Original given to Dale Jones 6/30/82

Field	Formation & Zone	A Drinking Water Aquifer Declaration	B[1] Depth	C Distance to Towns	Land Ownership	Alternate Water Source[2]	Unusual Geology	D Formation TDS	E Yield of water
Buckwells Corner	Tumey	is not a source	Fm. top: 1,473' Deepest WW: N/A	16 miles to Lost Hills	Agriculture	Small amt. of usable water in Buttonwillow Canyon area, most domestic H2O shipped from T26S, R 22 & 23E tot.	Fault zone to NW by [illegible] conformance	2,100-3,600	< 10%
Buena Vista	Tulare	is not a source	Fm. top: 538' Deepest WW: 500'	< 1 mile to Valley Acres 2 miles to Taft	Oilfield	All domestic water shipped from T.30S, R 23E - no water wells in use (1981) / Boron in zone is 11 ppm	none	9,200	< 12%
Kern Bluff	Kern River	is a source	Fm. top: 200' Deepest WW: 1485'	4 miles to Bakersfield	Oilfield		none	400-900	12-14%
Kern Bluff	Vedder	is not a source	Fm. top: 4,607' Deepest WW: 2125'	4 miles to Bakersfield	Oilfield	—	NW-SE trending faults and perh. barrier to NE	7,300-16,100	< 14%
Kern Front	Santa Margarita	is not a source	Fm. top: 2,548' Deepest WW: 1,813'	7 miles to Bakersfield	Oilfield	—	N-S trend - [illegible] from [illegible] acres approx. [illegible]	2,300	10-12%
Kern River	Chanac	is a source	Fm. top: 1,100 Deepest WW: 1,185'	5½ miles to Bakersfield	Oilfield	Kern River	E-W trend - [illegible]	238-925	< 14%
Kern River	Santa Margarita	is not a source	Fm. top: 1,648' Deepest WW: 1,613'	5½ miles to Bakersfield	Oilfield	Kern River	same as Chanac	600-2,600	10-14%
Kern River	Vedder	HYDROCARBON PRODUCING AS OF SEPT. 15, 1981							
Lucky Poso	Walker	is not a source	Fm. top: 1,939'+ Deepest WW: None	17 miles to Bakersfield	Rangeland & Oilfield	No residential or commercial property in area. Individual ranches use bottled water or produced H2O.	[illegible]	2,800	< 3%
Mountain View	Kern River	is not a source	Fm. top: 2,680' Deepest WW: 1,196'	< 1 mile to Arvin	Agriculture		none	4,600	14-16%
Pirate	Chanac & Kern River	Kern River is a source, Chanac is not a source	Fm. top: 3,722' - 2,756' Deepest WW: 2,215'	25 miles to Arvin 8 miles to Frazier Park	Rangeland & Oilfield	No residential property - Water wells in the area are located in Tejland to N and are [illegible]	East trending White Wolf fault acts as [illegible]	7,900-11,800	12-14%
Sand Mountain	Olcese	is not a source	Fm. top: 450' Deepest WW: 400' (two total)	10 miles to Bakersfield	Rangeland & Oilfield	Same as Mt. Poso - only one water well in field.	High, faulted area - numerous [illegible] in E-W & S-W directions	2,700	< 14%
Sand Mountain	Walker	is not a source	Fm. top: 2,300' Deepest WW: None	9 miles to Bakersfield	Rangeland & Oilfield	Same as Mt. Poso	same as Olcese	1,900	< 14%
Strand	Etchegoin	TDS OF ZONE GREATER THAN 10,000 ppm						14,190	

1 Water well depth data obtained from Kern County Water Agency

2 Obtained from Kern County Water Agency

3 " " " " " (S.Y. (%) = Volume of water the aquifer is capable of giving up / total bulk volume of reservoir (including [illegible]))

DISTRICT 2

FIELD	FORMATION	LATERAL LIMIT	DEPTH TO TOP	THICKNESS	TDS OF ZONE HISTORIC - CURRENT	TDS OF FLUID	VOLUME INJECTED	START DATE	COMMENTS
? RAMONA	PICO E.L. 1600-2000'	ENTIRE FIELD	1500 +153'	200'	5,000 -	15,300 NaCl 550-1000 g/g	1,793,000 BBLS	6/51	
? SOUTH TAPO CANYON	PICO E.L. 2440	SW PART OF FIELD	1600 +829'	70'	1,900 NaCl - ✓	600 NaCl	1,903,000 BBLS	1/48	
OAT MOUNTAIN	UNDIFF.	SECT. 19 & SW ¼	+1,143'	2,200'	4,800 -	23,800 NaCl	91,000	4/56	
? SIMI	SESPE E.L. 950	NORTH OF CDLB FAULT	600 +347'	400'	4,300 -	25,500? NaCl → 1500± g/g	695,000	6/48	

