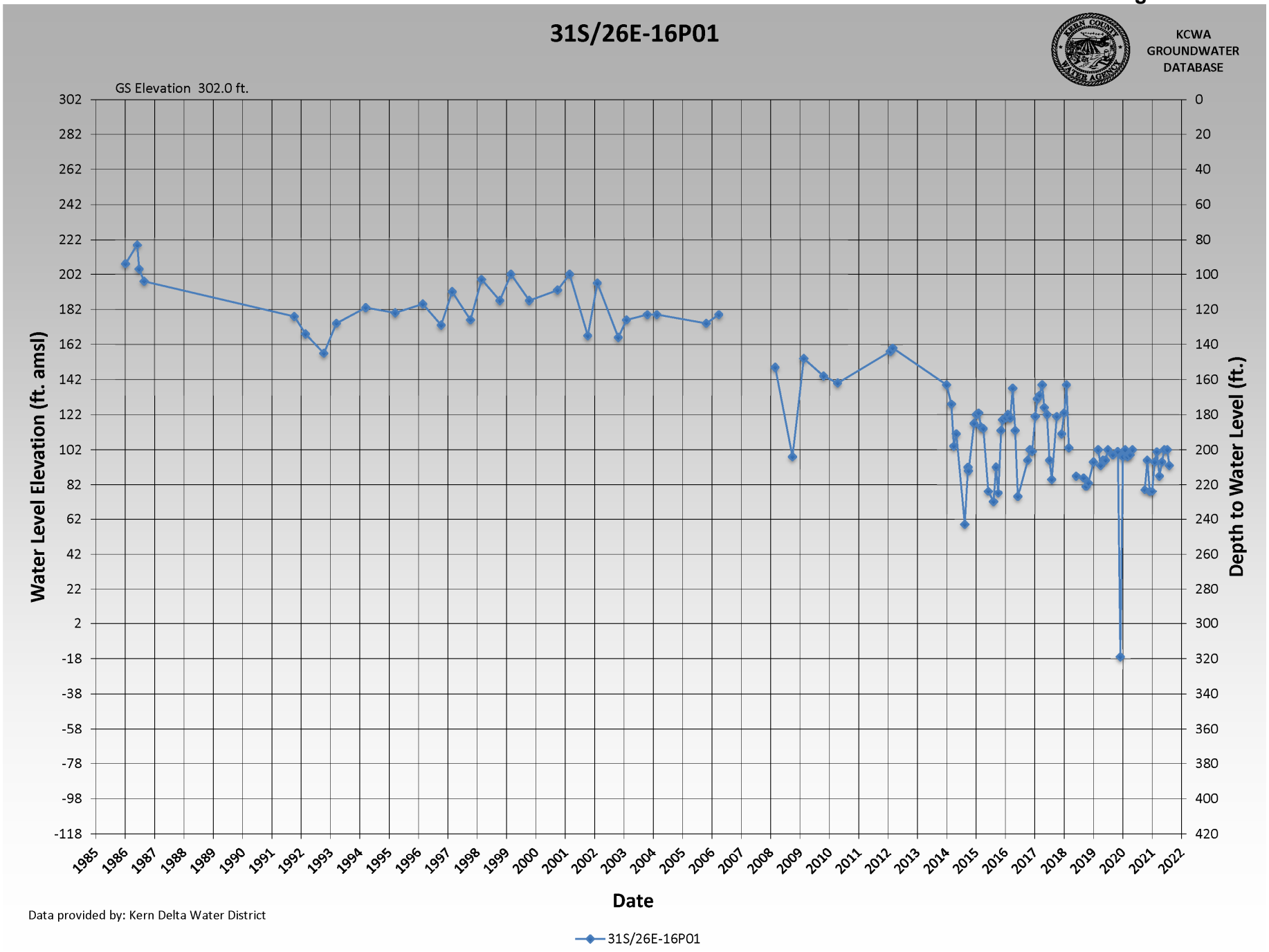

31S/26E-16P01
KCWA GROUNDWATER DATABASE
GS Elevation 302.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
Date
Data provided by: Kern Delta Water District
31S/26E-16P01

Figure 1-3-94

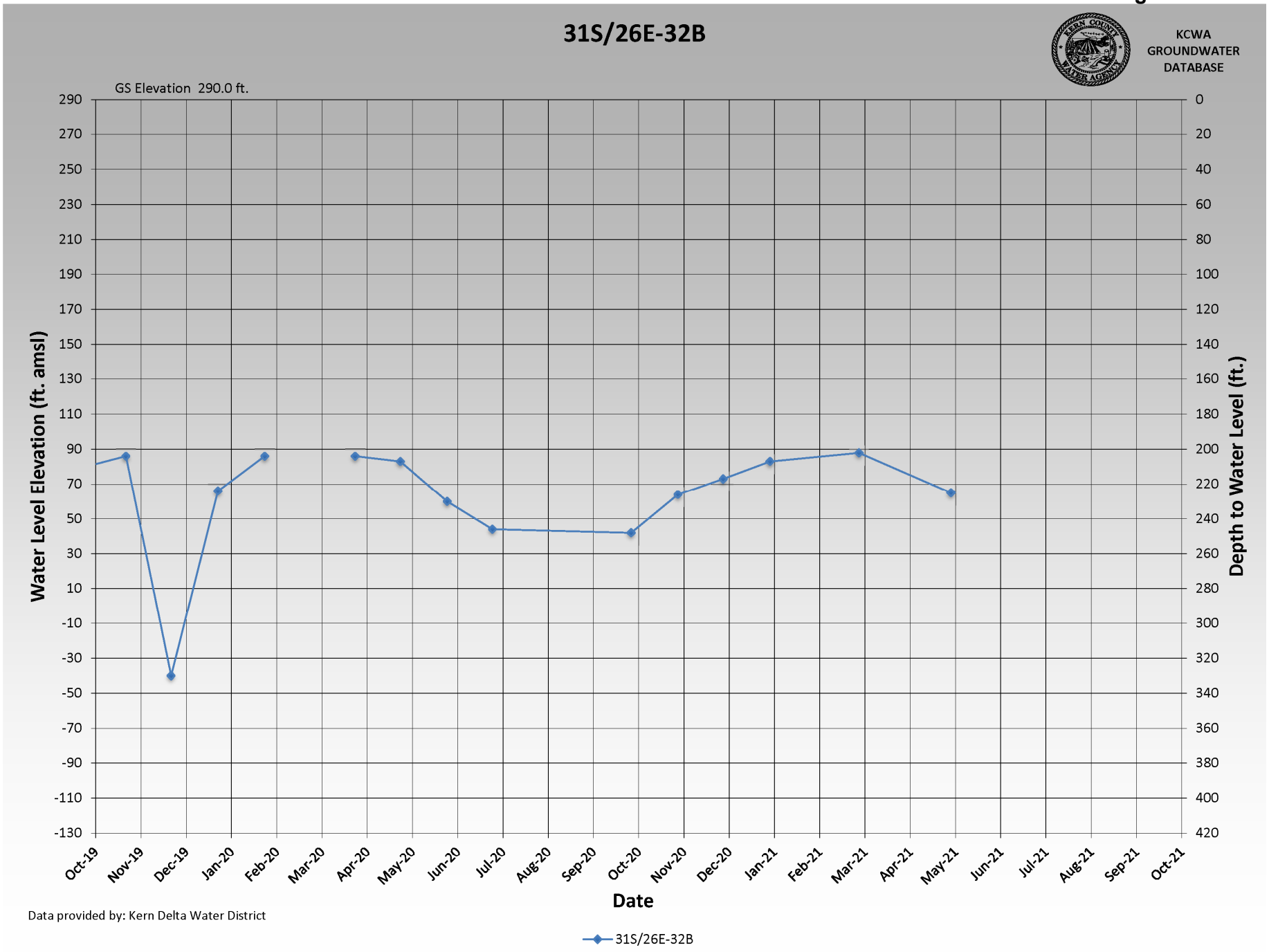

31S/26E-32B
KCWA GROUNDWATER DATABASE
GS Elevation 290.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
290
270
250
230
210
190
170
150
130
110
90
70
50
30
10
-10
-30
-50
-70
-90
-110
-130
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
Oct-19
Nov-19
Dec-19
Jan-20
Feb-20
Mar-20
Apr-20
May-20
Jun-20
Jul-20
Aug-20
Sep-20
Oct-20
Nov-20
Dec-20
Jan-21
Feb-21
Mar-21
Apr-21
May-21
Jun-21
Jul-21
Aug-21
Sep-21
Oct-21
Date
Data provided by: Kern Delta Water District
31S/26E-32B

Figure 1-3-95

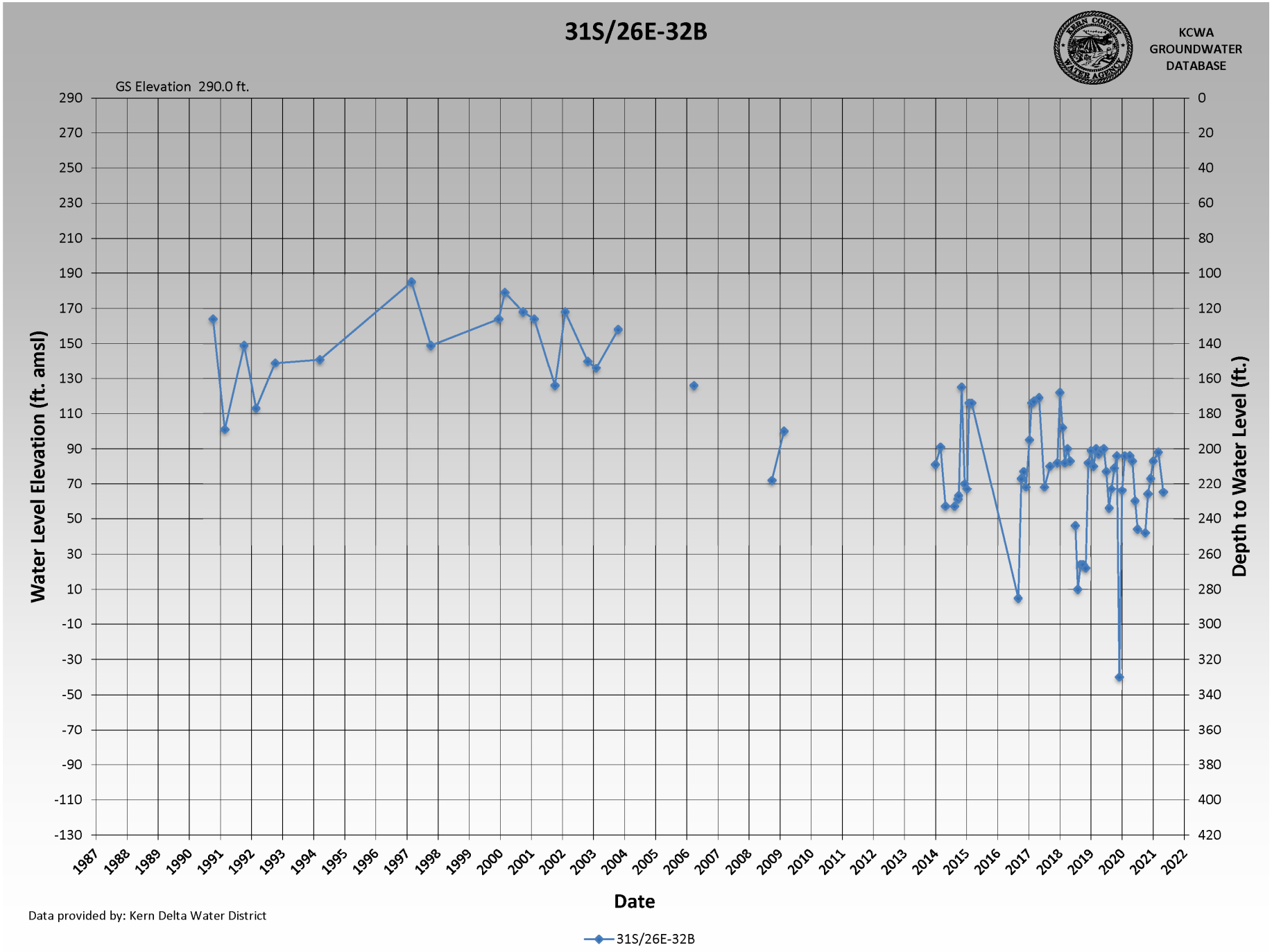

31S/26E-32B
KCWA GROUNDWATER DATABASE
GS Elevation 290.0 ft.
Water Level Elevation (ft. amsl)
Depth to Water Level (ft.)
290
270
250
230
210
190
170
150
130
110
90
70
50
30
10
-10
-30
-50
-70
-90
-110
-130
0
20
40
60
80
100
120
140
160
180
200
220
240
260
280
300
320
340
360
380
400
420
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
Date
Data provided by: Kern Delta Water District
31S/26E-32B

Figure 1-4-1

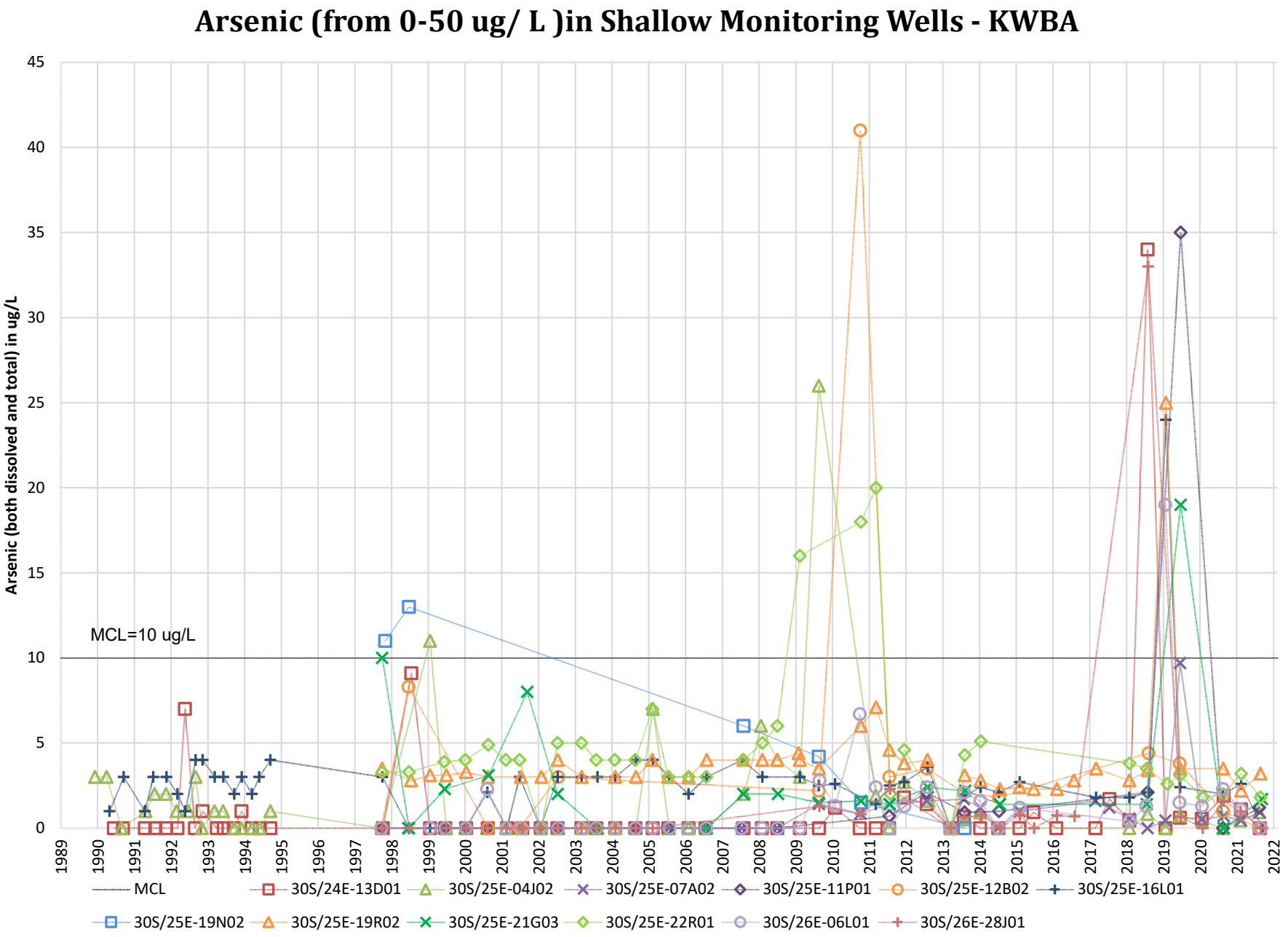

Arsenic (from 0-50 ug/ L)in Shallow Monitoring Wells - KWBA
Arsenic (both dissolved and total) in ug/L
45
40
35
30
25
20
15
10
5
0
MCL=10 ug/L
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/24E-13D01
30S/25E-04J02
30S/25E-07A02
30S/25E-11P01
30S/25E-12B02
30S/25E-16L01
30S/25E-19N02
30S/25E-19R02
30S/25E-21G03
30S/25E-22R01
30S/26E-06L01
30S/26E-28J01

Figure 1-4-2

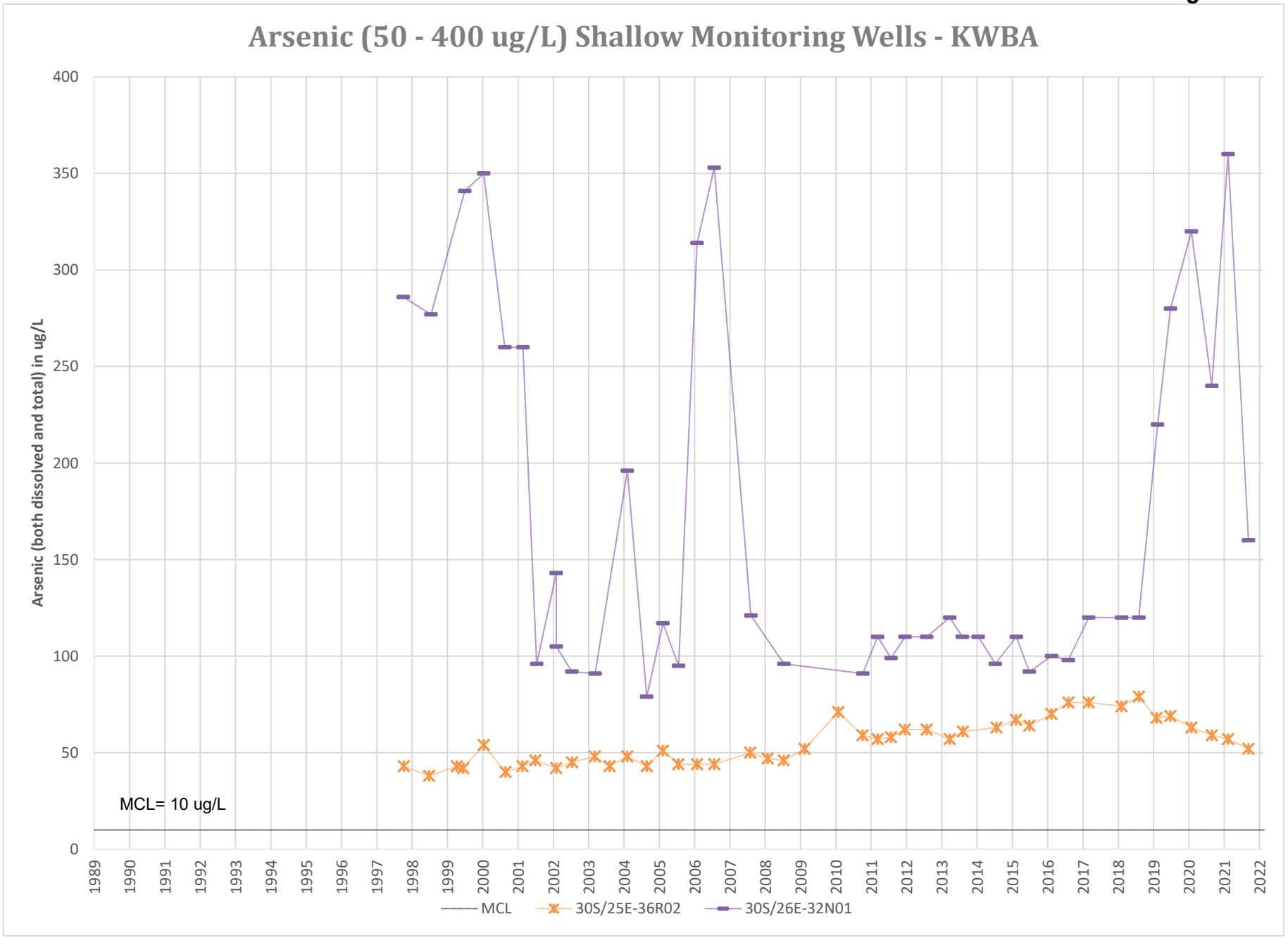

Arsenic (50 - 400 ug/L) Shallow Monitoring Wells - KWBA
Arsenic (both dissolved and total) in ug/L
400
350
300
250
200
150
100
50
0
MCL= 10 ug/L
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/25E-36R02
30S/26E-32N01

Figure 1-4-3

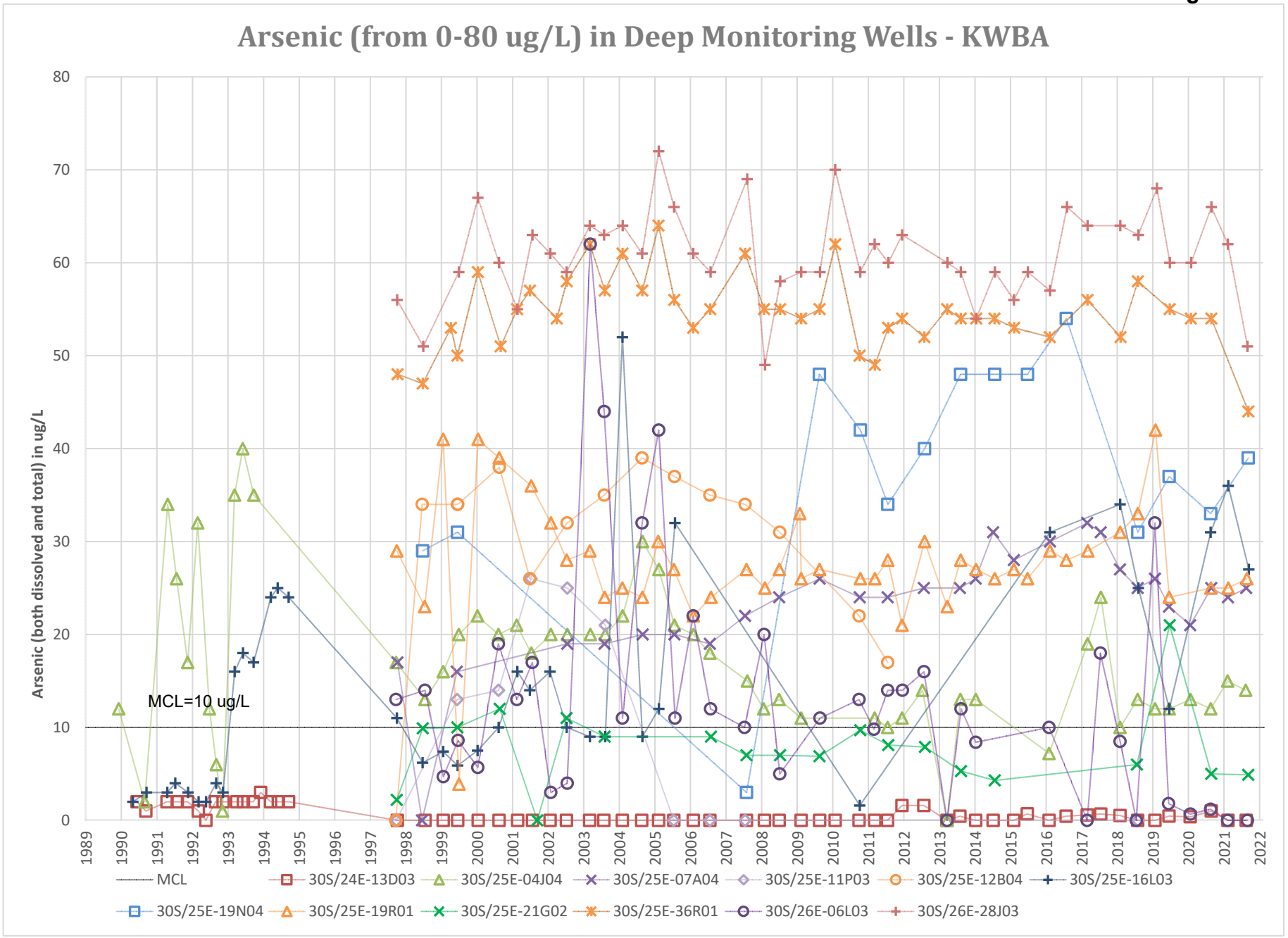

Arsenic (from 0-80 ug/L) in Deep Monitoring Wells - KWBA
Arsenic (both dissolved and total) in ug/L
MCL=10 ug/L
MCL
30S/24E-13D03
30S/25E-04J04
30S/25E-07A04
30S/25E-11P03
30S/25E-12B04
30S/25E-16L03
30S/25E-19N04
30S/25E-19R01
30S/25E-21G02
30S/25E-36R01
30S/26E-06L03
30S/26E-28J03

Figure 1-4-4

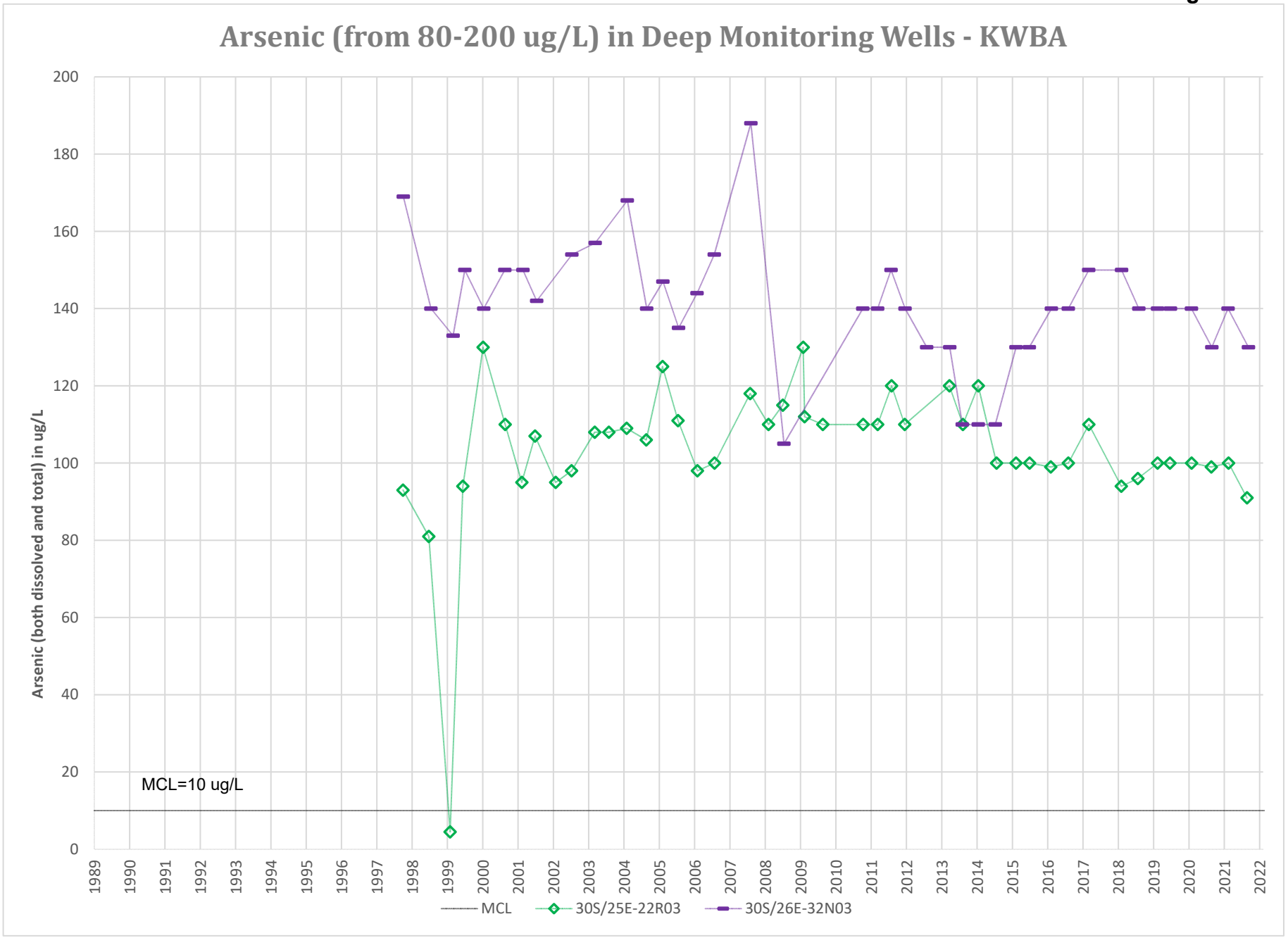

Arsenic (from 80-200 ug/L) in Deep Monitoring Wells - KWBA
Arsenic (both dissolved and total) in ug/L
200
180
160
140
120
100
80
60
40
20
0
MCL=10 ug/L
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/25E-22R03
30S/26E-32N03

Figure 1-4-5

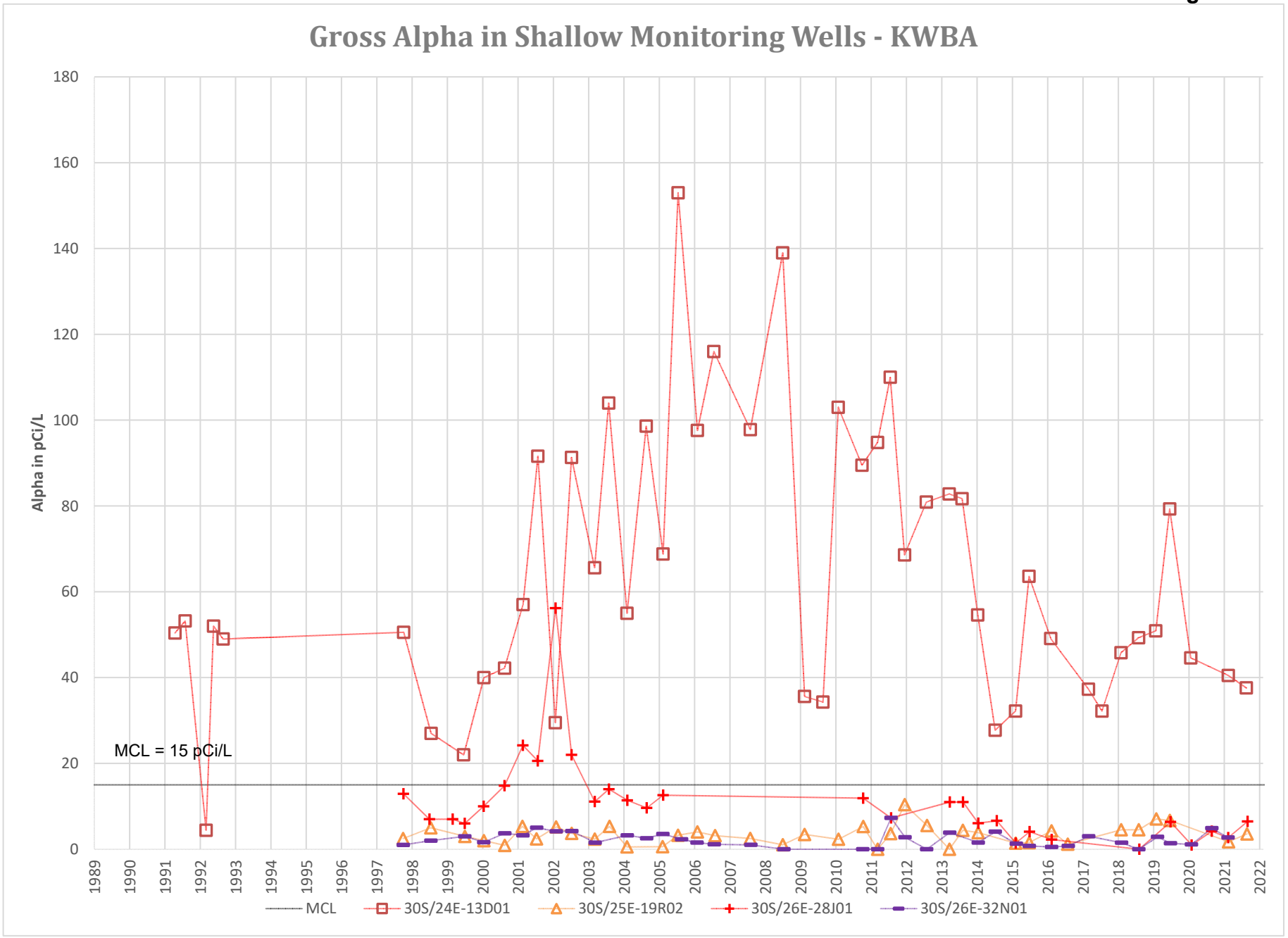

Gross Alpha in Shallow Monitoring Wells - KWBA
Alpha in pCi/L
180
160
140
120
100
80
60
40
20
0
MCL = 15 pCi/L
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/24E-13D01
30S/25E-19R02
30S/26E-28J01
30S/26E-32N01

Figure 1-4-6

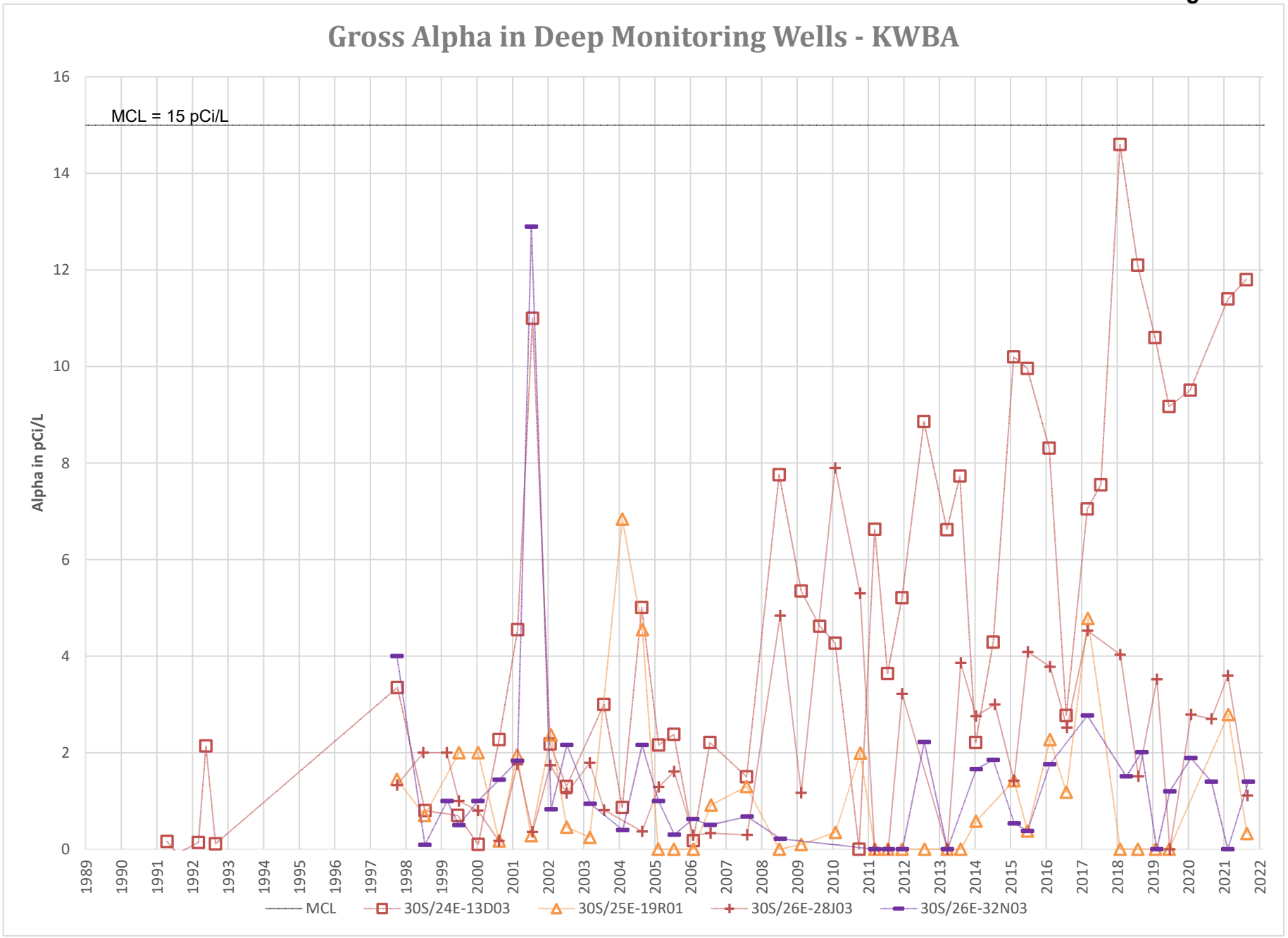

Gross Alpha in Deep Monitoring Wells - KWBA
MCL = 15 pCi/L
Alpha in pCi/L
16
14
12
10
8
6
4
2
0
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/24E-13D03
30S/25E-19R01
30S/26E-28J03
30S/26E-32N03

Figure 1-4-7

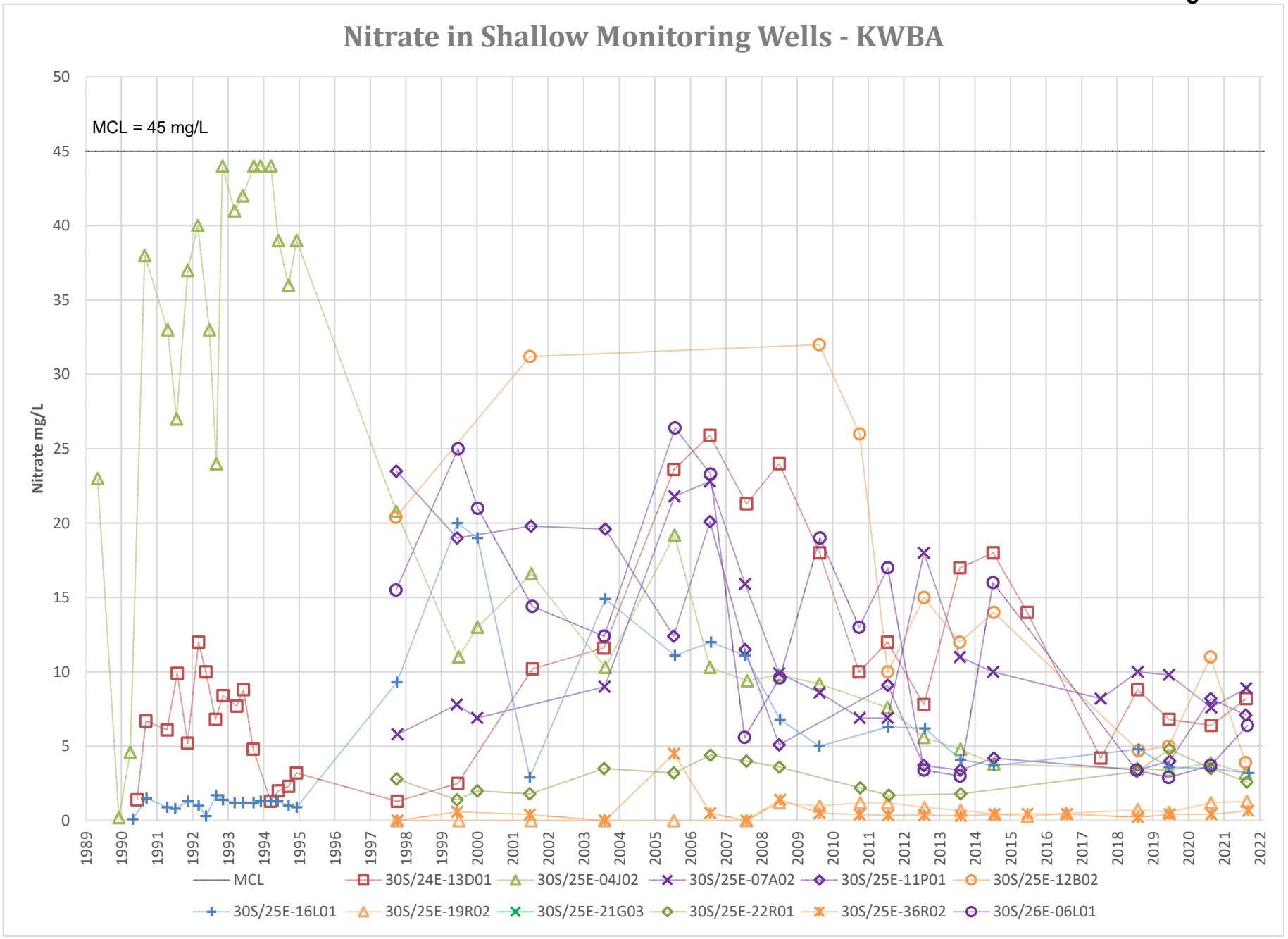

Nitrate in Shallow Monitoring Wells - KWBA
MCL = 45 mg/L
Nitrate mg/L
50
45
40
35
30
25
20
15
10
5
0
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/24E-13D01
30S/25E-04J02
30S/25E-07A02
30S/25E-11P01
30S/25E-12B02
30S/25E-16L01
30S/25E-19R02
30S/25E-21G03
30S/25E-22R01
30S/25E-36R02
30S/26E-06L01

Figure 1-4-8

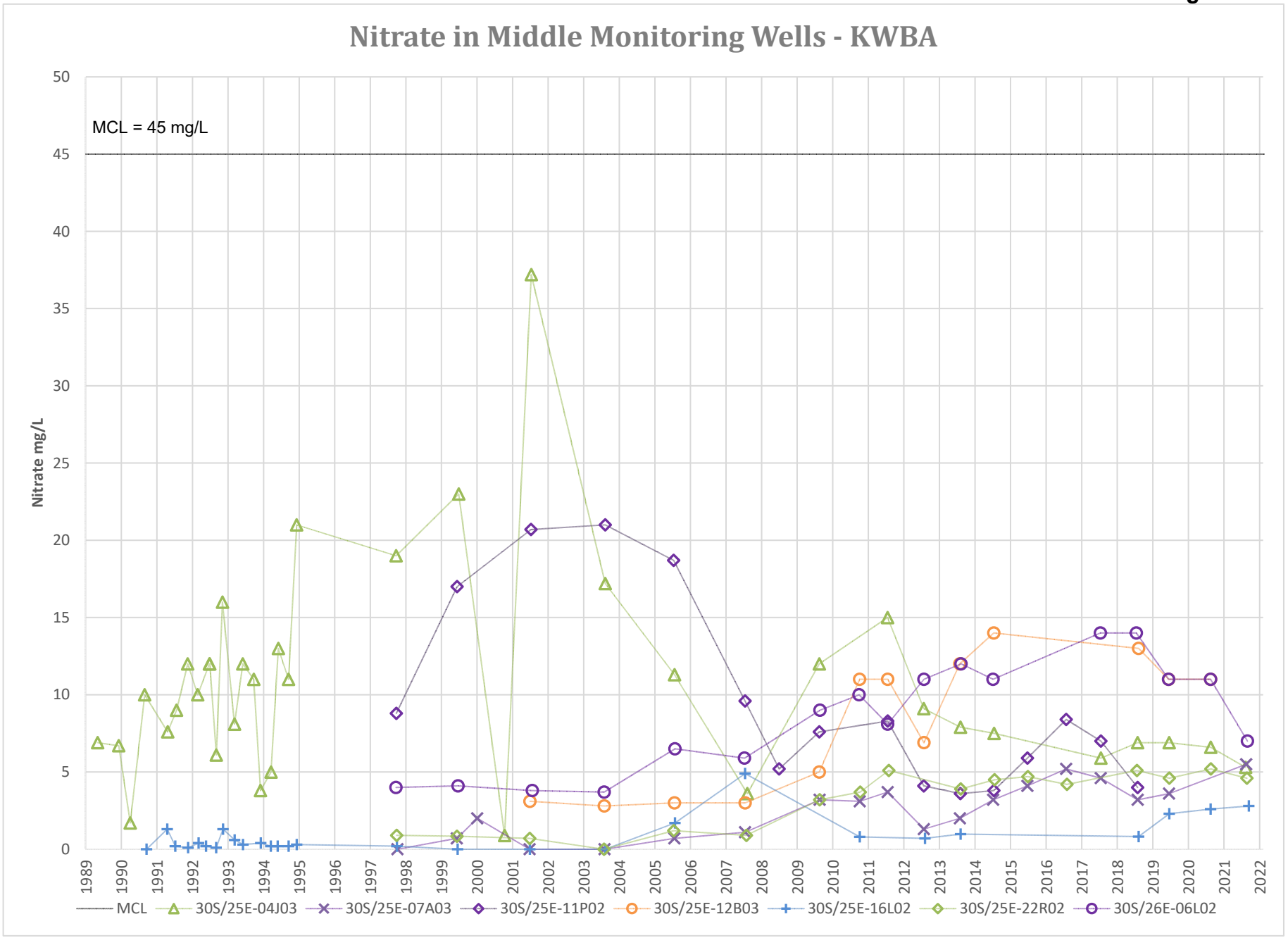

Nitrate in Middle Monitoring Wells - KWBA
MCL = 45 mg/L
Nitrate mg/L
50
45
40
35
30
25
20
15
10
5
0
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/25E-04J03
30S/25E-07A03
30S/25E-11P02
30S/25E-12B03
30S/25E-16L02
30S/25E-22R02
30S/26E-06L02

Figure 1-4-9

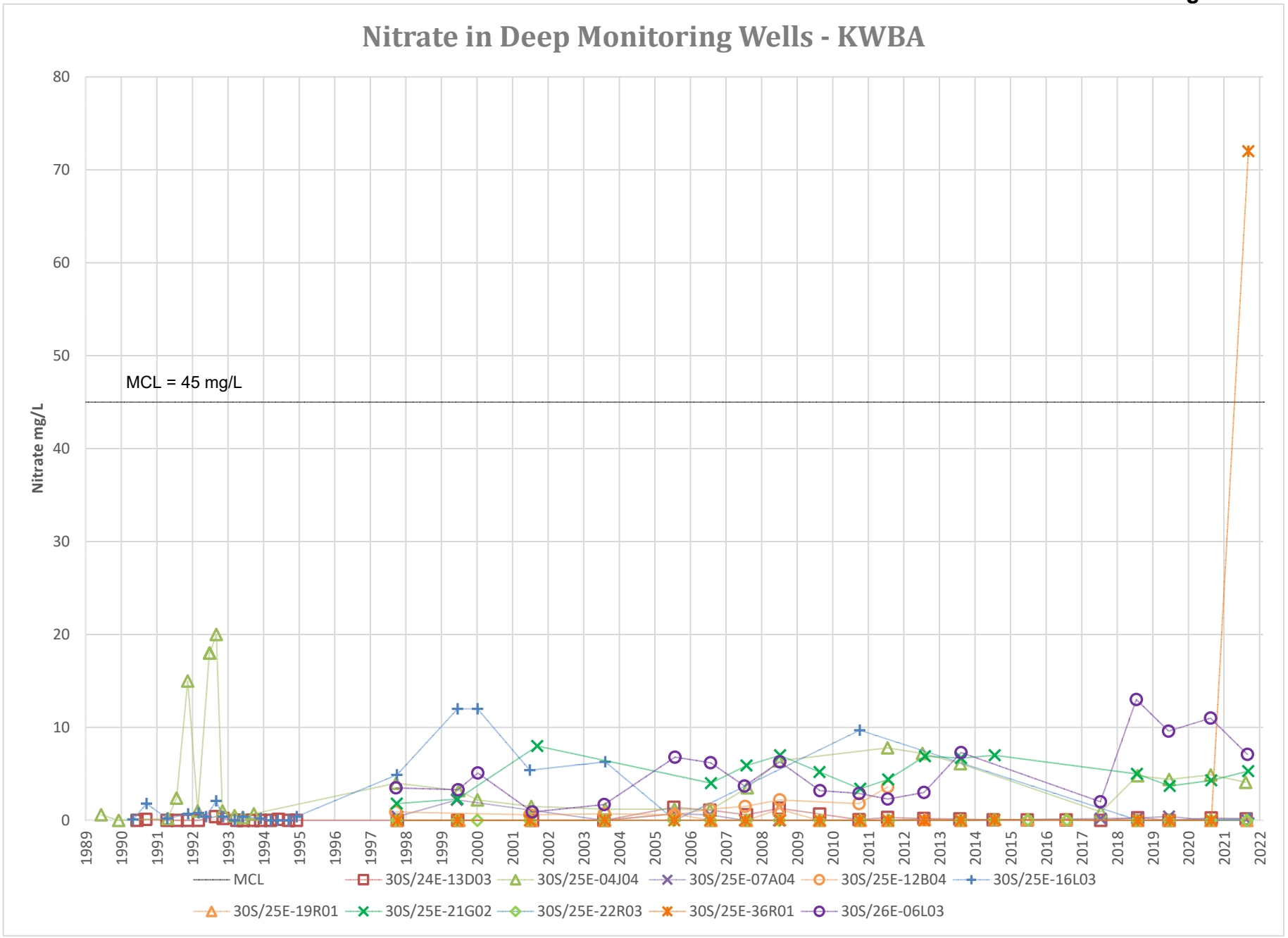

Nitrate in Deep Monitoring Wells - KWBA
Nitrate mg/L
80
70
60
50
40
30
20
10
0
MCL = 45 mg/L
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/24E-13D03
30S/25E-04J04
30S/25E-07A04
30S/25E-12B04
30S/25E-16L03
30S/25E-19R01
30S/25E-21G02
30S/25E-22R03
30S/25E-36R01
30S/26E-06L03

Figure 1-4-10

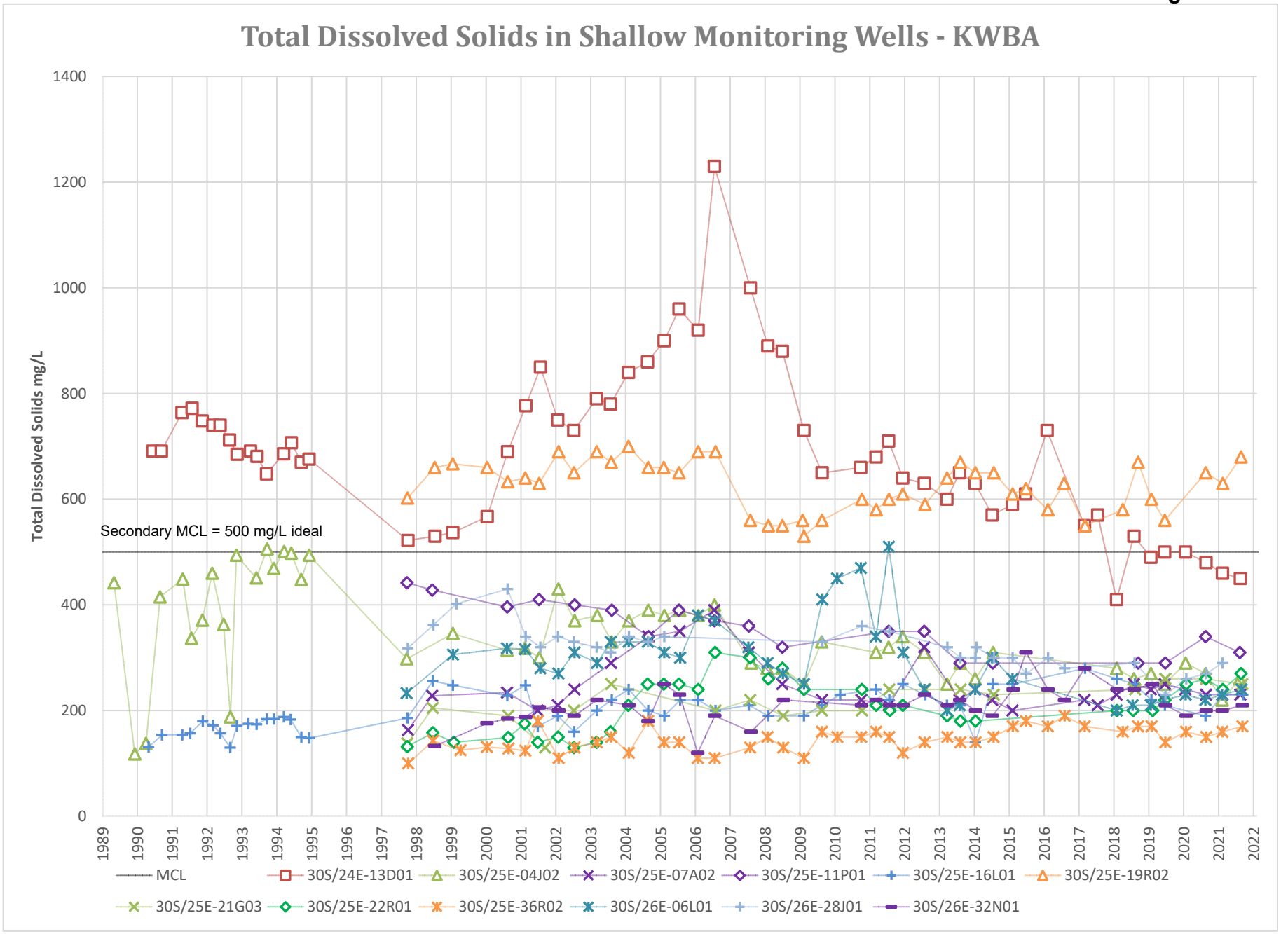

Total Dissolved Solids in Shallow Monitoring Wells - KWBA
Total Dissolved Solids mg/L
1400
1200
1000
800
600
400
200
0
Secondary MCL = 500 mg/L ideal
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/24E-13D01
30S/25E-04J02
30S/25E-07A02
30S/25E-11P01
30S/25E-16L01
30S/25E-19R02
30S/25E-21G03
30S/25E-22R01
30S/25E-36R02
30S/26E-06L01
30S/26E-28J01
30S/26E-32N01

Figure 1-4-11

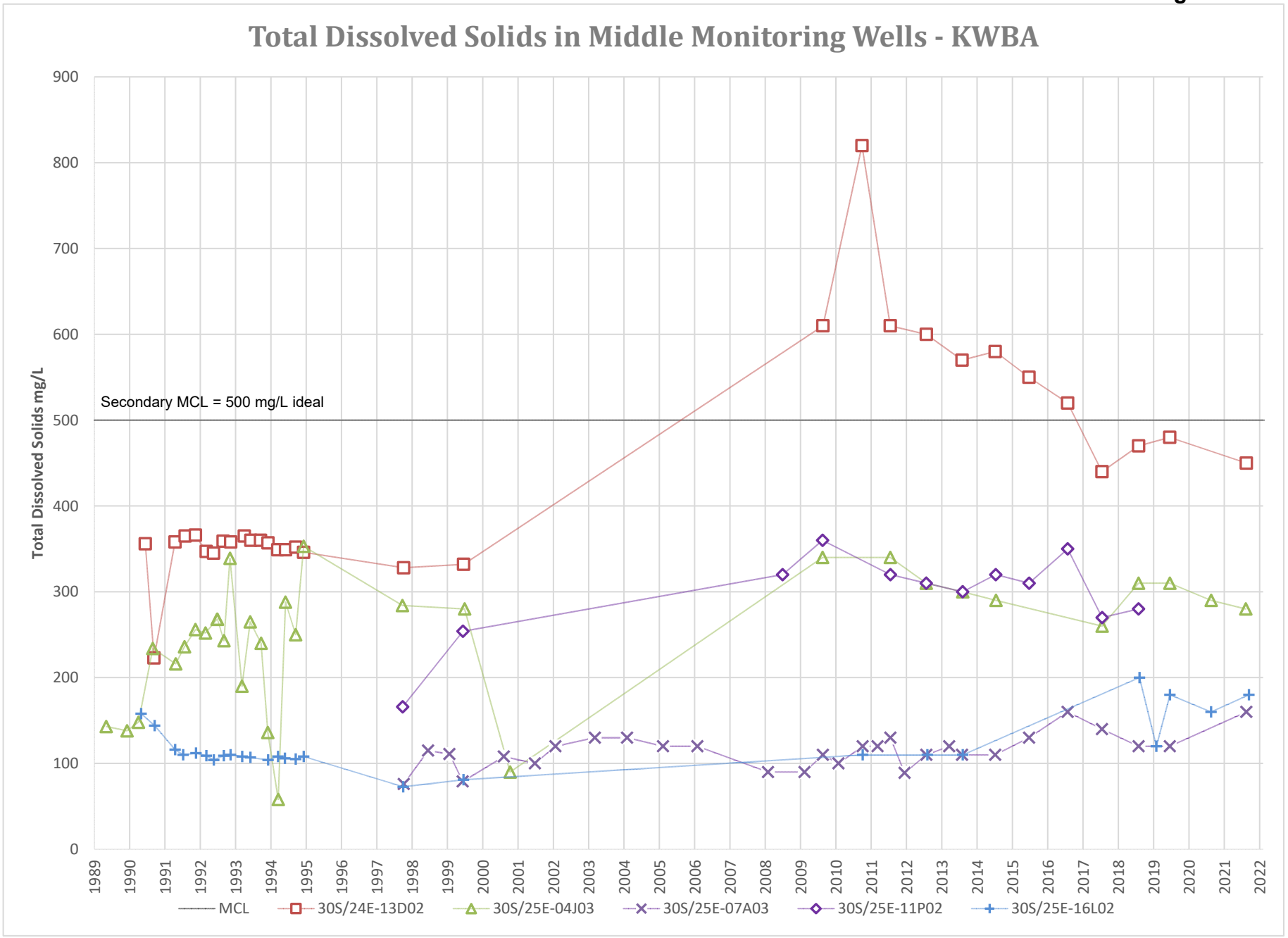

Total Dissolved Solids in Middle Monitoring Wells - KWBA
Total Dissolved Solids mg/L
Secondary MCL = 500 mg/L ideal
900
800
700
600
500
400
300
200
100
0
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/24E-13D02
30S/25E-04J03
30S/25E-07A03
30S/25E-11P02
30S/25E-16L02

Figure 1-4-12

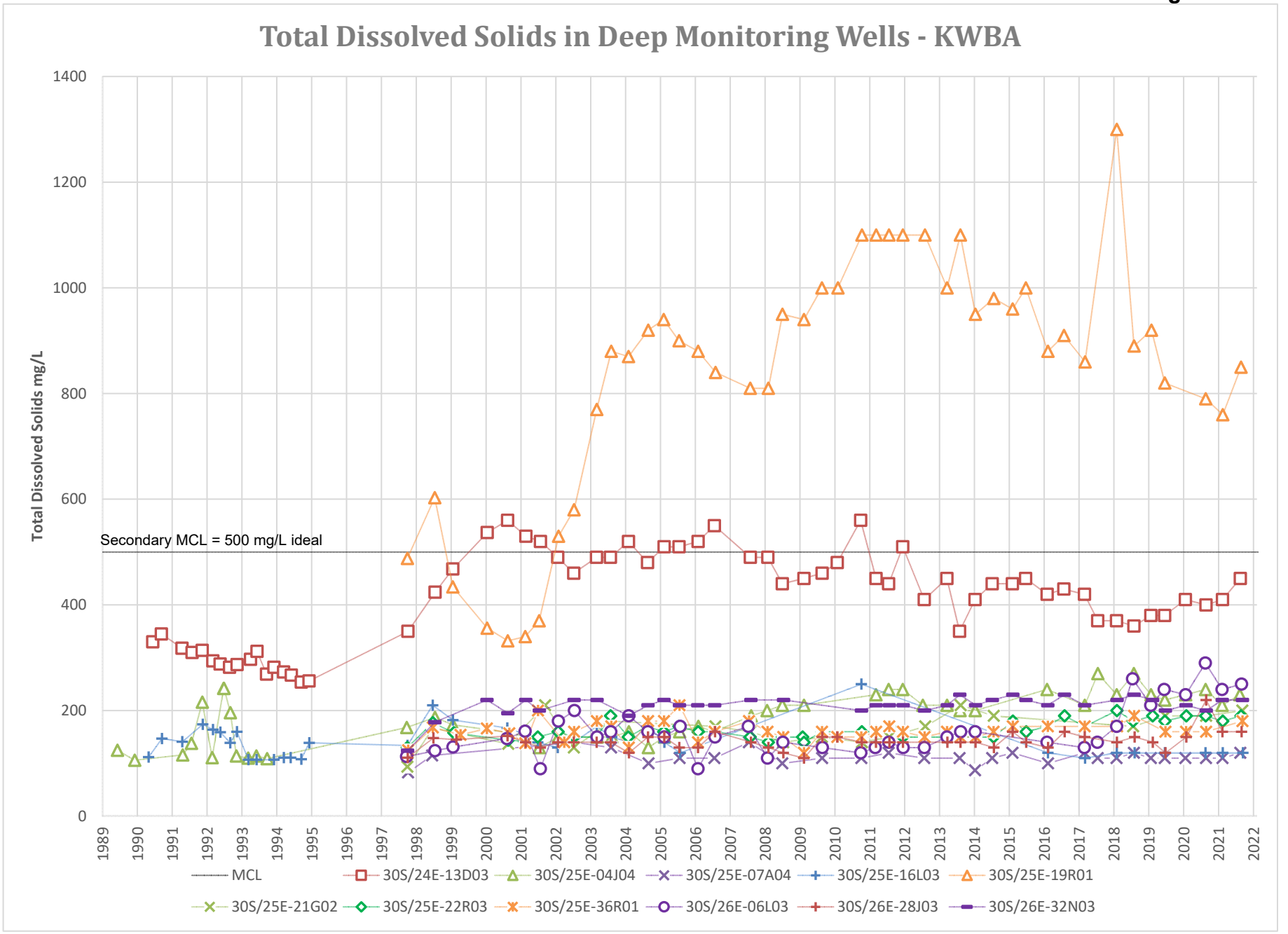

Total Dissolved Solids in Deep Monitoring Wells - KWBA
Total Dissolved Solids mg/L
1400
1200
1000
800
600
400
200
0
Secondary MCL = 500 mg/L ideal
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/24E-13D03
30S/25E-04J04
30S/25E-07A04
30S/25E-16L03
30S/25E-19R01
30S/25E-21G02
30S/25E-22R03
30S/25E-36R01
30S/26E-06L03
30S/26E-28J03
30S/26E-32N03

