3. CONDITIONS IN THE OWENS VALLEY

3. CONDITIONS IN THE OWENS VALLEY

Figure 11 provides a summary of Owens Valley Conditions. Winter of 2005-06 was an above-normal season for both the snow fall on the eastern Sierra Nevada Mountains and the rainfall on the valley floor. The forecast of Owens Valley runoff had to be revised because the Eastern Sierra Nevada mountains received far more than average snowfall after April 1. Based on the revised April 1 snow survey, the forecasted runoff for 2006-07 runoff year is 556,100 acre-feet or approximately 135% of normal. Similarly, precipitation of the valley floor throughout the valley has been above normal with a runoff year average of 7.02 inches compared to the long-term average of 5.9 inches (Table 11). Overall vegetation cover in the Owens Valley is comparable to the mid-1980's baseline conditions.

3.1 Well On/Off Status

The Water Agreement has provisions to ensure wells linked to specified monitoring sites without sufficiently available soil moisture to meet the needs of vegetation within those monitoring sites are turned off. LADWP may turn on the wells linked to a monitoring site once the soil water in the area of the monitoring site has recovered to the level where it can meet the estimated water needs of the vegetation as of the time that the wells were turned off. Table 9 provides a listing of April 2006 Owens Valley well ON/OFF status, the monitoring wells associated with each monitoring site, and the groundwater wells linked to each monitoring site.

Certain wells are exempt from the ON/OFF provisions of the Water Agreement usually because the well is in an area that can not cause an adverse impact to the surrounding vegetation or because the well is a required source of water. Table 10 is a list of the Owens Valley wells that are exempt from the ON/OFF provisions of the Water Agreement.

3.2 Wellfield Hydrographs

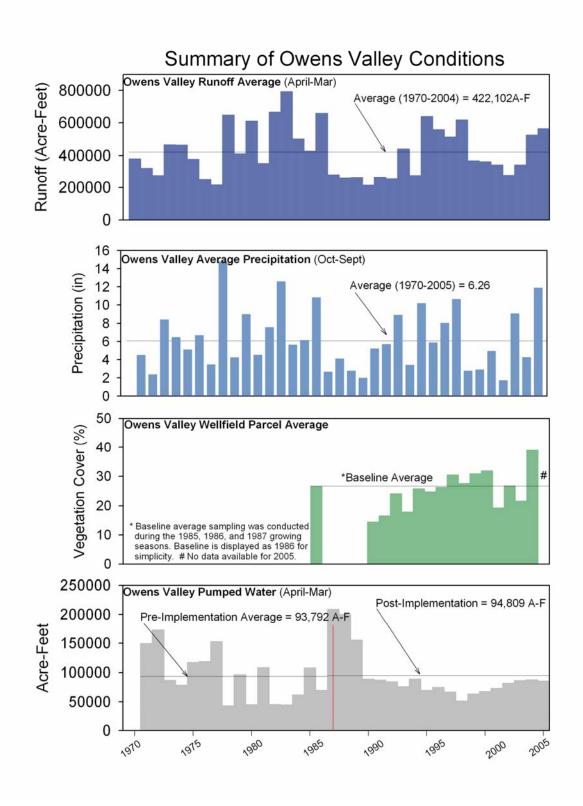
LADWP hydrographers monitor groundwater levels in over 700 monitoring wells throughout the Owens Valley. Groundwater levels are considered when evaluating the overall condition of the groundwater basin and calibrating groundwater models. Hydrographs are used to observe the changes in groundwater levels over time. Figure 12 illustrates the hydrographs of key Owens Valley wellfield monitoring wells. As shown in Figure 12, groundwater levels are generally high throughout the valley considering that the runoff during the previous five years was below normal. With the forecasted high runoff for the 2005-06 and water spreading activities, water levels are expected to rise throughout Owens Valley.

3.3 Precipitation Record and Runoff Forecast

Owens Valley-floor precipitation during the 2005-06 runoff year ranged from 3.93 inches at Lone Pine to 10.54 inches at Tinemaha Reservoir (Table 11). The valley floor receives 5.9 inches per year on the average.

The forecasted Owens Valley runoff for 2006-07 runoff year is 556,100 acre-feet or 135% of normal valley-wide (Table 1). Figure 13 shows how the forecasted runoff for the 2006-07 year compares to past years since 1940.





Wellfield	Monitoring Site	Monitoring Well	Pumping Wells	E/M Wells	ON/OFF Status
Laws	L1	795T	247, 248, 249, 398		ON
	12	USGS 1	236*, 239, 243, 244		ON
	L3		240, 241, 242	376, 377	ON
	L4a, L4b			385,386	
	L5**		245	387,388	
	Exempt		236*, 354, 365, 413		na
Bishop	All wells		140, 411, 410, 371		na
			406, 407, 408, 412		na
Big Pine	BP1	798T	210, 352	378,379,389	OFF
5	BP2	799T	220, 229, 374	375	OFF
	BP3	567T	222, 223, 231, 232		ON
	BP4	800T	331		ON
	Exempt		218, 219, 330, 332, 341, 352, 415		na
Faboose-Aberdeen	TA3	505T	106, 110, 111, 114		OFF
	TA4	586T	342, 347		OFF
	TA5	801T	349		ON
	TA6	803T	109, 370		OFF
	Exempt		118		na
Thibaut-Sawmill	TS1	807T	159		OFF
	TS2	T806	155		OFF
	TS3	454T	103, 104	382	ON
	TS4	804T		380, 381	OFF
	Exempt		351,356		na
ndependence-Oak	IO1	809T	77, 391		OFF
·	102	548T	63		OFF
	Exempt		59, 60, 61, 65, 401, 357, 384*	383, 384	na
Symmes-Shepherd	SS1	USGS 9G	69, 392, 393		OFF
	SS2	646T	74, 394, 395		OFF
	SS3	561T	92, 396		OFF
	SS4	811T	75, 345		OFF
	Exempt			402	na
Bairs-Georges	BG2	812T	76, 343*, 348, 403		OFF
Dans-Ceorges	Exempt	0121	343*		na
Law - Dire -	Exempt		344 346	000	
Lone Pine	⊏xempt Other		344, 346 416	390	na

*dual use

** Monitoring site has not yet been located.

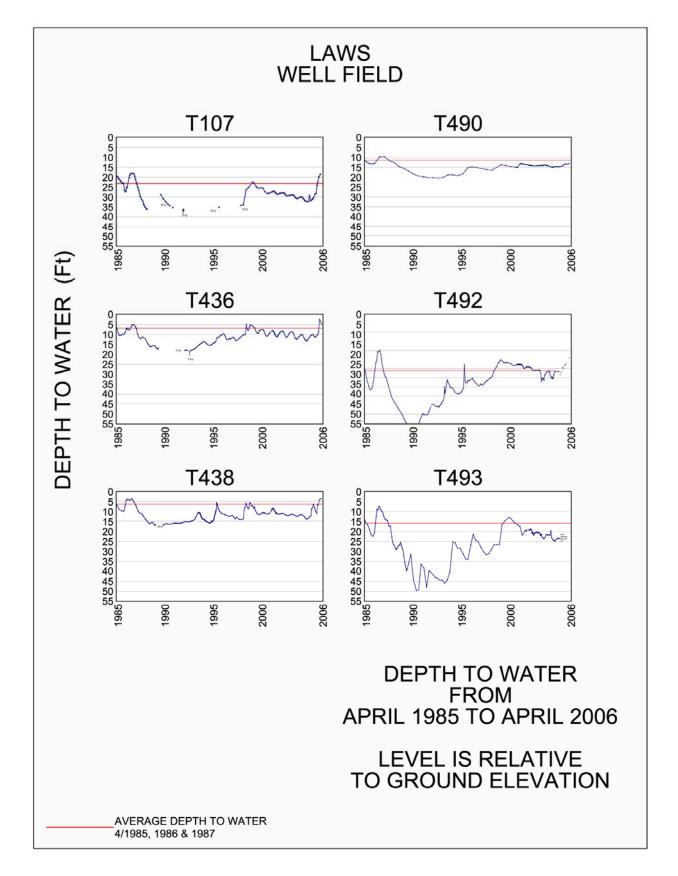
Table 10 - List of Exempt Wells in the Owens Valley

