

# **Supporting Document O**

## **Regional Data from an Analysis Team Exercise**

2003

## MRGWA Planning Area Water Withdrawals and Consumption - Documentation Notes

### Definitions

|   |                                 |
|---|---------------------------------|
| gpcd - gallons per capita per day                           | PUE - Pueblo, INC -Incorporated |
| r - rural, s - sub-urban, u - urban,                        | CU - consumptive use            |
| BER - Bernalillo, VAL - Valencia, SAN - Sandoval (Counties) |                                 |

### A Municipal

|   |  |    |  |
|---|--|----|--|
| 1 | Non-Pueblo systems from NMED inventory, population, connection data updated between 1996 and 1999.   | 7  | Systems with population below 1,000 total residents termed rural - r   |
| 2 | Pueblo systems based on US Census data. Assume all population served, assume 3.6 persons per connection.   | 8  | CORRALES VILLAGE self supplied wells is shown under domestic wells in SAN-BER but in the Jurisdiction Comparison is shown as water used in SAN-INC. A small CORRALES VILLAGE system is shown as SAN -s also and counted as a small water system.                             |
| 3 | <b>Domestic well population and gpcd data from Wilson, 2000 - Tech Report 51. Connection data is total Wilson population data divided by Avg. Persons/Household for each County from 2000 Socioecon. Data, US Bureau of Census. Connections are therefore estimated as the number of active Domestic Wells by County. See Other Note 5. below.</b> | 9  | For all system types s and r, all gpcd figures are from Wilson, 2000, Tech. Report 51. Where systems are not included in Wilson, average gpcd numbers from Wilson have been inserted (s -128 gpcd, and r - 105 gpcd). These estimates are shown in Arial Black               |
| 4 | City of Albuquerque and Rio Rancho flow numbers are actuals.   | 10 | Withdrawals are shown as gpcd x population x 365 days  |
| 5 | Systems with population greater than 4,000 total residents termed urban - u  | 11 | Consumption is the same as withdrawals except where public wastewater systems are known to be in place. In these cases, consumption is calculated as a straight 50 percent of withdrawals. These systems are also shown with a gray fill in the applicable spreadsheet cell. |
| 6 | Systems with population between 4,000 and 1,000 total residents termed   |    |  |

### B Irrigation

|   |  |
|---|--|
| 1 | MRGCD acreage data from MRGCD, 2000  |
| 2 | MRGCD diversion and consumption data from DBS&A MRGWA Alternative #7 Analysis. |
| 3 | Acequia acreage and diversion data from Saavedra, OSE, 1980                    |

### C Riparian

|   |   |
|---|---|
| 1 | Total acreage and consumption data from DBS&A MRGWA Alternative #1 Analysis as revised in Analysis Team on 6/15/03. |
| 2 | Percent riparian breakdown by jurisdiction is the same as the breakdown in DBS&A Alternative #1 Analysis.           |
| 3 | CU / acre - consumptive use per acre is the same as reported number from DBS&A Alternative #1 Analysis.             |

### D Other

|   |   |
|---|---|
| 1 | Casino water use is calculated by assuming a # of vehicles per day that visit each casino. Car trip estimates here are assumed.   |
| 2 | Golf course water use is assumed to be 900,000 gallons per day during watering months.  |
| 3 | INTEL daily water withdrawal is taken from INTEL web site, consumption at 50% as INTEL discharges to city of Albuquerque WWTP.  |
| 4 | Tamaya Hotel at Santa Ana has   |
|   | 350 rooms, laundry, pool, and three restaurants. Assume   |
|   | Occupancy 40% People per room 1.5   |
|   | gpcd 200 days of operation 365  |
| 5 | Domestic Well Permits outstanding with NMOSE compared to estimated number from this exercise is as follows below. Note that registered wells may not be in use, maybe abandoned, or may be used for some other purpose than domestic supply, i.e., landscaping and/or agricultural irrigation, or stock watering. |

| County                  | NMOSE Registered # | Estimate      | % Difference |
|-------------------------|--------------------|---------------|--------------|
| Bernalillo              | 23,604             | 17,161        | -27%         |
| Sandoval + all Corrales | 7,849              | 8,663         | 10%          |
| Valencia                | 16,411             | 11,601        | -29%         |
| <b>Total</b>            | <b>47,864</b>      | <b>37,425</b> | <b>-22%</b>  |