Figure 1-4-13

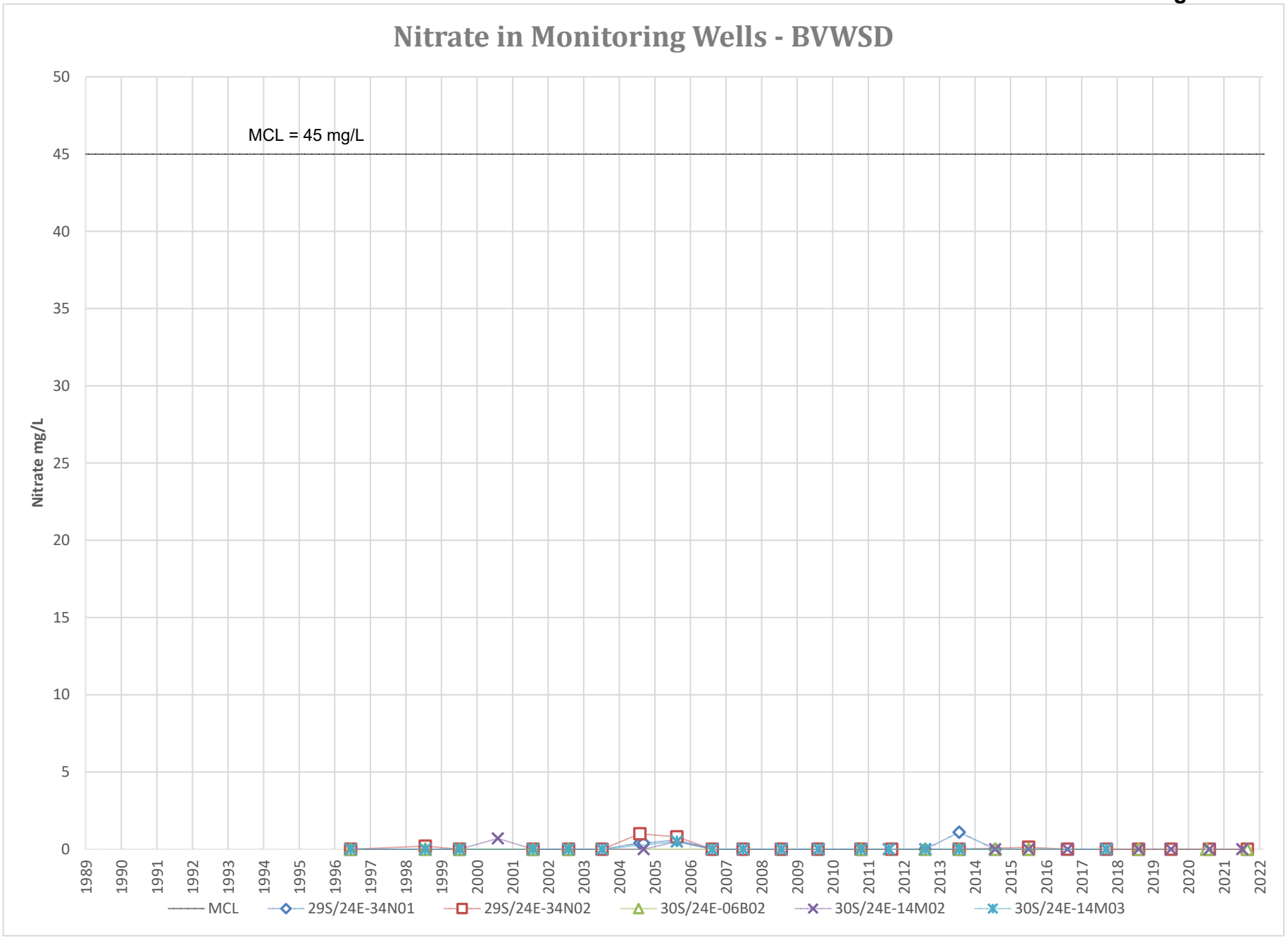

Nitrate in Monitoring Wells - BVWSD
MCL = 45 mg/L
Nitrate mg/L
50
45
40
35
30
25
20
15
10
5
0
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
29S/24E-34N01
29S/24E-34N02
30S/24E-06B02
30S/24E-14M02
30S/24E-14M03

Figure 1-4-14

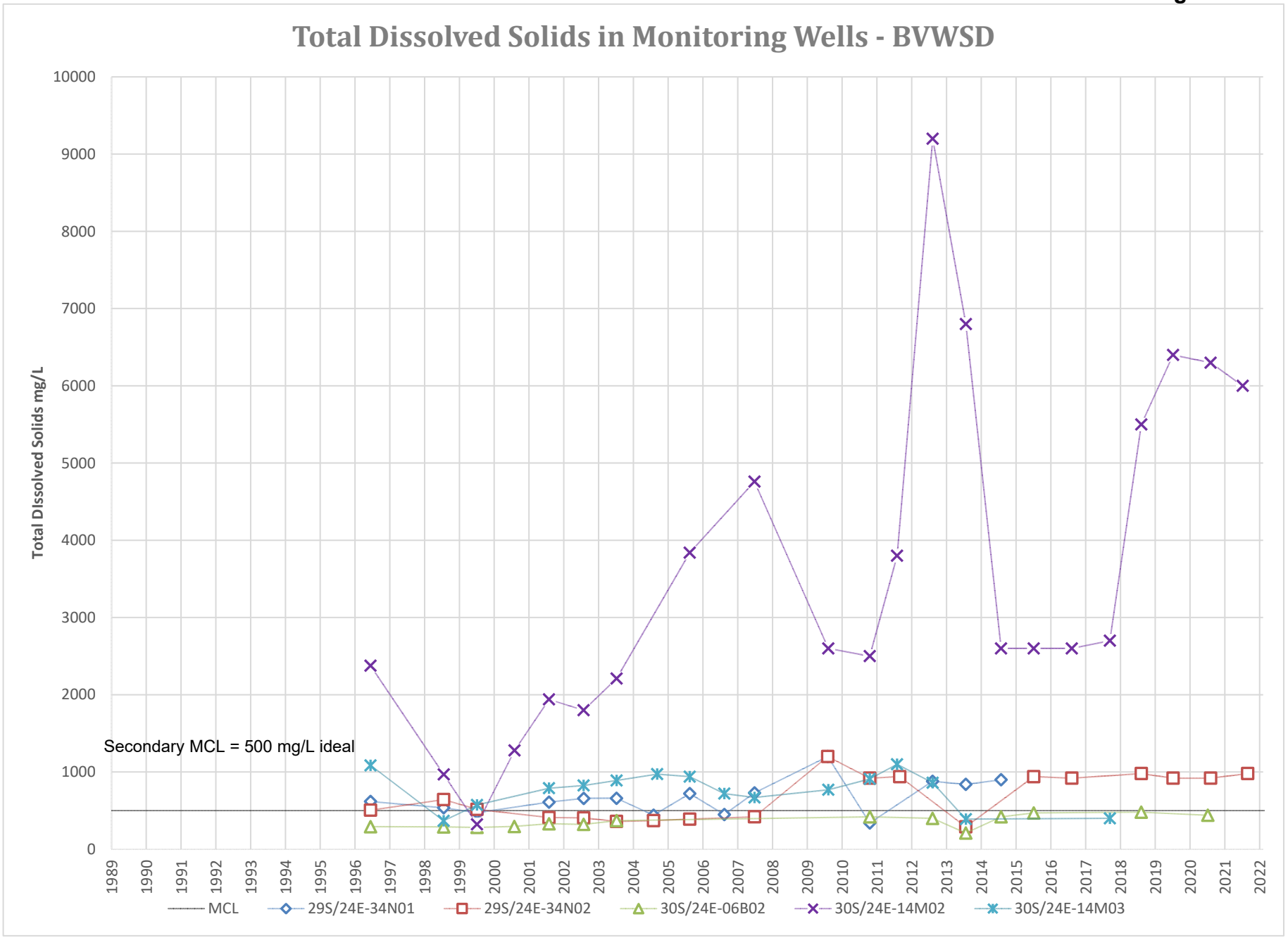

Total Dissolved Solids in Monitoring Wells - BVWSD
Total Dissolved Solids mg/L
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
Secondary MCL = 500 mg/L ideal
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
29S/24E-34N01
29S/24E-34N02
30S/24E-06B02
30S/24E-14M02
30S/24E-14M03

Figure 1-4-15

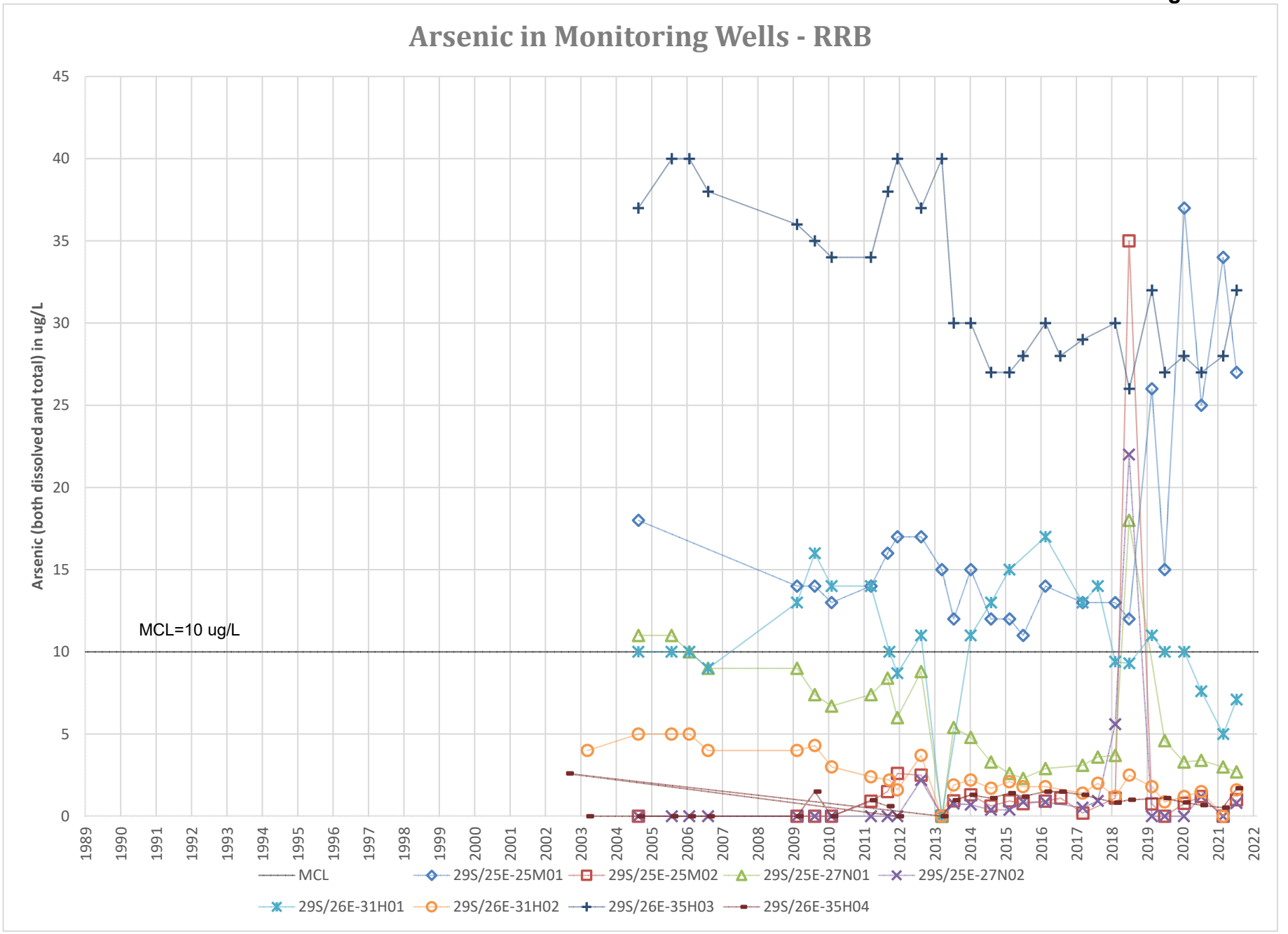

Arsenic in Monitoring Wells - RRB
Arsenic (both dissolved and total) in ug/L
45
40
35
30
25
20
15
10
5
0
MCL=10 ug/L
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
29S/25E-25M01
29S/25E-25M02
29S/25E-27N01
29S/25E-27N02
29S/26E-31H01
29S/26E-31H02
29S/26E-35H03
29S/26E-35H04

Figure 1-4-16

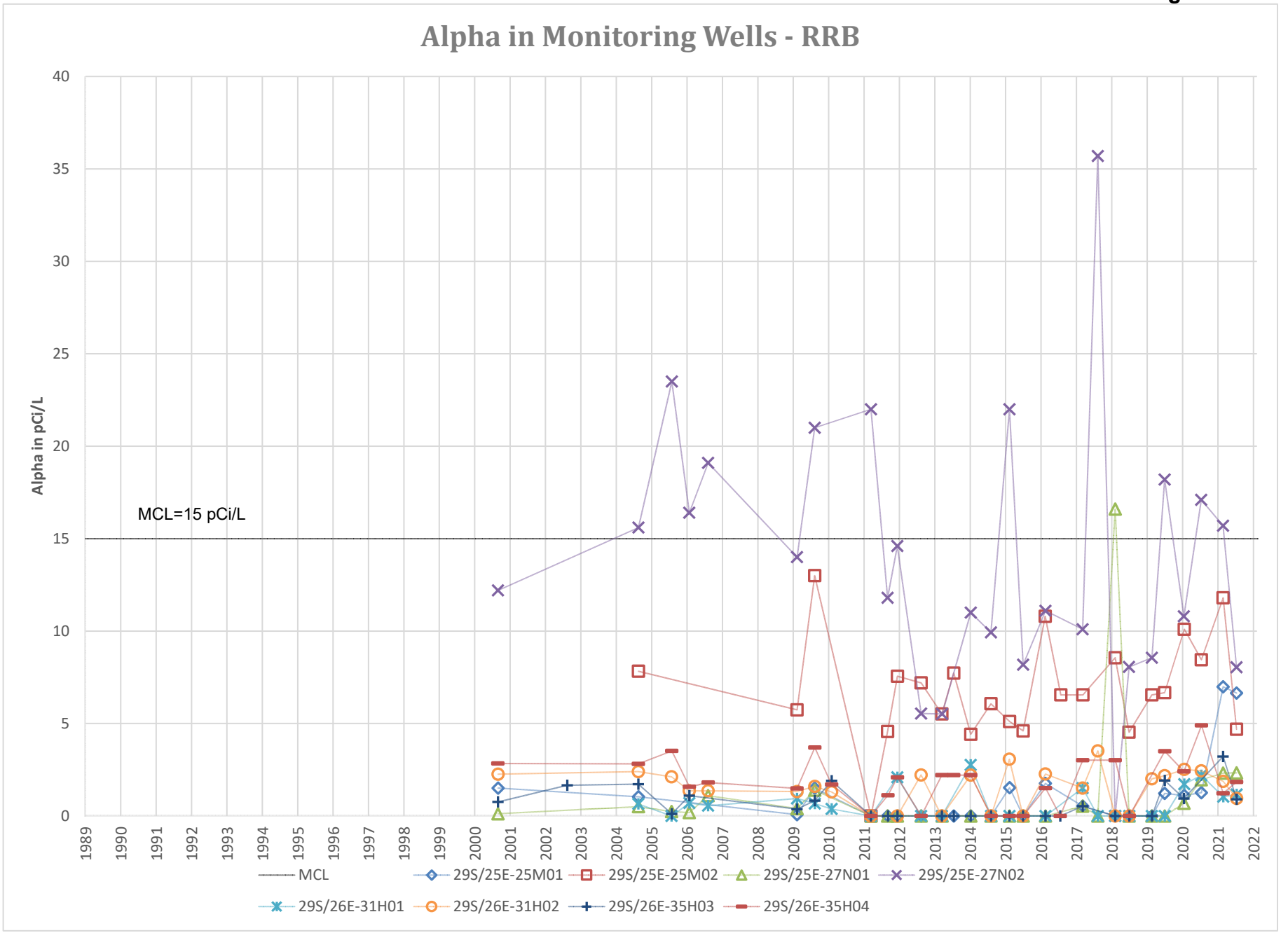

Alpha in Monitoring Wells - RRB
Alpha in pCi/L
40
35
30
25
20
15
10
5
0
MCL=15 pCi/L
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
29S/25E-25M01
29S/25E-25M02
29S/25E-27N01
29S/25E-27N02
29S/26E-31H01
29S/26E-31H02
29S/26E-35H03
29S/26E-35H04

Figure 1-4-17

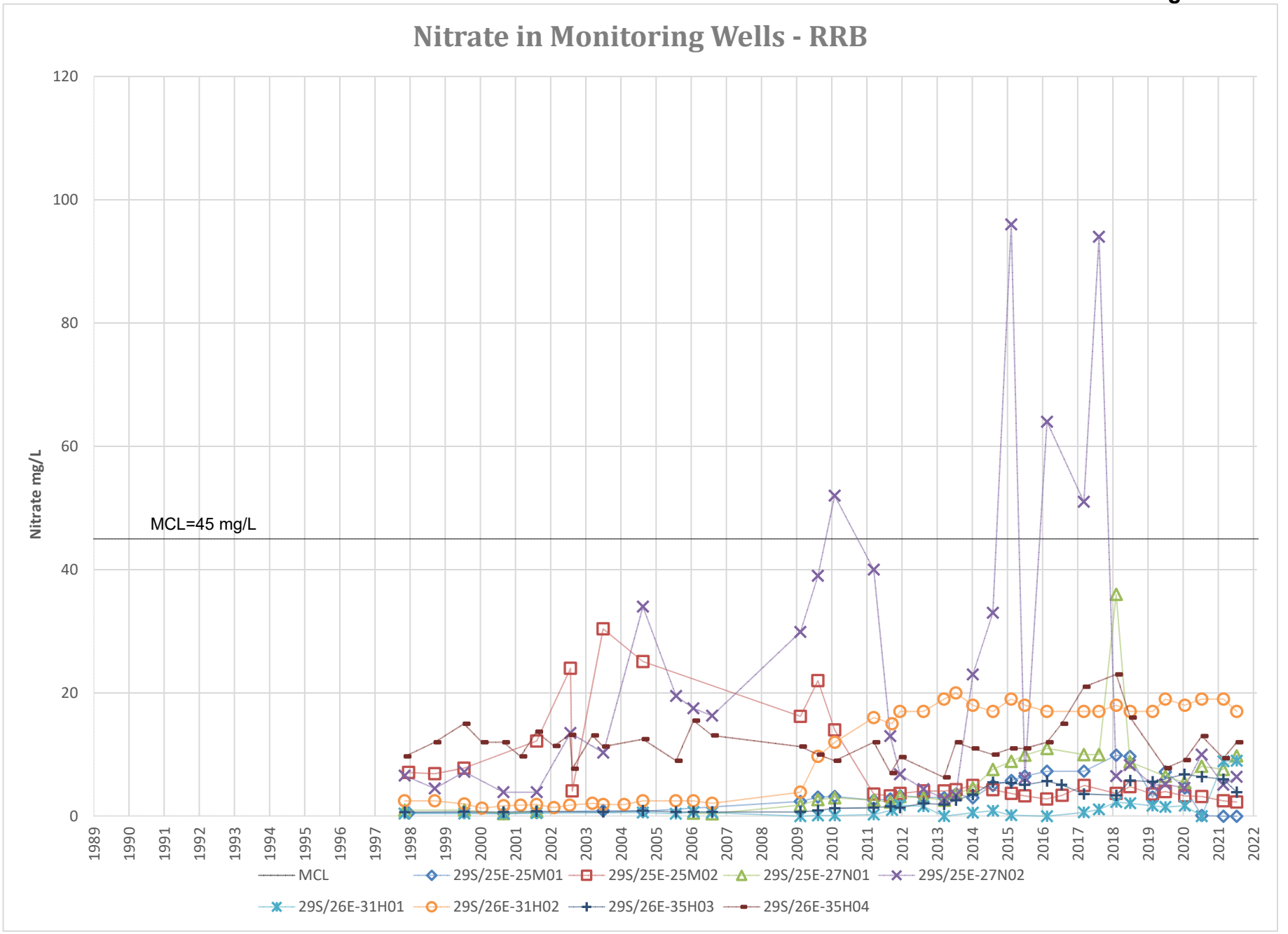

Nitrate in Monitoring Wells - RRB
Nitrate mg/L
120
100
80
60
40
20
0
MCL=45 mg/L
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
29S/25E-25M01
29S/25E-25M02
29S/25E-27N01
29S/25E-27N02
29S/26E-31H01
29S/26E-31H02
29S/26E-35H03
29S/26E-35H04

Figure 1-4-18

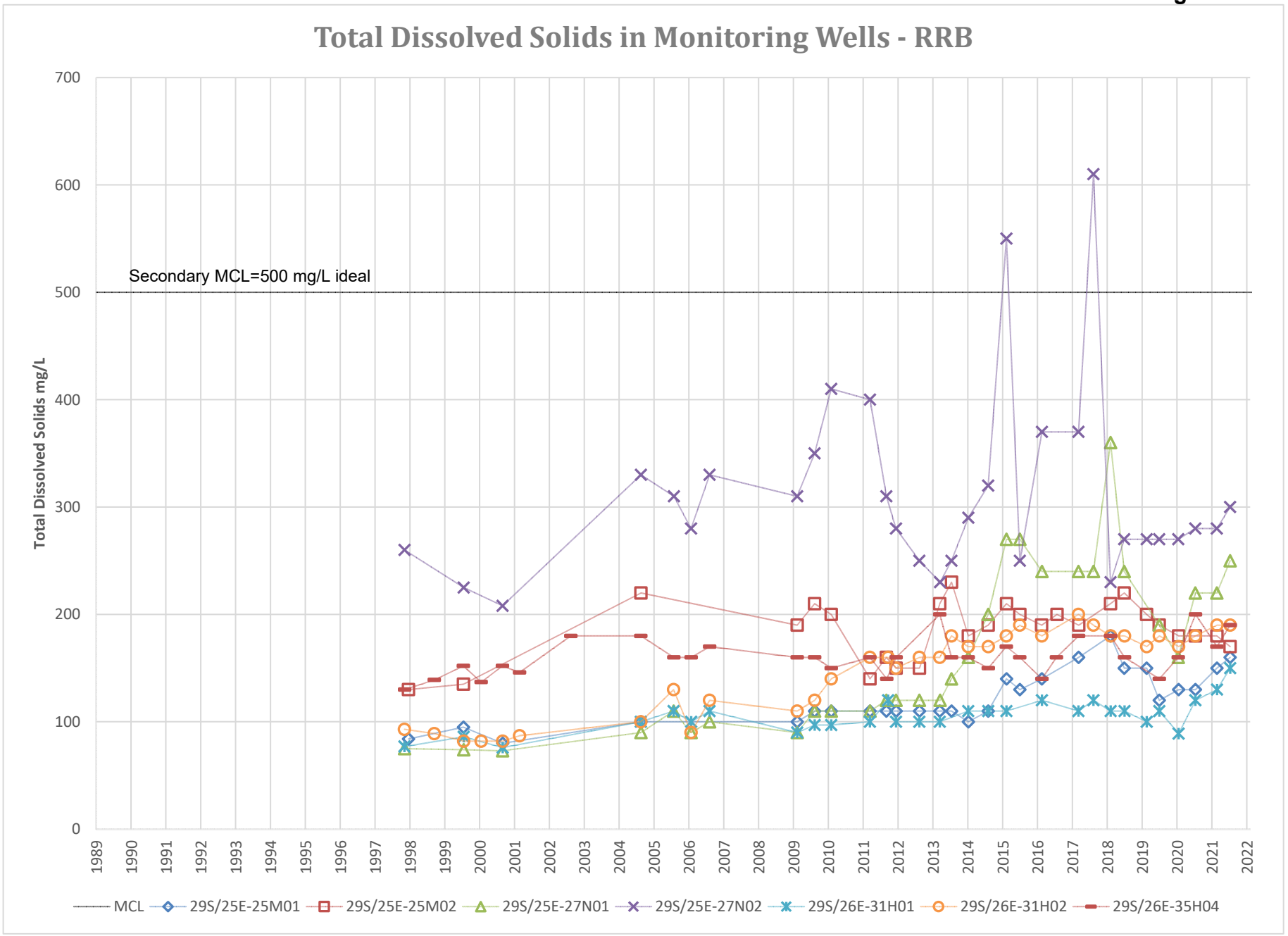

Total Dissolved Solids in Monitoring Wells - RRB
Total Dissolved Solids mg/L
Secondary MCL=500 mg/L ideal
700
600
500
400
300
200
100
0
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
29S/25E-25M01
29S/25E-25M02
29S/25E-27N01
29S/25E-27N02
29S/26E-31H01
29S/26E-31H02
29S/26E-35H04

Figure 1-4-19

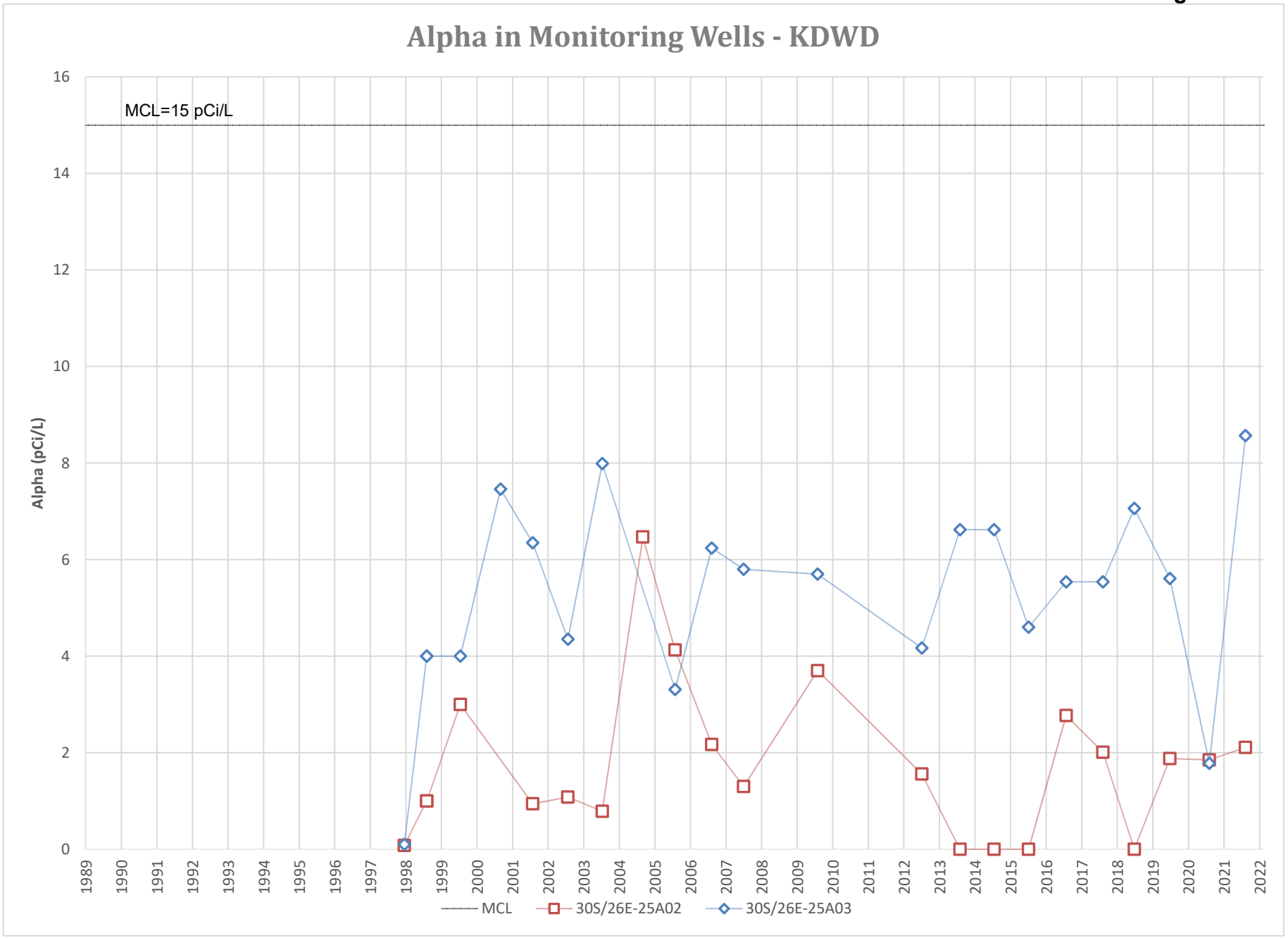

Alpha in Monitoring Wells - KDWD
MCL=15 pCi/L
Alpha (pCi/L)
16
14
12
10
8
6
4
2
0
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/26E-25A02
30S/26E-25A03

Figure 1-4-20

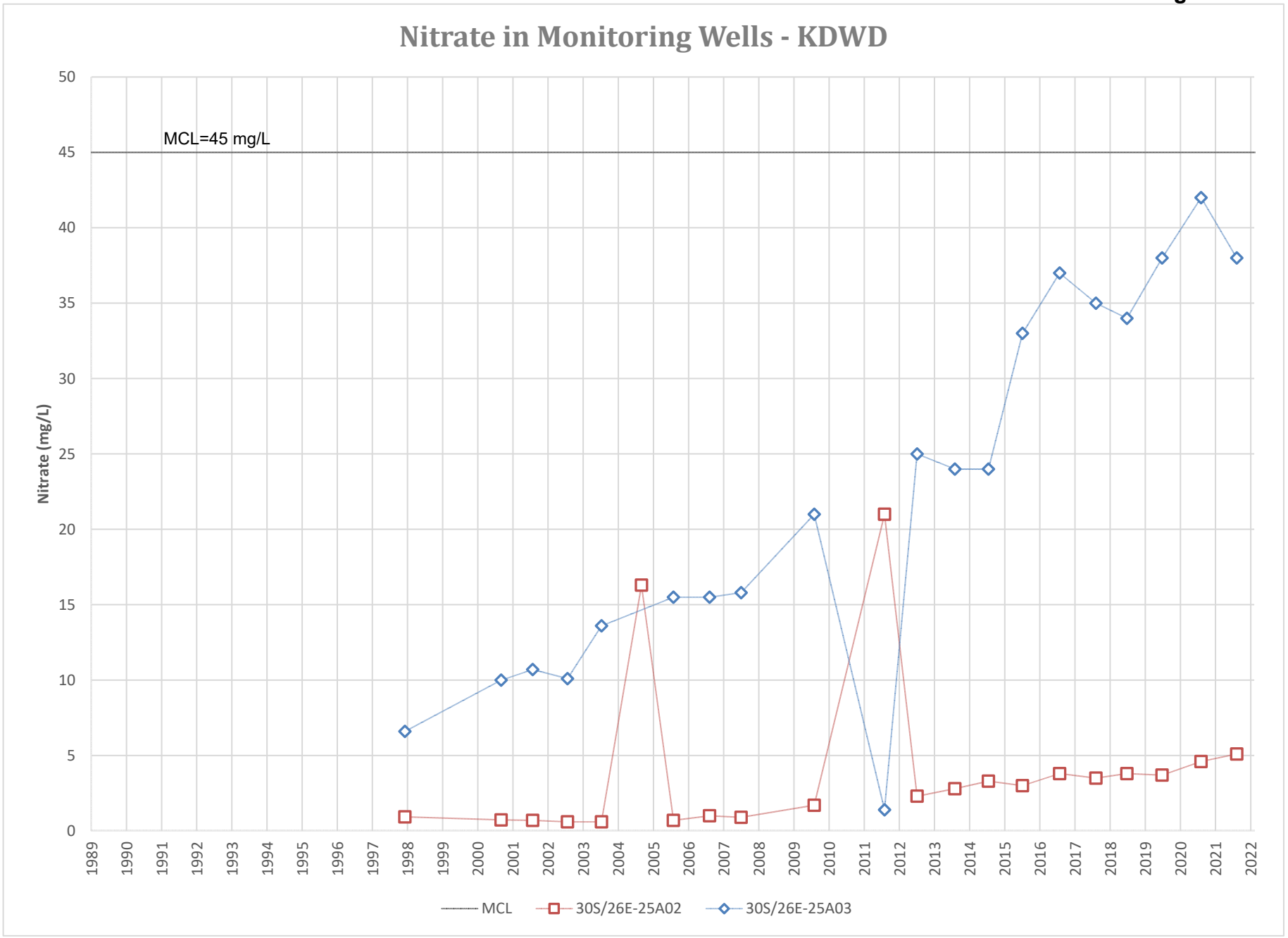

Nitrate in Monitoring Wells - KDWD
MCL=45 mg/L
Nitrate (mg/L)
50
45
40
35
30
25
20
15
10
5
0
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/26E-25A02
30S/26E-25A03

Figure 1-4-21

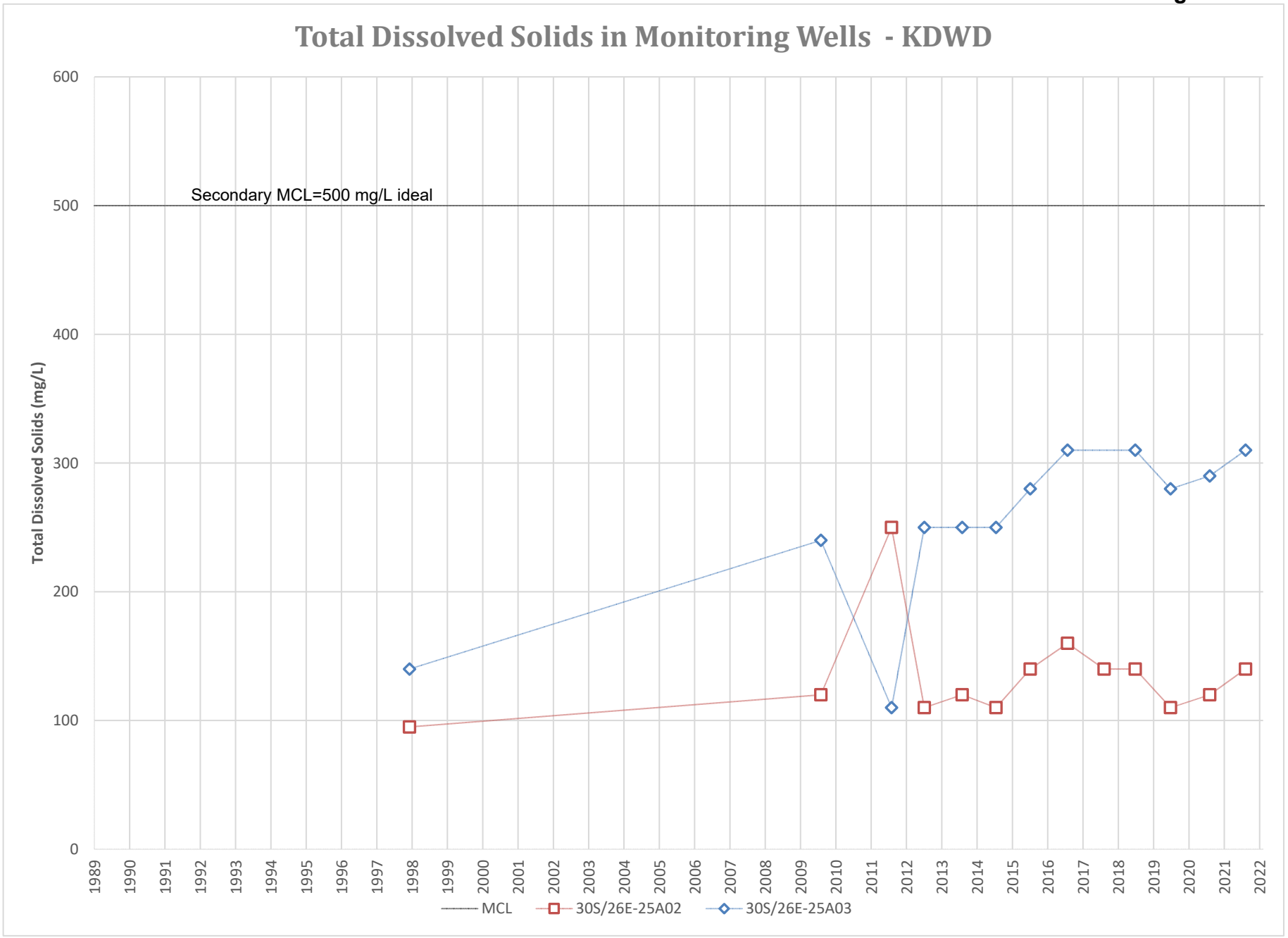

Total Dissolved Solids in Monitoring Wells - KDWD
Secondary MCL=500 mg/L ideal
Total Dissolved Solids (mg/L)
600
500
400
300
200
100
0
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/26E-25A02
30S/26E-25A03

Figure 1-4-22

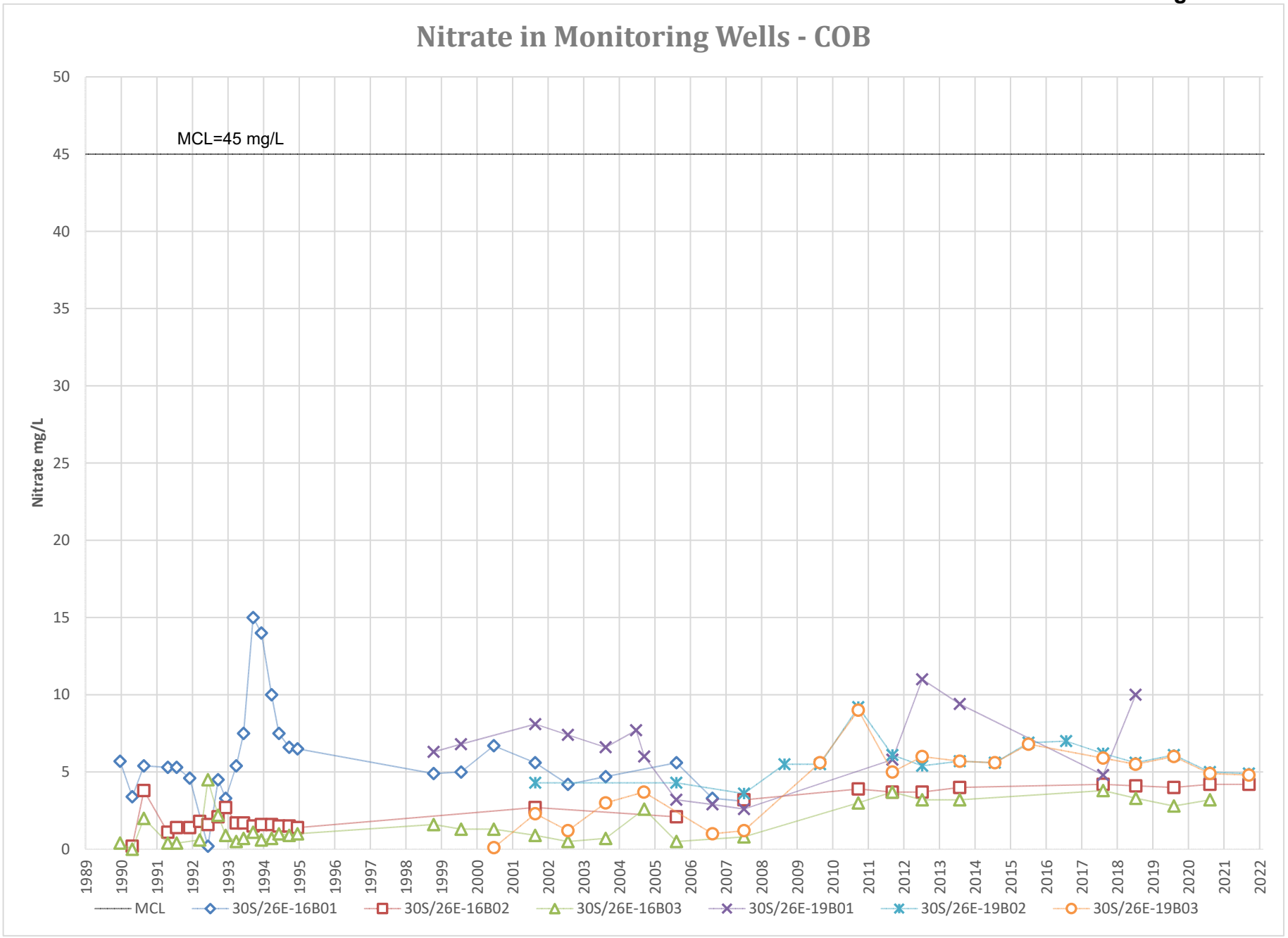

Nitrate in Monitoring Wells - COB
MCL=45 mg/L
Nitrate mg/L
50
45
40
35
30
25
20
15
10
5
0
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/26E-16B01
30S/26E-16B02
30S/26E-16B03
30S/26E-19B01
30S/26E-19B02
30S/26E-19B03

Figure 1-4-23

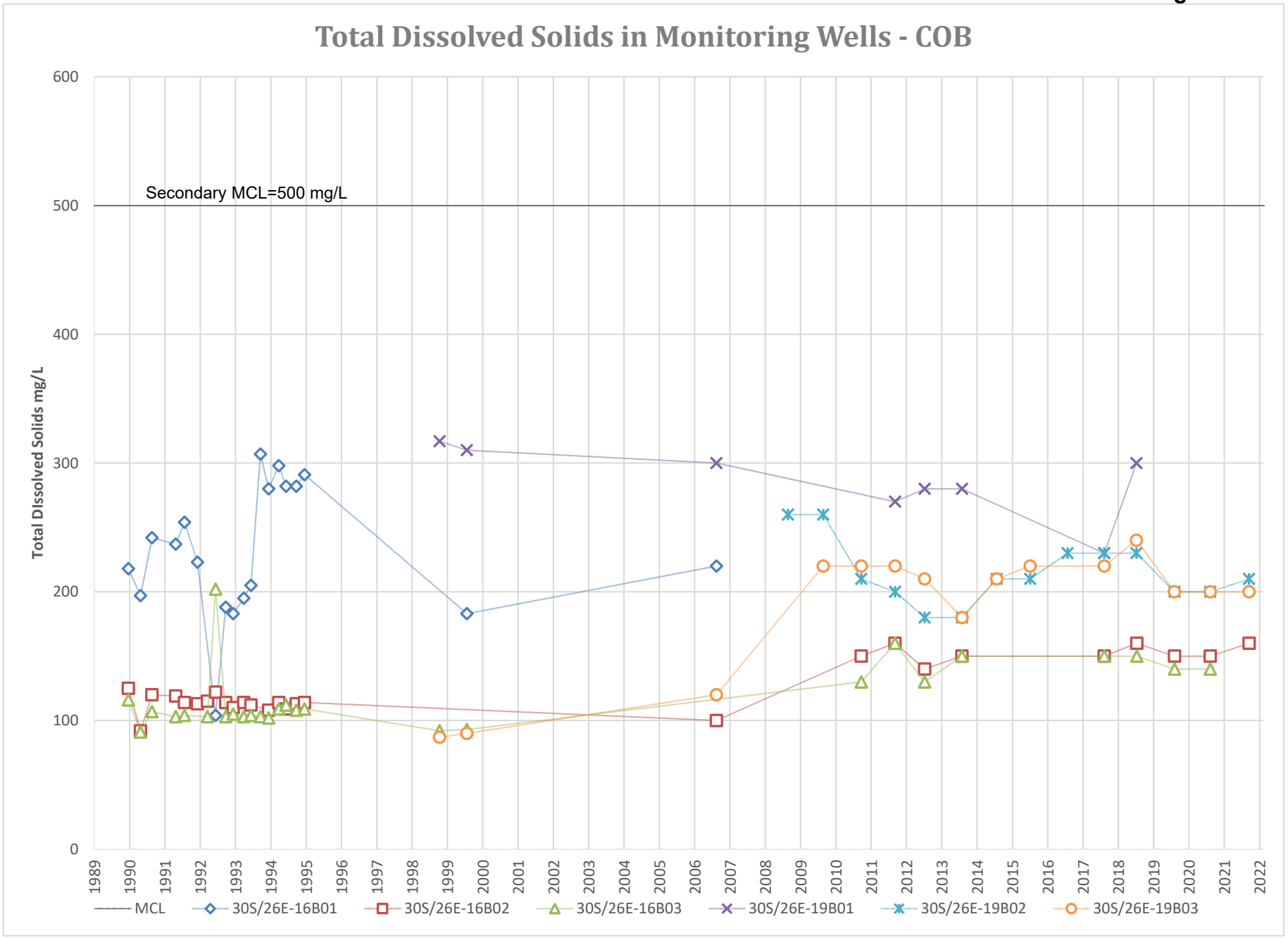

Total Dissolved Solids in Monitoring Wells - COB
Total Dissolved Solids mg/L
600
500
400
300
200
100
0
Secondary MCL=500 mg/L
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/26E-16B01
30S/26E-16B02
30S/26E-16B03
30S/26E-19B01
30S/26E-19B02
30S/26E-19B03

Figure 1-4-24

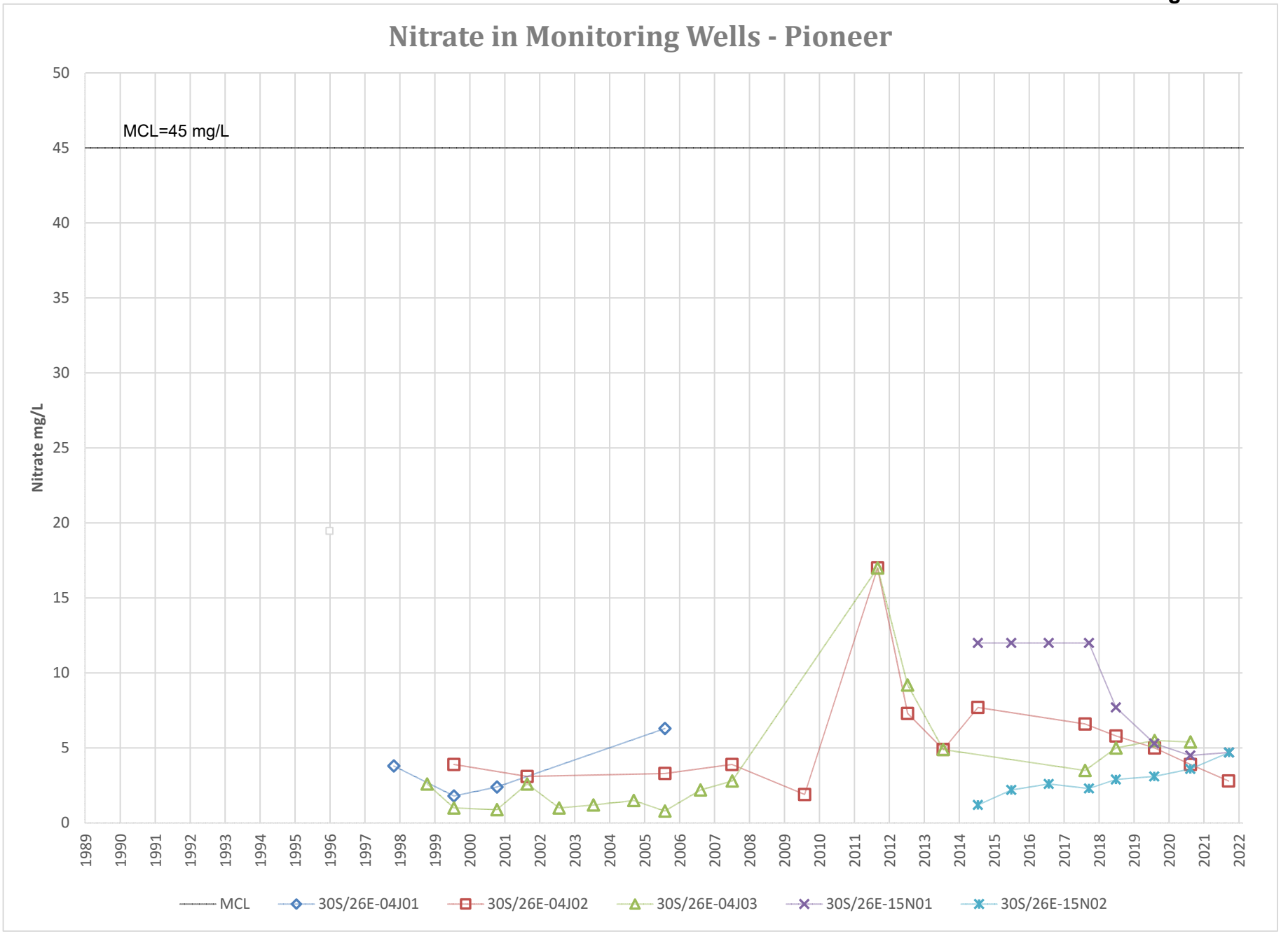
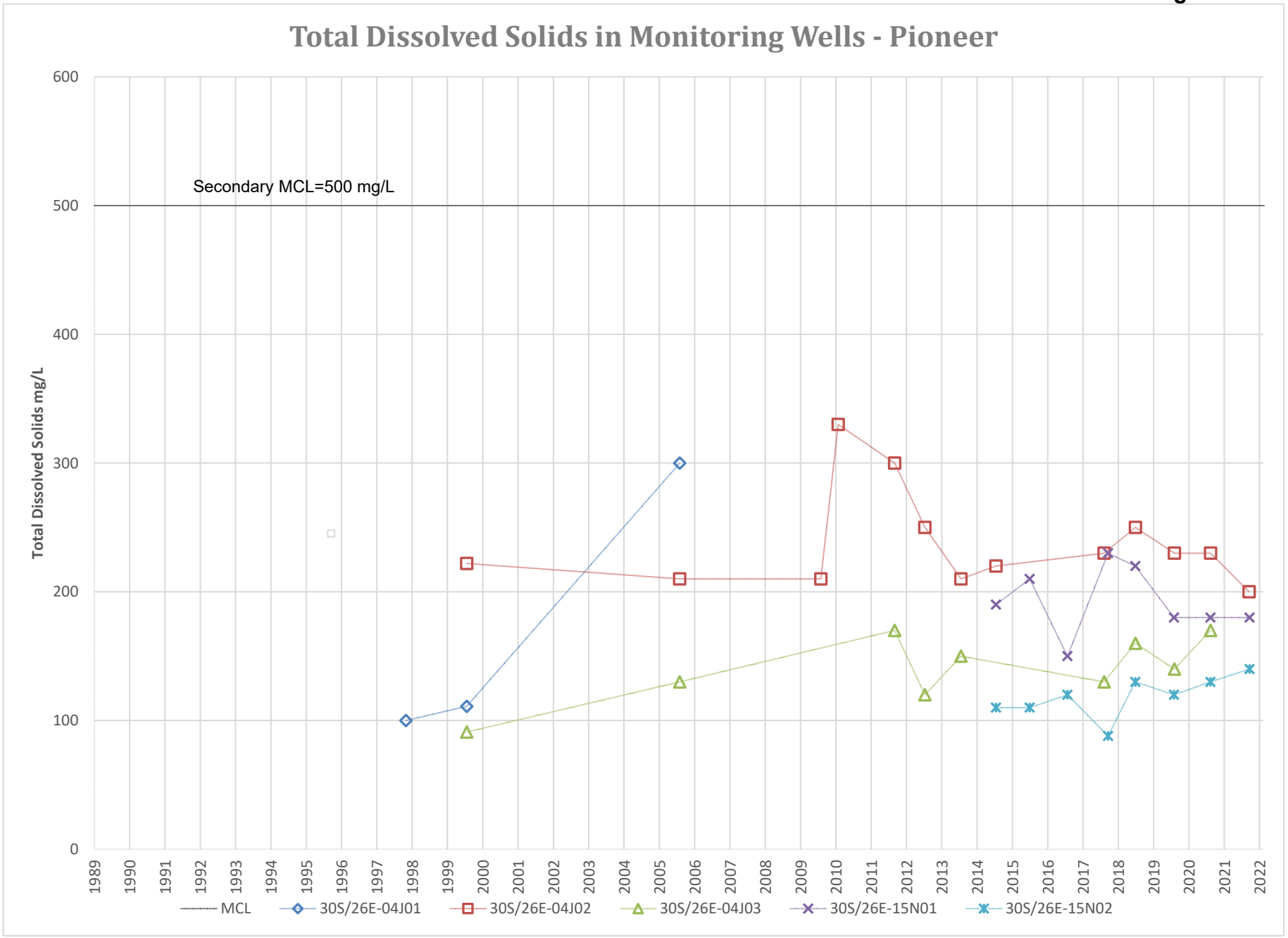

Nitrate in Monitoring Wells - Pioneer
MCL=45 mg/L
Nitrate mg/L
50
45
40
35
30
25
20
15
10
5
0
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/26E-04J01
30S/26E-04J02
30S/26E-04J03
30S/26E-15N01
30S/26E-15N02

Figure 1-4-25


Total Dissolved Solids in Monitoring Wells - Pioneer
Secondary MCL=500 mg/L
Total Dissolved Solids mg/L
600
500
400
300
200
100
0
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
MCL
30S/26E-04J01
30S/26E-04J02
30S/26E-04J03
30S/26E-15N01
30S/26E-15N02

Monitoring Wells trends
T29S/24E, T29S/25E, T29S/26E, T30S/24E, T30S/25E and T30S/26E
through 2016

		Total Dissolved Solids		Nitrate		Arsenic		Total Alpha	
Well	Perf. Int. (ft)	Mann-Kendall p-value	Sens slope	Mann-Kendall p-value	Sens slope	Mann-Kendall p-value	Sens slope	Mann-Kendall p-value	Sens slope
29S/24E-08L02	525-625	No Trend		No Trend		No Trend			
29S/24E-08L03	360-440	No Trend		No Trend		No Trend			
29S/24E-34N01	560-660	0.001	Up 17.75	No Trend		No Trend			
29S/24E-34N02	370-470	No Trend		0.036	Down -0.011	No Trend			
29S/25E-25M01	600-700	<0.0001	Up 2.029	0.000	Up 0.329	No Trend		No Trend	
29S/25E-25M02	260-350	No Trend		0.008	Down -0.223	No Trend		No Trend	
29S/25E-27N01	610-700	0.001	Up 5.029	0.003	Up 0.35	<0.0001 *	Down -0.5	No Trend	
29S/25E-27N02	210-310	No Trend		No Trend		No Trend		0.049	Down -0.473
29S/26E-31H01	560-630	0.000	Up 1.429	No Trend		No Trend		No Trend	
29S/26E-31H02	360-430	<0.0001	Up 3.818	0.001	Up 0.679	<0.0001 *	Down -0.182	No Trend	
29S/26E-35H03	590-680	<0.0001	Up 1.892	0.001	Up 0.175	0.000	Down -0.642	0.003	Down -0.035
29S/26E-35H04	310-410	No Trend		No Trend		No Trend		0.001	Down -0.076
30S/24E-06B02	550-650	0.002	Up 11.786	0.026	Down -0.025	No Trend			
30S/24E-13D01	150-250	No Trend		No Trend		No Trend		No Trend	
30S/24E-13D02	320-360	No Trend		No Trend		No Trend			
30S/24E-13D03	520-650	No Trend		No Trend		0.000 *	Down -0.02	<0.0001 *	Up 0.169
30S/24E-14M02	355-455	<0.0001	Up 110.9	No Trend		0.032	Up 1.6		
30S/24E-14M03	600-700	No Trend							
30S/25E-04J02	190-250	No Trend		0.038	Down -0.945	No Trend			
30S/25E-04J03	345-455	<0.0001	Up 3.762	No Trend		0.018	Up 0.111		
30S/25E-04J04	565-625	0.001	Up 2.17	No Trend		No Trend			
30S/25E-07A02	220-290	No Trend		No Trend		0.038	0		
30S/25E-07A03	420-470	No Trend		<0.0001	Up 0.3	0.007	Up 0.641		
30S/25E-07A04	530-620	No Trend		0.014	Down -0.041	<0.0001	Up 0.8		
30S/25E-11P01	150-210	0.000	Down -6.846	<0.0001	Down -1.881	No Trend			
30S/25E-11P02	330-470	No Trend		0.019	Down -1				
30S/25E-11P03	520-570	0.014	Up 5.0			No Trend			
30S/25E-12B02	150-250	0.007	Down -320	No Trend		No Trend			
30S/25E-12B03	360-500	0.002	Up 38.75	0.001	Up 1.133				
30S/25E-12B04	590-690	No Trend		0.009	Up 0.258	No Trend			
30S/25E-16L01	285-345	<0.0001	Up 1.576	0.008	Up 0.167	No Trend			
30S/25E-16L02	515-555	No Trend		No Trend		No Trend			
30S/25E-16L03	645-690					<0.0001	Up 0.4		
30S/25E-19N02				No Trend		0.015	Down -2.267		
30S/25E-19N03	190-230	No Trend		No Trend					
30S/25E-19N04		No Trend		No Trend		<0.0001	Up 2.429		
30S/25E-19R01	485-555	0.000	Up 14.286	No Trend		No Trend		No Trend	
30S/25E-19R02	336-376	No Trend		No Trend		No Trend		No Trend	
30S/25E-21G02	590-660	No Trend		No Trend		No Trend			
30S/25E-21G03	420-480	0.046	Up 3.333	No Trend		No Trend			
30S/25E-22R01	80-125	No Trend		No Trend		0.027	Up 0.05		
30S/25E-22R02		<0.0001	Up 5.1	0.002	Up 0.385	0.042	Down -9.0		
30S/25E-22R03	380-460	No Trend		0.028	Down -0.008	No Trend			
30S/25E-24C04	445-525	No Trend		No Trend					
30S/25E-36R01	600-640	No Trend		0.039	Down -0.014	No Trend			
30S/25E-36R02		0.001	Up 0.88	No Trend		<0.0001	Up 0.86		
30S/26E-04J02	223-375	No Trend		No Trend					
30S/26E-04J03	560-650	No Trend		0.037	Up 0.3				
30S/26E-06L01	210-270	No Trend		0.001	Down -0.913	0.013	0		
30S/26E-06L02	360-536	0.003	Up 7.583	0.001	Up 0.817				
30S/26E-06L03	585-620	No Trend		No Trend		No Trend			
30S/26E-08P04	600-680	0.001	Up 2.75	0.008	Up 0.12				
30S/26E-16B01	140-250	No Trend		No Trend					
30S/26E-16B02	330-390	No Trend		0.002	Up 0.081				
30S/26E-16B03	530-660	No Trend		0.004	Up 0.046				
30S/26E-16B04	35-50	No Trend							
30S/26E-18H04	440-540	No Trend		No Trend					
30S/26E-19B01	120-220	0.032	Down -7.5	No Trend					
30S/26E-19B02		No Trend		0.013	Up 0.207				
30S/26E-19B03	500-590	0.000	Up 7.327	0.000	Up 0.453	No Trend			
30S/26E-25A02	590-690	No Trend		0.005	Up 0.216			No Trend	
30S/26E-25A03	290-390	No Trend		<0.0001	Up 1.75			No Trend	
30S/26E-28J01	120-220	0.005	Down -2.5	No Trend		No Trend		No Trend	
30S/26E-28J02	280-330	0.006	Up 9.413	0.027	Up 1.803				
30S/26E-28J03	540-615	No Trend		0.006	Down -0.013	No Trend		0.027	Up 0.065
30S/26E-32N01	210-330	0.000	Up 1.517	No Trend		No Trend		0.014	Down -0.069
30S/26E-32N02	390-440	0.002	Up 7.389	No Trend					
30S/26E-32N03	570-610	0.033	Up 0.095	No Trend		0.015	Down -0.619	No Trend	

= not enough data

* = Trend may be due to improved and lower detection limits and not actual statistical trend

Data used for analysis displayed in Figure 1-4. 2016 Statistical Mann-Kendall and Sens Slope analysis completed using XLStat Software. Sens Slope only analyzed if Mann-Kendall shows a trend. Parameters - significance level = 5%. Hamed and Rao Autocorrelation applied at 0.05% significance level. Confidence interval of Sens Slope is 95%. Non-detects recorded as half of detection limit

Pump-in Operations Blending Calculations

April 26, 2021

Values in blue are for user entry.
Values in black are calculated results or labels.

	Demand	Constituent Concentrations									
		As	Br	TCP	Cr+6	NO3	TDS	DOC	SO4	U	Cl
Units	cfs	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	pCi/l	mg/l
MCL		10	None	0.005	10	45	500	None	250	20	250
Aqueduct (8/25/16)**	796	2.0	300	0.005	1.0	2.2	191	4.8	53	NA	105
Aqueduct (12/15/20)***	796	2.4	328	0.005	1.0	1.8	319	2.8	30	NA	100
Kern River (into RC)	80	5.4	5.0	0.002	0.1	0.6	93	2.6	10	4.5	3.6
Kern River (into CVC)*	0	-	-	-	-	-	-	-	-	-	-
Friant (into CVC)*	0	-	-	-	-	-	-	-	-	-	-

*Enter Kern River and Friant data on "Well Data by Pool" sheet.

