UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
IN COOPERATION WITH
STATE OF UTAH AND LOCAL ORGANIZATIONS

BASIC-DATA RELEASE NUMBER 17
1969
PLATE I

Base map prepared from U.S. Geological Survey topographic maps.

Hydrologic and climatologic data by A.G. Hely, R.W. Mower, and C.A. Horr

MAP OF SALT LAKE COUNTY, UTAH, SHOWING LOCATION OF HYDROLOGIC AND CLIMATOLOGIC DATA-COLLECTION SITES 1968

UTAH BASIC-DATA RELEASE NO. 17
(Open-File Release)

HYDROLOGIC AND CLIMATOLOGIC DATA

1968

SALT LAKE COUNTY, UTAH

by

A. G. Hely, R. W. Mower, and C. A. Horr

U.S. Geological Survey

Prepared by

The United States Geological Survey

in cooperation with

The State of Utah and local organizations

Salt Lake City, Utah

1969

Contents

	Page
Introduction	1
Station-numbering system	3
Well- and spring-numbering system	3
Climatologic data	5
Ground-water data	9
Water-quality data	14
Surface-water data	18

Illustrations

Plate 1. Map of Salt Lake County, Utah, showing location of hydrologic and climatologic data-collection sites. . . In pocket

Figure 1. Well- and spring-numbering system. 4
2-5. Schematic diagrams showing relation of flows:
2. In Jordan Narrows. 19
3. In Little Cottonwood Creek basin 25
4. In Big Cottonwood Creek basin. 25
5. In lower Jordan River basin. 49

Tables

Table 1. Climatologic stations 5
2. Monthly precipitation 6
3. Monthly air temperature 7
4. Monthly pan evaporation and wind movement 8
5. Records of selected wells 9
6. Water levels in selected observation wells. 10
7. Selected drillers' logs of wells. 13
8. Summary of estimated well discharge 14
9. Chemical analyses of water from selected wells and springs 14
10. Daily mean specific conductance of Jordan River at 9400 South, near South Jordan (1672). 15
11. Daily maximum and minimum temperatures of Red Butte Creek at Fort Douglas, near Salt Lake City (1722) 16
12. Suspended sediment in streams at or near gaging stations. 17
13. Discharge measurements at miscellaneous sites 18
14-61. Streamflow records:
14. 1590 A, 1670A, B, 1726.5 C. Water imported to Salt Lake County. 20
15. 1670. Jordan River at narrows, near Lehi. 21
16. 1670 C-K, 1673 B. Diversions from Jordan River between Jordan Narrows and the Surplus Canal 22
17. 1672. Jordan River at 9400 South, near South Jordan . 23
18. 1673. Jordan River at 5800 South, near Murray 24

Tables--Continued

Page

Streamflow records--Continued

Table 19. 1675. Little Cottonwood Creek near Salt Lake City . 26

20. 1675 A. Murray City powerplant pipeline above Little Cottonwood Creek treatment plant, near Salt Lake City 27

21. 1675 B, C. Irrigation diversions from Little Cottonwood Creek above the gage (1675 D) 28

22. 1675 D. Little Cottonwood Creek (channel only) near Salt Lake City. 29

23. 1675 E. Beaver Pond Springs pipeline near Salt Lake City. 30

24. 1675 F. Diversion to Little Cottonwood Creek treatment plant, near Salt Lake City. 31

25. 1675 G-N. Irrigation diversions from Little Cottonwood Creek between gaging stations 1675 D and 1677 32

26. 1677. Little Cottonwood Creek at 2050 East near Salt Lake City 33

27. 1677 A-D, H. Irrigation diversions from Little Cottonwood Creek below gaging station at 2050 East. 34

28. 1685. Big Cottonwood Creek near Salt Lake City. . . 35

29. 1685 A. Utah Power and Light Company tailrace above Big Cottonwood Creek treatment plant, near Salt Lake City 36

30. 1685 B. Butler Ditch near Salt Lake City. 37

31. 1685 C. Big Cottonwood Creek flume at water treatment plant, near Salt Lake City. 38

32. 1685 D. Salt Lake City conduit from Big Cottonwood Creek treatment plant, near Salt Lake City. . 39

33. 1685 E-O, 1688 A. Diversions from Big Cottonwood Creek between Big Cottonwood Creek flume and gaging station at Cottonwood Lane. 40

34. 1688. Big Cottonwood Creek at Cottonwood Lane, near Salt Lake City. 41

35. 1688 B-D. Diversions from Big Cottonwood Creek below gaging station at Cottonwood Lane. 42

36. 1698. Mill Creek above Elbow Fork, near Salt Lake City 43

37. 1700. Mill Creek near Salt Lake City. 44

38. 1700 A. Boundary Springs near Salt Lake City. . . . 45

39. 1700 B. Mill Creek (channel only) near Salt Lake City 46

40. 1700 C-M. Diversions from Mill Creek between gaging stations 1700 B and 1702. 47

41. 1702. Mill Creek at 2200 East, near Salt Lake City. 48

Tables--Continued

Page

Streamflow records--Continued

Table 42. 1705. Surplus Canal at Salt Lake City 50
43. 1707. North Point Consolidated Canal below Goss flume, at Salt Lake City 51
44. 1708. Surplus Canal at Cohen flume, near Salt Lake City 52
45. 1710. Jordan River at Salt Lake City. 53
46. 1715 F. Diversion to Salt Lake City water supply from Mountain Dell Reservoir, near Salt Lake City. 55
47. 1716. Parleys Creek at Suicide Rock, near Salt Lake City. 56
48. 1719. Emigration Creek below Burr Fork, near Salt Lake City. 57
49. 1719 A. Diversion from Emigration Tunnel Springs to Salt Lake City water supply 58
50. 1720. Emigration Creek near Salt Lake City. 59
51. 1721. Emigration Creek below 1300 East, at Salt Lake City. 60
52. 1722. Red Butte Creek at Fort Douglas, near Salt Lake City. 61
53. 1722 A. Diversion from Red Butte Creek to Fort Douglas water supply 62
54. 1722.2. Red Butte Creek below Red Butte Reservoir, near Salt Lake City. 63
55. 1723. Red Butte Creek at 1600 East, at Salt Lake City 64
56. 1724. City Creek above Wasatch Drive, near Salt Lake City 65
57. 1724 A. Diversion to City Creek treatment plant from City Creek, near Salt Lake City 66
58. 1725. City Creek near Salt Lake City. 67
59. 1726. Jordan River below Cudahy Lane, near Salt Lake City. 68
60. 1726.3. Goggin Drain near Magna 69
61. 1726.5. Kennecott Drain near Magna. 70

INTRODUCTION

An investigation of the water resources of Salt Lake County, Utah, was undertaken by the Water Resources Division of the U.S. Geological Survey in July 1963. This investigation is a cooperative project financed chiefly by equal contributions of the State of Utah and the Federal Government in accordance with an agreement between the Division of Water Rights, Utah Department of Natural Resources, and the Geological Survey. The investigation was financed during the period covered by this report by the following organizations: Utah Division of Water Rights (formerly State Engineer), Utah Division of Water Resources (formerly Water and Power Board), Salt Lake County, Salt Lake County Water Conservancy District, Central Utah Water Conservancy District, Metropolitan Water District of Salt Lake City, City of Murray, Granger-Hunter Improvement District, Taylorsville-Bennion Improvement District, Holladay Water Company, Magna Water and Sewer District, U.S. Bureau of Reclamation, U.S. Geological Survey.

The investigation encompasses the collection and interpretation of a large variety of climatologic, hydrologic, and geologic data in and near Salt Lake County. Utah Basic-Data Releases 11-13 and 15 contain data collected through 1967. This release contains climatologic and surface-water data for the 1968 water year (October 1967 to September 1968) and ground-water data collected during the 1968 calendar year. This is the final annual release of basic data for this investigation. Interpretive reports summarizing the results are in preparation. Organizations that furnished data are acknowledged in station descriptions and footnotes to tables.

For most of the records herein, the periods of record and the publications (other than this series of releases) or files where the records may be found are given. In addition to Utah Basic-Data Releases 11-13 and 15 and the U.S. Geological Survey Water-Supply Papers containing previously published data that are noted in the heading of each table or records-available section of station descriptions, the following reports contain data and information on the water resources of Salt Lake County.

Arnow, Ted, 1965, Ground water in the Jordan Valley, Salt Lake County, Utah: Utah State Engineer Water Circ. 1.

Arnow, Ted, and Mattick, R. E., 1968, Thickness of valley fill in the Jordan Valley, east of Great Salt Lake, Utah in Geological Survey Research 1968: U.S. Geol. Survey Prof. Paper 600-B, p. B79-B82.

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Baker, C. H., Jr., Price, Don, and others, 1967, Ground-water conditions in Utah, spring of 1967: Utah Division of Water Resources Coop. Inv. Rept. 5.

Berger Associates, 1964, Future requirements for water, reservoirs, and aqueducts in the Salt Lake metropolitan area: Metropolitan Water District of Salt Lake City, Utah.

Connor, J. G., Mitchell, C. G., and others, 1958, A compilation of chemical-quality data for ground and surface waters in Utah: Utah State Engineer Tech. Pub. 10.

Cordova, R. M., and others, 1968, Ground-water conditions in Utah, spring of 1968: Utah Division of Water Resources Coop. Inv. Rept. 6.

Gardner, D. I., (Published annually) Utah Lake and Jordan River distribution: Water Commissioner's Reports to Utah State Engineer.

Hood, J. W., and others, 1966, Ground-water conditions in Utah, spring of 1966: Utah Water and Power Board Coop. Inv. Rept. 4.

Lofgren, B. E., 1952, Jordan Valley, Salt Lake County, in Status of development of selected ground-water basins in Utah: Utah State Engr. Tech. Pub. 7, p. 76-83.

Marine, I. W., and Price, Don, 1963, Selected hydrologic data, Jordan Valley, Salt Lake County, Utah: U.S. Geol. Survey open-file rept. (duplicated as Utah Basic-Data Report 4).

_____1964, Geology and ground-water resources of Jordan Valley, Utah: Utah Geol. and Mineralog. Survey Water Resources Bull. 7.

Mower, R. W., 1968, Ground-water discharge toward Great Salt Lake through the valley fill in the Jordan Valley, Utah, in Geological Survey Research, 1968: U.S. Geol. Survey Prof. Paper 600-D.