## MRGWA Planning Area Water Withdrawals and Consumption by Type and Jurisdiction

| A. Municipal |  |              |            |            |                |               |               |                |             |           |
|--------------|--|--------------|------------|------------|----------------|---------------|---------------|----------------|-------------|-----------|
| #            | SYSTEM / DIVISION NAME                   | Jurisdiction | basic data |            |                |               | withdrawals   |                | consumption |           |
|              |  |              | GPCD       | Population | Type of System | # of Connecc. | Pop/ Connecc. | gal/year       | acre-feet   | acre-feet |
| 1            | ALBUQUERQUE WATER SYSTEM                 | BER-INC      | 205        | 445,000    | u              | 137,664       | 3.2           | 33,297,125,000 | 102,138     | 51,069    |
| 2            | CITY OF RIO RANCHO                       | SAN-INC      | 181        | 56,000     | u              | 18,000        | 3.1           | 3,699,640,000  | 11,349      | 5,674     |
| 3            | KIRTLAND AIR FORCE BASE                  | BER-INC      | 646        | 5,700      | u              | 1,000         | 5.7           | 1,344,003,000  | 4,123       | 2,061     |
| 4            | UNIVERSITY OF NEW MEXICO                 | BER-INC      | 175        | 30,000     | u              | 83            | 361.4         | 1,916,250,000  | 5,878       | 2,939     |
| 5            | NEW MEXICO UTILITIES INC                 | BER-INC      | 205        | 14,000     | u              | 4,386         | 3.2           | 1,047,550,000  | 3,213       | 1,607     |
| 6            | LOS LUNAS WATER SYSTEM                   | VAL-INC      | 184        | 11,155     | u              | 3,187         | 3.5           | 749,169,800    | 2,298       | 1,149     |
| 7            | BELÉN WATER SYSTEM                       | VAL-INC      | 226        | 9,780      | u              | 2,600         | 3.8           | 806,752,200    | 2,475       | 1,237     |
| 8            | BERNALILLO WATER SYSTEM                  | SAN-INC      | 154        | 7,000      | u              | 1,800         | 3.9           | 393,470,000    | 1,207       | 603       |
| 9            | SANDIA PEAK UTILITY                      | BER          | 126        | 6,000      | u              | 2,035         | 2.9           | 275,940,000    | 846         | 423       |
| 10           | RIO GRANDE UTILITIES                     | VAL          | 108        | 5,100      | u              | 1,423         | 3.6           | 201,042,000    | 617         | 308       |
| 11           | BOSQUE FARMS WATER SUPPLY SYSTEM         | VAL-INC      | 109        | 4,000      | u              | 1,197         | 3.3           | 159,140,000    | 488         | 244       |
| 12           | ISLETA PUEBLO                            | VAL-PUE      | 128        | 3,973      | s              | 1,104         | 3.6           | 185,618,560    | 569         | 285       |
| 13           | SANTA DOMINGO PUEBLO                     | SAN-PUE      | 128        | 2,992      | s              | 831           | 3.6           | 139,786,240    | 429         | 214       |
| 14           | SANDIA PUEBLO                            | BER-PUE      | 128        | 2,434      | s              | 685           | 3.6           | 113,716,480    | 349         | 174       |
| 15           | UNM VALENCIA CAMPUS WATER SYSTEM         | VAL          | 128        | 1,901      | s              | 322           | 5.9           | 88,814,720     | 272         | 136       |
| 16           | JEMEZ PUEBLO                             | SAN-PUE      | 128        | 1,750      | s              | 493           | 3.5           | 81,760,000     | 251         | 125       |
| 17           | MEADOW LAKE WATER SYSTEM                 | VAL          | 87         | 1,735      | s              | 535           | 3.2           | 55,094,925     | 169         | 169       |
| 18           | SAN FELIPE PUEBLO                        | SAN-PUE      | 128        | 1,499      | s              | 422           | 3.6           | 70,033,280     | 215         | 107       |
| 19           | TIERRA WEST ESTATES MHP                  | BER          | 126        | 1,400      | s              | 420           | 3.3           | 64,386,000     | 198         | 198       |
| 20           | JEMEZ SPRINGS DOMESTIC WUA               | SAN-INC      | 239        | 1,394      | s              | 362           | 3.9           | 121,605,590    | 373         | 187       |
| 21           | COCHITI PUEBLO                           | SAN-PUE      | 128        | 1,342      | s              | 378           | 3.6           | 62,698,240     | 192         | 96        |
| 22           | INDEPENDENT UTILITY COMPANY              | BER          | 45         | 1,260      | s              | 361           | 3.5           | 20,695,500     | 63          | 63        |
| 23           | CENTRAL NM MEDIUM CORRECTIONAL FACILITY  | VAL          | 39         | 1,240      | s              | 29            | 42.8          | 17,651,400     | 54          | 27        |
| 24           | MONTEREY WATER COMPANY INC               | VAL          | 81         | 1,050      | s              | 280           | 3.8           | 31,043,250     | 95          | 48        |
| 25           | CORONADO VILLAGE MOBILE HOME PARK        | BER          | 88         | 954        | r              | 318           | 3.0           | 30,642,480     | 94          | 94        |
| 26           | TRANQUILLO PINES WATER USERS COOP        | BER          | 51         | 770        | r              | 256           | 3.0           | 14,333,550     | 44          | 44        |
| 27           | CUBA WATER SYSTEM                        | SAN-INC      | 127        | 765        | r              | 617           | 1.2           | 35,461,575     | 109         | 54        |
| 28           | ALGODONES WUA                            | SAN-INC      | 72         | 675        | r              | 180           | 3.8           | 17,739,000     | 54          | 54        |
| 29           | ZIA PUEBLO                               | SAN-PUE      | 105        | 631        | r              | 178           | 3.5           | 24,183,075     | 74          | 37        |
| 30           | SANTA ANA PUEBLO                         | SAN-PUE      | 105        | 591        | r              | 166           | 3.6           | 22,650,075     | 69          | 35        |
| 31           | SOUTH HILLS WATER COMPANY                | BER          | 105        | 560        | r              | 160           | 3.5           | 21,462,000     | 66          | 66        |
| 32           | LA JARA WATER USERS ASSOCIATION          | SAN          | 44         | 536        | r              | 132           | 4.1           | 8,608,160      | 26          | 26        |