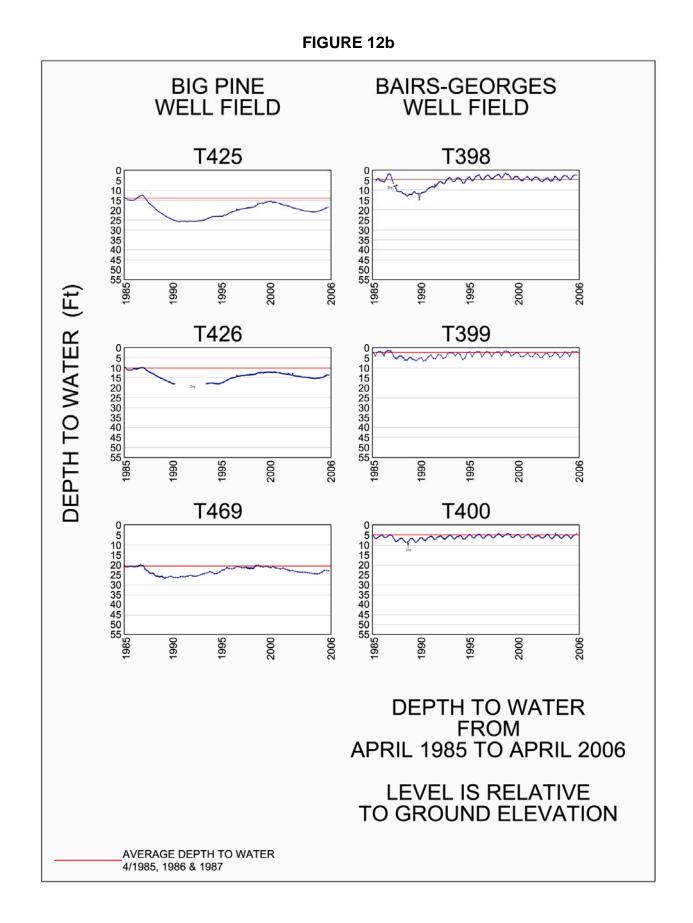
		1	++ provisions of the Agreement
WELL NUMBER	WELL FIELD	DURATION	REASON
354p	Laws	Annual	Sole Source-Town Supply
413b	Laws	Annual	Town Supply and Laws Museum E/M Project Irrigation Well
236	Laws	Annual	Sole Source-irrigation
341p	Big Pine	Annual	Sole Source-Town Supply
352b	Big Pine	Annual	Sole Source-Town Supply
415b	Big Pine	Annual	Sole Source-Town Supply
357p	Independence-Oak	Annual	Sole Source-Town Supply
384b	Independence-Oak	Annual	Sole Source-Town Supply
344p	Lone Pine	Annual	Sole Source-Town Supply
346b	Lone Pine	Annual	Sole Source-Town Supply
330	Big Pine	Annual	Sole Source-Fish Hatcheries
332	Big Pine	Annual	Sole Source-Fish Hatcheries
351	Thibaut-Sawmill	Annual	Sole Source-Fish Hatcheries
356	Thibaut-Sawmill	Annual	Sole Source-Fish Hatcheries
218	Big Pine	Annual	No Impact on Areas With Groundwater Dependent Vegetation
219	Big Pine	Annual	н
118	Taboose-Aberdeen	Annual	н
401	Independence-Oak	Annual	н
59	Independence-Oak	Annual	н
60	Independence-Oak	Annual	н
65	Independence-Oak	Annual	II
383E/M	Independence-Oak	Annual	н
384E/M	Independence-Oak	Annual	"
61	Independence-Oak	Irrigation Season	Sole Source-Irrigation Water
365	Laws	Annual	Sole Source-Irrigation Water and No Impact on Areas With Groundwater Dependent Vegetation.
402E/M	Symmes-Shepherd	Irrigation Season	u
390E/M	Lone Pine	Irrigation Season	"
343	Bairs-Georges	Irrigation Season in Below Average Runnoff Years	Sole Source-Irrigation Water in Below Average Runoff Years

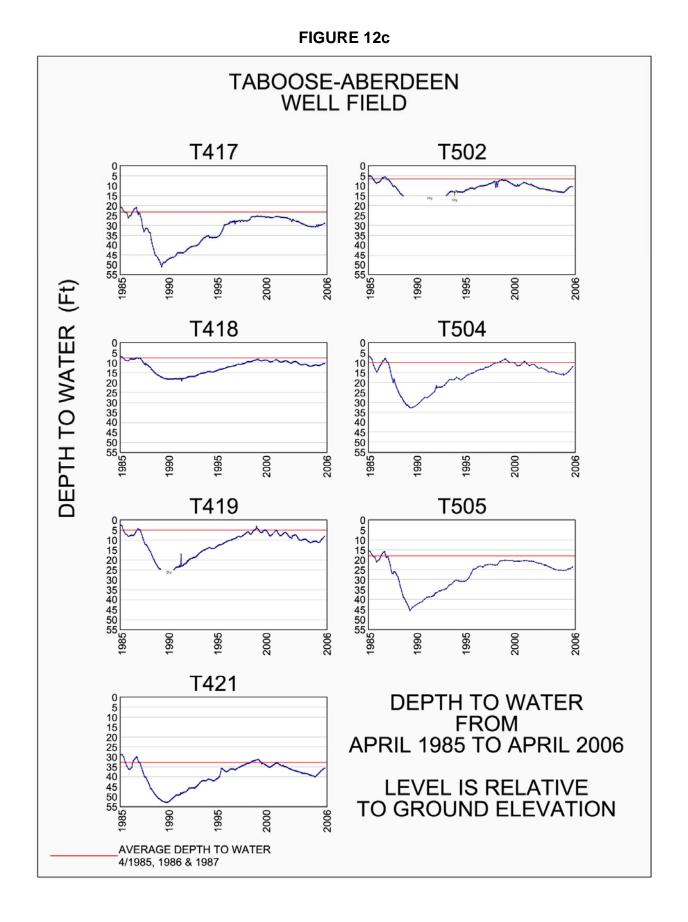
LADWP Wells not subject to the ON/OFF provisions of the Agreement