DISTRICT 2

FIELD	FORMATION	CURRENT USDW?	TDS <3K	TDS >3K	DEPTH	DEEPEST FIELD DWW	NEAREST TOWN	LAND OWNERSHIP	ALTERN. WTR SRC	WATER YIELD	ECON. ANAL.	REC.
? RAMONA	PICO	NO		X		NONE # ± mi NORTH	> 4mi	PRIVATE	PIPED IN		N/A	
? SOUTH TAPO CANYON	PICO	NO	X			NONE *	~4mi	PRIVATE & FEDERAL	PIPED FROM VALLEY			
OAT MOUNTAIN	UNDIFF.	NO		X		NONE *	~5mi	PRIVATE	PIPED IN		N/A	
? SIMI	SESPE	NO		X		NONE *	~1mi	PRIVATE	WATER WELL ± mi		N/A	

DISTRICT 3

FIELD	FORMATION	LATERAL LIMIT	sub-sea DEPTH TO TOP	THICKNESS	TDS OF ZONE HISTORIC - CURRENT	TDS OF FLUID	VOLUME INJECTED	START DATE	COMMENTS
SAN ARDO E.L. 500-800	SANTA MARGARITA	ENTIRE FIELD	1700' -900'	100'	3,700 -	5,600	81,800,000	11/66	
SAN ARDO "	MONTEREY "D" SAND	ENTIRE FIELD	1800' -1,200'	30'	4,600 -	5,600	13,795,000	2/59	
SAN ARDO "	MONTEREY "E" SAND	ENTIRE FIELD	2100' -1,300'	100'	6,400 - ✓	5,600	6,057,000	3/68	
MONROE SWELL E.L. 1000'	SANTA MARGARITA	ENTIRE FIELD	1800' -800'	150'	3,700 NaCl -	9,600	?	1981	

DISTRICT 3

FIELD	FORMATION	CURRENT USDW?	TDS <3K	TDS >3K	DEPTH	DEEPEST DWW	NEAREST TOWN	LAND OWNERSHIP	ALTERN. WTR SRC	WATER YIELD	ECON. ANAL.	REC.
SAN ARDO	SANTA MARGARITA	NO		X		NONE DWR	6mi BRADLEY 5mi SAN ARDO	PRIVATE	SALINAS RIVER & GRD WTR	NO TEST	N/A	—
SAN ARDO	MONTEREY "D" SAND	NO		X		NONE DWR	"	"	"	NO TEST	N/A	—
SAN ARDO	MONTEREY "E" SAND	NO		X		NONE DWR	"	"	"	NO TEST	N/A	—
MONROE SWELL	SANTA MARGARITA	NO		X		NONE DWR	5mi GREENFIELD 10mi KING CITY	PRIVATE	SALINAS R. GRD WTR	NO TEST	N/A	—
	MONTEREY											

DISTRICT 4

	FIELD	FORMATION	CURRENT USDW?	TDS <3K	TDS >3K	DEPTH	DEEPEST DWW	NEAREST TOWN	LAND OWNERSHIP	ALTERN. WTR SRC	WATER YIELD	ECON. ANAL.	REC.
?	BLACKWELL'S F.L. CORNER 700'	TUMEY	NO	X		1,473'	WW-N/A	16mi	AG		<10%		
?	BUENA VISTA	TULARE	NO		X	538'	WW-500'	<1 mi VALLEY 2 mi TAFT	PCFES OIL		<12%	N/A	—
?	KERN BLUFF	KERN RIVER	YES ~~NO~~	X		200'	WW-148'	4 mi BAKERSFIELD	OIL		12-14%		
	KERN BLUFF	VEDDER	NO		X	4,607'	WW-2,125	4mi BAKERSFIELD	OIL		<14%	N/A	—
?	KERN FRONT	SANTA MARGARITA	NO	X		2,549'	WW-1,615	7mi BAKERSFIELD	OIL		10-12%		
?	KERN RIVER	CHANAC	YES	X		1,160'	WW-1,[illegible]	5½ mi BAKERSFIELD	OIL		<14%		
?	KERN RIVER	SANTA MARGARITA	NO	X		1,698	WW-1,612	5½ mi BAKERSFIELD	OIL		10-14%		
	KERN RIVER	VEDDER	?		X		HYDRO CARBONS	PRODUCING		9/15/[illegible]		N/A	—
?	MOUNT POSO	WALKER	NO	X		1,939	WW-[illegible]	17mi BAKERSFIELD	RANGE & OIL		<8%		
	MOUNTAIN VIEW	KERN RIVER	NO		X	2,680	WW-[illegible]	<1 mi ARVIN	AG		14-16%	N/A	—
	PLEITO	CHANAC	NO		X	2,756' TO 3,722	WW-[illegible]	25mi ARVIN 5mi FRAZIER	RANGE & OIL		12-14%	N/A	—
?	PLEITO	KERN RIVER	YES		X	"	WW-2,[illegible]	"	"		"	N/A	—
?	ROUND MOUNTAIN	OLCESE	NO	X		450'	WW-[illegible]	10mi BAKERSFIELD	"		<14%		
?	ROUND MOUNTAIN	WALKER	NO	X		2,300'	WW-[illegible]	9mi BAKERSFIELD	"		<14%		