Use DWR Aqueduct Sample (Y/N)? y **If N, background will assume WWD model info.**

** WWD Model at Check 21.

*** Sample collected by DWR at Check 21

Well Manifold Blends

Manifold	Flow	As	Br	TCP	Cr+6	NO3	TDS	DOC	SO4	U	Cl
	cfs	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	pCi/l	mg/l
Semitropic*	200	9.1	348	0.000	6.8	8.2	316	0.4	69	1.3	88.0
CVC Pool 1	42	3.7	243	0.002	1.1	4.6	267	0.4	47	6.2	52.0
CVC Pool 2	55	5.1	263	0.013	1.2	12.0	265	0.5	29	7.9	54.6
CVC Pool 3	72	6.0	255	0.002	1.2	9.3	227	0.5	24	3.9	52.7
CVC Pool 4	84	2.6	109	0.001	0.9	6.5	222	0.6	24	8.2	28.0
CVC Pool 5	49	2.4	69	0.002	0.7	3.8	152	0.5	16	2.1	18.9
CVC Pool 6	47	4.6	73	0.003	0.8	4.7	140	0.4	16	2.0	20.8
CVC Subtotals East	31	4.6	73	0.003	0.8	4.7	140	0.4	16	2.0	20.8
West	318	4.0	179	0.0037	1.0	7.3	222	0.5	26	5.6	39.6
River Canal	212	4.2	64	0.002	0.8	4.3	156	1.5	19	4.8	12.5
KWB Canal	278	1.5	155	0.002	1.1	6.2	291	0.5	46	12.4	44.2
West Kern	0	-	-	-	-	-	-	-	-	-	-
WRM6	18	2.1	203	0.0050	0.2	1.6	826	0.3	435	2.9	29.3
WRM7	3	8.7	140	0.0050	0.2	1.0	490	0.2	490	2.5	23.0
WRM8	0	-	-	-	-	-	-	-	-	-	-
WRM9	18	4.9	157	0.0050	0.1	1.8	734	0.4	407	3.8	27.6
WRM9A-10	0	-	-	-	-	-	-	-	-	-	-
WRM13A	0	-	-	-	-	-	-	-	-	-	-
WRM15	0	-	-	-	-	-	-	-	-	-	-
WRMWSD Subtotal	39	3.9	177	0.0050	0.1	1.6	759	0.4	427	3.3	28.1
Arvin-Edison	0	-	-	-	-	-	-	-	-	-	-
Well Blend in Aqueduct	1047	4.3	181	0.0022	2.0	6.4	265	0.7	53	6.4	44.2

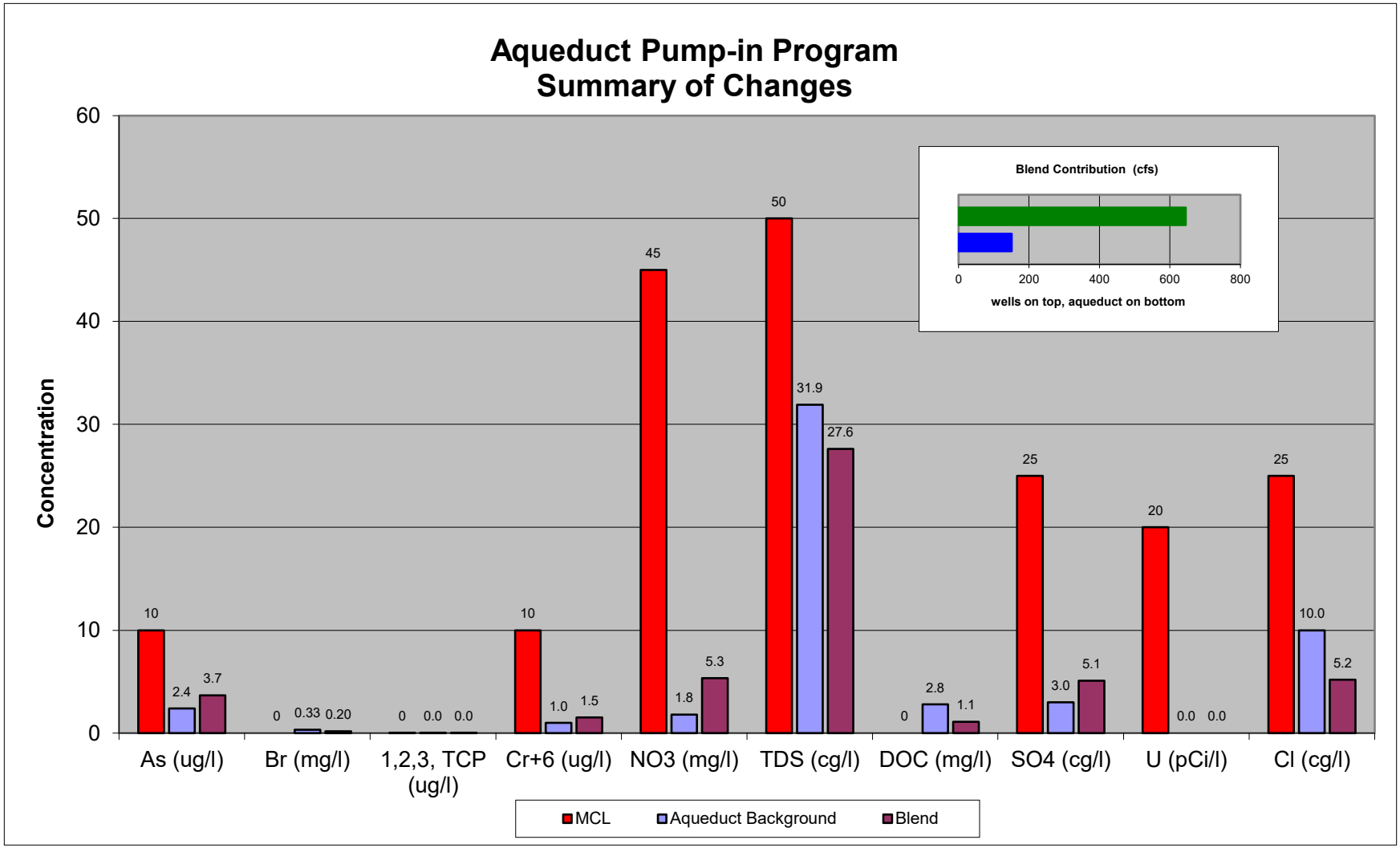
Note: Enter Semitropic and Arvin data on "Daily Input & Inflow Summaries" sheet. Enter Aquatic Lakes on "Well Data by Pool" sheet.

* Semitropic exchange delivery = 0

200 9.1 348 6.8 8.2 316 0.4 69 #VALUE!

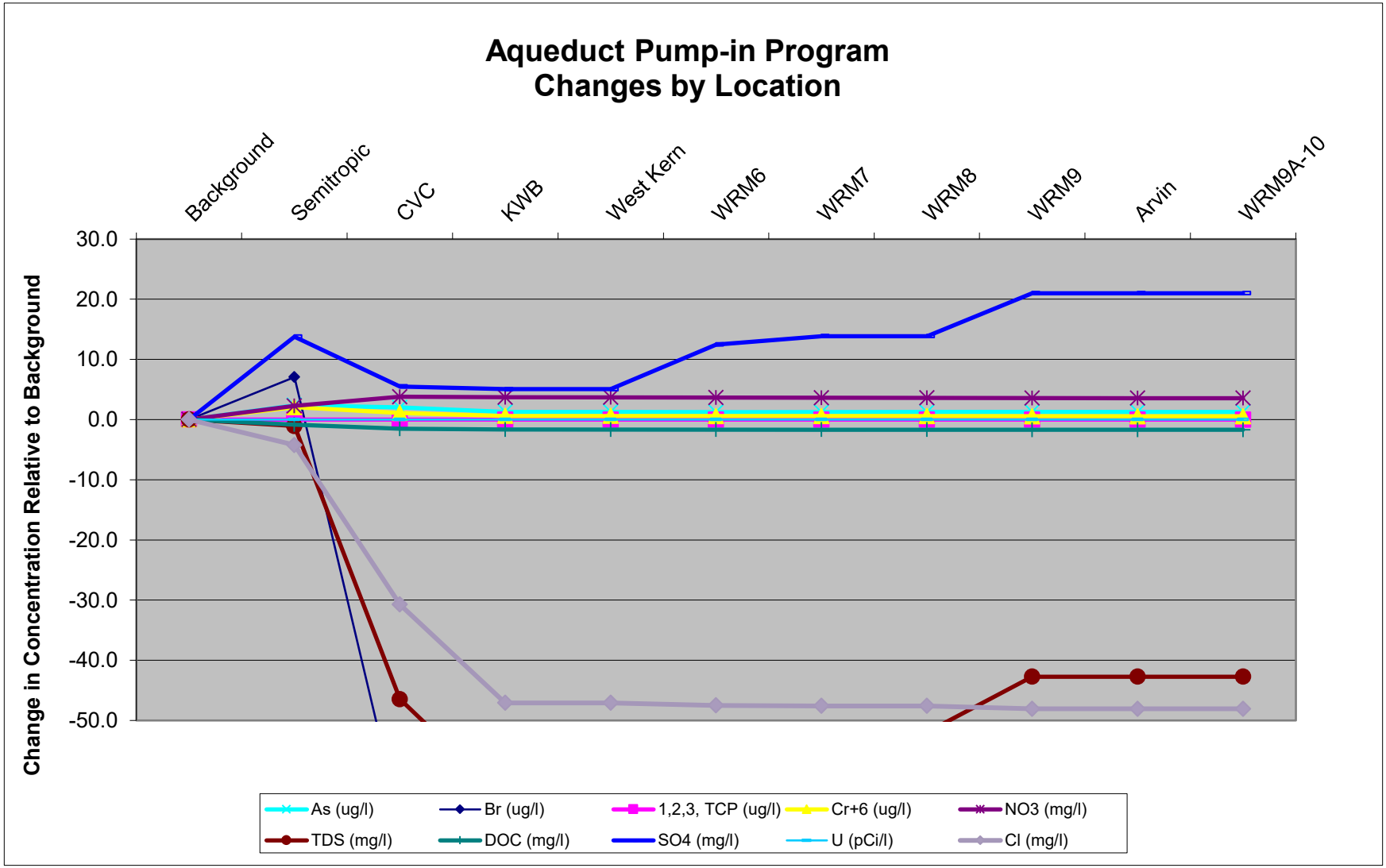
Canal Blends

	Total Flow	Constituent Concentrations									
		As	Br	TCP	Cr+6	NO3	TDS	DOC	SO4	U	Cl
Units	cfs	ug/l	ug/l	ug/l	ug/l	mg/l	mg/l	mg/l	mg/l	pCi/l	mg/l
MCL		10	None	0.005	10	45	500	None	250	20	250
Alejandro in District	0	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow	No Flow
CVC Flow to ID4	0	4.6	73	0.003	0.8	4.7	140	0.4	16	NA	21
CVC Flow into Friant	31	4.6	73	0.003	0.8	4.7	140	0.4	16	NA	21
Change	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
% of the MCL	NA	46%	NA	60%	0.08	10%	28%	NA	6%	NA	8%
Aqueduct Blends											
Background	366	2.4	328	0.0050	1.0	1.8	319	2.8	30	NA	100.0
After Semitropic	566	4.8	335	0.0034	3.0	4.1	318	2.0	44	NA	95.8
After CVC	673	4.4	261	0.0035	2.1	5.6	273	1.3	36	NA	69.3
After KWB	1163	3.7	200	0.0028	1.6	5.5	256	1.1	35	NA	52.9
After West Kern	1163	3.7	200	0.0028	1.6	5.5	256	1.1	35	NA	52.9
After WRMWSD 6	986	3.6	200	0.0029	1.6	5.4	266	1.1	42	NA	52.5
After WRMWSD 7	964	3.7	200	0.0029	1.6	5.4	267	1.1	44	NA	52.4
After WRMWSD 8	927	3.7	200	0.0029	1.6	5.4	267	1.1	44	NA	52.4
After WRMWSD 9	917	3.7	199	0.0029	1.5	5.3	276	1.1	51	NA	51.9
After Arvin-Edison	917	3.7	199	0.0029	1.5	5.3	276	1.1	51	NA	51.9
After WRMWSD 9A-10	851	3.7	199	0.0029	1.5	5.3	276	1.1	51	NA	51.9
After WRMWSD 13A	849	3.7	199	0.0029	1.5	5.3	276	1.1	51	NA	51.9
After WRMWSD 15	796	3.7	199	0.0029	1.5	5.3	276	1.1	51	NA	51.9
Total Change	429	1.3	-129	-0.0021	0.5	3.5	-43	-1.7	21	NA	-48.1
% of the MCL	NA	12.8%	NA	-42.0%	5%	7.9%	-8.5%	NA	8.4%	NA	-0.2
Recent DWR Sample	Check 21										
Recent DWR Sample	Check 27										
Recent DWR Sample	Check 29										
Recent DWR Sample	Check 41										

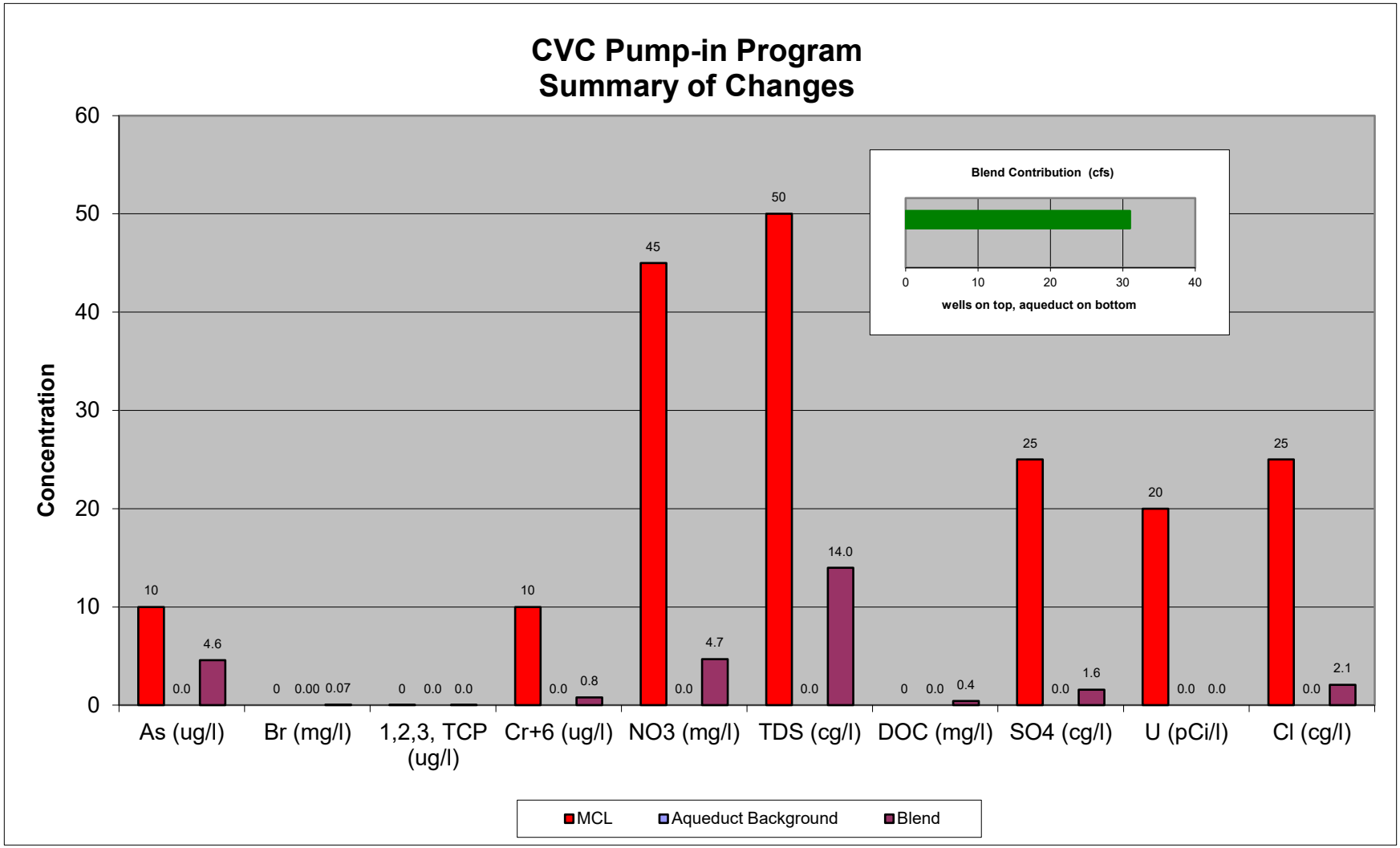


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Figure 1-6

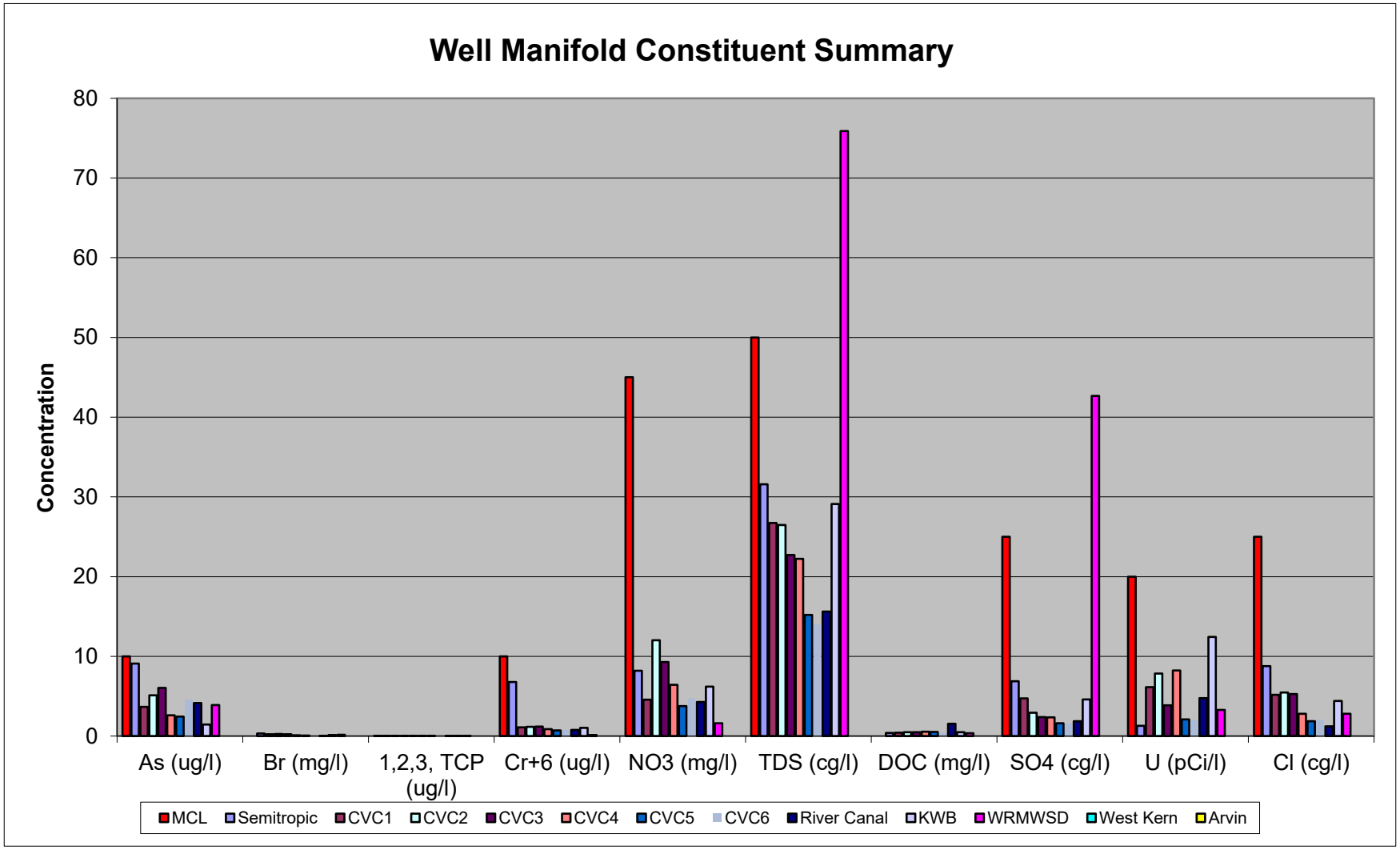


April 26, 2021



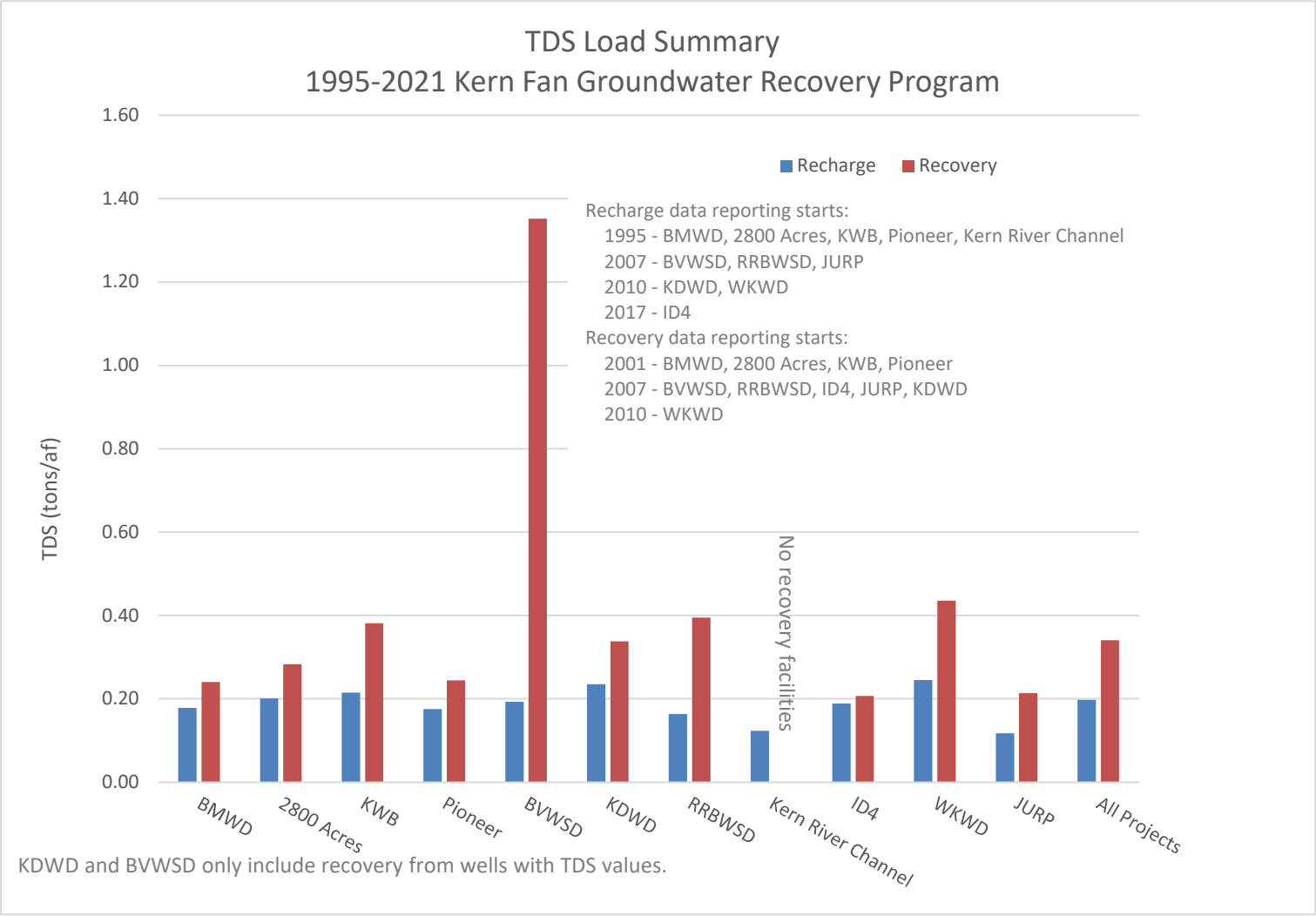
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Figure 1-8



April 26, 2021

Figure 1-9


TDS Load Summary
1995-2021 Kern Fan Groundwater Recovery Program
TDS (tons/af)
1.60
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
Recharge
Recovery
Recharge data reporting starts:
1995 - BMWD, 2800 Acres, KWB, Pioneer, Kern River Channel
2007 - BVWSD, RRBWSD, JURP
2010 - KDWD, WKWD
2017 - ID4
Recovery data reporting starts:
2001 - BMWD, 2800 Acres, KWB, Pioneer
2007 - BVWSD, RRBWSD, ID4, JURP, KDWD
2010 - WKWD
No recovery facilities
BMWD
2800 Acres
KWB
Pioneer
BVWSD
KDWD
RRBWSD
Kern River Channel
ID4
WKWD
JURP
All Projects
KDWD and BVWSD only include recovery from wells with TDS values.

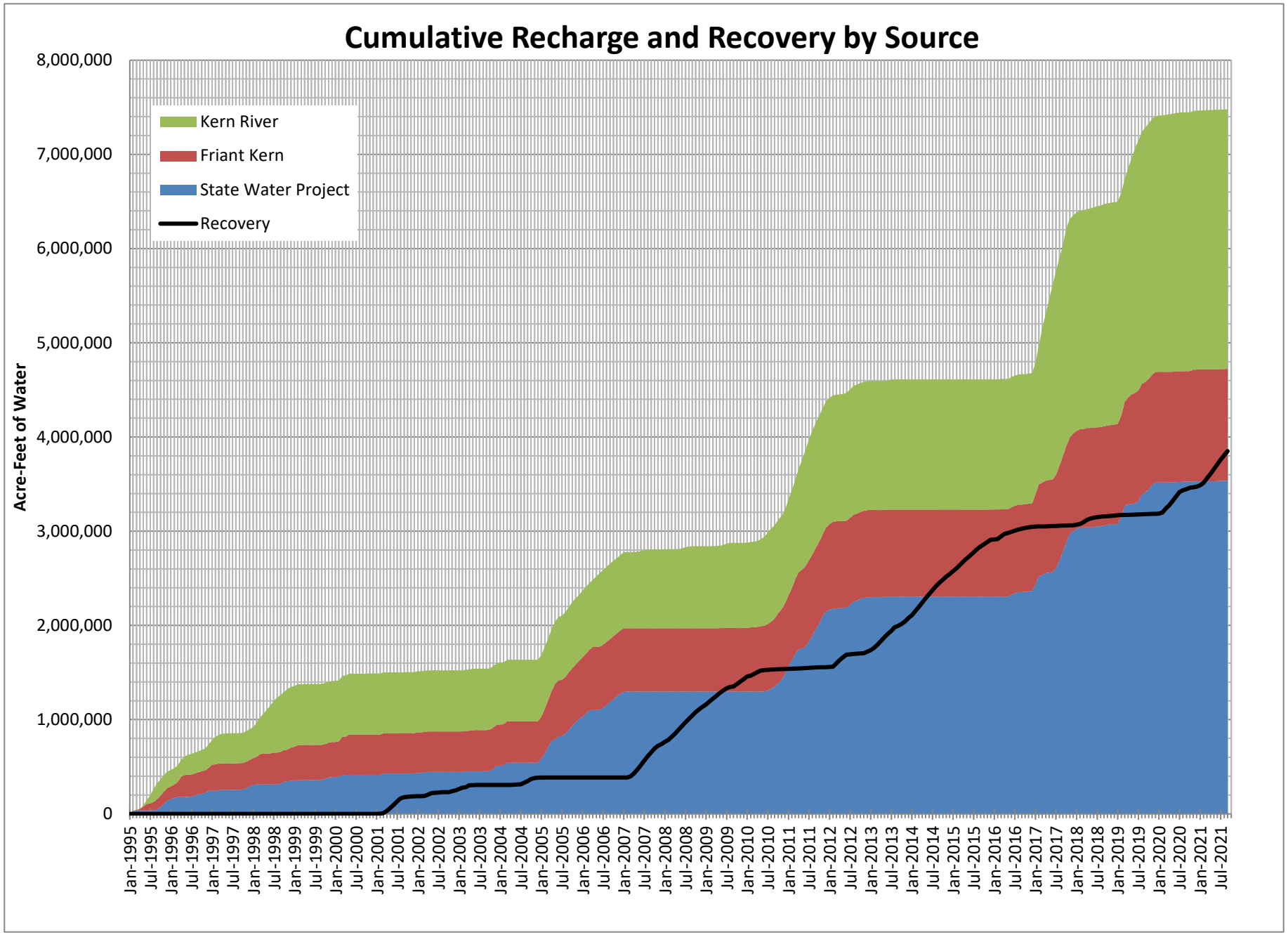

Cumulative Recharge and Recovery by Source
Kern River
Friant Kern
State Water Project
Recovery
Acre-Feet of Water
8,000,000
7,000,000
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
Jan-1995
Jul-1995
Jan-1996
Jul-1996
Jan-1997
Jul-1997
Jan-1998
Jul-1998
Jan-1999
Jul-1999
Jan-2000
Jul-2000
Jan-2001
Jul-2001
Jan-2002
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Jan-2011
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Jan-2012
Jul-2012
Jan-2013
Jul-2013
Jan-2014
Jul-2014
Jan-2015
Jul-2015
Jan-2016
Jul-2016
Jan-2017
Jul-2017
Jan-2018
Jul-2018
Jan-2019
Jul-2019
Jan-2020
Jul-2020
Jan-2021
Jul-2021

Table 1-5

KERN FAN MONITORING COMMITTEE

TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN WITH RECHARGE WATER SUPPLIES - SUMMARY

PROJECT	GROSS RECHARGE (AF)	NET RECHARGE (AF)	SALT LOAD (TONS)	AVERAGE TDS (MG/L) GROSS (MG/L)	AVERAGE TDS (MG/L) NET (MG/L)	AVERAGE TDS (MG/L) NET (TONS/AF)
BERRENDA MESA						
WY 1995	26,649	25,050	4,420	122	130	**0.18**
WY 1996	14,557	13,684	1,901	96	102	**0.14**
WY 1997	9,801	9,213	1,051	79	84	**0.11**
WY 1998	14,959	14,061	1,403	69	73	**0.10**
WY 1999	6,023	5,662	538	66	70	**0.10**
WY 2000	1,027	965	36	26	28	**0.04**
WY 2001	-	-	-	-	-	-
WY 2002	-	-	-	-	-	-
WY 2003	419	394	132	231	246	**0.33**
WY 2004	3,172	2,982	1,210	281	299	**0.41**
WY 2005	29,020	27,279	3,787	96	102	**0.14**
WY 2006	25,029	23,527	4,156	122	130	**0.18**
WY 2007	9,174	8,624	2,759	221	235	**0.32**
WY 2008	-	-	-	-	-	-
WY 2009	-	-	-	-	-	-
WY 2010	-	-	-	-	-	-
WY 2011	28,774	27,048	4,340	111	118	**0.16**
WY 2012	10,067	9,463	1,716	125	133	**0.18**
WY 2013	5,750	5,405	2,284	292	311	**0.42**
WY 2014	-	-	-	-	-	-
WY 2015	-	-	-	-	-	-
WY 2016	-	-	-	-	-	-
WY 2017	32,939	30,963	4,789	107	114	**0.15**
WY 2018	6,949	6,532	1,948	206	219	**0.30**
WY 2019	18,936	17,800	3,397	132	140	**0.19**
WY 2020	7,995	7,515	2,188	201	214	**0.29**
WY 2021	-	-	-	-	-	-
TOTAL	**251,240**	**236,166**	**42,055**	**123**	**131**	**0.18**
2800 ACRE FACILITY						
WY 1995	91,380	85,897	15,365	124	132	**0.18**
WY 1996	45,333	42,613	7,589	123	131	**0.18**
WY 1997	15,228	14,314	2,907	140	149	**0.20**
WY 1998	46,682	43,881	7,314	115	123	**0.17**
WY 1999	18,907	17,773	1,635	64	68	**0.09**
WY 2000	34,486	32,417	3,349	71	76	**0.10**
WY 2001	2,539	2,387	966	280	298	**0.40**
WY 2002	1,480	1,391	581	289	307	**0.42**
WY 2003	1,447	1,360	229	116	124	**0.17**
WY 2004	7,297	6,859	2,657	268	285	**0.39**
WY 2005	100,497	94,467	21,322	156	166	**0.23**
WY 2006	58,770	55,244	13,970	175	186	**0.25**
WY 2007	19,419	18,254	4,435	168	179	**0.24**
WY 2008	-	-	-	-	-	-
WY 2009	-	-	-	-	-	-
WY 2010	-	-	-	-	-	-
WY 2011	34,879	32,786	5,869	124	132	**0.18**
WY 2012	14,025	13,184	2,341	123	131	**0.18**
WY 2013	-	-	-	-	-	-
WY 2014	-	-	-	-	-	-
WY 2015	-	-	-	-	-	-
WY 2016	-	-	-	-	-	-
WY 2017	17,062	16,038	2,191	95	101	**0.14**
WY 2018	19,475	18,307	4,883	184	196	**0.27**
WY 2019	21,924	20,609	6,092	204	218	**0.30**
WY 2020	4,239	3,985	1,113	193	206	**0.28**
WY 2021	-	-	-	-	-	-
TOTAL	**555,069**	**521,765**	**104,809**	**139**	**148**	**0.20**
KERN WATER BANK						
WY 1995	139,989	131,590	9,527	50	53	**0.07**
WY 1996	213,831	201,001	40,920	141	150	**0.20**
WY 1997	126,683	119,082	20,152	117	125	**0.17**
WY 1998	278,308	261,610	40,911	108	115	**0.16**
WY 1999	69,731	65,547	10,480	111	118	**0.16**
WY 2000	46,940	44,124	12,463	195	208	**0.28**
WY 2001	10,363	9,741	3,935	279	297	**0.40**
WY 2002	13,439	12,633	5,120	280	298	**0.41**
WY 2003	4,632	4,354	1,454	231	246	**0.33**
WY 2004	53,807	50,579	22,877	313	333	**0.45**
WY 2005	307,973	289,495	88,730	212	226	**0.31**
WY 2006	309,404	290,840	62,797	149	159	**0.22**
WY 2007	70,141	65,933	21,492	225	240	**0.33**
WY 2008	-	-	-	-	-	-
WY 2009	-	-	-	-	-	-
WY 2010	1,125	1,058	350	229	244	**0.33**
WY 2011	424,279	398,822	76,272	132	141	**0.19**
WY 2012	93,238	87,644	14,010	111	118	**0.16**
WY 2013	-	-	-	-	-	-
WY 2014	-	-	-	-	-	-
WY 2015	-	-	-	-	-	-
WY 2016	-	-	-	-	-	-
WY 2017	494,530	464,858	86,173	128	136	**0.19**
WY 2018	122,062	114,738	33,574	202	215	**0.29**
WY 2019	302,045	283,922	67,449	164	175	**0.24**
WY 2020	44,964	42,266	12,644	207	220	**0.30**
WY 2021	3,803	3,575	1,573	304	324	**0.44**
TOTAL	**3,131,287**	**2,943,410**	**632,904**	**149**	**158**	**0.22**
PIONEER PROPERTY						
WY 1995	62,274	58,538	4,194	50	53	**0.07**
WY 1996	51,330	48,250	6,059	87	92	**0.13**
WY 1997	38,169	35,879	4,802	93	98	**0.13**
WY 1998	57,357	53,916	8,236	106	112	**0.15**
WY 1999	21,884	20,571	2,048	69	73	**0.10**
WY 2000	22,032	20,710	4,743	158	168	**0.23**
WY 2001	1,253	1,178	477	280	298	**0.40**
WY 2002	1,434	1,348	561	288	306	**0.42**
WY 2003	617	580	194	231	246	**0.33**
WY 2004	14,566	13,692	6,104	308	328	**0.45**
WY 2005	93,466	87,858	14,445	114	121	**0.16**
WY 2006	64,388	60,525	12,360	141	150	**0.20**
WY 2007	19,386	18,223	5,308	201	214	**0.29**
WY 2008	-	-	-	-	-	-
WY 2009	-	-	-	-	-	-
WY 2010	-	-	-	-	-	-
WY 2011	132,320	124,381	23,128	129	137	**0.19**
WY 2012	27,293	25,655	3,926	106	113	**0.15**
WY 2013	-	-	-	-	-	-
WY 2014	-	-	-	-	-	-
WY 2015	-	-	-	-	-	-
WY 2016	-	-	-	-	-	-
WY 2017	168,453	158,346	26,799	117	125	**0.17**
WY 2018	30,571	28,737	7,322	176	187	**0.25**
WY 2019	109,400	102,836	18,404	124	132	**0.18**
WY 2020	13,989	13,150	4,059	213	227	**0.31**
WY 2021	-	-	-	-	-	-
TOTAL	**930,182**	**874,371**	**153,168**	**121**	**129**	**0.18**

PROJECT	GROSS RECHARGE (AF)	NET RECHARGE (AF)	SALT LOAD (TONS)	AVERAGE TDS (MG/L) GROSS (MG/L)	AVERAGE TDS (MG/L) NET (MG/L)	AVERAGE TDS (MG/L) NET (TONS/AF)
BUENA VISTA WATER DISTRICT						
WY 1995	-	-	-	-	-	-
WY 1996	-	-	-	-	-	-
WY 1997	-	-	-	-	-	-
WY 1998	-	-	-	-	-	-
WY 1999	-	-	-	-	-	-
WY 2000	-	-	-	-	-	-
WY 2001	-	-	-	-	-	-
WY 2002	-	-	-	-	-	-
WY 2003	-	-	-	-	-	-
WY 2004	-	-	-	-	-	-
WY 2005	-	-	-	-	-	-
WY 2006	-	-	-	-	-	-
WY 2007	29,325	27,566	4,535	114	121	**0.16**
WY 2008	32,844	30,873	3,313	74	79	**0.11**
WY 2009	35,074	32,970	3,421	72	76	**0.10**
WY 2010	50,438	47,412	5,001	73	78	**0.11**
WY 2011	51,255	48,180	5,614	81	86	**0.12**
WY 2012	36,518	34,327	6,356	128	136	**0.19**
WY 2013	16,232	15,258	3,409	155	164	**0.22**
WY 2014	-	-	-	-	-	-
WY 2015	-	-	-	-	-	-
WY 2016	49,008	46,068	15,693	236	251	**0.34**
WY 2017	105,182	98,871	17,989	126	134	**0.18**
WY 2018	31,234	29,360	9,263	218	232	**0.32**
WY 2019	72,966	68,588	16,085	162	173	**0.23**
WY 2020	7,940	7,464	2,404	223	237	**0.32**
WY 2021	5,938	5,582	2,020	250	266	**0.36**
TOTAL	**523,954**	**492,517**	**95,102**	**134**	**142**	**0.19**
KERN DELTA WATER DISTRICT						
WY 1995	-	-	-	-	-	-
WY 1996	-	-	-	-	-	-
WY 1997	-	-	-	-	-	-
WY 1998	-	-	-	-	-	-
WY 1999	-	-	-	-	-	-
WY 2000	-	-	-	-	-	-
WY 2001	-	-	-	-	-	-
WY 2002	-	-	-	-	-	-
WY 2003	-	-	-	-	-	-
WY 2004	-	-	-	-	-	-
WY 2005	-	-	-	-	-	-
WY 2006	-	-	-	-	-	-
WY 2007	-	-	-	-	-	-
WY 2008	-	-	-	-	-	-
WY 2009	-	-	-	-	-	-
WY 2010	27,227	25,593	7,594	205	218	**0.30**
WY 2011	103,021	96,840	27,183	194	207	**0.28**
WY 2012	91,141	85,673	27,163	219	233	**0.32**
WY 2013	23,627	22,209	9,439	294	313	**0.43**
WY 2014	-	-	-	-	-	-
WY 2015	-	-	-	-	-	-
WY 2016	-	-	-	-	-	-
WY 2017	146,006	137,246	21,903	110	117	**0.16**
WY 2018	82,401	77,457	11,383	102	108	**0.15**
WY 2019	49,018	46,077	11,378	171	182	**0.25**
WY 2020	15,253	14,338	2,673	129	137	**0.19**
WY 2021	756	711	154	150	160	**0.22**
TOTAL	**538,450**	**506,143**	**118,871**	**162**	**173**	**0.23**
ROSEDALE-RIO BRAVO - does not include JURP						
WY 1995	-	-	-	-	-	-
WY 1996	-	-	-	-	-	-
WY 1997	-	-	-	-	-	-
WY 1998	-	-	-	-	-	-
WY 1999	-	-	-	-	-	-
WY 2000	-	-	-	-	-	-
WY 2001	-	-	-	-	-	-
WY 2002	-	-	-	-	-	-
WY 2003	-	-	-	-	-	-
WY 2004	-	-	-	-	-	-
WY 2005	-	-	-	-	-	-
WY 2006	-	project totals not included until 2007				
WY 2007	3,908	3,674	712	134	143	**0.19**
WY 2008	-	-	-	0	0	-
WY 2009	515	484	93	133	141	**0.19**
WY 2010	62,294	58,556	6,978	82	88	**0.12**
WY 2011	220,961	207,703	33,498	112	119	**0.16**
WY 2012	83,592	78,576	13,297	117	125	**0.17**
WY 2013	2,980	2,801	1,089	269	286	**0.39**
WY 2014	-	-	-	-	-	-
WY 2015	-	-	-	-	-	-
WY 2016	1,891	1,778	292	114	121	**0.16**
WY 2017	230,016	216,215	31,065	99	106	**0.14**
WY 2018	69,567	65,393	18,840	199	212	**0.29**
WY 2019	128,567	120,853	15,363	88	94	**0.13**
WY 2020	29,245	27,490	7,539	190	202	**0.27**
WY 2021	10,111	9,504	605	44	47	**0.06**
TOTAL	**843,647**	**793,028**	**129,373**	**113**	**120**	**0.16**
KERN RIVER CHANNEL						
WY 1995	2,919	2,744	173	44	46	**0.06**
WY 1996	13,601	12,785	1,035	56	60	**0.08**
WY 1997	5,330	5,010	438	60	64	**0.09**
WY 1998	6,468	6,080	809	92	98	**0.13**
WY 1999	768	722	18	17	18	**0.02**
WY 2000	5,956	5,599	218	27	29	**0.04**
WY 2001	139	131	53	280	298	**0.40**
WY 2002	4,380	4,117	570	96	102	**0.14**
WY 2003	8,886	8,353	382	32	34	**0.05**
WY 2004	17,418	16,373	6,579	278	296	**0.40**
WY 2005	27,662	26,002	1,178	31	33	**0.05**
WY 2006	3,160	2,970	540	126	134	**0.18**
WY 2007	-	-	-	-	-	-
WY 2008	-	-	-	-	-	-
WY 2009	-	-	-	-	-	-
WY 2010	-	-	-	-	-	-
WY 2011	12,946	12,169	1,647	94	100	**0.14**
WY 2012	7,094	6,668	471	49	52	**0.07**
WY 2013	18	17	7	269	286	**0.39**
WY 2014	-	-	-	-	-	-
WY 2015	-	-	-	-	-	-
WY 2016	-	-	-	-	-	-
WY 2017	34,062	32,018	3,115	67	72	**0.10**
WY 2018	8,547	8,034	1,208	104	111	**0.15**
WY 2019	12,852	12,081	1,547	89	94	**0.13**
WY 2020	1,778	1,671	191	79	84	**0.11**
WY 2021	-	-	-	-	-	-
TOTAL	**173,984**	**163,545**	**20,176**	**85**	**91**	**0.12**

PROJECT	GROSS RECHARGE (AF)	NET RECHARGE (AF)	SALT LOAD (TONS)	AVERAGE TDS (MG/L) GROSS (MG/L)	AVERAGE TDS (MG/L) NET (MG/L)	AVERAGE TDS (MG/L) NET (TONS/AF)
IMPROVEMENT DISTRICT NO. 4						
WY 1995	-	-	-	-	-	-
WY 1996	-	-	-	-	-	-
WY 1997	-	-	-	-	-	-
WY 1998	-	-	-	-	-	-
WY 1999	-	-	-	-	-	-
WY 2000	-	-	-	-	-	-
WY 2001	-	-	-	-	-	-
WY 2002	-	-	-	-	-	-
WY 2003	-	-	-	-	-	-
WY 2004	-	-	-	-	-	-
WY 2005	-	-	-	-	-	-
WY 2006	-	-	-	-	-	-
WY 2007	-	-	-	-	-	-
WY 2008	-	-	-	-	-	-
WY 2009	-	-	-	-	-	-
WY 2010	-	-	-	-	-	-
WY 2011	-	-	-	-	-	-
WY 2012	-	-	-	-	-	-
WY 2013	-	-	-	-	-	-
WY 2014	-	-	-	-	-	-
WY 2015	-	-	-	-	-	-
WY 2016	-	project totals not included until 2017				-
WY 2017	29,634	27,856	3,980	99	105	**0.14**
WY 2018	24,995	23,495	4,491	132	141	**0.19**
WY 2019	32,232	30,298	6,721	153	163	**0.22**
WY 2020	23,074	21,690	4,417	141	150	**0.20**
WY 2021	10,785	10,138	1,846	126	134	**0.18**
TOTAL	**120,720**	**113,477**	**21,454**	**131**	**139**	**0.19**
WEST KERN WATER DISTRICT						
WY 1995	-	-	-	-	-	-
WY 1996	-	-	-	-	-	-
WY 1997	-	-	-	-	-	-
WY 1998	-	-	-	-	-	-
WY 1999	-	-	-	-	-	-
WY 2000	-	-	-	-	-	-
WY 2001	-	-	-	-	-	-
WY 2002	-	-	-	-	-	-
WY 2003	-	-	-	-	-	-
WY 2004	-	-	-	-	-	-
WY 2005	-	-	-	-	-	-
WY 2006	-	-	-	-	-	-
WY 2007	-	-	-	-	-	-
WY 2008	-	-	-	-	-	-
WY 2009	-	-	-	-	-	-
WY 2010	29,615	27,838	4,366	108	115	**0.16**
WY 2011	56,691	53,290	9,725	126	134	**0.18**
WY 2012	30,439	28,613	9,089	220	234	**0.32**
WY 2013	2,885	2,712	1,192	304	323	**0.44**
WY 2014	228	214	51	163	174	**0.24**
WY 2015	123	116	25	150	160	**0.22**
WY 2016	50	47	12	172	183	**0.25**
WY 2017	53,889	50,656	12,475	170	181	**0.25**
WY 2018	18,617	17,500	4,567	180	192	**0.26**
WY 2019	22,360	21,018	5,961	196	209	**0.28**
WY 2020	4,049	3,806	1,042	189	201	**0.27**
WY 2021	2,174	2,044	586	198	211	**0.29**
TOTAL	**221,120**	**207,853**	**49,090**	**163**	**174**	**0.24**
JOINT USE RECOVERY PROJECT						
WY 1995	-	-	-	-	-	-
WY 1996	-	-	-	-	-	-
WY 1997	-	-	-	-	-	-
WY 1998	-	-	-	-	-	-
WY 1999	-	-	-	-	-	-
WY 2000	-	-	-	-	-	-
WY 2001	-	-	-	-	-	-
WY 2002	-	-	-	-	-	-
WY 2003	-	-	-	-	-	-
WY 2004	-	-	-	-	-	-
WY 2005	-	-	-	-	-	-
WY 2006	-	-	-	-	-	-
WY 2007	-	-	-	-	-	-
WY 2008	-	-	project complete			
WY 2009	1,839	1,729	332	133	141	**0.19**
WY 2010	14,763	13,877	1,285	64	68	**0.09**
WY 2011	26,302	24,724	4,015	112	119	**0.16**
WY 2012	9,835	9,245	885	66	70	**0.10**
WY 2013	2,642	2,483	1,046	291	310	**0.42**
WY 2014	-	-	-	-	-	-
WY 2015	-	-	-	-	-	-
WY 2016	2,226	2,092	420	139	148	**0.20**
WY 2017	59,903	56,309	5,806	71	76	**0.10**
WY 2018	20,323	19,104	1,859	67	72	**0.10**
WY 2019	41,462	38,974	3,515	62	66	**0.09**
WY 2020	10,492	9,862	1,830	128	136	**0.19**
WY 2021	2,313	2,174	138	44	47	**0.06**
TOTAL	**192,100**	**180,574**	**21,131**	**81**	**86**	**0.12**
COMBINED AREAS						
WY 1995	323,211	303,818	33,679	77	82	**0.11**
WY 1996	338,652	318,333	57,502	125	133	**0.18**
WY 1997	195,211	183,498	29,350	111	118	**0.16**
WY 1998	403,774	379,548	58,673	107	114	**0.15**
WY 1999	117,313	110,274	14,719	92	98	**0.13**
WY 2000	110,441	103,815	20,809	139	147	**0.20**
WY 2001	14,294	13,436	5,431	280	297	**0.40**
WY 2002	20,733	19,489	6,832	242	258	**0.35**
WY 2003	16,001	15,041	2,391	110	117	**0.16**
WY 2004	96,260	90,484	39,427	301	321	**0.44**
WY 2005	558,618	525,101	129,462	171	181	**0.25**
WY 2006	460,751	433,106	93,823	150	159	**0.22**
WY 2007	151,353	142,272	39,242	191	203	**0.28**
WY 2008	32,844	30,873	3,313	74	79	**0.11**
WY 2009	37,428	35,182	3,847	76	80	**0.11**
WY 2010	185,462	174,334	25,575	101	108	**0.15**
WY 2011	1,091,428	1,025,942	191,290	129	137	**0.19**
WY 2012	403,242	379,047	79,255	145	154	**0.21**
WY 2013	54,134	50,886	18,466	251	267	**0.36**
WY 2014	228	214	51	163	174	**0.24**
WY 2015	123	116	25	150	160	**0.22**
WY 2016	53,175	49,985	16,416	227	242	**0.33**
WY 2017	1,371,676	1,289,375	216,285	116	123	**0.17**
WY 2018	434,741	408,657	99,336	168	179	**0.24**
WY 2019	811,762	763,056	155,913	141	150	**0.20**
WY 2020	163,018	153,237	40,100	181	193	**0.26**
WY 2021	35,880	33,727	6,922	142	151	**0.21**
TOTAL	**7,481,753**	**7,032,848**	**1,388,133**	**137**	**145**	**0.20**

State Water Project
California Aqueduct Near Highway 119/Teerink Pumping Plant (Check 29)
Water Quality - Total Dissolved Solids (TDS) (1)

Year	Month	TDS (mg/l)	Year	Month	TDS (mg/l)	Year	Month	TDS (mg/l)	Year	Month	TDS (mg/l)	Year	Month	TDS (mg/l)	Year	Month	TDS (mg/l)	Year	Month	TDS (mg/l)	Year	Month	TDS (mg/l)
1995	Jan	417	1998	Jan	297	2001	Jan	374	2004	Jan	306	2007	Jan	343	2010	Jan	215	2013	Jan	301	2016	Jan	NR	2019	Jan	359
	Feb	219		Feb	227		Feb	337		Feb	238		Feb	294		Feb	144		Feb	318		Feb	NR		Feb	396
	Mar	263		Mar	218		Mar	280		Mar	265		Mar	250		Mar	260		Mar	289		Mar	281		Mar	143
	Apr	274		Apr	108		Apr	275		Apr	210		Apr	235		Apr	192		Apr	272		Apr	272		Apr	185
	May	144		May	78		May	239		May	275		May	241		May	260		May	284		May	332		May	273
	Jun	152		Jun	78		Jun	227		Jun	261		Jun	254		Jun	246		Jun	276		Jun	306		Jun	71
	Jul	158		Jul	124		Jul	291		Jul	199		Jul	191		Jul	244		Jul	190		Jul	217		Jul	205
	Aug	178		Aug	186		Aug	245		Aug	208		Aug	223		Aug	162		Aug	262		Aug	155		Aug	241
	Sep	165		Sep	206		Sep	323		Sep	234		Sep	325		Sep	229		Sep	325		Sep	217		Sep	119
	Oct	141		Oct	142		Oct	365		Oct	292		Oct	274		Oct	269		Oct	336		Oct	320		Oct	215
	Nov	160		Nov	130		Nov	333		Nov	317		Nov	274		Nov	237		Nov	345		Nov	309		Nov	234
	Dec	270		Dec	207		Dec	310		Dec	284		Dec	281		Dec	291		Dec	NR		Dec	280		Dec	173
1996	Jan	284	1999	Jan	315	2002	Jan	273	2005	Jan	343	2008	Jan	321	2011	Jan	144	2014	Jan	335	2017	Jan	286	2020	Jan	227
	Feb	251		Feb	216		Feb	237		Feb	306		Feb	343		Feb	171		Feb	276		Feb	147		Feb	257
	Mar	236		Mar	158		Mar	290		Mar	311		Mar	281		Mar	172		Mar	259		Mar	125		Mar	263
	Apr	211		Apr	231		Apr	287		Apr	186		Apr	311		Apr	105		Apr	241		Apr	148		Apr	224
	May	265		May	232		May	316		May	245		May	286		May	136		May	231		May	90		May	258
	Jun	260		Jun	228		Jun	295		Jun	161		Jun	290		Jun	156		Jun	327		Jun	74		Jun	238
	Jul	214		Jul	199		Jul	245		Jul	203		Jul	257		Jul	135		Jul	330		Jul	93		Jul	218
	Aug	197		Aug	153		Aug	309		Aug	209		Aug	279		Aug	158		Aug	369		Aug	122		Aug	218
	Sep	146		Sep	164		Sep	309		Sep	229		Sep	265		Sep	120		Sep	326		Sep	124		Sep	229
	Oct	152		Oct	258		Oct	412		Oct	204		Oct	301		Oct	127		Oct	336		Oct	219		Oct	311
	Nov	195		Nov	242		Nov	412		Nov	230		Nov	258		Nov	127		Nov	289		Nov	216		Nov	297
	Dec	266		Dec	291		Dec	355		Dec	329		Dec	309		Dec	180		Dec	417		Dec	159		Dec	309
1997	Jan	66	2000	Jan	295	2003	Jan	306	2006	Jan	171	2009	Jan	324	2012	Jan	322	2015	Jan	243	2018	Jan	276	2021	Jan	290
	Feb	88		Feb	250		Feb	273		Feb	203		Feb	300		Feb	330		Feb	243		Feb	277		Feb	270
	Mar	147		Mar	187		Mar	231		Mar	178		Mar	297		Mar	250		Mar	306		Mar	276		Mar	320
	Apr	225		Apr	206		Apr	242		Apr	148		Apr	281		Apr	298		Apr	289		Apr	212		Apr	262
	May	227		May	239		May	316		May	151		May	303		May	252		May	306		May	193		May	264
	Jun	219		Jun	239		Jun	167		Jun	118		Jun	315		Jun	233		Jun	315		Jun	246		Jun	244
	Jul	210		Jul	189		Jul	231		Jul	198		Jul	230		Jul	192		Jul	348		Jul	249		Jul	277
	Aug	224		Aug	213		Aug	178		Aug	159		Aug	223		Aug	190		Aug	327		Aug	169		Aug	204
	Sep	154		Sep	164		Sep	175		Sep	154		Sep	283		Sep	253		Sep	400		Sep	282		Sep	213
	Oct	180		Oct	248		Oct	273		Oct	160		Oct	332		Oct	334		Oct	311		Oct	297		Oct	
	Nov	331		Nov	262		Nov	303		Nov	167		Nov	230		Nov	258		Nov	351		Nov	295		Nov	
	Dec	293		Dec	301		Dec	384		Dec	269		Dec	271		Dec	269		Dec	365		Dec	289		Dec	

Notes:
NR = no value.

1. Source of data: Table 32 of State Water Project Operations Data published monthly by State of California, Department of Water Resources, Division of Operations and Maintenance.
https://water.ca.gov/Programs/State-Water-Project/Operations-and-Maintenance/Monthly-and-Annual-Operations-Reports

Chapter 2
PROJECT OPERATIONS

Specific project operations are shown in tables in this chapter. Recharge operations started in 1995 and continue as conditions arise. Recovery operations started in 2001 and continue to the present. Allocations from the State Water Project were variable between 1995 and 2021, as shown in the table below. Detailed breakdown of the State Water Project allocation is in Appendix A.

State Water Project Allocation History			
Year	Table A Allocation	Year	Table A Allocation
1996	100%	2010	50%
1997	100%	2011	80%
1998	100%	2012	65%
1999	100%	2013	35%
2000	90%	2014	5%
2001	39%	2015	20%
2002	70%	2016	60%
2003	90%	2017	85%
2004	65%	2018	35%
2005	90%	2019	75%
2006	100%	2020	20%
2007	60%	2021	5%
2008	35%	2022	5%
2009	40%	2023	100%

DESCRIPTION OF TABLES

Chapter 2 is dedicated to recovery and recharge operations. Only physical recharge and physical recovery are reflected in the tables. The data within these tables are used to determine the TDS ratio of groundwater of the Kern Fan region.