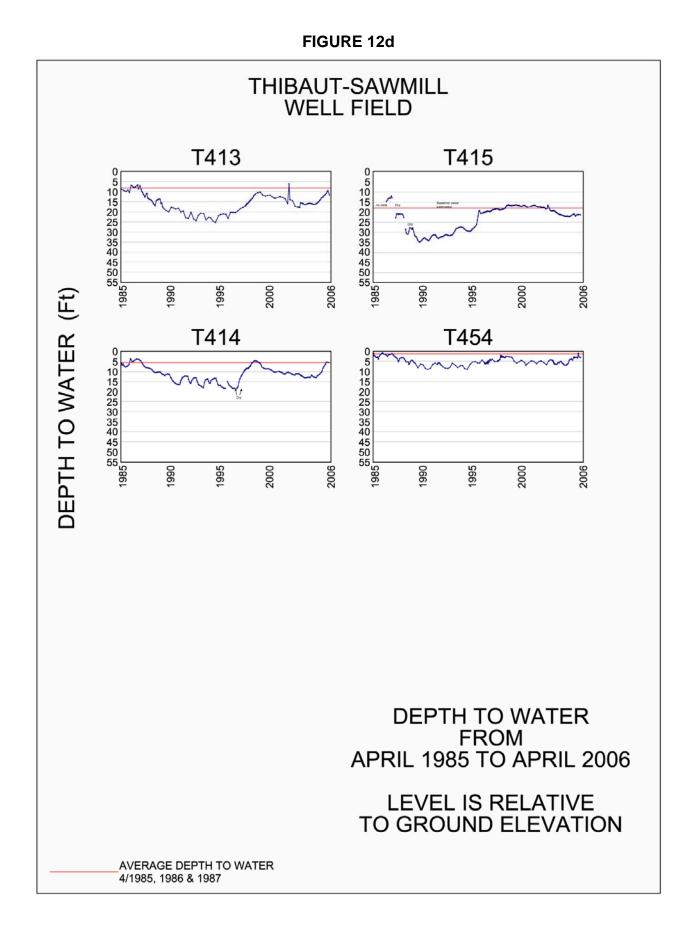
p:primary town supply well

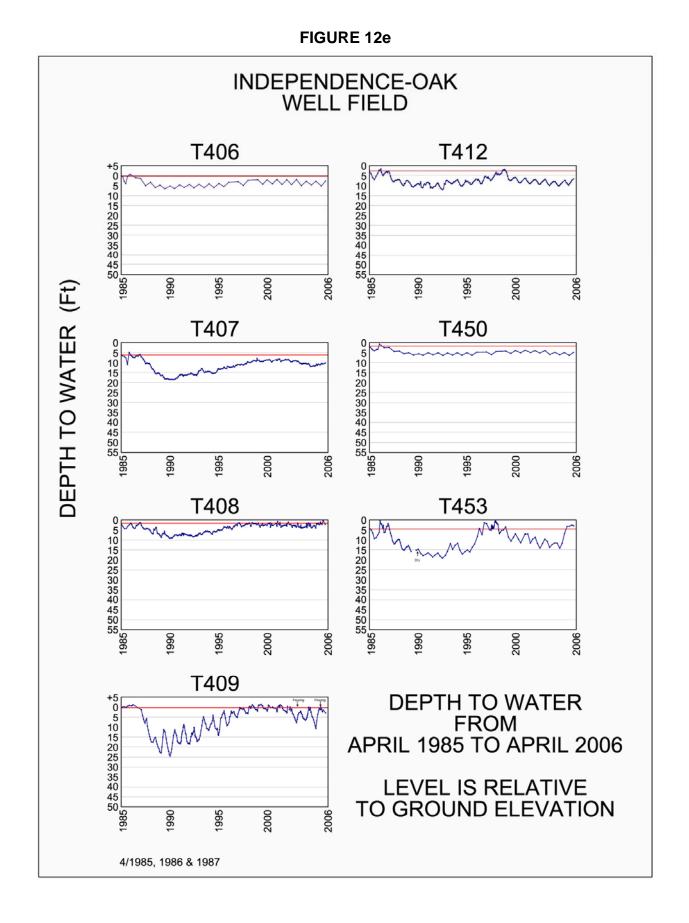
b: backup town supply well



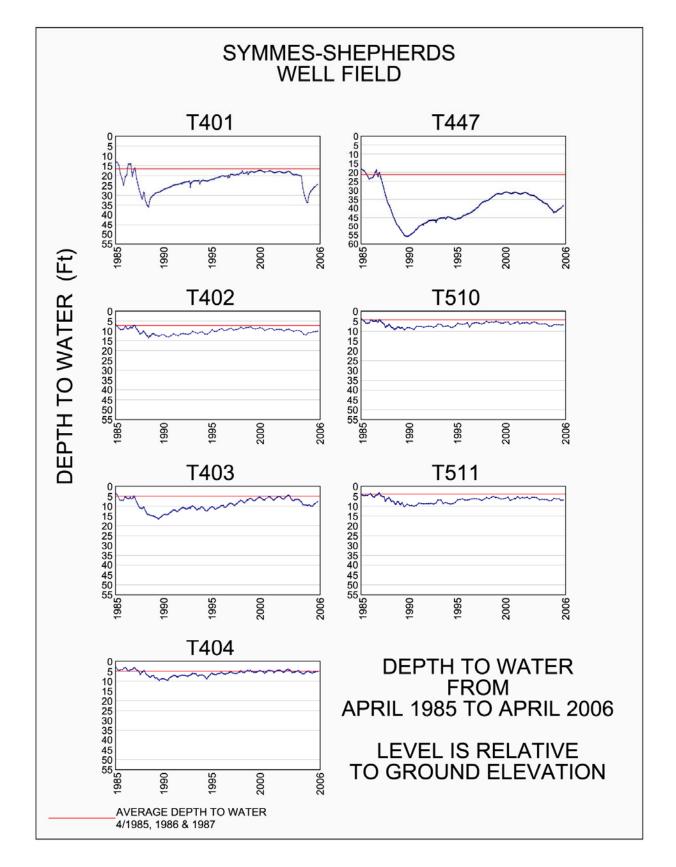










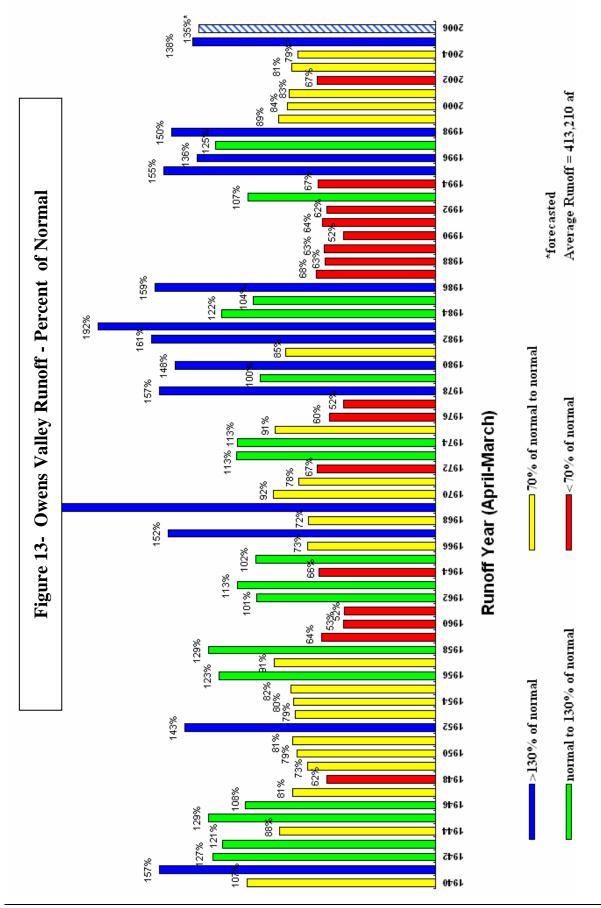


			Tinemaha	LAA	Independ.	Alabama		Cotton-	
Month	Bishop	Big Pine	Reservoir	Intake	Yard	Gates	Lone Pine	wood	S. Haiwee
April, 2005	00.0	00:0	00.0	00.0				0.12	
May	0.09	0.08	0.07	00.0	00.00	0.14	0.02	0.10	0.03
June	00'0	00.0	00.0	00:0				0.0	
July	0.01	0.01	0.03	0.04				0.0	
August	0.54	0.36	0.07	0.08				0.29	
September	0.31	0.48		0.47				1.03	
October	0.12	0.25		0.02				0.34	
November	0.02	0.10		00'0				0.24	
December	1.28	2.37		0.09				1.79	
January, 2005	4.95	2.37		3.49				3.26	
February	0.66	0.62	0.71	0.50				1.17	
March	0.58	0.32	0.23	0.16				0.59	
TOTAL	8.56	6.96	10.54	4.85	7.26	4.99	3.93	8.93	71.12

7.02 inches

Average Owens Valley Precipitation for 2005-06 Runoff Year =

Runoff Year 2005-06
during
Precipitation
Valley
Owens
•
Ξ
Table 1



3.4 Owens Valley Water Supply and Use

Table 12 provides an overview of Owens Valley water supply in the Owens Valley, in-valley uses, and LAA export for the 2005-06 runoff year as compared to the average pre-Water Agreement and projected water supply and uses based on Water Agreement and 1997 Memorandum of Understanding. The in-valley uses are consistent with the estimated values however the difference is because unanticipated diversions to Owens Lake have offset delays in bringing the LORP project online. The Owens Valley water supply to LAA flow is reflection of well above normal runoff year, despite Court Order mandated limit on pumping, reduction in diversions from Mono Basin, and releases for Owens Lake dust mitigation measures. This information is shown on a year-by-year basis in Figures 14 and 15.

Table 13 shows different components of water use in the Owens Valley from 1985-86 to the present and also the planned water use for the 2006-07 runoff year. One component of water use, E/M water supply is the water supply to specific project as specified in the Water Agreement and Memorandum and Understanding. Table 14 lists a breakdown of actual water supplied to each of the E/M projects during 2005-06 runoff year.

3.5 Vegetation Conditions

With reference to LADWP's groundwater pumping operations, vegetation conditions within the Owens Valley are monitored using vegetation transects along with other methods. Vegetation transects are conducted per the Green Book, the technical appendix to the Water Agreement. The Green Book describes the methods and purposes of vegetation transects. As stated in the Green Book: "Vegetation transects are included within the Green Book to serve two purposes: 1) to estimate transpiration from a monitoring site, and 2) for use in determining whether vegetation has decreased or changed significantly from the previous cover." Reference points for the comparison of vegetation changes in order to determine significance include the 1984-87 vegetation inventory data.

The Green Book requires the 1984-87 vegetation inventory to be used as a baseline when determining whether vegetation cover and/or species composition has changed. The 1984-1987 inventory transects were chosen using aerial photos to aid in determining transect locations. Transects were located visually by choosing lines that appeared to cover the representative units of vegetation within the parcel being measured. Transects were generally run toward the center of the parcels in order to avoid transitional areas at parcel edges. A minimum of five transects were run on each parcel. If the vegetation cover was particularly heterogeneous, a qualitative method was employed in selecting additional transects. The transect data were checked visually and additional transects were run to lessen the degree of variability as necessary.

The Green Book advises that future transects should be performed in a similar manner as the initial inventory to determine whether vegetation has changed, but allows the technique to be modified to permit statistical comparison by randomly selected transects. In any case, the Green Book requires statistical analysis to be used to determine the statistical significance of vegetation changes from the 1984-87 inventory maps.

Figure 16 is a series of graphs documenting Owens Valley vegetation conditions based upon vegetation transect data gathered by the ICWD. Transect data for the 2005 growing season was not available from ICWD in time to be included in this report. As soon as the data becomes available, the analysis of vegetation conditions will be conducted. Using the attached graphs it is possible to distinguish the trend that vegetation cover has increased valley-wide since the early 1990's. It is probably not reasonable to make year to year comparisons in vegetation cover based upon the random vegetation measurement methodologies currently employed.

3.6 Reinhackle Spring Monitoring

As required by the 1991 EIR, Owens Valley groundwater pumping is managed to avoid reductions in spring flows that would cause significant decreases or changes in spring associated vegetation. Additionally, groundwater pumping from wells that affect flow from Reinhackle Spring are managed so that flows from the spring are not significantly reduced compared to flows under prevailing natural conditions. Table 15 shows daily flow values for Reinhackle Spring. For the 2005-06 runoff year Reinhackle Spring had a high daily flow rate of about 2.85 cfs, a low daily flow rate of about 1.51 cfs, and average daily flow of about 2.35 cfs. A geochemistry study that included Reinhackle Spring was initiated in February 2003 and completed in December 2004. The study was conducted cooperatively by LADWP, MWH and ICWD. Three shallow testholes and one deep testhole were installed to aid in study implementation. This study analyzed water samples from Reinhackle Spring in comparison to water samples from the aqueduct, pumping wells, deep wells and shallow wells. This study concluded that the water flowing from Reinhackle Spring is similar in origin to the aqueduct and dissimilar to the deep aquifer samples and up-gradient shallow aquifer wells. An operational pumping test was started in 2005 to evaluate the effect of pumping on flow in the spring. This test was stopped because monitoring site BG2 changed to OFF status in October 2005 but will resume when this site turns back to ON status.

3.7 Bishop Cone Audit

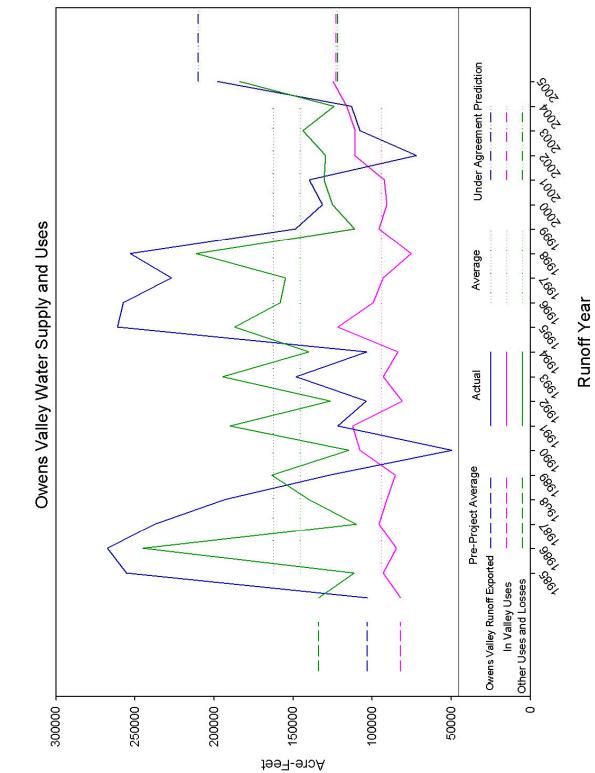
LADWP's groundwater pumping on the Bishop Cone is governed by the provisions of the Stipulation and Order filed on the 26th day of August, 1940, in Inyo County Superior Court in the case of Hillside Water Company, a corporation, et al. vs. The City of Los Angeles, a Municipal Corporation, et al., ("Hillside Decree") as well as the Water Agreement. Annual groundwater extractions from the Bishop Cone are limited to an amount not greater than the total amount of water used on Los Angeles-owned lands on the Bishop Cone during that year. Annual groundwater extractions by LADWP are limited to the total of all groundwater pumped by LADWP on the Bishop Cone, plus the amount of artesian water that flowed out of the casing of uncapped wells on the Bishop Cone during the year. Water used on Los Angeles-owned lands on the Bishop Cone, shall be the quantity of water supplied to such lands, including conveyance losses, less any return flow to the aqueduct system. An annual audit of LADWP water uses and groundwater extractions by LADWP on the Bishop Cone is performed by the ICWD. Appendix A is a copy of the most recent audit dated June 2005.