| 33           | REGINA MDWCA                             | SAN          | 44         | 510        | r              | 204           | 2.5           | 8,190,600      | 25          | 25        |
| 34           | PLACITAS WATER SYSTEM                    | SAN          | 148        | 500        | r              | 180           | 2.8           | 27,010,000     | 83          | 83        |
| 35           | PENA BLANCA WATER & SANITATION DISTRICT  | SAN          | 120        | 465        | r              | 150           | 3.1           | 20,367,000     | 62          | 62        |
| 36           | PLACITAS TRAILS WATER COOP               | SAN          | 105        | 455        | r              | 130           | 3.5           | 17,437,875     | 53          | 53        |
| 37           | COCHITI LAKE WATER SYSTEM                | SAN          | 124        | 450        | r              | 170           | 2.6           | 20,367,000     | 62          | 31        |
| 38           | CANYON MDWCA                             | SAN          | 129        | 420        | r              | 89            | 4.7           | 19,775,700     | 61          | 61        |
| 39           | RIVIERA DE SANDIA MOBILE HOME PARK       | BER          | 105        | 392        | r              | 105           | 3.7           | 15,023,400     | 46          | 46        |
| 40           | CENTRAL MINIMUM UNIT                     | VAL          | 39         | 380        | r              | 18            | 21.1          | 5,409,300      | 17          | 8         |
| 41           | LA MESA WATER CO-OP                      | SAN          | 136        | 380        | r              | 115           | 3.3           | 18,863,200     | 58          | 29        |
| 42           | SIERRA VISTA UTILIDADES                  | BER          | 104        | 360        | r              | 120           | 3.0           | 13,665,600     | 42          | 42        |
| 43           | BARCELONA MOBILE HOME PARK               | BER          | 120        | 350        | r              | 84            | 4.2           | 15,330,000     | 47          | 47        |
| 44           | VILLAGE OF TIJERAS                       | BER-INC      | 105        | 350        | r              | 100           | 3.5           | 13,413,750     | 41          | 41        |
| 45           | CYPRESS GARDENS WATER USERS ASSOCIATION  | VAL          | 141        | 336        | r              | 96            | 3.5           | 17,292,240     | 53          | 53        |
| 46           | NORTH RANCHOS DE PLACITAS W&SD           | SAN          | 185        | 325        | r              | 130           | 2.5           | 21,945,625     | 67          | 67        |
| 47           | HI MESA ESTATES WATER COOP               | VAL          | 63         | 320        | r              | 82            | 3.9           | 7,358,400      | 23          | 23        |
| 48           | GREEN VALLEY MOBILE HOME PARK            | BER          | 105        | 300        | r              | 87            | 3.4           | 11,497,500     | 35          | 35        |
| 49           | PONDEROSA MDWCA                          | SAN          | 84         | 300        | r              | 116           | 2.6           | 9,198,000      | 28          | 28        |
| 50           | SAN YSIDRO WATER SUPPLY SYSTEM           | SAN-INC      | 149        | 300        | r              | 98            | 3.1           | 16,315,500     | 50          | 25        |
| 51           | SIERRA LOS PINOS HOME OWNERS ASSOC       | SAN          | 105        | 300        | r              | 115           | 2.6           | 11,497,500     | 35          | 35        |
| 52           | FOREST PARK PROPERTY OWNERS COOP         | BER          | 87         | 220        | r              | 67            | 3.3           | 6,986,100      | 21          | 21        |
| 53           | RANCHOS DE PLACITAS SANITATION DISTRICT  | SAN          | 139        | 220        | r              | 84            | 2.6           | 11,161,700     | 34          | 34        |
| 54           | DESERT PALMS MOBILE HOME PARK            | BER          | 105        | 210        | r              | 61            | 3.4           | 8,048,250      | 25          | 25        |
| 55           | BAKER'S MOBILE HOME PARK                 | BER          | 121        | 200        | r              | 63            | 3.2           | 8,833,000      | 27          | 27        |
| 56           | HOMESTEAD MOBILE HOME COMMUNITY          | BER          | 97         | 195        | r              | 59            | 3.6           | 6,903,975      | 21          | 21        |
| 57           | OLD SANDIA PARK SERVICE CO-OP            | BER          | 105        | 180        | r              | 59            | 3.1           | 6,898,500      | 21          | 21        |
| 58           | SUNSET MOBILE HOME PARK (ALBQ)           | BER          | 105        | 180        | r              | 45            | 4.0           | 6,898,500      | 21          | 21        |
| 59           | SIERRA VISTA SOUTH WATER COOP            | BER          | 90         | 178        | r              | 51            | 3.5           | 5,847,300      | 18          | 18        |
| 60           | PUEBLO LOS CERROS                        | SAN          | 177        | 170        | r              | 100           | 1.7           | 10,982,850     | 34          | 34        |
| 61           | VENTURA ESTATES                          | BER          | 105        | 160        | r              | 43            | 3.7           | 6,132,000      | 19          | 19        |
| 62           | CHILILI WATER USERS ASSN                 | BER          | 70         | 150        | r              | 36            | 4.2           | 3,832,500      | 12          | 12        |
| 63           | GREEN ACRES MOBILE HOME VILLAGE          | BER          | 121        | 150        | r              | 82            | 1.8           | 6,624,750      | 20          | 20        |
| 64           | NORTH COURT MOBILE HOME PARK             | BER          | 105        | 150        | r              | 50            | 3.0           | 5,748,750      | 18          | 18        |
| 65           | BOSQUE GARDENS WATER COOP                | VAL          | 105        | 140        | r              | 43            | 3.3           | 5,365,500      | 16          | 16        |
| 66           | SILE MDWCA                               | SAN          | 170        | 130        | r              | 41            | 3.2           | 8,066,500      | 25          | 25        |
| 67           | TRAIL'S END MHP                          | VAL          | 105        | 120        | r              | 40            | 3.0           | 4,599,000      | 14          | 14        |
| 68           | MOUNTAIN VIEW MOBILE HOME PARK (TIJERAS) | BER          | 105        | 111        | r              | 54            | 2.1           | 4,254,075      | 13          | 13        |