Richardson, G. B., 1906, Underground water in the valleys of Utah Lake and Jordan River, Utah: U.S. Geol. Survey Water-Supply Paper 157.

Taylor, G. H., and Leggette, R. M., 1949, Ground water in the Jordan Valley, Utah: U.S. Geol. Survey Water-Supply Paper 1029.

Templeton, Linke, and Alsup, 1966, Water-supply facilities and water-storage facilities in the Salt Lake County area: Salt Lake County Water Conservancy District.

Ward, J. A., Skoubye, C. M., and Ward, G. A., 1957, Flow characteristics and chemical quality of the Jordan River, Salt Lake County, Utah, for the year 1957: Utah State Water Pollution Control Board.

STATION-NUMBERING SYSTEM

Climatologic stations listed in this report have been assigned numbers preceded by the letter "W" (table 1). The station sites are plotted on plate 1 with the individual station number near each location.

Records of streamflow at gaging stations are listed in downstream order and are keyed by station or site numbers to plate 1. Station numbers not followed by a letter are the station identification numbers adopted by the Water Resources Division of the U.S. Geological Survey for regular streamflow stations. Chemical-quality and sediment stations operated at the streamflow gaging stations are assigned the same number. For this release, station numbers followed by a letter have been adopted for canals and miscellaneous streamsites. These numbers are used as site identification numbers on plate 1 and in the tables of surface-water, chemical-quality, and sediment data.

Station locations are described by reference to well known landmarks, the cadastral land-survey system, or the Salt Lake County coordinate system, which indicates direction and distance from the intersection of Main and South Temple Streets in Salt Lake City. Twenty-seventh East Street, for example, is 27 blocks east of Main Street and may be designated as 2700 East. Similarly, 21st South Street is 21 blocks south of South Temple Street and may be designated 2100 South. However, west and north of Main and South Temple Streets the hundred West and North designations are 100 higher than the street names indicate due to the inclusion of West Temple Street between Main Street and 1st West Street and North Temple Street between South Temple Street and 1st North Street.

WELL- AND SPRING-NUMBERING SYSTEM

The system of numbering wells and springs in Utah is based on the cadastral land-survey system of the U.S. Government. The number, in addition to designating the well or spring, locates its position to the nearest 10-acre tract in the land net. By this system the State is divided into four quadrants by the Salt Lake Base Line and Meridian, and these quadrants are designated by the upper case letters A, B, C, and D, thus: A, for the northeast quadrant; B, for the northwest; C, for the southwest; and D, for the southeast quadrant. Numbers designating the township and range, respectively, follow the quadrant letter, and the three are enclosed in parentheses. The number after the parentheses designates the section, and the lowercase letters give the location within the section. The first letter indicates the quarter section, which is generally a tract of 160 acres, the second letter indicates the 40-acre tract, and the third letter indicates the 10-acre tract. The numbers that follow the letters indicate the serial number of the well or spring within the 10-acre tract. Thus, well (C-2-1)24adc-1, in Salt Lake County, is in the SW¼SE¼NE¼ sec. 24, T. 2 S., R. 1 W., and is the first well constructed or visited in that tract. (See fig. 1.) Springs are designated by the letter S preceding the serial number at the end of the location number.

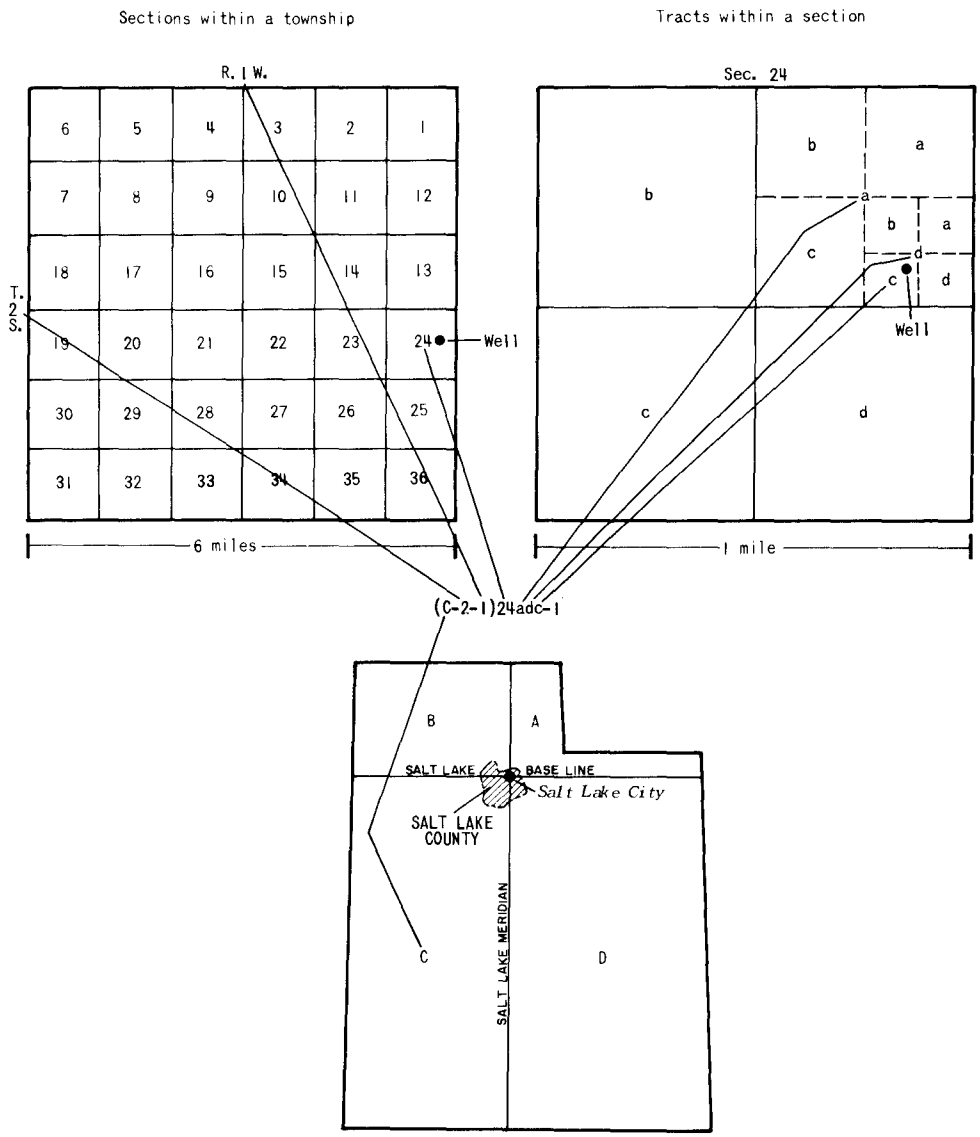

Figure 1.—Well- and spring-numbering system.

Table 1.--Climatologic stations

Types of data.--D, daily values; M, monthly values; records available in publications or files of the Geological Survey or the Environmental Science Service Administration (Weather Bureau).

Station	Map number	WB index number	Latitude		Longitude		Section	Township	Range	Elevation	Types of data				
			°	'	°	'					Air temperature	Precipitation	Evaporation	Relative humidity	Solar radiation
Alta	W-1	0072	40	36	111	38	5	3 S	3 E	8,760	D	D			
Antelope Island	W-2	0194	40	55	112	10	10	2 N	3 W	4,225	D	D			
Barneys Canyon	W-4		40	36	112	08	36	2 S	3 W	6,400		M			
Bingham Canyon	W-5	0699	40	32	112	09	26	3 S	3 W	6,280	D	D			
Butlerville	W-6		40	37	111	48	26	2 S	1 E	5,060		D			
Camp Williams	W-7		40	27	111	56	22	4 S	1 W	4,600	D	D			
City Creek Water Plant	W-8	1446	40	49	111	50	15	1 N	1 E	5,335		D			
Cottonwood Weir	W-9	1759	40	37	111	47	25	2 S	1 E	4,961	D	D			
Crescent	W-10		40	34	111	54	13	3 S	1 W	4,380		D			
Draper	W-11	2233	40	32	111	50	28	3 S	1 E	4,630	D	D	D	D	D
Farmington Bay Refuge	W-12		40	57	111	55	35	3 N	1 W	4,210	D	D	D	D	
Garfield	W-13	3097	40	43	112	12	21	1 S	3 W	4,310	D	D			
Holladay	W-15		40	41	111	49	3	2 S	1 E	4,630		D			
Hog Hollow	W-16		40	29	111	50	10	4 S	1 E	5,860		M			
Hogum Fork	W-17		40	34	111	43	9	3 S	2 E	6,450		M			
Kearns	W-18		40	40	112	00	1	2 S	2 W	4,460	D	D	D	D	
Little Cottonwood Water Plant	W-20		40	35	111	48	2	3 S	1 E	5,040		D			
Mill Creek Canyon	W-22		40	42	111	40	25	1 S	2 E	6,880		M			
Midvale	W-23	5610	40	36	111	53	26	2 S	1 W	4,342		D			
Mountain Dell Dam	W-24	5892	40	45	111	43	9	1 S	2 E	5,500	D	D			
Parleys Summit	W-25	6669	40	46	111	37	4	1 S	3 E	7,590		M			
Red Butte No. 2	W-27		40	47	111	48	5	1 N	1 E	5,425		M			
Red Butte No. 4	W-28	7200	40	48	111	46	19	1 N	2 E	6,200		M			
Red Butte No. 6	W-29	7210	40	49	111	45	17	1 N	2 E	7,180		M			
Riverton	W-30	7343	40	31	111	59	31	3 S	1 W	4,655	D	D	D	D	D
Saltair Salt Plant	W-31	7578	40	46	112	06	5	1 S	2 W	4,210	D	D	D		
Salt Lake City WB AP	W-32	7598	40	46	111	58	33	1 N	1 W	4,220	D	D			D
Silver Lake Brighton	W-33	7846	40	36	111	35	36	2 S	3 E	8,700	D	D			
Sixty-second South pump	W-34	7852	40	38	111	50	22	2 S	1 E	4,440	D	D	D	D	
West Jordan	W-35		40	36	111	58	32	2 S	1 W	4,530		D			
Cottonwood Meadows	W-36		40	40	111	50	9	2 S	1 E	4,360		D			
Foothill P.O.	W-37		40	44	111	50	16	1 S	1 E	4,560		D			
S L C Suburban Sewage Plant	W-38	7608	40	42	111	55	26	1 S	1 W	4,235	D	D	D	D	
University of Utah	W-39	8922	40	46	111	51	4	1 S	1 E	4,735	D	D			