TABLE 12 Owens Valley Water Supply and Uses

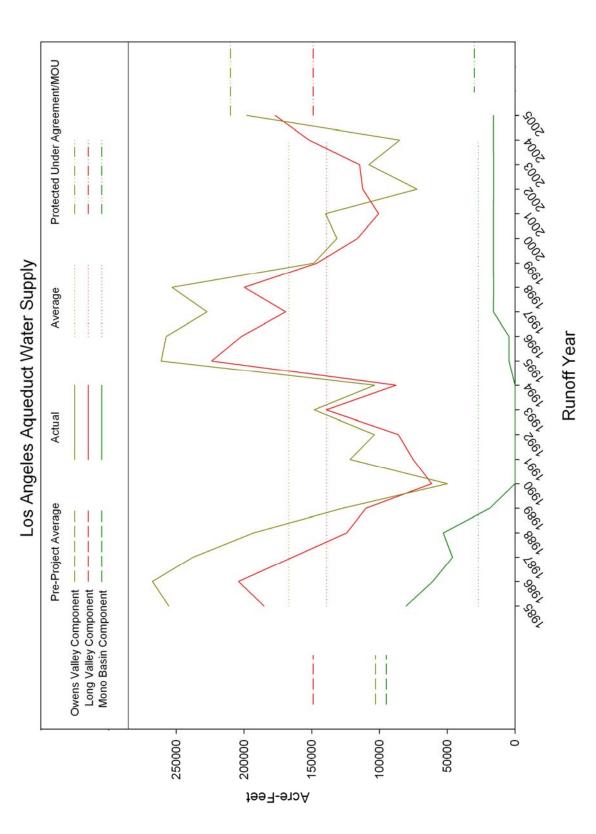
(Amounts in Thousands of Acre-Feet/Year)

	Pre-Project	Projected per MOU/ Agreement	Actual 2005-06 Runoff Year
Owens Valley Water Supply			
Runoff	310 ⁽¹⁾	310	440
Flowing Wells	44	15	10(est)
Pumped Groundwater	10	110 ⁽²⁾	57
Total	364	435	507
City Water Used in O.V. Irrigated Lands ⁽³⁾	62	46	54
Stockwater, Wildlife, and Rec. Uses ⁽⁴⁾	20	23	19
Post 1985 E/M Projects (except Lower Owens River Rewatering E/M Project)	0	12	12
Lower Owens River	0	40 (5)	8
Additional Mitigation (1,600 af from MOU)	0	2	0
Owens Lake ⁽⁶⁾	0	0	32
Total	82	123	125
Other O.V. Uses and Losses (7)	134	122	184
Components of Aqueduct Export			
Owens Valley Contribution to Export	103	210	198
Long Valley Contribution to Export	149	149	177
Mono Basin Contribution to Export ⁽⁸⁾	95	30	16
Total	347	389	391

- 1. Average runoff for period 1935 to 1988 (Runoff Year)
- 2. Assumed based on 1991 O.V. Groundwater Pumping EIR
- 3. Does not include areas receiving water supplies non-tributary to the Owens River/Aqueduct (approx. 7,000 AFY).
- 4. Includes projects such as the Billy and Twin Lakes, Farmers and Lone Pine Ponds implemented after 1970 and before 1985 when E/M projects commenced.
- 5. Assumes: 6,500 AF year-round flow to delta, 4,000 AF to habitat flows, 3,000 AF to Blackrock, 26,500 AF for other losses.
- 6. Flow to Owens Lake (LAA releases for dust mitigation).
- 7. Includes uses on private lands, conveyance losses, recharge, and evaporation.
- 8. 1993 Court decision allows approximately 30,000 AFY when lake reaches elevation 6392. Prior to Court decision Mono Basin export averaged 95,000/yr.







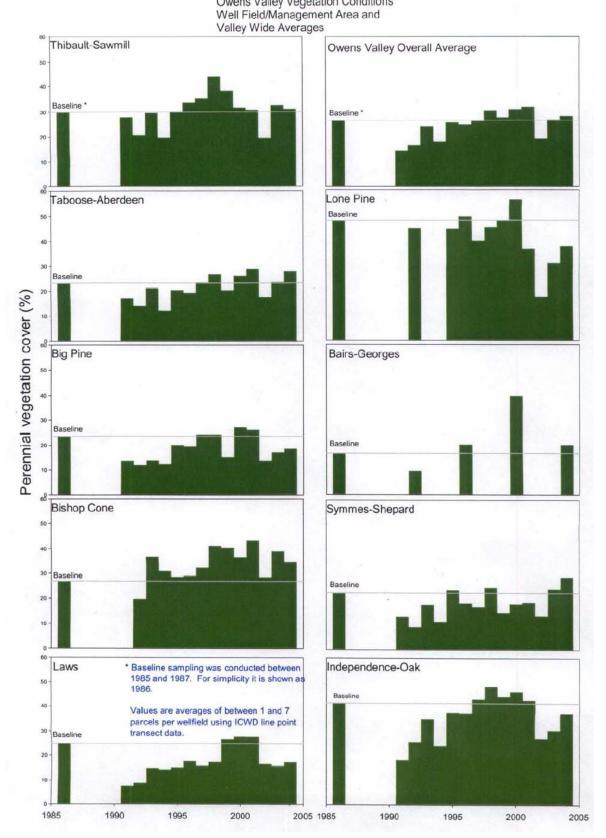
ined 2006-07 Runoff Year	
r 1985-86 through 2005-06 and Pla)RE-FEET)
Table 13 - Owens Valley Water Uses for	(ACR