Kern Fan Monitoring Committee
Berrenda Mesa Project
Recovery Summary and Solids Content

Table 2A-1

			Water Year 2018			Water Year 2019			Water Year 2020			Water Year 2021			From Jan. 2001 - Sept. 2021		
WELL	Total Volume through 2017 (AF)	Total Salt/Solid Recovered through 2017	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Through Sept. 2021 Total Volume (AF)	Through Sept. 2021 Salt/Solids Recovered (tons)	TDS (tons/af)
BK 1	13,455	2,810	767	200	208	80	200	22	838	200	228	1,616	200	439	16,756	3,708	0.22
BK 2	17,442	3,793	749	150	153	89	150	18	943	150	192	1,880	150	383	21,103	4,539	0.22
BK 3	14,250	2,200	609	160	132	75	160	16	794	160	173	75	160	16	15,803	2,537	0.16
BK 4	11,209	2,396	1,183	150	241	78	150	16	1,049	150	214	1,604	150	327	15,123	3,193	0.21
BK 5	19,063	2,975	1,186	180	290	98	180	24	1,052	180	257	2,202	180	539	23,601	4,085	0.17
BK 6	16,789	3,423	926	170	214	83	170	19	886	170	205	1,641	170	379	20,325	4,240	0.21
BK 7	17,400	5,439	915	250	311	98	250	33	614	250	209	1,232	250	419	20,259	6,410	0.32
BK 8	13,724	4,938	870	220	260	89	220	27	589	220	176	2,126	220	636	17,398	6,036	0.35
BK 9	11,376	3,138	80	160	17	0	160	0	592	160	129	1,783	160	388	13,831	3,672	0.27
BK 10	11,665	3,231	83	220	25	0	220	0	693	220	207	1,901	220	568	14,342	4,031	0.28
BK 11	11,864	3,547	80	220	24	0	220	0	629	220	188	1,370	220	410	13,943	4,169	0.30
BK 12	12,161	5,025	79	190	20	0	190	0	0	190	0	1,933	190	499	14,173	5,545	0.39
BM 1	15,225	2,402	713	130	126	57	130	10	0	130	0	1,121	130	198	17,116	2,736	0.16
BM 3	11,638	1,725	595	140	113	39	140	7	0	140	0	943	140	179	13,215	2,025	0.15
TOTAL	**197,261**	**47,041**	**8,835**		**2,136**	**786**		**193**	**8,679**		**2,177**	**21,427**		**5,380**	**236,988**	**56,926**	**0.24**
															TDS (tons/af) of recharged water		0.18
															ratio of salt removed/salt loaded		1.3

Kern Fan Monitoring Committee
2800 Acres
Recovery Summary and Solids Content

Table 2A-2

			Water Year 2018			Water Year 2019			Water Year 2020			Water Year 2021			From Jan. 2001 - Sept. 2021		
WELL	Total Volume through 2017 (AF)	Total Salt/Solid Recovered through 2017	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Through Sept. 2021 Total Volume (AF)	Through Sept. 2021 Salt/Solids Recovered (tons)	TDS (tons/af)
KCWA 1	16,903	4,365	1,123	270	412	304	270	112	2,352	270	863	2,675	270	982	23,357	6,733	0.29
KCWA 2	12,612	3,428	1,027	170	237	281	170	65	2,052	170	474	1,707	170	394	17,679	4,599	0.26
KCWA 3	14,284	5,047	516	250	175	193	250	66	1,246	250	423	1,819	250	618	18,058	6,330	0.35
KCWA 4	17,022	4,627	523	200	142	54	200	15	1,745	200	474	2,178	200	592	21,522	5,850	0.27
KCWA 5	11,717	3,185	1,006	180	246	272	180	67	2,001	180	490	2,832	180	693	17,828	4,680	0.26
KCWA 7	15,989	4,666	776	150	158	7	150	1	1,884	150	384	1,472	150	300	20,128	5,510	0.27
KCWA 8	17,950	6,343	956	170	221	264	170	61	2,107	170	487	2,587	170	598	23,864	7,709	0.32
KCWA 9	14,668	5,279	733	160	159	217	160	47	1,667	160	362	1,892	160	411	19,177	6,259	0.33
KCWA 10	15,885	4,102	798	220	239	226	220	68	1,584	220	474	1,674	220	501	20,167	5,382	0.27
Olcese 1	5,353	1,528	0	210	0	0	210	0	0	210	0	0	210	0	5,353	1,528	0.29
Olcese 2	5,929	1,370	0	170	0	0	170	0	0	170	0	0	170	0	5,929	1,370	0.23
Olcese 3	16,112	4,379	0	200	0	0	200	0	0	200	0	0	200	0	16,112	4,379	0.27
Olcese 4	17,314	4,706	0	200	0	0	200	0	0	200	0	0	200	0	17,314	4,706	0.27
Olcese 5	20,764	6,208	0	220	0	0	220	0	0	220	0	0	220	0	20,764	6,208	0.30
Olcese 6	20,143	5,475	0	200	0	0	200	0	0	200	0	0	200	0	20,143	5,475	0.27
Olcese 7	18,806	5,367	0	210	0	0	210	0	0	210	0	0	210	0	18,806	5,367	0.29
Olcese 8	17,231	3,747	0	160	0	0	160	0	0	160	0	0	160	0	17,231	3,747	0.22
TOTAL	**258,682**	**73,823**	**7,458**		**1,990**	**1,818**		**500**	**16,638**		**4,431**	**18,836**		**5,089**	**303,432**	**85,833**	**0.28**
																TDS (tons/af) of recharged water	0.20
																ratio of salt removed/salt loaded	1.4

Kern Fan Monitoring Committee
Kern Water Bank
Recovery Summary and Solids Content

Table 2A-3

WELL	Total Volume through 2017 (AF)	Total Salt/Solid Recovered through 2017	Water Year 2018			Water Year 2019			Water Year 2020			Water Year 2021			From Jan. 2001 - Sept. 2021		
			Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Through Sept. 2021 Total Volume (AF)	Through Sept. 2021 Salt/Solids Recovered (tons)	TDS (tons/af)
30S/24E-12H01	8,276	4,276	246	400	134	0	400	0	1,050	400	571	1,488	400	809	11,060	5,789	0.52
30S/24E-12R01	9,036	5,038	269	410	150	0	410	0	1,067	410	595	1,498	410	835	11,870	6,617	0.56
30S/24E-13B01	-	-	0	590	0	0	590	0	0	590	0	2,002	590	1,605	2,002	1,605	0.80
30S/24E-13C01	5,516	4,090	175	520	124	0	520	0	481	520	340	0	520	0	6,172	4,553	0.74
30S/24E-13H01	10,976	8,551	350	540	257	0	540	0	1,392	540	1,022	1,948	540	1,430	14,666	11,259	0.77
30S/24E-24A01	7,858	7,129	565	590	453	0	590	0	1,297	590	1,040	1,643	590	1,317	11,363	9,939	0.87
30S/25E-01Q01	23,057	9,181	411	280	156	0	280	0	1,191	280	453	1,603	280	610	26,262	10,400	0.40
30S/25E-03L01	6,391	2,474	129	270	47	0	270	0	429	270	157	0	270	0	6,949	2,679	0.39
30S/25E-03Q01	22,236	9,490	304	270	112	0	270	0	919	270	337	1,977	270	725	25,436	10,664	0.42
30S/25E-03Q02	22,649	4,599	287	250	98	0	250	0	1,338	250	455	1,592	250	541	25,866	5,692	0.22
30S/25E-03R01	20,263	3,719	371	250	126	0	250	0	220	250	75	2,104	250	715	22,958	4,635	0.20
30S/25E-04L01/02	13,999	4,399	0	260	0	0	260	0	1,755	260	620	2,021	260	714	17,775	5,733	0.32
30S/25E-05K01	18,027	5,101	568	220	170	0	220	0	1,452	220	434	1,421	220	425	21,468	6,130	0.29
30S/25E-06K01	25,691	4,871	530	220	158	0	220	0	1,020	220	305	1,338	220	400	28,579	5,734	0.20
30S/25E-07G01	35,933	10,828	1,061	310	447	0	310	0	2,699	310	1,137	3,237	310	1,364	42,930	13,776	0.32
30S/25E-07P01	11,986	5,713	200	360	98	0	360	0	891	360	436	1,136	360	556	14,213	6,803	0.48
30S/25E-07R01	13,757	5,610	282	320	123	0	320	0	1,132	320	492	1,322	320	575	16,493	6,800	0.41
30S/25E-08F01	19,640	4,902	631	190	163	0	190	0	1,415	190	365	1,425	190	368	23,111	5,798	0.25
30S/25E-08J01/02	19,375	7,106	714	260	252	0	260	0	1,639	260	579	1,562	320	679	23,290	8,617	0.37
30S/25E-08P01/02	14,166	6,100	190	330	85	0	330	0	609	330	273	2,282	330	1,023	17,247	7,482	0.43
30S/25E-09A01	17,205	6,295	251	280	96	0	280	0	988	280	376	1,594	280	607	20,038	7,373	0.37
30S/25E-09J01/02	7,308	2,718	246	270	90	0	270	0	60	270	22	1,007	270	370	8,621	3,200	0.37
30S/25E-09L01	8,517	3,056	0		0	0		0	0		0	0		0	8,517	3,056	0.36
30S/25E-09L02	3,264	1,109	432	250	147	0	250	0	1,036	250	352	762	250	259	5,494	1,867	0.34
30S/25E-10K01	18,434	6,801	338	260	119	0	260	0	1,242	260	439	1,422	260	502	21,436	7,861	0.37
30S/25E-11A01	15,341	4,364	213	230	67	0	230	0	730	230	228	1,158	230	362	17,442	5,021	0.29
30S/25E-11C01	1,179	849	0		0	0		0	0		0	0		0	1,179	849	0.72
30S/25E-11C02	16,985	9,992	557	310	235	0	310	0	1,918	310	808	2,602	310	1,096	22,062	12,131	0.55
30S/25E-11E01	16,494	5,574	0	320	0	0	320	0	1,176	320	511	1,771	320	770	19,441	6,856	0.35
30S/25E-11L01	8,952	2,523	370	240	121	0	240	0	1,454	240	474	2,467	240	805	13,243	3,922	0.30
30S/25E-11L02	3,157	1,588	0		0	0		0	0		0	0		0	3,157	1,588	0.50
30S/25E-11N01	13,836	5,241	146	280	56	0	280	0	639	280	243	829	280	315	15,450	5,856	0.38
30S/25E-11Q01	16,727	5,343	322	310	136	0	310	0	1,298	310	547	1,743	310	734	20,090	6,760	0.34
30S/25E-11R01	-	-	425	180	104	0	180	0	1,385	180	339	2,069	180	506	3,879	949	0.00
30S/25E-12C01	12,080	7,370	441	230	138	0	230	0	1,128	230	353	853	230	267	14,502	8,127	0.56
30S/25E-13B01	-	-	276	250	94	0	250	0	1,628	250	553	2,462	250	837	4,366	1,483	0.34
30S/25E-13F01	11,120	3,158	167	300	68	0	300	0	749	300	305	1,113	300	454	13,149	3,985	0.30
30S/25E-13J01	10,487	1,991	123	160	27	0	160	0	331	160	72	690	160	150	11,631	2,240	0.19
30S/25E-13L01	11,084	3,014	214	200	58	0	200	0	968	200	263	920	200	250	13,186	3,586	0.27
30S/25E-14E01	23,914	8,935	403	260	142	0	260	0	955	260	337	1,988	260	702	27,260	10,117	0.37
30S/25E-14J01	22,819	8,386	300	250	102	0	250	0	1,415	250	481	1,636	250	556	26,170	9,525	0.36
30S/25E-14K01	16,551	2,869	185	260	65	0	260	0	459	260	162	1,320	260	466	18,515	3,563	0.19
30S/25E-14N01	10,731	2,754	145	250	49	0	250	0	1,034	250	351	1,408	250	478	13,318	3,633	0.27
30S/25E-14R01	16,079	7,862	342	240	112	0	240	0	1,185	240	387	1,569	240	512	19,175	8,872	0.46
30S/25E-15B01/02	8,765	2,602	0	220	0	0	220	0	1,489	220	445	1,328	220	397	11,582	3,444	0.30
30S/25E-15C01/02	10,293	3,445	32	180	8	0	180	0	0	180	0	1,069	180	262	11,394	3,714	0.33
30S/25E-15L01	2,686	657	296	240	97	0	240	0	716	240	234	1,157	240	377	4,855	1,365	0.28
30S/25E-15N01	9,396	3,180	158	260	56	0	260	0	561	260	198	801	260	283	10,916	3,717	0.34
30S/25E-15Q01	10,945	3,416	483	190	125	0	190	0	1,536	190	397	1,533	190	396	14,497	4,333	0.30
30S/25E-15R01	12,224	3,956	262	270	96	0	270	0	814	270	299	441	270	162	13,741	4,513	0.33
30S/25E-16B01	16,293	5,201	673	240	220	0	240	0	1,555	240	507	1,245	240	406	19,766	6,333	0.32
30S/25E-16D01	16,353	4,492	703	160	153	0	160	0	1,588	160	345	1,922	160	418	20,566	5,408	0.26
30S/25E-16F01	15,501	5,214	621	230	194	0	230	0	1,339	230	419	1,332	230	416	18,793	6,243	0.33
30S/25E-16J01	11,444	3,836	137	240	45	0	240	0	668	240	218	845	240	276	13,094	4,374	0.33
30S/25E-16M01	21,728	6,618	0	290	0	0	290	0	2,106	290	830	3,216	290	1,268	27,050	8,716	0.32
30S/25E-16P01	22,620	8,219	531	250	180	0	250	0	1,839	250	625	2,697	250	916	27,687	9,941	0.36
30S/25E-16R01	1,661	406	0		0	0		0			0	0		0	1,661	406	0.24
30S/25E-17F01	20,856	7,702	1,180	270	433	0	270	0	1,495	270	549	1,943	270	713	25,474	9,397	0.37
30S/25E-17H01	40,606	13,772	2,020	260	714	0	260	0	2,134	260	754	3,405	260	1,203	48,165	16,443	0.34
30S/25E-17J01	45,542	14,730	2,060	260	728	0	260	0	1,448	260	512	2,519	260	890	51,569	16,859	0.33
30S/25E-17M01	33,233	16,604	1,764	330	791	0	330	0	1,070	330	480	2,530	330	1,135	38,597	19,009	0.49
30S/25E-17P01	35,597	18,612	2,173	260	768	0	260	0	2,540	260	898	3,343	260	1,181	43,653	21,459	0.49
30S/25E-18A01	5,601	2,238	0	250	0	0	250	0	0	250	0	0	250	0	5,601	2,238	0.40
30S/25E-18A02	7,392	3,014	1,663	310	701	0	310	0	1,960	310	826	2,462	310	1,037	13,477	5,578	0.41
30S/25E-18C01	15,941	8,079	321	410	179	0	410	0	961	410	535	1,602	410	893	18,825	9,686	0.51
30S/25E-18K01	37,961	30,566	1,997	480	1,303	0	480	0	2,468	480	1,610	3,276	480	2,137	45,702	35,616	0.78
30S/25E-18P01	22,454	17,884	377	490	251	0	490	0	1,683	490	1,121	2,239	490	1,491	26,753	20,746	0.78
30S/25E-18R01	23,786	14,048	1,414	410	788	0	410	0	1,390	410	775	2,290	410	1,276	28,880	16,887	0.58
30S/25E-20A01	32,609	10,674	569	260	201	0	260	0	2,126	260	751	3,342	260	1,181	38,646	12,807	0.33
30S/25E-20C01	26,929	17,052	296	400	161	0	400	0	849	400	462	1,654	400	899	29,728	18,573	0.62
30S/25E-20L01	28,695	18,292	2,082	470	1,330	0	470	0	2,527	470	1,614	3,798	470	2,426	37,102	23,662	0.64
30S/25E-21A02	11,063	4,689	220	260	78	0	260	0	610	260	216	1,306	260	461	13,199	5,444	0.41
30S/25E-21C01	-		0	240	0	0	240	0	0	240	0	3,205	240	1,045	3,205	1,045	0.33
30S/25E-21D01	21,669	8,040	300	220	90	0	220	0	1,487	220	445	2,197	220	657	25,653	9,232	0.36
30S/25E-21G01/02	18,706	7,411	10	260	4	0	260	0	424	260	150	0	260	0	19,140	7,564	0.40
30S/25E-23H01	12,550	9,401	173	170	40	0	170	0	668	170	154	878	170	203	14,269	9,798	0.69
30S/25E-24K01	11,660	5,592	136	170	31	0	170	0	893	170	206	978	170	226	13,667	6,056	0.44
30S/25E-36D01	3,295	1,299	0	330	0	0	330	0	0	330	0	0	330	0	3,295	1,299	0.39
30S/26E-06N01	25,196	8,858	391	250	133	0	250	0	1,392	250	473	2,175	250	739	29,154	10,203	0.35
30S/26E-06P01	24,816	8,740	414	310	174	0	310	0	1,819	310	766	2,763	310	1,164	29,812	10,845	0.36
30S/26E-07C01	18,162	5,508	268	320	117	0	320	0	1,153	320	501	1,887	320	821	21,470	6,947	0.32
30S/26E-07J01	21,308	6,157	280	210	80	0	210	0	1,236	210	353	2,071	210	591	24,895	7,181	0.29
30S/26E-07L01	23,083	6,903	0	200	0	0	200	0	1,827	200	497	2,644	200	719	27,554	8,119	0.29
30S/26E-07N01	13,575	4,243	226	240	74	0	240	0	964	240	314	1,404	240	458	16,169	5,089	0.31
30S/26E-07Q01	23,107	6,476	339	200	92	0	200	0	1,664	200	452	2,413	200	656	27,523	7,677	0.28
30S/26E-07R01	21,760	6,306	348	200	95	0	200	0	1,487	200	404	2,245	200	610	25,840	7,415	0.29
30S/26E-08M01	25,313	6,040	342	160	74	0	160	0	1,462	160	318	2,067	160	449	29,184	6,882	0.24
30S/26E-17Q01	16,502	4,841	241	200	66	0	200	0	1,425	200	387	1,973	200	536	20,141	5,831	0.29
30S/26E-18B01	27,329	7,012	336	200	91	0	200	0	2,014	200	547	2,682	200	729	32,361	8,380	0.26
30S/26E-18D01	21,026	6,375	282	220	84	0	220	0	735	220	220	1,649	220	493	23,692	7,172	0.30
30S/26R-19G01	15,523	4,558	0	230	0	0	230	0	1,575	230	492	2,085	230	652	19,183	5,702	0.30
30S/26E-19M01	21,829	5,486	206	180	50	0	180	0	1,260	180	308	1,664	180	407	24,959	6,252	0.25
30S/26E-20C01	21,165	5,973	295	190	76	0	190	0	1,693	190	437	1,920	190	496	25,073	6,982	0.28
30S/26E-20L01	26,018	6,052	239	210	68	0	210	0	1,542	210	440	2,017	210	576	29,816	7,136	0.24
30S/26E-20N02	22,267	4,867	184	200	50	0	200	0	1,111	200	302	1,609	200	437	25,171	5,656	0.22
TOTAL	**1,575,131**	**600,303**	**40,221**		**16,263**	**0**		**0**	**109,077**		**41,076**	**158,803**		**60,855**	**1,883,232**	**718,497**	**0.38**
															TDS (tons/af) of recharged water		0.22
															ratio of salt removed/salt loaded		1.8

Kern Fan Monitoring Committee
Pioneer Property Project
Recovery Summary and Solids Content

Table 2A-4

			Water Year 2018			Water Year 2019			Water Year 2020			Water Year 2021			From Jan. 2001 - Sept. 2021		
WELL	Total Volume through 2017 (AF)	Total Salt/Solid Recovered through 2017	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Through Sept. 2021 Total Volume (AF)	Through Sept. 2021 Salt/Solids Recovered (tons)	TDS (tons/af)
KCWA 6	17,284	5,050	864	220	258	371	220	111	1,596	220	477	2,231	220	667	22,346	5,717	0.26
KCWA 11	16,678	5,621	807	180	197	448	180	110	1,901	180	465	2,224	180	544	22,058	6,165	0.28
KCWA 12	8,043	2,459	654	180	160	262	180	64	1,504	180	368	1,898	180	464	12,361	2,924	0.24
KCWA 13	13,189	4,302	609	240	199	234	240	76	1,399	240	456	1,802	240	588	17,233	4,890	0.28
KCWA 14	21,216	6,632	1,000	230	313	463	230	145	2,232	230	698	2,833	230	886	27,744	7,517	0.27
KCWA 15	21,732	6,202	1,065	220	318	492	220	147	2,178	220	651	2,587	220	774	28,054	6,976	0.25
KCWA 16	22,138	7,823	1,108	250	376	492	250	167	2,187	250	743	2,769	250	941	28,694	8,763	0.31
KCWA 17	19,343	6,388	837	160	182	481	160	105	2,191	160	476	2,450	160	533	25,302	6,921	0.27
KCWA 18	22,829	6,919	1,192	210	340	302	210	86	2,432	210	694	3,186	210	909	29,941	7,828	0.26
KCWA 19	20,546	6,981	1,166	250	396	371	250	126	2,124	250	722	2,997	250	1,018	27,204	7,999	0.29
KCWA 20	20,674	5,619	1,106	200	301	280	200	76	2,250	200	612	2,948	200	801	27,258	6,421	0.24
KCWA 21	17,115	4,768	77	190	20	0	190	0	1,295	190	334	1,845	190	476	20,332	5,245	0.26
KCWA 22	17,223	3,745	101	170	23	0	170	0	1,637	170	378	2,307	170	533	21,268	4,278	0.20
KCWA 23	19,882	5,404	98	200	27	0	200	0	1,677	200	456	2,429	200	660	24,086	6,064	0.25
KCWA 24	18,700	4,193	76	160	17	0	160	0	1,536	160	334	2,163	160	470	22,475	4,664	0.21
KCWA 25	10,100	2,745	46	200	13	0	200	0	831	200	226	41	200	11	11,018	2,756	0.25
KCWA 26	15,665	2,981	86	160	19	0	160	0	1,502	160	327	2,125	160	462	19,378	3,443	0.18
KCWA 27	15,728	2,629	82	140	16	0	140	0	1,424	140	271	1,949	140	371	19,183	3,000	0.16
KCWA 28	7,049	1,437	431	170	100	0	170	0	1,074	170	248	1,429	170	330	9,983	1,767	0.18
KCWA 29	5,296	1,677	0	220	0	0	220	0	0	220	0	1,004	220	300	6,300	1,977	0.31
KCWA-32	1,029	336	0	240	0	0	240	0	0	240	0	1,062	240	346	2,091	682	0.33
KCWA-37	10	2	58	130	10	0	130	0	0	130	0	1,241	130	219	1,309	221	0.17
KCWA-R01	16,219	4,409	715	180	175	211	180	52	851	180	208	1,825	180	446	19,821	4,855	0.24
KCWA-R02	14,354	4,877	708	240	231	221	240	72	1,552	240	506	1,674	240	546	18,509	5,423	0.29
KCWA-R03	16,695	3,403	87	150	18	0	150	0	1,446	150	295	1,821	150	371	20,049	3,775	0.19
KCWA-R04	16,941	4,605	91	230	28	0	230	0	1,341	230	419	96	230	30	18,469	4,635	0.25
KCWA-R05	14,155	2,116	0	100	0	0	100	0	0	100	0	0	100	0	14,155	2,116	0.15
KCWA-R06	15,301	3,847	73	210	21	0	210	0	1,164	210	332	1,442	210	412	17,980	4,259	0.24
3B1	620	107	0		0	0		0	0		0	0		0	620	107	0.17
4B1	737	220	0		0	0		0	0		0	0		0	737	220	0.30
4E1	227	71	0		0	0		0	0		0	0		0	227	71	0.31
KCWA-R08	5,323	1,230	0	190	0	0	190	0	0	190	0	416	190	107	5,739	1,337	0.23
11D1	673	247	0		0	0		0	0		0	0		0	673	247	0.37
11P1	808	307	0		0	0		0	0		0	0		0	808	307	0.38
12D1	1,170	254	0		0	0		0	0		0	0		0	1,170	254	0.22
12N1	974	225	0		0	0		0	0		0	0		0	974	225	0.23
KCWA-R07	6,565	937	0	130	0	0	130	0	0	130	0	818	130	145	7,383	1,081	0.15
TOTAL	**442,231**	**120,771**	**13,137**		**3,757**	**4,628**		**1,337**	**39,324**		**10,697**	**53,612**		**14,362**	**552,932**	**135,133**	**0.24**
																TDS (tons/af) of recharged water	0.18
																ratio of salt removed/salt loaded	1.4

Kern Fan Monitoring Committee
Kern Delta Water District Projects
Recovery Summary and Solids Content

Table 2A-5

			Water Year 2018			Water Year 2019			Water Year 2020			Water Year 2021			From Jan. 2007 - Sept. 2021		
WELL	Total Volume through 2017 (AF)	Total Salt/Solid Recovered through 2017	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Through Sept. 2021 Total Volume (AF)	Through Sept. 2021 Salt/Solids Recovered (tons)	TDS (tons/af)
3-0-KD1W	11,823	4,249	0	220	0	0	220	0	1,068	220	319	1,784	200	485	14,675	5,053	0.34
3-2-KD2W	8,566	3,328	0	310	0	0	310	0	984	310	415	1,426	350	678	10,976	4,420	0.40
3-0-KB1W	10,308	3,775	0	200	0	0	200	0	1,259	200	342	2,111	190	545	13,678	4,663	0.34
3-0-KB3W	8,890	3,504	0	260	0	0	260	0	682	260	241	1,291	230	404	10,863	4,148	0.38
3-0-KB4W	9,138	4,028	0	220	0	0	220	0	1,256	220	376	2,079	210	593	12,473	4,997	0.40
3-0-KB6W	13,212	6,222	0	210	0	0	210	0	1,204	210	344	2,273	210	649	16,689	7,214	0.43
4-0-FR3W	5,600	1,979	0	190	0	0	190	0	854	190	221	1,220	150	249	7,674	2,448	0.32
4-0-FR2W	2,563	1,076	0	140	0	0	140	0	368	140	70	1,270	140	242	4,201	1,388	0.33
3-0-KI7W	9,305	2,661	0	220	0	0	220	0	1,222	220	365	2,442	190	631	12,969	3,657	0.28
3-0-KI8W	8,275	2,462	0	240	0	0	240	0	1,570	240	512	2,326	230	727	12,171	3,701	0.30
3-0-AE1W	13,766	4,186	0	210	0	0	210	0	0	210	0	0	210	0	13,766	4,186	0.30
5-0-AE1W	0	0	416	130	73	0	130	0	348	130	61	180	130	32	944	167	0.18
7-0-AE2W	11,506	4,132	399	100	54	0	100	0	236	100	32	2,192	160	477	14,333	4,695	0.33
3-4-AE3W	11,595	3,552	393	200	107	0	200	0	145	200	39	1,752	200	476	13,885	4,174	0.30
3-0-AE4W	13,433	4,487	426	210	122	0	210	0	1,565	210	447	2,214	210	632	17,638	5,687	0.32
6-0-BV5W	1,332	168	0	210	0	0	210	0	831	210	237	747	210	213	2,910	618	0.21
6-0-BV4W	1,269	242	0	190	0	0	190	0	412	190	106	650	190	168	2,331	516	0.22
6-0-BV3W	1,840	589	0	200	0	0	200	0	429	200	117	822	200	223	3,091	929	0.30
6-0-BV2W	1,630	463	0	230	0	0	230	0	412	230	129	788	230	246	2,830	838	0.30
TOTAL*	**144,051**	**51,103**	**1,634**		**356**	**0**		**0**	**14,845**		**4,373**	**27,567**		**7,669**	**188,097**	**63,501**	**0.34**

* = Totals reflect only wells with TDS values incorporated in salt balance calculation.
KDWD started reporting recovery data January 2007

TDS (tons/af) of recharged water	0.23
ratio of salt removed/salt loaded	1.4

Kern Fan Monitoring Committee
Improvement District No. 4 Projects
Recovery Summary and Solids Content

Table 2A-6

			Water Year 2018			Water Year 2019			Water Year 2020			Water Year 2021			From Jan. 2007 - Sept. 2021		
WELL	Total Volume through 2017 (AF)	Total Salt/Solid Recovered through 2017	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Through Sept. 2021 Total Volume (AF)	Through Sept. 2021 Salt/Solids Recovered (tons)	TDS (tons/af)
ID4 01	5,609	1,143	0	116	0	0	116	0	0	116	0	1,305	116	206	6,914	1,349	0.20
ID4 03	4,604	1,114	0	133	0	0	133	0	0	133	0	772	133	140	5,376	1,253	0.23
ID4 04	15,846	3,519	0	140	0	0	140	0	1,958	140	373	2,052	140	390	19,856	4,282	0.22
ID4 05	11,815	2,830	0	160	0	0	160	0	1,395	160	303	2,027	160	441	15,237	3,575	0.23
ID4 06	11,246	2,169	0	129	0	0	129	0	1,149	129	201	1,417	129	248	13,812	2,619	0.19
ID4 07	12,026	3,105	0	170	0	0	170	0	1,398	170	323	2,131	170	492	15,555	3,921	0.25
ID4 08	7,839	1,321	0	114	0	0	114	0	0	114	0	2,694	114	417	10,533	1,738	0.17
ID4 09	8,941	1,410	0	116	0	0	116	0	0	116	0	895	116	141	9,836	1,551	0.16
ID4 10	8,351	1,759	0	131	0	0	131	0	0	131	0	1,861	131	331	10,212	2,091	0.20
ID4 11	9,265	1,662	0	132	0	0	132	0	0	132	0	2,748	132	493	12,013	2,155	0.18
ID4 12	7,685	1,890	0	114	0	0	114	0	0	114	0	2,155	114	334	9,840	2,224	0.23
TOTAL	**103,227**	**21,923**	**0**		**0**	**0**		**0**	**5,900**		**1,200**	**20,057**		**3,634**	**129,184**	**26,758**	**0.21**
ID4 started reporting recovery data January 2007														TDS (tons/af) of recharged water			0.19
														ratio of salt removed/salt loaded			1.1

Kern Fan Monitoring Committee
Joint Use Recovery Project
Recovery Summary and Solids Content

Table 2A-7

			Water Year 2018			Water Year 2019			Water Year 2020			Water Year 2021			From Jan. 2007 - Sept. 2021		
WELL	Total Volume through 2017 (AF)	Total Salt/Solid Recovered through 2017	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Through Sept. 2021 Total Volume (AF)	Through Sept. 2021 Salt/Solids Recovered (tons)	TDS (tons/af)
RRB-ID4 1	16,937	3,776	402	173	95	0	173	0	2,673	173	628	2,242	173	527	22,254	5,026	0.23
RRB-ID4 2	13,654	2,969	388	160	84	0	160	0	2,509	160	546	2,821	160	613	19,372	4,212	0.22
RRB-ID4 3	11,711	2,507	346	151	71	0	151	0	2,195	151	450	2,767	151	568	17,019	3,597	0.21
RRB-ID4 4	10,714	2,350	261	164	58	0	164	0	2,243	164	500	2,359	164	526	15,577	3,434	0.22
RRB-ID4 5	7,322	1,470	190	150	39	0	150	0	1,574	150	321	1,801	150	367	10,887	2,197	0.20
RRB-ID4 6	11,060	2,329	291	141	56	0	141	0	2,113	141	405	2,262	141	433	15,726	3,223	0.20
RRB-ID4 7	11,510	2,332	290	146	58	0	146	0	2,135	146	424	2,050	146	407	15,985	3,220	0.20
TOTAL	**82,908**	**17,734**	**2,168**		**460**	**0**		**0**	**15,442**		**3,274**	**16,302**		**3,442**	**116,820**	**24,909**	**0.21**
																TDS (tons/af) of recharged water	0.12
																ratio of salt removed/salt loaded	1.8

JURP started reporting recovery data January 2007

Kern Fan Monitoring Committee
Buena Vista Water Storage District Projects
Recovery Summary and Solids Content

Table 2A-8

			Water Year 2018			Water Year 2019			Water Year 2020			Water Year 2021			From Jan. 2007 - Sept. 2021		
WELL	Total Volume through 2017 (AF)	Total Salt/Solid Recovered through 2017	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Through Sept. 2021 Total Volume (AF)	Through Sept. 2021 Salt/Solids Recovered (tons)	TDS (tons/af)
WELL 1	405	347	0	630	0	0	630	0	0	630	0	0	630	0	405	347	0.86
WELL 2	1,200	874	85	530	61	84	530	61	710	530	511	628	530	452	2,707	1,960	0.72
WELL 3	275	482	0	1400	0	0	1,400	0	226	1,400	430	186	1,400	354	687	1,265	1.84
WELL 4	1,049	2,284	296	2000	805	0	2,000	0	258	2,000	701	0	2,000	0	1,603	3,790	2.36
WELL 5	2,470	3,454	0	1200	0	1	1,200	2	466	1,200	760	203	1,200	331	3,140	4,547	1.45
WELL 6	3,311	6,017	563	1100	842	66	1,100	99	897	1,100	1,341	984	1,100	1,471	5,821	9,770	1.68
WELL 7	1,427	833	0	630	0	0	630	0	275	630	235	824	630	706	2,526	1,774	0.70
WELL 8	294	90	0	226	0	0	226	0	0	226	0	293	226	90	587	180	0.31
TOTAL*	**10,431**	**14,382**	**944**		**1,707**	**151**		**161**	**2,832**		**3,979**	**3,118**		**3,404**	**17,476**	**23,633**	**1.35**
														TDS (tons/af) of recharged water			0.19
														ratio of salt removed/salt loaded			7.0

* = Totals reflect only District wells. Private wells are used but not included in these totals
BVWSD started reporting recovery data January 2007

Kern Fan Monitoring Committee
Rosedale-Rio Bravo Projects (not including JURP)
Recovery Summary and Solids Content

Table 2A-9

WELL	Total Volume through 2017 (AF)	Total Salt/Solid Recovered through 2017	Water Year 2018			Water Year 2019			Water Year 2020			Water Year 2021			From Jan. 2007 - Sept. 2021		
			Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Through Sept. 2021 Total Volume (AF)	Through Sept. 2021 Salt/Solids Recovered (tons)	TDS (tons/af)
Enns-01	6,445	2,102	468	310	197	0	310	0	1,710	310	720	1,411	310	594	10,034	3,614	0.36
Enns-02	8,975	2,410	381	210	109	0	210	0	1,369	210	391	2,120	210	605	12,845	3,515	0.27
Enns-03	6,337	4,392	4	510	3	0	510	0	1,347	510	934	1,355	510	939	9,043	6,268	0.69
WB-01	209	88	437	240	143	0	240	0	1,409	240	460	2,576	240	840	4,630	1,530	0.33
WB-02	232	104	518	360	253	0	360	0	1,200	360	587	2,551	360	1,248	4,501	2,193	0.49
WB-03	186	78	423	250	144	0	250	0	1,291	250	439	2,520	250	856	4,420	1,517	0.34
SREX-01	9,655	4,119	376	330	169	0	330	0	731	330	328	2,061	330	925	12,824	5,540	0.43
SREX-02	11,645	6,277	530	340	245	0	340	0	1,484	340	686	3,088	340	1,427	16,746	8,635	0.52
SREX-03	8,433	4,216	529	400	288	0	400	0	1,461	400	794	2,476	400	1,346	12,899	6,644	0.52
SREX-04	4,118	1,042	640	250	217	0	250	0	1,263	250	429	2,887	250	981	8,908	2,670	0.30
SREX-05	8,849	3,268	703	260	248	0	260	0	1,234	260	436	2,878	260	1,017	13,664	4,969	0.36
SREX-06	4,603	2,508	17	640	15	0	640	0	0	640	0	1,459	640	1,269	6,079	3,792	0.62
SREX-07	8,154	5,713	564	330	253	0	330	0	913	330	409	1,643	330	737	11,274	7,112	0.63
SWEX-01	-	-	586	220	175	0	220	0	1,590	220	476	3,497	220	1,046	5,673	1,696	0.30
SWEX-02	-	-	515	220	154	0	220	0	528	220	158	1,008	220	301	2,051	613	0.30
SWEX-03	-	-	501	270	184	0	270	0	1,412	270	518	2,383	270	874	4,295	1,576	0.37
Stockdale_East	-	-	0	240	0	0	240	0	0	240	0	0	240	0	0	0	0.00
Stockdale_West	-	-	0		0	0		0	0		0	0		0	0	0	0.00
SUP-1	-	-	0	160	0	0	160	0	181	160	39	4,642	160	1,009	4,824	1,049	0.22
SUP-2	-	-	0	130	0	0	130	0	2,737	130	484	3,528	130	623	6,265	1,107	0.18
SUP-4	-	-	0	140	0	0	140	0	2,872	140	546	3,445	140	655	6,317	1,202	0.19
SUP-5	-	-	0	160	0	0	160	0	2,865	160	623	3,802	160	827	6,667	1,450	0.22
SUP-6	-	-	0	210	0	0	210	0	2,500	210	714	3,454	210	986	5,954	1,699	0.29
M-1	-	-	0	180	0	0	180	0	2,986	180	730	3,860	180	944	6,846	1,675	0.24
SE-1			0	320	0	0	320	0	0	320	0	2,873	320	1,249	2,873	1,249	0.43
SE-2	-	-	0	210	0	0	210	0	0	210	0	3,525	210	1,006	3,525	1,006	0.29
TOTAL	**77,841**	**36,319**	**7,192**		**2,796**	**0**		**0**	**33,082**		**10,900**	**65,041**		**22,306**	**183,156**	**72,321**	**0.39**
																TDS (tons/af) of recharged water	0.16
																ratio of salt removed/salt loaded	2.4

RRBWSD started reporting recovery data January 2007

Kern Fan Monitoring Committee
West Kern Water District Projects
Recovery Summary and Solids Content

Table 2A-10

			Water Year 2018			Water Year 2019			Water Year 2020			Water Year 2021			From Jan. 2010 - Sept. 2021		
WELL	Total Volume through 2017 (AF)	Total Salt/Solid Recovered through 2017	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Through Sept. 2021 Total Volume (AF)	Through Sept. 2021 Salt/Solids Recovered (tons)	TDS (tons/af)
Well 2-01	12,892	4,670	347	260	122	60	260	21	486	206	136	117	206	33	13,901	4,983	0.36
Well 2-02	31,797	14,036	300	290	118	63	300	26	823	272	304	977	272	361	33,960	14,845	0.44
Well 6-01	21,848	8,893	483	292	192	206	280	78	1,108	296	446	463	296	186	24,108	9,795	0.41
Well 6-02	10,101	3,612	2745	236	881	2,222	240	725	2,292	192	598	2,484	192	648	19,845	6,464	0.33
Well 6-03	20,290	6,273	828	232	261	376	240	123	1,417	192	370	103	192	27	23,015	7,054	0.31
Well 6-06	10,214	3,554	1863	220	557	2,366	240	772	1,766	180	432	2,361	180	578	18,570	5,893	0.32
Well 7-01	260	91			0			0			0			0	260	91	0.35
Well 7-01R	7,567	2,511	2381	205	663	2,498	205	696	2,205	216	647	1,866	250	634	16,516	5,152	0.31
Well 7-02	9,990	3,603	2047	240	668	2,754	200	748	2,257	178	546	2,557	178	619	19,605	6,184	0.32
NW1	7,468	4,317	1184	688	1,107	872	688	816	1,505	464	949	971	470	620	12,000	7,810	0.65
NW2	8,289	4,246	904	438	538	1,320	438	786	2,330	444	1,406	1,798	430	1,051	14,642	8,027	0.55
NW3	8,537	4,621	534	468	339	1,075	468	684	428	468	272	449	370	226	11,023	6,142	0.56
NW4	8,733	5,413	1903	466	1,205	806	466	511	2,325	458	1,447	1,751	490	1,166	15,517	9,742	0.63
NW5	9,501	7,231	2108	624	1,788	899	624	762	1,397	494	938	2,022	420	1,154	15,926	11,873	0.75
TOTAL	**167,485**	**73,072**	**17,629**		**8,441**	**15,517**		**6,747**	**20,339**		**8,491**	**17,919**		**7,303**	**238,888**	**104,053**	**0.44**
																TDS (tons/af) of recharged water	0.24
																ratio of salt removed/salt loaded	1.8

WKWD started reporting recovery data January 2010

Kern Fan Monitoring Committee
All Projects - Page 1 of 2
Recovery Summary and Solids Content

Table 2A-11a

			Water Year 2018			Water Year 2019			Water Year 2020			Water Year 2021			From Jan. 2001 - Sept. 2021		
WELL	Total Volume through 2017 (AF)	Total Salt/Solid Recovered through 2017	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Through Sept. 2021 Total Volume (AF)	Through Sept. 2021 Salt/Solids Recovered (tons)	TDS (tons/af)
BK 1	13,455	2,810	767	200	208	80	200	22	838	200	228	1,616	200	439	16,756	3,708	0.22
BK 2	17,442	3,793	749	150	153	89	150	18	943	150	192	1,880	150	383	21,103	4,539	0.22
BK 3	14,250	2,200	609	160	132	75	160	16	794	160	173	75	160	16	15,803	2,537	0.16
BK 4	11,209	2,396	1,183	150	241	78	150	16	1,049	150	214	1,604	150	327	15,123	3,193	0.21
BK 5	19,063	2,975	1,186	180	290	98	180	24	1,052	180	257	2,202	180	539	23,601	4,085	0.17
BK 6	16,789	3,423	926	170	214	83	170	19	886	170	205	1,641	170	379	20,325	4,240	0.21
BK 7	17,400	5,439	915	250	311	98	250	33	614	250	209	1,232	250	419	20,259	6,410	0.32
BK 8	13,724	4,938	870	220	260	89	220	27	589	220	176	2,126	220	636	17,398	6,036	0.35
BK 9	11,376	3,138	80	160	17	0	160	0	592	160	129	1,783	160	388	13,831	3,672	0.27
BK 10	11,665	3,231	83	220	25	0	220	0	693	220	207	1,901	220	568	14,342	4,031	0.28
BK 11	11,864	3,547	80	220	24	0	220	0	629	220	188	1,370	220	410	13,943	4,169	0.30
BK 12	12,161	5,025	79	190	20	0	190	0	0	190	0	1,933	190	499	14,173	5,545	0.39
BM 1	15,225	2,402	713	130	126	57	130	10	0	130	0	1,121	130	198	17,116	2,736	0.16
BM 3	11,638	1,725	595	140	113	39	140	7	0	140	0	943	140	179	13,215	2,025	0.15
KCWA 1	16,903	4,365	1,123	270	412	304	270	112	2,352	270	863	2,675	270	982	23,357	6,733	0.29
KCWA 2	12,612	3,428	1,027	170	237	281	170	65	2,052	170	474	1,707	170	394	17,679	4,599	0.26
KCWA 3	14,284	5,047	516	250	175	193	250	66	1,246	250	423	1,819	250	618	18,058	6,330	0.35
KCWA 4	17,022	4,627	523	200	142	54	200	15	1,745	200	474	2,178	200	592	21,522	5,850	0.27
KCWA 5	11,717	3,185	1,006	180	246	272	180	67	2,001	180	490	2,832	180	693	17,828	4,680	0.26
KCWA 7	15,989	4,666	776	150	158	7	150	1	1,884	150	384	1,472	150	300	20,128	5,510	0.27
KCWA 8	17,950	6,343	956	170	221	264	170	61	2,107	170	487	2,587	170	598	23,864	7,709	0.32
KCWA 9	14,668	5,279	733	160	159	217	160	47	1,667	160	362	1,892	160	411	19,177	6,259	0.33
KCWA 10	15,885	4,102	798	220	239	226	220	68	1,584	220	474	1,674	220	501	20,167	5,382	0.27
Olcese 1	5,353	1,528	0	210	0	0	210	0	0	210	0	0	210	0	5,353	1,528	0.29
Olcese 2	5,929	1,370	0	170	0	0	170	0	0	170	0	0	170	0	5,929	1,370	0.23
Olcese 3	16,112	4,379	0	200	0	0	200	0	0	200	0	0	200	0	16,112	4,379	0.27
Olcese 4	17,314	4,706	0	200	0	0	200	0	0	200	0	0	200	0	17,314	4,706	0.27
Olcese 5	20,764	6,208	0	220	0	0	220	0	0	220	0	0	220	0	20,764	6,208	0.30
Olcese 6	20,143	5,475	0	200	0	0	200	0	0	200	0	0	200	0	20,143	5,475	0.27
Olcese 7	18,806	5,367	0	210	0	0	210	0	0	210	0	0	210	0	18,806	5,367	0.29
Olcese 8	17,231	3,747	0	160	0	0	160	0	0	160	0	0	160	0	17,231	3,747	0.22
30S/24E-12H01	8,276	4,276	246	400	134	0	400	0	1,050	400	571	1,488	400	809	11,060	5,789	0.52
30S/24E-12R01	9,036	5,038	269	410	150	0	410	0	1,067	410	595	1,498	410	835	11,870	6,617	0.56
30S/24E-13B01	-	-	0	590	0	0	590	0	0	590	0	2,002	590	1,605	2,002	1,605	0.80
30S/24E-13C01	5,516	4,090	175	520	124	0	520	0	481	520	340	0	520	0	6,172	4,553	0.74
30S/24E-13H01	10,976	8,551	350	540	257	0	540	0	1,392	540	1,022	1,948	540	1,430	14,666	11,259	0.77
30S/24E-24A01	7,858	7,129	565	590	453	0	590	0	1,297	590	1,040	1,643	590	1,317	11,363	9,939	0.87
30S/25E-01Q01	23,057	9,181	411	280	156	0	280	0	1,191	280	453	1,603	280	610	26,262	10,400	0.40
30S/25E-03L01	6,391	2,474	129	270	47	0	270	0	429	270	157	0	270	0	6,949	2,679	0.39
30S/25E-03Q01	22,236	9,490	304	270	112	0	270	0	919	270	337	1,977	270	725	25,436	10,664	0.42
30S/25E-03Q02	22,649	4,599	287	250	98	0	250	0	1,338	250	455	1,592	250	541	25,866	5,692	0.22
30S/25E-03R01	20,263	3,719	371	250	126	0	250	0	220	250	75	2,104	250	715	22,958	4,635	0.20
30S/25E-04L01/02	13,999	4,399	0	260	0	0	260	0	1,755	260	620	2,021	260	714	17,775	5,733	0.32
30S/25E-05K01	18,027	5,101	568	220	170	0	220	0	1,452	220	434	1,421	220	425	21,468	6,130	0.29
30S/25E-06K01	25,691	4,871	530	220	158	0	220	0	1,020	220	305	1,338	220	400	28,579	5,734	0.20
30S/25E-07G01	35,933	10,828	1,061	310	447	0	310	0	2,699	310	1,137	3,237	310	1,364	42,930	13,776	0.32
30S/25E-07P01	11,986	5,713	200	360	98	0	360	0	891	360	436	1,136	360	556	14,213	6,803	0.48
30S/25E-07R01	13,757	5,610	282	320	123	0	320	0	1,132	320	492	1,322	320	575	16,493	6,800	0.41
30S/25E-08F01	19,640	4,902	631	190	163	0	190	0	1,415	190	365	1,425	190	368	23,111	5,798	0.25
30S/25E-08J01/02	19,375	7,106	714	260	252	0	260	0	1,639	260	579	1,562	320	679	23,290	8,617	0.37
30S/25E-08P01/02	14,166	6,100	190	330	85	0	330	0	609	330	273	2,282	330	1,023	17,247	7,482	0.43
30S/25E-09A01	17,205	6,295	251	280	96	0	280	0	988	280	376	1,594	280	607	20,038	7,373	0.37
30S/25E-09J01/02	7,308	2,718	246	270	90	0	270	0	60	270	22	1,007	270	370	8,621	3,200	0.37
30S/25E-09L01	8,517	3,056	0		0	0		0	0		0	0		0	8,517	3,056	0.36
30S/25E-09L02	3,264	1,109	432	250	147	0	250	0	1,036	250	352	762	250	259	5,494	1,867	0.34
30S/25E-10K01	18,434	6,801	338	260	119	0	260	0	1,242	260	439	1,422	260	502	21,436	7,861	0.37
30S/25E-11A01	15,341	4,364	213	230	67	0	230	0	730	230	228	1,158	230	362	17,442	5,021	0.29
30S/25E-11C01	1,179	849	0		0	0		0	0		0	0		0	1,179	849	0.72
30S/25E-11C02	16,985	9,992	557	310	235	0	310	0	1,918	310	808	2,602	310	1,096	22,062	12,131	0.55
30S/25E-11E01	16,494	5,574	0	320	0	0	320	0	1,176	320	511	1,771	320	770	19,441	6,856	0.35
30S/25E-11L01	8,952	2,523	370	240	121	0	240	0	1,454	240	474	2,467	240	805	13,243	3,922	0.30
30S/25E-11L02	3,157	1,588	0		0	0		0	0		0	0		0	3,157	1,588	0.50
30S/25E-11N01	13,836	5,241	146	280	56	0	280	0	639	280	243	829	280	315	15,450	5,856	0.38
30S/25E-11Q01	16,727	5,343	322	310	136	0	310	0	1,298	310	547	1,743	310	734	20,090	6,760	0.34
30S/25E-11R01	-	-	425	180	104	0	180	0	1,385	180	339	2,069	180	506	3,879	949	0.00
30S/25E-12C01	12,080	7,370	441	230	138	0	230	0	1,128	230	353	853	230	267	14,502	8,127	0.56
30S/25E-13B01	-	-	276	250	94	0	250	0	1,628	250	553	2,462	250	837	4,366	1,483	0.34
30S/25E-13F01	11,120	3,158	167	300	68	0	300	0	749	300	305	1,113	300	454	13,149	3,985	0.30
30S/25E-13J01	10,487	1,991	123	160	27	0	160	0	331	160	72	690	160	150	11,631	2,240	0.19
30S/25E-13L01	11,084	3,014	214	200	58	0	200	0	968	200	263	920	200	250	13,186	3,586	0.27
30S/25E-14E01	23,914	8,935	403	260	142	0	260	0	955	260	337	1,988	260	702	27,260	10,117	0.37
30S/25E-14J01	22,819	8,386	300	250	102	0	250	0	1,415	250	481	1,636	250	556	26,170	9,525	0.36
30S/25E-14K01	16,551	2,869	185	260	65	0	260	0	459	260	162	1,320	260	466	18,515	3,563	0.19
30S/25E-14N01	10,731	2,754	145	250	49	0	250	0	1,034	250	351	1,408	250	478	13,318	3,633	0.27
30S/25E-14R01	16,079	7,862	342	240	112	0	240	0	1,185	240	387	1,569	240	512	19,175	8,872	0.46
30S/25E-15B01/02	8,765	2,602	0	220	0	0	220	0	1,489	220	445	1,328	220	397	11,582	3,444	0.30
30S/25E-15C01/02	10,293	3,445	32	180	8	0	180	0	0	180	0	1,069	180	262	11,394	3,714	0.33
30S/25E-15L01	2,686	657	296	240	97	0	240	0	716	240	234	1,157	240	377	4,855	1,365	0.28
30S/25E-15N01	9,396	3,180	158	260	56	0	260	0	561	260	198	801	260	283	10,916	3,717	0.34
30S/25E-15Q01	10,945	3,416	483	190	125	0	190	0	1,536	190	397	1,533	190	396	14,497	4,333	0.30
30S/25E-15R01	12,224	3,956	262	270	96	0	270	0	814	270	299	441	270	162	13,741	4,513	0.33
30S/25E-16B01	16,293	5,201	673	240	220	0	240	0	1,555	240	507	1,245	240	406	19,766	6,333	0.32
30S/25E-16D01	16,353	4,492	703	160	153	0	160	0	1,588	160	345	1,922	160	418	20,566	5,408	0.26
30S/25E-16F01	15,501	5,214	621	230	194	0	230	0	1,339	230	419	1,332	230	416	18,793	6,243	0.33
30S/25E-16J01	11,444	3,836	137	240	45	0	240	0	668	240	218	845	240	276	13,094	4,374	0.33
30S/25E-16M01	21,728	6,618	0	290	0	0	290	0	2,106	290	830	3,216	290	1,268	27,050	8,716	0.32
30S/25E-16P01	22,620	8,219	531	250	180	0	250	0	1,839	250	625	2,697	250	916	27,687	9,941	0.36
30S/25E-16R01	1,661	406	0		0	0		0			0	0		0	1,661	406	0.24
30S/25E-17F01	20,856	7,702	1,180	270	433	0	270	0	1,495	270	549	1,943	270	713	25,474	9,397	0.37
30S/25E-17H01	40,606	13,772	2,020	260	714	0	260	0	2,134	260	754	3,405	260	1,203	48,165	16,443	0.34
30S/25E-17J01	45,542	14,730	2,060	260	728	0	260	0	1,448	260	512	2,519	260	890	51,569	16,859	0.33
30S/25E-17M01	33,233	16,604	1,764	330	791	0	330	0	1,070	330	480	2,530	330	1,135	38,597	19,009	0.49
30S/25E-17P01	35,597	18,612	2,173	260	768	0	260	0	2,540	260	898	3,343	260	1,181	43,653	21,459	0.49
30S/25E-18A01	5,601	2,238	0	250	0	0	250	0	0	250	0	0	250	0	5,601	2,238	0.40
30S/25E-18A02	7,392	3,014	1,663	310	701	0	310	0	1,960	310	826	2,462	310	1,037	13,477	5,578	0.41
30S/25E-18C01	15,941	8,079	321	410	179	0	410	0	961	410	535	1,602	410	893	18,825	9,686	0.51
30S/25E-18K01	37,961	30,566	1,997	480	1,303	0	480	0	2,468	480	1,610	3,276	480	2,137	45,702	35,616	0.78
30S/25E-18P01	22,454	17,884	377	490	251	0	490	0	1,683	490	1,121	2,239	490	1,491	26,753	20,746	0.78
30S/25E-18R01	23,786	14,048	1,414	410	788	0	410	0	1,390	410	775	2,290	410	1,276	28,880	16,887	0.58
30S/25E-20A01	32,609	10,674	569	260	201	0	260	0	2,126	260	751	3,342	260	1,181	38,646	12,807	0.33
30S/25E-20C01	26,929	17,052	296	400	161	0	400	0	849	400	462	1,654	400	899	29,728	18,573	0.62
30S/25E-20L01	28,695	18,292	2,082	470	1,330	0	470	0	2,527	470	1,614	3,798	470	2,426	37,102	23,662	0.64
30S/25E-21A02	11,063	4,689	220	260	78	0	260	0	610	260	216	1,306	260	461	13,199	5,444	0.41
30S/25E-21C01	-		0	240	0	0	240	0	0	240	0	3,205	240	1,045	3,205	1,045	0.33
30S/25E-21D01	21,669	8,040	300	220	90	0	220	0	1,487	220	445	2,197	220	657	25,653	9,232	0.36
30S/25E-21G01/02	18,706	7,411	10	260	4	0	260	0	424	260	150	0	260	0	19,140	7,564	0.40
30S/25E-23H01	12,550	9,401	173	170	40	0	170	0	668	170	154	878	170	203	14,269	9,798	0.69
30S/25E-24K01	11,660	5,592	136	170	31	0	170	0	893	170	206	978	170	226	13,667	6,056	0.44
30S/25E-36D01	3,295	1,299	0	330	0	0	330	0	0	330	0	0	330	0	3,295	1,299	0.39
30S/26E-06N01	25,196	8,858	391	250	133	0	250	0	1,392	250	473	2,175	250	739	29,154	10,203	0.35
30S/26E-06P01	24,816	8,740	414	310	174	0	310	0	1,819	310	766	2,763	310	1,164	29,812	10,845	0.36
30S/26E-07C01	18,162	5,508	268	320	117	0	320	0	1,153	320	501	1,887	320	821	21,470	6,947	0.32
30S/26E-07J01	21,308	6,157	280	210	80	0	210	0	1,236	210	353	2,071	210	591	24,895	7,181	0.29
30S/26E-07L01	23,083	6,903	0	200	0	0	200	0	1,827	200	497	2,644	200	719	27,554	8,119	0.29
30S/26E-07N01	13,575	4,243	226	240	74	0	240	0	964	240	314	1,404	240	458	16,169	5,089	0.31
30S/26E-07Q01	23,107	6,476	339	200	92	0	200	0	1,664	200	452	2,413	200	656	27,523	7,677	0.28
30S/26E-07R01	21,760	6,306	348	200	95	0	200	0	1,487	200	404	2,245	200	610	25,840	7,415	0.29
30S/26E-08M01	25,313	6,040	342	160	74	0	160	0	1,462	160	318	2,067	160	449	29,184	6,882	0.24
30S/26E-17Q01	16,502	4,841	241	200	66	0	200	0	1,425	200	387	1,973	200	536	20,141	5,831	0.29
30S/26E-18B01	27,329	7,012	336	200	91	0	200	0	2,014	200	547	2,682	200	729	32,361	8,380	0.26
30S/26E-18D01	21,026	6,375	282	220	84	0	220	0	735	220	220	1,649	220	493	23,692	7,172	0.30
30S/26R-19G01	15,523	4,558	0	230	0	0	230	0	1,575	230	492	2,085	230	652	19,183	5,702	0.30
30S/26E-19M01	21,829	5,486	206	180	50	0	180	0	1,260	180	308	1,664	180	407	24,959	6,252	0.25
30S/26E-20C01	21,165	5,973	295	190	76	0	190	0	1,693	190	437	1,920	190	496	25,073	6,982	0.28
30S/26E-20L01	26,018	6,052	239	210	68	0	210	0	1,542	210	440	2,017	210	576	29,816	7,136	0.24
30S/26E-20N02	22,267	4,867	184	200	50	0	200	0	1,111	200	302	1,609	200	437	25,171	5,656	0.22

Kern Fan Monitoring Committee
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Recovery Summary and Solids Content

Table 2A-11b

			Water Year 2018			Water Year 2019			Water Year 2020			Water Year 2021			From Jan. 2001 - Sept. 2021		
WELL	Total Volume through 2017 (AF)	Total Salt/Solid Recovered through 2017	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Volume (AF)	TDS values used (mg/L)	Salt/Solids Recovered (tons)	Through Sept. 2021 Total Volume (AF)	Through Sept. 2021 Salt/Solids Recovered (tons)	TDS (tons/af)
KCWA 6	17,284	5,050	864	220	258	371	220	111	1,596	220	477	2,231	220	667	22,346	5,717	0.26
KCWA 11	16,678	5,621	807	180	197	448	180	110	1,901	180	465	2,224	180	544	22,058	6,165	0.28
KCWA 12	8,043	2,459	654	180	160	262	180	64	1,504	180	368	1,898	180	464	12,361	2,924	0.24
KCWA 13	13,189	4,302	609	240	199	234	240	76	1,399	240	456	1,802	240	588	17,233	4,890	0.28
KCWA 14	21,216	6,632	1,000	230	313	463	230	145	2,232	230	698	2,833	230	886	27,744	7,517	0.27
KCWA 15	21,732	6,202	1,065	220	318	492	220	147	2,178	220	651	2,587	220	774	28,054	6,976	0.25
KCWA 16	22,138	7,823	1,108	250	376	492	250	167	2,187	250	743	2,769	250	941	28,694	8,763	0.31
KCWA 17	19,343	6,388	837	160	182	481	160	105	2,191	160	476	2,450	160	533	25,302	6,921	0.27
KCWA 18	22,829	6,919	1,192	210	340	302	210	86	2,432	210	694	3,186	210	909	29,941	7,828	0.26
KCWA 19	20,546	6,981	1,166	250	396	371	250	126	2,124	250	722	2,997	250	1,018	27,204	7,999	0.29
KCWA 20	20,674	5,619	1,106	200	301	280	200	76	2,250	200	612	2,948	200	801	27,258	6,421	0.24
KCWA 21	17,115	4,768	77	190	20	0	190	0	1,295	190	334	1,845	190	476	20,332	5,245	0.26
KCWA 22	17,223	3,745	101	170	23	0	170	0	1,637	170	378	2,307	170	533	21,268	4,278	0.20
KCWA 23	19,882	5,404	98	200	27	0	200	0	1,677	200	456	2,429	200	660	24,086	6,064	0.25
KCWA 24	18,700	4,193	76	160	17	0	160	0	1,536	160	334	2,163	160	470	22,475	4,664	0.21
KCWA 25	10,100	2,745	46	200	13	0	200	0	831	200	226	41	200	11	11,018	2,756	0.25
KCWA 26	15,665	2,981	86	160	19	0	160	0	1,502	160	327	2,125	160	462	19,378	3,443	0.18
KCWA 27	15,728	2,629	82	140	16	0	140	0	1,424	140	271	1,949	140	371	19,183	3,000	0.16
KCWA 28	7,049	1,437	431	170	100	0	170	0	1,074	170	248	1,429	170	330	9,983	1,767	0.18
KCWA 29	5,296	1,677	0	220	0	0	220	0	0	220	0	1,004	220	300	6,300	1,977	0.31
KCWA-32	1,029	336	0	240	0	0	240	0	0	240	0	1,062	240	346	2,091	682	0.33
KCWA-37	10	2	58	130	10	0	130	0	0	130	0	1,241	130	219	1,309	221	0.17
KCWA-R01	16,219	4,409	715	180	175	211	180	52	851	180	208	1,825	180	446	19,821	4,855	0.24
KCWA-R02	14,354	4,877	708	240	231	221	240	72	1,552	240	506	1,674	240	546	18,509	5,423	0.29
KCWA-R03	16,695	3,403	87	150	18	0	150	0	1,446	150	295	1,821	150	371	20,049	3,775	0.19
KCWA-R04	16,941	4,605	91	230	28	0	230	0	1,341	230	419	96	230	30	18,469	4,635	0.25
KCWA-R05	14,155	2,116	0	100	0	0	100	0	0	100	0	0	100	0	14,155	2,116	0.15
KCWA-R06	15,301	3,847	73	210	21	0	210	0	1,164	210	332	1,442	210	412	17,980	4,259	0.24
3B1	620	107	0		0	0		0	0		0	0		0	620	107	0.17
4B1	737	220	0		0	0		0	0		0	0		0	737	220	0.30
4E1	227	71	0		0	0		0	0		0	0		0	227	71	0.31
KCWA-R08	5,323	1,230	0	190	0	0	190	0	0	190	0	416	190	107	5,739	1,337	0.23
11D1	673	247	0		0	0		0	0		0	0		0	673	247	0.37
11P1	808	307	0		0	0		0	0		0	0		0	808	307	0.38
12D1	1,170	254	0		0	0		0	0		0	0		0	1,170	254	0.22
12N1	974	225	0		0	0		0	0		0	0		0	974	225	0.23
KCWA-R07	6,565	937	0	130	0	0	130	0	0	130	0	818	130	145	7,383	1,081	0.15
3-0-KD1W	11,823	4,249	0	220	0	0	220	0	1,068	220	319	1,784	200	485	14,675	5,053	0.34
3-2-KD2W	8,566	3,328	0	310	0	0	310	0	984	310	415	1,426	350	678	10,976	4,420	0.40
3-0-KB1W	10,308	3,775	0	200	0	0	200	0	1,259	200	342	2,111	190	545	13,678	4,663	0.34
3-0-KB3W	8,890	3,504	0	260	0	0	260	0	682	260	241	1,291	230	404	10,863	4,148	0.38
3-0-KB4W	9,138	4,028	0	220	0	0	220	0	1,256	220	376	2,079	210	593	12,473	4,997	0.40
3-0-KB6W	13,212	6,222	0	210	0	0	210	0	1,204	210	344	2,273	210	649	16,689	7,214	0.43
4-0-FR3W	5,600	1,979	0	190	0	0	190	0	854	190	221	1,220	150	249	7,674	2,448	0.32
4-0-FR2W	2,563	1,076	0	140	0	0	140	0	368	140	70	1,270	140	242	4,201	1,388	0.33
3-0-KI7W	9,305	2,661	0	220	0	0	220	0	1,222	220	365	2,442	190	631	12,969	3,657	0.28
3-0-KI8W	8,275	2,462	0	240	0	0	240	0	1,570	240	512	2,326	230	727	12,171	3,701	0.30
3-0-AE1W	13,766	4,186	0	210	0	0	210	0	0	210	0	0	210	0	13,766	4,186	0.30
5-0-AE1W	0	0	416	130	73	0	130	0	348	130	61	180	130	32	944	167	0.18
7-0-AE2W	11,506	4,132	399	100	54	0	100	0	236	100	32	2,192	160	477	14,333	4,695	0.33
3-4-AE3W	11,595	3,552	393	200	107	0	200	0	145	200	39	1,752	200	476	13,885	4,174	0.30
3-0-AE4W	13,433	4,487	426	210	122	0	210	0	1,565	210	447	2,214	210	632	17,638	5,687	0.32
6-0-BV5W	1,332	168	0	210	0	0	210	0	831	210	237	747	210	213	2,910	618	0.21
6-0-BV4W	1,269	242	0	190	0	0	190	0	412	190	106	650	190	168	2,331	516	0.22
6-0-BV3W	1,840	589	0	200	0	0	200	0	429	200	117	822	200	223	3,091	929	0.30
6-0-BV2W	1,630	463	0	230	0	0	230	0	412	230	129	788	230	246	2,830	838	0.30
ID4 01	5,609	1,143	0	116	0	0	116	0	0	116	0	1,305	116	206	6,914	1,349	0.20
ID4 03	4,604	1,114	0	133	0	0	133	0	0	133	0	772	133	140	5,376	1,253	0.23
ID4 04	15,846	3,519	0	140	0	0	140	0	1,958	140	373	2,052	140	390	19,856	4,282	0.22
ID4 05	11,815	2,830	0	160	0	0	160	0	1,395	160	303	2,027	160	441	15,237	3,575	0.23
ID4 06	11,246	2,169	0	129	0	0	129	0	1,149	129	201	1,417	129	248	13,812	2,619	0.19
ID4 07	12,026	3,105	0	170	0	0	170	0	1,398	170	323	2,131	170	492	15,555	3,921	0.25
ID4 08	7,839	1,321	0	114	0	0	114	0	0	114	0	2,694	114	417	10,533	1,738	0.17
ID4 09	8,941	1,410	0	116	0	0	116	0	0	116	0	895	116	141	9,836	1,551	0.16
ID4 10	8,351	1,759	0	131	0	0	131	0	0	131	0	1,861	131	331	10,212	2,091	0.20
ID4 11	9,265	1,662	0	132	0	0	132	0	0	132	0	2,748	132	493	12,013	2,155	0.18
ID4 12	7,685	1,890	0	114	0	0	114	0	0	114	0	2,155	114	334	9,840	2,224	0.23
RRB-ID4 1	16,937	3,776	402	173	95	0	173	0	2,673	173	628	2,242	173	527	22,254	5,026	0.23
RRB-ID4 2	13,654	2,969	388	160	84	0	160	0	2,509	160	546	2,821	160	613	19,372	4,212	0.22
RRB-ID4 3	11,711	2,507	346	151	71	0	151	0	2,195	151	450	2,767	151	568	17,019	3,597	0.21
RRB-ID4 4	10,714	2,350	261	164	58	0	164	0	2,243	164	500	2,359	164	526	15,577	3,434	0.22
RRB-ID4 5	7,322	1,470	190	150	39	0	150	0	1,574	150	321	1,801	150	367	10,887	2,197	0.20
RRB-ID4 6	11,060	2,329	291	141	56	0	141	0	2,113	141	405	2,262	141	433	15,726	3,223	0.20
RRB-ID4 7	11,510	2,332	290	146	58	0	146	0	2,135	146	424	2,050	146	407	15,985	3,220	0.20
WELL 1	405	347	0	630	0	0	630	0	0	630	0	0	630	0	405	347	0.86
WELL 2	1,200	874	85	530	61	84	530	61	710	530	511	628	530	452	2,707	1,960	0.72
WELL 3	275	482	0	1400	0	0	1,400	0	226	1,400	430	186	1,400	354	687	1,265	1.84
WELL 4	1,049	2,284	296	2000	805	0	2,000	0	258	2,000	701	0	2,000	0	1,603	3,790	2.36
WELL 5	2,470	3,454	0	1200	0	1	1,200	2	466	1,200	760	203	1,200	331	3,140	4,547	1.45
WELL 6	3,311	6,017	563	1100	842	66	1,100	99	897	1,100	1,341	984	1,100	1,471	5,821	9,770	1.68
WELL 7	1,427	833	0	630	0	0	630	0	275	630	235	824	630	706	2,526	1,774	0.70
WELL 8	294	90	0	226	0	0	226	0	0	226	0	293	226	90	587	180	0.31
Enns-01	6,445	2,102	468	310	197	0	310	0	1,710	310	720	1,411	310	594	10,034	3,614	0.36
Enns-02	8,975	2,410	381	210	109	0	210	0	1,369	210	391	2,120	210	605	12,845	3,515	0.27
Enns-03	6,337	4,392	4	510	3	0	510	0	1,347	510	934	1,355	510	939	9,043	6,268	0.69
WB-01	209	88	437	240	143	0	240	0	1,409	240	460	2,576	240	840	4,630	1,530	0.33
WB-02	232	104	518	360	253	0	360	0	1,200	360	587	2,551	360	1,248	4,501	2,193	0.49
WB-03	186	78	423	250	144	0	250	0	1,291	250	439	2,520	250	856	4,420	1,517	0.34
SREX-01	9,655	4,119	376	330	169	0	330	0	731	330	328	2,061	330	925	12,824	5,540	0.43
SREX-02	11,645	6,277	530	340	245	0	340	0	1,484	340	686	3,088	340	1,427	16,746	8,635	0.52
SREX-03	8,433	4,216	529	400	288	0	400	0	1,461	400	794	2,476	400	1,346	12,899	6,644	0.52
SREX-04	4,118	1,042	640	250	217	0	250	0	1,263	250	429	2,887	250	981	8,908	2,670	0.30
SREX-05	8,849	3,268	703	260	248	0	260	0	1,234	260	436	2,878	260	1,017	13,664	4,969	0.36
SREX-06	4,603	2,508	17	640	15	0	640	0	0	640	0	1,459	640	1,269	6,079	3,792	0.62
SREX-07	8,154	5,713	564	330	253	0	330	0	913	330	409	1,643	330	737	11,274	7,112	0.63
SWEX-01	-	-	586	220	175	0	220	0	1,590	220	476	3,497	220	1,046	5,673	1,696	0.30
SWEX-02	-	-	515	220	154	0	220	0	528	220	158	1,008	220	301	2,051	613	0.30
SWEX-03	-	-	501	270	184	0	270	0	1,412	270	518	2,383	270	874	4,295	1,576	0.37
Stockdale_East	-	-	0	240	0	0	240	0	0	240	0	0	240	0	0	0	0.00
Stockdale_West	-	-	0		0	0		0	0		0	0		0	0	0	0.00
SUP-1	-	-	0	160	0	0	160	0	181	160	39	4,642	160	1,009	4,824	1,049	0.22
SUP-2	-	-	0	130	0	0	130	0	2,737	130	484	3,528	130	623	6,265	1,107	0.18
SUP-4	-	-	0	140	0	0	140	0	2,872	140	546	3,445	140	655	6,317	1,202	0.19
SUP-5	-	-	0	160	0	0	160	0	2,865	160	623	3,802	160	827	6,667	1,450	0.22
SUP-6	-	-	0	210	0	0	210	0	2,500	210	714	3,454	210	986	5,954	1,699	0.29
M-1	-	-	0	180	0	0	180	0	2,986	180	730	3,860	180	944	6,846	1,675	0.24
SE-1			0	320	0	0	320	0	0	320	0	2,873	320	1,249	2,873	1,249	0.43
SE-2	-	-	0	210	0	0	210	0	0	210	0	3,525	210	1,006	3,525	1,006	0.29
Well 2-01	12,892	4,670	347	260	123	60	260	21	486	206	136	117	206	33	13,902	4,983	0.36
Well 2-02	31,797	14,036	300	290	118	63	300	26	823	272	304	977	272	361	33,960	14,845	0.44
Well 6-01	21,848	8,893	483	292	192	206	280	78	1,108	296	446	463	296	186	24,108	9,795	0.41
Well 6-02	10,101	3,612	2,745	236	880	2,222	240	725	2,292	192	598	2,484	192	648	19,844	6,463	0.33
Well 6-03	20,290	6,273	828	232	261	376	240	123	1,417	192	370	103	192	27	23,014	7,054	0.31
Well 6-06	10,214	3,554	1,863	220	557	2,366	240	772	1,766	180	432	2,361	180	578	18,570	5,893	0.32
Well 7-01	260	91	0		0	0		0	0		0	0		0	260	91	0.35
Well 7-01R	7,567	2,511	2,381	205	663	2,498	205	696	2,205	216	647	1,866	250	634	16,517	5,152	0.31
Well 7-02	9,990	3,603	2,047	240	668	2,754	200	749	2,257	178	546	2,557	178	619	19,605	6,184	0.32
NW1	7,468	4,317	1,184	688	1,107	872	688	815	1,505	464	949	971	470	620	12,000	7,809	0.65
NW2	8,289	4,246	904	438	538	1,320	438	786	2,330	444	1,406	1,798	430	1,051	14,641	8,027	0.55
NW3	8,537	4,621	534	468	340	1,075	468	684	428	468	272	449	370	226	11,023	6,142	0.56
NW4	8,733	5,413	1,903	466	1,205	806	466	510	2,325	458	1,447	1,751	490	1,166	15,518	9,742	0.63
NW5	9,501	7,231	2,108	624	1,788	899	624	762	1,397	494	938	2,022	420	1,154	15,927	11,873	0.75
TOTAL*	**3,059,247**	**1,056,469**	**99,216**		**37,905**	**22,900**		**8,937**	**266,158**		**90,600**	**402,682**		**133,443**	**3,850,204**	**1,311,564**	0.34
															TDS (tons/af) of recharged water		0.20
															ratio of salt removed/salt loaded		1.7

* = Totals reflect only wells with TDS values. BVWSD totals only include District wells.