|   |   |         |                |        |   |                |            |               |                |               |
|---|---|---------|----------------|--------|---|----------------|------------|---------------|----------------|---------------|
| 69  | PLACITAS WEST WATER CO-OP                 | SAN     | 148            | 111    | r | 39             | 2.8        | 5,996,220     | 18             | 18            |
| 70  | EL SHADDAI MOBILE HOME PARK               | VAL     | 153            | 109    | r | 31             | 3.5        | 6,087,105     | 19             | 19            |
| 71  | LOMA ESCONDIDA WATER ASSOCIATION          | VAL     | 105            | 109    | r | 31             | 3.5        | 4,177,425     | 13             | 13            |
| 72  | CEDAR CREEK COOPERATIVE                   | SAN     | 105            | 105    | r | 30             | 3.5        | 4,024,125     | 12             | 12            |
| 73  | OVERLOOK COOP INC                         | SAN     | 104            | 105    | r | 41             | 2.6        | 3,985,800     | 12             | 12            |
| 74  | HOFHEINS/MARCEL THOMAS ASSOC COOP INC     | SAN     | 105            | 100    | r | 37             | 2.7        | 3,832,500     | 12             | 12            |
| 75  | NAZARENE INDIAN BIBLE COLLEGE             | BER     | 105            | 100    | r | 25             | 4.0        | 3,832,500     | 12             | 12            |
| 76  | HAMILTON MOBILE HOME PARK                 | BER     | 105            | 90     | r | 28             | 3.2        | 3,449,250     | 11             | 11            |
| 77  | MOUNTAIN VIEW MOBILE HOME PARK            | BER     | 116            | 90     | r | 29             | 3.1        | 3,810,600     | 12             | 12            |
| 78  | LA MESA MOBILE HOME PARK                  | BER     | 107            | 85     | r | 30             | 2.8        | 3,319,675     | 10             | 10            |
| 79  | WESTERN HEIGHTS EAST MOBILE HOME PARK     | BER     | 180            | 85     | r | 37             | 2.3        | 5,584,500     | 17             | 17            |
| 80  | WESTERN TERRACE II                        | BER     | 105            | 85     | r | 24             | 3.5        | 3,257,625     | 10             | 10            |
| 81  | LARRY VIGIL WEST                          | BER     | 105            | 84     | r | 24             | 3.5        | 3,219,300     | 10             | 10            |
| 82  | TIJERAS LAND ESTATES WATER SYSTEM         | BER     | 146            | 84     | r | 21             | 4.0        | 4,476,360     | 14             | 14            |
| 83  | LOST HORIZON COOP ASSOCIATION             | BER     | 105            | 80     | r | 27             | 3.0        | 3,066,000     | 9              | 9             |
| 84  | VALLE GRANDE MOBILE HOME PARK             | BER     | 39             | 80     | r | 50             | 1.6        | 1,138,800     | 3              | 3             |
| 85  | BEARCAT HOMEOWNERS ASSOCIATION            | BER     | 75             | 75     | r | 30             | 2.5        | 2,053,125     | 6              | 6             |
| 86  | HIGHLAND MEADOWS                          | VAL     | 112            | 75     | r | 20             | 3.8        | 3,066,000     | 9              | 9             |
| 87  | SUNSET HILLS ESTATES HOA                  | BER     | 255            | 75     | r | 18             | 4.2        | 6,980,625     | 21             | 21            |
| 88  | SILVER SPRUCE ESTATES WATER COMPANY       | VAL     | 105            | 70     | r | 27             | 2.6        | 2,682,750     | 8              | 8             |
| 89  | MOUNTAINVIEW MHP                          | VAL     | 105            | 68     | r | 25             | 2.7        | 2,606,100     | 8              | 8             |
| 90  | ALBUQUERQUE NORTH - KOA                   | SAN     | 105            | 67     | r | 85             | 0.8        | 2,567,775     | 8              | 8             |
| 91  | TIERRA MONTE WATER USERS ASSOCIATION      | BER     | 137            | 63     | r | 27             | 2.3        | 3,150,315     | 10             | 10            |
| 92  | CHAMISA MOBILE HOME PARK                  | BER     | 105            | 60     | r | 29             | 2.1        | 2,299,500     | 7              | 7             |
| 93  | SAFARILAND MOBILE HOME PARK               | BER     | 105            | 60     | r | 19             | 3.2        | 2,299,500     | 7              | 7             |
| 94  | D AND J MOBILE HOME PARK                  | VAL     | 105            | 50     | r | 25             | 2.0        | 1,916,250     | 6              | 6             |
| 95  | TRINITY MOBILE HOME PARK                  | VAL     | 58             | 50     | r | 18             | 2.8        | 1,058,500     | 3              | 3             |
| 96  | WESTERN HEIGHTS WEST MOBILE HOME PARK     | BER     | 180            | 50     | r | 24             | 2.1        | 3,285,000     | 10             | 10            |
| 97  | SANTA SOCORRO TRAILER PARK                | VAL     | 105            | 48     | r | 17             | 2.8        | 1,839,600     | 6              | 6             |
| 98  | GREEN RIDGE WATER COOP                    | BER     | 105            | 45     | r | 40             | 1.1        | 1,724,625     | 5              | 5             |
| 99  | LISA PROPERTY WATER SYSTEM                | BER     | 105            | 45     | r | 15             | 3.0        | 1,724,625     | 5              | 5             |
| 100   | TOM'S MOBILE HOME PARK                    | BER     | 56             | 45     | r | 16             | 2.8        | 919,800       | 3              | 3             |
| 101   | ED ARAMBULA DBA BC MANAGEMENT             | SAN     | 105            | 38     | r | 10             | 3.8        | 1,456,350     | 4              | 4             |
| 102   | VISTA DE ORO DE PLACITAS WATER USERS COOP | SAN     | 103            | 36     | r | 16             | 2.3        | 1,353,420     | 4              | 4             |
| 103   | JC MOBILE HOME PARK                       | VAL     | 130            | 34     | r | 14             | 2.4        | 1,613,300     | 5              | 5             |
| 104   | JUAN ROAD WATER SYSTEM                    | BER     | 105            | 34     | r | 12             | 2.8        | 1,303,050     | 4              | 4             |
| 105   | COCHITI ELEMENTARY SCHOOL                 | SAN     | 105            | 250    | r | 10             | 25.0       | 9,581,250     | 29             | 29            |
| 106   | JEMEZ VALLEY SCHOOLS (JVSD)               | SAN     | 105            | 250    | r | 10             | 25.0       | 9,581,250     | 29             | 29            |
| 107   | LA PUERTA HOME OWNER'S ASSOCIATION        | SAN     | 256            | 30     | r | 11             | 2.7        | 2,803,200     | 9              | 9             |
| 108   | VISTA BONITA WATER COOP                   | BER     | 105            | 30     | r | 12             | 2.5        | 1,149,750     | 4              | 4             |
| 109   | OAKLAND HEIGHTS HOMEOWNERS ASSOCIATION    | BER     | 105            | 29     | r | 10             | 2.9        | 1,111,425     | 3              | 3             |
| 110   | FOX HILLS WATER USERS ASSOC               | BER     | 76             | 25     | r | 29             | 0.9        | 693,500       | 2              | 2             |
| 111   | CORRALES VILLAGE                          | SAN     | 89             | 50     | s | 15             | 3.4        | 1,624,250     | 5              | 5             |
| <b>Sub Total - Public Systems (Municipal)</b> |   |         | <b>605,998</b> |        |   | <b>185,853</b> | <b>3.3</b> |               | <b>140,064</b> | <b>71,128</b> |
| 112   | DOMESTIC WELLS                            | VAL     | 100            | 33,178 | r | 11,601         | 2.86       | 1,210,997,000 | 3,715          | 3,715         |
| 113   | DOMESTIC WELLS                            | BER     | 100            | 48,737 | r | 17,161         | 2.84       | 1,778,900,500 | 5,457          | 5,457         |
| 114   | DOMESTIC WELLS-CORRALES SELF SUP HOMES    | SAN-BER | 150            | 7,284  | s | 2,565          | 2.84       | 398,799,000   | 1,223          | 1,223         |
| 115   | DOMESTIC WELLS                            | SAN     | 80             | 17,319 | r | 6,098          | 2.84       | 505,714,800   | 1,551          | 1,551         |
| <b>Sub Total - Domestic Wells (Municipal)</b> |   |         | <b>106,518</b> |        |   | <b>37,425</b>  |            |               | <b>11,946</b>  | <b>11,946</b> |
| <b>Sub Total - Municipal</b>                  |   |         | <b>712,516</b> |        |   |                |            |               | <b>152,010</b> | <b>83,075</b> |