KUNCH NAMER LIN VALUE LIN KAULE LIN LIN <thlin< th=""> LIN LIN <thl< th=""><th>WOUNDIAGE VICUD VICUD</th><th>11011</th><th></th><th></th><th>¢1001</th><th>010010</th><th></th><th></th><th>Compared</th><th></th><th>0 () 10</th><th></th><th></th><th>Γ</th><th></th><th></th></thl<></thlin<>	WOUNDIAGE VICUD	11011			¢1001	010010			Compared		0 () 10			Γ		
104 106 x_7 30 15,34 13,712 106 8,790 5,504 7,029 6,568 7,620 7,620 159 70 x_7 804 15,125 7,237 12,666 87,680 20,429 11,200 4,966 - 96,902 68 209 46,473 14,381 6,705 30,368 0 0 0 4,420 4,1360 5,312 17,893 0 0 0 4,420 4,461 10,7231 62 48 42,112 14,360 5,312 17,893 0 0 0 9,439 6,775 9,032 610 66 6,13 14,360 5,312 17,893 0 0 0 9,439 6,775 9,446 617 88 4,112 14,462 19,335 25,112 0 10,123 6,113 6,113 6,113 6,113 10,123 10,123 10,123 10,123 10,123 10,123 10,123 11,	104 108 47,300 15,341 13/12 109 8,700 4,7300 15,347 13/12 109 8,700 4,766 70 4,7844 15,145 7,2347 12,666 87,680 20,429 11,200 4,666 70 6,650 70 209 66 70 200 46,573 12,690 0 0 0 6,420 4,621 70 96 96 70 96 96 70 96 96 70 96	YEAR	%NUKM. RUNOFF	UV PUMPING (1000 AF)	IKKIG.	STUCK- WATER	640	E/ M	RECHG	SPREADING	KEC. &	NDIAN			N-VALLEY USES	ALL USES
11.04 11.06 $47,390$ $15,344$ $13,712$ 11.05 $47,390$ $15,345$ $13,712$ $11,390$ $5,506$ $67,600$ $46,214$ $15,712$ $12,900$ $12,900$ $12,900$ $12,900$ $12,900$ $12,900$ $10,0231$ 6 2000 $46,643$ $14,381$ $6,706$ $30,930$ 0 0 $8,423$ $6,423$ $14,381$ $6,706$ $30,930$ 0 0 $8,423$ $6,1230$ $100,231$ $99,902$ 6 8 $37,131$ $17,286$ $12,332$ $13,8920$ 0 </td <td>104 106 $47,30$ $15,34$ $13/12$ 109 $8,890$ $13,730$ $15,364$ $13,712$ 106 $13,236$ $5,506$ $13,720$ $15,901$ $12,600$ $10,231$ $10,231$ 63 2030 $46,573$ $15,322$ $30,332$ $30,332$</td> <td></td>	104 106 $47,30$ $15,34$ $13/12$ 109 $8,890$ $13,730$ $15,364$ $13,712$ 106 $13,236$ $5,506$ $13,720$ $15,901$ $12,600$ $10,231$ $10,231$ 63 2030 $46,573$ $15,322$ $30,332$															
159 70 47.864 15.126 72.367 12.666 87.660 20.429 11.200 4.966 7 98.902 68 2009 466.79 15.433 7.499 29.360 0 0 8.420 4.621 7.99 99.902 63 156 46.423 14.361 5.312 17.899 0 0 8.420 5.913 7.91 99.902 52 89 46.424 14.360 5.312 17.899 0 0 9.436 6.775 5.903 9.913 52 89 37.111 17.266 12.143 20.912 10.231 8.776 17.178 12.143 20.912 10.933 5.903 9.903 6.775 5.145 11.365 93.209 10 0 7.755 6.14 7.993 10.9390 10.9390 11.6640 8.716 6.775 94.465 11.667 93.203 11.6640 8.716 6.775 94.465 11.667 93.203 11.2610 <td>159 70 47.804 15.126 72.367 12.66 67.600 20.429 11.200 4.966 7 96.902 66 2009 466/73 1.5431 7.499 29.330 0 0 0 96.93 5.903 10.9031 63 166 46.423 1.3922 6.332 17.899 0 0 0 8.429 5.903 10.931 63 166 46.423 1.4,360 5.312 17.899 0 0 0 9.433 6.703 10.933 647 46 17.108 17.126 17.128 17.189 17.169 12.442 14.300 8.776 6.12 8.493 107 76 47.793 17.168 17.168 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.164 17.164 17.164</td> <td>382-86 38</td> <td>104</td> <td>108</td> <td>47,390</td> <td>15,394</td> <td>13,712</td> <td>109</td> <td>8,890</td> <td>4,068</td> <td>13,396</td> <td>5,568</td> <td></td> <td></td> <td>/6,289</td> <td>104,459</td>	159 70 47.804 15.126 72.367 12.66 67.600 20.429 11.200 4.966 7 96.902 66 2009 466/73 1.5431 7.499 29.330 0 0 0 96.93 5.903 10.9031 63 166 46.423 1.3922 6.332 17.899 0 0 0 8.429 5.903 10.931 63 166 46.423 1.4,360 5.312 17.899 0 0 0 9.433 6.703 10.933 647 46 17.108 17.126 17.128 17.189 17.169 12.442 14.300 8.776 6.12 8.493 107 76 47.793 17.168 17.168 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.163 17.164 17.164 17.164	382-86 38	104	108	47,390	15,394	13,712	109	8,890	4,068	13,396	5,568			/6,289	104,459
68 209 48,673 15,443 7,499 29,500 0 6,420 4,6,11 7 9 99,902 63 16,663 14,361 6,706 30,363 17,893 0 0 9,463 6,403 14,361 6,706 30,363 17,893 0 0,0231 52 88 46,424 14,560 5,312 17,893 0 0 9,433 6,403 10,231 64 88 46,424 14,560 12,182 18,557 0 0 0 9,433 6,775 6,214 17,758 6,4469 107 76 87,798 17,128 12,143 12,143 12,143 13,345 13,442 13,363 12,473 13,363 12,479 6,776 6,716 13,363 1156 76 7 8,173 13,393 12,442 13,393 12,479 6,716 13,363 13,363 1156 76 7 13,393 16,641	68 209 48679 15,443 7,499 29,300 0 0 6420 4,521 6,703 99,902 63 200 46,433 1,4331 6,705 30,936 0 0 96,863 6,139 1 100,231 52 89 46,432 14,360 5,312 17,893 0 0 96,863 6,134 10,231 52 89 45,112 14,862 9,923 18,552 0 0 0 96,863 6,143 10,231 6 77 86 47,112 17,266 15,432 20,923 18,552 0 0 0 91,43 6,775 84,469 6 77 17,78 17,78 17,782 19,734 21,060 23,943 17,173 13,352 23,943 17,173 13,352 23,943 13,173 84,469 13,443 155 70 57 19,742 19,742 21,050 24,144 13,743	386-87	159	6	47,884	15,125	72,387	12,696	87,680	20,429	11,200	4,966			86,905	251,938
63 200 46,453 14,361 6,705 30,968 0 0 8,429 6,209 6 100 21,133 63 156 48,222 13,922 8,936 23,330 0 0 9,869 6,119 10 94,163 64 88 42,112 14,662 9,533 16,569 0 0 9,143 6,775 6,214 10,231 64 88 42,112 14,662 9,533 16,562 0 0 9,143 6,775 6,214 10,363 107 756 47,780 17,216 12,432 19,310 25,162 10,640 8,676 6,13 9,136 117 85 19,71 12,432 19,310 25,162 10,640 8,676 6,12 10,336 1166 75 86 70 8,775 6,112 11,363 13,363 1167 75 10,541 12,452 19,512 21,643 70,64	63 200 46,463 (1,381) 6,706 30,568 0 0 8,429 6,709 7 7 7 7 7 7 7 7 7 7 7 7 7 7 100,231 65 15 14,560 3935 15,520 0 0 0 9,133 6,719 1 1 94,153 64 88 47,112 14,560 9,333 18,552 0 0 0 9,133 6,775 6,714 1 94,163 107 76 47,798 17,786 12,143 2,913 15,512 10,540 9,133 6,775 6,714 13,763 13,930 116 776 47,798 17,718 12,143 2,913 5,116 12,422 19,310 14,164 17,756 6,12 13,193 13,163 13,1363 13,1363 13,1363 14,164 17,263 6,176 13,1363 14,164 17,216 2,146	387-88	68	209	48,679	15,443	7 ,499	29,360	0	0	6,420	4,621			99,902	112,022
63 156 48,232 13,922 8,936 23,330 0 0 0 6,119 94,153 62 68 47,24 14,360 5,312 17,899 0 0 9,933 5,903 5 9,03 6,175 0 94,163 64 88 3,2,112 17,466 16,739 16,775 6,715 6,715 6,715 6,147 8,166 107 76 87 17,18 12,432 19,313 25,152 10,640 8,716 6,717 8 93,002 113 756 17,18 17,178 12,432 20,911 25,152 10,640 8,716 6,775 8,716	63 156 48,222 13,922 8,936 2,3330 0 0 8,663 6,119 34,153 62 86 46,424 14,360 5,312 17,699 0 0 9,933 5,903 5,903 8,646 62 86 37,111 17,266 12,133 16,552 0 0 17,256 6,124 8,466 107 76 47/96 17,176 12,133 36,552 0 0 0 17,256 6,12 8,466 1167 76 47/96 17,176 12,133 26,152 10,640 8,116 6,532 10,301 1166 676 6612 67 6,123 13,355 22,914 51,247 21,063 77 10,355 1156 675 16,740 8,616 6,12 13,355 25,914 51,247 21,063 77 24,79 6,917 13,355 1156 675 167 8,103	<u> 388-89</u>	83	200	46,463	14,381	6,705	30,958	0	0	8,429	6,209			100,231	113,145
52 89 46,424 14,360 5,312 17,895 17,189 17,189 17,366	52 89 46,424 14,360 5,312 17,893 0 0 0 9,333 6,775 6,903 6,903 6,903 6,903 6,903 6,866 6 37,713 17,786 17,786 17,186 17,186 17,186 17,186 17,176 17,186 17,176 17,186 17,176 17,166 17,176 17,176 17,176 17,176 1	06-686	8	156	48,232	13,922	8,935	23,330	0	0	8,669	6,119			94,153	109,207
64 88 $42,112$ $14,662$ $9,923$ $18,552$ 0 0 $17,756$ $6,172$ $6,775$ $6,776$ 7 $84,469$ 107 76 $47,736$ $17,786$ $17,182$ $18,557$ 0 0 0 7725 $6,514$ 7 0 $93,002$ 107 76 $47,796$ $17,718$ $12,432$ $19,310$ $25,162$ $10,640$ $8,676$ $6,612$ 7 0 $93,002$ $93,002$ 156 75 $46,576$ $19,724$ $21,060$ $23,949$ $4,104$ $8,022$ $6,957$ 7 $113,653$ 156 75 $46,745$ $13,991$ $21,902$ $23,949$ $4,104$ $8,022$ $6,957$ 7 $13,932$ 156 75 $46,745$ $13,264$ $21,060$ $23,494$ $4,104$ $8,022$ $6,957$ 7 $93,792$ 156 750 $17,070$ $5,026$ $12,43$	64 88 42,112 14,662 9,233 18,552 0 0 0 1,735 6,775 6,775 6,714 7 7 84,669 107 76 47,796 17,178 17,179 17,179 17,179 17,179 <td>390-91</td> <td>52</td> <td>8</td> <td>46,424</td> <td>14,360</td> <td>5,312</td> <td>17,899</td> <td>0</td> <td>0</td> <td>9,983</td> <td>5,903</td> <td></td> <td></td> <td>88,666</td> <td>99,881</td>	390-91	52	8	46,424	14,360	5,312	17,899	0	0	9,983	5,903			88,666	99,881
