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EXHIBIT 4027 - 7 pages

Mosquito Meadow Trail Elevation 9,000 ft., Kern River Basin

KERN RIVER

4027

1997

KAKEFIELD

1997
HYDROGRAPHIC ANNUAL REPORT

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KERN DELTA WATER DISTRICT

KERN DELTA WATER DISTRICT
Monthly Summary of Kern River Entitlements, Diversions,
Deliveries and Storage ... All Canals

Quantities in acre-feet

Year: 1997

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|--------------------------------|-----------------|--------|--------|--------|---------|--------|--------|--------|---------|----------|----------|----------|-----------|
| Kern River Entitlement | + 54,931 | 28,207 | 18,323 | 29,165 | 35,094 | 29,372 | 25,318 | 19,111 | 21,616 | 19,242 | 20,446 | 23,997 | 324,824 |
| Release | + or - (45,944) | 0 | (430) | (636) | (1,031) | (321) | (737) | (561) | (7,938) | (12,943) | (17,679) | (18,443) | (106,663) |
| Entitlement + or - Releases | = 8,987 | 28,207 | 17,893 | 28,529 | 34,063 | 29,051 | 24,581 | 18,550 | 13,678 | 6,299 | 2,769 | 5,554 | 218,161 |
| Into Isabella Storage | - 18 | 24,094 | 712 | 7,923 | 8,725 | 634 | 1,007 | 2,411 | 2,348 | 94 | 48 | 38 | 48,052 |
| From Isabella Storage | + 0 | 0 | 9,239 | 221 | 2,804 | 8,123 | 10,478 | 11,726 | 1,999 | 468 | 0 | 0 | 45,058 |
| From City of Bakersfield | + 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| From Buena Vista WSD | + 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| To City of Bakersfield | - 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage Transfer/Exch. | + or - 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carrier Canal Loss | - 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| To North Kern WSD | - 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 180 | 194 | 374 |
| Via Cawelo Water District | - 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other | + or - 0 | 12,300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | (232) | 0 | 0 | 12,068 |
| Diversified at Heads of Canals | = 8,989 | 16,413 | 26,420 | 20,827 | 28,142 | 36,540 | 34,052 | 27,865 | 13,329 | 6,441 | 2,541 | 5,322 | 226,861 |
| From Cawelo Water District | + 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| From North Kern WSD | + 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Utility Supply | = 8,989 | 16,413 | 26,420 | 20,827 | 28,142 | 36,540 | 34,052 | 27,865 | 13,329 | 6,441 | 2,541 | 5,322 | 226,861 |
| Utility Deliveries | 3,100 | 8,177 | 19,108 | 14,507 | 20,564 | 27,157 | 26,124 | 19,356 | 6,896 | 2,679 | 1,146 | 2,703 | 151,517 |
| Contract Deliveries | 11 | 317 | 703 | 640 | 741 | 902 | 892 | 774 | 837 | 472 | 24 | 15 | 6,328 |
| Total Irrigation Deliveries | - 3,111 | 8,494 | 19,811 | 15,147 | 21,305 | 28,059 | 27,016 | 20,130 | 7,733 | 3,151 | 1,170 | 2,718 | 157,845 |
| Canal Conveyance Losses | = 5,858 | 7,919 | 6,609 | 5,680 | 6,837 | 8,481 | 7,036 | 7,735 | 5,596 | 3,290 | 1,371 | 2,604 | 69,016 |
| Delivery Percentage | 35% | 52% | 75% | 73% | 76% | 77% | 79% | 72% | 58% | 49% | 46% | 51% | 70% |

| | | | | | | | | | | | | | |
|--------------------------------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| Reservoir Evaporation Loss | 18 | 98 | 259 | 336 | 596 | 568 | 476 | 273 | 156 | 126 | 48 | 38 | 2,994 |
| End of Month Reservoir Storage | 7,000 | 30,996 | 22,210 | 29,574 | 34,899 | 26,842 | 16,895 | 7,307 | 7,500 | 7,000 | 7,000 | 7,000 | 7,000 |