Table 2.--Monthly precipitation, in inches

Water year October 1967 to September 1968

Station	Map No.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Water Year
Alta	W-1	0.29	2.02	9.24	3.66	9.38	5.88	10.96	-	-	-	-	-	-
Antelope Island	W-2	1.40	.28	1.43	.39	2.73	2.16	2.80	2.12	2.05	0	3.32	0.46	19.14
Barneys Canyon	W-4	1.85	1.20	2.35	1.00	4.10	2.70	3.65	2.90	3.40	1.40	4.85	.35	29.75
Bingham Canyon	W-5	1.57	.74	1.60	.42	2.91	1.95	2.95	3.37	-	-	-	-	-
Butlerville	W-6	1.09	.85	2.08	.68	3.02	2.51	4.35	5.23	1.14	.84	3.27	.72	25.78
Camp Williams	W-7	.46	.69	.97	.38	1.77	2.31	2.99	3.33	1.80	.92	2.22	.49	18.33
City Creek Water Plant	W-8	1.68	1.18	e3.85	1.92	4.38	4.80	3.97	4.94	2.03	.18	4.25	.91	34.09
Cottonwood Weir	W-9	1.87	-	-	e.54	2.20	3.09	4.37	5.64	1.46	.90	3.30	.09	-
Crescent	W-10	.63	.79	.93	.31	1.90	2.13	2.84	2.81	1.36	1.32	2.15	.18	17.35
Draper	W-11	.74	1.02	1.35	.87	-	2.96	4.70	5.12	1.30	.96	2.80	.46	-
Farmington Bay Refuge	W-12	.85	.20	2.20	.32	2.59	3.11	2.69	2.72	1.98	.04	4.12	.54	21.36
Garfield	W-13	1.58	.58	1.33	.52	1.82	2.09	3.61	2.64	1.24	.04	4.34	.53	20.32
Holladay	W-15	1.33	.83	1.58	.50	2.24	3.13	3.08	3.72	.98	0	2.75	.63	20.77
Hog Hollow	W-16	.60	2.62	1.93	1.10	3.10	4.30	4.35	-	-	.55	3.05	.40	-
Hogum Fork	W-17	1.44	1.80	(*)	7.50	3.80	4.85	4.50	5.05	1.90	.70	6.05	1.03	38.62
Kearns	W-18	.85	.56	1.06	.30	1.57	2.02	2.67	2.48	1.23	1.25	2.45	.22	16.66
Little Cottonwood Water Plant	W-20	1.27	.64	2.14	.93	2.29	2.56	3.88	5.09	1.50	1.57	4.47	.82	27.16
Mill Creek Canyon	W-22	1.63	2.04	6.42	1.74	5.60	(*)	11.00	5.15	2.50	-	5.50	1.45	-
Midvale	W-23	.95	.28	1.33	.33	1.66	1.66	1.92	2.56	1.55	1.34	3.29	.14	17.01
Mountain Dell Dam	W-24	2.45	1.09	3.51	.61	4.19	2.91	2.73	3.72	1.81	.04	4.94	.94	28.94
Parleys Summit	W-25	2.46	1.21	5.18	2.69	5.98	4.54	5.14	4.40	(*)	(*)	(*)	7.90	39.50
Red Butte No. 2	W-27	1.60	1.04	2.99	.80	3.97	3.90	3.49	4.34	1.62	.15	3.93	.84	28.67
Red Butte No. 4	W-28	2.28	1.35	4.31	.99	5.58	4.80	4.42	4.62	1.70	.15	4.47	.97	35.64
Red Butte No. 6	W-29	2.4	1.8	3.9	1.3	7.2	5.2	5.4	5.5	1.9	.1	4.8	1.0	40.5
Riverton	W-30	.41	.71	.89	.31	1.67	2.14	2.71	2.34	.80	.54	2.76	.37	15.65
Saltair Salt Plant	W-31	.94	e.62	.85	.21	1.35	1.19	2.83	2.26	2.15	.03	3.72	.69	16.84
Salt Lake City WB AP	W-32	.66	.66	1.64	.46	2.32	2.21	2.82	2.18	1.58	.09	3.66	.56	18.84
Silver Lake Brighton	W-33	2.06	2.44	4.49	3.91	6.48	5.05	6.73	4.30	1.76	2.45	2.33	1.23	43.23
Sixty-second South pump	W-34	.38	.73	1.57	.53	3.26	3.16	4.43	3.90	.76	.83	-	.60	-
West Jordan	W-35	.67	.84	1.07	.42	2.24	2.23	3.14	2.32	1.49	.94	1.68	.13	17.17
Cottonwood Meadows	W-36	1.14	.75	1.90	-	2.19	2.88	3.05	3.55	-	-	2.42	-	-
Foothill P.O.	W-37	1.51	.77	2.12	.55	2.77	3.45	3.53	4.02	1.52	.17	3.46	.64	24.51
S L C Suburban Sewage Plant	W-38	.67	1.10	1.13	.19	2.04	2.45	2.38	2.68	1.77	.62	2.30	.75	18.08
University of Utah	W-39	1.24	.77	2.08	.56	2.69	3.32	3.40	3.38	1.73	.13	3.62	.55	23.47

* Amount for this month included in the total shown for the following month.
e Partly or wholly estimated.

Table 3.--Monthly air temperature, in degrees Fahrenheit

Data.--Maximum (minimum) is the average of the daily maximum (minimum) values.

Water year October 1967 to September 1968

Station	Map No.	Data	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Water year
Alta	W-1	Max.	50.4	40.4	25.1	31.7	33.0	34.7	33.3	-	-	-	-	-	
		Min.	31.8	23.8	8.5	15.0	19.8	18.7	18.2	-	-	-	-	-	
		Mean	41.1	32.1	16.8	23.4	26.4	26.7	25.8	-	-	-	-	-	-
Antelope Island	W-2	Max.	68.6	55.9	35.3	35.6	47.4	57.5	58.6	73.7	84.4	97.1	85.8	78.6	
		Min.	40.5	32.0	18.2	12.7	28.3	33.1	33.7	44.4	54.6	64.3	56.9	48.0	
		Mean	54.6	44.0	26.8	24.2	37.9	45.3	46.2	59.1	69.5	80.7	71.4	63.3	51.9
Bingham Canyon	W-5	Max.	62.9	50.8	32.9	37.6	43.9	50.4	50.2	63.1	-	-	-	-	
		Min.	40.3	33.1	15.5	18.7	28.3	30.2	29.1	37.8	-	-	-	-	
		Mean	51.6	42.0	24.2	28.2	36.1	40.3	39.7	50.5	-	-	-	-	-
Camp Williams	W-7	Max.	68.2	57.0	32.2	34.7	47.2	56.8	55.4	68.9	80.2	92.0	82.3	77.1	
		Min.	42.6	33.2	17.4	13.8	29.9	33.4	32.5	43.0	52.6	62.8	56.3	47.3	
		Mean	55.4	45.1	24.8	24.3	38.6	45.1	44.0	56.0	66.4	77.4	69.3	62.2	50.7
Cottonwood Weir	W-9	Max.	67.7	-	35.8	39.9	49.1	56.4	55.9	69.6	82.0	91.1	81.6	76.2	
		Min.	42.1	-	18.0	18.5	29.6	34.0	34.7	44.5	57.3	66.0	57.2	51.6	
		Mean	54.9	-	26.9	29.2	39.4	45.2	45.3	57.1	69.7	78.6	69.4	63.9	-
Draper	W-11	Max.	68.9	57.5	36.0	39.0	-	58.5	58.5	71.5	83.9	92.2	82.4	77.3	
		Min.	36.1	30.6	15.7	15.2	-	29.3	31.3	39.7	48.4	57.2	50.9	44.6	
		Mean	52.5	44.1	25.9	27.1	-	43.9	44.9	55.6	66.2	74.7	66.7	61.0	-
Farmington Bay Refuge	W-12	Max.	64.8	54.3	35.2	33.7	-	54.0	54.6	68.4	79.7	92.8	81.1	75.2	
		Min.	36.2	29.5	14.2	9.4	-	31.5	34.9	43.4	51.9	60.6	54.0	42.3	
		Mean	50.5	41.9	24.7	21.6	-	42.8	44.8	55.9	65.8	76.7	67.6	58.8	-
Garfield	W-13	Max.	67.5	53.8	-	-	45.0	53.6	54.8	68.8	79.6	90.5	80.5	74.3	
		Min.	-	34.0	-	-	28.9	35.6	38.3	48.9	59.8	69.5	60.6	53.8	
		Mean	-	43.9	-	-	37.0	44.6	46.6	58.9	69.7	80.0	70.6	64.1	-
Kearns	W-18	Max.	68.0	55.0	33.6	35.5	46.5	56.5	56.9	68.9	82.2	92.5	82.4	77.0	
		Min.	40.4	33.5	18.8	16.9	30.0	33.2	34.3	42.7	52.8	63.5	57.8	48.9	
		Mean	54.2	44.3	26.2	26.2	38.3	44.9	45.6	55.8	67.5	78.0	70.1	63.0	51.2
Mountain Dell Dam	W-24	Max.	64.5	53.0	34.9	41.0	46.0	54.1	53.9	66.0	78.2	87.7	78.4	73.4	
		Min.	33.5	26.2	12.3	11.3	23.8	24.4	27.9	35.8	43.8	52.1	48.9	38.4	
		Mean	49.0	39.6	23.6	26.2	34.9	39.3	40.9	50.9	61.0	69.9	63.7	55.9	46.2
Riverton	W-30	Max.	68.0	55.4	32.8	36.5	47.2	57.0	55.7	69.1	83.5	91.1	82.5	79.4	
		Min.	37.0	29.2	15.3	13.2	26.8	29.6	30.8	38.3	48.5	57.2	53.6	41.6	
		Mean	52.5	42.3	24.1	24.8	37.0	43.3	43.3	53.7	66.0	74.2	68.1	60.5	49.2
Saltair Salt Plant	W-31	Max.	64.6	52.7	-	34.3	44.2	53.2	54.8	67.4	79.6	90.1	80.2	74.5	
		Min.	37.0	30.4	-	12.7	26.4	32.5	36.2	43.9	55.4	55.6	58.0	46.4	
		Mean	50.8	41.6	-	23.5	35.3	42.9	45.5	55.7	67.5	72.9	69.1	60.5	-
Salt Lake City WB AP	W-32	Max.	68.2	56.0	33.6	35.5	48.1	56.9	56.5	70.6	82.4	94.5	82.3	76.6	
		Min.	36.5	29.9	16.5	13.5	28.3	32.4	34.2	42.1	52.6	62.1	56.4	46.1	
		Mean	52.4	43.0	25.1	24.5	38.2	44.7	45.4	56.4	67.5	78.3	69.4	61.4	50.5
Silver Lake Brighton	W-33	Max.	53.0	41.3	25.6	35.1	36.4	41.4	41.6	52.7	65.0	73.0	63.8	59.6	
		Min.	27.2	21.0	5.5	8.9	14.8	14.5	15.6	24.9	33.3	44.1	39.7	31.6	
		Mean	40.1	31.2	15.6	22.0	25.6	23.0	28.6	38.8	49.2	58.6	51.8	45.6	35.8
Sixty-second South pump	W-34	Max.	68.2	57.5	35.3	38.6	49.6	57.0	56.5	70.6	82.5	93.3	-	77.8	
		Min.	35.5	30.1	18.1	15.3	28.2	30.6	33.2	41.1	51.4	58.7	-	45.8	
		Mean	51.8	43.8	26.7	27.0	38.9	43.8	44.9	55.9	67.0	76.0	-	61.8	-
S L C Suburban Sewage Plant	W-38	Max.	68.7	56.2	35.9	37.9	48.8	57.5	58.1	71.1	83.5	93.1	83.7	78.3	
		Min.	37.4	30.9	18.3	16.2	29.2	33.4	34.5	42.3	53.4	61.1	56.6	47.0	
		Mean	53.1	43.6	27.1	27.1	39.0	45.5	46.3	56.7	68.5	77.1	70.2	62.7	51.4
University of Utah	W-39	Max.	64.6	50.6	31.7	35.7	47.3	54.5	53.1	68.5	79.4	90.3	80.0	74.6	
		Min.	41.5	32.1	19.7	18.5	32.0	34.2	34.6	46.7	56.7	65.5	58.0	51.6	
		Mean	53.1	41.4	25.7	27.1	39.7	44.4	43.9	57.6	68.1	77.9	69.0	63.1	50.9