62 86 37,131 17,266 12,182 18,357 0 0 7,725 6,214 > 80,498 107 76 47,796 17,216 12,432 19,310 25,152 10,640 8,776 6,612 7 20 23,002 167 899 37,784 17,716 12,432 20,911 13,335 25,914 51,524 10,640 8,716 6,812 7 20 23,002 1756 770 57,489 20,971 13,335 22,914 51,274 21,083 17,479 6,471 7 7 23,002 1756 750 19,724 21,050 23,949 4,104 12,379 2,973 2,973 2,973 2,973 2,973 2,975 2,975 2,976 2,976 2,976 2,976 2,976 2,976 2,976 2,976 2,976 2,976 2,976 2,966 2,966 2,966 2,966 2,966 2,966 2,966 2,966	62 86 37,131 17,286 12,182 18,357 0 0 7,725 6,214 > 80,498 107 76 47,798 17,218 12,422 19,310 25,152 10,640 8,676 6,612 > 93,002 156 70 67,498 17,718 12,143 20,812 10,739 6,749 17,216 12,432 19,300 816 6,612 > 10 93,002 156 77 45,748 17,718 12,143 20,812 51,043 6,102 > 10,739 6,746 93,002 156 67 45,05 19,574 21,608 8,219 4,104 8,023 6,769 7 2 93,038 150 55 65,047 31,027 8,691 5,691 7 93,038 8,462 150 55 13,642 20,782 790 7,264 6,769 7 93,038 150 55 13,642 <td><u> 3</u>91-92</td> <td>64</td> <td>8</td> <td>42,112</td> <td>14,662</td> <td>9,923</td> <td>18,552</td> <td>0</td> <td>0</td> <td>9,143</td> <td>6,775</td> <td></td> <td></td> <td>84,469</td> <td>101,167</td>	<u> 3</u> 91-92	64	8	42,112	14,662	9,923	18,552	0	0	9,143	6,775			84,469	101,167
107 76 47,798 17,218 12,432 19,310 25,152 10,640 8,676 6,612 7 9 7 9 37,784 17,178 12,143 20,812 0 0 8,116 6,532 7 9 13,363 1 156 770 57,489 20,971 13,335 22,944 51,274 21,083 12,479 6,471 7 7 13,853 1 156 65 19,724 21,060 23,949 4,606 0 9,439 7,056 6,471 7 7 13,853 1 156 65 19,724 21,060 23,949 4,104 8,022 6,471 7	107 76 47,796 17,218 12,432 19,310 25,152 10,640 8,676 6,612 7 9 7 1 15 89 37,784 17,178 12,432 29,12 0 0 8,116 6,592 7 83,900 1 15 75 19,734 17,178 12,432 25,914 61,274 21,083 12,479 6,471 7 83,900 1 155 16 19,724 21,050 23,949 4,605 6,12 6,739 7 13,553 1 155 16 19,724 21,606 82,19 4,104 8,022 6,564 7 13,553 1 156 13,564 11,525 23,949 23,012 7,410 7,470 6,564 7 13,553 1 156 13,564 11,526 23,912 7,903 7,470 6,967 7 0 0 0 0 0 0 <t <="" td=""><td><u> 3</u>92-93</td><td>62</td><td>8</td><td>37,131</td><td>17,285</td><td>12,182</td><td>18,357</td><td>0</td><td>0</td><td>7,725</td><td>6,214</td><td></td><td></td><td>80,498</td><td>98,894</td></t>	<u> 3</u> 92-93	62	8	37,131	17,285	12,182	18,357	0	0	7,725	6,214			80,498	98,894
67 89 37,784 17,178 12,143 20,812 0 0 6,716 6,392 6 7 83,890 155 70 57,489 20,971 13,335 22,914 51,274 21,063 12,479 6,471 7 7 113,653 136 75 46,267 19,724 21,060 23,949 4,606 0 9,439 7,058 67 7 7 93,379 150 55 45,445 13,654 21,608 8,219 4,104 8,022 6,957 7 93,379 150 55 45,445 11,226 24,452 0 0 7,470 5,864 7 8,914 8,73 8,7462 167 893 11,264 11,226 24,452 0 0 7,470 5,864 7 8,914 8,7462 8,7462 180 863 12,363 11,226 13,442 11,226 21,816 7,263 6,760	67 89 37,784 17,178 12,143 20,812 0 0 6,320 6,320 6 70 83,890 155 70 57,489 20,971 13,335 22,914 51,274 21,083 12,479 6,471 70 8,390 136 75 46,267 19,724 21,060 23,949 4,606 0 9,439 7,068 7,058 7,058 7,058 7,058 7,058 7,058 99,379 1450 552 45,445 13,6395 13,991 21,608 82,19 4,104 8022 6,967 7,058 7,058 88 65 45,445 11,226 23,016 19,672 56,047 31,027 8,691 6,763 7,66 7,66 7,66 7,66 7,66 7,66 7,66 7,66 87,462 87,462 87,462 87,462 87,462 87,462 87,462 87,462 87,462 87,462 87,462 87,462 87,462 87,462<	993-94	107	76	47,798	17,218	12,432	19,310	25,152	10,640	8,676	6,612			93,002	137,198
15570 $57,489$ $20,971$ $13,335$ $22,914$ $51,274$ $21,060$ $51,274$ $21,063$ $12,479$ $6,471$ 7 7 $113,853$ 13575 $45,767$ $19,724$ $21,060$ $23,949$ $4,606$ 0 $9,439$ $7,058$ 7 7 $99,379$ 125 $65,77$ $47,013$ $16,3964$ $13,991$ $21,603$ $23,949$ $4,606$ 0 $9,439$ $7,058$ 7 $90,379$ 150 $65,745$ $13,991$ $21,603$ $23,942$ $23,916$ $19,672$ $56,047$ $31,027$ $8,691$ $5,854$ 7 $93,038$ 150 $62,7$ $43,703$ $11,226$ $23,445$ $13,622$ $24,452$ 0 0 $7,763$ $6,760$ 7 $96,676$ 883 $63,327$ $13,442$ $11,226$ $23,916$ $23,912$ $23,902$ $7,902$ $7,763$ $6,760$ 7 $96,676$ 883 $73,293$ $11,242$ $21,617$ $20,782$ 790 $7,263$ $6,760$ $7,763$ $6,760$ $7,763$ $6,6406$ 883 $73,769$ $12,517$ $20,782$ $21,916$ $7,263$ $6,760$ $7,263$ $8,6406$ 883 $73,783$ $11,612$ $21,912$ $21,912$ $23,718$ $92,300$ $7,504$ $5,793$ $8,4861$ 884 $8,773$ $21,812$ $21,812$ $23,712$ $21,912$ $27,914$ $8,6406$ $7,600$ $7,504$ $27,049$ $8,6406$ 885 $63,864$	155 70 57,489 20,971 13,335 22,914 51,274 21,063 12,479 $6,471$ >> 113,863 136 75 46,267 19,724 21,060 23,949 4,606 0 9,439 7,068 >> 93,379 150 52 45,445 13,654 21,608 8,219 4,104 8,022 6,957 >> 93,339 150 52 45,445 13,564 23,901 21,608 8,219 4,104 8,022 6,957 >> 93,339 150 52 45,445 11,226 24,452 0 0 7,470 5,964 >> 93,346 89 64 93 11,262 24,452 0 0 7,470 5,964 >> 93,462 89 49,327 13,442 17,226 21,915 23,916 7,670 5,964 >> 96,406 80 82 93 23,016 7,823 24,45	394-95	67	8	37,784	17,178	12,143	20,812	0	0	8,116	6,392			83,890	102,425
136 75 $46,267$ $19,724$ $21,060$ $23,949$ $4,606$ 0 $9,439$ $7,068$ 7 7 $99,379$ 1 125 67 $47,013$ $16,396$ $13,991$ $21,608$ $8,219$ $4,104$ $8,022$ $6,957$ 69 7 $93,038$ 1 50 55 $45,445$ $13,654$ $23,016$ $19,572$ $56,047$ $31,027$ $8,691$ $5,864$ 7 7 $93,038$ 89 64 $49,308$ $14,446$ $11,226$ $24,452$ 0 0 $7,470$ $5,208$ 7 7 $96,676$ 83 73 $23,729$ $13,442$ $12,751$ $20,782$ 790 $7,700$ $5,208$ 7 $96,676$ 83 73 $43,329$ $17,470$ $27,619$ $8,770$ $7,700$ $5,769$ 7 7 $96,676$ 83 73 $43,759$ $17,562$ $13,917$ $21,916$ $23,90$ 790 $7,700$ $5,970$ 7 $27,949$ 84 86 86 780 $7,700$ $7,700$ $5,770$ $7,700$ $5,790$ $87,460$ $76,406$ 85 68 $86,996$ $11,547$ $9,536$ $18,916$ 938 8956 $7,800$ $5,790$ $27,949$ $87,640$ 86 67 67 67 67 67 67 67 700 $29,941$ $70,646$ $70,646$ $70,646$ $70,646$ 87 $65,603$ $11,547$ $9,786$ $19,786$	136 75 46,267 9,724 21,060 23,949 4,606 0 9,439 7,068 7 9 7 125 65 47,013 16,396 13,991 21,606 8,219 4,104 8,022 6,957 7 90,379 150 52 45,445 13,654 23,016 19,672 56,047 31,027 8,691 5,864 91,036 899 64 49,308 14,446 11,226 24,452 0 0 7,470 5,208 7 96,766 893 64 683 13,209 17,216 27,912 7,903 7,703 6,706 7 90,814 81 67 67 0 0 0 0 0 0 96,766 86,406 81 73 13,623 13,997 21,815 23,016 7 26 7 27 96,766 82 82 10 0 0 0	<u> 395-96</u>	155	70	57,489	20,971	13,335	22,914	51,274	21,083	12,479	6,471			113,853	184,933
125 67 47,013 16,395 13,991 21,608 8,219 4,104 8,022 6,957 1 1 33,038 150 52 45,445 13,646 23,016 19,672 56,047 31,027 8,691 5,854 1 87,462 89 64 49,308 14,446 11,226 24,452 0 0 7,470 5,064 1 96,914 87,462 13,667 1 87,462 11,226 24,452 0 0 7,470 5,064 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 96,676 1 1 96,676 1 1 1 1 1 1 </td <td>125 67 47,013 16,395 13,901 21,608 8,219 4,104 8,022 6,957 6 7 7 93,038 150 52 45,445 13,654 23,016 19,572 56,047 31,027 8,691 5,854 7 7 7462 89 64 49,326 13,644 11,226 24,452 0 0 7,470 5,864 7 7 86,616 81 68 49,327 13,442 17,226 24,452 0 0 7,470 5,864 7 7 96,676 83 73 43,329 17,268 13,097 21,816 230 7 7 7 7 7 7 86,616 7 7 96,676 7 86,406 7 86,406 7 86,406 7 86,406 7 86,406 7 86,406 7 86,406 7 86,406 7 86,406 7 86,406</td> <td>996-97</td> <td>136</td> <td>75</td> <td>46,267</td> <td>19,724</td> <td>21,050</td> <td>23,949</td> <td>4,606</td> <td>0</td> <td>9,439</td> <td>7 ,058</td> <td></td> <td></td> <td>99,379</td> <td>132,093</td>	125 67 47,013 16,395 13,901 21,608 8,219 4,104 8,022 6,957 6 7 7 93,038 150 52 45,445 13,654 23,016 19,572 56,047 31,027 8,691 5,854 7 7 7462 89 64 49,326 13,644 11,226 24,452 0 0 7,470 5,864 7 7 86,616 81 68 49,327 13,442 17,226 24,452 0 0 7,470 5,864 7 7 96,676 83 73 43,329 17,268 13,097 21,816 230 7 7 7 7 7 7 86,616 7 7 96,676 7 86,406 7 86,406 7 86,406 7 86,406 7 86,406 7 86,406 7 86,406 7 86,406 7 86,406 7 86,406	996-97	136	75	46,267	19,724	21,050	23,949	4,606	0	9,439	7 ,058			99,379	132,093
