

**Irvin Water District #6  
Wellhead Contingency Plan Draft**

**1. System Characteristics**

Irvin Water District #6 is served by three well pumping stations and can maintain adequate water supply all year round with water pressure throughout the service area ranging from 75 PSI (pumps off) to 115 PSI (two pumps on). Also, there is a one-million-gallon water storage tank located on the rock outcropping above Pines Road at the corner of the Pines and Mansfield intersection. Pumping is alternated each month among all three wells, with one pump idle for a month.

*so this means  
that one well  
is always on  
stand-by?*

**Brief summary of existing facilities:**

- a. Well #1- Capacity is at 1,200 gpm—actual production is about 1,100 gpm. This was the first well dug when the district was started in 1955. The well is still producing well.
- b. Well #3—Capacity is at 1,000 to 1,100 gpm—actual production is about 900 gpm. Constructed in 1961.
- c. Well #4—Capacity is at 1,800-2,000 gpm—actual production is about 1,400 gpm. This well was constructed by the Round-up Company (now West Coast Grocery) as part of their fire protection system for their warehouse.
- d. Tower—One-million-gallon steel tank constructed in 1963— water level is maintained via telemetry controls turning on and off pumps as system pressure demands.

*cap  
1200)2200  
1000  
1800*

**2. Short Term Action Plan**

- a. Irvin can maintain adequate system pressure with one well pump out of service during winter months. However, if well pump #4 is out during high peak (summer months) usage, then some restriction will occur, i.e. lawn watering, car washing, etc. This would be necessary to maintain the proper fire protection flow to the district. Radio, television, police loud speaker, and newspaper could be used to notify customers of the emergency.
- b. Actively pursued development hookup of the #4 well pump by end of 1997 year

**3. Long Term Action Plan**

- a. Irvin should (must) pursue the idea of intertie with the neighboring districts of Trentwood I.D., Consolidated I.D., and Modern Electric and Water Co. Pasadena Park I.D. is across the river and would be totally unacceptable per cost.
- b. Purchase of property for an additional one- million-gallon storage tank (tower) for additional storage and reserve capability.

4.

**Summary**

Even though Irvin Water District is small by comparison, it is still in pretty good shape for now, with enough vacant space for expansion. But the aforementioned plans should be vigorously pursued. The purchasing of land for a second tower is a major concern. The only suitable site is located directly across Pines Avenue from the present tower. This site is an land donated by Inland Paper Company to the D.N.R. Avenues for a tradeoff are being assessed. Other than for the new well, transmission lines are installed as new construction takes place.

- NOTE:
1. ~~Contact DOH Spokane office at 456-3115.~~
  2. ~~Chlorination is continued until water quality testing verifies contamination is resolved.~~

**ASSUMED EMERGENCY: Contamination of Source of Supply**

Contamination of the water source could come from industrial wastes in the aquifer, accidental spillage of contaminants near the well sites, from sabotage, or from other sources.

