

TABLE 10A-1: Middle Rio Grande Irrigation Systems: Irrigated Areas and Numbers of Farmers

All land, water, crop and cost numbers presented in this table are based on published documents or data from agencies, many of which use estimates or placeholder assumptions to assign values. These values are based in part on empirical data (measurements, studies) however, they should not be considered as measured data. Therefore, the results of this analysis should be viewed as conceptual only and not as factual. Specific, more accurate data needs include, cropped acreages, crop irrigation requirements, on- and off-farm efficiency coefficients. References for all source documents have been provided.

Notes and Assumptions

- 1 Data is arranged and presented to highlight On-Farm irrigation activities in MRGCD's system split by the three counties in the study area and all of the small community ditch systems in Sandoval County as a fourth group.
- 2 Reported Irrigated Acreages MRGCD Handout, *Estimated Irrigated Acreage as of July 2000*, MRGCD, 4/2001
- 3 Reported Irrigated Acreages Gore, C., et. al., *New Mexico Agricultural Statistics 2000*, USDA
- 4 Reported Irrigated Acreages Wilson, B., *Water Use by Categories in NM Counties and River Basins and Irrigated Acreage, 1999*
- 5 Reported Irrigated Acreages S.S. Papadopulos & Assoc., Inc., *MRGCD Efficiency and Metering Program*, NM ISC, Table 4.4, December 2002
- 6 Reported Irrigated Acreages Saavedra, Paul, *Surface Water Irrigation Organizations in NM*, NM OSE, Santa Fe, New Mexico, March 1987
- 7 Number of Customers 13,000 estimate (12000 - 14,000 from MRGCD Billing Records)
- 8 It is assumed all irrigated areas include fallow but not idle lands. Incidental depletions are not broken out in this exercise.

#	Irrigator Groups	Reported Irrigated Area ² (2000)	Reported Irrigated Area ³ (less non MRGCD systems) (2000)	Reported Irrigated Area ⁴ (1999)	Reported Irrigated Area ⁵ (2001)	Reported Irrigated Area ⁶ (1987)	Number of Reported Farms (see Note #3)	Avg. Farm Size	Number of Billed Customers (see Note #7)
1	2	3	4	5	6	7	8	9	10
		acres	acres	acres	acres	acres	#	acres	#
1	Sandoval-MRGCD	6,733	4,712	6,075	8,008		353	22.69	2,275
2	Bernalillo-MRGCD	12,870	9,190	8,760	9,291		468	19.85	2,640
3	Valencia-MRGCD	30,938	23,674	20,798	28,459		639	44.54	8,085
	Sub Totals	50,541	37,576	35,633	45,758		1,460	31.34	13,000
4	Sandoval-Small Systems					4,639	608	7.63	
	Totals	50,541				4,639			

- 1 Assume average size of all farms = 7.63 acres (includes MRGCD and non-MRGCD farms)
- 2 Assume Reported Farms are full time farms. Assume Sandoval Reported Farms in MRGCD = 80%
- 2 All farm numbers would be:

Systems	All Farms	Reported Farms	Small Farms and other irrigators	Production Farms
	#	#	#	%
Sandoval MRGCD	1,050	282	767	26.9%
Bernalillo-MRGCD	1,218	468	750	38.4%
Valencia-MRGCD	3,730	639	3,091	17.1%
Sandoval-Small Systems	608	71	537	11.6%
	6,605	1,460	5,145	22.1%