DISTRICT 4

	FIELD	FORMATION	LATERAL LIMIT	DEPTH TO TOP	THICKNESS	TDS OF ZONE HISTORIC - CURRENT	TDS OF FLUID	VOLUME (BBLS) INJECTED	START DATE	COMMENTS	
?	BLACKWELL'S CORNER	TUMEY	ENTIRE FIELD	1,473	40	2,100 -	29,000 NaCl	400,000	5/75	<3K below producing horizons	?
?	BUENA VISTA	TULARE	ENTIRE FIELD	538	190' TO 1,111'	9,200 -	5,300-36,500	50,798,000	11/72	SHALLOW	?
?	KERN BLUFF	KERN RIVER	ENTIRE FIELD	200'	150'	400 TO 900 - ✓	600	551,500	7/80	<3K SHALLOW & [illegible]	?
	KERN BLUFF	VEDDER	ENTIRE FIELD	4,607	166'	7,800 TO 16,100 -	11,700 TO 213,000	4,099,000	3/80		
?	KERN FRONT	SANTA MARGARITA	ENTIRE FIELD	2,548'	650'	2,300 - ✓	1,100	—	9/75	<3K	?
?	KERN RIVER	CHANAC	ENTIRE FIELD	1,100'	568'	238 TO 925 - ✓	374 TO 865	1,071,000	6/77	<3K USDW	?
?	KERN RIVER	SANTA MARGARITA	ENTIRE FIELD	1,698'	325 TO 515'	600 TO 2600 -	475 TO 16,200	154,994,000	9/73	<3K	?
	KERN RIVER	VEDDER	ENTIRE FIELD	4,850'	136 TO 375'	7800 TO 16,200 -	—	33,204,000	?		
?	MOUNT POSO	WALKER	NE HALF OF FIELD	1,939'	656 TO 661	2,800 - ✓	830 TO 1440	22,632,000	9/75	<3K	?
	MOUNTAIN VIEW	KERN RIVER	ENTIRE FIELD	2,680	1,320	4,660 - ✓	1200 TO 3,800	3,681,000	12/65		
	PLEITO	CHANAC	ENTIRE FIELD	2,756	634	7,900 TO 11,800 -	12,800 TO 30,800	889,000	8/74		
?	PLEITO	KERN RIVER	ENTIRE FIELD	3,272	384	7,900 TO 11,800 -	12,800 TO 30,800	889,000	8/74	USDW BUT HIGH TDS	?
	ROUND MOUNTAIN	OLCESE	ENTIRE FIELD	450	290 TO 702	2700 -	1,337 TO 1,965	29,797,000	7/74	<3K SHALLOW	
?	ROUND MOUNTAIN	WALKER	ENTIRE FIELD	2,300	1,101 TO 1,352	1,930 - ✓	1,600 TO 2,100	203,319,000	8/72	<3K	?

DISTRICT 4 (CONT.)

FIELD	FORMATION	LATERAL LIMIT	DEPTH TO TOP	THICKNESS	TDS OF ZONE HISTORIC - CURRENT	TDS OF FLUID	VOLUME INJECTED	START DATE	COMMENTS
STRAND	ETCHEGOIN	ENTIRE FIELD	3,105	70' TO 355'	8,600 NaCl -	—	1,195,000	7/62	>10,000 TDS
POSO CREEK	SANTA MARGARITA	ENTIRE FIELD	2,635'	500'	3,969 TO 4,950 - ✓	925 TO 3780	—	6/72	HYDROCARBON BEARING. NOT ECON.

DISTRICT 4 (CONT.)