| <b>B. Irrigation</b>          |                        |              |               |         |  |  |             |  |  |                |
|-------------------------------|------------------------|--------------|---------------|---------|--|--|-------------|--|--|----------------|
| #                             | SYSTEM / DIVISION NAME | Jurisdiction | basic data    |         |  |  | consumption |  |  |                |
|                               |                        |              | Acreage       | CU/acre |  |  |             |  |  | acre-feet      |
| 116                           | IRRIGATION-MRGCD       | SAN          | 6,733         | 2.20    |  |  |             |  |  | 14,813         |
| 117                           | IRRIGATION-MRGCD       | BER          | 12,870        | 2.20    |  |  |             |  |  | 28,314         |
| 118                           | IRRIGATION-MRGCD       | VAL          | 30,938        | 2.20    |  |  |             |  |  | 68,064         |
| 119                           | IRRIGATION-ACEQUIAS    | SAN          | 4,639         | 1.13    |  |  |             |  |  | 5,242          |
| <b>Sub Total - Irrigation</b> |                        |              | <b>55,180</b> |         |  |  |             |  |  | <b>116,432</b> |

| <b>C. Riparian (includes bosque and canal riparian)</b> |                        |              |                              |  |         |  |             |  |  |               |
|---|------------------------|--------------|------------------------------|--|---------|--|-------------|--|--|---------------|
| #   | SYSTEM / DIVISION NAME | Jurisdiction | basic data                   |  |         |  | consumption |  |  |               |
|   |                        |              | Total 3 County Planning Area | % in Riparian Acreage in each Jurisdiction | CU/acre |  |             |  |  | acre-feet     |
| 120   | RIPARIAN               | VAL          |                              | 38%  | 3.9     |  |             |  |  | 33,672        |
| 121   | RIPARIAN               | BER          |                              | 43%  | 3.9     |  |             |  |  | 38,902        |
| 122   | RIPARIAN               | SAN          |                              | 19%  | 3.9     |  |             |  |  | 17,126        |
| <b>Sub-Total - Riparian</b>                             |                        |              | <b>23,000</b>                |  |         |  |             |  |  | <b>89,700</b> |

| <b>D. Other</b> |                        |              |            |                |      |     |                     |          |            |             |    |
|-----------------|------------------------|--------------|------------|----------------|------|-----|---------------------|----------|------------|-------------|----|
| #               | SYSTEM / DIVISION NAME | Jurisdiction | basic data |                |      |     | withdrawals         |          |            | consumption |    |
|                 |                        |              | cars / day | people per car | gpcd | gpd | # days of operation | gal/year | acre-feet  | acre-feet   |    |
| 123             | SANDIA CASINO          | BER-PUE      | 2,500      | 2              | 25   |     |                     | 355      | 44,375,000 | 136         | 68 |
| 124             | ISLETA CASINO          | VAL-PUE      | 1,500      | 2              | 25   |     |                     | 355      | 26,625,000 | 82          | 41 |

|                          |                                   |         |       |   |    |           |     |             |       |              |
|--------------------------|-----------------------------------|---------|-------|---|----|-----------|-----|-------------|-------|--------------|
| 125                      | SAN FELIPE CASINO                 | SAN-PUE | 750   | 2 | 25 |           | 355 | 13,312,500  | 41    | 20           |
| 126                      | SANTA ANA CASINO                  | SAN-PUE | 1,000 | 2 | 25 |           | 355 | 17,750,000  | 54    | 27           |
| 127                      | TAMAYA HOTEL                      | SAN-PUE |       |   |    |           |     | 15,330,000  | 47    | 24           |
| 128                      | INTEL                             | SAN     |       |   |    | 2,900,000 | 220 | 638,000,000 | 1,957 | 979          |
| 129                      | SANTA ANA GOLF COURSE (2-18 hole) | SAN-PUE |       |   |    | 1,800,000 | 265 | 477,000,000 | 1,463 | 1,463        |
| 130                      | ISLETA GOLF COURSE (1-18 hole)    | VAL-PUE |       |   |    | 900,000   | 265 | 238,500,000 | 732   | 732          |
| 131                      | COCHITI GOLF COURSE (1-18 hole)   | SAN-PUE |       |   |    | 900,000   | 265 | 238,500,000 | 732   | 732          |
| <b>Sub-Total - Other</b> |                                   |         |       |   |    |           |     |             |       | <b>4,085</b> |

