

Appendix A

**PRELIMINARY
SUBJECT TO REVISION****Individual District Emergency Action Plans****A.MEWC Co. Modern Electric Water Company****A.MEWC Co.1 System Characteristics**

Modern Electric Water Company has established boundaries which are unlikely to change. Therefore, current well and reservoir capacities are more than ample to offset the loss of a well. The following summary of system characteristics is relevant to understanding operational contingencies:

1. MEWC Co has one system with two pressure zones dividing the system into an East Zone and a West Zone. The East Zone has (2) two 500,000 gallon elevated reservoirs, (5) five well sites that have a total pumping capacity of 15.3 MGD. The West Zone has (1) one 500,000 gallon elevated reservoir, (4) four well sites that have a total pumping capacity of 14.5 MGD. The two zones have ample interties that would allow the two zones to be operated as one. However the HGL difference between the two zones would require that the West Zone 500,000 gallon reservoir would have to be taken off line when the two zones were operated as one zone.
2. Demand for the East Zone ranges from a low of 1.1 MGD during the winter months to 9.3 MGD during the hot summer weather. Demand for the West Zone ranges from a low of 1.7 MGD during winter months to 8.7 MGD during the hot summer weather.
3. Well sites capacities are fairly equal, no one site is depended upon more than any other.
4. Neighboring water districts' systems are equal in size or much smaller and will not be considered as an option for MEWC Co's Contingency Plan.

A.MEWC Co.2 Short Term Action Plan

MEWC Co expects to utilize excess system capacity and that the loss of a well will have no significant impact on public health or safety (this has recently been demonstrated during the recent 5 year Capital Improvement Plan, where well evaluation and rehabilitation has necessitated one or more wells to be taken off line for short periods of time during the summer months). Fire flows can be maintained through the storage capacity of the reservoirs.

A.MEWC Co.3 Long term Action Plan

Loss of even the largest well in each Zone (West Zone - Well #4 - 3.6 MGD and East Zone - Well #5 - 5.2 MGD) during the winter months will not significantly impact the system, as other wells can increase pumping rates to meet peak winter demand of the entire system.

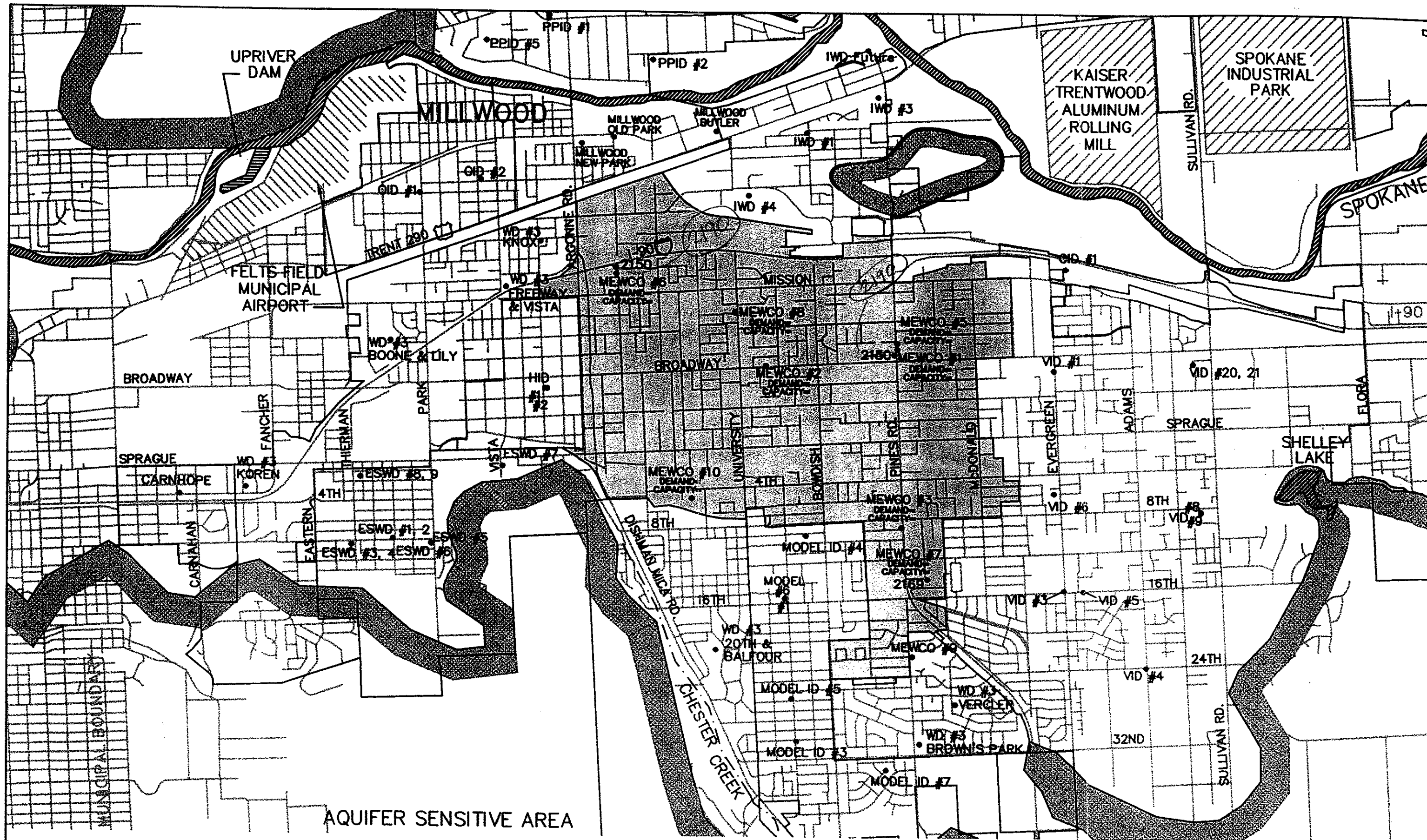
Loss of a single well during the summer season can also be mitigated through existing pressure zone interties. Also items listed below would be considered for long term well loss:

1. General appeal for voluntary reduction of use through odd/even watering days for domestic use (i.e. lawns, car washing, etc...).
2. Restructure the water rates to severely discourage non-essential usage.

3. MEWCO currently owns property throughout the district that could be utilized to develop new well sites and reservoir site. In case of long term or permanent loss of an existing well, these sites could be used to relocate a well site.

A. MEWCo.4 Summary

In summary most of the system demand could be met by utilizing the system's reserve capacity. During the hottest months, system demand should be able to be met without excessive hardship to the customers.



0 3000 6000
SCALE: 1"=3000'

MODERN ELECTRIC
WATER COMPANY
CH2MHIL