MISCELLANEOUS INFORMATION

Estimates of Ground-Water Recharge and Discharge

The total amount of ground-water recharge and discharge to the Salt Lake Valley ground-water reservoir was estimated from data collected during 1969-83, and data computed by the digital Salt Lake Valley model (Waddell and others, 1987). This information is summarized in the following two tables. The well discharge shown is based on a 1969-1982 average.

Annual Withdrawal of Ground-water by wells

The distribution of ground-water discharge according to use for all wells in the Salt Lake Valley is also shown. Note that the priority lists contained in this folder are limited to wells with flow rates of 0.25 cfs or greater.

REFERENCES

Herbert, L. R. and others, 1990, Ground-water conditions in Utah, Spring of 1990, USGS Cooperative Investigations Report Number 30.

Waddell, K. M., Seiler, R. L., Santini, M., and Solomon, D. K., 1987, Ground-Water conditions in Salt Lake Valley, Utah, 1969-83, and predicted effects of increased withdrawals from wells, State of Utah Dept. of Natural Resources Technical Publication No. 87.

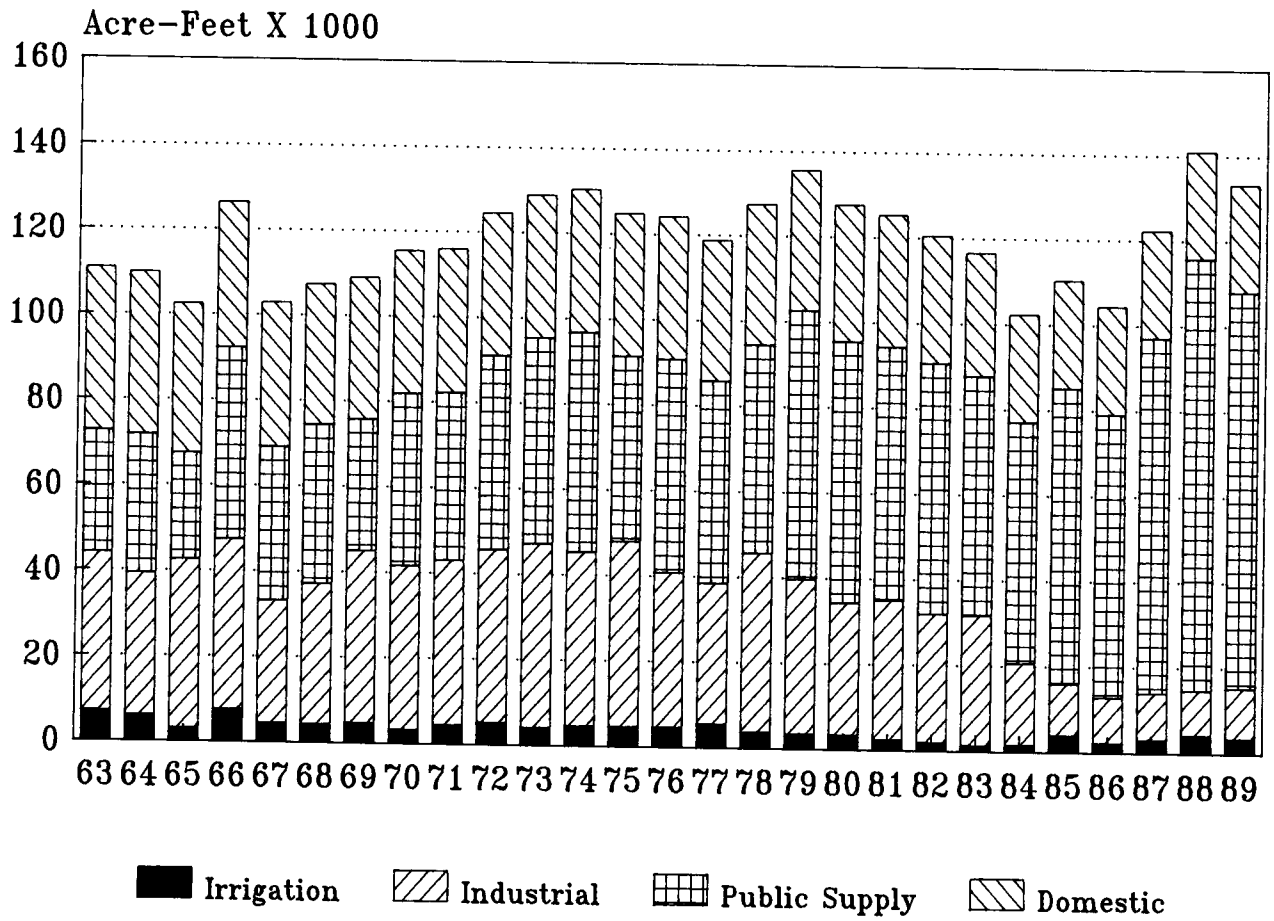
GROUND-WATER DISCHARGE

(acre-feet per year)

Evapotranspiration	54,000
Springs, Seeps, Drains:	
Jordan River	143,000
Magna area drains	5,000
For use	19,000
Major Canals	10,000
Other	2,000
Subsurface flow to Lake	2,600
Wells	117,000
Total	353,000

GROUND-WATER RECHARGE

(acre-feet per year)

Bedrock		157,000
Channel Underflow		4,000
Seepage:	Creeks	16,000
	Canals	24,000
	Irrigation	48,000
	Lawns, Gardens	28,000
	Rain/Snow	71,000
	Other	4,000
Total		352,000

Salt Lake Ground-Water Management Study
Withdrawals by Use, 1963 - 1989