**Total - All Consumption**

**293,292**

## MRGWA Withdrawals and Consumption by Type and Jurisdiction

| #  | SYSTEM / DIVISION NAME                  | Jurisdiction | consumption (af) |
|--|---|--------------|------------------|
| <b>Valencia Pueblo</b>                   |   |              |                  |
| 12                                       | ISLETA PUEBLO                           | VAL-PUE      | 285              |
| 124                                      | ISLETA CASINO                           | VAL-PUE      | 41               |
| 130                                      | ISLETA GOLF COURSE (1-18 hole)          | VAL-PUE      | 732              |
| <b>Sub Total Valencia Pueblo</b>         |   |              | <b>1,057</b>     |
| <b>Valencia Incorporated</b>             |   |              |                  |
| 6  | LOS LUNAS WATER SYSTEM                  | VAL-INC      | 1,149            |
| 7  | BELEN WATER SYSTEM                      | VAL-INC      | 1,237            |
| 11                                       | BOSQUE FARMS WATER SUPPLY SYSTEM        | VAL-INC      | 244              |
| <b>Sub Total Valencia Incorporated</b>   |   |              | <b>2,630</b>     |
| <b>Valencia Unincorporated</b>           |   |              |                  |
| 10                                       | RIO GRANDE UTILITIES                    | VAL          | 308              |
| 15                                       | UNM VALENCIA CAMPUS WATER SYSTEM        | VAL          | 136              |
| 17                                       | MEADOW LAKE WATER SYSTEM                | VAL          | 169              |
| 23                                       | CENTRAL NM MEDIUM CORRECTIONAL FACILITY | VAL          | 27               |
| 24                                       | MONTEREY WATER COMPANY INC              | VAL          | 48               |
| 40                                       | CENTRAL MINIMUM UNIT                    | VAL          | 8                |
| 45                                       | CYPRESS GARDENS WATER USERS ASSOCIATION | VAL          | 53               |
| 47                                       | HI MESA ESTATES WATER COOP              | VAL          | 23               |
| 65                                       | BOSQUE GARDENS WATER COOP               | VAL          | 16               |
| 67                                       | TRAIL'S END MHP                         | VAL          | 14               |
| 70                                       | EL SHADDAI MOBILE HOME PARK             | VAL          | 19               |
| 71                                       | LOMA ESCONDIDA WATER ASSOCIATION        | VAL          | 13               |
| 86                                       | HIGHLAND MEADOWS                        | VAL          | 9                |
| 88                                       | SILVER SPRUCE ESTATES WATER COMPANY     | VAL          | 8                |
| 89                                       | MOUNTAINVIEW MHP                        | VAL          | 8                |
| 94                                       | D AND J MOBILE HOME PARK                | VAL          | 6                |
| 95                                       | TRINITY MOBILE HOME PARK                | VAL          | 3                |
| 97                                       | SANTA SOCORRO TRAILER PARK              | VAL          | 6                |
| 103                                      | JC MOBILE HOME PARK                     | VAL          | 5                |
| 112                                      | DOMESTIC WELLS                          | VAL          | 3,715            |
| 118                                      | IRRIGATION-MRGCD                        | VAL          | 68,064           |
| 120                                      | RIPARIAN                                | VAL          | 33,672           |
| <b>Sub Total Valencia Unincorporated</b> |   |              | <b>106,330</b>   |
| <b>Sandoval Pueblo</b>                   |   |              |                  |
| 13                                       | SANTA DOMINGO PUEBLO                    | SAN-PUE      | 214              |
| 16                                       | JEMEZ PUEBLO                            | SAN-PUE      | 125              |
| 18                                       | SAN FELIPE PUEBLO                       | SAN-PUE      | 107              |
| 21                                       | COCHITI PUEBLO                          | SAN-PUE      | 96               |
| 29                                       | ZIA PUEBLO                              | SAN-PUE      | 37               |
| 30                                       | SANTA ANA PUEBLO                        | SAN-PUE      | 35               |
| 125                                      | SAN FELIPE CASINO                       | SAN-PUE      | 20               |
| 126                                      | SANTA ANA CASINO                        | SAN-PUE      | 27               |
| 127                                      | TAMAYA HOTEL                            | SAN-PUE      | 24               |
| 129                                      | SANTA ANA GOLF COURSE (2-18 hole)       | SAN-PUE      | 1,463            |
| 131                                      | COCHITI GOLF COURSE (1-18 hole)         | SAN-PUE      | 732              |
| <b>Sub Total Sandoval Pueblo</b>         |   |              | <b>2,881</b>     |
| <b>Sandoval Incorporated</b>             |   |              |                  |
| 2  | CITY OF RIO RANCHO                      | SAN-INC      | 5,674            |
| 8  | BERNALILLO WATER SYSTEM                 | SAN-INC      | 603              |