FIELD	FORMATION	CURRENT USDW?	TDS <3K	TDS >3K	DEPTH	DEEPEST DWW	NEAREST TOWN	LAND OWNERSHIP	ALTERN. WTR. SRC	WATER YIELD	ECON. ANAL.	REC.
STRAND	ETCHEGON	>10,0	TDS									
POSO CREEK	SANTA MARGARITA	NO		X	2635'	1613'	4 mi. TO BAKERSFIELD	AGRICULTURE		10-12%	N/A	—

DISTRICT 5

FIELD	FORMATION	LATERAL LIMIT	DEPTH TO TOP	THICKNESS	TDS OF ZONE HISTORIC - CURRENT	TDS OF FLUID	VOLUME INJECTED	START DATE	COMMENTS
2. COALINGA	SANTA MARGARITA	ENTIRE FIELD	SURFACE TO ~~1,750~~ 3100	0 TO 150	8,244 - ✓	3,100 TO 3,500	145,000,000	2/63	SHALLOW UNDER CITY BUT >3K
2. COALINGA	ETCHEGOIN - JACALITOS	ENTIRE FIELD	SURFACE TO ~~1,500~~ 150	~~1,500~~ 0 TO	2,650 TO 2,900 - ✓	2,650 TO 2,700	?	2/63	HYDROCARBON PRODUCING; W/OR
GUIJARRAL HILLS	ETCHEGOIN - JACALITOS	ENTIRE FIELD	~~1,400~~ 2100	3,300	9,400 -	20,500	931,000	4/67	
HELM	TULARE - KERN RIVER	ENTIRE FIELD	~~1,600~~ 2000	3,000	5,100 TO 23,900 -	11,600 TO 43,400	?	12/52	
2. RIVERDALE	PLIOCENE	ENTIRE FIELD	~~1,625~~ 1825	4,000	4,788 TO 16,200 -	-	72,626,000	3/57	
TURK ANTICLINE	SAN JOAQUIN	ENTIRE FIELD	~~2,650~~ 3000	400	3,700 TO 4,440 -	9,500 TO 9,800	466,000	11/76	

DISTRICT 5

FIELD	FORMATION	CURRENT USDW?	TDS <3K	TDS >3K	DEPTH	DEEPEST DWW	NEAREST TOWN	LAND OWNERSHIP	ALTERN. WTR SRC	WATER YIELD	ECON. AVAIL.	REC.
COALINGA	SANTA MARGARITA	NO		X			UNDER COALINGA	COMPLEX	CA AQUEDUCT	NO TEST	N/A	—
COALINGA	ETCHEGOIN JACALITOS	NO	X				4 mi TO HURON 6 mi TO COALINGA	CHEVRON USA	IRRIG. FROM CA AQUEDUCT	NO TEST	N/A	—
GUIJARRAL HILLS	ETCHEGOIN JACALITOS	NO		X			↓	↓	↓	↓	N/A	—
HELM	TULARE KERN R	NO		X		IRR.- 1020'	1mi LANARE 2mi HELM 4mi RIVERDALE	COMPLEX	ALL WTR FROM WELLS	NO TEST	N/A	—
RIVERDALE	PLIOCENE	NO		X	INJECT @ 1840	IRR- 555'	4 mi LANARE 4mi BURREL RIVERDALE	COMPLEX	WELLS	NO TEST	N/A	—
TURK ANTICLINE	SAN JOAQUIN	NO		X	INJECT @ 1196	IRR 1196	4mi CANTUA 10mi 5 PTS	COMPLEX	UNK	NO TEST	N/A	—

DISTRICT 6

FIELD	FORMATION	LATERAL LIMIT	DEPTH TO TOP	THICKNESS	TDS OF ZONE HISTORIC - CURRENT	TDS OF FLUID	(BBL) VOLUME INJECTED	START DATE	COMMENTS
? BUNKER GAS	UNDIFF	ENTIRE FIELD	2,900 TO 3,100	100'	1,200 - 10,000 80%	11,000	388,000	1/75	<3K
RIVER BREAK GAS	CAPAY	MIDDLE OF SECT. 24	4,900 TO 5,000	150'	6,900 -	7,000	93,000	7/75	ABANDON 5/24/82
? SUTTER BUTTES GAS	KIONE	SW PORTION OF FIELD	1,200 TO 2,800	700'	2,500 -	4,100 TO 23,000	644,000	7/77	<3K >3K 11/9/04
UNION ISLAND GAS	MOKELUMNE RIVER	EAST SIDE STOCKTON ARCH FAULT	4,500 TO 5,300	500'	5,000 TO 6,000 -	7,800	471,000	7/77	>10,000 TDS
? WILD GOOSE	UNDIFF	ENTIRE FIELD	1,400 TO 1,700	650'	2,800 TO 5,000 -	21,400	823,000	11/69	<3K

