

TABLE 3-2
SUMMARY OF HYDRAULIC PROPERTY DATA FOR INDIAN WELLS VALLEY WELLS
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Well Name	Data Source ^a	Screen Interval (feet bgs)	Test Type	Hydraulic Conductivity (feet/day)	Transmissivity (gpd/ft)
Shallow Hydrogeologic Zone Wells					
JMM01-MW01	PRC and MW 1996	33 - 48	Slug	0.22	----
JMM01-MW02	PRC and MW 1996	32.5 - 47.5	Slug	3.27	----
JMM01-MW03	PRC and MW 1996	33 - 48	Slug/Pump (4 hr)	2.00	4,000
JMM01-MW04	PRC and MW 1996	33 - 48	Slug/Pump (4 hr)	0.69	4,200
JMM01-MW05	PRC and MW 1996	34 - 49	Slug/Pump (4 hr)	1.80	4,100
JMM01-MW06	PRC and MW 1996	34 - 49	Slug/Pump (4 hr)	0.68	5,400
JMM31-MW01	TtEMI and MK 2000b	33 - 48	Pump (9 hr)	11.00	972
MK69-MW01	TtEMI and MK 2000b	92 - 102	Pump (12 hr)	4.00	823
TTIWV-MW09	TtEMI 2003	18 - 28	Slug	2.44	----
TTIWV-MW12	TtEMI 2003	11 - 21	Slug	65.21	----
TTIWV-MW13	TtEMI 2003	15 - 25	Slug	2.84	----
TTIWV-MW14	TtEMI 2003	60 - 70	Slug	14.18	----
Regional Aquifer Wells					
BR-1 (shallow)	USBR 1993 ^b	615 - 635	Slug	15.12	2,262
BR-1 (med-shallow)	USBR 1993 ^b	1,040 - 1,060	Slug	17.28	2,585
BR-1 (med-deep)	USBR 1993 ^b	1,500 - 1,520	Slug	0.72	108
BR-1 (deep)	USBR 1993 ^b	1,750 - 1,770	Slug	0.29	43
BR-2 (shallow)	USBR 1993 ^b	620 - 640	Slug	0.72	108
BR-2 (medium)	USBR 1993 ^b	1,460 - 1,480	Slug	13.68	2,047
BR-2 (deep)	USBR 1993 ^b	1,940 - 1,960	Slug	1.15	172
BR-3 (shallow)	USBR 1993 ^b	650 - 670	Slug	4.32	646
BR-3 (deep)	USBR 1993 ^b	1,850 - 1,870	Slug	0.43	65
BR-4	USBR 1993 ^b	1,190 - 1,200	Slug	40.32	3,016
BR-5 (shallow)	USBR 1993 ^b	850 - 870	Slug	16.56	2,477
BR-5 (medium)	USBR 1993 ^b	1,590 - 1,610	Slug	10.80	1,616
BR-5 (deep)	USBR 1993 ^b	1,960 - 1,980	Slug	12.96	1,939
BR-6 (medium)	USBR 1993 ^b	1,190 - 1,910	Slug	18.00	2,693
BR-6 (deep)	USBR 1993 ^b	1,400 - 1,420	Slug	14.40	2,154
BR-10 (shallow)	USBR 1993 ^b	640 - 660	Slug	13.68	2,047
BR-10 (med-deep)	USBR 1993 ^b	1,560 - 1,580	Slug	10.08	1,508
BR-10 (deep)	USBR 1993 ^b	1,930 - 1,950	Slug	6.48	969
NR-1 (deep)	USBR 1993 ^b	1,960 - 1,980	Slug	3.60	539
NR-2 (shallow)	USBR 1993 ^b	330 - 350	Slug	34.56	5,170
NR-2 (medium)	USBR 1993 ^b	1,540 - 1,560	Slug	10.08	1,508
NR-2 (deep)	USBR 1993 ^b	1,910 - 1,930	Slug	8.64	1,293
MW-32 (med-	USBR 1993 ^b	880 - 900	Slug	22.32	3,339
MW-32 (med-deep)	USBR 1993 ^b	1,240 - 1,260	Slug	16.56	2,477
MW-32 (deep)	USBR 1993 ^b	1,900 - 1,920	Slug	7.92	1,185
TTIWV-MW01I	TtEMI 2003	350 - 370	Slug	4.82	----
TTIWV-MW01D	TtEMI 2003	730 - 750	Slug	12.76	----
TTIWV-MW02I	TtEMI 2003	400 - 420	Slug	11.62	----
TTIWV-MW04	TtEMI 2003	635 - 655	Slug	18.99	----

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TTIWV-MW06	TtEMI 2003	938 - 958	Slug	20.98	----
TTIWV-MW07	TtEMI 2003	600 - 620	Slug	56.70	----
TTIWV-MW08	TtEMI 2003	400 - 420	Slug	42.53	----
TTIWV-MW15	TtEMI 2003	280 - 300	Slug	45.36	----
TTIWV-MW16	TtEMI 2003	948 - 988	Slug	2.01	----
25/39-35N1	Kunkel and Chase 1969	152 ^c	Pump (48 hr)	----	60,000
25/39-35N2	Kunkel and Chase 1969	80.4 - 85.4	Pump (48 hr)	----	44,000
26/39-2D1	Kunkel and Chase 1969	97.8 ^c	Pump (48 hr)	----	64,000
25/39-12R1	Kunkel and Chase 1969	180.5 ^c	Pump (48 hr)	----	62,000
25/39-4R1	Kunkel and Chase 1969	200 ^c	Pump (48 hr)	----	87,000
26/39-11E1	Kunkel and Chase 1969	250 ^c	Pump (48 hr)	----	116,000
26/39-24R1	Kunkel and Chase 1969	480 ^c	Pump (64 hr)	----	----
26/39-24K1	Kunkel and Chase 1969	190 - 273	Pump (64 hr)	----	146,000
26/39-24Q1	Kunkel and Chase 1969	361 ^c	Pump (64 hr)	----	155,000
26/40-19N1	Kunkel and Chase 1969	306 ^c	Pump (64 hr)	----	140,000
26/40-19P1	Kunkel and Chase 1969	192 - 259	Pump (64 hr)	----	146,000

Notes:

- a See Section 7.0 for the references cited here.
 - b The U.S. Bureau of Reclamation (USBR) reported transmissivities using the Cooper method, with the aquifer thickness assumed to be the same as the screen length. Aquifer thickness is typically much greater, resulting in low transmissivity estimates. USBR hydraulic conductivity values were backcalculated for this table by dividing transmissivity by screen length. Five of the wells slug tested during the USBR study had anomalously low results. The authors of the study deemed these results nonrepresentative, probably due to inadequate well development. The five wells are BR-3 (medium), BR-6 (shallow), BR-10 (shallow-medium), NR-1 (shallow), and MW-32 (shallow).
 - c Screen interval for well not available, total depth of well given.
- bgs Below ground surface
gpd/ft Gallons per day per foot
MW Montgomery Watson
MK Morrison Knudsen Corporation
PRC PRC Environmental Management, Inc.
Pump Pump test and duration of pumping in hours
Slug Slug test
TtEMI Tetra Tech EM Inc.