Table 4.--Monthly pan evaporation and wind movement

Data.--Evaporation given in inches; wind movement, in miles per month. The maximum (minimum) is the average of the daily maximum (minimum) water temperatures in pan, in degrees Fahrenheit.

Water year October 1967 to September 1968

Station	Map No.	Data	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Draper	W-11	Evap.	4.55	-	-	-	-	-	-	6.48	7.23	10.96	6.70	6.16
		Wind	946	1,001	1,158	1,269	720	1,200	553	988	681	921	917	817
		Max.	64.3	-	-	-	-	-	-	76.1	87.0	93.7	85.1	75.6
		Min.	45.1	-	-	-	-	-	-	46.8	54.7	60.9	57.1	49.2
Farmington Bay Refuge	W-12	Evap.	-	-	-	-	-	-	-	7.25	9.01	11.81	8.83	7.14
		Wind	1,215	892	1,349	1,175	597	1,538	1,583	1,332	866	1,179	1,458	1,259
		Max.	-	-	-	-	-	-	-	69.3	81.3	90.6	79.7	72.2
		Min.	-	-	-	-	-	-	-	48.1	56.8	60.8	57.9	49.2
Kearns	W-18	Evap.	5.41	-	-	-	-	-	4.67	7.57	10.40	15.01	10.07	8.76
		Wind	1,748	1,926	3,003	2,133	1,560	2,336	2,210	1,730	1,629	2,711	2,759	2,049
		Max.	63.0	-	-	-	-	-	63.4	73.2	83.8	89.6	81.1	74.8
		Min.	43.7	-	-	-	-	-	39.3	47.0	55.0	60.5	56.4	49.1
Riverton	W-30	Evap.	4.87	-	-	-	-	-	-	-	8.32	11.23	7.46	7.26
		Wind	1,435	1,399	1,979	1,940	1,349	2,052	1,850	1,132	915	777	941	1,198
		Max.	67.8	-	-	-	-	-	-	-	86.1	94.5	84.3	78.1
		Min.	43.5	-	-	-	-	-	-	-	48.5	57.9	52.9	39.8
Saltair Salt Plant	W-31	Evap.	5.52	2.65	-	-	-	-	5.52	8.76	11.58	15.20	10.58	8.54
		Wind	3,031	2,429	-	-	-	-	3,812	3,959	3,649	4,101	4,132	3,447
		Max.	63.5	51.6	-	-	-	-	61.4	71.7	81.9	88.1	80.9	74.4
		Min.	40.5	35.8	-	-	-	-	38.4	44.9	54.8	59.8	57.0	47.7
Sixty-second South pump	W-34	Evap.	3.49	-	-	-	-	-	4.44	6.84	8.76	10.90	-	6.08
		Wind	345	223	123	387	78	385	428	511	268	179	88	36
		Max.	65.5	-	-	-	-	-	64.1	74.0	86.8	93.9	-	77.3
		Min.	48.5	-	-	-	-	-	41.8	49.6	59.3	63.0	-	51.3
S L C Suburban Sewage Plant	W-38	Evap.	4.77	3.54	-	-	-	-	-	7.62	10.07	16.46	11.03	7.65
		Wind	1,838	1,436	2,352	2,111	1,386	2,465	2,306	1,989	1,430	2,042	2,065	1,847
		Max.	62.8	52.8	-	-	-	-	-	75.0	86.4	91.3	82.8	73.8
		Min.	43.4	38.2	-	-	-	-	-	47.6	56.1	61.7	57.4	49.6

Table 5.--Records of selected wells

Well number.--See text for description of numbering system.

Casing.--Finish: P, perforated, upper and lower limits of perforations given in feet below the land surface if known.

Altitude of land-surface datum.--Surveyed altitudes are given in feet and tenths; altitudes interpolated from topographic maps are given in feet.

Water-level.--Measured distances to water levels are given in feet and tenths; reported and estimated distances are given in feet.

Method of lift.--N, no pump and well does not flow; T, turbine pump.

Yield (gpm, gallons per minute).--F, natural flow; P, pumped; r, reported.

Principal use of water or well in 1968.--N, industrial; P, public supply; U, unused.

Other data available.--C, chemical analyses (table 9); D, drillers' logs (table 7); J, gamma-ray, temperature, and fluid resistivity logs are in files of the U.S. Geol. Survey. Records of other wells are contained in Utah Basic-Data Releases 4, 11-13, 15, and Water-Supply Paper 1029.

Well number	Owner or user	Year drilled	Depth of well (feet)	Casing			Altitude of land-surface datum (feet)	Water level		Method of lift	Yield		Use of water in 1968	Temperature (°F)	Other data available
				Diameter (inches)	Depth (feet)	Finish		Above (+) or below (-) land-surface datum (feet)	Date of measurement		Rate (gpm)	Date of measurement			
(C-1-1) 16caa-1	EIMAC Corp.	1960	585	10	585	P430-465	4,235	(+)	6-27-60	T	75Fr	6-27-60	N	--	D
(C-1-2) 21abc-2	Kennecott Copper Corp.	1968	404	16	404	P230-400	4,225	(+)	7-14-68	-	1,190Fr	7-14-68	N	62	D
(C-3-2) 14baa-1	do	1968	650	20	554	P403-520	4,975.9	-295	6-22-68	N	3,000Pr	6-22-68	U	59	D,J
(C-4-1) 14cdb-1	Mt. Jordan Corp.	1968	310	12	310	P168-303	4,588.9	-143.1	5-17-68	N	900Pr	2-26-68	U	54	D,J
14dcd-1	do	1965	845	16	806	P265-716	4,695.4	-254.4	6-10-64	T	600Pr	4- 2-65	N	61	C,D,J
23bac-1	do	1968	260	12	260	P160-254	4,590.6	-144.2	5-17-68	N	1,350Pr	1-26-68	U	53	D,J
(D-2-1) 32dbd-1	Sandy City	1968	570	16	557	P400-550	4,560	-199.8	2-21-68	T	1,210Pr	1-22-68	P	56	D
(D-3-1) 5adb-1	do	1968	656	16	656	P518-650	4,625	-286.5	2-23-68	-	1,920Pr	2- 2-68	P	--	D
7abb-1	do	1968	590	16	590	P485-575	4,498	-163	11-15-68	-	1,350Pr	11-15-68	U	63	D
14bcd-1	Valley Investment Co.	1955	606	16	605	P198-605	4,810	-320	7- 8-55	-	270Pr	12-22-62	P	--	D

Table 6.--Water levels in selected observation wells

Water levels.--Water levels in feet below land-surface datum are designated by a minus (-) sign immediately before the first entry in each column in the table, those above land-surface datum are designated similarly by a plus (+) sign.

Records available.--Utah Basic-Data Releases 11-13 and 15 contain records for previous years, including records for some wells not listed herein. Many of these records are published also in the following Water-Supply Papers:

Year	Number	Year	Number	Year	Number	Year	Number	Year	Number	Year	Number	Year	Number
1936	817	1940	910	1943	990	1946	1075	1949	1029	1951	1195	1954	1325
1937	840	1941	940	1944	1020	1947	1100	1949	1160	1952	1225	1955	1408
1938	845	1942	948	1945	1027	1948	1130	1950	1169	1953	1269	1956-60	1760
1939	886												

Remarks.--Records of these wells given in table 5 or in Utah Basic-Data Releases 11-13 and 15.

Cooperation.--Dagger (†), measured by the Salt Lake City Water Department; all other measurements were made by the U.S. Geological Survey.

Day column.--Eom, end of month.

Water-level column.--B, well pumped or flowed recently; E, estimated; H, tape measurement.

