T–1044.—SALINITY OF IRRIGATION WATER RECEIVED BY DISTRICT AND LEACHING REQUIREMENT, 1964-66

Year	Annual discharge (acre-feet) [a]	Total salt (tons) [b]	Historic weighted average salinity			Leaching requirement (percent) [d]
			TAF	Parts per million	K×10⁶ [c] million	
	(1)	(2)	(3)	(4)	(5)	(6)
1964	2,770,474	3,284,284	1.19	875	1,250	21
1965	2,624,363	3,406,457	1.30	956	1,370	23
1966	2,817,912	3,650,447	1.30	956	1,370	23
Average	2,737,583	3,447,063	1.26	[e] 926	1,320	22

[a] Total discharge All-American Canal below drop 1.
[b] Based on weekly salinity samples.
[c] Based on conversion factor of 0.7 for parts per million to conductivity (micromhos/cm. to nearest 10).
[d] Based on average salt tolerance for 50 percent yield reduction and historic conductance of water delivered to district. Refer USDA Handbook No. 60 and Bulletin 283. Includes allowance for minimum nonuniformity of application.
[e] Weighted average.

T–1045.—THEORETICAL DISTRIBUTION "DELIVERED TO USERS," 1964-66

Year	Consumptive use (thousand acre-feet) [1]	Delivered to users [2]	Total leaching required [3]	Water available for farm efficiency-leaching requirement	
				Thousand acre-feet	Percent
1964	1,893	2,399	(5.56—4.39)×431.5—505	(1)	(100.0)
1965	1,839	2,312	(5.52—4.25)×432.5=549	(—76)	(103.3)
1966	1,815	2,470	(5.39—4.15)×437.5=543	112	95.5
3-year average	1,849	2,394	(5.46—4.26)×433.8—521		

[1] Based on Blaney-Criddle formula.
[2] Refer T–1037.
[3] (Total in 1,000 acre-feet) refer T–1046 for acre-feet per irrigated acre.
[4] Represents water that was available for farm loss after leaching requirement and consumptive use had been satisfied