Table 2B-1995

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

1995

PROJECT/SOURCE	GROSS RECHARGE (AF)	October W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA																																						
SWP										3,008	417	1,705	3,774	219	1,123	1,255	263	449	-	274	-	-	144	-	-	152	-	-	158	-	-	178	-	-	165	-	**8,037**	**3,277**
FK										-	43	-	734	43	43	1,150	43	67	2,327	43	136	1,787	43	104	2,214	43	129	1,984	43	116	2,341	43	137	3,616	43	211	**16,153**	**944**
KR										-		-	-		-	-	104	-	-	78	-	523	87	62	1,036	62	87	581	43	34	319	38	16	-	61	-	**2,459**	**200**
TOTALS										**3,008**		**1,705**	**4,508**		**1,166**	**2,405**		**516**	**2,327**		**136**	**2,310**		**166**	**3,250**		**217**	**2,565**		**150**	**2,660**		**153**	**3,616**		**211**	**26,649**	**4,420**
2800 ACRES																																						
SWP										7,432	417	4,212	14,181	219	4,221	6,303	263	2,253	-	274	-	-	144	-	-	152	-	-	158	-	-	178	-	2,988	165	670	**30,904**	**11,356**
FK										-	43	-	2,100	43	123	175	43	10	264	43	15	7,658	43	448	7,804	43	456	1,079	43	63	4,558	43	266	5,930	43	347	**29,568**	**1,728**
KR										-		-	-		-	-	104	-	-	78	-	4,543	87	537	7,267	62	612	8,118	43	474	8,090	38	418	2,890	61	240	**30,908**	**2,281**
TOTALS										**7,432**		**4,212**	**16,281**		**4,344**	**6,478**		**2,263**	**264**		**15**	**12,201**		**985**	**15,071**		**1,068**	**9,197**		**537**	**12,648**		**684**	**11,808**		**1,256**	**91,380**	**15,365**
KERN WATER BANK																																						
SWP										-	417	-	-	219	-	-	263	-	-	274	-	-	144	-	988	152	204	-	158	-	708	178	171	2,421	165	543	**4,117**	**918**
FK										-	43	-	-	43	-	43	43	3	-	43	-	8,659	43	506	10,933	43	639	577	43	34	3,557	43	208	9,527	43	557	**33,296**	**1,946**
KR										-		-	-		-	-	104	-	714	78	76	1,461	87	173	12,254	62	1,033	32,945	43	1,925	35,816	38	1,850	19,386	61	1,607	**102,576**	**6,663**
TOTALS										**0**		**0**	**0**		**0**	**43**		**3**	**714**		**76**	**10,120**		**679**	**24,175**		**1,876**	**33,522**		**1,959**	**40,081**		**2,229**	**31,334**		**2,707**	**139,989**	**9,527**
PIONEER PROPERTY																																						
SWP										-	417	-	-	219	-	-	263	-	-	274	-	-	144	-	-	152	-	-	158	-	-	178	-	20	165	4	**20**	**4**
FK										-	43	-	-	43	-	2,253	43	132	6,551	43	383	6,442	43	376	4,966	43	290	3,669	43	214	2,780	43	162	4,052	43	237	**30,713**	**1,795**
KR										-		-	-		-	-	104	-	1,067	78	113	4,586	87	542	6,514	62	549	5,785	43	338	8,782	38	454	4,807	61	399	**31,541**	**2,394**
TOTALS										**0**		**0**	**0**		**0**	**2,253**		**132**	**7,618**		**496**	**11,028**		**919**	**11,480**		**839**	**9,454**		**552**	**11,562**		**616**	**8,879**		**640**	**62,274**	**4,194**
KERN RIVER CHANNEL																																						
SWP										-	417	-	-	219	-	-	263	-	-	274	-	-	144	-	-	152	-	-	158	-	-	178	-	-	165	-	**0**	**0**
FK										-	43	-	-	43	-	226	43	13	-	43	-	589	43	34	889	43	52	-	43	-	-	43	-	324	43	19	**2,028**	**119**
KR										-		-	-		-	-	104	-	-	78	-	-	87	-	88	62	7	803	43	47	-	38	-	-	61	-	**891**	**54**
TOTALS										**0**		**0**	**0**		**0**	**226**		**13**	**0**		**0**	**589**		**34**	**977**		**59**	**803**		**47**	**0**		**0**	**324**		**19**	**2,919**	**173**	**AVG TDS**
																																				323,211	**33,679**	**77 MG/L**

Water Quality Data Sources: SWP - Table 32 of State Water Project Operations Data published monthly by State of California.

FK - 43 mg/l represents average of 10 samples collected by KCWA between Nov 94 and Feb 02 (range 19 mg/l to 112 mg/l).

KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

Table 2B-1996

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

WATER YEAR: **1996**

	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
PROJECT/SOURCE	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	SALT LOAD (TONS)
BERRENDA MESA																																					
SWP	73	141	14	778	160	169	2,549	270	935	111	284	43	184	251	63	-	236	-	-	211	-	-	265	-	-	260	-	-	214	-	-	197	-	-	146	-	**3,695**	**1,224**
FK	-	43	-	2,699	43	158	65	43	4	107	43	6	135	43	8	636	43	37	3,156	43	184	2,098	43	123	293	43	17	-	43	-	-	43	-	-	43	-	**9,189**	**537**
KR	1,626	61	135	47	73	5	-	117	-	-	95	-	-	92	-	-	102	-	-	92	-	-	80	-	-	50	-	-	50	-	-	60	-	-	77	-	**1,673**	**139**
TOTALS	**1,699**		**149**	**3,524**		**332**	**2,614**		**939**	**218**		**49**	**319**		**71**	**636**		**37**	**3,156**		**184**	**2,098**		**123**	**293**		**17**	**0**		**0**	**0**		**0**	**0**		**0**	**14,557**	**1,901**
2800 ACRES																																					
SWP	6,452	141	1,236	4,971	160	1,081	5,960	270	2,187	1,307	284	504	2,860	251	976	46	236	15	-	211	-	-	265	-	-	260	-	-	214	-	-	197	-	-	146	-	**21,596**	**5,999**
FK	377	43	22	75	43	4	-	43	-	-	43	-	644	43	38	3,289	43	192	11,428	43	668	664	43	39	-	43	-	-	43	-	-	43	-	-	43	-	**16,477**	**963**
KR	-	61	-	-	73	-	-	117	-	-	95	-	601	92	75	1,301	102	180	98	92	12	-	80	-	2,614	50	178	2,541	50	173	105	60	9	-	77	-	**7,260**	**627**
TOTALS	**6,829**		**1,258**	**5,046**		**1,085**	**5,960**		**2,187**	**1,307**		**504**	**4,105**		**1,088**	**4,636**		**387**	**11,526**		**680**	**664**		**39**	**2,614**		**178**	**2,541**		**173**	**105**		**9**	**0**		**0**	**45,333**	**7,589**
KERN WATER BANK																																					
SWP	15,481	141	2,967	26,844	160	5,837	23,887	270	8,765	11,587	284	4,472	10,740	251	3,664	6,497	236	2,084	1,409	211	404	2,103	265	757	255	260	90	2,015	214	586	11,456	197	3,067	10,695	146	2,122	**122,969**	**34,816**
FK	10,351	43	605	2,668	43	156	720	43	42	32	43	2	2,677	43	156	8,585	43	502	27,123	43	1,585	9,437	43	551	2,039	43	119	-	43	-	-	43	-	-	43	-	**63,632**	**3,719**
KR	2,320	61	192	-	73	-	-	117	-	-	95	-	-	92	-	-	102	-	-	92	-	12,259	80	1,333	10,369	50	705	2,282	50	155	-	60	-	-	77	-	**27,230**	**2,385**
TOTALS	**28,152**		**3,764**	**29,512**		**5,993**	**24,607**		**8,807**	**11,619**		**4,474**	**13,417**		**3,820**	**15,082**		**2,586**	**28,532**		**1,989**	**23,799**		**2,642**	**12,663**		**914**	**4,297**		**741**	**11,456**		**3,067**	**10,695**		**2,122**	**213,831**	**40,920**
PIONEER PROPERTY																																					
SWP	5,208	141	998	3,342	160	727	1,607	270	590	903	284	349	1,803	251	615	355	236	114	-	211	-	-	265	-	-	260	-	-	214	-	447	197	120	-	146	-	**13,665**	**3,512**
FK	254	43	15	3,164	43	185	1,548	43	90	466	43	27	2,703	43	158	4,334	43	253	7,070	43	413	3,904	43	228	838	43	49	-	43	-	-	43	-	-	43	-	**24,281**	**1,419**
KR	2,027	61	168	89	73	9	-	117	-	-	95	-	-	92	-	-	102	-	-	92	-	3,048	80	331	3,258	50	221	2,403	50	163	1,409	60	115	1,150	77	120	**13,384**	**1,128**
TOTALS	**7,489**		**1,181**	**6,595**		**920**	**3,155**		**680**	**1,369**		**376**	**4,506**		**773**	**4,689**		**367**	**7,070**		**413**	**6,952**		**560**	**4,096**		**270**	**2,403**		**163**	**1,856**		**235**	**1,150**		**120**	**51,330**	**6,059**
KERN RIVER CHANNEL																																					
SWP	-	141	-	-	160	-	-	270	-	-	284	-	254	251	87	-	236	-	-	211	-	-	265	-	22	260	8	-	214	-	-	197	-	-	146	-	**276**	**94**
FK	-	43	-	121	43	7	218	43	13	165	43	10	252	43	15	2,389	43	140	4,173	43	244	1,920	43	112	-	43	-	-	43	-	-	43	-	-	43	-	**9,238**	**540**
KR	-	61	-	-	73	-	-	117	-	-	95	-	-	92	-	-	102	-	649	92	81	2,097	80	228	457	50	31	884	50	60	-	60	-	-	77	-	**4,087**	**400**
TOTALS	**0**		**0**	**121**		**7**	**218**		**13**	**165**		**10**	**506**		**101**	**2,389**		**140**	**4,822**		**325**	**4,017**		**340**	**479**		**39**	**884**		**60**	**0**		**0**	**0**		**0**	**13,601**	**1,035**	AVG TDS
																																				338,652	**57,502**	**125** MG/L

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - 43 mg/l represents average of 10 samples collected by KCWA between Nov 94 and Feb 02 (range 19 mg/l to 112 mg/l).
KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

Table 2B-1997

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **1997**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	JANUARY GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)	
BERRENDA MESA																																									
SWP	-	152	-	-	195	-	625	266	226	52	66	5	-	88	-	-	147	-	-	225	-	-	227	-	-	219	-	-	210	-	-	224	-	-	154	-	**677**	**231**	
FK	379	43	22	-	43	-	-	43	-	2,932	43	171	1,544	43	90	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	**4,855**	**284**	
KR	524	75	53	321	99	43	1,397	109	207	139	86	16	506	87	60	1,366	84	156	16	72	2	-	74	-	-	74	-	-	60	-	-	57	-	-	54	-	**4,269**	**537**	
TOTALS	**903**		**76**	**321**		**43**	**2,022**		**433**	**3,123**		**192**	**2,050**		**150**	**1,366**		**156**	**16**		**2**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**		**0**	**9,801**	**1,051**	
2800 ACRES																																								
SWP	-	152	-	-	195	-	4,586	266	1,658	65	66	6	-	88	-	-	147	-	-	225	-	-	227	-	-	219	-	-	210	-	-	224	-	-	154	-	**4,651**	**1,664**	
FK	603	43	35	1,109	43	65	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	**1,712**	**100**	
KR	-	75	-	2,311	99	311	3,376	109	500	875	86	102	-	87	-	-	84	-	623	72	61	1,680	74	169	-	74	-	-	60	-	-	57	-	-	54	-	**8,865**	**1,143**	
TOTALS	**603**		**35**	**3,420**		**376**	**7,962**		**2,158**	**940**		**108**	**0**		**0**	**0**		**0**	**623**		**61**	**1,680**		**169**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**15,228**	**2,907**	
KERN WATER BANK																																								
SWP	9,079	152	1,876	5,601	195	1,484	16,055	266	5,804	987	66	89	-	88	-	5,627	147	1,124	2,772	225	848	-	227	-	-	219	-	-	210	-	-	224	-	2,769	154	580	**42,890**	**11,804**	
FK	-	43	-	-	43	-	-	43	-	25,506	43	1,491	3,300	43	193	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	**28,806**	**1,683**	
KR	-	75	-	1,398	99	188	10,182	109	1,508	6,418	86	750	18,330	87	2,167	13,771	84	1,572	4,781	72	468	107	74	11	-	74	-	-	60	-	-	57	-	-	54	-	**54,987**	**6,665**	
TOTALS	**9,079**		**1,876**	**6,999**		**1,672**	**26,237**		**7,312**	**32,911**		**2,329**	**21,630**		**2,360**	**19,398**		**2,696**	**7,553**		**1,315**	**107**		**11**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**2,769**		**580**	**126,683**	**20,152**	
PIONEER PROPERTY																																								
SWP	-	152	-	58	195	15	3,054	266	1,104	131	66	12	-	88	-	-	147	-	-	225	-	-	227	-	-	219	-	-	210	-	-	224	-	-	154	-	**3,243**	**1,131**	
FK	605	43	35	601	43	35	-	43	-	7,304	43	427	-	43	-	24	43	1	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	**8,534**	**499**	
KR	980	75	100	2,020	99	272	4,267	109	632	2,501	86	292	7,185	87	850	5,965	84	681	1,534	72	150	1,450	74	146	490	74	49	-	60	-	-	57	-	-	54	-	**26,392**	**3,172**	
TOTALS	**1,585**		**135**	**2,679**		**322**	**7,321**		**1,736**	**9,936**		**731**	**7,185**		**850**	**5,989**		**682**	**1,534**		**150**	**1,450**		**146**	**490**		**49**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**38,169**	**4,802**	
KERN RIVER CHANNEL																																								
SWP	-	152	-	-	195	-	64	266	23	-	66	-	-	88	-	-	147	-	-	225	-	-	227	-	-	219	-	-	210	-	-	224	-	-	154	-	**64**	**23**	
FK	1,546	43	90	1,239	43	72	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	-	43	-	**2,785**	**163**	
KR	2,214	75	226	-	99	-	-	109	-	-	86	-	-	87	-	-	84	-	188	72	18	79	74	8	-	74	-	-	60	-	-	57	-	-	54	-	**2,481**	**252**	
TOTALS	**3,760**		**316**	**1,239**		**72**	**64**		**23**	**0**		**0**	**0**		**0**	**0**		**0**	**188**		**18**	**79**		**8**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**5,330**	**438**	AVG TDS
																																						195,211	**29,350**	**111** MG/L

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - 43 mg/l represents average of 10 samples collected by KCWA between Nov 94 and Feb 02 (range 19 mg/l to 112 mg/l).
KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

Table 2B-1998

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **1998**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA																																						
SWP	-	180	-	-	331	-	-	293	-	-	297	-	-	227	-	-	218	-	-	108	-	-	78	-	-	78	-	-	124	-	-	186	-	607	206	170	**607**	**170**
FK	-	43	-	-	43	-	-	43	-	-	20	-	412	20	11	1,505	20	41	857	20	23	-	20	-	-	20	-	424	20	12	-	20	-	-	20	-	**3,198**	**87**
KR	-		-	-	92	-	-		-	-	92	-	2,331	92	291	609	111	92	66	129	12	2,015	76	208	1,698	90	208	1,246	64	108	1,809	51	125	1,380	54	101	**11,154**	**1,146**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**2,743**		**303**	**2,114**		**133**	**923**		**35**	**2,015**		**208**	**1,698**		**208**	**1,670**		**120**	**1,809**		**125**	**1,987**		**271**	**14,959**	**1,403**
2800 ACRES																																						
SWP	-	180	-	-	331	-	2,497	293	994	1,631	297	658	-	227	-	-	218	-	-	108	-	-	78	-	-	78	-	-	124	-	-	186	-	-	206	-	**4,128**	**1,653**
FK	-	43	-	-	43	-	-	43	-	-	20	-	1,335	20	36	-	20	-	-	20	-	-	20	-	-	20	-	-	20	-	-	20	-	-	20	-	**1,335**	**36**
KR	-		-	-	92	-	-		-	2,539	92	317	12,949	92	1,619	10,965	111	1,654	8,495	129	1,489	-	76	-	-	90	-	6,271	64	545	-	51	-	-	54	-	**41,219**	**5,625**
TOTALS	**0**		**0**	**0**		**0**	**2,497**		**994**	**4,170**		**976**	**14,284**		**1,655**	**10,965**		**1,654**	**8,495**		**1,489**	**0**		**0**	**0**		**0**	**6,271**		**545**	**0**		**0**	**0**		**0**	**46,682**	**7,314**
KERN WATER BANK																																						
SWP	2,563	180	627	11,165	331	5,023	14,166	293	5,641	13,952	297	5,632	3,118	227	962	-	218	-	-	108	-	-	78	-	-	78	-	-	124	-	-	186	-	6,447	206	1,805	**51,411**	**19,689**
FK	-	43	-	-	43	-	-	43	-	-	20	-	10,259	20	279	24,391	20	663	5,717	20	155	-	20	-	-	20	-	9,404	20	256	-	20	-	-	20	-	**49,771**	**1,353**
KR	-		-	-	92	-	-		-	887	92	111	9,625	92	1,203	10,020	111	1,512	26,924	129	4,720	31,072	76	3,209	33,968	90	4,155	24,710	64	2,149	29,615	51	2,053	10,305	54	756	**177,126**	**19,869**
TOTALS	**2,563**		**627**	**11,165**		**5,023**	**14,166**		**5,641**	**14,839**		**5,743**	**23,002**		**2,444**	**34,411**		**2,175**	**32,641**		**4,876**	**31,072**		**3,209**	**33,968**		**4,155**	**34,114**		**2,405**	**29,615**		**2,053**	**16,752**		**2,561**	**278,308**	**40,911**
PIONEER PROPERTY																																						
SWP	-	180	-	-	331	-	3,501	293	1,394	2,677	297	1,081	-	227	-	-	218	-	-	108	-	-	78	-	-	78	-	-	124	-	-	186	-	1,644	206	460	**7,822**	**2,935**
FK	-	43	-	-	43	-	-	43	-	-	20	-	421	20	11	1,573	20	43	159	20	4	-	20	-	-	20	-	-	20	-	-	20	-	-	20	-	**2,153**	**59**
KR	-		-	-	92	-	-		-	-	92	-	5,018	92	627	4,055	111	612	5,037	129	883	8,081	76	835	7,456	90	912	7,073	64	615	5,826	51	404	4,836	54	355	**47,382**	**5,243**
TOTALS	**0**		**0**	**0**		**0**	**3,501**		**1,394**	**2,677**		**1,081**	**5,439**		**639**	**5,628**		**654**	**5,196**		**887**	**8,081**		**835**	**7,456**		**912**	**7,073**		**615**	**5,826**		**404**	**6,480**		**815**	**57,357**	**8,236**
KERN RIVER CHANNEL																																						
SWP	-	180	-	-	331	-	-	293	-	-	297	-	-	227	-	-	218	-	-	108	-	-	78	-	-	78	-	-	124	-	-	186	-	-	206	-	**0**	**0**
FK	-	43	-	-	43	-	-	43	-	-	20	-	-	20	-	-	20	-	-	20	-	-	20	-	-	20	-	-	20	-	-	20	-	-	20	-	**0**	**0**
KR	-		-	6,204	92	776	-		-	264	92	33	-	92	-	-	111	-	-	129	-	-	76	-	-	90	-	-	64	-	-	51	-	-	54	-	**6,468**	**809**
TOTALS	**0**		**0**	**6,204**		**776**	**0**		**0**	**264**		**33**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**6,468**	**809**	AVG TDS
																																				403,774	**58,673**	107 MG/L

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - 20 mg/L value reported on Henry C. Garnett Water Purification Plant Annual Report.
KR - monthly TDS values from HCGWPP samples. If field is blank, then no data is available. If value is in red, then no sample was taken and the value displayed is the average of 1995-2004.

Table 2B-1999

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **1999**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA																																						
SWP	60	142	12	-	130	-	319	207	90	-	315	-	-	216	-	-	158	-	-	231	-	-	232	-	-	228	-	-	199	-	-	153	-	-	164	-	**379**	**101**
FK	-	20	-	-	15	-	1,034	15	21	401	15	8	198	33	9	-	33	-	-	33	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	**1,633**	**38**
KR	2,070	76	214	1,889	69	177	18	97	2	34	116	5	-	100	-	-	114	-	-	125	-	-	107	-	-	95	-	-	76	-	-	66	-	-	95	-	**4,011**	**399**
TOTALS	**2,130**		**225**	**1,889**		**177**	**1,371**		**113**	**435**		**14**	**198**		**9**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**6,023**	**538**
2800 ACRES																																						
SWP	986	142	190	-	130	-	30	207	8	-	315	-	-	216	-	-	158	-	-	231	-	-	232	-	-	228	-	-	199	-	-	153	-	-	164	-	**1,016**	**199**
FK	-	20	-	-	15	-	2,910	15	59	1,313	15	27	2,639	33	118	-	33	-	-	33	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	**6,862**	**204**
KR	4,471	76	462	3,137	69	294	678	97	89	650	116	102	2,093	100	284	-	114	-	-	125	-	-	107	-	-	95	-	-	76	-	-	66	-	-	95	-	**11,029**	**1,232**
TOTALS	**5,457**		**652**	**3,137**		**294**	**3,618**		**157**	**1,963**		**129**	**4,732**		**403**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**18,907**	**1,635**
KERN WATER BANK																																						
SWP	15,270	142	2,947	3,804	130	672	8,564	207	2,409	1,525	315	653	1,149	216	337	1,022	158	219	2,274	231	714	347	232	109	-	228	-	-	199	-	-	153	-	-	164	-	**33,955**	**8,061**
FK	-	20	-	-	15	-	5,477	15	112	3,002	15	61	7,561	33	339	-	33	-	-	33	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	**16,040**	**512**
KR	3,987	76	412	15,298	69	1,435	272	97	36	-	116	-	179	100	24	-	114	-	-	125	-	-	107	-	-	95	-	-	76	-	-	66	-	-	95	-	**19,736**	**1,907**
TOTALS	**19,257**		**3,359**	**19,102**		**2,107**	**14,313**		**2,557**	**4,527**		**714**	**8,889**		**701**	**1,022**		**219**	**2,274**		**714**	**347**		**109**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**69,731**	**10,480**
PIONEER PROPERTY																																						
SWP	1,989	142	384	43	130	8	1,293	207	364	-	315	-	-	216	-	-	158	-	-	231	-	-	232	-	-	228	-	-	199	-	-	153	-	-	164	-	**3,325**	**755**
FK	-	20	-	-	15	-	2,682	15	55	2,119	15	43	3,773	33	169	-	33	-	-	33	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	**8,574**	**267**
KR	3,961	76	409	4,797	69	450	123	97	16	-	116	-	1,104	100	150	-	114	-	-	125	-	-	107	-	-	95	-	-	76	-	-	66	-	-	95	-	**9,985**	**1,025**
TOTALS	**5,950**		**793**	**4,840**		**457**	**4,098**		**435**	**2,119**		**43**	**4,877**		**319**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**21,884**	**2,048**
KERN RIVER CHANNEL																																						
SWP	-	142	-	-	130	-	8	207	2	-	315	-	-	216	-	-	158	-	-	231	-	-	232	-	-	228	-	-	199	-	-	153	-	-	164	-	**8**	**2**
FK	-	20	-	-	15	-	600	15	12	160	15	3	-	33	-	-	33	-	-	33	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	**760**	**15**
KR	-	76	-	-	69	-	-	97	-	-	116	-	-	100	-	-	114	-	-	125	-	-	107	-	-	95	-	-	76	-	-	66	-	-	95	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**608**		**14**	**160**		**3**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**768**	**18**	AVG TDS
																																					117,313	**14,719**	**92** MG/L

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory. 15 mg/L value (Nov.) reported in Friant Kern Canal Total Dissolved Solids Data Tables, U.S. Bureau of Reclamation, Mid-Pacific Region.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2000

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2000**

	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
PROJECT/SOURCE	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**SALT LOAD (TONS)**	
BERRENDA MESA																																						
SWP	-	258	-	-	242	-	-	291	-	-	295	-	-	250	-	-	187	-	-	206	-	-	239	-	-	239	-	-	189	-	-	213	-	-	164	-	**0**	**0**	
FK	-	20	-	-	29	-	-	29	-	-	29	-	-	29	-	1,027	26	36	-	26	-	-	82	-	-	82	-	-	82	-	-	15	-	-	15	-	**1,027**	**36**	
KR	-	111	-	-	105	-	-	-	-	-	119	-	-	117	-	-	144	-	-	105	-	-	99	-	-	79	-	-	65	-	-	74	-	-	95	-	**0**	**0**	
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,027**		**36**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**1,027**	**36**	
2800 ACRES																																						
SWP	2,073	258	727	1,495	242	492	-	291	-	-	295	-	-	250	-	79	187	20	-	206	-	179	239	58	-	239	-	-	189	-	-	213	-	-	164	-	**3,826**	**1,297**	
FK	-	20	-	-	29	-	-	29	-	-	29	-	-	29	-	16,958	26	599	968	26	34	12,247	82	1,365	487	82	54	-	82	-	-	15	-	-	15	-	**30,660**	**2,053**	
KR	-	111	-	-	105	-	-	-	-	-	119	-	-	117	-	-	144	-	-	105	-	-	99	-	-	79	-	-	65	-	-	74	-	-	95	-	**0**	**0**	
TOTALS	**2,073**		**727**	**1,495**		**492**	**0**		**0**	**0**		**0**	**0**		**0**	**17,037**		**619**	**968**		**34**	**12,426**		**1,423**	**487**		**54**	**0**		**0**	**0**		**0**	**0**		**34,486**	**3,349**	
KERN WATER BANK																																						
SWP	5,758	258	2,019	10,780	242	3,545	3,156	291	1,248	224	295	90	4,896	250	1,664	14,002	187	3,559	-	206	-	-	239	-	-	239	-	-	189	-	-	213	-	-	164	-	**38,816**	**12,125**	
FK	-	20	-	-	29	-	-	29	-	-	29	-	-	29	-	7,448	26	263	-	26	-	676	82	75	-	82	-	-	82	-	-	15	-	-	15	-	**8,124**	**339**	
KR	-	111	-	-	105	-	-	-	-	-	119	-	-	117	-	-	144	-	-	105	-	-	99	-	-	79	-	-	65	-	-	74	-	-	95	-	**0**	**0**	
TOTALS	**5,758**		**2,019**	**10,780**		**3,545**	**3,156**		**1,248**	**224**		**90**	**4,896**		**1,664**	**21,450**		**3,822**	**0**		**0**	**676**		**75**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**46,940**	**12,463**	
PIONEER PROPERTY																																						
SWP	2,890	258	1,013	2,206	242	726	1,640	291	649	2	295	1	-	250	-	3,062	187	778	1,472	206	412	1,053	239	342	-	239	-	-	189	-	-	213	-	-	164	-	**12,325**	**3,921**	
FK	-	20	-	-	29	-	-	29	-	-	29	-	-	29	-	3,288	26	116	127	26	4	6,050	82	674	242	82	27	-	82	-	-	15	-	-	15	-	**9,707**	**822**	
KR	-	111	-	-	105	-	-	-	-	-	119	-	-	117	-	-	144	-	-	105	-	-	99	-	-	79	-	-	65	-	-	74	-	-	95	-	**0**	**0**	
TOTALS	**2,890**		**1,013**	**2,206**		**726**	**1,640**		**649**	**2**		**1**	**0**		**0**	**6,350**		**894**	**1,599**		**417**	**7,103**		**1,016**	**242**		**27**	**0**		**0**	**0**		**0**	**0**		**22,032**	**4,743**	
KERN RIVER CHANNEL																																						
SWP	-	258	-	-	242	-	-	291	-	-	295	-	-	250	-	-	187	-	-	206	-	-	239	-	-	239	-	-	189	-	-	213	-	-	164	-	**0**	**0**	
FK	-	20	-	35	29	1	1,848	29	73	-	29	-	-	29	-	3,858	26	136	215	26	8	-	82	-	-	82	-	-	82	-	-	15	-	-	15	-	**5,956**	**218**	
KR	-	111	-	-	105	-	-	-	-	-	119	-	-	117	-	-	144	-	-	105	-	-	99	-	-	79	-	-	65	-	-	74	-	-	95	-	**0**	**0**	
TOTALS	**0**		**0**	**35**		**1**	**1,848**		**73**	**0**		**0**	**0**		**0**	**3,858**		**136**	**215**		**8**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**5,956**	**218**	AVG TDS
																																				110,441	**20,809**	**139 MG/L**

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2001

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2001**

PROJECT/SOURCE	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	SALT LOAD (TONS)
BERRENDA MESA																																						
SWP	-	248	-	-	262	-	-	301	-	-	374	-	-	337	-	-	280	-	-	275	-	-	239	-	-	227	-	-	291	-	-	245	-	-	323	-	**0**	**0**
FK	-	15	-	-	16	-	-	16	-	-	16	-	-	29	-	-	29	-	-	29	-	-	29	-	-	29	-	-	29	-	-	15	-	-	15	-	**0**	**0**
KR	-	121	-	-	129	-	-	123	-	-	-	-	-	-	-	-	122	-	-	-	-	-	94	-	-	72	-	-	-	-	-	-	-	-	-	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
2800 ACRES																																						
SWP	-	248	-	-	262	-	-	301	-	-	374	-	-	337	-	2,539	280	966	-	275	-	-	239	-	-	227	-	-	291	-	-	245	-	-	323	-	**2,539**	**966**
FK	-	15	-	-	16	-	-	16	-	-	16	-	-	29	-	-	29	-	-	29	-	-	29	-	-	29	-	-	29	-	-	15	-	-	15	-	**0**	**0**
KR	-	121	-	-	129	-	-	123	-	-	-	-	-	-	-	-	122	-	-	-	-	-	94	-	-	72	-	-	-	-	-	-	-	-	-	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**2,539**		**966**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**2,539**	**966**
KERN WATER BANK																																						
SWP	-	248	-	333	262	119	-	301	-	-	374	-	-	337	-	10,030	280	3,817	-	275	-	-	239	-	-	227	-	-	291	-	-	245	-	-	323	-	**10,363**	**3,935**
FK	-	15	-	-	16	-	-	16	-	-	16	-	-	29	-	-	29	-	-	29	-	-	29	-	-	29	-	-	29	-	-	15	-	-	15	-	**0**	**0**
KR	-	121	-	-	129	-	-	123	-	-	-	-	-	-	-	-	122	-	-	-	-	-	94	-	-	72	-	-	-	-	-	-	-	-	-	-	**0**	**0**
TOTALS	**0**		**0**	**333**		**119**	**0**		**0**	**0**		**0**	**0**		**0**	**10,030**		**3,817**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**10,363**	**3,935**
PIONEER PROPERTY																																						
SWP	-	248	-	-	262	-	-	301	-	-	374	-	-	337	-	1,253	280	477	-	275	-	-	239	-	-	227	-	-	291	-	-	245	-	-	323	-	**1,253**	**477**
FK	-	15	-	-	16	-	-	16	-	-	16	-	-	29	-	-	29	-	-	29	-	-	29	-	-	29	-	-	29	-	-	15	-	-	15	-	**0**	**0**
KR	-	121	-	-	129	-	-	123	-	-	-	-	-	-	-	-	122	-	-	-	-	-	94	-	-	72	-	-	-	-	-	-	-	-	-	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,253**		**477**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**1,253**	**477**
KERN RIVER CHANNEL																																						
SWP	-	248	-	-	262	-	-	301	-	-	374	-	-	337	-	139	280	53	-	275	-	-	239	-	-	227	-	-	291	-	-	245	-	-	323	-	**139**	**53**
FK	-	15	-	-	16	-	-	16	-	-	16	-	-	29	-	-	29	-	-	29	-	-	29	-	-	29	-	-	29	-	-	15	-	-	15	-	**0**	**0**
KR	-	121	-	-	129	-	-	123	-	-	-	-	-	-	-	-	122	-	-	-	-	-	94	-	-	72	-	-	-	-	-	-	-	-	-	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**139**		**53**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**139**	**53**	AVG TDS
																																				14,294	**5,431**	**280 MG/L**

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2002

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2002**

PROJECT/SOURCE	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	SALT LOAD (TONS)
BERRENDA MESA																																					
SWP	-	365	-	-	333	-	-	310	-	-	273	-	-	237	-	-	290	-	-	287	-	-	316	-	-	295	-	-	245	-	-	309	-	-	309	-	**0**	**0**
FK	-	15	-	-	30	-	-	30	-	-	30	-	-	30	-	-	30	-	-	30	-	-	38	-	-	38	-	-	38	-	-	22	-	-	22	-	**0**	**0**
KR	-		-	-	92	-	-	92	-	-	127	-	-	153	-	-	118	-	-	124	-	-	100	-	-		-	-		-	-	91	-	-	132	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
2800 ACRES																																					
SWP	-	365	-	-	333	-	-	310	-	-	273	-	-	237	-	929	290	366	551	287	215	-	316	-	-	295	-	-	245	-	-	309	-	-	309	-	**1,480**	**581**
FK	-	15	-	-	30	-	-	30	-	-	30	-	-	30	-	-	30	-	-	30	-	-	38	-	-	38	-	-	38	-	-	22	-	-	22	-	**0**	**0**
KR	-		-	-	92	-	-	92	-	-	127	-	-	153	-	-	118	-	-	124	-	-	100	-	-		-	-		-	-	91	-	-	132	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**929**		**366**	**551**		**215**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**1,480**	**581**
KERN WATER BANK																																					
SWP	-	365	-	-	333	-	-	310	-	7,059	273	2,619	-	237	-	3,039	290	1,198	3,341	287	1,303	-	316	-	-	295	-	-	245	-	-	309	-	-	309	-	**13,439**	**5,120**
FK	-	15	-	-	30	-	-	30	-	-	30	-	-	30	-	-	30	-	-	30	-	-	38	-	-	38	-	-	38	-	-	22	-	-	22	-	**0**	**0**
KR	-		-	-	92	-	-	92	-	-	127	-	-	153	-	-	118	-	-	124	-	-	100	-	-		-	-		-	-	91	-	-	132	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**7,059**		**2,619**	**0**		**0**	**3,039**		**1,198**	**3,341**		**1,303**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**13,439**	**5,120**
PIONEER PROPERTY																																					
SWP	-	365	-	-	333	-	-	310	-	-	273	-	-	237	-	506	290	199	928	287	362	-	316	-	-	295	-	-	245	-	-	309	-	-	309	-	**1,434**	**561**
FK	-	15	-	-	30	-	-	30	-	-	30	-	-	30	-	-	30	-	-	30	-	-	38	-	-	38	-	-	38	-	-	22	-	-	22	-	**0**	**0**
KR	-		-	-	92	-	-	92	-	-	127	-	-	153	-	-	118	-	-	124	-	-	100	-	-		-	-		-	-	91	-	-	132	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**506**		**199**	**928**		**362**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**1,434**	**561**
KERN RIVER CHANNEL																																					
SWP	-	365	-	-	333	-	-	310	-	-	273	-	-	237	-	-	290	-	-	287	-	-	316	-	-	295	-	-	245	-	-	309	-	-	309	-	**0**	**0**
FK	1,262	15	26	-	30	-	-	30	-	-	30	-	-	30	-	-	30	-	-	30	-	-	38	-	-	38	-	-	38	-	-	22	-	-	22	-	**1,262**	**26**
KR	-		-	8	92	1	805	92	101	1,038	127	179	1,267	153	263	-	118	-	-	124	-	-	100	-	-		-	-		-	-	91	-	-	132	-	**3,118**	**544**
TOTALS	**1,262**		**26**	**8**		**1**	**805**		**101**	**1,038**		**179**	**1,267**		**263**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**4,380**	**570**	AVG TDS
																																				20,733	**6,832**	**242 MG/L**

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2003

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2003**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)	
BERRENDA MESA																																							
SWP	-	412	-	-	412	-	-	355	-	-	306	-	-	273	-	419	231	132	-	242	-	-	316	-	-	167	-	-	231	-	-	178	-	-	175	-	**419**	**132**	
FK	-	22	-	-	30	-	-	30	-	-	30	-	-	33	-	-	33	-	-	33	-	-	19	-	-	19	-	-	19	-	-	29	-	-	29	-	**0**	**0**	
KR	-	120	-	-		-	-		-	-	133	-	-	117	-	-	122	-	-	128	-	-	109	-	-	85	-	-		-	-		-	-		-	**0**	**0**	
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**419**		**132**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**419**	**132**	
2800 ACRES																																							
SWP	-	412	-	-	412	-	-	355	-	-	306	-	-	273	-	589	231	185	71	242	23	-	316	-	-	167	-	-	231	-	-	178	-	-	175	-	**660**	**208**	
FK	-	22	-	-	30	-	-	30	-	-	30	-	-	33	-	-	33	-	-	33	-	787	19	20	-	19	-	-	19	-	-	29	-	-	29	-	**787**	**20**	
KR	-	120	-	-		-	-		-	-	133	-	-	117	-	-	122	-	-	128	-	-	109	-	-	85	-	-		-	-		-	-		-	**0**	**0**	
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**589**		**185**	**71**		**23**	**787**		**20**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,447**	**229**	
KERN WATER BANK																																							
SWP	-	412	-	-	412	-	-	355	-	-	306	-	-	273	-	4,632	231	1,454	-	242	-	-	316	-	-	167	-	-	231	-	-	178	-	-	175	-	**4,632**	**1,454**	
FK	-	22	-	-	30	-	-	30	-	-	30	-	-	33	-	-	33	-	-	33	-	-	19	-	-	19	-	-	19	-	-	29	-	-	29	-	**0**	**0**	
KR	-	120	-	-		-	-		-	-	133	-	-	117	-	-	122	-	-	128	-	-	109	-	-	85	-	-		-	-		-	-		-	**0**	**0**	
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**4,632**		**1,454**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**4,632**	**1,454**	
PIONEER PROPERTY																																							
SWP	-	412	-	-	412	-	-	355	-	-	306	-	-	273	-	611	231	192	6	242	2	-	316	-	-	167	-	-	231	-	-	178	-	-	175	-	**617**	**194**	
FK	-	22	-	-	30	-	-	30	-	-	30	-	-	33	-	-	33	-	-	33	-	-	19	-	-	19	-	-	19	-	-	29	-	-	29	-	**0**	**0**	
KR	-	120	-	-		-	-		-	-	133	-	-	117	-	-	122	-	-	128	-	-	109	-	-	85	-	-		-	-		-	-		-	**0**	**0**	
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**611**		**192**	**6**		**2**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**617**	**194**	
KERN RIVER CHANNEL																																							
SWP	-	412	-	-	412	-	-	355	-	-	306	-	-	273	-	398	231	125	-	242	-	-	316	-	-	167	-	-	231	-	-	178	-	-	175	-	**398**	**125**	
FK	-	22	-	-	30	-	-	30	-	-	30	-	-	33	-	-	33	-	828	33	37	7,252	19	187	239	19	6	-	19	-	-	29	-	-	29	-	**8,319**	**231**	
KR	-	120	-	-		-	-		-	-	133	-	169	117	27	-	122	-	-	128	-	-	109	-	-	85	-	-		-	-		-	-		-	**169**	**27**	
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**169**		**27**	**398**		**125**	**828**		**37**	**7,252**		**187**	**239**		**6**	**0**		**0**	**0**		**0**	**0**		**0**	**8,886**	**382**	AVG TDS
																																					16,001	**2,391**	**110 MG/L**

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2004

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2004**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA																																						
SWP	-	273	-	-	303	-	300	384	157	343	306	143	-	238	-	2,529	265	911	-	210	-	-	275	-	-	261	-	-	158	-	-	208	-	-	234	-	**3,172**	**1,210**
FK	-	29	-	-	26	-	-	26	-	-	26	-	-	26	-	-	26	-	-	26	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	**0**	**0**
KR	-		-	-		-	-	92	-	-	92	-	-		-	-		-	-	101	-	-	82	-	-	72	-	-	84	-	-	79	-	-	116	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**300**		**157**	**343**		**143**	**0**		**0**	**2,529**		**911**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**		**0**	**3,172**	**1,210**
2800 ACRES																																						
SWP	-	273	-	-	303	-	341	384	178	50	306	21	797	238	258	6,109	265	2,200	-	210	-	-	275	-	-	261	-	-	158	-	-	208	-	-	234	-	**7,297**	**2,657**
FK	-	29	-	-	26	-	-	26	-	-	26	-	-	26	-	-	26	-	-	26	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	**0**	**0**
KR	-		-	-		-	-	92	-	-	92	-	-		-	-		-	-	101	-	-	82	-	-	72	-	-	84	-	-	79	-	-	116	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**341**		**178**	**50**		**21**	**797**		**258**	**6,109**		**2,200**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**		**0**	**7,297**	**2,657**
KERN WATER BANK																																						
SWP	2,413	273	895	16,789	303	6,914	16,540	384	8,632	-	306	-	1,914	238	619	16,151	265	5,817	-	210	-	-	275	-	-	261	-	-	158	-	-	208	-	-	234	-	**53,807**	**22,877**
FK	-	29	-	-	26	-	-	26	-	-	26	-	-	26	-	-	26	-	-	26	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	**0**	**0**
KR	-		-	-		-	-	92	-	-	92	-	-		-	-		-	-	101	-	-	82	-	-	72	-	-	84	-	-	79	-	-	116	-	**0**	**0**
TOTALS	**2,413**		**895**	**16,789**		**6,914**	**16,540**		**8,632**	**0**		**0**	**1,914**		**619**	**16,151**		**5,817**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**		**0**	**53,807**	**22,877**
PIONEER PROPERTY																																						
SWP	1,277	273	474	2,521	303	1,038	3,957	384	2,065	1,696	306	705	559	238	181	4,556	265	1,641	-	210	-	-	275	-	-	261	-	-	158	-	-	208	-	-	234	-	**14,566**	**6,104**
FK	-	29	-	-	26	-	-	26	-	-	26	-	-	26	-	-	26	-	-	26	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	**0**	**0**
KR	-		-	-		-	-	92	-	-	92	-	-		-	-		-	-	101	-	-	82	-	-	72	-	-	84	-	-	79	-	-	116	-	**0**	**0**
TOTALS	**1,277**		**474**	**2,521**		**1,038**	**3,957**		**2,065**	**1,696**		**705**	**559**		**181**	**4,556**		**1,641**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**		**0**	**14,566**	**6,104**
KERN RIVER CHANNEL																																						
SWP	-	273	-	6,002	303	2,472	6,740	384	3,517	-	306	-	-	238	-	24	265	9	-	210	-	-	275	-	-	261	-	-	158	-	-	208	-	-	234	-	**12,766**	**5,998**
FK	-	29	-	-	26	-	-	26	-	-	26	-	-	26	-	-	26	-	-	26	-	-	36	-	-	36	-	-	36	-	-	20	-	-	20	-	**0**	**0**
KR	-		-	-		-	2,813	92	352	1,839	92	230	-		-	-		-	-	101	-	-	82	-	-	72	-	-	84	-	-	79	-	-	116	-	**4,652**	**582**
TOTALS	**0**		**0**	**6,002**		**2,472**	**9,553**		**3,869**	**1,839**		**230**	**0**		**0**	**24**		**9**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**		**0**	**17,418**	**6,579**	AVG TDS
																																					96,260	**39,427**	**301 MG/L**

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2005

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2005**

	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
PROJECT/SOURCE	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	SALT LOAD (TONS)
BERRENDA MESA																																					
SWP	0	292	-	-	317	-	-	284	-	1,057	343	493	3,077	306	1,280	589	311	249	169	186	43	329	245	110	391	161	86	1,031	203	284	268	209	76	293	229	91	**7,204**	**2,711**
FK	0	20	-	-	17	-	-	17	-	-	17	-	1,158	26	41	3,539	26	125	3,636	26	128	3,483	24	114	636	24	21	512	24	17	1,434	24	47	1,139	24	37	**15,537**	**529**
KR	0	99	-	-	-	-	-	-	-	-	92	-	-	139	-	-	132	-	-	121	-	22	86	3	1,577	61	131	1,720	70	164	1,460	61	121	1,500	63	128	**6,279**	**546**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**1,057**		**493**	**4,235**		**1,321**	**4,128**		**374**	**3,805**		**171**	**3,834**		**226**	**2,604**		**237**	**3,263**		**465**	**3,162**		**244**	**2,932**		**257**	**29,020**	**3,787**
2800 ACRES																																					
SWP	0	292	-	-	317	-	-	284	-	5,238	343	2,442	10,358	306	4,308	11,189	311	4,729	9,384	186	2,372	-	245	-	-	161	-	1,974	203	545	9,051	209	2,571	8,743	229	2,721	**55,937**	**19,687**
FK	0	20	-	-	17	-	-	17	-	5,244	17	121	11,977	26	423	2,581	26	91	5,572	26	197	13,710	24	447	-	24	-	-	24	-	579	24	19	1,541	24	50	**41,204**	**1,349**
KR	0	99	-	-	-	-	-	-	-	133	92	17	-	139	-	-	132	-	-	121	-	-	86	-	-	61	-	-	70	-	2,390	61	198	833	63	71	**3,356**	**286**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**10,615**		**2,580**	**22,335**		**4,731**	**13,770**		**4,820**	**14,956**		**2,569**	**13,710**		**447**	**0**		**0**	**1,974**		**545**	**12,020**		**2,788**	**11,117**		**2,843**	**100,497**	**21,322**
KERN WATER BANK																																					
SWP	0	292	-	-	317	-	-	284	-	29,486	343	13,745	39,919	306	16,601	50,106	311	21,178	49,900	186	12,614	14,278	245	4,754	30,897	161	6,761	234	203	65	11,025	209	3,132	25,520	229	7,943	**251,365**	**86,793**
FK	0	20	-	-	17	-	-	17	-	-	17	-	545	26	19	6,446	26	228	9,891	26	350	28,099	24	917	5,734	24	187	301	24	10	-	24	-	4,692	24	153	**55,708**	**1,863**
KR	0	99	-	-	-	-	-	-	-	-	92	-	-	139	-	-	132	-	-	121	-	-	86	-	900	61	75	-	70	-	-	61	-	-	63	-	**900**	**75**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**29,486**		**13,745**	**40,464**		**16,621**	**56,552**		**21,406**	**59,791**		**12,964**	**42,377**		**5,671**	**37,531**		**7,022**	**535**		**74**	**11,025**		**3,132**	**30,212**		**8,096**	**307,973**	**88,730**
PIONEER PROPERTY																																					
SWP	0	292	-	-	317	-	-	284	-	3,291	343	1,534	6,910	306	2,874	4,106	311	1,735	5,763	186	1,457	474	245	158	1,316	161	288	2,364	203	652	2,862	209	813	4,114	229	1,280	**31,200**	**10,791**
FK	0	20	-	-	17	-	-	17	-	20	17	0	4,334	26	153	9,832	26	347	8,537	26	302	8,758	24	286	421	24	14	236	24	8	2,793	24	91	1,476	24	48	**36,407**	**1,249**
KR	0	99	-	-	-	-	-	-	-	-	92	-	-	139	-	-	132	-	1,281	121	211	1,973	86	231	8,288	61	687	6,666	70	634	4,808	61	399	2,843	63	243	**25,859**	**2,405**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**3,311**		**1,535**	**11,244**		**3,027**	**13,938**		**2,083**	**15,581**		**1,969**	**11,205**		**674**	**10,025**		**989**	**9,266**		**1,294**	**10,463**		**1,303**	**8,433**		**1,572**	**93,466**	**14,445**
KERN RIVER CHANNEL																																					
SWP	0	292	-	-	317	-	-	284	-	-	343	-	-	306	-	-	311	-	-	186	-	-	245	-	-	161	-	-	203	-	-	209	-	-	229	-	**0**	**0**
FK	0	20	-	-	17	-	-	17	-	4,852	17	112	10,642	26	376	599	26	21	2,416	26	85	5,210	24	170	-	24	-	-	24	-	83	24	3	90	24	3	**23,892**	**770**
KR	0	99	-	-	-	-	-	-	-	454	92	57	-	139	-	-	132	-	-	121	-	2,055	86	240	170	61	14	467	70	44	535	61	44	89	63	8	**3,770**	**407**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**5,306**		**169**	**10,642**		**376**	**599**		**21**	**2,416**		**85**	**7,265**		**410**	**170**		**14**	**467**		**44**	**618**		**47**	**179**		**11**	**27,662**	**1,178**	AVG TDS
																																				558,618	**129,462**	**171 MG/L**

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2006

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2006**

	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
PROJECT/SOURCE	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	SALT LOAD (TONS)
BERRENDA MESA																																					
SWP	709	204	197	401	230	125	2,112	329	944	737	171	171	2,267	203	625	1,838	178	445	-	148	-	-	151	-	-	118	-	-	433	198	117	453	159	98	1,985	154	415	**10,935**	**3,137**
FK	-	24	-	-	28	-	-	28	-	1,097	28	42	-	28	-	524	28	20	1,799	28	68	-	12	-	-	12	-	-	-	12	-	-	23	-	-	23	-	**3,420**	**130**
KR	2,113	67	192	541	77	57	-	92	-	638	92	80	-	95	-	-	98	-	109	104	15	2,158	74	217	1,868	43	109	1,515	43	89	1,732	55	129	-	92	-	**10,674**	**888**
TOTALS	**2,822**		**389**	**942**		**182**	**2,112**		**944**	**2,472**		**293**	**2,267**		**625**	**2,362**		**465**	**1,908**		**84**	**2,158**		**217**	**1,868**		**109**	**1,948**		**205**	**2,185**		**227**	**1,985**		**415**	**25,029**	**4,156**
2800 ACRES																																					
SWP	8,142	204	2,257	7,611	230	2,379	5,512	329	2,465	1,458	171	339	5,456	203	1,505	4,659	178	1,127	-	148	-	-	151	-	-	118	-	3,546	198	954	5,289	159	1,143	5,250	154	1,099	**46,923**	**13,268**
FK	-	24	-	-	28	-	-	28	-	2,187	28	83	-	28	-	960	28	37	367	28	14	-	12	-	-	12	-	-	-	12	-	-	23	-	-	23	-	**3,514**	**134**
KR	1,648	67	150	-	77	-	-	92	-	-	92	-	-	95	-	-	98	-	-	104	-	-	74	-	1,484	43	87	3,507	43	205	1,694	55	127	-	92	-	**8,333**	**568**
TOTALS	**9,790**		**2,407**	**7,611**		**2,379**	**5,512**		**2,465**	**3,645**		**422**	**5,456**		**1,505**	**5,619**		**1,164**	**367**		**14**	**0**		**0**	**1,484**		**87**	**7,053**		**1,159**	**6,983**		**1,270**	**5,250**		**1,099**	**58,770**	**13,970**
KERN WATER BANK																																					
SWP	32,256	204	8,943	21,818	230	6,820	21,979	329	9,828	13,084	171	3,041	27,903	203	7,698	24,527	178	5,933	1,732	148	348	-	151	-	2,114	118	339	16,243	198	4,371	18,972	159	4,100	20,077	154	4,202	**200,705**	**55,623**
FK	3,531	24	115	-	28	-	-	28	-	14,325	28	545	-	28	-	2,879	28	110	23,040	28	877	-	12	-	-	12	-	-	-	12	-	-	23	-	-	23	-	**43,775**	**1,647**
KR	-	67	-	-	77	-	-	92	-	6,282	92	785	-	95	-	-	98	-	526	104	74	29,088	74	2,925	22,609	43	1,321	4,911	43	287	1,097	55	82	411	92	51	**64,924**	**5,527**
TOTALS	**35,787**		**9,058**	**21,818**		**6,820**	**21,979**		**9,828**	**33,691**		**4,371**	**27,903**		**7,698**	**27,406**		**6,043**	**25,298**		**1,299**	**29,088**		**2,925**	**24,723**		**1,660**	**21,154**		**4,658**	**20,069**		**4,182**	**20,488**		**4,253**	**309,404**	**62,797**
PIONEER PROPERTY																																					
SWP	3,593	204	996	6,358	230	1,987	5,970	329	2,669	1,945	171	452	5,374	203	1,483	3,898	178	943	-	148	-	-	151	-	-	118	-	955	198	257	4,708	159	1,017	3,561	154	745	**36,362**	**10,550**
FK	-	24	-	-	28	-	-	28	-	3,602	28	137	-	28	-	770	28	29	4,929	28	188	-	12	-	-	12	-	-	-	12	-	-	23	-	-	23	-	**9,301**	**354**
KR	1,641	67	149	171	77	18	-	92	-	-	92	-	-	95	-	-	98	-	215	104	30	6,387	74	642	5,855	43	342	3,635	43	212	821	55	61	-	92	-	**18,725**	**1,456**
TOTALS	**5,234**		**1,146**	**6,529**		**2,005**	**5,970**		**2,669**	**5,547**		**589**	**5,374**		**1,483**	**4,668**		**972**	**5,144**		**218**	**6,387**		**642**	**5,855**		**342**	**4,590**		**469**	**5,529**		**1,079**	**3,561**		**745**	**64,388**	**12,360**
KERN RIVER CHANNEL																																					
SWP	50	204	14	978	230	306	99	329	44	-	171	-	-	203	-	-	178	-	-	148	-	-	151	-	-	118	-	-	198	-	-	159	-	-	154	-	**1,127**	**364**
FK	-	24	-	-	28	-	-	28	-	289	28	11	-	28	-	-	28	-	-	28	-	-	12	-	-	12	-	-	12	-	-	23	-	-	23	-	**289**	**11**
KR	705	67	64	235	77	25	268	92	34	167	92	21	-	95	-	-	98	-	-	104	-	-	74	-	-	43	-	369	43	22	-	55	-	-	92	-	**1,744**	**165**
TOTALS	**755**		**78**	**1,213**		**330**	**367**		**78**	**456**		**32**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**369**		**22**	**0**		**0**	**0**		**0**	**3,160**	**540**	AVG TDS
																																				460,751	**93,823**	**150 MG/L**

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2007

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2007**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA																																						
SWP	2,198	160	478	2,486	167	564	2,392	269	874	1,843	322	807	-	294	-	-	250	-	-	235	-	-	241	-	-	254	-	-	191	-	-	223	-	-	325	-	**8,919**	**2,723**
FK	-	23	-	-	23	-	-	23	-	-	23		-	23	-	-	23	-	-	32	-	-	32	-	-	32	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR	-	96	-	-		-	-		-	255	104	36	-	102	-	-	105	-	-	101	-	-	101	-	-	101	-	-	120	-	-	120	-	-	120	-	**255**	**36**
TOTALS	**2,198**		**478**	**2,486**		**564**	**2,392**		**874**	**2,098**		**843**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**	**9,174**	**2,759**
2800 ACRES																																						
SWP	4,457	160	969	5,123	167	1,163	5,059	269	1,850	212	322	93	-	294	-	-	250	-	-	235	-	-	241	-	-	254	-	-	191	-	-	223	-	-	325	-	**14,851**	**4,074**
FK	-	23	-	-	23	-	-	23	-	2,220	23	69	-	23	-	-	23	-	-	32	-	-	32	-	-	32	-	-	233	-	-	233	-	-	233	-	**2,220**	**69**
KR	-	96	-	-		-	285		-	2,063	104	292	-	102	-	-	105	-	-	101	-	-	101	-	-	101	-	-	120	-	-	120	-	-	120	-	**2,348**	**292**
TOTALS	**4,457**		**969**	**5,123**		**1,163**	**5,344**		**1,850**	**4,495**		**454**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**	**19,419**	**4,435**
KERN WATER BANK																																						
SWP	19,646	160	4,272	17,037	167	3,867	16,730	269	6,116	15,350	322	6,717	857	294	342	521	250	177	-	235	-	-	241	-	-	254	-	-	191	-	-	223	-	-	325	-	**70,141**	**21,492**
FK	-	23	-	-	23	-	-	23	-	-	23	-	-	23	-	-	23	-	-	32	-	-	32	-	-	32	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR	-	96	-	-		-	-		-	-	104	-	-	102	-	-	105	-	-	101	-	-	101	-	-	101	-	-	120	-	-	120	-	-	120	-	**0**	**0**
TOTALS	**19,646**		**4,272**	**17,037**		**3,867**	**16,730**		**6,116**	**15,350**		**6,717**	**857**		**342**	**521**		**177**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**	**70,141**	**21,492**
PIONEER PROPERTY																																						
SWP	3,186	160	693	5,307	167	1,205	6,080	269	2,223	2,093	322	916	-	294	-	-	250	-	-	235	-	-	241	-	-	254	-	-	191	-	-	223	-	-	325	-	**16,666**	**5,036**
FK	-	23	-	-	23	-	-	23	-	1,020	23	32	-	23	-	-	23	-	-	32	-	-	32	-	-	32	-	-	233	-	-	233	-	-	233	-	**1,020**	**32**
KR	-	96	-	-		-	-		-	1,700	104	240	-	102	-	-	105	-	-	101	-	-	101	-	-	101	-	-	120	-	-	120	-	-	120	-	**1,700**	**240**
TOTALS	**3,186**		**693**	**5,307**		**1,205**	**6,080**		**2,223**	**4,813**		**1,188**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**	**19,386**	**5,308**
BUENA VISTA PROPERTY[1]																																						
SWP										-	322	-	-	294	-	-	250	-	-	235	-	-	241	-	-	254	-	-	191	-	-	223	-	-	325	-	**0**	**0**
FK										-	23	-	-	23	-	-	23	-	-	32	-	-	32	-	-	32	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR										519	104	73	872	102	121	240	105	34	384	101	53	613	101	84	7,121	101	977	12,812	120	2,089	6,592	120	1,075	172	120	28	**29,325**	**4,535**
TOTALS										**519**		**73**	**872**		**121**	**240**		**34**	**384**		**53**	**613**		**84**	**7,121**		**977**	**12,812**		**2,089**	**6,592**		**1,075**	**172**		**28**	**29,325**	**4,535**
RRBWSD PROJECTS (INCLUDING STRAND)																																						
SWP										439	322	192	113	294	45	-	250	-	-	235	-	-	241	-	-	254	-	-	191	-	-	223	-	-	325	-	**552**	**237**
FK										-	23	-	-	23	-	-	23	-	-	32	-	-	32	-	-	32	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR										3,356	104	474	-	102	-	-	105	-	-	101	-	-	101	-	-	101	-	-	120	-	-	120	-	-	120	-	**3,356**	**474**
TOTALS										**3,795**		**666**	**113**		**45**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**	**3,908**	**712**
JOINT USE RECOVERY PROJECT																																						
SWP										-	322	-	-	294	-	-	250	-	-	235	-	-	241	-	-	254	-	-	191	-	-	223	-	-	325	-	**0**	**0**
FK										-	23	-	-	23	-	-	23	-	-	32	-	-	32	-	-	32	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR										-	104	-	-	102	-	-	105	-	-	101	-	-	101	-	-	101	-	-	120	-	-	120	-	-	120	-	**0**	**0**
TOTALS										**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**	**0**
KERN RIVER CHANNEL																																						
SWP	-	160	-	-	167	-	-	269	-	-	322	-	-	330	-	-	250	-	-	235	-	-	241	-	-	254	-	-	191	-	-	223	-	-	325	-	**0**	**0**
FK	-	23	-	-	23	-	-	23	-	-	23	-	-	23	-	-	23	-	-	32	-	-	32	-	-	32	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR	-	96	-	-		-	-		-	-	104	-	-	102	-	-	105	-	-	101	-	-	101	-	-	101	-	-	120	-	-	120	-	-	120	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**	**0**
																																					151,353	**39,242**	AVG TDS **191 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2008