(A-1-1)31cca-1. Records available 1934-68

Jan. 3, 1968	-127.3†	Apr. 29, 1968	-122.9†	Sept. 3, 1968	-124.0
22	126.4†	May 27	122.2†	18	142.4†
Feb. 13	125.3	June 18	121.2†	Oct. 15	126.7†
20	125.2†	July 16	123.4†	Nov. 19	123.3†
Mar. 19	124.3†	Aug. 26	120.0†	Dec. 17	121.8†

(A-1-2)33cba-3. Records available 1965-68

Jan. 26, 1968	-24.1	May 27, 1968	-21.3	Oct. 1, 1968	-24.5
Feb. 26	22.7	June 29	23.0	31	24.3
Mar. 27	21.7	July 30	23.7	Nov. 26	24.4
Apr. 29	22.3	Sept. 4	24.3	Dec. 27	24.6

(B-1-1)33cda-1. Records available 1935-68

Jan. 29, 1968	+10.6†	May 27, 1968	+11.0†	Sept. 18, 1968	+9.7†
Feb. 26	10.6†	June 20	10.6†	Oct. 15	10.4†
Mar. 25	10.8†	July 22	10.3†	Nov. 25	11.0†
Apr. 29	10.9†	Aug. 26	10.3†	Dec. 12	11.2†

(B-1-2)7ccc-1. Records available 1965-68

Jan. 26, 1968	B+9.4	July 19, 1968	B+9.5	Oct. 30, 1968	B+9.4
Apr. 8	B9.5	Aug. 6	B9.2	Nov. 27	B8.7
May 7	B9.4	Sept. 14	B9.9	Dec. 30	B11.5

(B-1-2)36baa-1. Records available 1931-33, 1941-53, 1955-68

Jan. 30, 1968	B+10.0	May 29, 1968	B+9.9	Sept. 30, 1968	B+10.0
Feb. 12	B10.0	June 28	B9.9	Oct. 30	B10.3
Mar. 28	B10.0	July 31	B9.0	Nov. 27	B11.4
Apr. 30	B10.1	Sept. 4	B9.9	Dec. 30	B9.9

(C-1-1)9aab-1. Records available 1956-61, 1964-68

Feb. 27, 1968	B+5.6	Sept. 14, 1968	+5.5

(C-1-1)15bdd-11. Highest water level on date, in feet above land surface from recorder graph. Records available 1956-68

1968

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	E10.3	10.5	10.8	10.7	10.6	10.4	9.6	8.9	9.7	9.8	10.9	11.4
10	E10.3	10.6	E10.8	10.9	10.7	10.6	9.5	8.9	9.8	10.1	10.9	11.5
15	E10.3	11.4	E10.8	11.0	10.4	10.2	9.4	8.9	9.3	10.0	11.2	11.3
20	E10.4	10.7	E10.9	10.6	10.6	10.2	9.0	9.6	9.3	10.1	11.3	11.7
25	E10.4	10.7	10.9	10.9	10.4	10.1	9.0	9.6	9.9	10.6	10.7	E11.5
Eom	10.4	10.7	10.8	11.2	10.5	9.7	9.0	9.7	9.7	E10.6	11.3	E11.5

(C-1-1)18ddd-2. Records available 1957-68

Jan. 30, 1968	B+6.4	May 29, 1968	B+6.8	Sept. 30, 1968	B+5.4
Feb. 27	B6.6	June 28	B6.4	Oct. 30	B6.1
Mar. 28	B6.4	July 30	B4.0	Nov. 27	B6.4
Apr. 30	B6.3	Sept. 4	B4.0	Dec. 31	B6.1

(C-1-1)26ada-1. Highest water level on date, in feet below land surface from recorder graph. Records available 1966-68

1968

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	3.8	3.7	2.9	2.4	3.0	2.5	3.4	3.6	3.7	4.0	3.8	3.3
10	3.8	E3.6	2.3	2.6	3.1	2.3	3.4	3.6	3.8	4.0	3.8	3.3
15	H3.9	E3.5	2.8	2.8	3.0	2.6	E3.4	3.6	3.9	3.8	3.7	3.0
20	4.0	E3.3	2.2	2.8	3.0	3.0	E3.5	3.5	4.0	3.8	3.6	2.9
25	3.8	E3.2	2.5	2.8	2.6	3.1	E3.6	3.2	4.0	3.9	3.5	2.7
Eom	3.8	E3.1	2.8	3.0	2.5	3.4	3.7	3.5	4.0	3.8	3.2	2.8

(C-1-1)33abb-1. Records available 1931, 1935-68

Jan. 30, 1968	+11.3	Apr. 30, 1968	+10.4	July 30, 1968	+7.0
Feb. 27	11.4	May 29	8.7	Sept. 4	8.6
Mar. 28	11.0	June 28	B4.2	30	9.4

(C-1-1)35aaa-4. Records available 1931-35, 1956-68

Jan. 29, 1968	+8.4	June 17, 1968	+6.2†	Oct. 1, 1968	+5.6
Feb. 27	B9.0	29	5.3	14	6.7†
Mar. 18	9.7†	July 22	2.6†	Nov. 1	8.0
27	B10.2	30	2.8	25	9.4†
Apr. 22	9.6†	Aug. 26	5.5†	29	10.2
29	10.0	Sept. 4	5.0	Dec. 16	10.6†
May 20	8.9†	23	4.2†	30	B10.2
29	8.8				

(C-1-2)1ccc-1. Records available 1965-68

Jan. 30, 1968	B+1.9	May 29, 1968	B+1.7	Sept. 30, 1968	B+2.0
Feb. 27	B2.0	June 28	B1.7	Oct. 30	B2.2
Mar. 28	B1.9	July 31	B1.6	Nov. 27	B2.4
Apr. 30	B2.0	Sept. 4	B2.0	Dec. 31	B2.4

(C-1-2)22bdd-4. Records available 1956-61, 1963-68

Jan. 30, 1968	+7.2	May 29, 1968	+7.2	Sept. 30, 1968	+8.4
Feb. 27	6.8	June 28	6.8	Oct. 30	8.4
Mar. 28	6.6	July 30	7.8	Nov. 27	8.2
Apr. 30	6.6	Sept. 4	7.8	Dec. 31	7.8

(C-1-2)22cbb-1. Records available 1931-32, 1934-68

Jan. 30, 1968	B+10.9	May 29, 1968	B+10.8	Sept. 30, 1968	B+13.7
Feb. 27	B10.6	June 28	B10.8	Oct. 30	B13.5
Mar. 28	B10.3	July 31	B12.1	Nov. 27	B13.1
Apr. 30	B9.7	Sept. 4	B13.6	Dec. 31	B11.3

(C-2-1)9ccc-1. Highest water level on date, in feet below land surface from recorder graph. Records available 1966-68

1968

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	E57.1	57.7	58.2	58.9	59.3	58.5	E57.6	E56.6	56.0	55.1	55.0	55.5
10	E57.2	57.8	58.2	59.0	59.3	58.4	E57.5	E56.5	55.9	55.0	55.1	55.6
15	E57.3	57.9	E58.3	59.1	59.3	58.4	E57.3	E56.3	55.7	54.8	55.1	55.7
20	E57.4	E57.9	E58.5	59.2	59.1	E58.2	E57.1	E56.2	55.4	54.9	55.3	55.7
25	E57.5	E58.0	58.6	59.3	E59.0	E58.0	E57.0	E56.0	55.4	54.9	55.3	55.8
Eom	57.5	58.1	58.8	H59.4	H58.8	57.8	H56.8	56.0	H55.3	54.9	55.4	H56.1

(C-2-1)12bac-1. Records available 1931-68

Jan. 29, 1968	+5.2	May 31, 1968	+4.8	Oct. 1, 1968	+3.6
Feb. 26	6.0†	June 17	4.5†	14	5.2†
27	B5.5	29	B2.5	Nov. 1	5.4
Mar. 18	6.6†	July 15	2.3†	25	6.7†
27	B6.2	30	B1.9	29	6.1
Apr. 22	5.8†	Aug. 26	4.8†	Dec. 16	7.2†
29	6.2	Sept. 4	B3.3	30	B6.6
May 20	5.3†	23	4.5†		

(C-2-1)24adc-1. Records available 1931-68

Jan. 2, 1968	-30.1	May 31, 1968	-32.2	Oct. 1, 1968	-32.5
29	30.3	June 29	35.1	Nov. 1	30.0
Feb. 27	30.2	July 30	35.7	29	30.0
Mar. 27	30.1	Sept. 4	33.4	Dec. 30	29.8
Apr. 29	30.8				

(C-2-1)24bcd-1. Records available 1965-68

Feb. 27, 1968	-23.0	July 30, 1968	-23.8	Nov. 1, 1968	-22.9
Mar. 27	22.6	Sept. 4	23.6	29	23.0
Apr. 29	22.7	Oct. 1	22.7	Dec. 30	22.7
May 31	23.1				

(C-2-2)9bdb-1. Highest water level on date, in feet below land surface from recorder graph. Records available 1966-68

1968

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	89.6	89.7	89.3	E89.1	88.7	E88.6	88.3	88.1	87.9	87.9	87.9	87.8
10	89.4	89.5	89.2	E89.1	88.8	E88.6	88.2	88.1	87.9	87.9	87.6	87.7
15	89.6	89.5	E89.2	E89.1	88.8	E88.5	88.1	87.9	88.0	87.7	87.7	87.6
20	89.8	89.4	E89.2	E89.0	88.7	88.4	88.0	87.8	88.0	88.0	87.6	87.7
25	89.4	89.6	E89.2	E89.0	88.7	88.3	88.3	88.0	88.0	87.8	87.5	87.6
Eom	89.4	89.5	E89.1	E89.0	E88.7	88.4	88.2	88.0	87.9	87.7	87.8	87.6

(C-3-1)1cab-2. Highest water level on date, in feet below land surface from recorder graph. Records available 1966-68

1968

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	43.0	43.0	E42.7	42.6	E42.3	E43.0	E44.6	E45.8	E44.6	E44.0	E42.9	E42.7
10	43.0	42.8	E42.5	41.9	E42.4	E43.3	E45.0	E45.6	E44.5	E43.8	E42.9	E42.6
15	43.0	42.8	E42.3	42.1	E42.6	E43.5	E45.2	E45.4	E44.4	E43.6	E42.9	E42.5
20	43.1	42.7	E42.1	42.1	E42.8	E43.8	E45.5	E45.2	E44.3	E43.4	E42.9	42.4
25	42.9	42.6	E41.8	42.2	E43.0	E44.1	E45.7	E45.0	E44.3	E43.2	E42.8	42.3
Eom	43.0	42.7	42.2	E42.1	H43.2	E44.4	46.0	E44.8	E44.2	E43.0	E42.8	42.5

(C-3-1)6cac-1. Records available 1964-68

Jan. 29, 1968	-77.3	May 31, 1968	-77.5	Sept. 30, 1968	-77.8
Feb. 27	77.3	June 28	77.3	Nov. 27	77.9
Mar. 28	77.4	July 31	78.4	Dec. 31	77.5
Apr. 30	77.4	Sept. 4	77.7		