150 52 45,445 13,654 23,016 19,672 56,047 31,027 8,691 5,864 > 87,462 89 64 49,308 14,446 11,226 24,452 0 0 7,470 5,804 > 95,676 81 68 49,308 14,446 11,226 24,452 0 0 7,470 5,804 > 95,676 83 73 13,422 13,097 21,815 2300 7,503 5,769 > 96,406 83 73 43,595 11,569 8,773 21,116 0 0 7,504 5,769 > 27,049 85,544 82 88 45,995 11,569 8,773 21,116 0 0 7,504 5,769 > 27,049 85,544 82 66 66 67 6,896 5,802 6,896 84,861 86,406 82 78 9336 14,814	150 52 45,445 13,654 23,016 19,672 56,047 31,027 8,691 5,864 > 87,462 89 64 49,308 14,446 11,226 24,452 0 0 7,470 5,208 > 95,676 84 68 49,327 13,442 17,226 24,452 0 0 7,470 5,208 > 95,676 83 73 43,329 12,768 13,097 21,912 230 7,263 6,760 > 27,903 84,861 83 73 43,759 12,768 13,097 21,916 0 0 7,800 5,800 > 27,903 84,861 85 86 8,530 11,547 9,536 18,918 85,64 > 27,903 84,861 87 86 66 66 6,866 5,800 5,769 27,03 84,861 88 56 9,366 18,818 938 84,86	997-98	125	67	47,013	16,395	13,991	21,608	8,219	4,104	8,022	6,957			93,038	122,205
89 64 49,308 14,446 11,226 24,452 0 0 7,470 5,208 0 </td <td>89 64 49,308 14,446 11,226 24,452 0 0 7,470 5,208 0 <!--</td--><td>66-866</td><td>150</td><td>52</td><td>45,445</td><td>13,654</td><td>23,016</td><td>19,672</td><td>56,047</td><td>31,027</td><td>8,691</td><td>5,854</td><td></td><td></td><td>87 ,462</td><td>172,379</td></td>	89 64 49,308 14,446 11,226 24,452 0 0 7,470 5,208 0 </td <td>66-866</td> <td>150</td> <td>52</td> <td>45,445</td> <td>13,654</td> <td>23,016</td> <td>19,672</td> <td>56,047</td> <td>31,027</td> <td>8,691</td> <td>5,854</td> <td></td> <td></td> <td>87 ,462</td> <td>172,379</td>	66-866	150	52	45,445	13,654	23,016	19,672	56,047	31,027	8,691	5,854			87 ,462	172,379
84 68 49,327 13,442 12,517 20,782 790 7,263 6,760 7 90,814 83 73 43,329 12,568 13,097 21,815 230 7,504 5,870 7 20,83 84,861 6 82 43,759 12,518 8,530 21,394 0 0 7,504 5,870 7 22,983 84,861 7 82 85 11,569 8,73 21,116 0 0 7,380 5,759 7 22,983 84,861 7 88 45,995 11,569 8,773 21,116 0 0 2,738 84,861 7 88 45,995 11,547 9,535 18,918 938 696 5,802 5,769 7,943 87,640 7 78 57,807 5,760 7,807 4,538 7,630 27,049 8,564 138 57 13,616 19,366 40,300 7,507 </td <td>84 68 49,327 13,442 12,517 20,782 790 7263 6,760 7 90,814 83 73 43,329 12,758 13,097 21,815 230 7,504 5,870 7 22,983 84,861 67 82 43,759 12,758 13,097 21,815 230 230 7,504 5,870 7 22,983 84,861 87 82 83 8,530 21,816 0 0 7,580 5,759 7 22,983 84,861 87 86 50,309 11,547 9,535 18,918 0 0 7 280 7 27,048 85,564 88 57 86 89 57,69 7,807 5,769 7 27,93 84,861 87 86 66 670 7 87,406 7 7 27,93 84,861 88 554 87 9336 19,356 40,399</td> <td>00-666</td> <td>8</td> <td>64</td> <td>49,308</td> <td>14,446</td> <td>11,226</td> <td>24,452</td> <td>0</td> <td>0</td> <td>7,470</td> <td>5,208</td> <td></td> <td></td> <td>95,676</td> <td>112,110</td>	84 68 49,327 13,442 12,517 20,782 790 7263 6,760 7 90,814 83 73 43,329 12,758 13,097 21,815 230 7,504 5,870 7 22,983 84,861 67 82 43,759 12,758 13,097 21,815 230 230 7,504 5,870 7 22,983 84,861 87 82 83 8,530 21,816 0 0 7,580 5,759 7 22,983 84,861 87 86 50,309 11,547 9,535 18,918 0 0 7 280 7 27,048 85,564 88 57 86 89 57,69 7,807 5,769 7 27,93 84,861 87 86 66 670 7 87,406 7 7 27,93 84,861 88 554 87 9336 19,356 40,399	00-666	8	64	49,308	14,446	11,226	24,452	0	0	7,470	5,208			95,676	112,110
83 73 83,329 12,758 13,097 21,815 230 230 7,504 5,870 6 86,406 86,4	83 73 81,329 12,758 13,097 21,815 230 230 7,504 5,870 6 86,406 86,406 67 82 43,759 12,318 8,530 21,394 0 0 7,380 5,759 7 22,983 84,861 82 45,995 11,547 9,535 18,916 0 0 7,380 5,759 7 22,983 84,861 78 86 50,309 11,547 9,535 18,918 938 695 6,866 5,802 7 23,93 84,61 780 57 53,832 11,547 9,536 40,399 24,187 7,807 4,538 21,63 87,60 136 57,600 12,000 12,000 29,500 24,187 7,807 4,538 21,63 87,606 135 55,600 12,000 12,000 29,500 24,187 7,807 4,508 51,640 87,500 135 55,600	000-01	84	8	49,327	13,442	12,517	20,782	062	290	7,263	6,760			90,814	110,881
67 82 43,759 12,318 8,530 21,394 0 0 7,380 5,759 3 22,983 84,861 82 84 955 11,569 8,773 21,116 0 0 6,874 6,270 7 22,983 84,861 78 86 50,309 11,547 9,535 18,918 938 695 6,874 6,270 7 28,981 87,640 78 85 51,309 11,547 9,535 18,918 938 695 6,866 5,802 7 28,981 87,640 736 57,807 57,807 6,876 5,802 7,807 4,538 7,807 87,630 87,640 735 57,600 72,000 76,000 7,807 7,807 4,538 70,203 70,203 735 57,600 72,000 7,807 7,807 7,900 7,907 7,807 7,807 7,807 7,803 70,203 70,203 70,203 <	67 82 43,759 12,318 8,530 21,394 0 0 7,380 5,759 3 22,983 84,861 82 84 95 11,569 8,773 21,116 0 0 6,874 6,270 7 22,983 84,861 82 86 50,309 11,547 9,535 18,918 938 695 6,874 6,270 7 28,981 87,640 78 86 51,302 11,547 9,535 18,918 938 695 6,866 5,802 7,803 87,640 87,640 7136 57,600 71,000 29,500 7,807 4,538 7,807 7,806 5,450 87,640 7136 57,600 7,800 7,807 7,807 4,538 7,023 70,203 7135 57,600 7,800 7,800 7,800 7,900 7,900 7,200 7,200 7135 57,600 7,800 7,800 7,900 <t< td=""><td>001-02</td><td>8</td><td>73</td><td>43,329</td><td>12,758</td><td>13,097</td><td>21,815</td><td>230</td><td>230</td><td>7,504</td><td>5,870</td><td></td><td></td><td>85,406</td><td>104,603</td></t<>	001-02	8	73	43,329	12,758	13,097	21,815	230	230	7,504	5,870			85,406	104,603
82 88 45,995 11,569 8,773 21,116 0 0 6,874 6,270 7 27,049 85,554 78 86 50,309 11,547 9,535 18,918 938 695 6,866 5,802 7 28,981 87,640 138 57 53,832 11,547 9,535 18,918 938 695 6,866 5,802 7 28,981 87,640 138 57 53,832 11,355 14,814 19,356 40,399 24,187 7,807 4,538 7 27,08 7,303 27,360 102,200 102,	82 88 45,995 11,569 8,773 21,116 0 0 6,874 6,270 7 27,049 85,554 78 86 50,309 11,547 9,535 18,918 938 695 6,866 5,802 27,049 85,564 138 57 53,832 11,547 9,535 18,918 938 695 6,866 5,802 28,981 87,640 138 57 53,832 11,355 14,814 19,356 40,399 24,187 7,807 4,538 31,643 32,300 136 57,600 12,000 29,500 39,000 16,300 7,807 4,900 5,450 53,085 102,200 135 91 7,807 7,807 7,807 7,900 7,905 53,085 102,200 135 14,537 12,000 29,500 16,300 16,300 7,807 8,400 5,456 53,085 102,200 137 91,152 14,593	002-03	67	82	43,759	12,318	8,530	21,394	0	0	7 ,380	5,759		22,983	84,851	122,123
78 86 50,309 11,547 9,535 18,918 938 695 6,866 5,802 7 28,981 87,640 138 57 53,832 11,355 14,814 19,356 40,399 24,187 7,807 4,538 31,643 92,350 136 57 52,600 12,000 29,500 39,000 16,300 7,807 4,538 31,643 92,350 135 57,600 12,000 29,500 39,000 16,300 7,807 4,900 5,450 53,085 102,200 97 91 47,026 14,687 20,766 14,692 6,071 8,607 5,947 5,450 31,192	78 86 50,309 11,547 9,535 18,918 938 695 6,866 5,802 28,981 87,640 138 57 53,832 11,355 14,814 19,356 40,399 24,187 7,807 4,538 31,643 92,350 136 57 52,600 12,000 29,500 39,000 16,300 7,807 4,538 53,085 102,200 135 57,600 12,000 29,500 39,000 16,300 7,807 4,900 5,450 53,085 102,200 97 91 47,026 14,793 14,687 20,766 14,692 6,071 8,607 5,440 5,748 91,192	003-04	82	8	45,995	11,569	8,773	21,116	0	0	6,874	6,270		27,049	85,554	127,646
0 138 57 53,832 11,355 14,814 19,356 40,399 24,187 7,807 4,538 31,643 92,350 7 135 57 52,600 12,300 29,500 39,000 16,300 7,800 4,900 5,450 53,085 102,200 97 91 47,026 14,793 14,687 20,766 14,692 6,071 8,607 5,450 32,748 91,192	0 138 57 53,832 11,355 14,814 19,356 40,399 24,187 7,807 4,538 31,643 92,350 7 135 57 52,600 12,300 12,000 29,500 39,000 16,300 7,800 4,900 5,450 53,085 102,200 97 91 47,026 14,793 14,687 20,766 14,692 6,071 8,607 5,947 5,450 32,748 91,192	004-05	78	98	50,309	11,547	9,535	18,918	938 938	695	6,866	5,802		28,981	87,640	132,896
' 135 57 52,600 12,300 12,000 29,500 39,000 16,300 7,800 4,900 5,450 53,085 102,200 97 91 47,026 14,793 14,687 20,766 14,692 6,071 8,607 5,947 5,450 32,748 91,192	135 57 52,600 12,300 12,000 29,500 39,000 16,300 7,800 4,900 5,450 53,085 102,200 97 91 47,026 14,593 14,687 20,766 14,692 6,071 8,607 5,947 5,450 32,748 91,192	005-06	138	57	53,832	11,355	14,814	19,356	40,399	24,187	7,807	4,538		31,643	92,350	183,744
97 91 91 47,026 14,793 14,687 20,766 14,692 6,071 8,607 5,947 5,450 32,748 91,192	97 91 91 47,026 14,793 14,687 20,766 14,692 6,071 8,607 5,947 5,450 32,748 91,192	006-07	135	22	52,600	12,300	12,000	29,500	39,000	16,300	7,800	4,900	5,450	53,085	102,200	216,635
		NG.	26	91	47,026	14,793	14,687	20,766	14,692	6,071	8,607	5,947	5,450	32,748	91,192	134,208

