



















| Resul | ts | | | |
|----------------------------------------------|------------|------------|------------|--|
| | Scenario 1 | Scenario 2 | Scenario 3 | |
| Average Annual Increase (acre-feet) | 6,000 | 6,000 | 9,000 | |
| Maximum Annual Increase (acre-feet) | 56,000 | 65,000 | 113,000 | |
| Delivery of RWA credits | 3-8% | 3-8 % | 5-12% | |
| | | 685 | | |



| Friant-Kern Canal | | | HEC-RAS Current | Designed |
|-----------------------|-----------------------|------------------|---------------------------|----------------|
| From | То | Mileposts | Maximum Capacity (cfs) | Capacity (cfs) |
| Friant Dam | Kings River Check | 0 to 28.52 | 5,300 | 5,300 |
| Kings River Check | Kaweah River Check | 28.52 to 71.29 | 4,600-3,800 | 5,000 |
| Kaweah River Check | Tule River Check | 71.37 to 95.67 | 4,300-3,600 | 4,500 |
| Tule River Check | White River Check | 95.80 to 112.90 | 3,600 - 2,900 | 4,000 |
| White River Check | Poso Creek Check | 112.96 to 130.05 | 3,000-2,300 | 3,500 |
| Poso Creek Check | Kern River Check | 130.12 to 151.60 | 2,200-1,900 | 2,500 |

| Madera Canal | | | HEC-RAS - Current | 1985 Maximum |
|----------------------------|----------------------------|---------------|---------------------------------|------------------|
| From | То | Mileposts | Maximum Canal Capacity (cfs) | Capacity (cfs) * |
| Friant Dam | Turnout and Check | 0.0 to 6.1 | 1,130 | 1,275 |
| Turnout and Check | Concrete Drop Structure | 6.1 to 19.31 | 1,000 | 1,075 |
| Concrete Drop Structure | Dry Creek Siphon | 21.4 to 24.1 | 1,000 | 1,000 |
| Dry Creek Siphon | End of Canal | 24.1 to 35.69 | 550 | 750 |

| | FKC | МС | |
|----------------------------------------------------------------------|-----------------------|----|--|
| Deficient Mileage | 119 | 18 | |
| Normalized "n-valuesApplies current Recla | " mation standards | | |
| | | | |
| | | | |













| | Existing (cfs) | Legislated (cfs) |
|--------------------------------------------------------------------------------------------|-------------------|---------------------|
| CVC to FKC (Kern check) | 500 | 500 |
| Shafter-Wasco (1st pump-back) | 80 | 500 |
| Poso Creek (2nd pump-back) | 50 | 500 |
| Reservoir Check (3rd pump-back) | 0 | 300 |
| Key: CVC = Cross Valley Canal cfs = cubic feet per second FKC = Friant-Kern Canal | | |

| | w/ Existing Facilities (TAF) | w/ Legislated Facilities (TAF) | Difference (TAF) |
|------------------------------------------------------|------------------------------------|--------------------------------------|---------------------|
| Annual Average Water Available | 58.4 | | - |
| Friant Dam Supply Offset | 36.0 | 42.0 | 6.0 |
| Class 1 | 11.5 | 14.1 | 2.6 |
| Class 2 | 24.5 | 27.9 | 3.4 |
| Increased Deliveries | 11.6 | 10.2 | -1.4 |
| Surplus Water | 10.7 | 6.2 | -4.5 |
| ote: eriod of Record: March 1922 – February 2002. | | | |





| Feasibility Cost Estimate | | | | | |
|----------------------------------------------------------------------------------------------|----------------|--------------|--|--|--|
| Shafter | Poso Creek | Woollomes | | | |
| \$20 Million | \$18.5 million | \$13 million | | | |
| Size of Pumps Number of Pumps (6 3 years for construct |) ion | | | | |
| | | | | | |

