(C-3-1)12ccb-1. Records available 1931-35, 1955-68

Jan. 29, 1968	B+26.0	May 31, 1968	B+25.8	Sept. 30, 1968	B+25.8
Feb. 27	B26.2	June 29	B23.8	Nov. 1	B26.7
Mar. 27	B26.6	July 30	B23.8	27	B26.7
Apr. 29	B26.4	Sept. 4	B25.7	Dec. 30	B27.0

(C-3-1)15dda-1. Records available 1955-68

Jan. 29, 1968	+17.7	May 31, 1968	+15.1	Sept. 30, 1968	+25.8
Feb. 27	16.9	June 28	15.9	Nov. 1	26.7
Mar. 28	15.6	July 31	17.1	27	26.7
Apr. 30	14.8	Sept. 4	19.0	Dec. 30	27.0

(C-3-1)20ddb-1. Records available 1963-68

Feb. 23, 1968	-138.5				

(C-3-1)28bac-1. Records available 1963-68

Feb. 23, 1968	-91.0				

(C-3-1)30aba-1. Records available 1956-68

Jan. 29, 1968	-78.3	Apr. 30, 1968	-78.7	Sept. 30, 1968	-70.0
Feb. 23	78.6	May 31	75.0	Oct. 30	72.3
27	78.7	June 28	70.6	Nov. 27	75.1
Mar. 28	78.6	Sept. 4	71.2	Dec. 31	76.9

(C-3-1)30acd-1. Records available 1957-68

Jan. 29, 1968	-29.7	Apr. 30, 1968	-29.1	Oct. 30, 1968	-27.6
Feb. 23	29.6	May 31	20.2	Nov. 27	29.1
27	29.4	June 28	19.2	Dec. 31	29.1
Mar. 28	29.2	Sept. 30	26.6		

(C-3-1)31cbb-1. Records available 1959, 1964-68

Feb. 23, 1968	-100.2				

(C-3-1)31ccb-1. Records available 1962, 1964-68

Feb. 23, 1968	-106.2				

(C-3-1)31dcd-3. Records available 1962-68

Feb. 21, 1968	-127.1				

(C-3-1)32cad-2. Records available 1931-35, 1955-68

Feb. 24, 1968	-130.9				

(C-3-1)32cdc-1. Records available 1964-68

Feb. 21, 1968	-140.9				

(C-3-1)32dcc-1. Records available 1964-68

Feb. 21, 1968	-134.5				

(C-3-1)33aab-1. Records available 1962-68

Feb. 27, 1968	-63.8				

(C-3-2)4adb-1. Records available 1958-68

Jan. 29, 1968	-154.3	May 31, 1968	-154.4	Sept. 30, 1968	-154.5
Feb. 24	154.2	June 28	154.3	Oct. 30	155.4
Mar. 28	154.4	July 31	154.4	Nov. 27	154.7
Apr. 30	154.3	Sept. 4	154.4	Dec. 31	154.7

(C-3-2)28dbb-1. Records available 1960-68

Jan. 29, 1968	-141.3	Mar. 28, 1968	-140.4	May 31, 1968	-139.6
Feb. 15	141.1	Apr. 30	140.2		

(C-3-2)33cac-1. Records available 1962, 1964-68

Jan. 29, 1968	-28.0	May 31, 1968	-23.7	Sept. 30, 1968	-27.3
Feb. 15	27.9	June 28	23.7	Oct. 30	27.1
Mar. 28	27.9	July 31	27.2	Nov. 27	26.6
Apr. 30	25.9	Sept. 4	26.4	Dec. 31	27.2

(C-4-1)5acb-1. Records available 1964-68

Feb. 21, 1968	-143.8				

(C-4-1)14abd-1. Records available 1964-68

Jan. 29, 1968	-77.4	May 31, 1968	-82.6	Nov. 1, 1968	-77.0
Feb. 27	80.6	June 29	80.6	26	77.5
Mar. 27	82.0	Sept. 4	87.2	Dec. 30	73.6
Apr. 29	82.9	Oct. 7	76.8		

(C-4-1)22dbd-1. Records available 1964-68

Feb. 24, 1968	-71.3				

(C-4-1)23dbd-1. Highest water level on date, in feet below land surface from recorder graph. Records available 1964-68

1968

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	E47.6	E48.0	48.2	47.1	E46.4	E46.2	E46.0	E46.1	46.2	46.4	46.6	46.8
10	E47.7	E48.0	48.2	H46.7	E46.5	E46.0	E46.1	E46.1	E46.2	46.4	46.6	46.7
15	E47.8	E48.0	48.2	E46.6	E46.5	E45.7	E46.1	E46.1	E46.2	46.4	H46.7	46.7
20	E47.8	E48.1	E47.8	E46.5	E46.5	E45.4	E46.1	E46.1	E46.3	46.4	46.7	46.7
25	47.9	E48.1	E46.5	E46.5	E46.5	E45.7	E46.1	E46.1	E46.3	46.5	46.8	46.6
Eom	E47.9	E48.1	46.5	H46.4	H46.5	E46.0	46.1	46.1	H46.3	46.6	46.8	E46.5

(D-1-1)1add-1. Records available 1965-68

Jan. 26, 1968	-32.7	May 27, 1968	-20.0	Oct. 1, 1968	-32.4
Feb. 26	29.4	June 29	24.7	31	32.1
Mar. 27	24.1	July 30	29.6	Nov. 26	32.7
Apr. 29	19.0	Sept. 4	31.6	Dec. 27	32.5

(D-1-1)4add-1. Records available 1965-68

Feb. 26, 1968	-340.0	June 29, 1968	-338.3	Oct. 31, 1968	-344.9
Mar. 26	338.8	July 30	346.0	Nov. 27	340.8
May 27	338.2	Sept. 4	348.4		

(D-1-1)4cac-1. Records available 1934-68

Jan. 2, 1968	-202.1†	May 1, 1968	-199.6†	Aug. 20, 1968	-207.1†
25	201.2†	21	199.7†	Sept. 17	209.0†
Feb. 23	200.2†	June 18	199.8†	Oct. 15	212.0†
Mar. 19	199.3†	July 30	201.8†	Dec. 3	207.0†

(D-1-1)5aaa-1. Records available 1934-68

Jan. 2, 1968	-121.0†	Feb. 13, 1968	-119.9	Mar. 19, 1968	-117.3†
26	120.2†	23	119.7†	May 1	118.6†

(D-1-1)5aaa-1 - Continued

May 21, 1968	-107.4†	Aug. 20, 1968	-120.2†	Oct. 15, 1968	-122.0†
June 18	118.8†	Sept. 3	121.3	Dec. 3	122.6†
July 30	118.8†	17	125.0†		

(D-1-1)7abd-6. Records available 1931-32, 1935-68

Jan. 26, 1968	B+8.3	May 27, 1968	B+8.1	Oct. 1, 1968	+8.6†
Feb. 27	B8.6	June 29	B8.6	30	B9.1
Mar. 27	B9.4	July 30	B7.5	Nov. 26	B9.4
Apr. 30	B9.1	Sept. 4	B8.9	Dec. 26	B9.2

(D-1-1)10cac-1. Records available 1934-68

Jan. 26, 1968	-146.2	May 27, 1968	-146.4	Oct. 1, 1968	-145.1
Feb. 26	146.6	June 29	146.0	30	145.2
Mar. 27	146.7	July 30	145.4	Nov. 26	145.2
Apr. 29	146.8	Sept. 4	145.3	Dec. 27	145.0

(D-1-1)19cdb-17. Records available 1956-68

Jan. 26, 1968	+13.1	May 27, 1968	B+13.2	Oct. 1, 1968	+10.9
Feb. 26	13.4	June 29	B9.6	30	12.4
Mar. 27	14.1	July 30	B8.0	Nov. 26	13.4
Apr. 29	14.2	Sept. 4	B10.4	Dec. 27	B13.4

(D-1-1)30abb-4. Records available 1965-68

Jan. 10, 1968	-3.9	June 29, 1968	-6.7	Oct. 30, 1968	-4.4
Mar. 27	3.0	July 30	9.0	Nov. 26	2.5
Apr. 29	2.2	Sept. 4	5.7	Dec. 27	1.7
May 29	3.2	Oct. 1	7.5	31	1.5

(D-1-1)30aca-23. Records available 1956-68

Jan. 26, 1968	-6.8	May 29, 1968	-6.3	Oct. 1, 1968	-10.6
Feb. 26	6.5	June 29	9.8	30	7.5
Mar. 27	6.0	July 30	12.6	Nov. 26	5.6
Apr. 29	5.2	Sept. 4	10.5	Dec. 27	4.7

(D-1-1)30cda-10. Records available 1956-57, 1964-68

Jan. 26, 1968	-5.0	May 27, 1968	-5.2	Oct. 1, 1968	-6.0
Feb. 26	4.7	June 29	5.3	30	6.4
Mar. 27	4.2	July 30	5.7	Nov. 26	3.8
Apr. 29	4.2	Sept. 4	5.7	Dec. 27	2.3

(D-2-1)3ada-2. Records available 1964-68

Feb. 13, 1968	-240.6				

(D-2-1)4dbd-4. Records available 1931-68

Apr. 29, 1968	-23.4	July 30, 1968	-15.4	Oct. 18, 1968	-18.8†
May 21	14.7†	Aug. 19	15.8†	30	19.3
31	15.0	Sept. 4	15.7	Nov. 18	20.4†
June 18	15.5†	17	15.8†	26	20.7
29	15.4	30	14.4	Dec. 27	21.9
July 25	15.7†				

(D-2-1)5aaa-1. Records available 1931-68

Jan. 2, 1968	-10.8†	May 21, 1968	-11.2†	Sept. 24, 1968	-14.2†
23	11.2†	June 18	13.2†	Oct. 15	13.2†
Mar. 20	9.3†	Aug. 19	15.5†	Nov. 19	10.0†
Apr. 30	8.7†				

(D-2-1)5aba-2. Records available 1964-68

Jan. 26, 1968	+9.1	May 31, 1968	+9.2	Sept. 30, 1968	+4.8
Feb. 26	9.4	June 29	4.7	Oct. 30	9.1
Mar. 27	11.9	July 30	.4	Nov. 26	10.7
Apr. 29	11.7	Sept. 4	4.0	Dec. 27	11.8