DISTRICT 6

	FIELD	FORMATION	CURRENT USDW?	TDS <3K	TDS >3K	DEPTH	DEEPEST DWW	NEAREST TOWN	LAND OWNERSHIP	ALTERN. WTR SRC	WATER YIELD	ECON. ANAL.	REC.
2.	BUNKER GAS	UNDIFF		X									
	RIVER BREAK GAS	CAPAY			X		ABANDON	5/24/82					
2.	SUTTER BUTTES GAS	KLONE	NO	X	6609 4/4/54								
	UNION ISLAND GAS	MOKELUMNE RIVER			X		10,106	TDS					
2.	WILD GOOSE	UNDIFF		X									

Field	Formation & Zone	A Drinking Water Aquifer Declaration	B[1] Depth	C Distance to Towns	Land Ownership	Alternate Water Source[2]	Unusual Geology	D Formation TDS	E Yield of Water
Buckwells Corner	Tumey	is not a source	Fm. top: 1,473' Deepest WW: N/A	16 miles to Lost Hills	Agriculture	Small amt. of usable water in Bitter Water Canyon area, most domestic H2O shipped from T24S, R 22 & 23E to E.	[illegible] NW by [illegible] conformity	2,100-2,000	<10%
Buena Vista	Tulare	is not a source	Fm. top: 538' Deepest WW: 500'	< 1 mile to Valley Acres 2 miles to Taft	Oilfield	All domestic water shipped from T.30S, R 23E - no water wells in use (USGS: Barren in zone if it [illegible]	none	9,200	<12%
Kern Bluff	Kern River	is a source	Fm. top: 200' Deepest WW: 1485'	4 miles to Bakersfield	Oilfield		none	400-900	12-14%
Kern Bluff	Vedder	is not a source	Fm. top: 4,607' Deepest WW: 2125'	4 miles to Bakersfield	Oilfield		Most E trending faults [illegible]	7,800-16,100	<14%
Kern Front	Santa Margarita	is not a source	Fm. top: 2,548' Deepest WW: 1,613'	7 miles to Bakersfield	Oilfield		N-S trending Kern River fault acts as [illegible]	2,300	10-12%
Kern River	Chanac	is a source	Fm. top: 1,100' Deepest WW: 1485'	5½ miles to Bakersfield	Oilfield	[illegible]	[illegible]	[illegible]	<14%
Kern River	Santa Margarita	is not a source	Fm. top: 1,[illegible]' Deepest WW: 1,613'	5½ miles to Bakersfield	Oilfield	Kern River	Same as Chanac	600-2,400	10-14%
Kern River	Vedder	HYDROCARBON PRODUCING AS OF SEPT. 15, 1981							
Mount Poso	Walker	is not a source	Fm. top: 1,939'± Deepest WW: None	17 miles to Bakersfield	Rangeland & Oilfield	No residential or commercial property in area. Individual ranches use bottled water or produced H2O.	Highly faulted & numerous perm. streams in all directions	2,800	<8%
Mountain View	Kern River	is not a source	Fm. top: 2,680' Deepest WW: 1,190'	< 1 mile to Arvin	Agriculture	none		4,600	14-16%
Pioneer	Chanac & Kern River	Kern River is a source. Chanac is not a source	Fm. top: 3,722' - 2,756' Deepest WW: 2,215'	25 miles to Arvin 5 miles to Frazier Park	Rangeland & Oilfield	No residential property - Water wells in the area are located in flatlands to N and are nested behind well [illegible]	Extreme [illegible] White Wolf fault acts as [illegible] barrier to [illegible]	7,900-11,800	12-14%
Round Mountain	Olcese	is not a source	Fm. top: 450' Deepest WW: 400' (1 well total)	10 miles to Bakersfield	Rangeland & Oilfield	Same as Mt. Poso - only one water well in field.	Highly faulted area - numerous perm. streams [illegible]	2,700	<14%
Round Mountain	Walker	is not a source	Fm. top: 2,300' Deepest WW: None	9 miles to Bakersfield	Rangeland & Oilfield	Same as Mt. Poso	Same as Olcese	1,950	<14%
Strand	Etchegoin	TDS OF ZONE GREATER THAN 10,000 ppm						14,190	

1 Water Well depth data obtained from Kern County Water Agency

2 Obtained from Kern County Water Agency

3 " " " " " " (S.Y. (%) = volume of water the aquifer is capable of giving up / total bulk volume of reservoir (including solids))