|     |   |         |               |
|-----|---|---------|---------------|
| 20  | JEMEZ SPRINGS DOMESTIC WUA                | SAN-INC | 187           |
| 27  | CUBA WATER SYSTEM                         | SAN-INC | 54            |
| 28  | ALGODONES WUA                             | SAN-INC | 54            |
| 111 | CORRALES VILLAGE                          | SAN-INC | 5             |
| 114 | DOMESTIC WELLS-CORRALES SELF SUP HOMES    | SAN-INC | 1,223         |
| 50  | SAN YSIDRO WATER SUPPLY SYSTEM            | SAN-INC | 25            |
|     | <b>Sub Total Sandoval Incorporated</b>    |         | <b>7,826</b>  |
|     | <b>Sandoval Unincorporated</b>            |         |               |
| 32  | LA JARA WATER USERS ASSOCIATION           | SAN     | 26            |
| 33  | REGINA MDWCA                              | SAN     | 25            |
| 34  | PLACITAS WATER SYSTEM                     | SAN     | 83            |
| 35  | PENA BLANCA WATER & SANITATION DISTRICT   | SAN     | 62            |
| 36  | PLACITAS TRAILS WATER COOP                | SAN     | 53            |
| 37  | COCHITI LAKE WATER SYSTEM                 | SAN     | 31            |
| 38  | CANYON MDWCA                              | SAN     | 61            |
| 41  | LA MESA WATER CO-OP                       | SAN     | 29            |
| 46  | NORTH RANCHOS DE PLACITAS W&SD            | SAN     | 67            |
| 49  | PONDEROSA MDWCA                           | SAN     | 28            |
| 51  | SIERRA LOS PINOS HOME OWNERS ASSOC        | SAN     | 35            |
| 53  | RANCHOS DE PLACITAS SANITATION DISTRICT   | SAN     | 34            |
| 60  | PUEBLO LOS CERROS                         | SAN     | 34            |
| 66  | SILE MDWCA                                | SAN     | 25            |
| 69  | PLACITAS WEST WATER CO-OP                 | SAN     | 18            |
| 72  | CEDAR CREEK COOPERATIVE                   | SAN     | 12            |
| 73  | OVERLOOK COOP INC                         | SAN     | 12            |
| 74  | HOFHEINS/MARCEL THOMAS ASSOC COOP INC     | SAN     | 12            |
| 90  | ALBUQUERQUE NORTH - KOA                   | SAN     | 8             |
| 101 | ED ARAMBULA DBA BC MANAGEMENT             | SAN     | 4             |
| 102 | VISTA DE ORO DE PLACITAS WATER USERS COOP | SAN     | 4             |
| 105 | COCHITI ELEMENTARY SCHOOL                 | SAN     | 29            |
| 106 | JEMEZ VALLEY SCHOOLS (JVSD)               | SAN     | 29            |
| 107 | LA PUERTA HOME OWNER'S ASSOCIATION        | SAN     | 9             |
| 115 | DOMESTIC WELLS                            | SAN     | 1,551         |
| 116 | IRRIGATION-MRGCD                          | SAN     | 14,813        |
| 119 | IRRIGATION-ACEQUIAS                       | SAN     | 5,242         |
| 122 | RIPARIAN                                  | SAN     | 17,126        |
| 128 | INTEL                                     | SAN     | 979           |
|     | <b>Sub Total Sandoval Unincorporated</b>  |         | <b>40,444</b> |
|     | <b>Bernalillo Pueblo</b>                  |         |               |
| 14  | SANDIA PUEBLO                             | BER-PUE | 174           |
| 123 | SANDIA CASINO                             | BER-PUE | 68            |
|     | <b>Sub Total Bernalillo Pueblo</b>        |         | <b>242</b>    |
|     | <b>Bernalillo Incorporated</b>            |         |               |
| 1   | ALBUQUERQUE WATER SYSTEM                  | BER-INC | 51,069        |
| 3   | KIRTLAND AIR FORCE BASE                   | BER-INC | 2,061         |
| 4   | UNIVERSITY OF NEW MEXICO                  | BER-INC | 2,939         |
| 5   | NEW MEXICO UTILITIES INC                  | BER-INC | 1,607         |
| 44  | VILLAGE OF TIJERAS                        | BER-INC | 41            |
|     | <b>Sub Total Bernalillo Incorporated</b>  |         | <b>57,717</b> |
|     | <b>Bernalillo Unincorporated</b>          |         |               |
| 9   | SANDIA PEAK UTILITY                       | BER     | 423           |
| 19  | TIERRA WEST ESTATES MHP                   | BER     | 198           |
| 22  | INDEPENDENT UTILITY COMPANY               | BER     | 63            |