(D-2-1)8ccd-19. Highest water level on date, in feet above land surface from recorder graph. Recorder operated by Salt Lake City Water Department. Records available 1931-52, 1956-68

1968

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	25.6	24.0	26.2	25.1	18.8	15.0	6.3	2.8	3.4	9.0	18.4	24.5
10	25.9	26.0	26.1	27.0	18.2	16.4	6.7	3.4	1.5	11.5	20.9	24.8
15	26.2	26.1	26.3	24.8	17.6	15.1	5.2	5.1	1.2	13.0	22.6	25.5
20	26.0	25.9	26.2	21.2	17.3	12.8	1.8	7.1	3.5	15.9	24.3	25.8
25	26.3	26.1	27.2	22.1	16.1	8.9	5.0	12.9	8.4	16.2	24.2	26.5
Eom	26.5	25.9	26.2	21.3	16.8	6.8	.7	7.2	8.3	17.1	24.3	27.2

(D-2-1)15acc-1. Highest water level on date, in feet below land surface from recorder graph. Recorder operated by Salt Lake City Water Department. Records available 1934-68

1968

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	87.4	88.3	88.6	88.1	86.4	83.6	80.3	82.4	83.5	85.2	85.1	86.2
10	87.4	88.2	88.8	87.9	85.9	82.9	80.2	82.5	84.2	85.7	85.2	86.2
15	87.5	88.3	88.8	87.4	85.6	82.1	79.9	82.3	84.4	85.6	84.9	86.0
20	87.9	88.5	88.9	87.4	84.8	81.5	80.2	82.7	84.8	85.4	85.0	86.1
25	87.8	88.6	88.3	87.1	84.7	81.1	80.8	82.9	84.9	85.1	86.0	86.0
Eom	88.1	88.7	88.4	86.5	84.1	80.7	81.6	83.1	85.1	85.0	86.2	86.0

(D-2-1)16dbc-1. Records available 1962-68

Jan. 22, 1968	-41.6†	May 1, 1968	-50.6†	Aug. 20, 1968	-47.5†
Feb. 14	40.2	28	42.4†	Oct. 16	44.3†
19	40.4†	June 20	44.5†	Dec. 3	40.8†
Mar. 18	40.0†	July 25	47.5†		

(D-2-1)21dbc-1. Records available 1961-68

Jan. 2, 1968	-92.2†	Mar. 20, 1968	-90.4†	Sept. 18, 1968	-98.6†
23	86.4†	May 1	94.7†	Oct. 16	93.4†
Feb. 14	85.3	28	88.4†	Dec. 3	87.9†
23	91.2†	Aug. 20	95.8†		

Table 6.--Water levels in selected observation wells--Continued

(D-2-1)28abc-2. Records available 1955-68

Jan. 26, 1968	-160.8	May 31, 1968	-160.8	Sept. 30, 1968	-165.2
Feb. 26	162.0	June 29	163.1	Oct. 30	162.3
Mar. 27	161.6	July 30	166.4	Nov. 26	163.1
Apr. 29	160.6	Sept. 4	164.6	Dec. 27	161.7

(D-2-1)28ccc-3. Records available 1956, 1958, 1964-68

Feb. 20, 1968	-196.4				

(D-2-1)28ddb-1. Records available 1934-68

Jan. 2, 1968	-11.7†	May 1, 1968	-11.6†	Aug. 20, 1968	-4.6†
23	13.0†	23	5.3†	Sept. 18	8.8†
Feb. 23	12.7†	June 20	3.8†	Oct. 29	9.0†
Mar. 20	12.5†	Aug. 5	7.1†	Dec. 3	9.3†

(D-2-1)32bbb-1. Records available 1955-68

Jan. 28, 1968	-101.7	May 31, 1968	-103.4	Sept. 30, 1968	-104.1
Feb. 26	102.5	June 29	B105.3	Nov. 1	103.1
Mar. 27	102.6	July 30	B105.1	26	102.8
Apr. 29	102.9	Sept. 4	104.6	Dec. 27	102.4

(D-2-1)33add-2. Records available 1964-68

Feb. 26, 1968	-260.5	June 29, 1968	-261.1	Nov. 1, 1968	-262.9
Mar. 27	260.4	July 30	263.8	26	264.0
Apr. 29	259.6	Sept. 4	263.0	Dec. 27	261.0
May 31	260.1	30	265.8		

(D-3-1)2ccc-1. Highest water level on date, in feet below land surface from recorder graph. Records available 1956-68

1968

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	E536.2	535.9	535.1	535.2	535.9	537.6	541.0	E541.8	E541.6	541.1	535.7	536.2
10	E536.0	535.5	535.2	535.5	536.6	538.0	541.6	E541.7	E541.5	E540.5	537.4	535.9
15	E535.8	535.6	535.4	535.3	537.0	538.1	E542.0	E541.7	E541.5	E540.0	536.8	535.8
20	E535.6	535.4	535.5	535.6	537.0	538.6	E541.9	E541.7	E541.5	E539.4	537.1	535.4
25	E535.4	535.6	535.0	535.7	537.4	539.5	E541.8	E541.6	E541.4	E538.8	536.5	535.2
Eom	535.6	535.5	535.2	535.8	537.4	540.3	E541.8	E541.6	541.4	E538.3	536.3	535.8

(D-3-1)17bcc-1. Records available 1955-68

Jan. 26, 1968	-132.0	May 31, 1968	-135.1	Sept. 30, 1968	-134.7
Feb. 26	134.9	June 29	134.9	Nov. 1	134.5
Mar. 27	134.9	July 30	135.0	26	134.5
Apr. 29	135.1	Sept. 4	134.9	Dec. 30	134.3

(D-3-1)18cba-1. Highest water level on date, in feet below land surface from recorder graph. Records available 1964-68

1968

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	71.4	71.4	71.2	71.2	72.2	72.2	73.8	73.9	72.7	72.0	70.8	71.0
10	71.3	71.3	71.2	71.0	72.6	71.8	73.7	73.6	72.8	71.8	70.8	70.9
15	71.4	71.3	71.3	71.0	72.0	72.2	73.7	73.2	72.9	71.6	70.9	70.9
20	71.5	71.2	71.0	71.1	71.9	73.0	73.2	72.4	72.7	71.6	71.1	70.8
25	71.2	71.2	70.8	71.1	71.8	73.5	74.0	72.2	72.2	71.2	71.0	70.7
Eom	71.3	71.2	71.1	71.2	H72.0	73.9	74.3	72.7	72.2	71.0	71.0	70.9

(D-3-1)29cbc-1. Highest water level on date, in feet below land surface from recorder graph. Records available 1964-68

1968

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
5	54.4	55.0	55.1	55.5	56.3	56.1	56.0	55.2	54.5	53.7	53.3	53.5
10	54.3	54.8	55.1	55.8	56.5	56.2	55.8	55.2	54.2	53.5	53.4	53.5
15	54.5	54.9	55.4	55.8	56.3	56.2	55.6	54.8	54.0	53.4	53.2	53.6
20	54.8	55.0	55.4	55.7	56.3	56.3	55.6	54.6	53.8	53.5	53.6	53.4
25	54.5	55.2	55.3	55.8	56.3	56.1	55.4	54.6	54.0	53.6	53.4	53.4
Eom	54.5	55.2	55.4	56.1	H56.4	56.1	55.3	54.7	H53.8	53.4	53.4	53.9

(D-4-1)6bbc-1. Records available 1963-68

Jan. 29, 1968	-52.2	May 31, 1968	-53.7	Oct. 1, 1968	-50.5
Feb. 26	52.7	June 29	53.3	Nov. 1	50.3
Mar. 27	53.0	July 30	52.1	26	50.6
Apr. 28	53.6	Sept. 4	51.7	Dec. 30	51.1

Table 7.--Selected drillers' logs of wells

Altitude of land surface at the well.--Altitudes interpolated from topographic maps are given in feet.

Thickness.--Given in feet.

Depth.--Given in feet below land surface.

Remarks.--Records of these wells given in table 5.