**SYSTEM ELEMENTS**

1. Distribution

2. Reservoir

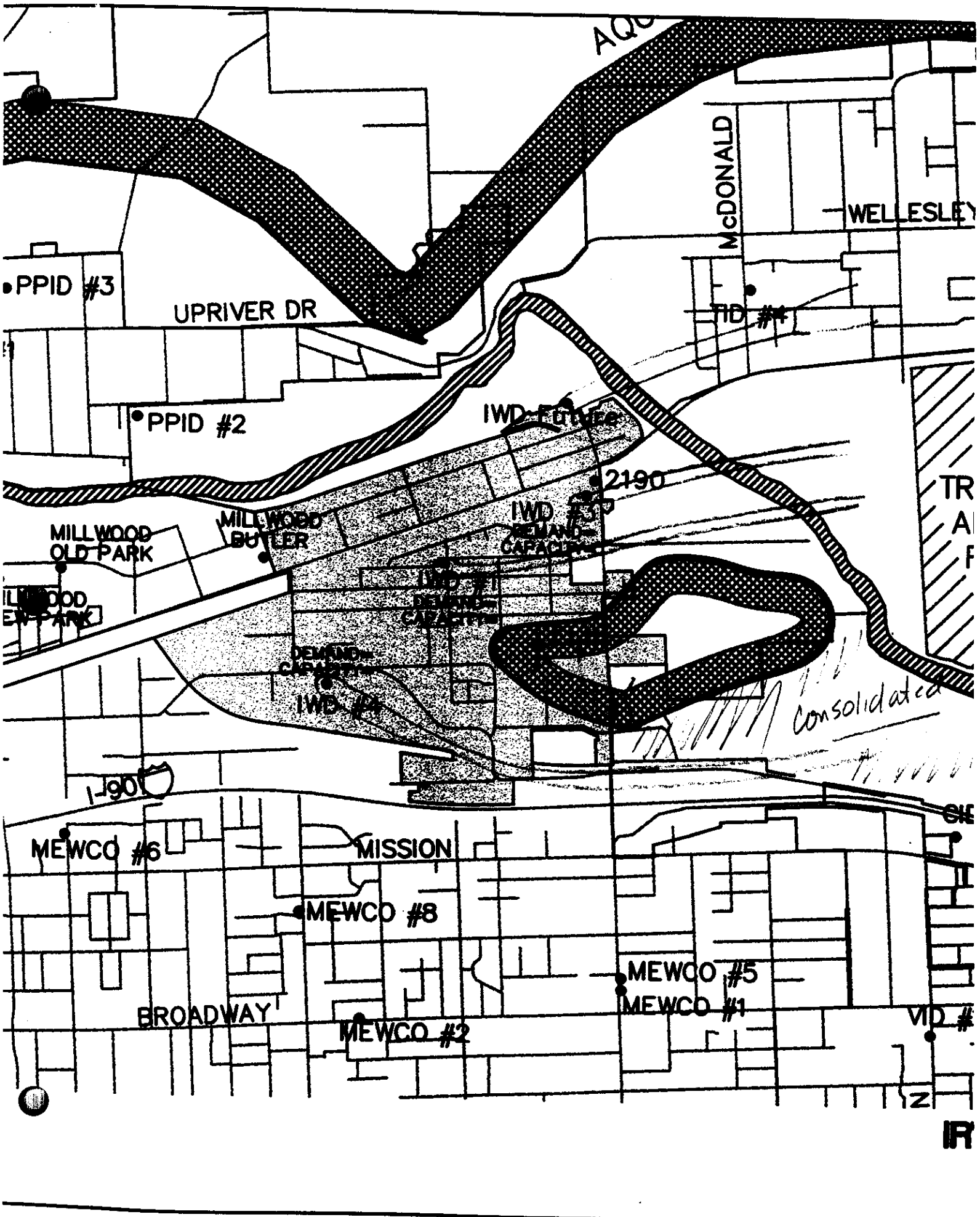
3. Well Pumps

**ACTIONS**

1. Perform chemical and bacteriological analysis at various locations within the system.
2. Disinfect distribution lines as dictated by the nature of the contamination.

1. Perform chemical and bacteriological analysis.
2. Disinfect reservoir as dictated by the nature of the contamination.

1. Do not use until problem is resolved.
2. Disinfect as dictated by the nature of the contamination.



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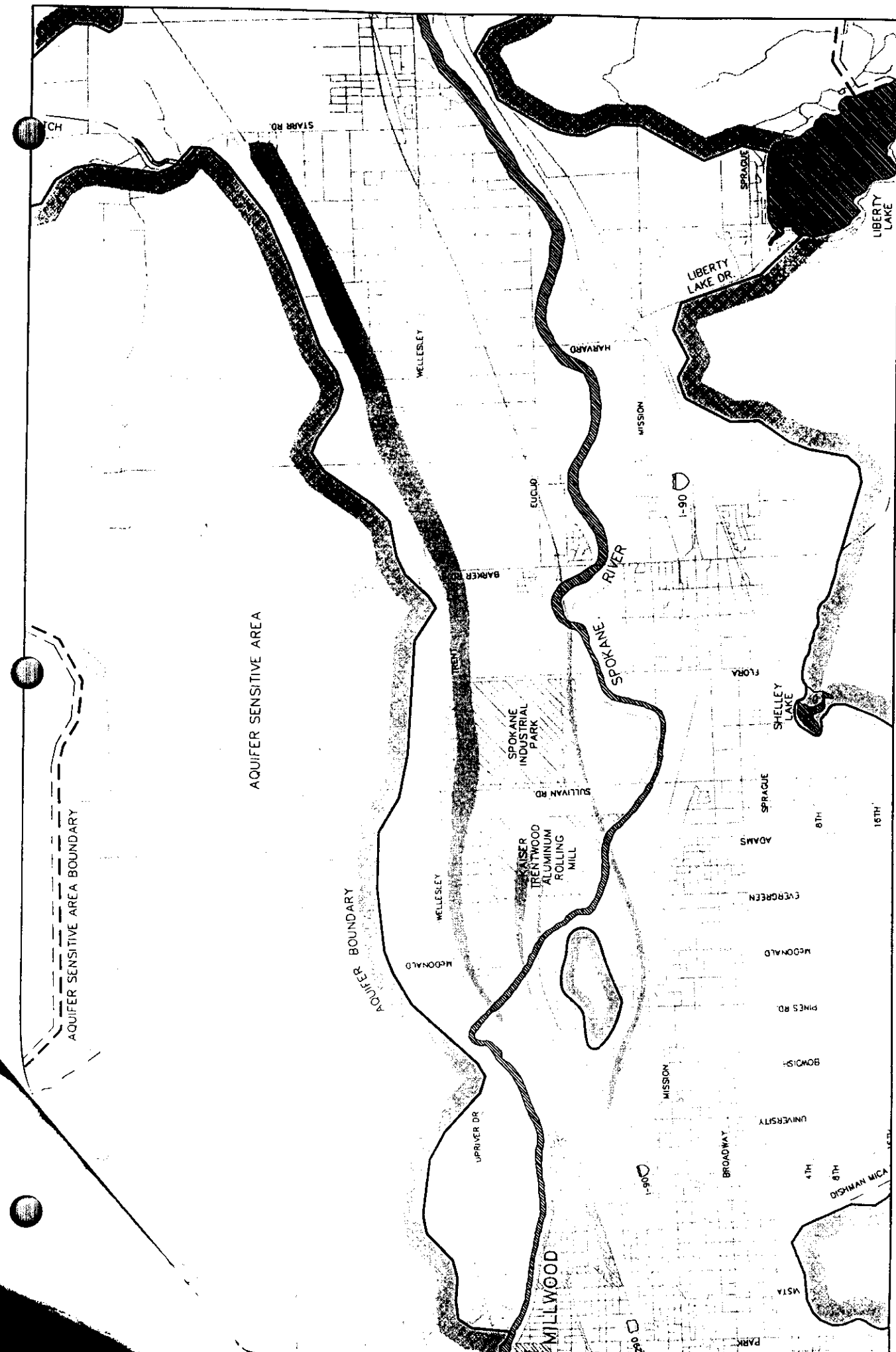


FIGURE -  
SPOKANE AQUIFER JOINT BOARD  
WELLHEAD PROTECTION PROGRAM  
CAPTURE ZONES - WATER RIGHTS

1997



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