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2008**

PROJECT/SOURCE	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	SALT LOAD (TONS)
BERRENDA MESA																																						
SWP	-	274	-	-	274	-	-	281	-	-	321	-	-	343	-	-	281	-	-	311	-	-	286	-	-	290	-	-	257	-	-	279	-	-	265	-	**0**	**0**
FK	-	220	-	-	220	-	-	220	-	-	220	-	-	164	-	-	164	-	-	44	-	-	44	-	-	44	-	-	51	-	-	51	-	-	51	-	**0**	**0**
KR	-	121	-	-	127	-	-	129	-	-	152	-	-	126	-	-	123	-	-	101	-	-	92	-	-	69	-	-	65	-	-	79	-	-	48	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
2800 ACRES																																						
SWP	-	274	-	-	274	-	-	281	-	-	321	-	-	343	-	-	281	-	-	311	-	-	286	-	-	290	-	-	257	-	-	279	-	-	265	-	**0**	**0**
FK	-	220	-	-	220	-	-	220	-	-	220	-	-	164	-	-	164	-	-	44	-	-	44	-	-	44	-	-	51	-	-	51	-	-	51	-	**0**	**0**
KR	-	121	-	-	127	-	-	129	-	-	152	-	-	126	-	-	123	-	-	101	-	-	92	-	-	69	-	-	65	-	-	79	-	-	48	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
KERN WATER BANK																																						
SWP	-	274	-	-	274	-	-	281	-	-	321	-	-	343	-	-	281	-	-	311	-	-	286	-	-	290	-	-	257	-	-	279	-	-	265	-	**0**	**0**
FK	-	220	-	-	220	-	-	220	-	-	220	-	-	164	-	-	164	-	-	44	-	-	44	-	-	44	-	-	51	-	-	51	-	-	51	-	**0**	**0**
KR	-	121	-	-	127	-	-	129	-	-	152	-	-	126	-	-	123	-	-	101	-	-	92	-	-	69	-	-	65	-	-	79	-	-	48	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
PIONEER PROPERTY																																						
SWP	-	274	-	-	274	-	-	281	-	-	321	-	-	343	-	-	281	-	-	311	-	-	286	-	-	290	-	-	257	-	-	279	-	-	265	-	**0**	**0**
FK	-	220	-	-	220	-	-	220	-	-	220	-	-	164	-	-	164	-	-	44	-	-	44	-	-	44	-	-	51	-	-	51	-	-	51	-	**0**	**0**
KR	-	121	-	-	127	-	-	129	-	-	152	-	-	126	-	-	123	-	-	101	-	-	92	-	-	69	-	-	65	-	-	79	-	-	48	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
BUENA VISTA PROPERTY[1]																																						
SWP	-	274	-	-	274	-	-	281	-	-	321	-	-	343	-	-	281	-	-	311	-	-	286	-	-	290	-	-	257	-	-	279	-	-	265	-	**0**	**0**
FK	-	220	-	-	220	-	-	220	-	-	220	-	-	164	-	-	164	-	-	44	-	-	44	-	-	44	-	-	51	-	-	51	-	-	51	-	**0**	**0**
KR	16	121	3	69	127	12	117	129	21	577	152	119	971	126	166	267	123	45	427	101	59	683	92	85	7,927	69	743	14,261	65	1,260	7,338	79	788	191	48	12	**32,844**	**3,313**
TOTALS	**16**		**3**	**69**		**12**	**117**		**21**	**577**		**119**	**971**		**166**	**267**		**45**	**427**		**59**	**683**		**85**	**7,927**		**743**	**14,261**		**1,260**	**7,338**		**788**	**191**		**12**	**32,844**	**3,313**
RRBWSD PROJECTS (INCLUDING STRAND)																																						
SWP	-	274	-	-	274	-	-	281	-	-	321	-	-	343	-	-	281	-	-	311	-	-	286	-	-	290	-	-	257	-	-	279	-	-	265	-	**0**	**0**
FK	-	220	-	-	220	-	-	220	-	-	220	-	-	164	-	-	164	-	-	44	-	-	44	-	-	44	-	-	51	-	-	51	-	-	51	-	**0**	**0**
KR	-	121	-	-	127	-	-	129	-	-	152	-	-	126	-	-	123	-	-	101	-	-	92	-	-	69	-	-	65	-	-	79	-	-	48	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
JOINT USE RECOVERY PROJECT																																						
SWP	-	274	-	-	274	-	-	281	-	-	321	-	-	343	-	-	281	-	-	311	-	-	286	-	-	290	-	-	257	-	-	279	-	-	265	-	**0**	**0**
FK	-	220	-	-	220	-	-	220	-	-	220	-	-	164	-	-	164	-	-	44	-	-	44	-	-	44	-	-	51	-	-	51	-	-	51	-	**0**	**0**
KR	-	121	-	-	127	-	-	129	-	-	152	-	-	126	-	-	123	-	-	101	-	-	92	-	-	69	-	-	65	-	-	79	-	-	48	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
KERN RIVER CHANNEL																																						
SWP	-	274	-	-	274	-	-	281	-	-	321	-	-	343	-	-	281	-	-	311	-	-	286	-	-	290	-	-	257	-	-	279	-	-	265	-	**0**	**0**
FK	-	220	-	-	220	-	-	220	-	-	220	-	-	164	-	-	164	-	-	44	-	-	44	-	-	44	-	-	51	-	-	51	-	-	51	-	**0**	**0**
KR	-	121	-	-	127	-	-	129	-	-	152	-	-	126	-	-	123	-	-	101	-	-	92	-	-	69	-	-	65	-	-	79	-	-	48	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	AVG TDS
																																				32,844	**3,313**	**74 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2009

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2009**

	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
PROJECT/SOURCE	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**SALT LOAD (TONS)**
BERRENDA MESA																																					
SWP	-	301	-	-	258	-	-	309	-	-	324	-	-	300	-	-	297	-	-	281	-	-	303	-	-	315	-	-	230	-	-	223	-	-	283	-	**0**	**0**
FK	-	36	-	-	36	-	-	36	-	-	157	-	-	157	-	-	157	-	-	133	-	-	133	-	-	133	-	-	44	-	-	44	-	-	44	-	**0**	**0**
KR	-	105	-	-	111	-	-	120	-	-	155	-	-	120	-	-	109	-	-	106	-	-	85	-	-	66	-	-	66	-	-	70	-	-	90	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
2800 ACRES																																					
SWP	-	301	-	-	258	-	-	309	-	-	324	-	-	300	-	-	297	-	-	281	-	-	303	-	-	315	-	-	230	-	-	223	-	-	283	-	**0**	**0**
FK	-	36	-	-	36	-	-	36	-	-	157	-	-	157	-	-	157	-	-	133	-	-	133	-	-	133	-	-	44	-	-	44	-	-	44	-	**0**	**0**
KR	-	105	-	-	111	-	-	120	-	-	155	-	-	120	-	-	109	-	-	106	-	-	85	-	-	66	-	-	66	-	-	70	-	-	90	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
KERN WATER BANK																																					
SWP	-	301	-	-	258	-	-	309	-	-	324	-	-	300	-	-	297	-	-	281	-	-	303	-	-	315	-	-	230	-	-	223	-	-	283	-	**0**	**0**
FK	-	36	-	-	36	-	-	36	-	-	157	-	-	157	-	-	157	-	-	133	-	-	133	-	-	133	-	-	44	-	-	44	-	-	44	-	**0**	**0**
KR	-	105	-	-	111	-	-	120	-	-	155	-	-	120	-	-	109	-	-	106	-	-	85	-	-	66	-	-	66	-	-	70	-	-	90	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
PIONEER PROPERTY																																					
SWP	-	301	-	-	258	-	-	309	-	-	324	-	-	300	-	-	297	-	-	281	-	-	303	-	-	315	-	-	230	-	-	223	-	-	283	-	**0**	**0**
FK	-	36	-	-	36	-	-	36	-	-	157	-	-	157	-	-	157	-	-	133	-	-	133	-	-	133	-	-	44	-	-	44	-	-	44	-	**0**	**0**
KR	-	105	-	-	111	-	-	120	-	-	155	-	-	120	-	-	109	-	-	106	-	-	85	-	-	66	-	-	66	-	-	70	-	-	90	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
BUENA VISTA PROPERTY[1]																																					
SWP	-	301	-	-	258	-	-	309	-	-	324	-	-	300	-	-	297	-	-	281	-	-	303	-	-	315	-	-	230	-	-	223	-	-	283	-	**0**	**0**
FK	-	36	-	-	36	-	-	36	-	-	157	-	-	157	-	-	157	-	-	133	-	-	133	-	-	133	-	-	44	-	-	44	-	-	44	-	**0**	**0**
KR	18	105	3	77	111	12	129	120	21	616	155	130	1,036	120	169	286	109	42	456	106	66	729	85	84	8,463	66	759	15,226	66	1,366	7,834	70	745	204	90	25	**35,074**	**3,421**
TOTALS	**18**		**3**	**77**		**12**	**129**		**21**	**616**		**130**	**1,036**		**169**	**286**		**42**	**456**		**66**	**729**		**84**	**8,463**		**759**	**15,226**		**1,366**	**7,834**		**745**	**204**		**25**	**35,074**	**3,421**
RRBWSD PROJECTS (INCLUDING STRAND)																																					
SWP	-	301	-	-	258	-	-	309	-	-	324	-	-	300	-	-	297	-	-	281	-	-	303	-	-	315	-	-	230	-	-	223	-	-	283	-	**0**	**0**
FK	-	36	-	-	36	-	-	36	-	-	157	-	-	157	-	-	157	-	-	133	-	515	133	93	-	133	-	-	44	-	-	44	-	-	44	-	**515**	**93**
KR	-	105	-	-	111	-	-	120	-	-	155	-	-	120	-	-	109	-	-	106	-	-	85	-	-	66	-	-	66	-	-	70	-	-	90	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**515**		**93**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**515**	**93**
JOINT USE RECOVERY PROJECT																																					
SWP	-	301	-	-	258	-	-	309	-	-	324	-	-	300	-	-	297	-	-	281	-	-	303	-	-	315	-	-	230	-	-	223	-	-	283	-	**0**	**0**
FK	-	36	-	-	36	-	-	36	-	-	157	-	-	157	-	-	157	-	-	133	-	1,839	133	332	-	133	-	-	44	-	-	44	-	-	44	-	**1,839**	**332**
KR	-	105	-	-	111	-	-	120	-	-	155	-	-	120	-	-	109	-	-	106	-	-	85	-	-	66	-	-	66	-	-	70	-	-	90	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,839**		**332**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,839**	**332**
KERN RIVER CHANNEL																																					
SWP	-	301	-	-	258	-	-	309	-	-	324	-	-	300	-	-	297	-	-	281	-	-	303	-	-	315	-	-	230	-	-	223	-	-	283	-	**0**	**0**
FK	-	36	-	-	36	-	-	36	-	-	157	-	-	157	-	-	157	-	-	133	-	-	133	-	-	133	-	-	44	-	-	44	-	-	44	-	**0**	**0**
KR	-	105	-	-	111	-	-	120	-	-	155	-	-	120	-	-	109	-	-	106	-	-	85	-	-	66	-	-	66	-	-	70	-	-	90	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	AVG TDS
																																				37,428	**3,847**	**76 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2010

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2010**

PROJECT/SOURCE	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	SALT LOAD (TONS)
BERRENDA MESA																																						
SWP	-	332	-	-	230	-	-	271	-	-	215	-	-	144	-	-	260	-	-	192	-	-	260	-	-	246	-	-	244	-	-	162	-	-	229	-	**0**	**0**
FK	-	23	-	-	23	-	-	23	-	-	25	-	-	25	-	-	25	-	-	39	-	-	39	-	-	39	-	-	19	-	-	19	-	-	19	-	**0**	**0**
KR	-	107	-	-	106	-	-	109	-	-	125	-	-	124	-	-	124	-	-	98	-	-	95	-	-	79	-	-	66	-	-	63	-	-	72	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
2800 ACRES																																						
SWP	-	332	-	-	230	-	-	271	-	-	215	-	-	144	-	-	260	-	-	192	-	-	260	-	-	246	-	-	244	-	-	162	-	-	229	-	**0**	**0**
FK	-	23	-	-	23	-	-	23	-	-	25	-	-	25	-	-	25	-	-	39	-	-	39	-	-	39	-	-	19	-	-	19	-	-	19	-	**0**	**0**
KR	-	107	-	-	106	-	-	109	-	-	125	-	-	124	-	-	124	-	-	98	-	-	95	-	-	79	-	-	66	-	-	63	-	-	72	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
KERN WATER BANK																																						
SWP	-	332	-	-	230	-	-	271	-	-	215	-	-	144	-	-	260	-	-	192	-	-	260	-	-	246	-	-	244	-	-	162	-	1,125	229	350	**1,125**	**350**
FK	-	23	-	-	23	-	-	23	-	-	25	-	-	25	-	-	25	-	-	39	-	-	39	-	-	39	-	-	19	-	-	19	-	-	19	-	**0**	**0**
KR	-	107	-	-	106	-	-	109	-	-	125	-	-	124	-	-	124	-	-	98	-	-	95	-	-	79	-	-	66	-	-	63	-	-	72	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**1,125**		**350**	**1,125**	**350**
PIONEER PROPERTY																																						
SWP	-	332	-	-	230	-	-	271	-	-	215	-	-	144	-	-	260	-	-	192	-	-	260	-	-	246	-	-	244	-	-	162	-	-	229	-	**0**	**0**
FK	-	23	-	-	23	-	-	23	-	-	25	-	-	25	-	-	25	-	-	39	-	-	39	-	-	39	-	-	19	-	-	19	-	-	19	-	**0**	**0**
KR	-	107	-	-	106	-	-	109	-	-	125	-	-	124	-	-	124	-	-	98	-	-	95	-	-	79	-	-	66	-	-	63	-	-	72	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
BUENA VISTA PROPERTY[1]																																						
SWP	-	332	-	-	230	-	-	271	-	-	215	-	-	144	-	-	260	-	-	192	-	-	260	-	-	246	-	-	244	-	-	162	-	-	229	-	**0**	**0**
FK	-	23	-	-	23	-	-	23	-	-	25	-	-	25	-	-	25	-	-	39	-	-	39	-	-	39	-	-	19	-	-	19	-	-	19	-	**0**	**0**
KR	19	107	3	82	106	12	140	109	21	888	125	151	1,493	124	252	411	124	69	657	98	88	1,050	95	136	12,190	79	1,309	21,930	66	1,967	11,284	63	966	294	72	29	**50,438**	**5,001**
TOTALS	**19**		**3**	**82**		**12**	**140**		**21**	**888**		**151**	**1,493**		**252**	**411**		**69**	**657**		**88**	**1,050**		**136**	**12,190**		**1,309**	**21,930**		**1,967**	**11,284**		**966**	**294**		**29**	**50,438**	**5,001**
KDWD PROJECT																																						
SWP										-	215	-	-	144	-	-	260	-	-	192	-	-	260	-	-	246	-	1,857	244	616	10,078	162	2,219	15,292	229	4,759	**27,227**	**7,594**
FK										-	25	-	-	25	-	-	25	-	-	39	-	-	39	-	-	39	-	-	19	-	-	19	-	-	19	-	-	**0**	**0**
KR										-	125	-	-	124	-	-	124	-	-	98	-	-	95	-	-	79	-	-	66	-	-	63	-	-	72	-	-	**0**	**0**
TOTALS					**Data added January 2010**					**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,857**		**616**	**10,078**		**2,219**	**15,292**		**4,759**	**27,227**	**7,594**
RRBWSD PROJECTS (INCLUDING STRAND)																																						
SWP	-	332	-	-	230	-	-	271	-	-	215	-	-	144	-	-	260	-	-	192	-	69	260	24	670	246	224	5,556	244	1,842	10,054	162	2,214	159	229	49	**16,508**	**4,354**
FK	-	23	-	-	23	-	-	23	-	-	25	-	3,957	25	134	1,881	25	64	1,097	39	58	5,695	39	302	3,473	39	184	6,318	19	163	603	19	16	12,063	19	311	**35,087**	**1,233**
KR	-	107	-	-	106	-	-	109	-	-	125	-	-	124	-	-	124	-	2,555	98	340	8,144	95	1,051	-	79	-	-	66	-	-	63	-	-	72	-	**10,699**	**1,392**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**3,957**		**134**	**1,881**		**64**	**3,652**		**398**	**13,908**		**1,378**	**4,143**		**408**	**11,874**		**2,006**	**10,657**		**2,229**	**12,222**		**361**	**62,294**	**6,978**
JOINT USE RECOVERY PROJECT																																						
SWP	-	332	-	-	230	-	-	271	-	-	215	-	-	144	-	-	260	-	-	192	-	8	260	3	60	246	20	994	244	330	1,455	162	320	20	229	6	**2,537**	**679**
FK	-	23	-	-	23	-	-	23	-	-	25	-	2,400	25	82	950	25	32	1,332	39	71	1,536	39	81	470	39	25	1,594	19	41	348	19	9	1,968	19	51	**10,598**	**392**
KR	-	107	-	-	106	-	-	109	-	-	125	-	44	124	7	-	124	-	568	98	76	1,016	95	131	-	79	-	-	66	-	-	63	-	-	72	-	**1,628**	**214**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**2,444**		**89**	**950**		**32**	**1,900**		**146**	**2,560**		**215**	**530**		**45**	**2,588**		**371**	**1,803**		**329**	**1,988**		**57**	**14,763**	**1,285**
KERN RIVER CHANNEL																																						
SWP	-	332	-	-	230	-	-	271	-	-	215	-	-	144	-	-	260	-	-	192	-	-	260	-	-	246	-	-	244	-	-	162	-	-	229	-	**0**	**0**
FK	-	23	-	-	23	-	-	23	-	-	25	-	-	25	-	-	25	-	-	39	-	-	39	-	-	39	-	-	19	-	-	19	-	-	19	-	**0**	**0**
KR	-	107	-	-	106	-	-	109	-	-	125	-	-	124	-	-	124	-	-	98	-	-	95	-	-	79	-	-	66	-	-	63	-	-	72	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**
WEST KERN WATER DISTRICT																																						
SWP										-	215	-	-	144	-	-	260	-	-	192	-	266	260	94	391	246	131	2,137	244	709	676	162	149	2,949	229	918	**6,419**	**2,000**
FK										-	25	-	-	25	-	-	25	-	-	39	-	-	39	-	-	39	-	-	19	-	-	19	-	-	19	-	-	**0**	**0**
KR										7	125	1	7	124	1	132	124	22	229	98	31	4,534	95	585	6,331	79	680	5,518	66	495	6,438	63	551	-	72	-	**23,196**	**2,366**
TOTALS					**Data added January 2010**					**7**		**1**	**0**		**1**	**0**		**22**	**229**		**31**	**4,800**		**679**	**6,722**		**810**	**7,655**		**1,204**	**7,114**		**700**	**2,949**		**918**	**29,615**	**4,366**	AVG TDS
																																					185,462	**25,575**	**101 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources: SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2011

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2011**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA																																							
SWP	-	269	-	-	237	-	1,047	291	414	3,306	144	647	1,639	171	381	1,406	172	329	36	105	5	-	136	-	-	156	-	-	135	-	1,277	158	274	3,540	120	577	**12,251**	**2,627**
FK	-	22	-	-	22	-	-	22	-	-	127	-	1,695	127	293	2,382	127	411	1,302	47	83	818	47	52	-	47	-	-	19	-	-	19	-	-	19	-	**6,197**	**839**
KR	-	74	-	-	94	-	-	110	-	-	105	-	-	118	-	-	108	-	740	96	97	2,172	88	260	2,243	63	192	3,291	43	192	1,880	52	133	-	60	-	**10,326**	**874**
TOTALS	**0**		**0**	**0**		**0**	**1,047**		**414**	**3,306**		**647**	**3,334**		**673**	**3,788**		**740**	**2,078**		**185**	**2,990**		**312**	**2,243**		**192**	**3,291**		**192**	**3,157**		**407**	**3,540**		**577**	**28,774**	**4,340**
2800 ACRES																																						
SWP	-	269	-	-	237	-	1,107	291	438	2,612	144	511	3,818	171	887	8,191	172	1,915	159	105	23	-	136	-	-	156	-	2,303	135	423	1,193	158	256	176	120	29	**19,559**	**4,481**
FK	-	22	-	-	22	-	-	22	-	-	127	-	1,636	127	282	1,967	127	340	1,735	47	111	25	47	2	-	47	-	-	19	-	-	19	-	-	19	-	**5,363**	**734**
KR	-	74	-	-	94	-	-	110	-	-	105	-	-	118	-	-	108	-	-	96	-	158	88	19	121	63	10	5,641	43	330	3,206	52	227	831	60	68	**9,957**	**653**
TOTALS	**0**		**0**	**0**		**0**	**1,107**		**438**	**2,612**		**511**	**5,454**		**1,170**	**10,158**		**2,254**	**1,894**		**134**	**183**		**20**	**121**		**10**	**7,944**		**752**	**4,399**		**483**	**1,007**		**96**	**34,879**	**5,869**
KERN WATER BANK																																						
SWP	11,284	269	4,125	4,532	237	1,460	16,190	291	6,403	48,408	144	9,474	27,454	171	6,380	37,081	172	8,668	32,578	105	4,649	-	136	-	19,000	156	4,028	36,975	135	6,784	32,292	158	6,934	41,837	120	6,823	**307,631**	**65,729**
FK	-	22	-	-	22	-	-	22	-	-	127	-	1,163	127	201	1,265	127	218	16,809	47	1,074	14,003	47	894	8,672	47	554	494	19	13	-	19	-	-	19	-	**42,406**	**2,954**
KR	-	74	-	-	94	-	-	110	-	1,483	105	212	1,549	118	248	1,938	108	284	7,978	96	1,041	24,687	88	2,953	23,391	63	2,003	9,410	43	550	1,049	52	74	2,757	60	225	**74,242**	**7,590**
TOTALS	**11,284**		**4,125**	**4,532**		**1,460**	**16,190**		**6,403**	**49,891**		**9,685**	**30,166**		**6,829**	**40,284**		**9,171**	**57,365**		**6,764**	**38,690**		**3,847**	**51,063**		**6,585**	**46,879**		**7,347**	**33,341**		**7,008**	**44,594**		**7,048**	**424,279**	**76,272**
PIONEER PROPERTY																																						
SWP	-	269	-	-	237	-	10,056	291	3,977	22,992	144	4,500	12,153	171	2,824	11,614	172	2,715	1,964	105	280	-	136	-	284	156	60	6,047	135	1,109	7,456	158	1,601	7,687	120	1,254	**80,253**	**18,321**
FK	-	22	-	-	22	-	-	22	-	-	127	-	242	127	42	1,911	127	330	3,348	47	214	4,915	47	314	2,498	47	160	-	19	-	-	19	-	-	19	-	**12,914**	**1,059**
KR	-	74	-	-	94	-	-	110	-	-	105	-	-	118	-	-	108	-	6,549	96	854	9,442	88	1,129	10,048	63	860	5,965	43	349	2,519	52	178	4,630	60	378	**39,153**	**3,748**
TOTALS	**0**		**0**	**0**		**0**	**10,056**		**3,977**	**22,992**		**4,500**	**12,395**		**2,866**	**13,525**		**3,045**	**11,861**		**1,349**	**14,357**		**1,443**	**12,830**		**1,080**	**12,012**		**1,458**	**9,975**		**1,779**	**12,317**		**1,631**	**132,320**	**23,128**
BUENA VISTA PROPERTY[1]																																						
SWP	-	269	-	-	237	-	-	291	-	151	144	30	-	171	-	-	172	-	-	105	-	-	136	-	-	156	-	-	135	-	-	158	-	-	120	-	**151**	**30**
FK	-	22	-	-	22	-	-	22	-	-	127	-	-	127	-	-	127	-	-	47	-	-	47	-	-	47	-	-	19	-	-	19	-	-	19	-	**0**	**0**
KR	27	74	3	118	94	15	200	110	30	762	105	109	7,754	118	1,244	940	108	138	8,592	96	1,121	11,941	88	1,428	6,939	63	594	6,553	43	383	6,772	52	479	506	60	41	**51,104**	**5,584**
TOTALS	**27**		**3**	**118**		**15**	**200**		**30**	**913**		**138**	**7,754**		**1,244**	**940**		**138**	**8,592**		**1,121**	**11,941**		**1,428**	**6,939**		**594**	**6,553**		**383**	**6,772**		**479**	**506**		**41**	**51,255**	**5,614**
KDWD PROJECT																																						
SWP	17,029	269	6,226	17,018	237	5,481	12,029	291	4,757	-	144	-	4,283	171	995	5,609	172	1,311	10,588	105	1,511	7,126	136	1,317	2,922	156	620	4,262	135	782	11,028	158	2,368	11,127	120	1,815	**103,021**	**27,183**
FK	-	22	-	-	22	-	-	22	-	-	127	-	-	127	-	-	127	-	-	47	-	-	47	-	-	47	-	-	19	-	-	19	-	-	19	-	**0**	**0**
KR	-	74	-	-	94	-	-	110	-	-	105	-	-	118	-	-	108	-	-	96	-	-	88	-	-	63	-	-	43	-	-	52	-	-	60	-	**0**	**0**
TOTALS	**17,029**		**6,226**	**17,018**		**5,481**	**12,029**		**4,757**	**0**		**0**	**4,283**		**995**	**5,609**		**1,311**	**10,588**		**1,511**	**7,126**		**1,317**	**2,922**		**620**	**4,262**		**782**	**11,028**		**2,368**	**11,127**		**1,815**	**103,021**	**27,183**
RRBWSD PROJECTS (INCLUDING STRAND)																																						
SWP	1,277	269	467	13,713	237	4,417	18,250	291	7,218	7,212	144	1,411	1,698	171	395	422	172	99	-	105	-	-	136	-	141	156	30	2,351	135	431	5,799	158	1,245	4,925	120	803	**55,788**	**16,516**
FK	20,759	22	621	2,254	22	67	-	22	-	-	127	-	8,614	127	1,487	12,814	127	2,212	3,705	47	237	-	47	-	2,637	47	168	2,253	19	58	-	19	-	1,492	19	39	**54,528**	**4,888**
KR	-	74	-	-	94	-	1,745	110	261	17,759	105	2,534	6,373	118	1,022	6,207	108	911	14,340	96	1,871	17,794	88	2,128	15,612	63	1,337	14,457	43	845	13,674	52	966	2,684	60	219	**110,645**	**12,094**
TOTALS	**22,036**		**1,088**	**15,967**		**4,484**	**19,995**		**7,479**	**24,971**		**3,946**	**16,685**		**2,903**	**19,443**		**3,221**	**18,045**		**2,108**	**17,794**		**2,128**	**18,390**		**1,535**	**19,061**		**1,334**	**19,473**		**2,212**	**9,101**		**1,061**	**220,961**	**33,498**
JOINT USE RECOVERY PROJECT																																						
SWP	146	269	53	1,720	237	554	1,960	291	775	1,666	144	326	-	171	-	-	172	-	-	105	-	-	136	-	-	156	-	-	135	-	2,254	158	484	-	120	-	**7,746**	**2,193**
FK	2,716	22	81	572	22	17	-	22	-	1,292	127	223	2,237	127	386	2,665	127	460	1,143	47	73	-	47	-	2,152	47	137	1,664	19	43	-	19	-	1,196	19	31	**15,637**	**1,452**
KR	-	74	-	-	94	-	444	110	66	361	105	52	-	118	-	-	108	-	-	96	-	2,114	88	253	-	63	-	-	43	-	-	52	-	-	60	-	**2,919**	**371**
TOTALS	**2,862**		**135**	**2,292**		**571**	**2,404**		**842**	**3,319**		**601**	**2,237**		**386**	**2,665**		**460**	**1,143**		**73**	**2,114**		**253**	**2,152**		**137**	**1,664**		**43**	**2,254**		**484**	**1,196**		**31**	**26,302**	**4,015**
KERN RIVER CHANNEL																																						
SWP	-	269	-	-	237	-	-	291	-	135	144	26	626	171	145	1,762	172	412	12	105	2	-	136	-	-	156	-	234	135	43	1	158	0	37	120	6	**2,807**	**635**
FK	-	22	-	-	22	-	-	22	-	-	127	-	1,712	127	295	925	127	160	1,409	47	90	733	47	47	-	47	-	-	19	-	-	19	-	-	19	-	**4,779**	**592**
KR	-	74	-	-	94	-	-	110	-	-	105	-	541	118	87	-	108	-	71	96	9	-	88	-	-	63	-	1,424	43	83	2,792	52	197	532	60	43	**5,360**	**420**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**135**		**26**	**2,879**		**528**	**2,687**		**572**	**1,492**		**101**	**733**		**47**	**0**		**0**	**1,658**		**126**	**2,793**		**198**	**569**		**49**	**12,946**	**1,647**
WEST KERN WATER DISTRICT																																						
SWP	4,675	269	1,709	-	237	-	-	291	-	1,773	144	347	6,173	171	1,435	4,352	172	1,017	643	105	92	-	136	-	-	156	-	3,160	135	580	-	158	-	3,545	120	578	**24,321**	**5,758**
FK	-	22	-	-	22	-	-	22	-	-	127	-	-	127	-	-	127	-	-	47	-	-	47	-	-	47	-	-	19	-	-	19	-	-	19	-	**0**	**0**
KR	-	74	-	-	94	-	93	110	14	4,907	105	700	4,133	118	663	5,349	108	785	4,954	96	646	4,318	88	516	5,096	63	436	3,520	43	206	-	52	-	-	60	-	**32,370**	**3,967**
TOTALS	**4,675**		**1,709**	**0**		**0**	**93**		**14**	**6,680**		**1,047**	**10,306**		**2,097**	**9,701**		**1,802**	**5,597**		**738**	**4,318**		**516**	**5,096**		**436**	**6,680**		**785**	**0**		**0**	**3,545**		**578**	**56,691**	**9,725**	AVG TDS
																																				1,091,428	**191,290**	**129 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2012

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2012**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA																																							
SWP	1,224	127	211	3,555	127	614	2,766	180	677	159	322	70	-	330	-	-	250	-	-	298	-	-	252	-	-	233	-	-	192	-	-	190	-	-	253	-	**7,704**	**1,571**
FK	-	19	-	-	19	-	762	19	20	385	22	12	-	22	-	-	22	-	-	196	-	-	196	-	-	196	-	-	174	-	-	174	-	-	174	-	**1,147**	**31**
KR	1,216	69	114	-	94	-	-	94	-	-	103	-	-	114	-	-	118	-	-	104	-	-	74	-	-	71	-	-	87	-	-	87	-	-	87	-	**1,216**	**114**
TOTALS	**2,440**		**325**	**3,555**		**614**	**3,528**		**696**	**544**		**81**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**10,067**	**1,716**
2800 ACRES																																							
SWP	1,190	127	205	3,922	127	677	5,096	180	1,247	-	322	-	-	330	-	-	250	-	-	298	-	-	252	-	-	233	-	-	192	-	-	190	-	-	253	-	**10,208**	**2,129**
FK	-	19	-	-	19	-	519	19	13	700	22	21	1,039	22	31	-	22	-	-	196	-	-	196	-	-	196	-	-	174	-	-	174	-	-	174	-	**2,258**	**65**
KR	1,559	69	146	-	94	-	-	94	-	-	103	-	-	114	-	-	118	-	-	104	-	-	74	-	-	71	-	-	87	-	-	87	-	-	87	-	**1,559**	**146**
TOTALS	**2,749**		**352**	**3,922**		**677**	**5,615**		**1,260**	**700**		**21**	**1,039**		**31**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**14,025**	**2,341**
KERN WATER BANK																																							
SWP	29,572	127	5,104	28,561	127	4,930	10,706	180	2,619	-	322	-	1,554	330	697	-	250	-	-	298	-	-	252	-	-	233	-	-	192	-	-	190	-	-	253	-	**70,393**	**13,350**
FK	-	19	-	633	19	16	14,174	19	366	7,456	22	223	-	22	-	-	22	-	-	196	-	-	196	-	-	196	-	-	174	-	-	174	-	-	174	-	**22,263**	**605**
KR	582	69	55	-	94	-	-	94	-	-	103	-	-	114	-	-	118	-	-	104	-	-	74	-	-	71	-	-	87	-	-	87	-	-	87	-	**582**	**55**
TOTALS	**30,154**		**5,159**	**29,194**		**4,946**	**24,880**		**2,985**	**7,456**		**223**	**1,554**		**697**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**93,238**	**14,010**
PIONEER PROPERTY																																							
SWP	5,312	127	917	7,847	127	1,354	4,091	180	1,001	121	322	53	-	330	-	-	250	-	-	298	-	-	252	-	-	233	-	-	192	-	-	190	-	-	253	-	**17,371**	**3,325**
FK	-	19	-	835	19	22	1,506	19	39	1,718	22	51	952	22	28	-	22	-	-	196	-	-	196	-	-	196	-	-	174	-	-	174	-	-	174	-	**5,011**	**140**
KR	4,911	69	461	-	94	-	-	94	-	-	103	-	-	114	-	-	118	-	-	104	-	-	74	-	-	71	-	-	87	-	-	87	-	-	87	-	**4,911**	**461**
TOTALS	**10,223**		**1,377**	**8,682**		**1,376**	**5,597**		**1,040**	**1,839**		**104**	**952**		**28**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**27,293**	**3,926**
BUENA VISTA PROPERTY[1]																																							
SWP	-	127	-	-	127	-	-	180	-	312	322	137	331	330	148	-	250	-	8	298	3	1,789	252	613	3,382	233	1,071	3,718	192	970	2,570	190	664	170	253	58	**12,280**	**3,664**
FK	-	19	-	-	19	-	-	19	-	-	22	-	-	22	-	-	22	-	-	196	-	-	196	-	-	196	-	-	174	-	-	174	-	-	174	-	**0**	**0**
KR	-	69	-	-	94	-	1,517	94	194	-	103	-	-	114	-	-	118	-	-	104	-	454	74	46	8,281	71	799	8,792	87	1,040	5,194	87	614	-	87	-	**24,238**	**2,692**
TOTALS	**0**		**0**	**0**		**0**	**1,517**		**194**	**312**		**137**	**331**		**148**	**0**		**0**	**8**		**3**	**2,243**		**658**	**11,663**		**1,870**	**12,510**		**2,010**	**7,764**		**1,278**	**170**		**58**	**36,518**	**6,356**
KDWD PROJECT																																							
SWP	2,606	127	450	543	127	94	2,019	180	494	4,250	322	1,860	7,742	330	3,472	5,402	250	1,835	-	298	-	-	252	-	2,028	233	642	24,089	192	6,286	30,023	190	7,753	12,439	253	4,277	**91,141**	**27,163**
FK	-	19	-	-	19	-	-	19	-	-	22	-	-	22	-	-	22	-	-	196	-	-	196	-	-	196	-	-	174	-	-	174	-	-	174	-	**0**	**0**
KR	-	69	-	-	94	-	-	94	-	-	103	-	-	114	-	-	118	-	-	104	-	-	74	-	-	71	-	-	87	-	-	87	-	-	87	-	**0**	**0**
TOTALS	**2,606**		**450**	**543**		**94**	**2,019**		**494**	**4,250**		**1,860**	**7,742**		**3,472**	**5,402**		**1,835**	**0**		**0**	**0**		**0**		**2,028**		**642**	**24,089**		**6,286**	**30,023**		**7,753**	**12,439**		**4,277**	**91,141**	**27,163**
RRBWSD PROJECTS (INCLUDING STRAND)																																							
SWP	11,882	127	2,051	24,541	127	4,236	19,611	180	4,797	1,009	322	442	92	330	41	-	250	-	-	298	-	-	252	-	226	233	72	554	192	145	230	190	59	-	253	-	**58,145**	**11,843**
FK	1,430	19	37	-	19	-	-	19	-	8,124	22	243	9,775	22	292	-	22	-	-	196	-	-	196	-	-	196	-	-	174	-	-	174	-	-	174	-	**19,329**	**572**
KR	241	69	23	-	94	-	-	94	-	910	103	127	387	114	60	1,342	118	215	3,238	104	458	-	74	-	-	71	-	-	87	-	-	87	-	-	87	-	**6,118**	**883**
TOTALS	**13,553**		**2,110**	**24,541**		**4,236**	**19,611**		**4,797**	**10,043**		**812**	**10,254**		**393**	**1,342**		**215**	**3,238**		**458**	**0**		**0**		**226**		**72**	**554**		**145**	**230**		**59**	**0**		**0**	**83,592**	**13,297**
JOINT USE RECOVERY PROJECT																																							
SWP	627	127	108	1,665	127	287	498	180	122	-	322	-	-	330	-	-	250	-	-	298	-	-	252	-	-	233	-	-	192	-	-	190	-	-	253	-	**2,790**	**517**
FK	2,059	19	53	-	19	-	1,072	19	28	1,391	22	42	1,072	22	32	-	22	-	-	196	-	-	196	-	-	196	-	-	174	-	-	174	-	-	174	-	**5,594**	**154**
KR	-	69	-	-	94	-	-	94	-	-	103	-	-	114	-	417	118	67	1,034	104	146	-	74	-	-	71	-	-	87	-	-	87	-	-	87	-	**1,451**	**213**
TOTALS	**2,686**		**161**	**1,665**		**287**	**1,570**		**150**	**1,391**		**42**	**1,072**		**32**	**417**		**67**	**1,034**		**146**	**0**		**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**9,835**	**885**
KERN RIVER CHANNEL																																							
SWP	50	127	9	14	127	2	361	180	88	-	322	-	-	330	-	-	250	-	-	298	-	-	252	-	-	233	-	-	192	-	-	190	-	-	253	-	**425**	**99**
FK	-	19	-	503	19	13	3,038	19	78	200	22	6	-	22	-	-	22	-	-	196	-	-	196	-	-	196	-	-	174	-	-	174	-	-	174	-	**3,741**	**97**
KR	2,928	69	275	-	94	-	-	94	-	-	103	-	-	114	-	-	118	-	-	104	-	-	74	-	-	71	-	-	87	-	-	87	-	-	87	-	**2,928**	**275**
TOTALS	**2,978**		**283**	**517**		**15**	**3,399**		**167**	**200**		**6**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**7,094**	**471**
WEST KERN WATER DISTRICT																																							
SWP	5,753	127	993	5,230	127	903	6,547	180	1,602	10,477	322	4,585	2,154	330	966	-	250	-	5	298	2	-	252	-	-	233	-	-	192	-	-	190	-	-	253	-	**30,166**	**9,050**
FK	-	19	-	-	19	-	-	19	-	-	22	-	-	22	-	-	22	-	-	196	-	-	196	-	-	196	-	-	174	-	-	174	-	-	174	-	**0**	**0**
KR	-	69	-	-	94	-	-	94	-	-	103	-	-	114	-	80	118	13	165	104	23	28	74	3	-	71	-	-	87	-	-	87	-	-	87	-	**273**	**39**
TOTALS	**5,753**		**993**	**5,230**		**903**	**6,547**		**1,602**	**10,477**		**4,585**	**2,154**		**966**	**80**		**13**	**170**		**25**	**28**		**3**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**30,439**	**9,089**	AVG TDS
																																						403,242	**79,255**	**145 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2013

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2013**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA																																							
SWP	2,588	334	1,175	3,136	258	1,100	26	269	10	-	301	-	-	318	-	-	289	-	-	272	-	-	284	-	-	276	-	-	190	-	-	262	-	-	325	-	**5,750**	**2,284**
FK	-	303	-	-	303	-	-	303	-	-	44	-	-	44	-	-	44	-	-	167	-	-	167	-	-	167	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR	-	148	-	-	148	-	-	148	-	-	122	-	-	122	-	-	122	-	-	110	-	-	110	-	-	110	-	-	99	-	-	99	-	-	99	-	**0**	**0**
TOTALS	**2,588**		**1,175**	**3,136**		**1,100**	**26**		**10**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**5,750**	**2,284**
2800 ACRES																																						
SWP	-	334	-	-	258	-	-	269	-	-	301	-	-	318	-	-	289	-	-	272	-	-	284	-	-	276	-	-	190	-	-	262	-	-	325	-	**0**	**0**
FK	-	303	-	-	303	-	-	303	-	-	44	-	-	44	-	-	44	-	-	167	-	-	167	-	-	167	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR	-	148	-	-	148	-	-	148	-	-	122	-	-	122	-	-	122	-	-	110	-	-	110	-	-	110	-	-	99	-	-	99	-	-	99	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
KERN WATER BANK																																						
SWP	-	334	-	-	258	-	-	269	-	-	301	-	-	318	-	-	289	-	-	272	-	-	284	-	-	276	-	-	190	-	-	262	-	-	325	-	**0**	**0**
FK	-	303	-	-	303	-	-	303	-	-	44	-	-	44	-	-	44	-	-	167	-	-	167	-	-	167	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR	-	148	-	-	148	-	-	148	-	-	122	-	-	122	-	-	122	-	-	110	-	-	110	-	-	110	-	-	99	-	-	99	-	-	99	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
PIONEER PROPERTY																																						
SWP	-	334	-	-	258	-	-	269	-	-	301	-	-	318	-	-	289	-	-	272	-	-	284	-	-	276	-	-	190	-	-	262	-	-	325	-	**0**	**0**
FK	-	303	-	-	303	-	-	303	-	-	44	-	-	44	-	-	44	-	-	167	-	-	167	-	-	167	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR	-	148	-	-	148	-	-	148	-	-	122	-	-	122	-	-	122	-	-	110	-	-	110	-	-	110	-	-	99	-	-	99	-	-	99	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
BUENA VISTA PROPERTY[1]																																						
SWP	-	334	-	-	258	-	-	269	-	-	301	-	369	318	159	21	289	8	16	272	6	32	284	12	4,330	276	1,624	126	190	33	-	262	-	-	325	-	**4,894**	**1,843**
FK	-	303	-	-	303	-	-	303	-	-	44	-	-	44	-	-	44	-	-	167	-	-	167	-	-	167	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR	-	148	-	-	148	-	100	148	20	-	122	-	66	122	11	-	122	-	-	110	-	167	110	25	1,952	110	292	7,374	99	992	1,644	99	221	35	99	5	**11,338**	**1,566**
TOTALS	**0**		**0**	**0**		**0**	**100**		**20**	**0**		**0**	**435**		**170**	**21**		**8**	**16**		**6**	**199**		**37**	**6,282**		**1,916**	**7,500**		**1,025**	**1,644**		**221**	**35**		**5**	**16,232**	**3,409**
KDWD PROJECT																																						
SWP	10,486	334	4,760	8,340	258	2,924	4,801	269	1,755	-	301	-	-	318	-	-	289	-	-	272	-	-	284	-	-	276	-	-	190	-	-	262	-	-	325	-	**23,627**	**9,439**
FK	-	303	-	-	303	-	-	303	-	-	44	-	-	44	-	-	44	-	-	167	-	-	167	-	-	167	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR	-	148	-	-	148	-	-	148	-	-	122	-	-	122	-	-	122	-	-	110	-	-	110	-	-	110	-	-	99	-	-	99	-	-	99	-	**0**	**0**
TOTALS	**10,486**		**4,760**	**8,340**		**2,924**	**4,801**		**1,755**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**23,627**	**9,439**
RRBWSD PROJECTS (INCLUDING STRAND)																																						
SWP	-	334	-	-	258	-	2,980	269	1,089	-	301	-	-	318	-	-	289	-	-	272	-	-	284	-	-	276	-	-	190	-	-	262	-	-	325	-	**2,980**	**1,089**
FK	-	303	-	-	303	-	-	303	-	-	44	-	-	44	-	-	44	-	-	167	-	-	167	-	-	167	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR	-	148	-	-	148	-	-	148	-	-	122	-	-	122	-	-	122	-	-	110	-	-	110	-	-	110	-	-	99	-	-	99	-	-	99	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**2,980**		**1,089**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**2,980**	**1,089**
JOINT USE RECOVERY PROJECT																																						
SWP	-	334	-	-	258	-	905	269	331	-	301	-	-	318	-	-	289	-	-	272	-	-	284	-	-	276	-	-	190	-	-	262	-	-	325	-	**905**	**331**
FK	-	303	-	542	303	223	1,195	303	492	-	44	-	-	44	-	-	44	-	-	167	-	-	167	-	-	167	-	-	233	-	-	233	-	-	233	-	**1,737**	**715**
KR	-	148	-	-	148	-	-	148	-	-	122	-	-	122	-	-	122	-	-	110	-	-	110	-	-	110	-	-	99	-	-	99	-	-	99	-	**0**	**0**
TOTALS	**0**		**0**	**542**		**223**	**2,100**		**823**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**2,642**	**1,046**
KERN RIVER CHANNEL																																						
SWP	-	334	-	-	258	-	18	269	7	-	301	-	-	318	-	-	289	-	-	272	-	-	284	-	-	276	-	-	190	-	-	262	-	-	325	-	**18**	**7**
FK	-	303	-	-	303	-	-	303	-	-	44	-	-	44	-	-	44	-	-	167	-	-	167	-	-	167	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR	-	148	-	-	148	-	-	148	-	-	122	-	-	122	-	-	122	-	-	110	-	-	110	-	-	110	-	-	99	-	-	99	-	-	99	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**18**		**7**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**18**	**7**
WEST KERN WATER DISTRICT																																						
SWP	2,500	334	1,135	-	258	-	-	269	-	-	301	-	-	318	-	-	289	-	-	272	-	-	284	-	-	276	-	-	190	-	-	262	-	-	325	-	**2,500**	**1,135**
FK	-	303	-	-	303	-	-	303	-	-	44	-	-	44	-	-	44	-	-	167	-	-	167	-	-	167	-	-	233	-	-	233	-	-	233	-	**0**	**0**
KR	-	148	-	-	148	-	-	148	-	-	122	-	-	122	-	34	122	6	93	110	14	54	110	8	118	110	18	86	99	12	-	99	-	-	99	-	**385**	**57**
TOTALS	**2,500**		**1,135**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**34**		**6**	**93**		**14**	**54**		**8**	**118**		**18**	**86**		**12**	**0**		**0**	**0**		**0**	**2,885**	**1,192**	AVG TDS
																																					54,134	**18,466**	**251 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2014

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2014**

PROJECT/SOURCE	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	SALT LOAD (TONS)
BERRENDA MESA																																						
SWP	-	336	-	-	345	-	-	345	-	-	335	-	-	276	-	-	259	-	-	241	-	-	231	-	-	327	-	-	330	-	-	369	-	-	326	-	**0**	**0**
FK	-	234	-	-	234	-	-	234	-	-	73	-	-	73	-	-	73	-	-	136	-	-	136	-	-	136	-	-	99	-	-	99	-	-	99	-	**0**	**0**
KR	-	166	-	-	166	-	-	166	-	-	162	-	-	162	-	-	162	-	-	126	-	-	126	-	-	126	-	-	102	-	-	102	-	-	102	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
2800 ACRES																																						
SWP	-	336	-	-	345	-	-	345	-	-	335	-	-	276	-	-	259	-	-	241	-	-	231	-	-	327	-	-	330	-	-	369	-	-	326	-	**0**	**0**
FK	-	234	-	-	234	-	-	234	-	-	73	-	-	73	-	-	73	-	-	136	-	-	136	-	-	136	-	-	99	-	-	99	-	-	99	-	**0**	**0**
KR	-	166	-	-	166	-	-	166	-	-	162	-	-	162	-	-	162	-	-	126	-	-	126	-	-	126	-	-	102	-	-	102	-	-	102	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
KERN WATER BANK																																						
SWP	-	336	-	-	345	-	-	345	-	-	335	-	-	276	-	-	259	-	-	241	-	-	231	-	-	327	-	-	330	-	-	369	-	-	326	-	**0**	**0**
FK	-	234	-	-	234	-	-	234	-	-	73	-	-	73	-	-	73	-	-	136	-	-	136	-	-	136	-	-	99	-	-	99	-	-	99	-	**0**	**0**
KR	-	166	-	-	166	-	-	166	-	-	162	-	-	162	-	-	162	-	-	126	-	-	126	-	-	126	-	-	102	-	-	102	-	-	102	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
PIONEER PROPERTY																																						
SWP	-	336	-	-	345	-	-	345	-	-	335	-	-	276	-	-	259	-	-	241	-	-	231	-	-	327	-	-	330	-	-	369	-	-	326	-	**0**	**0**
FK	-	234	-	-	234	-	-	234	-	-	73	-	-	73	-	-	73	-	-	136	-	-	136	-	-	136	-	-	99	-	-	99	-	-	99	-	**0**	**0**
KR	-	166	-	-	166	-	-	166	-	-	162	-	-	162	-	-	162	-	-	126	-	-	126	-	-	126	-	-	102	-	-	102	-	-	102	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
BUENA VISTA PROPERTY[1]																																						
SWP	-	336	-	-	345	-	-	345	-	-	335	-	-	276	-	-	259	-	-	241	-	-	231	-	-	327	-	-	330	-	-	369	-	-	326	-	**0**	**0**
FK	-	234	-	-	234	-	-	234	-	-	73	-	-	73	-	-	73	-	-	136	-	-	136	-	-	136	-	-	99	-	-	99	-	-	99	-	**0**	**0**
KR	-	166	-	-	166	-	-	166	-	-	162	-	-	162	-	-	162	-	-	126	-	-	126	-	-	126	-	-	102	-	-	102	-	-	102	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**
KDWD PROJECT																																						
SWP	-	336	-	-	345	-	-	345	-	-	335	-	-	276	-	-	259	-	-	241	-	-	231	-	-	327	-	-	330	-	-	369	-	-	326	-	**0**	**0**
FK	-	234	-	-	234	-	-	234	-	-	73	-	-	73	-	-	73	-	-	136	-	-	136	-	-	136	-	-	99	-	-	99	-	-	99	-	**0**	**0**
KR	-	166	-	-	166	-	-	166	-	-	162	-	-	162	-	-	162	-	-	126	-	-	126	-	-	126	-	-	102	-	-	102	-	-	102	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**
RRBWSD PROJECTS (INCLUDING STRAND)																																						
SWP	-	336	-	-	345	-	-	345	-	-	335	-	-	276	-	-	259	-	-	241	-	-	231	-	-	327	-	-	330	-	-	369	-	-	326	-	**0**	**0**
FK	-	234	-	-	234	-	-	234	-	-	73	-	-	73	-	-	73	-	-	136	-	-	136	-	-	136	-	-	99	-	-	99	-	-	99	-	**0**	**0**
KR	-	166	-	-	166	-	-	166	-	-	162	-	-	162	-	-	162	-	-	126	-	-	126	-	-	126	-	-	102	-	-	102	-	-	102	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**
JOINT USE RECOVERY PROJECT																																						
SWP	-	336	-	-	345	-	-	345	-	-	335	-	-	276	-	-	259	-	-	241	-	-	231	-	-	327	-	-	330	-	-	369	-	-	326	-	**0**	**0**
FK	-	234	-	-	234	-	-	234	-	-	73	-	-	73	-	-	73	-	-	136	-	-	136	-	-	136	-	-	99	-	-	99	-	-	99	-	**0**	**0**
KR	-	166	-	-	166	-	-	166	-	-	162	-	-	162	-	-	162	-	-	126	-	-	126	-	-	126	-	-	102	-	-	102	-	-	102	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**
KERN RIVER CHANNEL																																						
SWP	-	336	-	-	345	-	-	345	-	-	335	-	-	276	-	-	259	-	-	241	-	-	231	-	-	327	-	-	330	-	-	369	-	-	326	-	**0**	**0**
FK	-	234	-	-	234	-	-	234	-	-	73	-	-	73	-	-	73	-	-	136	-	-	136	-	-	136	-	-	99	-	-	99	-	-	99	-	**0**	**0**
KR	-	166	-	-	166	-	-	166	-	-	162	-	-	162	-	-	162	-	-	126	-	-	126	-	-	126	-	-	102	-	-	102	-	-	102	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**
WEST KERN WATER DISTRICT																																						
SWP	-	336	-	-	345	-	-	345	-	-	335	-	-	276	-	-	259	-	-	241	-	-	231	-	-	327	-	-	330	-	-	369	-	-	326	-	**0**	**0**
FK	-	234	-	-	234	-	-	234	-	-	73	-	-	73	-	-	73	-	-	136	-	-	136	-	-	136	-	-	99	-	-	99	-	-	99	-	**0**	**0**
KR	-	166	-	-	166	-	78	166	18	45	162	10	91	162	20	14	162	3	-	126	-	-	126	-	-	126	-	-	102	-	-	102	-	-	102	-	**228**	**51**
TOTALS	**0**		**0**	**0**		**0**	**78**		**18**	**45**		**10**	**91**		**20**	**14**		**3**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**228**	**51**	AVG TDS
																																				228	**51**	**163 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources:
SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2015

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2015**

	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
PROJECT/SOURCE	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**SALT LOAD (TONS)**
BERRENDA MESA																																					
SWP	-	336	-	-	289	-	-	417	-	-	243	-	-	243	-	-	306	-	-	289	-	-	306	-	-	315	-	-	348	-	-	327	-	-	400	-	**0**	**0**
FK	-	174	-	-	174	-	-	174	-	-	208	-	-	208	-	-	208	-	-	349	-	-	349	-	-	349	-	-	380	-	-	380	-	-	380	-	**0**	**0**
KR	-	150	-	-	150	-	-	150	-	-	163	-	-	163	-	-	163	-	-	152	-	-	152	-	-	152	-	-	133	-	-	133	-	-	133	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
2800 ACRES																																					
SWP	-	336	-	-	289	-	-	417	-	-	243	-	-	243	-	-	306	-	-	289	-	-	306	-	-	315	-	-	348	-	-	327	-	-	400	-	**0**	**0**
FK	-	174	-	-	174	-	-	174	-	-	208	-	-	208	-	-	208	-	-	349	-	-	349	-	-	349	-	-	380	-	-	380	-	-	380	-	**0**	**0**
KR	-	150	-	-	150	-	-	150	-	-	163	-	-	163	-	-	163	-	-	152	-	-	152	-	-	152	-	-	133	-	-	133	-	-	133	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
KERN WATER BANK																																					
SWP	-	336	-	-	289	-	-	417	-	-	243	-	-	243	-	-	306	-	-	289	-	-	306	-	-	315	-	-	348	-	-	327	-	-	400	-	**0**	**0**
FK	-	174	-	-	174	-	-	174	-	-	208	-	-	208	-	-	208	-	-	349	-	-	349	-	-	349	-	-	380	-	-	380	-	-	380	-	**0**	**0**
KR	-	150	-	-	150	-	-	150	-	-	163	-	-	163	-	-	163	-	-	152	-	-	152	-	-	152	-	-	133	-	-	133	-	-	133	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
PIONEER PROPERTY																																					
SWP	-	336	-	-	289	-	-	417	-	-	243	-	-	243	-	-	306	-	-	289	-	-	306	-	-	315	-	-	348	-	-	327	-	-	400	-	**0**	**0**
FK	-	174	-	-	174	-	-	174	-	-	208	-	-	208	-	-	208	-	-	349	-	-	349	-	-	349	-	-	380	-	-	380	-	-	380	-	**0**	**0**
KR	-	150	-	-	150	-	-	150	-	-	163	-	-	163	-	-	163	-	-	152	-	-	152	-	-	152	-	-	133	-	-	133	-	-	133	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
BUENA VISTA PROPERTY[1]																																					
SWP	-	336	-	-	289	-	-	417	-	-	243	-	-	243	-	-	306	-	-	289	-	-	306	-	-	315	-	-	348	-	-	327	-	-	400	-	**0**	**0**
FK	-	174	-	-	174	-	-	174	-	-	208	-	-	208	-	-	208	-	-	349	-	-	349	-	-	349	-	-	380	-	-	380	-	-	380	-	**0**	**0**
KR	-	150	-	-	150	-	-	150	-	-	163	-	-	163	-	-	163	-	-	152	-	-	152	-	-	152	-	-	133	-	-	133	-	-	133	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
KDWD PROJECT																																					
SWP	-	336	-	-	289	-	-	417	-	-	243	-	-	243	-	-	306	-	-	289	-	-	306	-	-	315	-	-	348	-	-	327	-	-	400	-	**0**	**0**
FK	-	174	-	-	174	-	-	174	-	-	208	-	-	208	-	-	208	-	-	349	-	-	349	-	-	349	-	-	380	-	-	380	-	-	380	-	**0**	**0**
KR	-	150	-	-	150	-	-	150	-	-	163	-	-	163	-	-	163	-	-	152	-	-	152	-	-	152	-	-	133	-	-	133	-	-	133	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
RRBWSD PROJECTS (INCLUDING STRAND)																																					
SWP	-	336	-	-	289	-	-	417	-	-	243	-	-	243	-	-	306	-	-	289	-	-	306	-	-	315	-	-	348	-	-	327	-	-	400	-	**0**	**0**
FK	-	174	-	-	174	-	-	174	-	-	208	-	-	208	-	-	208	-	-	349	-	-	349	-	-	349	-	-	380	-	-	380	-	-	380	-	**0**	**0**
KR	-	150	-	-	150	-	-	150	-	-	163	-	-	163	-	-	163	-	-	152	-	-	152	-	-	152	-	-	133	-	-	133	-	-	133	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
JOINT USE RECOVERY PROJECT																																					
SWP	-	336	-	-	289	-	-	417	-	-	243	-	-	243	-	-	306	-	-	289	-	-	306	-	-	315	-	-	348	-	-	327	-	-	400	-	**0**	**0**
FK	-	174	-	-	174	-	-	174	-	-	208	-	-	208	-	-	208	-	-	349	-	-	349	-	-	349	-	-	380	-	-	380	-	-	380	-	**0**	**0**
KR	-	150	-	-	150	-	-	150	-	-	163	-	-	163	-	-	163	-	-	152	-	-	152	-	-	152	-	-	133	-	-	133	-	-	133	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
KERN RIVER CHANNEL																																					
SWP	-	336	-	-	289	-	-	417	-	-	243	-	-	243	-	-	306	-	-	289	-	-	306	-	-	315	-	-	348	-	-	327	-	-	400	-	**0**	**0**
FK	-	174	-	-	174	-	-	174	-	-	208	-	-	208	-	-	208	-	-	349	-	-	349	-	-	349	-	-	380	-	-	380	-	-	380	-	**0**	**0**
KR	-	150	-	-	150	-	-	150	-	-	163	-	-	163	-	-	163	-	-	152	-	-	152	-	-	152	-	-	133	-	-	133	-	-	133	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
WEST KERN WATER DISTRICT																																					
SWP	-	336	-	-	289	-	-	417	-	-	243	-	-	243	-	-	306	-	-	289	-	-	306	-	-	315	-	-	348	-	-	327	-	-	400	-	**0**	**0**
FK	-	174	-	-	174	-	-	174	-	-	208	-	-	208	-	-	208	-	-	349	-	-	349	-	-	349	-	-	380	-	-	380	-	-	380	-	**0**	**0**
KR	111	150	23	12	150	2	-	150	-	-	163	-	-	163	-	-	163	-	-	152	-	-	152	-	-	152	-	-	133	-	-	133	-	-	133	-	**123**	**25**
TOTALS	**111**		**23**	**12**		**2**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**123**	**25**	AVG TDS
																																				123	**25**	**150 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources: SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2016

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2016**

	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
PROJECT/SOURCE	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	SALT LOAD (TONS)
BERRENDA MESA																																					
SWP	-	311	-	-	351	-	-	365	-	-		-	-		-	-	281	-	-	272	-	-	332	-	-	306	-	-	217	-	-	155	-	-	217	-	**0**	**0**
FK	-	125	-	-	125	-	-	125	-	-	181	-	-	181	-	-	181	-	-	31	-	-	31	-	-	31	-	-	20	-	-	20	-	-	20	-	**0**	**0**
KR	-	214	-	-	214	-	-	214	-	-	172	-	-	172	-	-	172	-	-	115	-	-	115	-	-	115	-	-	66	-	-	66	-	-	66	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
2800 ACRES																																					
SWP	-	311	-	-	351	-	-	365	-	-		-	-		-	-	281	-	-	272	-	-	332	-	-	306	-	-	217	-	-	155	-	-	217	-	**0**	**0**
FK	-	125	-	-	125	-	-	125	-	-	181	-	-	181	-	-	181	-	-	31	-	-	31	-	-	31	-	-	20	-	-	20	-	-	20	-	**0**	**0**
KR	-	214	-	-	214	-	-	214	-	-	172	-	-	172	-	-	172	-	-	115	-	-	115	-	-	115	-	-	66	-	-	66	-	-	66	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
KERN WATER BANK																																					
SWP	-	311	-	-	351	-	-	365	-	-		-	-		-	-	281	-	-	272	-	-	332	-	-	306	-	-	217	-	-	155	-	-	217	-	**0**	**0**
FK	-	125	-	-	125	-	-	125	-	-	181	-	-	181	-	-	181	-	-	31	-	-	31	-	-	31	-	-	20	-	-	20	-	-	20	-	**0**	**0**
KR	-	214	-	-	214	-	-	214	-	-	172	-	-	172	-	-	172	-	-	115	-	-	115	-	-	115	-	-	66	-	-	66	-	-	66	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
PIONEER PROPERTY																																					
SWP	-	311	-	-	351	-	-	365	-	-		-	-		-	-	281	-	-	272	-	-	332	-	-	306	-	-	217	-	-	155	-	-	217	-	**0**	**0**
FK	-	125	-	-	125	-	-	125	-	-	181	-	-	181	-	-	181	-	-	31	-	-	31	-	-	31	-	-	20	-	-	20	-	-	20	-	**0**	**0**
KR	-	214	-	-	214	-	-	214	-	-	172	-	-	172	-	-	172	-	-	115	-	-	115	-	-	115	-	-	66	-	-	66	-	-	66	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
BUENA VISTA PROPERTY[1]																																					
SWP	-	311	-	-	351	-	-	365	-	-		-	428		-	147	281	56	101	272	37	436	332	197	17,870	306	7,432	17,974	217	5,301	10,496	155	2,211	1,556	217	459	**49,008**	**15,693**
FK	-	125	-	-	125	-	-	125	-	-	181	-	-	181	-	-	181	-	-	31	-	-	31	-	-	31	-	-	20	-	-	20	-	-	20	-	**0**	**0**
KR	-	214	-	-	214	-	-	214	-	-	172	-	-	172	-	-	172	-	-	115	-	-	115	-	-	115	-	-	66	-	-	66	-	-	66	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**428**		**0**	**147**		**56**	**101**		**37**	**436**		**197**	**17,870**		**7,432**	**17,974**		**5,301**	**10,496**		**2,211**	**1,556**		**459**	**49,008**	**15,693**
KDWD PROJECT																																					
SWP	-	311	-	-	351	-	-	365	-	-		-	-		-	-	281	-	-	272	-	-	332	-	-	306	-	-	217	-	-	155	-	-	217	-	**0**	**0**
FK	-	125	-	-	125	-	-	125	-	-	181	-	-	181	-	-	181	-	-	31	-	-	31	-	-	31	-	-	20	-	-	20	-	-	20	-	**0**	**0**
KR	-	214	-	-	214	-	-	214	-	-	172	-	-	172	-	-	172	-	-	115	-	-	115	-	-	115	-	-	66	-	-	66	-	-	66	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**
RRBWSD PROJECTS (INCLUDING STRAND)																																					
SWP	-	311	-	-	351	-	-	365	-	-		-	-		-	-	281	-	-	272	-	-	332	-	-	306	-	-	217	-	-	155	-	-	217	-	**0**	**0**
FK	-	125	-	-	125	-	-	125	-	-	181	-	-	181	-	1,041	181	256	850	31	36	-	31	-	-	31	-	-	20	-	-	20	-	-	20	-	**1,891**	**292**
KR	-	214	-	-	214	-	-	214	-	-	172	-	-	172	-	-	172	-	-	115	-	-	115	-	-	115	-	-	66	-	-	66	-	-	66	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,041**		**256**	**850**		**36**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,891**	**292**
JOINT USE RECOVERY PROJECT																																					
SWP	-	311	-	-	351	-	-	365	-	-		-	-		-	-	281	-	-	272	-	-	332	-	-	306	-	-	217	-	-	155	-	-	217	-	**0**	**0**
FK	-	125	-	-	125	-	-	125	-	-	181	-	-	181	-	1,601	181	394	625	31	26	-	31	-	-	31	-	-	20	-	-	20	-	-	20	-	**2,226**	**420**
KR	-	214	-	-	214	-	-	214	-	-	172	-	-	172	-	-	172	-	-	115	-	-	115	-	-	115	-	-	66	-	-	66	-	-	66	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**1,601**		**394**	**625**		**26**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**2,226**	**420**
KERN RIVER CHANNEL																																					
SWP	-	311	-	-	351	-	-	365	-	-		-	-		-	-	281	-	-	272	-	-	332	-	-	306	-	-	217	-	-	155	-	-	217	-	**0**	**0**
FK	-	125	-	-	125	-	-	125	-	-	181	-	-	181	-	-	181	-	-	31	-	-	31	-	-	31	-	-	20	-	-	20	-	-	20	-	**0**	**0**
KR	-	214	-	-	214	-	-	214	-	-	172	-	-	172	-	-	172	-	-	115	-	-	115	-	-	115	-	-	66	-	-	66	-	-	66	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**
WEST KERN WATER DISTRICT																																					
SWP	-	311	-	-	351	-	-	365	-	-		-	-		-	-	281	-	-	272	-	-	332	-	-	306	-	-	217	-	-	155	-	-	217	-	**0**	**0**
FK	-	125	-	-	125	-	-	125	-	-	181	-	-	181	-	-	181	-	-	31	-	-	31	-	-	31	-	-	20	-	-	20	-	-	20	-	**0**	**0**
KR	-	214	-	-	214	-	-	214	-	-	172	-	-	172	-	50	172	12	-	115	-	-	115	-	-	115	-	-	66	-	-	66	-	-	66	-	**50**	**12**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**50**		**12**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**50**	**12**
																																				53,175	**16,416**	AVG TDS **227 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources: SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Table 2B-2017