NORTH KERN WATER STORAGE DISTRICT

NORTH KERN WATER STORAGE DISTRICT

Quantities in acre-feet

Year: 1997

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|--|-----------------|---------------|---------------|---------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|----------------|
| NKWSO River Entitlement | 21,293 | 27,895 | 1,398 | 37,318 | 46,677 | 56,673 | 8,614 | 670 | 2,306 | 0 | 1,291 | 4,095 | 188,170 |
| Release | + 11,567 | 0 | 67 | 104 | 123 | 0 | 198 | 379 | 7,418 | 12,077 | 16,967 | 18,037 | 66,837 |
| ENTITLEMENT + OR - RELEASE | = 32,800 | 27,895 | 1,465 | 37,422 | 46,800 | 36,673 | 8,812 | 1,049 | 9,724 | 12,077 | 18,158 | 22,132 | 255,007 |
| From KRC & Irr. Company | 0 | 0 | 0 | 1,413 | 3,394 | 1,402 | 247 | 0 | 0 | 0 | 0 | 0 | 6,456 |
| From City of Bakerfield | 256 | 329 | 1,908 | 2,285 | 2,521 | 12,761 | 12,319 | 11,849 | 1,596 | 1,174 | 254 | 127 | 47,379 |
| From Isabella Reservoir Storage | 12,091 | 13,025 | 33,654 | 0 | 4,776 | 1,726 | 19,339 | 19,454 | 2,520 | 538 | 8,871 | 399 | 116,393 |
| From Kern-Tulare WD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 722 | 0 | 0 | 0 | 722 |
| From Rag Gulch WD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 107 | 0 | 0 | 0 | 107 |
| From Buena Vista WSD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,444 | 2,783 | 0 | 0 | 5,227 |
| From Hacienda WD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,524 | 2,524 | 0 | 0 | 2,524 |
| To La Hacienda, Inc. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 16 |
| To City of Bakerfield | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| To Improvement District #4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Into Isabella Reservoir Storage | 30,813 | 22,294 | 0 | 18,821 | 28,864 | 21,178 | 9,463 | 9,273 | 1,912 | 7,769 | 375 | 3,882 | 3,882 |
| Other | 0 | 2,761 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 173 | 0 | 2,692 | 153,454 |
| TOTAL DIVERTED FROM RIVER | = 14,334 | 21,716 | 37,027 | 22,299 | 28,627 | 31,394 | 31,254 | 23,079 | 15,201 | 11,500 | 26,308 | 16,074 | 279,403 |
| Loss to Seventh Standard Line | 2,349 | 1,752 | 1,899 | 168 | 170 | 175 | 178 | 150 | 123 | 136 | 258 | 152 | 7,508 |
| Oilfield Discharge | 106 | 147 | 164 | 149 | 142 | 153 | 149 | 156 | 119 | 149 | 165 | 151 | 1,750 |
| City of Bakerfield (Non-Kern River) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NKWSO Deep Well Production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Poso Creek Natural Flow | 19,642 | 8,275 | 2,220 | 153 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Filant-Kern Inflow to Poso Creek | 0 | 0 | 0 | 1,432 | 0 | 591 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rosedala Ranch Improvement District | 256 | 329 | 1,908 | 2,285 | 2,521 | 2,761 | 2,319 | 1,849 | 1,596 | 1,174 | 254 | 145 | 30,290 |
| Semitropic WSD via Poso Creek | 9,775 | 2,755 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,168 |
| Shafter-Wasco Irrigation District Inflow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 470 | 0 | 0 | 17,379 |
| Cawelo Water District (Non-Kern River) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 12,748 |
| CVC Conduit "A" Inflow | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 480 |
| TOTAL DISTRICT SUPPLY | = 21,702 | 25,302 | 35,386 | 21,582 | 26,078 | 29,192 | 28,906 | 21,236 | 13,601 | 10,809 | 26,561 | 16,101 | 276,456 |
| Class 1 Irrigation Deliveries | 5 | 1,176 | 6,865 | 8,683 | 12,744 | 14,636 | 14,374 | 10,270 | 6,383 | 3,095 | 606 | 20 | 78,857 |
| Class 2 Irrigation Deliveries | 0 | 696 | 4,719 | 6,377 | 8,957 | 9,396 | 10,476 | 7,545 | 4,709 | 3,219 | 706 | 0 | 56,800 |
| Semitropic WSD Irrigation Deliveries | 0 | 0 | 363 | 425 | 825 | 716 | 598 | 224 | 242 | 66 | 0 | 0 | 3,459 |
| Shafter-Wasco ID Irrigation Deliveries | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TOTAL IRRIGATION USE | = 5 | 1,872 | 11,947 | 15,485 | 22,526 | 24,748 | 25,448 | 18,039 | 11,334 | 6,380 | 1,312 | 20 | 139,116 |
| District Spreading Ponds (Kern) | 10,335 | 15,523 | 18,146 | 2,317 | 238 | 99 | 10 | 0 | 0 | 1,517 | 22,887 | 15,195 | 86,267 |
| District Spreading Ponds (Other) | 1,809 | 1,392 | 71 | 571 | 0 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 3,893 |
| Poso Creek Spreading (Kern) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 482 | 258 | 740 |
| Poso Creek Spreading (Other) | 8,058 | 4,128 | 1,931 | 841 | 0 | 174 | 0 | 0 | 0 | 0 | 0 | 155 | 15,287 |
| TOTAL DISTRICT SPREADING | = 20,202 | 21,043 | 20,148 | 3,729 | 238 | 323 | 10 | 0 | 0 | 1,517 | 23,369 | 15,608 | 106,187 |
| TOTAL DISTRICT USE | = 20,207 | 22,915 | 32,095 | 19,214 | 22,764 | 25,071 | 25,458 | 18,039 | 11,334 | 7,897 | 24,681 | 15,628 | 245,303 |
| Total NKWSO Canal Loss | 1,495 | 2,387 | 3,291 | 2,368 | 3,314 | 4,121 | 3,448 | 3,197 | 2,267 | 2,912 | 1,880 | 473 | 31,153 |
| Into Reservoir Storage | 30,813 | 22,294 | 0 | 18,821 | 28,864 | 21,178 | 9,463 | 9,273 | 1,912 | 7,769 | 375 | 2,692 | 153,454 |
| Reservoir Evaporation Loss | 254 | 474 | 749 | 897 | 1,679 | 2,092 | 2,535 | 2,618 | 1,917 | 1,584 | 658 | 494 | 15,951 |
| From Reservoir Storage | 12,091 | 13,025 | 33,654 | 0 | 4,776 | 1,726 | 19,339 | 19,454 | 2,520 | 538 | 8,871 | 399 | 116,393 |
| END OF MONTH RESERVOIR STORAGE | 85,537 | 94,332 | 59,929 | 77,853 | 100,262 | 117,622 | 105,211 | 92,412 | 89,867 | 95,534 | 86,380 | 88,179 | |