|  |  |     |               |
|--|--|-----|---------------|
| 25   | CORONADO VILLAGE MOBILE HOME PARK        | BER | 94            |
| 26   | TRANQUILLO PINES WATER USERS COOP        | BER | 44            |
| 31   | SOUTH HILLS WATER COMPANY                | BER | 66            |
| 39   | RIVIERA DE SANDIA MOBILE HOME PARK       | BER | 46            |
| 42   | SIERRA VISTA UTILIDADES                  | BER | 42            |
| 43   | BARCELONA MOBILE HOME PARK               | BER | 47            |
| 48   | GREEN VALLEY MOBILE HOME PARK            | BER | 35            |
| 52   | FOREST PARK PROPERTY OWNERS COOP         | BER | 21            |
| 54   | DESERT PALMS MOBILE HOME PARK            | BER | 25            |
| 55   | BAKER'S MOBILE HOME PARK                 | BER | 27            |
| 56   | HOMESTEAD MOBILE HOME COMMUNITY          | BER | 21            |
| 57   | OLD SANDIA PARK SERVICE CO-OP            | BER | 21            |
| 58   | SUNSET MOBILE HOME PARK (ALBQ)           | BER | 21            |
| 59   | SIERRA VISTA SOUTH WATER COOP            | BER | 18            |
| 61   | VENTURA ESTATES                          | BER | 19            |
| 62   | CHILILI WATER USERS ASSN                 | BER | 12            |
| 63   | GREEN ACRES MOBILE HOME VILLAGE          | BER | 20            |
| 64   | NORTH COURT MOBILE HOME PARK             | BER | 18            |
| 68   | MOUNTAIN VIEW MOBILE HOME PARK (TIJERAS) | BER | 13            |
| 75   | NAZARENE INDIAN BIBLE COLLEGE            | BER | 12            |
| 76   | HAMILTON MOBILE HOME PARK                | BER | 11            |
| 77   | MOUNTAIN VIEW MOBILE HOME PARK           | BER | 12            |
| 78   | LA MESA MOBILE HOME PARK                 | BER | 10            |
| 79   | WESTERN HEIGHTS EAST MOBILE HOME PARK    | BER | 17            |
| 80   | WESTERN TERRACE II                       | BER | 10            |
| 81   | LARRY VIGIL WEST                         | BER | 10            |
| 82   | TIJERAS LAND ESTATES WATER SYSTEM        | BER | 14            |
| 83   | LOST HORIZON COOP ASSOCIATION            | BER | 9             |
| 84   | VALLE GRANDE MOBILE HOME PARK            | BER | 3             |
| 85   | BEARCAT HOMEOWNERS ASSOCIATION           | BER | 6             |
| 87   | SUNSET HILLS ESTATES HOA                 | BER | 21            |
| 91   | TIERRA MONTE WATER USERS ASSOCIATION     | BER | 10            |
| 92   | CHAMISA MOBILE HOME PARK                 | BER | 7             |
| 93   | SAFARILAND MOBILE HOME PARK              | BER | 7             |
| 96   | WESTERN HEIGHTS WEST MOBILE HOME PARK    | BER | 10            |
| 98   | GREEN RIDGE WATER COOP                   | BER | 5             |
| 99   | LISA PROPERTY WATER SYSTEM               | BER | 5             |
| 100  | TOM'S MOBILE HOME PARK                   | BER | 3             |
| 104  | JUAN ROAD WATER SYSTEM                   | BER | 4             |
| 108  | VISTA BONITA WATER COOP                  | BER | 4             |
| 109  | OAKLAND HEIGHTS HOMEOWNERS ASSOCIATION   | BER | 3             |
| 110  | FOX HILLS WATER USERS ASSOC              | BER | 2             |
| 113  | DOMESTIC WELLS                           | BER | 5,457         |
| 117  | IRRIGATION-MRGCD                         | BER | 28,314        |
| 121  | RIPARIAN                                 | BER | 38,902        |
| <b>Sub Total Bernalillo Unincorporated</b> |  |     | <b>74,163</b> |

**ALL TOTAL**

**293,291**



!!!! DRAFT !!!!

Consumptive Use by Jurisdiction

30-Jul-03

| Jurisdiction                     | Population    | CU -afpy       |
|----------------------------------|---------------|----------------|
| VALENCIA PUEBLO                  | 3,973         | 1,058          |
| LOS LUNAS WATER SYSTEM           | 11,155        | 1,149          |
| BELEN WATER SYSTEM               | 9,780         | 1,237          |
| BOSQUE FARMS WATER SUPPLY SYSTEM | 4,000         | 244            |
| VALENCIA UNINCORPORATED          | 46,113        | 4,595          |
| VALENCIA MRGCD IRRIGATION        |               | 68,064         |
| VALENCIA RIPARIAN                |               | 33,672         |
| <b>TOTAL VALENCIA</b>            | <b>75,021</b> | <b>110,019</b> |

|  |                |               |
|--|----------------|---------------|
| SANDOVAL PUEBLO                        | 8,805          | 2,881         |
| CITY OF RIO RANCHO                     | 56,000         | 5,674         |
| BERNALILLO WATER SYSTEM                | 7,000          | 603           |
| JEMEZ SPRINGS DOMESTIC WUA             | 1,394          | 187           |
| CUBA WATER SYSTEM                      | 675            | 54            |
| ALGODONES WUA                          | 765            | 54            |
| CORRALES VILLAGE                       | 50             | 5             |
| DOMESTIC WELLS-CORRALES SELF SUP HOMES | 7,284          | 1,223         |
| SAN YSIDRO WATER SUPPLY SYSTEM         | 300            | 25            |
| SANDOVAL UNINCORPORATED                | 23,072         | 2,284         |
| SANDOVAL IRRIGATION-MRGCD              |                | 14,813        |
| IRRIGATION-ACEQUIAS                    |                | 5,242         |
| RIPARIAN                               |                | 17,126        |
| INTEL                                  |                | 979           |
| <b>TOTAL SANDOVAL</b>                  | <b>105,345</b> | <b>51,150</b> |

|                             |                |                |
|-----------------------------|----------------|----------------|
| BERNALILLO PUEBLO           | 2,434          | 242            |
| ALBUQUERQUE WATER SYSTEM    | 445,000        | 51,069         |
| KIRTLAND AIR FORCE BASE     | 5,700          | 2,061          |
| UNIVERSITY OF NEW MEXICO    |                | 2,939          |
| NEW MEXICO UTILITIES INC    | 14,000         | 1,607          |
| VILLAGE OF TIJERAS          | 350            | 41             |
| BERNALILLO UNINCORPORATED   | 64,666         | 6,947          |
| BERNALILLO IRRIGATION-MRGCD |                | 28,314         |
| BERNALILLO RIPARIAN         |                | 38,902         |
| <b>TOTAL BERNALILLO</b>     | <b>532,150</b> | <b>132,123</b> |
| <b>TOTAL REGION</b>         | <b>712,516</b> | <b>293,292</b> |

!!!! DRAFT !!!!

326000

|            | Population | Avg CU  | Avg CU/Person | Avg GPD/person |
|------------|------------|---------|---------------|----------------|
| VALENCIA   | 75,021     | 110,019 | 1.47          | 1,310          |
| SANDOVAL   | 105,345    | 51,150  | 0.49          | 434            |
| BERNALILLO | 532,150    | 132,123 | 0.25          | 222            |