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2017**

	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
PROJECT/SOURCE	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	SALT LOAD (TONS)
BERRENDA MESA																																						
SWP	-	320	-	-	309	-	-	280	-	815	286	317	1,321	147	264	-	125	-	-	148	-	-	90	-	-	74	-	-	93	-	2,555	122	424	2,712	124	457	**7,403**	**1,461**
FK	-	28	-	-	28	-	-	28	-	3,467	74	349	2,168	74	218	-	74	-	-	42	-	-	42	-	-	42	-	-	18	-	-	18	-	-	18	-	**5,635**	**567**
KR	-	119	-	-	119	-	-	119	-	-	164	-	991	164	221	4,919	164	1,096	3,138	90	384	3,189	90	390	3,184	90	389	3,122	46	195	654	46	41	704	46	44	**19,901**	**2,761**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**4,282**		**665**	**4,480**		**703**	**4,919**		**1,096**	**3,138**		**384**	**3,189**		**390**	**3,184**		**389**	**3,122**		**195**	**3,209**		**465**	**3,416**		**501**	**32,939**	**4,789**
2800 ACRES																																						
SWP	-	320	-	-	309	-	-	280	-	42	286	16	-	147	-	-	125	-	-	148	-	-	90	-	-	74	-	-	93	-	3,724	122	617	6,662	124	1,123	**10,428**	**1,757**
FK	-	28	-	-	28	-	-	28	-	763	74	77	-	74	-	-	74	-	-	42	-	-	42	-	-	42	-	-	18	-	-	18	-	234	18	6	**997**	**82**
KR	-	119	-	-	119	-	-	119	-	-	164	-	-	164	-	-	164	-	-	90	-	-	90	-	-	90	-	-	46	-	2,501	46	156	3,136	46	196	**5,637**	**352**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**805**		**93**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**6,225**		**774**	**10,032**		**1,324**	**17,062**	**2,191**
KERN WATER BANK																																						
SWP	-	320	-	-	309	-	-	280	-	39,966	286	15,535	55,977	147	11,183	7,289	125	1,238	6,250	148	1,257	1,406	90	172	1,638	74	165	24,997	93	3,159	54,642	122	9,060	40,600	124	6,842	**232,765**	**48,612**
FK	-	28	-	-	28	-	-	28	-	-	74	-	316	74	32	1,426	74	143	85	42	5	-	42	-	871	42	50	-	18	-	-	18	-	-	18	-	**2,698**	**230**
KR	-	119	-	-	119	-	-	119	-	-	164	-	12,709	164	2,833	60,634	164	13,515	52,020	90	6,363	54,902	90	6,715	49,831	90	6,095	26,773	46	1,674	1,948	46	122	250	46	16	**259,067**	**37,332**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**39,966**		**15,535**	**69,002**		**14,048**	**69,349**		**14,896**	**58,355**		**7,625**	**56,308**		**6,887**	**52,340**		**6,310**	**51,770**		**4,833**	**56,590**		**9,182**	**40,850**		**6,858**	**494,530**	**86,173**
PIONEER PROPERTY																																						
SWP	-	320	-	-	309	-	-	280	-	12,908	286	5,017	9,022	147	1,802	-	125	-	647	148	130	-	90	-	10	74	1	4,201	93	531	9,676	122	1,604	8,626	124	1,454	**45,090**	**10,540**
FK	-	28	-	-	28	-	-	28	-	4,564	74	459	929	74	93	1,067	74	107	-	42	-	-	42	-	48	42	3	-	18	-	1,304	18	32	1,141	18	28	**9,053**	**722**
KR	-	119	-	-	119	-	-	119	-	795	164	177	9,885	164	2,203	20,101	164	4,480	19,075	90	2,333	19,969	90	2,443	18,718	90	2,290	15,056	46	941	6,550	46	409	4,161	46	260	**114,310**	**15,537**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**18,267**		**5,653**	**19,836**		**4,099**	**21,168**		**4,588**	**19,722**		**2,463**	**19,969**		**2,443**	**18,776**		**2,293**	**19,257**		**1,472**	**17,530**		**2,046**	**13,928**		**1,742**	**168,453**	**26,799**
BUENA VISTA PROPERTY[1]																																						
SWP	392	320	170	79	309	33	64	280	24	5,584	286	2,170	7,424	147	1,483	-	125	-	-	148	-	-	90	-	-	74	-	-	93	-	1,910	122	317	11,667	124	1,966	**27,120**	**6,165**
FK	-	28	-	-	28	-	-	28	-	-	74	-	-	74	-	-	74	-	-	42	-	-	42	-	-	42	-	-	18	-	-	18	-	-	18	-	**0**	**0**
KR	-	119	-	-	119	-	-	119	-	201	164	45	7,550	164	1,683	18,978	164	4,230	14,841	90	1,815	16,541	90	2,023	13,056	90	1,597	5,416	46	339	1,392	46	87	87	46	5	**78,062**	**11,824**
TOTALS	**392**		**170**	**79**		**33**	**64**		**24**	**5,785**		**2,215**	**14,974**		**3,166**	**18,978**		**4,230**	**14,841**		**1,815**	**16,541**		**2,023**	**13,056**		**1,597**	**5,416**		**339**	**3,302**		**404**	**11,754**		**1,972**	**105,182**	**17,989**
KDWD PROJECT																																						
SWP	-	320	-	-	309	-	-	280	-	-	286	-	-	147	-	-	125	-	3,368	148	677	3,537	90	433	3,241	74	326	10,621	93	1,342	6,213	122	1,030	6,502	124	1,096	**33,482**	**4,904**
FK	-	28	-	-	28	-	-	28	-	-	74	-	783	74	79	498	74	50	-	42	-	-	42	-	-	42	-	-	18	-	-	18	-	-	18	-	**1,281**	**129**
KR	-	119	-	-	119	-	-	119	-	6,544	164	1,459	16,174	164	3,605	24,039	164	5,358	15,247	90	1,865	14,909	90	1,824	10,254	90	1,254	10,420	46	651	9,542	46	597	4,114	46	257	**111,243**	**16,870**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**6,544**		**1,459**	**16,957**		**3,684**	**24,537**		**5,408**	**18,615**		**2,542**	**18,446**		**2,256**	**13,495**		**1,580**	**21,041**		**1,994**	**15,755**		**1,627**	**10,616**		**1,353**	**146,006**	**21,903**
RRBWSD PROJECTS (INCLUDING STRAND)																																						
SWP	-	320	-	-	309	-	-	280	-	2,386	286	927	9,796	147	1,957	8,893	125	1,511	8,147	148	1,639	-	90	-	-	74	-	-	93	-	1,599	122	265	12,048	124	2,030	**42,869**	**8,330**
FK	-	28	-	-	28	-	-	28	-	10,681	74	1,074	5,553	74	558	-	74	-	-	42	-	-	42	-	-	42	-	-	18	-	7,694	18	188	4,221	18	103	**28,149**	**1,924**
KR	-	119	-	-	119	-	-	119	-	6,697	164	1,493	14,412	164	3,212	19,770	164	4,406	19,514	90	2,387	25,618	90	3,134	27,041	90	3,308	27,407	46	1,713	14,873	46	930	3,666	46	229	**158,998**	**20,812**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**19,764**		**3,494**	**29,761**		**5,728**	**28,663**		**5,917**	**27,661**		**4,026**	**25,618**		**3,134**	**27,041**		**3,308**	**27,407**		**1,713**	**24,166**		**1,383**	**19,935**		**2,363**	**230,016**	**31,065**
JOINT USE RECOVERY PROJECT																																						
SWP	-	320	-	-	309	-	-	280	-	-	286	-	-	147	-	-	125	-	-	148	-	1,944	90	238	-	74	-	-	93	-	-	122	-	-	124	-	**1,944**	**238**
FK	-	28	-	-	28	-	-	28	-	4,617	74	464	4,264	74	429	1,109	74	112	1,548	42	88	-	42	-	-	42	-	6,679	18	163	7,853	18	192	3,579	18	88	**29,649**	**1,536**
KR	-	119	-	-	119	-	-	119	-	-	164	-	-	164	-	6,946	164	1,548	5,965	90	730	5,457	90	667	7,778	90	951	2,164	46	135	-	46	-	-	46	-	**28,310**	**4,032**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**4,617**		**464**	**4,264**		**429**	**8,055**		**1,660**	**7,513**		**818**	**7,401**		**905**	**7,778**		**951**	**8,843**		**299**	**7,853**		**192**	**3,579**		**88**	**59,903**	**5,806**
IMPROVEMENT DISTRICT NO. 4																																						
SWP										205	286	80	408	147	82	-	125	-	-	148	-	-	90	-	-	74	-	-	93	-	-	122	-	-	124	-	**613**	**161**
GW										107	219	32	-		-	-		-	-		-	-		-	-		-	-		-	-		-	-		-	-		**107**	**32**
FK										2,950	74	297	369	74	37	-	74	-	-	42	-	-	42	-	-	42	-	-	18	-	-	18	-	-	18	-	**3,319**	**334**
KR										0	164	0	373	164	83	7,154	164	1,595	119	90	15	5,703	90	698	4,982	90	609	4,946	46	309	765	46	48	1,553	46	97	**25,595**	**3,453**
TOTALS				**Data added January 2017**						**3,262**		**408**	**1,150**		**202**	**7,154**		**1,595**	**119**		**15**	**5,703**		**698**	**4,982**		**609**	**4,946**		**309**	**765**		**48**	**1,553**		**97**	**29,634**	**3,980**
KERN RIVER CHANNEL																																						
SWP	-	320	-	-	309	-	-	280	-	-	286	-	392	147	78	-	125	-	-	148	-	-	90	-	-	74	-	-	93	-	-	122	-	-	124	-	**392**	**78**
FK	-	28	-	-	28	-	-	28	-	4,421	74	445	3,069	74	309	-	74	-	-	42	-	-	42	-	-	42	-	-	18	-	-	18	-	-	18	-	**7,490**	**753**
KR	-	119	-	-	119	-	-	119	-	-	164	-	2,969	164	662	1,061	164	236	-	90	-	-	90	-	-	90	-	-	46	-	10,929	46	683	11,221	46	702	**26,180**	**2,283**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**4,421**		**445**	**6,430**		**1,049**	**1,061**		**236**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**10,929**		**683**	**11,221**		**702**	**34,062**	**3,115**
WEST KERN WATER DISTRICT																																						
SWP	3,005	320	1,307	4,277	309	1,796	4,381	280	1,667	3,346	286	1,301	3,087	147	617	-	125	-	-	148	-	-	90	-	-	74	-	316	93	40	1,324	122	220	3,496	124	589	**23,232**	**7,536**
FK	-	28	-	-	28	-	-	28	-	-	74	-	-	74	-	-	74	-	-	42	-	-	42	-	-	42	-	-	18	-	-	18	-	-	18	-	**0**	**0**
KR	-	119	-	-	119	-	-	119	-	3,220	164	718	6,103	164	1,360	5,157	164	1,149	3,690	90	451	4,345	90	531	3,669	90	449	1,473	46	92	2,457	46	154	543	46	34	**30,657**	**4,339**
TOTALS	**3,005**		**1,307**	**4,277**		**1,796**	**4,381**		**1,667**	**6,566**		**2,018**	**9,190**		**1,977**	**0**		**1,149**	**3,690**		**451**	**4,345**		**531**	**3,669**		**449**	**1,789**		**132**	**3,781**		**373**	**4,039**		**623**	**53,889**	**12,475**	AVG TDS
																																				1,371,676	**216,285**	**116 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources:
- SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
- FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
- KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
- GW - Volumetric average of TDS values of pumping well that feed recharge project.

Table 2B-2018

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2018**

	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
PROJECT/SOURCE	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**W. Q. TDS (MG/L)**	**SALT LOAD (TONS)**	**GROSS RECHARGE (AF)**	**SALT LOAD (TONS)**
BERRENDA MESA																																					
SWP	3,360	219	1,000	3,144	216	923	-	156	-	-	276	-	-	277	-	-	276	-	-	212	-	-	193	-	-	246	-	-	249	-	-	169	-	-	282	-	**6,504**	**1,923**
FK	-	23	-	314	23	10	-	23	-	-	24	-	-	24	-	-	24	-	-	32	-	-	32	-	-	32	-	-	61	-	-	61	-	-	61	-	**314**	**10**
KR	131	84	15	-	84	-	-	84	-	-	110	-	-	110	-	-	110	-	-	95	-	-	95	-	-	95	-	-	66	-	-	66	-	-	66	-	**131**	**15**
TOTALS	**3,491**		**1,015**	**3,458**		**933**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**6,949**	**1,948**
2800 ACRES																																					
SWP	6,819	219	2,030	6,945	216	2,039	1,912	156	405	-	276	-	-	277	-	-	276	-	-	212	-	-	193	-	-	246	-	-	249	-	-	169	-	-	282	-	**15,676**	**4,474**
FK	-	23	-	300	23	9	-	23	-	-	24	-	-	24	-	-	24	-	-	32	-	-	32	-	-	32	-	-	61	-	-	61	-	-	61	-	**300**	**9**
KR	3,499	84	399	-	84	-	-	84	-	-	110	-	-	110	-	-	110	-	-	95	-	-	95	-	-	95	-	-	66	-	-	66	-	-	66	-	**3,499**	**399**
TOTALS	**10,318**		**2,429**	**7,245**		**2,048**	**1,912**		**405**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**19,475**	**4,883**
KERN WATER BANK																																					
SWP	42,788	219	12,735	47,834	216	14,042	5,314	156	1,127	6,111	276	2,292	7,951	277	2,993	-	276	-	-	212	-	-	193	-	-	246	-	-	249	-	-	169	-	-	282	-	**109,998**	**33,190**
FK	106	23	3	522	23	16	11,349	23	355	-	24	-	-	24	-	-	24	-	-	32	-	-	32	-	-	32	-	-	61	-	-	61	-	-	61	-	**11,977**	**374**
KR	-	84	-	87	84	10	-	84	-	-	110	-	-	110	-	-	110	-	-	95	-	-	95	-	-	95	-	-	66	-	-	66	-	-	66	-	**87**	**10**
TOTALS	**42,894**		**12,739**	**48,443**		**14,068**	**16,663**		**1,481**	**6,111**		**2,292**	**7,951**		**2,993**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**122,062**	**33,574**
PIONEER PROPERTY																																					
SWP	6,905	219	2,055	11,959	216	3,511	4,549	156	964	-	276	-	-	277	-	-	276	-	-	212	-	-	193	-	-	246	-	-	249	-	-	169	-	-	282	-	**23,413**	**6,530**
FK	-	23	-	307	23	10	-	23	-	-	24	-	-	24	-	-	24	-	-	32	-	-	32	-	-	32	-	-	61	-	-	61	-	-	61	-	**307**	**10**
KR	6,653	84	760	198	84	23	-	84	-	-	110	-	-	110	-	-	110	-	-	95	-	-	95	-	-	95	-	-	66	-	-	66	-	-	66	-	**6,851**	**782**
TOTALS	**13,558**		**2,815**	**12,464**		**3,543**	**4,549**		**964**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**30,571**	**7,322**
BUENA VISTA PROPERTY[1]																																					
SWP	13,996	219	4,166	4,972	216	1,460	16	156	3	1	276	0	-	277	-	-	276	-	-	212	-	765	193	201	4,054	246	1,355	4,185	249	1,416	2,620	169	602	-	282	-	**30,609**	**9,203**
FK	-	23	-	-	23	-	-	23	-	-	24	-	-	24	-	-	24	-	-	32	-	-	32	-	-	32	-	-	18	-	-	18	-	-	18	-	**0**	**0**
KR	81	84	9	57	84	7	-	84	-	-	110	-	-	110	-	36	110	5	8	95	1	140	95	18	7	95	1	188	46	12	108	46	7	-	46	-	**625**	**60**
TOTALS	**14,077**		**4,175**	**5,029**		**1,466**	**16**		**3**	**1**		**0**	**0**		**0**	**36**		**5**	**8**		**1**	**905**		**219**	**4,061**		**1,356**	**4,373**		**1,428**	**2,728**		**609**	**0**		**0**	**31,234**	**9,263**
KDWD PROJECT																																					
SWP	5,115	219	1,522	5,631	216	1,653	2,969	156	629	-	276	-	-	277	-	-	276	-	-	212	-	-	193	-	-	246	-	-	249	-	-	169	-	-	282	-	**13,715**	**3,805**
FK	-	23	-	-	23	-	-	23	-	-	24	-	-	24	-	-	24	-	4,006	32	174	-	32	-	-	32	-	-	61	-	-	61	-	-	61	-	**4,006**	**174**
KR	52,424	84	5,985	3,650	84	417	557	84	64	86	110	13	430	110	64	1,676	110	251	524	95	68	93	95	12	1,565	95	202	1,539	66	138	1,439	66	129	697	66	63	**64,680**	**7,404**
TOTALS	**57,539**		**7,507**	**9,281**		**2,070**	**3,526**		**693**	**86**		**13**	**430**		**64**	**1,676**		**251**	**4,530**		**242**	**93**		**12**	**1,565**		**202**	**1,539**		**138**	**1,439**		**129**	**697**		**63**	**82,401**	**11,383**
RRBWSD PROJECTS (INCLUDING STRAND)																																					
SWP	20,864	219	6,210	1,638	216	481	9,349	156	1,982	10,761	276	4,036	5,431	277	2,045	-	276	-	-	212	-	-	193	-	-	246	-	-	249	-	-	169	-	8,395	282	3,217	**56,438**	**17,971**
FK	3,221	23	101	-	23	-	-	23	-	2,230	24	73	96	24	3	-	24	-	3,047	32	133	-	32	-	-	32	-	-	61	-	-	61	-	-	61	-	**8,594**	**309**
KR	-	84	-	-	84	-	-	84	-	-	110	-	-	110	-	-	110	-	-	95	-	-	95	-	3,883	95	501	652	66	58	-	66	-	-	66	-	**4,535**	**560**
TOTALS	**24,085**		**6,311**	**1,638**		**481**	**9,349**		**1,982**	**12,991**		**4,109**	**10,016**		**2,048**	**0**		**0**	**3,047**		**133**	**0**		**0**	**3,883**		**501**	**652**		**58**	**0**		**0**	**8,395**		**3,217**	**69,567**	**18,840**
JOINT USE RECOVERY PROJECT																																					
SWP	-	219	-	511	216	150	3,180	156	674	-	276	-	-	277	-	-	276	-	-	212	-	-	193	-	-	246	-	-	249	-	-	169	-	-	282	-	**3,691**	**824**
FK	4,014	23	125	-	23	-	-	23	-	3,060	24	100	817	24	27	-	24	-	3,154	32	137	-	32	-	-	32	-	-	61	-	-	61	-	-	61	-	**11,045**	**389**
KR	-	84	-	-	84	-	-	84	-	-	110	-	-	110	-	-	110	-	-	95	-	-	95	-	3,658	95	472	1,929	66	173	-	66	-	-	66	-	**5,587**	**645**
TOTALS	**4,014**		**125**	**511**		**150**	**3,180**		**674**	**3,060**		**100**	**817**		**27**	**0**		**0**	**3,154**		**137**	**0**		**0**	**3,658**		**472**	**1,929**		**173**	**0**		**0**	**0**		**0**	**20,323**	**1,859**
IMPROVEMENT DISTRICT NO. 4																																					
SWP	-	219	-	3,507	216	1,030	2,579	156	547	1,297	276	487	760	277	286	990	276	371	-	212	-	-	193	-	-	246	-	-	249	-	-	169	-	-	282	-	**9,133**	**2,720**
FK	-	23	-	-	23	-	-	23	-	-	24	-	152	24	5	-	24	-	-	32	-	-	32	-	-	32	-	-	61	-	-	61	-	-	61	-	**152**	**5**
KR	**1,360**	**84**	**155**	**1,370**	**84**	**156**	**1,282**	**84**	**146**	1,011	110	**151**	2	110	**0**	26	110	**4**	833	95	**108**	1,760	95	**227**	2,378	95	**307**	2,108	66	**189**	2,118	66	**190**	1,462	66	**131**	**15,710**	**1,765**
TOTALS	**1360**		**155.2603853**	**4877**		**1185.915355**	**3861**		**693.1430289**	**2,308**		**637.6521191**	**914**		**291.3687279**	**1,016**		**375.2397792**	**833**		**107.5501627**	**1,760**		**227.2368384**	**2,378**		**307.0279555**	**2,108**		**189.0849692**	**2,118**		**189.9819567**	**1,462**		**131.1395754**	**24,995**	**4,491**
KERN RIVER CHANNEL																																					
SWP	-	219	-	1,292	216	379	-	156	-	-	276	-	-	277	-	-	276	-	-	212	-	-	193	-	-	246	-	-	249	-	-	169	-	-	282	-	**1,292**	**379**
FK	-	23	-	-	23	-	-	23	-	-	24	-	-	24	-	-	24	-	-	32	-	-	32	-	-	32	-	-	61	-	-	61	-	-	61	-	**0**	**0**
KR	6,267	84	715	988	84	113	-	84	-	-	110	-	-	110	-	-	110	-	-	95	-	-	95	-	-	95	-	-	66	-	-	66	-	-	66	-	**7,255**	**828**
TOTALS	**6,267**		**715**	**2,280**		**492**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**8,547**	**1,208**
WEST KERN WATER DISTRICT																																					
SWP	2,005	219	597	-	216	-	1,554	156	329	2,793	276	1,048	4,671	277	1,758	-	276	-	-	212	-	-	193	-	-	246	-	-	249	-	-	169	-	-	282	-	**11,023**	**3,732**
FK	-	23	-	-	23	-	-	23	-	-	24	-	-	24	-	-	24	-	-	32	-	-	32	-	-	32	-	-	61	-	-	61	-	-	61	-	**0**	**0**
KR	-	84	-	-	84	-	-	84	-	-	110	-	-	110	-	548	110	82	1,547	95	200	1,108	95	143	398	95	51	-	66	-	-	66	-	3,993	66	358	**7,594**	**834**
TOTALS	**2,005**		**597**	**0**		**0**	**1,554**		**329**	**2,793**		**1,048**	**4,671**		**1,758**	**548**		**82**	**1,547**		**200**	**1,108**		**143**	**398**		**51**	**0**		**0**	**0**		**0**	**3,993**		**358**	**18,617**	**4,567**	AVG TDS
																																				434,741	**99,336**	**168 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources:
- SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
- FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
- KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
- GW - Volumetric average of TDS values of pumping well that feed recharge project.

Table 2B-2019

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2019**

PROJECT/SOURCE	OCTOBER			NOVEMBER			DECEMBER			JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			TOTALS	
	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	W. Q. TDS (MG/L)	SALT LOAD (TONS)	GROSS RECHARGE (AF)	SALT LOAD (TONS)
BERRENDA MESA																																						
SWP	-	297	-	-	295	-	-	289	-	-	359	-	2,289	396	1,232	2,756	143	536	-	185	-	-	273	-	-	71	-	-	205	-	254	241	83	1,581	119	256	**6,880**	**2,106**
FK	-	308	-	-	308	-	-	308	-	-	39	-	-	39	-	-	39	-	-	40	-	-	40	-	-	40	-	-	23	-	-	23	-	-	23	-	**0**	**0**
KR	-	137	-	-	137	-	-	137	-	-	160	-	-	160	-	-	160	-	528	95	68	1,420	95	183	2,865	95	370	3,094	68	286	2,755	68	255	1,394	68	129	**12,056**	**1,291**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**2,289**		**1,232**	**2,756**		**536**	**528**		**68**	**1,420**		**183**	**2,865**		**370**	**3,094**		**286**	**3,009**		**338**	**2,975**		**385**	**18,936**	**3,397**
2800 ACRES																																						
SWP	-	297	-	-	295	-	-	289	-	-	359	-	6,700	396	3,606	7,906	143	1,537	-	185	-	-	273	-	-	71	-	-	205	-		241	-	-	119	-	**14,606**	**5,142**
FK	-	308	-	-	308	-	-	308	-	-	39	-	24	39	1	-	39	-	-	40	-	-	40	-	-	40	-	-	23	-	-	23	-	-	23	-	**24**	**1**
KR	-	137	-	-	137	-	-	137	-	-	160	-	-	160	-	746	160	162	4,933	95	637	-	95	-	-	95	-	56	68	5		68	-	1,559	68	144	**7,294**	**948**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**6,724**		**3,607**	**8,652**		**1,699**	**4,933**		**637**	**0**		**0**	**0**		**0**	**56**		**5**	**0**		**0**	**1,559**		**144**	**21,924**	**6,092**
KERN WATER BANK																																						
SWP	-	297	-	-	295	-	-	289	-	2,520	359	1,230	37,253	396	20,049	57,542	143	11,183	6,590	185	1,657	317	273	118	-	71	-	11,362	205	3,166	41,337	241	13,539	7,544	119	1,220	**164,465**	**52,161**
FK	-	308	-	-	308	-	-	308	-	-	39	-	95	39	5	907	39	48	2,169	40	118	8,888	40	483	3,317	40	180	1,063	23	33	-	23	-	-	23	-	**16,439**	**868**
KR	-	137	-	-	137	-	-	137	-	-	160	-	-	160	-	-	160	-	30,437	95	3,930	28,514	95	3,681	28,925	95	3,735	30,929	68	2,858	-	68	-	2,336	68	216	**121,141**	**14,420**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**2,520**		**1,230**	**37,348**		**20,054**	**58,449**		**11,231**	**39,196**		**5,705**	**37,719**		**4,282**	**32,242**		**3,915**	**43,354**		**6,057**	**41,337**		**13,539**	**9,880**		**1,436**	**302,045**	**67,449**
PIONEER PROPERTY																																						
SWP	-	297	-	-	295	-	-	289	-	-	359	-	5,972	396	3,214	16,441	143	3,195	-	185	-	-	273	-	-	71	-	109	205	30	9,046	241	2,963	4,837	119	782	**36,405**	**10,185**
FK	-	308	-	-	308	-	-	308	-	-	39	-	5,175	39	274	-	39	-	1,578	40	86	2,464	40	134	-	40	-	-	23	-	-	23	-	-	23	-	**9,217**	**494**
KR	-	137	-	-	137	-	-	137	-	-	160	-	-	160	-	2,083	160	453	4,897	95	632	16,610	95	2,145	21,303	95	2,750	13,014	68	1,203	1,849	68	171	4,022	68	372	**63,778**	**7,726**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**11,147**		**3,488**	**18,524**		**3,648**	**6,475**		**718**	**19,074**		**2,278**	**21,303**		**2,750**	**13,123**		**1,233**	**10,895**		**3,134**	**8,859**		**1,154**	**109,400**	**18,404**
BUENA VISTA PROPERTY[1]																																						
SWP	-	297	-	-	295	-	-	289	-	-	359	-	10,888	396	5,860	22,822	143	4,435	-	185	-	-	273	-	-	71	-	1,537	205	428	2,203	241	722	894	119	145	**38,344**	**11,590**
FK	-	308	-	-	308	-	-	308	-	-	39	-	-	39	-	-	39	-	-	40	-	-	40	-	-	40	-	-	23	-	-	23	-	-	23	-	**0**	**0**
KR	-	137	-	-	137	-	-	137	-	-	160	-	-	160	-	330	160	72	13,880	95	1,792	7,205	95	930	13,113	95	1,693	-	68	-	-	68	-	94	68	9	**34,622**	**4,496**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**10,888**		**5,860**	**23,152**		**4,507**	**13,880**		**1,792**	**7,205**		**930**	**13,113**		**1,693**	**1,537**		**428**	**2,203**		**722**	**988**		**153**	**72,966**	**16,085**
KDWD PROJECT																																						
SWP	-	297	-	-	295	-	-	289	-	-	359	-	-	396	-	601	143	117	7,545	185	1,897	4,691	273	1,740	6,799	71	656	8,420	205	2,346	8,779	241	2,875	2,725	119	441	**39,560**	**10,072**
FK	-	308	-	-	308	-	-	308	-	-	39	-	-	39	-	-	39	-	-	40	-	-	40	-	-	40	-	-	23	-	-	23	-	-	23	-	**0**	**0**
KR	259	137	48	354	137	66	125	137	23	986	160	214	702	160	153	299	160	65	1,173	95	151	1,758	95	227	165	95	21	91	68	8	160	68	15	3,386	68	313	**9,458**	**1,305**
TOTALS	**259**		**48**	**354**		**66**	**125**		**23**	**986**		**214**	**702**		**153**	**900**		**182**	**8,718**		**2,048**	**6,449**		**1,967**	**6,964**		**677**	**8,511**		**2,354**	**8,939**		**2,890**	**6,111**		**754**	**49,018**	**11,378**
RRBWSD PROJECTS (INCLUDING STRAND)																																						
SWP	6,859	297	2,769	-	295	-	-	289	-	-	359	-	298	396	160	3,452	143	671	83	185	21	287	273	106	681	71	66	1,352	205	377	6,233	241	2,042	104	119	17	**19,349**	**6,228**
FK	-	308	-	-	308	-	-	308	-	-	39	-	8,731	39	463	15,140	39	802	20,273	40	1,102	10,676	40	580	-	40	-	62	23	2	-	23	-	-	23	-	**54,882**	**2,950**
KR	-	137	-	-	137	-	-	137	-	-	160	-	-	160	-	-	160	-	3,166	95	409	11,888	95	1,535	16,656	95	2,150	5,471	68	506	8,344	68	771	8,811	68	814	**54,336**	**6,185**
TOTALS	**6,859**		**2,769**	**0**		**0**	**0**		**0**	**0**		**0**	**9,029**		**623**	**18,592**		**1,473**	**23,522**		**1,532**	**22,851**		**2,222**	**17,337**		**2,216**	**6,885**		**884**	**14,577**		**2,813**	**8,915**		**831**	**128,567**	**15,363**
JOINT USE RECOVERY PROJECT																																						
SWP	-	297	-	-	295	-	-	289	-	-	359	-	-	396	-	-	143	-	-	185	-	-	273	-	-	71	-	-	205	-	-	241	-	-	119	-	**0**	**0**
FK	-	308	-	-	308	-	2,662	308	1,114	2,938	39	156	4,203	39	223	4,836	39	256	4,784	40	260	5,265	40	286	6,464	40	351	2,193	23	69	-	23	-	-	23	-	**33,345**	**2,715**
KR	-	137	-	-	137	-	-	137	-	-	160	-	-	160	-	-	160	-	-	95	-	-	95	-	1,346	95	174	-	68	-	3,784	68	350	2,987	68	276	**8,117**	**800**
TOTALS	**0**		**0**	**0**		**0**	**2,662**		**1,114**	**2,938**		**156**	**4,203**		**223**	**4,836**		**256**	**4,784**		**260**	**5,265**		**286**	**7,810**		**525**	**2,193**		**69**	**3,784**		**350**	**2,987**		**276**	**41,462**	**3,515**
IMPROVEMENT DISTRICT NO. 4																																						
SWP	-	297	-	-	295	-	-	289	-	291	359	142	4,449	396	2,394	8,326	143	1,618	16	185	4	-	273	-	-	71	-	-	205	-	157	241	51	633	119	102	**13,872**	**4,312**
FK	-	308	-	121	308	51	376	308	157	-	39	-	-	39	-	-	39	-	-	40	-	-	40	-	-	40	-	-	23	-	-	23	-	-	23	-	**497**	**208**
KR	946	137	176	738	137	137	444	137	83	0	160	-	0	160	-	0	160	-	1,715	95	221	5,032	95	650	2,789	95	360	3,415	68	316	1,767	68	163	1,017	68	94	**17,863**	**2,200**
TOTALS	**946**		**176**	**859**		**188**	**820**		**240**	**291**		**142**	**4,449**		**2,394**	**8,326**		**1,618**	**1,731**		**225**	**5,032**		**650**	**2,789**		**360**	**3,415**		**316**	**1,924**		**215**	**1,650**		**196**	**32,232**	**6,721**
KERN RIVER CHANNEL																																						
SWP	-	297	-	-	295	-	-	289	-	-	359	-	1	396	1	2,076	143	403	-	185	-	-	273	-	-	71	-	-	205	-	-	241	-	-	119	-	**2,077**	**404**
FK	-	308	-	-	308	-	-	308	-	-	39	-	4,212	39	223	-	39	-	1,067	40	58	-	40	-	-	40	-	-	23	-	-	23	-	-	23	-	**5,279**	**281**
KR	-	137	-	-	137	-	-	137	-	-	160	-	-	160	-	1,721	160	374	3,775	95	487	-	95	-	-	95	-	-	68	-	-	68	-	-	68	-	**5,496**	**862**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**4,213**		**224**	**3,797**		**778**	**4,842**		**545**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**12,852**	**1,547**
WEST KERN WATER DISTRICT																																						
SWP	446	297	180	5,766	295	2,312	1,182	289	464	-	359	-	1,705	396	918	773	143	150	-	185	-	-	273	-	-	71	-	-	205	-	1,484	241	486	2,016	119	326	**13,372**	**4,836**
FK	-	308	-	-	308	-	-	308	-	-	39	-	-	39	-	-	39	-	-	40	-	-	40	-	-	40	-	-	23	-	-	23	-	-	23	-	**0**	**0**
KR	-	137	-	-	137	-	-	137	-	-	160	-	-	160	-	24	160	5	1,743	95	225	2,249	95	290	3,957	95	511	786	68	73	182	68	17	47	68	4	**8,988**	**1,125**
TOTALS	**446**		**180**	**5,766**		**2,312**	**1,182**		**464**	**0**		**0**	**1,705**		**918**	**797**		**155**	**1,743**		**225**	**2,249**		**290**	**3,957**		**511**	**786**		**73**	**1,666**		**503**	**2,063**		**330**	**22,360**	**5,961**	AVG TDS
																																				811,762	**155,913**	**141 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources:
- SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
- FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
- KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
- GW - Volumetric average of TDS values of pumping well that feed recharge project.

Table 2B-2020

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2020**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA																																							
SWP	3,074	215	898	1,605	234	510	3,316	173	780	-	227	-	-	257	-	-	263	-	-	224	-	-	258	-	-	238	-	-	218	-	-	218	-	-	229	-	**7,995**	**2,188**
FK	-	22	-	-	22	-	-	22	-	-	30	-	-	30	-	-	30	-	-	171	-	-	171	-	-	171	-	-	46	-	-	46	-	-	46	-	**0**	**0**
KR	-	79	-	-	79	-	-	79	-	-	115	-	-	115	-	-	115	-	-	113	-	-	113	-	-	113	-	-	75	-	-	75	-	-	75	-	**0**	**0**
TOTALS	**3,074**		**898**	**1,605**		**510**	**3,316**		**780**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**7,995**	**2,188**
2800 ACRES																																							
SWP	-	215	-	1,402	234	446	2,837	173	667	-	227	-	-	257	-	-	263	-	-	224	-	-	258	-	-	238	-	-	218	-	-	218	-	-	229	-	**4,239**	**1,113**
FK	-	22	-	-	22	-	-	22	-	-	30	-	-	30	-	-	30	-	-	171	-	-	171	-	-	171	-	-	46	-	-	46	-	-	46	-	**0**	**0**
KR	-	79	-	-	79	-	-	79	-	-	115	-	-	115	-	-	115	-	-	113	-	-	113	-	-	113	-	-	75	-	-	75	-	-	75	-	**0**	**0**
TOTALS	**0**		**0**	**1,402**		**446**	**2,837**		**667**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**4,239**	**1,113**
KERN WATER BANK																																							
SWP	14,003	215	4,092	14,308	234	4,550	15,468	173	3,637	1,185	227	366	-	257	-	-	263	-	-	224	-	-	258	-	-	238	-	-	218	-	-	218	-	-	229	-	**44,964**	**12,644**
FK	-	22	-	-	22	-	-	22	-	-	30	-	-	30	-	-	30	-	-	171	-	-	171	-	-	171	-	-	46	-	-	46	-	-	46	-	**0**	**0**
KR	-	79	-	-	79	-	-	79	-	-	115	-	-	115	-	-	115	-	-	113	-	-	113	-	-	113	-	-	75	-	-	75	-	-	75	-	**0**	**0**
TOTALS	**14,003**		**4,092**	**14,308**		**4,550**	**15,468**		**3,637**	**1,185**		**366**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**44,964**	**12,644**
PIONEER PROPERTY																																							
SWP	5,554	215	1,623	5,460	234	1,736	2,975	173	699	-	227	-	-	257	-	-	263	-	-	224	-	-	258	-	-	238	-	-	218	-	-	218	-	-	229	-	**13,989**	**4,059**
FK	-	22	-	-	22	-	-	22	-	-	30	-	-	30	-	-	30	-	-	171	-	-	171	-	-	171	-	-	46	-	-	46	-	-	46	-	**0**	**0**
KR	-	79	-	-	79	-	-	79	-	-	115	-	-	115	-	-	115	-	-	113	-	-	113	-	-	113	-	-	75	-	-	75	-	-	75	-	**0**	**0**
TOTALS	**5,554**		**1,623**	**5,460**		**1,736**	**2,975**		**699**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**13,989**	**4,059**
BUENA VISTA PROPERTY[1]																																							
SWP	362	215	106	274	234	87	-	173	-	75	227	23	103	257	36	69	263	25	71	224	22	-40	258	-14	2,008	238	650	3,825	218	1,133	846	218	251	223	229	69	**7,816**	**2,387**
FK	-	22	-	-	22	-	-	22	-	-	30	-	-	30	-	-	30	-	-	171	-	-	171	-	-	171	-	-	46	-	-	46	-	-	46	-	**0**	**0**
KR	-	79	-	-	79	-	-	79	-	-	115	-	-	115	-	-	115	-	-	113	-	-	113	-	75	113	12	55	75	6	-6	75	-1	-	75	-	**124**	**17**
TOTALS	**362**		**106**	**274**		**87**	**0**		**0**	**75**		**23**	**103**		**36**	**69**		**25**	**71**		**22**	**-40**		**-14**	**2,083**		**661**	**3,880**		**1,139**	**840**		**250**	**223**		**69**	**7,940**	**2,404**
KDWD PROJECT																																							
SWP	2,660	215	777	331	234	105	-	173	-	-	227	-	-	257	-	-	263	-	-	224	-	-	258	-	-	238	-	-	218	-	-	218	-	-	229	-	**2,991**	**883**
FK	-	22	-	-	22	-	-	22	-	-	30	-	-	30	-	-	30	-	-	171	-	-	171	-	-	171	-	-	46	-	-	46	-	-	46	-	**0**	**0**
KR	1,005	79	108	1,181	79	127	295	79	32	5,486	115	857	231	115	36	2,432	115	380	1,632	113	251	-	113	-	-	113	-	-	75	-	-	75	-	-	75	-	**12,262**	**1,791**
TOTALS	**3,665**		**885**	**1,512**		**232**	**295**		**32**	**5,486**		**857**	**231**		**36**	**2,432**		**380**	**1,632**		**251**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**15,253**	**2,673**
RRBWSD PROJECTS (INCLUDING STRAND)																																							
SWP	4,816	215	1,407	14,631	234	4,653	2,352	173	553	-	227	-	-	257	-	-	263	-	-	224	-	-	258	-	-	238	-	-	218	-	-	218	-	-	229	-	**21,799**	**6,613**
FK	-	22	-	-	22	-	-	22	-	-	30	-	-	30	-	-	30	-	-	171	-	-	171	-	-	171	-	-	46	-	-	46	-	-	46	-	**0**	**0**
KR	4,705	79	505	-	79	-	-	79	-	-	115	-	-	115	-	-	115	-	1,555	113	239	1,186	113	182	-	113	-	-	75	-	-	75	-	-	75	-	**7,446**	**926**
TOTALS	**9,521**		**1,912**	**14,631**		**4,653**	**2,352**		**553**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**1,555**		**239**	**1,186**		**182**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**29,245**	**7,539**
JOINT USE RECOVERY PROJECT																																							
SWP	-	215	-	1,745	234	555	-	173	-	-	227	-	-	257	-	-	263	-	-	224	-	-	258	-	-	238	-	-	218	-	-	218	-	-	229	-	**1,745**	**555**
FK	-	22	-	-	22	-	-	22	-	-	30	-	-	30	-	-	30	-	-	171	-	-	171	-	-	171	-	-	46	-	-	46	-	-	46	-	**0**	**0**
KR	1,488	79	160	-	79	-	-	79	-	-	115	-	-	115	-	-	115	-	4,219	113	648	3,040	113	467	-	113	-	-	75	-	-	75	-	-	75	-	**8,747**	**1,275**
TOTALS	**1,488**		**160**	**1,745**		**555**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**4,219**		**648**	**3,040**		**467**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**10,492**	**1,830**
IMPROVEMENT DISTRICT NO. 4																																							
SWP	438	219	130	5,137	234	1,634	1,107	173	260	-	227	-	-	257	-	185	263	66	-	224	-	214	258	75	-	238	-	-	218	-	388	218	115	364	229	113	**7,833**	**2,394**
FK	-	23	-	-	22	-	-	22	-	-	30	-	94	30	4	-	30	-	-	171	-	-	171	-	-	171	-	-	46	-	-	46	-	-	46	-	**94**	**4**
KR	4,425	84	505	-	79	-	-	79	-	877	115	137	1,026	115	160	974	115	152	1,682	113	258	1,878	113	288	1,575	113	242	1,603	75	163	1,107	75	113	-	75	-	**15,147**	**2,020**
TOTALS	**4,863**		**636**	**5,137**		**1634**	**1,107**		**260**	**877**		**137**	**1,120**		**164**	**1,159**		**218**	**1,682**		**258**	**2,092**		**363**	**1,575**		**242**	**1,603**		**163**	**1,495**		**228**	**364**		**113**	**23,074**	**4,417**
KERN RIVER CHANNEL																																							
SWP	-	215	-	-	234	-	-	173	-	-	227	-	-	257	-	-	263	-	-	224	-	-	258	-	-	238	-	-	218	-	-	218	-	-	229	-	**0**	**0**
FK	-	22	-	-	22	-	-	22	-	-	30	-	-	30	-	-	30	-	-	171	-	-	171	-	-	171	-	-	46	-	-	46	-	-	46	-	**0**	**0**
KR	1,778	79	191	-	79	-	-	79	-	-	115	-	-	115	-	-	115	-	-	113	-	-	113	-	-	113	-	-	75	-	-	75	-	-	75	-	**1,778**	**191**
TOTALS	**1,778**		**191**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**	**1,778**	**191**
WEST KERN WATER DISTRICT																																							
SWP	2,470	215	722	514	234	163	-	173	-	-	227	-	-	257	-	-	263	-	-	224	-	-	258	-	-	238	-	-	218	-	-	218	-	-	229	-	**2,984**	**885**
FK	-	22	-	-	22	-	-	22	-	-	30	-	-	30	-	-	30	-	-	171	-	-	171	-	-	171	-	-	46	-	-	46	-	-	46	-	**0**	**0**
KR	53	79	6	-	79	-	-	79	-	-	115	-	-	115	-	-	115	-	417	113	64	75	113	12	172	113	26	262	75	27	48	75	5	-	75	-	**1,027**	**139**
GW	-			-			-			3	216	1	-			2	180	0	-			6	458	4	-			-			20	380	10	7	192	2	**38**	**17**
TOTALS	**2,523**		**727**	**514**		**163**	**0**		**0**	**3**		**1**	**0**		**0**	**2**		**0**	**417**		**64**	**81**		**15**	**172**		**26**	**262**		**27**	**68**		**15**	**7**		**2**	**4,049**	**1,042**	AVG TDS
																																						163,018	**40,100**	**181 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources:
- SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
- FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
- KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
- GW - Volumetric average of TDS values of pumping well that feed recharge project.

Table 2B-2021

KERN FAN MONITORING COMMITTEE

ANALYSIS OF TOTAL DISSOLVED SOLIDS IMPORTED TO BASIN

WITH RECHARGE WATER SUPPLIES

Water Year: **2021**

PROJECT/SOURCE	OCTOBER GROSS RECHARGE (AF)	OCTOBER W. Q. TDS (MG/L)	OCTOBER SALT LOAD (TONS)	NOVEMBER GROSS RECHARGE (AF)	NOVEMBER W. Q. TDS (MG/L)	NOVEMBER SALT LOAD (TONS)	DECEMBER GROSS RECHARGE (AF)	DECEMBER W. Q. TDS (MG/L)	DECEMBER SALT LOAD (TONS)	JANUARY GROSS RECHARGE (AF)	JANUARY W. Q. TDS (MG/L)	JANUARY SALT LOAD (TONS)	FEBRUARY GROSS RECHARGE (AF)	FEBRUARY W. Q. TDS (MG/L)	FEBRUARY SALT LOAD (TONS)	MARCH GROSS RECHARGE (AF)	MARCH W. Q. TDS (MG/L)	MARCH SALT LOAD (TONS)	APRIL GROSS RECHARGE (AF)	APRIL W. Q. TDS (MG/L)	APRIL SALT LOAD (TONS)	MAY GROSS RECHARGE (AF)	MAY W. Q. TDS (MG/L)	MAY SALT LOAD (TONS)	JUNE GROSS RECHARGE (AF)	JUNE W. Q. TDS (MG/L)	JUNE SALT LOAD (TONS)	JULY GROSS RECHARGE (AF)	JULY W. Q. TDS (MG/L)	JULY SALT LOAD (TONS)	AUGUST GROSS RECHARGE (AF)	AUGUST W. Q. TDS (MG/L)	AUGUST SALT LOAD (TONS)	SEPTEMBER GROSS RECHARGE (AF)	SEPTEMBER W. Q. TDS (MG/L)	SEPTEMBER SALT LOAD (TONS)	TOTALS GROSS RECHARGE (AF)	TOTALS SALT LOAD (TONS)
BERRENDA MESA																																							
SWP	-	311	-	-	297	-	-	309	-	290	-		270	-		320	-		-	262	-		-	264	-		-	244	-		-	277	-		204	-		213	-		**0**	**0**
FK	-	44	-	-	44	-	-	44	-	34	-		34	-		34	-		-	152	-		-	152	-		-	152	-		-	153	-	-	153	-	-	153	-		**0**	**0**
KR	-	175	-	-	175	-	-	175	-	146	-		146	-		146	-		-	138	-		-	138	-		-	138	-		-	131	-		131	-		131	-		**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**
2800 ACRES																																							
SWP	-	311	-	-	297	-	-	309	-	290	-		270	-		-	320	-	-	262	-		-	264	-		-	244	-		-	277	-		204	-		213	-		**0**	**0**
FK	-	44	-	-	44	-	-	44	-	34	-		34	-		-	34	-	-	152	-		-	152	-		-	152	-		-	153	-	-	153	-		153	-		**0**	**0**
KR	-	175	-	-	175	-	-	175	-	146	-		146	-		-	146	-	-	138	-		-	138	-		-	138	-		-	131	-		131	-		131	-		**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**
KERN WATER BANK																																							
SWP	-	311	-	1,448	297	584	2,355	309	989	290	-		270	-		320	-		-	262	-		-	264	-		-	244	-		-	277	-		204	-		213	-		**3,803**	**1,573**
FK	-	44	-	-	44	-	-	44	-	34	-		34	-		34	-		-	152	-		-	152	-		-	152	-		-	153	-	-	153	-	-	153	-		**0**	**0**
KR	-	175	-	-	175	-	-	175	-	146	-		146	-		146	-		-	138	-		-	138	-		-	138	-		-	131	-		131	-		131	-		**0**	**0**
TOTALS	**0**		**0**	**1,448**		**584**	**2,355**		**989**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**3,803**	**1,573**
PIONEER PROPERTY																																							
SWP	-	311	-	-	297	-	-	309	-	290	-		270	-		320	-		-	262	-		-	264	-		-	244	-		-	277	-		204	-		213	-		**0**	**0**
FK	-	44	-	-	44	-	-	44	-	34	-		34	-		34	-		-	152	-		-	152	-		-	152	-		-	153	-		153	-		153	-		**0**	**0**
KR	-	175	-	-	175	-	-	175	-	146	-		146	-		146	-		-	138	-		-	138	-		-	138	-		-	131	-		131	-		131	-		**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**	**0**
BUENA VISTA PROPERTY[1]																																							
SWP	16	311	7	27	297	11	17	309	7	-	290	-	97	270	36	42	320	18	1	262	0	54	264	19	1,463	244	485	2,951	277	1,111	1,041	204	289	-42	213	-12	**5,667**	**1,971**
FK	-	44	-	-	44	-	-	44	-	-	34	-	-	34	-	-	34	-	-	152	-	-	152	-	-	152	-	-	153	-	-	153	-	-	153	-	**0**	**0**
KR	-	175	-	-	175	-	-	175	-	-	146	-	-	146	-	-	146	-	-	138	-	-	138	-	119	138	22	110	131	20	42	131	7	-	131	-	**271**	**49**
TOTALS	**16**		**7**	**27**		**11**	**17**		**7**	**0**		**0**	**97**		**36**	**42**		**18**	**1**		**0**	**54**		**19**	**1,582**		**507**	**3,061**		**1,131**	**1,083**		**296**	**-42**		**-12**	**5,938**	**2,020**
KDWD PROJECT																																							
SWP	-	311	-	-	297	-	-	309	-	-	290	-	-	270	-	-	320	-	-	262	-	-	264	-	-	244	-	-	277	-	-	204	-	-	213	-	**0**	**0**
FK	-	44	-	-	44	-	-	44	-	-	34	-	-	34	-	-	34	-	-	152	-	-	152	-	-	152	-	-	153	-	-	153	-	-	153	-	**0**	**0**
KR	105	175	25	-	175	-	-	175	-	207	146	41	438	146	87	-	146	-	6	138	1	-	138	-	-	138	-	-	131	-	-	131	-	-	131	-	**756**	**154**
TOTALS	**105**		**25**	**0**		**0**	**0**		**0**	**207**		**41**	**438**		**87**	**0**		**0**	**6**		**1**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**756**	**154**
RRBWSD PROJECTS (INCLUDING STRAND)																																							
SWP	-	311	-	-	297	-	-	309	-	-	290	-	-	270	-	-	320	-	-	262	-	-	264	-	-	244	-	-	277	-	-	204	-	-	213	-	**0**	**0**
FK	-	44	-	10,111	44	605	-	44	-	-	34	-	-	34	-	-	34	-	-	152	-	-	152	-	-	152	-	-	153	-	-	153	-	-	153	-	**10,111**	**605**
KR	-	175	-	-	175	-	-	175	-	-	146	-	-	146	-	-	146	-	-	138	-	-	138	-	-	138	-	-	131	-	-	131	-	-	131	-	**0**	**0**
TOTALS	**0**		**0**	**10,111**		**605**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**10,111**		**605**
JOINT USE RECOVERY PROJECT																																							
SWP	-	311	-	-	297	-	-	309	-	-	290	-	-	270	-	-	320	-	-	262	-	-	264	-	-	244	-	-	277	-	-	204	-	-	213	-	**0**	**0**
FK	-	44	-	2,313	44	138	-	44	-	-	34	-	-	34	-	-	34	-	-	152	-	-	152	-	-	152	-	-	153	-	-	153	-	-	153	-	**2,313**	**138**
KR	-	175	-	-	175	-	-	175	-	-	146	-	-	146	-	-	146	-	-	138	-	-	138	-	-	138	-	-	131	-	-	131	-	-	131	-	**0**	**0**
TOTALS	**0**		**0**	**2,313**		**138**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**0**		**0**		**0**	**0**		**0**	**2,313**		**138**
IMPROVEMENT DISTRICT NO. 4																																							
SWP	639	219	190	385	297	155	-	309	-	-	290	-	-	270	-	-	320	-	-	262	-	-	264	-	-	244	-	-	277	-	-	204	-	-	213	-	**1,024**	**346**
FK	-	23	-	-	44	-	-	44	-	-	34	-	-	34	-	-	34	-	-	152	-	-	152	-	-	152	-	-	153	-	-	153	-	-	153	-	**0**	**0**
KR	-	84	0	567	175	135	1,524	175	362	744	146	148	0	146	0	1,184	146	235	1,014	138	190	1,107	138	208	1,186	138	222	-	131	-	-	131	-	-	131	-	**7,326**	**1,500**
GW	-	-	-	-	-	-	-	-	-	195	238	63	592	238	191	10	238	3	6	159	1	10	159	2	8	159	2	391	148	79	628	148	126	595	148	120	**2,435**	**588**
TOTALS	**639**		**190**	**952**		**290**	**1,524**		**362**	**939**		**211**	**592**		**191**	**1,194**		**238**	**1,020**		**191**	**1,117**		**210**	**1,194**		**224**	**391**		**79**	**628**		**126**	**595**		**120**	**10,785**	**1,846**	
KERN RIVER CHANNEL																																							
SWP	-	311	-	-	297	-	-	309	-	-	290	-	-	270	-	-	320	-	-	262	-	-	264	-	-	244	-	-	277	-	-	204	-	-	213	-	**0**	**0**
FK	-	44	-	-	44	-	-	44	-	-	34	-	-	34	-	-	34	-	-	152	-	-	152	-	-	152	-	-	153	-	-	153	-	-	153	-	**0**	**0**
KR	-	175	-	-	175	-	-	175	-	-	146	-	-	146	-	-	146	-	-	138	-	-	138	-	-	138	-	-	131	-	-	131	-	-	131	-	**0**	**0**
TOTALS	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**		**0**	**0**
WEST KERN WATER DISTRICT																																							
SWP	-	311	-	-	297	-	-	309	-	-	290	-	-	270	-	-	320	-	-	262	-	-	264	-	-	244	-	-	277	-	-	204	-	-	213	-	**0**	**0**
FK	-	44	-	-	44	-	-	44	-	-	34	-	-	34	-	-	34	-	-	152	-	-	152	-	-	152	-	-	153	-	-	153	-	-	153	-	**0**	**0**
KR	-	175	-	-	175	-	-	175	-	-	146	-	100	146	20	133	146	26	357	138	67	262	138	49	266	138	50	80	131	14	-	131	-	-	131	-	**1,198**	**226**
GW	-		-	33	236	11	27	272	10	194	272	72	106	272	39	49	272	18	170	290	67	158	272	58	26	272	10	72	270	26	131	251	45	10	272	4	**976**	**359**
TOTALS	**0**		**0**	**33**		**11**	**27**		**10**	**194**		**72**	**206**		**59**	**182**		**45**	**527**		**134**	**420**		**108**	**292**		**60**	**152**		**41**	**131**		**45**	**10**		**4**	**2,174**	**586**	AVG TDS
																																					35,880	**6,922**	**142 MG/L**

1 - Buena Vista Property monthly breakdown is estimated.

Water Quality Data Sources:
- SWP - Table 32 of State Water Project Operations Data published monthly by State of California.
- FK - most recent value, from Quarterly Friant-Kern Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
- KR - most recent value, from Quarterly Kern River Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.
- West Kern Water District GW - Volumetric average of TDS values of pumping well that feed recharge project.
- Improvement District 4 GW - most recent value, from Quarterly Cross Valley Canal Report, ID4 Henry C. Garnett Water Purification Plant Laboratory.

Kern County Water Agency

2018 Supply & Delivery Summary - *Updated through December 2018* (Version: 7/28/20)

Current SWP Allocation: 35%

(All quantities are in acre-feet.)

		(1)	(2)	(3)	(4)	(5)	(6)	(7)					(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
			Supply Information														**Monthly Delivery Information (AF)**													
			DWR Programs					**Local Programs**					**Other Supplies**																	
		Entity	**2018 SWP**	**2017 SWP C/O**	**2018 Turnback Pools A&B**	**2018 Dry Year**	**2018 Yuba**	**KCWA GW Turn-In**	**District GW Turn-In**	**CVC & KWB Op Exch**	**Kern River**	**Other Local**	**Tranfers Out**	**Transfers In**	**Misc. Trans/Exch**	**Total Supply**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**October**	**November**	**December**	**Total Deliveries**	**Balance Available**
(1)		Berrenda Mesa	32,410	(5,932)		14,059	1,280	10,943		2,903				5,743	45,466	**106,872**	229	5,922	2,743	6,694	11,900	15,837	17,097	16,317	9,560	5,741	220	154	**92,414**	**14,458**
(2)		Lost Hills	41,689	10,351		18,084	1,841	5,015		1,318				4,234	20,468	**103,000**	695	3,783	3,986	5,502	10,010	15,123	16,786	14,875	9,486	4,641	703	333	**85,923**	**17,077**
(3)		Belridge	42,528	15,590		18,448	2,492	6,713		2,922				22,519	25,129	**136,341**	5,543	6,332	3,334	8,626	15,016	15,913	21,379	16,599	9,828	7,080	2,047	2,173	**113,870**	**22,471**
(4)	[4]	Semitropic	48,687	16,964		7,313	3,900						(5,000)	69,332	(9,643)	**131,553**	8,796	25,499	1,018	1,877	4,023	6,593	15,840	13,999	16,661	17,160	8,230	2,628	**122,324**	**9,229**
(5)		Cawelo	13,370	4,702			650			(55)					(10,500)	**8,167**		879									591		**1,470**	**6,697**
(6)		Imp Dist #4	29,031	9,883			3,975	1,467		(2,771)					(30,212)	**11,373**	1,060	1,914									847	1,637	**5,458**	**5,915**
(7)		Rosedale-Rio Bravo	10,465	2			261		6,117	1,503			(23,853)	44,539	(2,607)	**36,427**	13,087	5,327							8,415	6,874		1,380	**35,083**	**1,344**
(8)		Buena Vista	7,455	6,312							23,804		(2,750)		38,315	**73,136**	159	303	272	424	1,843	17,911	19,841	13,801	1,122	188	283	74	**56,221**	**16,915**
(9)		Kern Delta	8,925	178			223								(9,326)	**0**													**0**	**0**
(10)		Henry Miller	12,425	1,366											(10,443)	**3,348**	1,322					447	643	510					**2,922**	**426**
(11)		West Kern	11,025	3,744					1,304					7,464	(1,356)	**22,181**	2,797	4,681	9	15	5	66	196	244	128	595	5,891	1,289	**15,916**	**6,265**
(12)		Wheeler Ridge	68,981	9,033		29,249	1,722	28,805	12,910	1,227				14,581	5,114	**171,622**	1,822	6,654	2,608	11,336	17,626	24,994	23,656	21,396	14,737	12,238	5,324	4,150	**146,541**	**25,081**
(13)		Tehachapi	6,755	138											3,150	**10,043**		742	826	1,177	1,174	1,207	1,260	1,245	1,201	815	348		**9,995**	**48**
(15)		Tejon Castac	1,847	2,051											(3,051)	**847**	25	24	23	31	63	27	64	44	36	32	28	19	**416**	**431**
(16)		Westside Mutual WC						8,994		1,006					(10,000)	**0**													**0**	**0**
(17)		Arvin-Edison WSD							13,893				(16,511)	71,839	2,934	**72,155**	3,354	12,508			65	1,427	8,586	12,927	14,649	11,487	6,925	227	**72,155**	**0**
(18)		Kern-Tulare WD								(252)				47,127	(25,637)	**21,238**	445	3,314				3,590	1,158		6,218	6,485	11	17	**21,238**	**0**
(19)		Dudley Ridge WD						7,885						28,921	(28,921)	**7,885**	2,479	3,900	920	586									**7,885**	**0**
(20)		Delano-Earlimart ID												940	(940)	**0**													**0**	**0**
(21)		MWD											16,511			**16,511**			4,277	5,813	6,421								**16,511**	**0**
(22)	[1]	Coachella VWD											20,603			**20,603**			4,099	1,880		7,000			2,200	2,420	2,280	724	**20,603**	**0**
(23)		Alameda County WD											5,000			**5,000**								2,146	2,111	743			**5,000**	**0**
(24)		Santa Clara VWD														**0**													**0**	**0**
(25)		Zone 7														**0**													**0**	**0**
(26)	[3]4	Santa Clarita VWD (CLWA)											6,000			**6,000**							1,650		1,600	1,000	1,000	750	**6,000**	**0**
(27)		Antelope Valley-East Kern														**0**													**0**	**0**
(28)		Central Coast WA														**0**													**0**	**0**
(29)		North Kern WSD												6,504	2,425	**8,929**										2,425	1,834	4,670	**8,929**	**0**
(30)		Pixley ID														**0**													**0**	**0**
(31)	[2]	San Gorgonio Pass WS											1,700			**1,700**											1,089	611	**1,700**	**0**
(32)		Westlands WD														**0**													**0**	**0**
(33)		KCWA - ERF	2,800										(2,800)			**0**													**0**	**0**
(34)	[2]	KCWA - Nickel											(1,700)		1,700	**0**													**0**	**0**
(35)		Western Hills WD											2,800		(2,065)	**735**	22	28	15	52	88	100	133	103	76	66	37	15	**735**	**0**
(36)	[4]	**Total**	**338,393**	**74,382**	**0**	**87,153**	**16,344**	**69,822**	**34,224**	**7,801**	**23,804**	**0**	**0**	**323,743**	**0**	**975,666**	**41,835**	**81,810**	**24,130**	**44,013**	**68,234**	**110,235**	**128,289**	**114,206**	**98,028**	**79,990**	**37,688**	**20,851**	**849,309**	**126,357**

Kern County Water Agency

Working Draft - Subject to Change

2019 Supply & Delivery Summary - *Updated through December* *(Updated 07/28/20)*

Current SWP Allocation: 75%

(All quantities are in acre-feet.)