IN-VALLEY USES ARE THE SUM OF IRRIGATION, STOCKWATER, E/M, AND RECREATION & WILDLIFE GROUNDWATER RECHARGE INCLUDES LAWS SPREADING VALUES FOR 2006-07 ARE FORECASTED OR PLANNED VALUES PUMPING 1987 TO PRESENT INCLUDES E/M PUMPING NOTES:

Project	Water Supplied (acre-feet)
McNally Canals Conveyance Losses	351
McNally/Laws/Poleta Native Pasture Lands	1,269
McNally Ponds	1,522
Laws Historical Museum	59
Klondike Lake	1,203
Lower Owens River	7,566
Independence Pasture Lands	3,330
Independence Springfield	519
Independence Ditch System	356
Independence Woodlot	190
Shepherd Creek Alfalfa Lands	1,152
Lone Pine Park/Richards Field	1,085
Lone Pine Woodlot	100
Lone Pine Van Norman Field	474
Lone Pine Regreening	180
Total E/M Uses	19,356

Table 14. Water Supplied to Enhancement/Mitigation Projects During 2005-2006 Runoff Year





day/mo	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	0ct-05	Nov-05	Dec-05	Jan-06	Feb-06	Mar-06	Annual
1	1.57	1.74	2.03	2.27	2.74	2.74	2.80	2.79	2.63	2.31	2.17	2.19	
2	1.57	1.74	2.03	2.27	2.74	2.74	2.00	2.75	2.65	2.31	2.17	2.13	
3	1.57	1.75	2.03	2.27	2.74	2.74	2.80	2.74	2.63	2.34	2.12	2.12	
4	1.57	1.77	1.98	2.32	2.69	2.74	2.80	2.74	2.63	2.27	2.12	2.12	
5	1.59	1.78	2.00	2.32	2.69	2.72	2.80	2.74	2.62	2.27	2.12	2.12	
6	1.61	1.79	2.00	2.37	2.70	2.74	2.80	2.74	2.60	2.26	2.12	2.12	
7	1.61	1.79	2.02	2.37	2.74	2.74	2.80	2.74	2.56	2.22	2.12	2.12	
8	1.61	1.79	2.00	2.37	2.74	2.74	2.80	2.74	2.53	2.22	2.14	2.12	
9	1.64	1.80	2.03	2.37	2.74	2.78	2.80	2.74	2.51	2.22	2.12	2.12	
10	1.65	1.84	2.07	2.42	2.74	2.80	2.80	2.73	2.49	2.22	2.12	2.12	
11	1.65	1.84	2.07	2.43	2.79	2.80	2.80	2.73	2.49	2.22	2.16	2.12	
12	1.69	1.88	2.07	2.47	2.80	2.80	2.80	2.70	2.49	2.22	2.17	2.12	
13	1.68	1.89	2.07	2.48	2.79	2.80	2.80	2.70	2.48	2.22	2.17	2.12	
14	1.65	1.93	2.07	2.48	2.74	2.77	2.80	2.69	2.46	2.22	2.17	2.13	
15	1.65	1.93	2.08	2.53	2.79	2.74	2.80	2.71	2.43	2.23	2.22	2.12	
16	1.67	1.89	2.11	2.57	2.80	2.74	2.78	2.69	2.43	2.27	2.22	2.12	
17	1.69	1.88	2.12	2.58	2.80	2.74	2.80	2.69	2.43	2.27	2.22	2.12	
18	1.70	1.92	2.12	2.58	2.80	2.74	2.80	2.69	2.43	2.27	2.22	2.12	
19	1.70	1.93	2.12	2.58	2.80	2.74	2.77	2.69	2.43	2.27	2.21	2.12	
20	1.70	1.93	2.12	2.58	2.80	2.74	2.78	2.69	2.43	2.27	2.19	2.12	
21	1.70	1.97	2.15	2.63	2.83	2.74	2.80	2.69	2.43	2.27	2.20	2.12	
22	1.74	1.98	2.17	2.63	2.85	2.74	2.77	2.69	2.43	2.27	2.22	2.12	
23	1.74	1.98	2.17	2.68	2.85	2.74	2.74	2.66	2.43	2.27	2.22	2.12	
24	1.74	1.98	2.17	2.69	2.85	2.78	2.74	2.63	2.43	2.27	2.22	2.12	
25	1.75	1.96	2.17	2.68	2.81	2.80	2.74	2.64	2.43	2.27	2.22	2.12	
26	1.79	1.98	2.17	2.65	2.74	2.80	2.74	2.66	2.42	2.27	2.22	2.11	
27	1.74	1.98	2.21	2.65	2.74	2.80	2.78	2.66	2.41	2.27	2.22	2.11	
28	1.73	1.98	2.22	2.66	2.76	2.80	2.80	2.65	2.35	2.27	2.28	2.12	
29	1.74	2.00	2.22	2.69	2.80	2.80	2.80	2.64	2.32	2.25		2.12	
30	1.51	2.03	2.19	2.69	2.76	2.65	2.77	2.79	2.32	2.23		2.12	
31		1.81		2.83	2.62		2.66		2.30	2.42		2.32	
TOTAL AF	99	116	125	155	170	164	171	161	152	139	121	118	1,691
AVG CFS	1.67	1.89	2.10	2.52	2.77	2.76	2.78	2.71	2.47	2.26	2.18	2.12	2.35
Max Daily	1.79	2.03	2.22	2.83	2.85	2.80	2.80	2.79	2.65	2.42	2.28	2.19	2.85
Min Daily	1.51	1.74	1.98	2.27	2.62	2.65	2.66	2.63	2.30	2.22	2.12	2.11	1.51

Table 15 - Reinhackle Spring Flow in cfs during 2005-06 Runoff Year

3.8 Water Spreading in the Owens Valley

Based on the April 1, 2005 snow survey, Owens Valley runoff for 2005-06 was forecasted to be 128 percent of normal. Typically in such a wet year, runoff from snowmelt during the spring and summer months exceeds the capacity of the Los Angeles aqueduct system. The LADWP spread water in Laws, Big Pine, and Independence area wellfields during months of April through August in response to high runoff or to reduce volume of flow in the LAA during the high runoff period in a manner that was also beneficial to groundwater recharge.

In July, 2005, the Superior Court of the State of California in an order resulting from the case number S1CVCV01-29768, Sierra Club and Owens Valley Committee vs. City of Los Angeles Department of Water and Power dated August 9, 2006 (Court Order) obligated LADWP to additional water spreading in the Laws Wellfield. Section 2.B. of the Court Order stated: "During the remainder of the current 2005-06 runoff year, and each runoff year thereafter until such time as the conditions are terminated by operation of this Order, the City shall supply 16,294 acre-feet of water from it's aqueduct system, or from the tributaries thereto, for recharging groundwater levels in the Laws Wellfield."

Beginning in October 2005, the LADWP spread water in the Laws Wellfield for the purpose of groundwater recharge to fulfill the Court Order. Sources of this spreading were diversions from the Owens River and Fish Slough Ditch and the total volume of spreading in response to the Court Order was 17,102 acre-feet.

Table 16 summarizes the spreading activities in each wellfield and total monthly amounts of spreading.

Area/Month	Laws	Big Pine	Independence	Total
Apr	2,421	1,216	0	3,637
May	1,701	281	2,514	4,496
Jun	1,169	378	4,493	6,040
Jul	1,844	574	6,411	8,829
Aug	447	0	17	464
Sep	0	0	160	160
Oct	2,329	0	0	2,329
Nov	3,866	0	21	3,887
Dec	3,558	0	0	3,558
Jan	3,592	147	0	3,739
Feb	3,261	0	0	3,261
Mar	0	0	0	0
Total	24,188	2,596	13,616	40,400

Table 16 -	Spreading	activities in t	the Owens	Valley for	2005-06 runoff y	vear
	Spreading	a cu viti co in i		vancyioi	Loos-oo ranon j	,