		(1)	(2)	(3)		(4)	(5)	(6)	(7)				(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(18)	(19)	(20)
			Supply Information														**Monthly Delivery Information (AF)**													
			DWR Programs						**Local Programs**				**Other Supplies**																	
		Entity	**2019 SWP**	**2018 SWP C/O**	**2019 Article 21**	**2019 TB Pools A & B**	**2019 Dry Year**	**2019 Yuba**	**KCWA GW Turn-In**	**District GW Turn-In**	**CVC & KWB Op Exch**	**Kern River**	**Other Local**	**Tranfers Out**	**Transfers In**	**Misc. Trans/Exch**	**Total Supply**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**October**	**November**	**December**	**Total Deliveries**	**Balance Available**
(1)		Berrenda Mesa	69,450	14,458	13,868						1,763				38,256	38,415	**176,210**	1,992	15,768	15,923	7,300	11,981	16,000	17,768	19,962	12,152	11,424	5,597	8,696	**144,563**	**31,647**
(2)		Lost Hills	89,333	17,077	11,195						(38)			(2,000)	15,479	11,762	**142,808**	624	7,393	16,247	6,108	10,213	15,851	17,997	16,489	10,132	6,731	942	412	**109,139**	**33,669**
(3)		Belridge	91,131	22,471	10,218						1,738				21,863	16,012	**163,433**	1,496	11,981	18,646	9,248	14,399	17,101	20,417	19,242	13,768	10,602	2,091	2,543	**141,534**	**21,899**
(4)	[5]	Semitropic	111,780	9,229	21,519						(7,948)				222,236	9,918	**366,734**	4,785	17,466	24,359	32,953	30,161	45,410	59,234	60,902	29,520	27,122	17,709	9,849	**359,470**	**7,264**
(5)		Cawelo	28,650	6,697	5,111										10,000	(36,587)	**13,871**		2,236	9,572						1,147	916			**13,871**	**0**
(6)		Imp Dist #4	62,209	5,915	16,539						(728)					(32,178)	**51,757**	590	6,236	17,225	93				498	2,675	446	14,052	2,695	**44,510**	**7,247**
(7)		Rosedale-Rio Bravo	22,425	1,344	6,700									(2,100)	36,511	1,108	**65,988**	1,506	7,050	6,646	83	287	681	1,356	6,243		4,831	19,532	2,373	**50,588**	**15,400**
(8)		Buena Vista	15,975	16,915	15,801						9,053	26,971			2,000	102,827	**189,542**		13,420	26,896	5,362	15,043	5,223	22,450	37,930	17,953	12,414	515	379	**157,585**	**31,957**
(9)		Kern Delta	19,125		3,536										56,405	(69,125)	**9,941**		258	3,278						511	4,402	1,492		**9,941**	**0**
(10)		Henry Miller	26,625	426	3,091											(16,625)	**13,517**		784	2,733		1,319	2,768	1,609	1,450		186	42		**10,891**	**2,626**
(11)		West Kern	23,625	6,265	793										5,000	(23,683)	**12,000**	1	1,706	773	3	12	9	138	1,640	2,143	2,616	731	166	**9,938**	**2,062**
(12)		Wheeler Ridge	147,816	25,081	20,376							12,173			17,699	(4,122)	**219,023**	2,709	16,464	24,816	14,207	15,554	25,541	29,025	27,468	20,890	15,959	6,486	5,235	**204,354**	**14,669**
(13)		Tehachapi	14,475	48	946						478	1,037				(6,299)	**10,685**		202	792	1,187	840	1,182	1,224	1,228	1,261	1,218	840		**9,974**	**711**
(15)		Teion Castac	3,959	431	1,113						(478)					5,647	**10,672**	20	451	1,073	39	34	46	2,271	3,854	43	43	33	26	**7,933**	**2,739**
(16)	[6]	Westside Mutual WC													7,500	2,198	**9,698**				2,198							1,172	6,328	**9,698**	**0**
(17)		Arvin-Edison WSD								10,606	369			(10,975)	15,187	15,172	**30,359**		2,523			317			6,524	11,227	8,209	1,559		**30,359**	**0**
(18)		Kern-Tulare WD													13,987	(10,799)	**3,188**	13		283				2,892						**3,188**	**0**
(19)		Dudley Ridge WD												2,000	21,020		**23,020**		1,520	2,000				652	18,224	624				**23,020**	**0**
(20)		Delano-Earlimart ID															**0**													**0**	**0**
(21)		MWD												10,975			**10,975**						9,895	1,080						**10,975**	**0**
(22)		Coachella VWD															**0**													**0**	**0**
(23)		Alameda County WD															**0**													**0**	**0**
(24)		Santa Clara VWD															**0**													**0**	**0**
(25)		Zone 7															**0**													**0**	**0**
(26)	[1]	Santa Clarita VWA (CLWA)												1,100			**1,100**			1,100										**1,100**	**0**
(27)	[3]	Antelope Valley-East Kern															**0**													**0**	**0**
(28)	[2]	SJREC												1,000			**1,000**				1,000									**1,000**	**0**
(29)		North Kern WSD													1,140		**1,140**	1,140												**1,140**	**0**
(30)		Westlands WD															**0**													**0**	**0**
(31)	[3]	San Gorgonio Pass WS												1,600			**1,600**								1,250	350				**1,600**	**0**
(32)	[3,4]	LADWP												100			**100**										99	1		**100**	**0**
(33)		KCWA - ERF & Nickel	6,000											(6,000)			**0**													**0**	**0**
(34)	[3]	Nickel Supply												(1,700)		1,700	**0**													**0**	**0**
(35)		Western Hills WD												6,000		(5,341)	**659**	23	25	25	44	45	83	108	103	85	59	40	19	**659**	**0**
(36)	[5]	**Total**	**732,578**	**126,357**	**130,806**	**0**	**0**	**0**	**0**	**10,606**	**4,209**	**40,181**	**0**	**0**	**484,283**	**0**	**1,529,020**	**14,899**	**105,483**	**172,387**	**79,825**	**100,205**	**139,790**	**178,221**	**223,007**	**124,481**	**107,277**	**72,834**	**38,721**	**1,357,130**	**171,890**

Kern County Water Agency

2020 Supply & Delivery Summary - *Updated through December* *(Updated 02/24/22)*

Current SWP Allocation: 20%

(All quantities are in acre-feet.)

		(1)	(2)	(3)	(4)		(5)	(6)	(7)			(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
			Supply Information													**Monthly Delivery Information (AF)**													
			DWR Programs						**Local Programs**																				
		Entity	**2020 SWP**	**2019 SWP C/O**	**2020 Article 21**	**2020 TB Pools A & B**	**2020 Dry Year**	**2020 Yuba**	**KCWA GW Turn-In**	**District GW Turn-In**	**CVC & KWB Op Exch**	**Kern River**	**Other Local**	**Other Supplies Tranfers Out**	**Transfers In**	**Misc. Trans/Exch**	**Total Supply**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**October**	**November**	**December**	**Total Deliveries**	**Balance Available**
(1)		Berrenda Mesa	18,520	31,647			4,087	3,563	14,766		1,031				13,333	27,263	**114,210**	2,081	4,695	3,670	5,306	11,341	15,862	18,127	15,533	9,841	5,693	141	347	**92,637**	**21,573**
(2)		Lost Hills	23,822	33,669			5,258	4,582	8,489		2,058				17,519	16,573	**111,970**	438	3,172	3,012	4,036	9,922	15,208	17,313	15,369	8,940	5,474	760	137	**83,781**	**28,189**
(3)		Belridge	24,302	21,899			5,364	4,674	34,668		1,682				12,314	23,277	**128,180**	971	5,006	3,108	6,278	14,043	16,571	20,551	15,704	9,545	4,752	1,444	1,131	**99,104**	**29,076**
(4)	[6]	Semitropic	20,968	7,264			6,843	6,312	30,174	8,453	(1,582)			(44,791)	16,380	(3,046)	**46,975**	1,500	2,687	1,143	265	452	3,306	10,082	3,743	2,214	46	4,450	3,504	**33,392**	**13,583**
(5)		Cawelo	7,640					3,220	650		(1,603)					(8,346)	**1,561**										52			**52**	**1,509**
(6)		Imp Dist #4	16,589	7,247				2,722	3,714	4,916	(8,268)					(24,348)	**2,572**								133	372	145	467		**1,117**	**1,455**
(7)		Rosedale-Rio Bravo	5,980	15,400				98		32,328	8,400			(43,301)	15,350	(19,705)	**14,550**											11,446		**11,446**	**3,104**
(8)		Buena Vista	4,260	31,957					2,800		11,493	19,967		(2,750)	2,000	(8,080)	**61,647**	138	440	135	508	1,246	8,508	15,312	9,619	2,310	360	339	34	**38,949**	**22,698**
(9)		Kern Delta	5,100					83		846				(16,730)		10,701	**0**													**0**	**0**
(10)		Henry Miller	7,100	2,626												(9,200)	**526**							107	47					**154**	**372**
(11)		West Kern	6,300	2,062				103	5,000	3,599				(500)		(6,911)	**9,653**	53	21	139	20	29	69	117	266	234	361	146	116	**1,571**	**8,082**
(12)		Wheeler Ridge	39,417	14,669			8,701	8,281	47,802	14,934	1,435				20,023	7,003	**162,265**	1,481	4,500	4,287	6,013	16,805	19,660	21,032	18,962	12,031	9,050	4,704	3,819	**122,344**	**39,921**
(13)		Tehachapi	3,860	711												2,800	**7,371**			728	858	885	990	1,240	1,276	1,202	9	15	8	**7,211**	**160**
(15)		Tejon Castac	1,056	2,739							(500)					(361)	**2,934**	22	31	26	24	36	42	39	45	46	45	36	32	**424**	**2,510**
(16)		Westside Mutual WC															**0**													**0**	**0**
(17)		Arvin-Edison WSD									(8,951)				12,859		**3,908**	1,506	2,155							247				**3,908**	**0**
(18)		Kern-Tulare WD								1,878	(9,217)			(1,900)	14,255	(3,383)	**1,633**		1,610											**1,610**	**23**
(19)		Dudley Ridge WD							4,999		3,451						**8,450**		6,888	1,562										**8,450**	**0**
(20)		Antelope Valley-East Kern															**0**													**0**	**0**
(21)		MWD												16,820			**16,820**				5,590	5,696	1,846	2,874	814					**16,820**	**0**
(22)		Coachella VWD												19,000			**19,000**				8,757	743				2,375	2,375	2,375	2,375	**19,000**	**0**
(23)	[4]	Alameda County WD												12,901			**12,901**		832	468	807	947	1,327	1,172	1,948	1,074	2,598	1,728		**12,901**	**0**
(24)		Santa Clara VWD												16,800			**16,800**					2,208	3,095	4,336	861			2,436	3,864	**16,800**	**0**
(25)		San Bernardino VMWD												5,000			**5,000**						1,847	544	1,846	763				**5,000**	**0**
(26)	[1]	Santa Clarita VWA (CLWA)												32,551			**32,551**		1,459	2,987	3,087	3,405	3,305	3,967	4,205	3,499	3,387	1,000	2,250	**32,551**	**0**
(27)		Westlands WD												5,900			**5,900**							3,087	913			1,900		**5,900**	**0**
(28)		Zone 7												1,000			**1,000**											1,000		**1,000**	**0**
(29)		North Kern WSD													1,000		**1,000**	1,000												**1,000**	**0**
(30)		Newhall															**0**													**0**	**0**
(31)	[3]	San Gorgonio Pass WS												1,700			**1,700**								1,383	317				**1,700**	**0**
(32)	[6]	DWR	10,032														**10,032**										10,032			**10,032**	**0**
(33)		KCWA - ERF	1,600						4,429		571			(1,600)		(5,000)	**0**													**0**	**0**
(34)	[2,3]	Nickel Supply												(1,700)		1,700	**0**													**0**	**0**
(35)	[5]	Western Hills WD												1,600		(937)	**663**	22	29	32	34	82	101	99	108	69	35	26	26	**663**	**0**
(36)		**Total**	**196,546**	**171,890**	**0**	**0**	**30,253**	**33,638**	**157,491**	**66,954**	**0**	**19,967**	**0**	**0**	**125,033**	**0**	**801,772**	**9,212**	**33,525**	**21,297**	**41,583**	**67,840**	**91,737**	**119,999**	**92,775**	**55,079**	**44,414**	**34,413**	**17,643**	**629,517**	**172,255**

Kern County Water Agency

2021 Supply & Delivery Summary - *Updated through December* *(Updated 08/14/22)*

Current SWP Allocation: 5%

(All quantities are in acre-feet.)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)
		Supply Information															**Monthly Delivery Information (AF)**													
		DWR Programs						**Local Programs**					**Other Supplies**																	
	Entity	**2021 SWP**	**2020 SWP C/O**	**2021 Article 21**	**2021 TB Pools A & B**	**2021 Dry Year**	**2021 Yuba**	**KCWA GW Turn-In**	**District GW Turn-In**	**CVC & KWB Op Exch**	**Kern River**	**Other Local**	**Tranfers Out**	**Transfers In**	**Misc. Trans/Exch**	**Total Supply**	**January**	**February**	**March**	**April**	**May**	**June**	**July**	**August**	**September**	**October**	**November**	**December**	**Total Deliveries**	**Balance Available**
(1)	Berrenda Mesa	4,630	21,573			351	1,753	26,513		2,063			(1,890)	2,575	49,810	**107,378**	1,973	4,165	3,596	4,899	11,268	15,154	18,173	15,128	10,256	6,443	125	105	**91,285**	**16,093**
(2)	Lost Hills	5,956	28,189			452	2,253	18,128		1,842				6,236	41,798	**104,854**	964	2,389	3,664	4,325	8,811	14,196	16,495	14,342	9,471	4,917	377	114	**80,065**	**24,789**
(3)	Belridge	6,075	29,076			461	2,300	19,812		1,710				3,139	43,512	**106,085**	1,278	4,322	3,193	6,204	10,506	13,652	16,646	12,755	7,581	5,227	1,262	989	**83,615**	**22,470**
(4)	Semitropic	7,750	13,583					19,953	103,212	(47)			(126,127)	8,770	(8,649)	**18,445**	337	1,778	98			80	1,263	2,674					**6,230**	**12,215**
(5)	Cawelo	1,910	1,509			144	723						(1,910)		(1,822)	**554**													**0**	**554**
(6)	Imp Dist #4	4,147	1,455				1,570	21,284	13,166	(11,767)					(20,575)	**9,280**													**0**	**9,280**
(7)	Rosedale-Rio Bravo	1,495	3,104						70,825	(572)			(45,917)		(27,356)	**1,579**													**0**	**1,579**
(8)	Buena Vista	1,065	22,698					1,145	3,397		9,576		(2,750)		(3,471)	**31,660**		471	599	916	1,395	5,917	10,266	3,578	294				**23,436**	**8,224**
(9)	Kern Delta	1,275											(27,971)		26,696	**0**													**0**	**0**
(10)	Henry Miller	1,775	372													**2,147**							687	422					**1,109**	**1,038**
(11)	West Kern	1,575	8,082				596		4,057						(4,750)	**9,560**	44	6	24	20	56	225	393	278	192	62	79	63	**1,442**	**8,118**
(12)	Wheeler Ridge	9,855	39,921			747	3,730	65,990	27,770	485				1,141	13,817	**163,456**	1,661	3,543	5,921	11,568	16,489	24,113	23,380	15,510	10,707	6,137	2,316	1,217	**122,562**	**40,894**
(13)	Tehachapi	965	160												2,874	**3,999**	11			793	839	820	848	638					**3,949**	**50**
(14)	Tejon Castac	264	2,510					4,906							(6,689)	**991**	26	24	28	36	39	46	82	73	59	44	30	29	**516**	**475**
(15)	Westside Mutual WC							97,595							(97,595)	**0**													**0**	**0**
(16)	Arvin-Edison WSD									6,275		35,162	(43,828)	401	1,990	**0**													**0**	**0**
(17)	Kern-Tulare WD		23							(18)						**5**													**0**	**5**
(18)	Dudley Ridge WD							18,215					5,510		(247)	**23,478**	693		2,019	1,952	1,783	763	5,801	2,914	2,903	1,436	1,650	1,564	**23,478**	**0**
(19)	Palmdale WD [11]												2,097			**2,097**						600	890	400			207		**2,097**	**0**
(20)	MWD												115,373			**115,373**			7,867	7,429	7,372	7,410	3,367	17,160	20,601	23,477	10,157	10,533	**115,373**	**0**
(21)	Coachella VWD [5]												9,500			**9,500**	2,375	2,375									1,428	3,322	**9,500**	**0**
(22)	Alameda County WD												15,412			**15,412**		207	1,344	1,318	1,106	824	537	758	1,502	2,349	2,630	2,837	**15,412**	**0**
(23)	Santa Clara VWD [6]												35,959			**35,959**		482	3,137	3,075	2,580	1,922	1,252	1,768	3,506	5,482	6,136	6,619	**35,959**	**0**
(24)	Zone 7												10,387			**10,387**		139	907	888	745	555	362	510	1,013	1,584	1,772	1,912	**10,387**	**0**
(25)	Santa Clarita VWA [3,4]												36,000			**36,000**	1,949	2,043	3,747	3,683	3,892	3,755	1,135	1,273	3,356	4,211	4,365	2,591	**36,000**	**0**
(26)	Westlands WD [7]												16,140			**16,140**				4,595	1,924	2,194	1,003	1,089	2,127	2,979	229		**16,140**	**0**
(27)	SJREC												4,015			**4,015**						2,677	1,338						**4,015**	**0**
(28)	City of Bakersfield [10]								5,643						(5,643)	**0**													**0**	**0**
(29)	Newhall															**0**													**0**	**0**
(30)	San Gorgonio Pass WS [2]												1,700			**1,700**		479	735	486									**1,700**	**0**
(31)	LADWP															**0**													**0**	**0**
(32)	KCWA - ERF	400						5,321		29			(326)		(5,400)	**24**													**0**	**24**
(33)	Nickel Supply [1,2,8,9]												(1,700)		1,700	**0**													**0**	**0**
(34)	Western Hills WD												326			**326**	21	18	28	30	30	31	33	35	34	31	17	18	**326**	**0**
(35)	**Total**	**49,137**	**172,255**	**0**	**0**	**2,155**	**12,925**	**298,862**	**228,070**	**0**	**9,576**	**35,162**	**0**	**22,262**	**0**	**830,404**	**11,332**	**22,441**	**36,907**	**52,217**	**68,835**	**94,934**	**103,951**	**91,305**	**73,602**	**64,379**	**32,780**	**31,913**	**684,596**	**145,808**

DEPARTMENT OF WATER RESOURCES
WATER QUALITY POLICY AND IMPLEMENTATION PROCESS FOR ACCEPTANCE OF NON-PROJECT WATER INTO THE STATE WATER PROJECT

It is the Department of Water Resources (DWR) policy to assist with the conveyance of water to provide water supply, and to protect the State Water Project (SWP) water quality within the California Aqueduct. To facilitate this policy DWR provides the following implementation process for accepting non-project water into the SWP (Policy). For purposes of this document, SWP and California Aqueduct are interchangeable and the same.

POLICY PROVISIONS

DWR shall consider and evaluate all requests for Non-Project (NP) water input directly into the SWP conveyance facilities based upon the criteria established in this document. NP water shall be considered to be any water input into the SWP for conveyance by the SWP that is not directly diverted from the Sacramento-San Joaquin Delta or natural inflow into SWP reservoirs.

The proponent of any NP water input proposal shall demonstrate that the water is of consistent, predictable, and acceptable quality.

DWR will consult with State Water Project (Contractors), existing NP participants and the Department of Public Health (DPH) on drinking water quality issues relating to NP water as needed to assure the protection of SWP water quality.

Nothing in this document shall be construed as authorizing the objectives of Article 19 of the SWP water supply contracts or DPH drinking water maximum contaminant levels to be exceeded.

This Policy shall not constrain the ability of DWR to operate the SWP for its intended purposes and shall not adversely impact SWP water deliveries, operation or facilities.

EVALUATING NP WATER PROPOSALS

DWR shall use a two-tiered approach for evaluating NP water for input into the California Aqueduct.

NP Tier 1

Tier 1 NP pump-in proposals (PIP) shall exhibit water quality that is essentially the same, or better, than what occurs in the California Aqueduct. PIP's considered to be tier 1 shall be approved by DWR (see baseline water quality tables 1 through 4).

NP Tier 2

Tier 2 PIP's are those that exhibit water quality that is different and possibly worse than in the California Aqueduct and/or have the potential to cause adverse impacts to the Contractors. Tier 2 PIP's shall be referred to a NP Facilitation Group (FG), which would review the project and if needed make recommendations to DWR in consideration of the PIP.

SWC Facilitation Group

This advisory group consists of representatives from each Contractor that chooses to participate and DWR. The group shall review tier 2 PIP's based on the merits, impacts, mitigation, water quality monitoring, cost/benefits or other issues of each PIP and provide recommendations to DWR. Upon initial review of tier 2 PIP by DWR, it shall then be submitted to the FG for review. A consensus recommendation from the FG would be sought regarding approval of the PIP. DWR shall base its decision on the merits of the PIP, recommendations of the FG and the PIP's ability to provide overall benefits to the SWP and the State of California.

Blending Water Sources

Blending of multiple water sources prior to inflow into the SWP is acceptable and may be preferred depending upon water quality of the PIP. Blending of water in this manner may be used to quality a project as NP Tier 1.

Mixing (blending) within the California aqueduct can be considered but shall not be adjacent to municipal and industrial (M&I) delivery locations. PIP's that are coordinating water discharged to maintain or improve SWP water quality are an example of the mixing approach. The PIP shall demonstrate by model or an approach acceptable to DWR and the FG that the water is adequately mixed before reaching the first M&I customer. Generally NP PIP's that involve mixing with SWP water shall be considered NP Tier 2.

Baseline Water Quality

To aid in developing and evaluating PIP's both historical and current SWP water quality levels shall be considered. A representative baseline water quality summary is shown in Tables 1 through 4, using historical SWP water quality records at O'Neill Forebay.

NP IMPLEMENTATION PROCESS

Project Proposals

The NP project proponent requesting to introduce water into the SWP shall submit a detailed PIP to DWR. The proponent shall demonstrate that the NP water is of

consistent, predictable and reliable quality, and is responsible for preparing and complying with any and all contracts, environmental documents, permits or licenses that are necessary consistent with applicable laws, regulations, agreements, procedures, or policies.

Project Description

The proponent will submit to DWR a PIP describing the proposed program, identifying the water source(s), planned operation, characterizing the inflow water quality and any anticipated impacts to SWP water quality and/or operations. The PIP should be submitted at least one month prior to proposed start up to allow for DWR and FG review. The PIP shall include:

- Project proponent names, locations, addresses, and contact person(s).
- Maps identifying all sources of water, point of inflow to the SWP and ultimate fate of the introduced water.
- Terms and conditions of inflow, timing, rates and volumes of inflow, pumping, conveyance and storage requirements.
- Construction details of any facilities located adjacent to the SWP including valves, meters, and pump and piping size.
- All potential impacts and/or benefits to downstream SWP water contractors.
- Detailed water quality data for all sources of water and any blend of sources that will be introduced into the SWP.
- Identify anticipated water quality changes within the SWP.
- Identify other relevant environmental issues such as subsidence, ground water overdraft or, presents of endangered species.
- Provide performance measures and remedial actions that will be taken in the event projected SWP water quality levels are not met.
- Reference an existing contract or indicate that one is in process with DWR to conduct a PIP.

Water Quality Monitoring

In order to demonstrate that the water source(s) are of consistent, predictable, and acceptable quality the NP proponent shall monitor water quality. The proponent shall, for the duration of the program, regularly report on operations as they affect water quality, monitoring data and water quality changes. Both DPH title 22 and a short list of Constituents of Concern (COC) shall be monitored for based upon one of the following water quality monitoring options.

Constituents of Concern Current COC are Arsenic, Bromide, Chloride, Nitrate, Sulfate, Organic Carbon, and Total Dissolved Solids. These COC's may be changed as needed.

Water Quality Monitoring Options NP proponents shall select one of the testing options below and perform all water quality testing and provide analytical results in

a timely manner as described herein. Monitoring shall be conducted for initial well start-up, periodic well re-testing and on-going testing during operation. Well data should be no more than three years old. Title 22 results should be provided to DWR and the FG within two weeks of testing and COC results within one week of testing, unless other schedules are agreed upon by DWR and the FG.

Option 1 - Baseline tests for Individual Wells

Well Start-up: Title 22 tests are required for all wells participating in the program prior to start-up. An existing title 22 test that is no more than three years old may be used. A Title 22 test may be substituted for any well near a similar well with a Title 22 test of record.

Well Re-testing: Title 22 test for all wells participating every three years.

Ongoing Monitoring: COC tests are required for all discharge locations to the SWP at start up and quarterly thereafter for new programs and resumption of established programs. New programs or those with constituents that may potentially degrade the SWP shall conduct at least weekly COC sampling of all discharge locations until the proponent demonstrates that the NP water is of consistent, predictable and reliable quality. Once the nature of the discharge has been clearly established, the COC tests are required quarterly for each discharge point.

Option 2 - Baseline tests for Representative Wells

Well Start-up: COC tests of record are required for all wells participating in the program and Title 22 tests of record are required for representative wells comprising a subset of all wells. This would typically be a group of wells that are manifold together and discharge to one pipe. Representative wells shall be identified on a case-by-case basis to be representative of the manifold area, well proximity, and water levels.

Well Re-testing: Same as required in Option 1.

On-going Monitoring: COC tests are required for all discharge locations to the SWP at start up and monthly thereafter for the duration of the program and annually at each well. New programs or those with constituents that may potentially degrade the SWP shall conduct weekly COC sampling of all discharge locations until the proponent demonstrates that the NP water is of consistent, predictable and reliable quality.

Option 3 – Self Directed

A PIP may propose a water quality monitoring program for approval by DWR and the FG that is different from options 1 or 2. It must include COC and title 22 testing

that will fully characterize water pumped into the SWP and be at an interval to show a consistent, predictable and reliable quality.

Analytical Methods

Analytical laboratories used by project proponents shall be DPH certified by the Environmental Laboratory Accreditation Program (ELAP) and use EPA prescribed and ELAP accredited methods for drinking water analysis. Minimum Reporting Levels must be at least as low as the DPH required detection limits for purposes of reporting (DLR). The current DLRs are listed on the DPH website at Http://www.cdph.ca.gov/certlic/drinkingwater/Pages/MCLsandPHGs. DWR shall continue to use Bryte Chemical Laboratory as it's analytical and reference lab.

Flow Measurements

The project proponent shall maintain current, accurate records of water production rate and volume from each source, as well as, each point of discharge into the SWP. All flow measurements shall be submitted to regularly to DWR.

RECONSIDERATION

If an NP proponent disagrees with the FG or DWR decision or feels that there is an overriding benefit of the proposal, the proponent may request reconsideration from DWR on the basis of overriding public benefit or water supply deficiency. DWR shall consider these requests on a case-by-case basis.

ONGOING PROGRAM

Any NP Proponent who has successfully established a NP water inflow program (Including existing Kern Fan Banking Projects, Kern Water Bank, Pioneer and Berrenda Mesa Projects, Semitropic Water Storage District Wheeler Ridge Mariposa Water Storage District and Arvin Edison Water Storage District) may reinitiate the program by notifying DWR at least ten days before inflow is scheduled to begin and provide the following information:

- Updated water quality data and/or updated modeling that adequately reflects the quality of water to be introduced into the SWP.
- Turn-in location.
- Expected rate and duration of inflow. DWR shall notify the FG of this reinitiating of inflow.
- Water quality monitoring schedule that meets the objective of this policy.

FUTURE NP PROGRAMS

Future NP projects should be planned and designed considering the following items:

- Projects involving water quality exceeding primary drinking water standards shall show that the water shall be treated or blended before it enters the SWP to prevent water quality impacts.
- The project proponent of a Tier 2 proposal should clearly identify and establish that water inflow shall be managed and operated such that poor quality water will be blended with better quality water so that SWP water quality will not be degraded upon acceptable levels as determined by the FG and DWR.
- If a significant water supply deficiency exists and it is recommended by the FG that raw water quality criteria be set aside to ensure adequate supply, such action shall be subject to approval by the DPH.
- The project proponent of a NP inflow program which degrades SWP water quality shall identify mitigation to downstream water contractors for water quality impacts associated with increased water supply or treatment costs.

DWR ROLE

DWR shall seek, as needed, DPH or SWC recommendations on changes or additions to this document governing the NP water quality projects. The FG shall review proposed changes or additions prior to implementation by DWR, as needed.

DWR and or the United States Bureau of Reclamation (for San Luis Canal inflow) shall have ultimate responsibility for approving the water quality of all NP inflow, as well as, the oversight of monitoring and tracking the water quality of operating programs. DWR shall also ensure that the proponents of the NP inflow program perform according to their proposals, and will take appropriate action in the event of non-conformance.

Project Proposal Review Process

Upon receipt of a proposal for PIP, DWR shall review it for adequacy. DWR shall consider all PIPs based upon these guidelines. Review shall take no more than one month after receiving a complete program proposal. If necessary, DWR will convene timely meetings with the FG during the review. At a minimum the review will include

- Examination of all documents and data for completeness of the PIP.
- Notification of the affected Field Divisions, and the FG has been received by DWR.
- Consideration by DWR of comments from all parties before the final decision.
- Upon completion of the review DWR will notify the proponent and FG of the acceptance of the PIP or explain the reason(s) for rejecting it.
- DWR may reconsider a decision on a PIP based upon a recommendation from the FG. Reconsideration by DWR will be on a case-by-case basis.

Periodic Review

DWR may schedule periodic reviews of each operating NP inflow with input from the FG. As part of the review, program proponents shall provide the following information:

- Summary of deliveries to the Aqueduct.
- Water quality monitoring results.
- Proposed changes in the program operation.

The review may result in changes in monitoring and testing required of the program proponent as a result of;

- New constituents being added to the EPA /DPH list of drinking water standards.
- Changes in the maximum contaminant levels for the EPA/DPH list of drinking water standards.
- Identification of new constituents of concern.
- Changes in the water quality provided by the program.
- Changes in constituent background levels in the California Aqueduct.

This procedure shall recognize emerging contaminants and/or those detrimental to agricultural viability as they are identified by the regulatory agencies and shall set appropriate standards for water introduction based upon ambient levels in the California Aqueduct or State Notification Levels. Emerging contaminants are those that may pose significant risk to public health, but as yet do not have an MCL. Currently the Office of Environmental Health Hazard Assessment and the DPH establish Public Health Goals and Notification Levels, respectively. These levels, though not regulated, do provide health-based guidance to water utilities and can require public notification if exceeded.

Water Quality Review

DWR shall track and periodically report to the FG on water quality monitoring results on the SWP from NP water inflow and make all water quality data available to the public upon request.

- DWR shall review analyze and maintain all records of water quality testing conducted by the proponent of the well(s), source(s) and discharge(s) into the SWP.
- DWR shall determine what additional water quality monitoring, if any, is necessary within the SWP to ensure adequate protection of SWP water quality. DWR shall conduct all water quality monitoring within the SWP.
- DWR may prepare periodic reports of NP projects.

On-site Surveillance

The appropriate Field Division within DWR will be responsible for review and approval of all construction activities within the SWP right-of-way. Plans showing the discharge system piping, valves, sampling point, meters and locations must be submitted and approved prior to any construction. In addition, the appropriate Field Division will be responsible for confirmation of all meter readings and water quality monitoring conducted by the proponent.

- Field division staff may visit, inspect, and calibrate meters and measure flow conditions at each source or point of inflow into the SWP.
- Flow meters, sampling ports and anti-siphon valves must be conveniently located near the SWP right-of-way.
- Field division staff may collect water samples at each source or point of discharge into the SWP.
- The appropriate Field Division shall conduct additional water quality monitoring within the SWP, if deemed necessary, to assure compliance with the NP Inflow Criteria.
- DWR shall monitor aqueduct water quality and analyze several “split samples” of the water at the point of introduction into the aqueduct to ensure consistent analytical results.

POLICY APPROVAL

Approval Recommended
Date _____

_____
David V. Starks
Chief, Division of Operations and Maintenance
Department of Water Resources

Approved
Date _____

_____
Carl A. Torgersen
Deputy Director State Water Project
Department of Water Resources

Table A1 HISTORICAL WATER QUALITY CONDITIONS 1988 TO 2011 AT O'NEILL FOREBAY OUTLET (mg/L)

Parameter	Mean	Min.	Max.	Std. Dev.
Aluminum	0.03	0.01	0.527	0.05
Antimony	0.002	0.001*	0.005	0.002
Arsenic	0.002	0.001	0.004	0.001
Barium	0.05	0.05	0.068	0.002
Beryllium	0.001*	0.001*	0.001*	0.000
Bromide	0.22	0.04	0.54	0.16
Cadmium	0.003	0.001	0.005	0.002
Chromium	0.004	0.001	0.011	0.002
Copper	0.004	0.001	0.028	0.003
Fluoride	0.1	0.1	0.5	0.1
Iron	0.037	0.005	0.416	0.050
Manganese	0.009	0.005	0.06	0.007
Mercury	0.001	0.0002	0.001	0.0004
Nickel	0.001	0.001	0.004	0.0005
Nitrate	2.9	0.2	8.1	1.6
Selenium	0.001	0.001	0.002	0.0001
Silver	0.003	0.001	0.005	0.002
Sulfate	42	14	99	15
Total Organic Carbon	4.0	0.8	12.6	1.6
Zinc	0.007	0.005	0.21	0.01

*These values represent reporting limits. Actual values would be lower

Table A2 O'Neill Forebay Outlet Total Dissolved Solids Criteria by Water Year Classification, 1988-2011 (mg/L)

Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	227.2	262.5	295.4	228.9	213.8	231.2	184.4	226.5	181.5	171.4	195.7	157.3
Near Normal	317.9	324.7	351.7	295.4	268.1	302.7	270.0	285.1	230.1	211.9	170.9	202.6
Dry	286.4	319.6	370.0	362.0	344.2	305.2	240.4	278.2	307.3	234.8	269.0	336.6
Critical	256.6	312.9	372.9	367.0	361.0	335.0	307.1	291.8	335.1	325.7	339.4	328.8

* Year type is based on water year classification. Below normal and above normal year types have been combined into one designation called "near normal."

Table A3 O'Neill Forebay Outlet Bromide Criteria by Water Year Classification, 1988-2011 (mg/L)

Year Type	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	0.19	0.24	0.28	0.13	0.10	0.12	0.12	0.17	0.12	0.12	0.13	0.10
Near Normal	0.31	0.31	0.34	0.21	0.15	0.15	0.18	0.22	0.15	0.15	0.14	0.19
Dry	0.25	0.29	0.35	0.35	0.24	0.20	0.17	0.24	0.27	0.13	0.29	0.41
Critical	0.26	0.28	0.32	0.37	0.33	0.27	0.22	0.22	0.28	0.28	0.32	0.37

* Year type is based on water year classification. Below normal and above normal year types have been combined into one designation called "near normal."

Table A4 O'Neill Forebay Outlet Total Organic Carbon Criteria by Water Year Classification, 1988-2011 (mg/L)

Year Type*	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wet	2.8	2.9	3.9	5.2	4.8	3.8	3.9	3.4	3.1	3.2	3.1	2.7
Near Normal	3.7	4.1	4.0	7.0	6.3	5.6	4.7	4.4	4.0	3.3	3.3	3.4
Dry	3.0	3.0	4.0	5.7	4.8	5.7	4.5	3.6	3.7	2.9	2.9	2.7
Critical	2.8	3.1	3.3	4.9	6.0	5.7	4.7	4.0	3.8	3.9	4.0	3.5

* Year type is based on water year classification. Below normal and above normal year types have been combined into one designation called "near normal."

WATER QUALITY MONITORING SCHEDULE

Community System, > 3300 population, groundwater/agricultural **(CLGA)**

UPDATED - April 2018

This schedule contains default frequencies and does not change any approved modified frequencies specific to your water system. Contact your district office if you have any questions.

Chemical - Title 22	MCL (mg/L)	Frequency (1)
Primary Inorganics - Section 64432		
Aluminum	1	Every 3 years
Antimony	0.006	Every 3 years
Arsenic	0.010	Every 3 years
Barium	1	Every 3 years
Beryllium	0.004	Every 3 years
Cadmium	0.005	Every 3 years
Chromium (Total Chromium)	0.05	Every 3 years
Cyanide	0.15	Waived (2)
Fluoride	2.0	Every 3 years
Mercury	0.002	Every 3 years
Nickel	0.1	Every 3 years
Perchlorate	0.006	Every 3 years (3)
Selenium	0.05	Every 3 years
Thallium	0.002	Every 3 years
Asbestos - Section 64432.2		
Asbestos - Source Water	7 MFL	Waived (2)
Asbestos - Distribution System sampling if Asbestos-Cement pipe used	7 MFL	Every 9 years if Aggressive Index ≤ 11.5
Nitrate/Nitrite - Section 64432.1		
Nitrate (as N)	10	Annually if ≤ 5 mg/L (4)
Nitrite (as nitrogen)	1	Every 3 years if ≤ 0.5 mg/L (5)
Nitrate + Nitrite (sum as nitrogen)	10	N/A
Secondary Standards - Table 64449-A		
Aluminum	0.2	Every 3 years
Color	15	Every 3 years
Copper	1.0	Every 3 years
Foaming Agents	0.5	Every 3 years
Iron	0.3	Every 3 years
Manganese	0.05	Every 3 years
Methyl-*tert*-butyl ether (MTBE)	0.005	Every 3 years
Odor	3	Every 3 years
Silver	0.1	Every 3 years
Thiobencarb	0.001	Every 3 years
Turbidity	5	Every 3 years
Zinc	5	Every 3 years
General Minerals - Section 64449		
Bicarbonate	N/A	Every 3 years
Carbonate	N/A	Every 3 years
Hydroxide Alkalinity	N/A	Every 3 years
Calcium	N/A	Every 3 years
Magnesium	N/A	Every 3 years
Sodium	N/A	Every 3 years
Hardness	N/A	Every 3 years
pH	N/A	Every 3 years
Secondary Standards - Table 64449-B		
TDS	500-1000;1500	Every 3 years
Specific Conductance	900-1600; 2200	Every 3 years
Chloride	250-500;600	Every 3 years
Sulfate	250-500;600	Every 3 years

MCL = Maximum Contaminant Level

Contact your district office with any questions.

(1) Sampling shall be increased to quarterly following any result > MCL.

(2) Use waiver granted.

(3) Perchlorate: This frequency applies if there were no detections in the initial monitoring.

(4) Nitrate (as N) sampling shall increase to quarterly following any result ≥ 5 mg/L. Upon request to your distirct office, this may be reduced to an annual frequency after 4 quarters of monitoring.

(5) Nitrite sampling shall be increased to quarterly following any result ≥ 0.5 mg/L. Upon request to your district office, this may be reduced to an annual frequency after 4 quarters of monitoring.

WATER QUALITY MONITORING SCHEDULE

Community System, > 3300 population, groundwater/agricultural **(CLGA)**

UPDATED - April 2018

Chemical - Title 22	MCL (mg/L)	Frequency (6) & (7)
VOCs - Table 64444-A (a)		
Benzene	0.001	3 annuals, then every 3 years
Carbon Tetrachloride	0.0005	3 annuals, then every 3 years
1,2-Dichlorobenzene	0.6	3 annuals, then every 3 years
1,4-Dichlorobenzene	0.005	3 annuals, then every 3 years
1,1-Dichloroethane	0.005	3 annuals, then every 3 years
1,2-Dichloroethane	0.0005	3 annuals, then every 3 years
1,1-Dichloroethylene	0.006	3 annuals, then every 3 years
cis-1,2-Dichloroethylene	0.006	3 annuals, then every 3 years
trans-1,2-Dichloroethylene	0.01	3 annuals, then every 3 years
Dichloromethane	0.005	3 annuals, then every 3 years
1,2-Dichloropropane	0.005	3 annuals, then every 3 years
1,3-Dichloropropene	0.0005	3 annuals, then every 3 years
Ethylbenzene	0.3	3 annuals, then every 3 years
Methyl-*tert*-butyl ether (MTBE)	0.013	3 annuals, then every 3 years
Monochlorobenzene	0.07	3 annuals, then every 3 years
Styrene	0.1	3 annuals, then every 3 years
1,1,2,2-Tetrachloroethane	0.001	3 annuals, then every 3 years
Tetrachloroethylene (PCE)	0.005	3 annuals, then every 3 years
Toluene	0.15	3 annuals, then every 3 years
1,2,4-Trichlorobenzene	0.005	3 annuals, then every 3 years
1,1,1-Trichloroethane	0.200	3 annuals, then every 3 years
1,1,2-Trichloroethane	0.005	3 annuals, then every 3 years
Trichloroethylene (TCE)	0.005	3 annuals, then every 3 years
Trichlorofluoromethane	0.15	3 annuals, then every 3 years
1,1,2-Trichloro-1,2,2-Trifluoroethane	1.2	3 annuals, then every 3 years
Vinyl Chloride	0.0005	3 annuals, then every 3 years
Xylenes (total)	1.750	3 annuals, then every 3 years
SOCs - Table 64444-A (b)		**CQtrs = 2 consecutive quarters**
1,2,3-Trichloropropane (1,2,3-TCP)	0.000005 mg/L	4 quarters, then 2 CQtrs every 3 years (8)
Alachlor	0.002	2CQtrs every 3 years
Atrazine	0.001	2CQtrs every 3 years
Bentazon	0.018	Waived (2)
Benzo(a)pyrene	0.0002	Waived (2)
Carbofuran	0.018	Waived (2)
Chlordane	0.0001	Waived (2)
2,4-D	0.07	Waived (2)
Dalapon	0.2	Waived (2)
Dibromochloropropane (DBCP)	0.0002	2CQtrs every 3 years
Di(2-ethylhexyl)adipate	0.4	Waived (2)
Di(2-ethylhexyl)phthalate	0.004	Waived (2)
Dinoseb	0.007	Waived (2)
Diquat	0.02	Waived (2)
Endothall	0.1	Waived (2)
Endrin	0.002	Waived (2)
Ethylene Dibromide (EDB)	0.00005	2CQtrs every 3 years
Glyphosate	0.7	Waived (2)
Heptachlor	0.00001	Waived (2)
Heptachlor Epoxide	0.00001	Waived (2)
Hexachlorobenzene	0.001	Waived (2)
Hexachlorocyclopentadiene	0.05	Waived (2)
Lindane	0.0002	Waived (2)
Methoxychlor	0.03	Waived (2)
Molinate	0.02	Waived (2)
Oxamyl	0.05	Waived (2)
Pentachlorophenol	0.001	Waived (2)
Picloram	0.5	Waived (2)
Polychlorinated Biphenyls	0.0005	Waived (2)
Simazine	0.004	2CQtrs every 3 years
Thiobencarb	0.07	See Thiobencarb frequency on page 1
Toxaphene	0.003	Waived (2)
2,3,7,8-TCDD (Dioxin)	0.00000003	Waived (2)
2,4,5-TP (Silvex)	0.05	Waived (2)

(6) This frequency applies only to chemicals for which previous results have shown no detectable results (ND). **Contact your district office for a potential waiver.**

(7) Contact **your district** office **within 48 hours of receipt of any result exceeding the MCL** for a special monitoring schedule.

(8) 1,2,3-TCP effective 1/1/18. Data substitution of up to 3 quarters of results allowed for initial monitoring compliance with at least 1 of 4 quarters sampled in the initial monitoring year. Written request required for data substitution.

APPENDIX B

WATER QUALITY MONITORING SCHEDULE
Community System, > 3300 population, groundwater/agricultural **(CLGA)**
UPDATED - April 2018

Radiological Monitoring

Radioactivity - Section 64442	MCL	Frequency
Gross Alpha particle activity (excluding radon & uranium)	15 pCi/L	Based on result of last sample (9)
Radium-226	5 pCi/L Combined Radium-226 + -228	When (GA-Uranium) > 5 pCi/L (10)
Radium-228	5 pCi/L Combined Radium-226 + -228	Waived (9)
Uranium	20 pCi/L	When GA > 5 pCi/L (10)
Man Made Radioactivity - Section 64443		
Tritium	20000 pCi/L	Not Required
Strontium	8 pCi/L	Not Required
Gross Beta	50 pCi/L	Not Required

9. Routine Monitoring

a) Routine monitoring frequency for Gross Alpha is based on last sample collected.

Gross Alpha	Monitoring Frequency
Less than 3 pCi/L	1 sample every 9 years
≥ 3 and ≤ 7.5 pCi/L	1 sample every 6 years
> 7.5 and ≤ 15 pCi/L	1 sample every 3 years

b) Routine monitoring frequency for Radium-228 will be waived if there is no MCL exceedance.

10. Triggered Monitoring

A frequency is generally not assigned to radium-226 or uranium as the monitoring for these constituents is dependent on the gross alpha results.

a) If the Gross Alpha particle activity is less than or equal to 5 pCi/L, analysis for Uranium is not required.

b) If the Gross Alpha particle activity for any single sample is greater than 5 pCi/L, analysis for Uranium in that same sample is required. If any single sample for Uranium is greater than 20 pCi/L, monitor at least 4 quarters for Uranium.

c) If the Gross Alpha particle activity is > 5 pCi/L, analysis for uranium may be used to obtain the radium-226 activity (GA - Uranium = Radium-226). If GA - Uranium > 0, contact your district office. If GA - Uranium < 0, report only the GA and Uranium results.

Important - The analysis for any or all of the constituents noted above should be from **the same sample**. On the chain-of-custody, uranium can be noted as: 'Hold Uranium (only analyze if GA > 5pCi/L)'.

Contact your district office if the MCL is exceeded, or for clarification on monitoring frequencies.

APPENDIX C

California Department of Water Resources produces reports titled “Water Quality Assessment of Non-Project Turn-ins to the California Aqueduct, 20XX” and “Water Quality Assessment of Surface Water introductions to the California Aqueduct, 20XX”. These reports analyze the impacts that the pump-in programs have on the California Aqueduct water quality. Prior to 2010 the portion of the Kern Fan Operations and Monitoring report dedicated to Kern Fan Project Turn-Ins were a few pages in length and would be attached as an Appendix to the Kern Fan Area Operations and Monitoring Report. However, the portion dedicated to the Kern Fan region has grown to include a large part of the report as of 2012. As a result the link to request the report is listed below:

As of August 2023, the link to request this report can be found at https://californiadwr.mycusthelp.com/WEBAPP/_rs/supporthome.aspx

The 2019-2021 reports are not yet available, as of August 15th, 2023.

Construction Activities from 2017-2021

Kern Water Bank Authority Construction Activities

The Kern Water Bank as part of an IRWM project reconstructed perimeter berms for ponds E3, E5 and E6 all located in 30S/25E Section 11, and installed new pre-cast concrete water structures at each pond. Some of the water structures were gated and others use weir boards for controlling water flows. There were also several concrete pre-cast water control structures replaced in recharge basins.

Kern Delta Water District Construction Activities

In 2017 Kern Delta Water District converted 30-acres of District-owned land located adjacent to the Romero Spreading Basins into useable recharge ground. The District was able to utilize this ground for banking throughout 2017 by constructing temporary levees and inlet structures. The District initiated a grower recharge program in 2017 where growers were incentivized to bank water on private property by using existing turnouts. Although this program did not involve new construction it did make available approximately 1,800 acres of private property for water banking in 2017. A new 48-inch turnout structure and inlet pipe was installed on the Buena Vista East Canal to deliver water to the Interstate 5 recharge pit located at Bear Mountain Boulevard. The District installed a new inlet structure in Pond 1 of the Buna Vista recharge basins located adjacent the Buena Vista Canal near Taft Highway.

The Kern Island Basins originally consisting of 157 acres was the first groundwater facility built by the District. In 2020, the District purchased an additional 19 acres of property located north of the six existing ponds. This additional property was developed in 2021 and became the seventh pond, bringing the total recharge acreage of the Kern Island Basins to approximately 176 acres.

The Branch One Basins, totaling 66 acres, were designed and completed in 2018. In 2020 the District acquired an additional 8 acres of land adjacent to these basins and incorporated this property into the spreading facility. The total acreage of the Branch One Basins is approximately 74 acres.

Ten acres of land were added to the existing Romero Spreading Basins in 2021, bringing the total facility acreage to approximately 165 acres.

Currently the District owns and operates approximately 1,122 gross acres of gravity fed spreading basins located along the Kern Island, Stine, Farmers, Buena Vista, and Eastside Canals. In addition, the District owns and operates 20 groundwater wells associated with its water banking programs.

Pioneer and Berrenda Mesa Projects

Pioneer Project rehabilitation of 10 wells occurred between 2018-2021. These wells included KCWA-01, KCWA-03, KCWA-07, KCWA-14, KCWA-16, KCWA-25, KCWA-32, KCWA-R01 and KCWA-R04.

During 2018-2021, the following work was initiated:

1. Completed the North Pioneer Western Boundary Fencing Project
2. Completed the construction of monitoring wells 10P and 06R on Pioneer property as well as the construction of super shallow monitoring wells for 15N, 10P, and 06R
3. Feasibility studies and started work on the following aspects of the Pioneer Recharge Improvements Project:
    a. Pond 5a West Levee repair
    b. North Pioneer interbasin structure
    c. Basin 9 Turnout
    d. Nord Siphon Replacement
    e. South Pioneer James Canal Culverts
    f. Basin 1 Turnout
    g. Pioneer intervasin structure replacement
    h. James Canal dredging
    i. Pond JW-7 BU turnout reconstruction
    j. James Canal spillway construction
4. KCWA-29 and KCWA-32 permanent pipelines
5. North Pioneer Section 4 Pond 3 interbasin Turnout Project
6. North Pioneer West Basin Project

Berrenda Mesa property also saw some repairs to levees during this time. Berrenda Mesa rehabilitation of 5 wells occurred between 2018-2021. These wells included BK-04, BK-07, BK-09, BK-10 and BK-12.

Rosedale-Rio Bravo Water Storage District Construction Activities

In 2018-2021, Rosedale-Rio Bravo Water Storage District commenced with a number of water banking expansion projects that included conveyance, recharge, and recovery capacity improvements. By the end of 2021 the following was completed:

- Conveyance. The District improved conveyance by completing a 200 CFS pumping station to serve recharge basins, and provide a greater flexibility to deliver water based on source. The pump stations connect the CVC to the Goose Lake Channel via the Central Intake Pipeline, to be used for both recharge and recovery capacity.
- Recharge. 185 acres of new recharge basins were constructed in the Stockdale Hwy and Enos Lane area (Stockdale East Ponds)

- Recovery. Six wells were constructed and equipped called the Superior Well Field, and connected into the Central Intake Pipeline which conveys recovery water to the CVC. Two additional wells were constructed and equipped in the Stockdale East Basin area (Stockdale Hwy and Enos Ln.) and tied-in to the Central Intake pipeline. Conveyance pipelines were constructed to serve as both banking return and in-lieu recharge operations.

Improvement District No. 4 Construction Activities

Recovery Wells

Beginning in 2018 and finishing in September 2021, ID4 completed repairs to the following recovery wells: ID4-03 (SWN 29S/26E-31R01), ID4-09 (SWN 29S/27E-31P01), ID4-10 (SWN 30S/26E-01B01). These repairs were performed in 2021.

West Kern Water District Construction Activities

2018 – West Kern completed well rehabilitation on 3 production wells: NW3- Replacement of the 6 stage 5EHM Flowserve pump, strainer, refurbish 12" Flowserve head, install new head shaft, replace shafts, sleeves & vesconite rubbers. Well site 6-06 emergency repair, perform well rehabilitation, testing and replacement of pump with new Flowserve 7 stage 16ENH pump, vesconite bearings and pump shafts. Well site 7-02, perform well rehabilitation, testing and repairs to existing pump, column pipe and line shafts. Well site NW2, perform power analysis testing. Completed pump performance testing on all production wells & baseline elevation surveys on all production and monitor well pads.

2019 - Replacement of Variable Frequency Drives at Well Sites NW2 & NW4. Rehabilitation on the following wells, which include well videos, pump & casing inspection and repair/replacement of equipment if required: NW1 & Well 2-01. NW1 was also chemically treated. West Kern crews replaced Well 2-02 discharge line from the above ground connection to the below ground flange at the check valve.

2020 - West Kern rehabilitated the following wells which included well videos, pump & casing inspection and any repairs/replacement required: NW1, NW3 NW5, & Well 2-01. Well 2-02's discharge line was also replaced with a discharge line from the above ground connection to the below ground flange at the check valve.

2021, West Kern completed weed abatement of transfer canals and levee roads at both the South & North Well Fields, performed baseline elevation survey measurements on all production and monitoring well sites, installed a PLC at the CVC Turn in with antenna pole extension, solar module, battery and battery box, and retrofitted the existing weir gates including installation of remote valve controls and water level transmitters at South Well Field Basins B1, B2, & B3. Well2-02 & Well 6-01 Rehabilitation including 2 well videos, pump & casing inspection and any repairs/replacement required.

Other projects competed during the reporting period included solar site module performance testing, replacement of existing data concentrators on the SCADA system, road repairs into South Well Field, and an energy analysis.

Buena Vista Water Storage District Construction Activities

2016-2018	Brackish Groundwater Recovery Project
2016-2017	Palms South Recharge Facility – 300 acres
2017	Palms West Recharge Facility – 140 acres
2017	Buerkle Pipeline
2017	Northern Area Pipeline South Extension

DEFINITIONS

Acre-Foot (AF)	The quantity of water required to cover one acre of land to a depth of one foot (325,851 gallons).
Agency	Kern County Water Agency (KCWA)
Aquifer	Geologic formations or parts of formations which store and convey water through pore spaces and/or fractures and when tapped (as by a well) may yield water.
Bank Account	An amount of water that is recoverable by a Participant as a result of such Participants spreading and banking or transfer of water.
Berrenda Mesa Participants	The group of Water Districts that entered into the "Agreement Regarding Joint Water Banking Project on the Berrenda Mesa Property" with the Kern County Water Agency and Berrenda Mesa Water District in October 1999. The Districts include: Berrenda Mesa WD, Belridge WSD, Lost Hills WD and Wheeler Ridge-Maricopa WSD.
Berrenda Mesa Project	Facilities available for use by the Berrenda Mesa Participants which include recharge on the 369 acre Berrenda Mesa WD property located in the Kern Fan west of Allen Road and generally east of Renfro Road, north of Ming Avenue and ½ mile south of Stockdale Hwy. The project also includes six water production (recovery) wells located on the Berrenda Mesa property and six water production (recovery) wells located on the Pioneer Property.
cfs	Cubic feet per second, a rate of flow. = 448.8 gallons per minute = 646,317 gallons per day = 1.98347 acre-feet per day
Change in Groundwater Storage	The change in volume of water stored in aquifers within the groundwater basin.
Groundwater Storage	A volume of water stored in aquifers within the groundwater basin.
City	City of Bakersfield
Composite Well	A well tapping two or more major water producing zones.
Confined Aquifer	Groundwater bearing strata constrained at its upper and lower surfaces by impervious units (aquitards).
Confining Bed	The least permeable bed, below the water level, in a stratigraphic sequence; beds may be permeable enough to transmit water vertically, but their permeability is generally not sufficient to allow the completion of production (recovery) wells within them. Formerly referred to as an aquitard.

Corcoran Clay	A thick, low permeability layer of clay, of middle to lower Pleistocene age, which lies under much of the western San Joaquin Valley. This clay layer separates the water producing strata into two aquifers. The unconfined aquifer lies above the Corcoran Clay. The confined aquifer lies below the Corcoran Clay.
CVC	The Cross Valley Canal
CVP	The federal Central Valley Project. The Friant-Kern Canal is its major feature in Kern County.
Delivery	The amount of water conveyed or act of conveying water to recharge projects.
DWR	California Department of Water Resources. The operators of the State Water Project (California Aqueduct).
Electrical Conductivity (EC) (also called Conductance)	A measure of the ability of water to conduct an electrical current, which can be related to the concentration of total dissolved solids (TDS). The normal unit of measurement is microsiemens per centimeter. This term is also referred to as Specific Electrical Conductivity (SEC).
Evapotranspiration	The combination of evaporation from soil surfaces, and transpiration of water by plants.
ft/yr	Feet per year, often referring to recharge rates derived from acre-feet per acre-year.
gpm	Gallons per minute, rate of flow.
Groundwater	Water that occurs beneath the water table in geologic materials that are fully saturated.
Groundwater Level Profile	A line along a given vertical plane, which shows the water level at a specific point in time. Also referred to as Hydrologic Profile and Subsurface Hydrologic Cross-Section.
Head	Pressure of water upon a unit area due to the height at which the surface of the water stands above the point where the pressure is determined.
Hydraulic Conductivity	The quantity of water that will flow through a unit cross-sectional area of a porous medium per unit time under a hydraulic gradient of 1 (100 percent) at a specified temperature. Usually expressed as the flow in gallons per day through a cross section of one square foot of water bearing medium under a hydraulic gradient of 1 at a temperature of 60 degrees Fahrenheit.
Hydraulic Gradient	The vertical change in head divided by the horizontal distance of flow. Also termed the water level slope.
Infiltration	The entry into the soil of water from the ground surface.

In-lieu Recharge	The process of recharging groundwater supplies by substituting surface water for groundwater that would otherwise have been pumped.
Irrigation Efficiency	The amount of applied irrigation water that actually goes to satisfy net crop water demands, (i.e. evapotranspiration), expressed as a percent of the applied water.
Kern Fan	The portion of the Kern River alluvial fan west of Buena Vista Road, east of the California Aqueduct, north of Bear Mountain Blvd., and south of Rosedale Highway that includes the following Projects: Kern Water Bank, City of Bakersfield 2800 Acre Spreading Facility, Pioneer Project, Kern River Channel, Berrenda Mesa Spreading Facility, West Kern Water District and Buena Vista Recharge Facilities, Joint Use Recovery Project, Buena Vista Canal (Kern Delta Water District), and Rosedale-Rio Bravo Water District Spreading Facilities.
Kern Fan Monitoring Committee	A group comprised of representatives from adjoining entities, water banking entities and an independent groundwater specialist initially as per the MOU.
Kern Water Bank	The water recharge and recovery project owned by the Kern Water Bank Authority
Kern Water Bank Adjoining Entities	The water districts that encompass lands and/or operate existing projects lying adjacent to the boundaries of the Kern Water Bank. Those water districts include: Buena Vista Water Storage District (BVWSD), Rosedale-Rio Bravo Water Storage District (RRBWSD), Kern Delta Water District (KDWD), Henry Miller Water District (HMWD) and West Kern Water District (WKWD).
Kern Water Bank Participants	The group of water districts and other water entities that have collectively formed the Kern Water Bank Authority (KWBA). The group includes: Dudley Ridge Water District (DRWD), Kern County Water Agency/Improvement District 4 (KCWA/ID4), Semitropic Water Storage District (SWSD), Tejon-Castac Water District (TJWD), Westside Mutual Water Company, LLC (WMWC), and Wheeler Ridge-Maricopa Water Storage District (WRMWSD).
Kern Water Bank Project	19,900 acres of land located west of the Southern Pacific Railroad, east of Elk Hills Naval Petroleum Reserve, south of Stockdale Highway and north of Taft Highway transferred from the State of California Department of Water Resources to the Kern Water Bank Authority in August, 1996.
Losses	Water that is considered non-bankable and non-recoverable. A. Surface Recharge Losses ▪ An agreed upon percentage (6%) of water diverted for recharge that does not add to groundwater storage as established in the MOU. B. Other Losses ▪ An agreed upon percentage (4%) of the water recharged (Deliveries minus Surface Recharge Losses) to account for all other actual or potential losses (including migration losses) as established in the MOU.

MOU	Memorandum of Understanding signed by participants and adjoining entities. The Kern Water Bank MOU established the Kern Fan Monitoring Committee with subsequent MOUs being developed.
Overdraft	A long-term condition in which groundwater extractions exceed groundwater recharge.
Overdraft Correction	The delivery and recharge of surface water for the replacement of groundwater previously overdrafted.
Overdraft Correction Account	An amount of water that is recharged by a participant for the purpose of overdraft correction. Special conditions apply to the management of this water as described in the Pioneer Project Participant Agreement.
Pioneer Project	The Pioneer Property and the Agency•s rights to spread or recover water, or both, in 1) the 2800-Acres; 2) the Kern River channel east of the 2800-Acres; and 3) any land, other than the Pioneer Property, which the Agency has or acquires the use of in Sections 4, 5, 6, 11, 12, 13, and 14 of T30S, R26E, and Section 9, T30S, R25E, MDB&M for similar purposes.
Pioneer Project Participants	The group of Water Districts that entered into the "Pioneer Project Participation Agreement" in 1998. The group includes Kern County Water Agency, Buena Vista WSD, Henry Miller WD, Kern Delta WS, Rosedale-Rio Bravo WSD, Wheeler Ridge-Maricopa WSD, Tejon-Castac WD, Semitropic WSD, Lost Hills WD, Belridge WSD, Berrenda Mesa WS and Kern County Water Agency on behalf of Improvement District 4.
Potentiometric Surface	The surface to which the ground water in a confined aquifer rises when tapped by a well.
ppb	Part per billion, equivalent to one microgram per liter (µg/L).
ppm	Part per million, practically equivalent to one milligram per liter (mg/L).
Recharge	Water percolating from spreading facilities or canals to the underlying groundwater.
Recharge Water	A quantity of water that adds to groundwater storage.
Sacramento River Index	An index used by the California Department of Water Resources to forecast available water supplies and SWP delivery capabilities. The index consists of the forecasted or computed unimpaired flows of the Sacramento River near Red Bluff, Feather River at Oroville Reservoir, Yuba River and Smartville and American River at Folsom Reservoir.
Specific Electrical Conductivity (SEC)	A measure of the ability of water to conduct an electrical current, which is related to the concentration of total dissolved solids. The normal unit of measurement is microsiemens per centimeter. (see also Electrical Conductivity)
Specific Yield	The volume of water that an unconfined aquifer releases from storage per unit surface area of aquifer per unit decline in the water table.

Spreading	The amount of water delivered or act of delivering water into recharge facilities.
SWP	The State Water Project.
TDS	Total dissolved solids. A measurement of the dissolved matter in water, consisting mainly of inorganic salts. Expressed in milligrams per liter (mg/L) or tons per acre-foot (tons/AF).
Transmissivity	A value that equates to the saturated thickness of an aquifer, multiplied by the hydraulic conductivity. The transmissivity governs the amount of groundwater flow through a given width of the aquifer at a unit hydraulic gradient (100%).
Turbidity	A measure of the presence of suspended and colloidal matter that causes light to be scattered in water. Usually reported in NTUs (Nephelometric Turbidity Units).
2800-Acres	Approximately 2800-acres of land owned by the City along the Kern River channel between Renfro Road and Interstate 5 used for groundwater recharge and banking projects.
Unconfined Aquifer	A groundwater bearing geologic formation that is not constrained at is upper surface by an impervious or semi-impervious stratum, such as a confining bed.
Unsaturated Zone	That portion of the soil below ground surface that is above the water table and capillary fringe, and in which the soil pores are only partially filled with water. Also referred to as the Vadose Zone or Zone of Acration.
USBR	United States Bureau of Reclamation. The operators of the Federal Central Valley Project.
USEPA	United States Environmental Protection Agency.
Water Budget	A mathematical accounting of water in a system or watershed. Also referred to as Water Balance or Hydrologic Budget.
Water Board	City of Bakersfield, Water Board.
Water Table	The surface on which the fluid pressure in the subsurface pores is exactly atmospheric. The location of this surface is revealed by the level at which water stands in a shallow well open along its length and penetrating the surficial deposits just deeply enough to encounter the shallowest groundwater.