	Thickness	Depth
(C-1-1)16caa-1. Log by Robinson Drilling Co. Alt. 4,235 ft.		
Clay, yellow	6	6
Sand	2	8
Clay, gray	27	35
Sand	39	74
Clay, gray	24	98
Gravel, fine	18	116
Clay, gray	6	122
Sand and gravel, fine	23	145
Clay, sticky	10	155
Clay, sandy	25	180
Gravel, fine	12	192
Sand, fine	10	202
Clay, gray	2	204
Sand	16	220
Clay, blue	3	223
Sand	8	231
Clay, blue, sandy	11	242
Sand	7	249
Clay, sandy	9	258
Clay, blue	4	262
Sand	23	285
Clay, blue	14	299
Sand	34	333
Clay and fine gravel	37	370
Clay	20	390
Sand	5	395
Clay	5	400
Sand	10	410
Sand and gravel	52	462
Clay, blue	80	542
Gravel, fine	5	547
Clay, blue	38	585
(C-1-2)21abc-2. Log by B. B. Gardner. Alt. 4,225 ft.		
Clay, yellow, sandy	16	16
Clay, blue, sandy	11	27
Sand; water	11	38
Gravel; water	8	46
Sand and gravel; water	9	55
Clay, red	23	78
Clay, gray, sandy	3	81
Gravel; water	3	84
Clay, blue	6	90
Gravel; water	13	103
Clay, red	12	115
Clay, brown	33	148
Gravel; water	3	151
Clay, brown	23	174
Gravel; water	11	185
Clay, brown	13	198
Gravel; water	15	213
Clay, sandy	12	225
Conglomerate	5	230
Gravel; water	19	249
Conglomerate, hard	18	267
Clay, brown	4	271
Conglomerate	9	280
Clay, gravel, and conglomerate in alternating beds	18	298
Clay, brown	2	300
Gravel; water	4	304
Clay, brown	8	312
Conglomerate, hard	6	318
Clay, brown	6	324
Conglomerate, hard	18	342
Clay, brown, and gravel in alternating beds	50	392
Gravel; water	8	400
Clay, brown	4	404
(C-3-2)14baa-1. Log by J. S. Lee and Sons. Alt. 4,974 ft.		
Soil	1	1
Clay, silt, and gravel	34	35
Clay, sandy	42	77
Clay and gravel	14	91
Clay, sandy	14	105
Clay and gravel	298	403
Sand and gravel	117	520
Gravel, cemented	23	543
Clay and gravel	10	553
Gravel, cemented	97	650
(C-4-1)14cdb-1. Log by M. Church Drilling Co. Alt. 4,588.9 ft.		
Sand	80	80
Clay and sand	20	100
Sand	68	168
Gravel; water	10	178
Clay, gray	69	247
Gravel; water	10	257
Clay	44	301
Gravel; water	2	303
Clay	7	310
(C-4-1)14dcd-1. Log 0 to 450 ft. by Eldon Comer; 438 to 845 ft. by M. Church Drilling Co. Alt. 4,695.4 ft.		
Sand and gravel	220	220
Clay and gravel	45	265
Rock and gravel	7	272
Clay and rock	178	450
Conglomerate	17	455
Sand and gravel	5	460
Conglomerate	10	470
Gravel	10	480
Clay and gravel	10	490
Gravel	10	500
Clay and gravel	50	550
Gravel	5	555
Clay and gravel	35	590
Clay	125	715
Gravel	1	716
Clay and gravel	2	718
Clay	40	758
Sand and gravel	3	761
Clay	54	815
Sand and gravel	6	821
Clay	24	845
(C-4-1)23bac-1. Log by M. Church Drilling Co. Alt. 4,590.6 ft.		
Sand	20	20
Sand and gravel	80	100
Hardpan	10	110
Gravel	50	160
Gravel; water	60	220
Clay and sand	24	244
Cobbles; water	10	254
Clay, gray	6	260
(D-2-1)32dbd-1. Log by Robinson Drilling Co. Alt. 4,560 ft.		
Sand; perched water at 15 feet	58	58
Clay, blue, and sand	22	80
Clay, sand, and gravel	10	90
Sand and gravel	75	165
Clay, yellow, sand, and gravel	10	175
Sand	7	182
Clay, yellow, and sand	21	203
Sand	29	232
Conglomerate	3	235
Sand and gravel	55	290
Sand	20	310
Conglomerate	25	335
Clay, yellow	10	345
Conglomerate	12	357
Sand	11	368
Clay, yellow	3	371
Gravel	2	373
Sand and gravel	10	383
Clay, blue	13	396
Conglomerate	44	440
Clay, yellow, and sand	2	442
Cobbles	21	463
Clay, red, and cobbles	7	470
Gravel and boulders	5	475
Conglomerate	51	526
Gravel and cobbles	4	530
Sand and gravel	4	534
Clay and gravel	9	543
Gravel and boulders	9	552
Clay, yellow, and gravel	9	561
Clay, yellow, and boulders	6	567
Clay, yellow, and gravel	3	570
(D-3-1)5adb-1. Log by Robinson Drilling Co. Alt. 4,625 ft.		
Sand and gravel	72	72
Sand	56	128
Clay, blue, and sand	41	169
Sand and gravel	79	248
Clay, yellow, and gravel	23	271
Sand; water	16	287
Clay, yellow, and gravel	4	291
Sand and gravel	29	320
Sand	53	373
Clay, yellow, and sand	24	397
Sand	35	432
Clay, yellow, and gravel	3	435
Clay, yellow	13	448
Sand, hard, and hardpan	64	512
Clay, sand, and gravel	18	530
Sand and gravel	26	556
Sand	9	565
Sand and gravel	91	656
(D-3-1)7abb-1. Log by Robinson Drilling Co. Alt. 4,498 ft.		
Clay and silt	2	2
Sand	90	92
Clay	14	106
Clay and sand	75	181
Clay	12	193
Sand and gravel	13	206
Clay and sand	22	228
Sand and gravel	74	302
Clay and sand	25	327
Sand and gravel	19	346
Clay and gravel	12	358
Sand and gravel	30	388
Clay and gravel	35	423
Sand and gravel	4	427
Sand	5	432
Clay and gravel	11	443
Sand	13	456
Sand and gravel	5	461
Clay and gravel	5	466
Sand and gravel	12	478
Clay and gravel	3	481
Sand, gravel, and cobbles	23	504
Clay, sand, and gravel	2	506
Sand and gravel	24	530
Clay and gravel	6	536
Sand and gravel	16	552
Clay and gravel	9	561
Sand and gravel	28	589
Clay	1	590
(D-3-1)14bcd-1. Log by J. S. Lee and Sons. Alt. 4,810 ft.		
Soil	3	3
Gravel; dry	55	58
Boulders	21	79
Gravel; water	25	104
Clay	8	112
Clay and sand	52	164
Clay	34	198
Conglomerate	47	245
Sand	10	255
Clay and sand	10	265
Sand	11	276
Sand and hardpan	39	315
Gravel; water	35	350
Clay and gravel	10	360
Sand and gravel; water	38	398
Clay, red	4	402
Sand and gravel; water	73	475
Clay	5	480
Sand and gravel	5	485
Clay and gravel	5	490
Clay, red, sand, and gravel	32	522
Clay	3	525
Sand and gravel	15	540
Clay	5	545
Sand and gravel	60	605
Granite	1	606

Table 8.--Summary of estimated well discharge, in acre-feet, in the Jordan Valley in 1968

Ground-water district.--See plate 1 for location.

Use of water.--Public supply includes water used by municipalities, public water supply companies, schools, hospitals, and hotels.

Use of water	Ground-water district						
	East Bench	East Lake Plain	Cottonwoods	Southeast	West Slope	Northwest Lake Plain	Total (rounded)
Irrigation	100	40	200	200	3,600	100	4,200
Industry	1,300	2,600	1,260	480	2,900	23,500	32,000
Public supply	8,500	3,200	21,200	100	1,100	3,100	37,200
Air conditioning	200	700	40	20	0	10	1,000
Domestic, stock, fish, and fur culture	200	9,000	8,500	200	5,000	10,000	32,900
Total (rounded)	10,300	15,500	31,200	1,000	12,600	36,700	107,300

WATER-QUALITY DATA

Table 9.--Chemical analyses of water from selected wells

Sodium.--Sodium (Na) and potassium (K) values are calculated and reported as sodium.

Dissolved solids.--Dissolved solids values are residue on evaporation at 180°C.

Remarks.--Records of these wells are given in table 5 or in Utah Basic-Data Release No. 13, table 5.

Chemical analyses, in parts per million, calendar year 1968

	Date of collection	Temperature (°F)	Silica (SiO_2)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Bicarbonate (HCO_3)	Carbonate (CO_3)	Sulfate (SO_4)	Chloride (Cl)	Nitrate (NO_3)	Dissolved solids	Hardness as $CaCO_3$	Noncarbonate hardness as $CaCO_3$	Percent sodium	Sodium adsorption ratio	Specific conductance (micromhos/cm at 25°C)	pH
(C-4-1)14dcd-1	5-20-68	61	25	67	38	123	234	0	156	127	6.9	655	326	134	38	2.2	1,040	7.8
(D-1-1)20ddd-1[a]	7 -2-68	60	17	120	39	40	268	0	243	34	6.1	641	460	240	12	.6	911	8.0

a Analysis includes 0.4 ppm fluoride (F) and 0.05 ppm boron (B).

Table 10.--Daily mean specific conductance of Jordan River at 9400 South, near South Jordan (1672)

Records available.--October 1966 to August 1968

Specific conductance, in micromhos per cm, at 25°C, water year October 1967 to September 1968

	October	November	December	January	February	March	April	May	June	July	August	September
1	2,500	2,800	2,670	2,400	2,300	2,380	2,200	1,600	2,150	1,930	--	--
2	2,480	2,810	2,700	2,350	2,270	2,380	2,210	1,610	2,150	1,920	--	--
3	2,500	2,810	2,680	2,380	2,270	2,340	2,230	1,700	2,100	1,860	--	--
4	2,440	2,800	2,680	2,400	2,300	2,360	2,240	1,870	2,100	1,740	--	--
5	2,440	2,760	2,640	2,440	2,270	2,300	2,170	1,940	2,000	1,780	--	--
6	2,480	2,780	2,700	2,410	2,280	2,300	2,080	1,980	1,900	1,800	--	--
7	2,440	2,780	2,710	2,380	2,350	2,260	1,810	1,950	2,000	1,800	--	--
8	2,420	2,800	2,700	2,400	2,300	2,260	1,730	2,000	1,980	1,710	--	--
9	2,400	2,800	2,680	2,380	2,300	2,200	1,530	1,970	1,780	1,710	--	--
10	2,400	2,760	2,680	2,340	2,300	2,200	1,560	1,990	1,780	1,720	--	--
11	2,470	2,780	2,640	2,300	2,310	2,180	1,600	1,970	1,760	1,960	--	--
12	2,470	2,780	2,660	2,300	2,360	2,200	1,450	1,960	1,680	2,040	--	--
13	2,500	2,740	2,700	2,300	2,300	2,160	1,470	1,970	1,650	2,140	--	--
14	2,570	2,760	2,670	2,300	2,380	2,200	1,390	1,980	1,700	2,100	--	--
15	2,600	2,740	2,680	2,300	2,450	2,160	1,360	1,960	1,700	2,000	--	--
16	2,640	2,780	2,640	2,350	2,400	2,140	1,500	1,900	1,850	2,000	--	--
17	2,640	2,820	2,580	2,380	2,400	1,800	1,560	1,930	1,820	1,970	--	--
18	2,640	2,800	2,560	2,300	2,320	1,700	1,540	1,980	1,870	1,900	--	--
19	2,700	2,810	2,560	2,300	2,300	1,630	1,520	2,000	1,890	1,940	--	--
20	2,760	2,800	2,560	2,400	2,300	1,580	1,590	2,050	1,900	2,080	--	--
21	2,800	2,760	2,540	2,410	2,380	1,540	1,610	2,120	1,780	2,100	--	--
22	2,780	2,780	2,560	2,380	2,400	1,550	1,630	2,120	1,890	2,100	--	--
23	2,780	2,760	2,580	2,300	2,400	1,590	1,640	2,150	1,960	2,080	--	--
24	2,780	2,800	2,500	2,300	2,350	1,610	1,610	2,200	1,960	2,000	--	--
25	2,800	2,800	2,560	2,250	2,350	1,620	1,610	2,210	1,930	2,000	--	--
26	2,810	2,800	2,540	2,250	2,380	1,680	1,600	2,150	1,940	2,000	--	--
27	2,800	2,760	2,500	2,310	2,380	1,710	1,600	2,100	1,850	1,980	--	--
28	2,780	2,760	2,580	2,300	2,400	1,730	1,600	2,150	1,880	1,980	--	--
29	2,780	2,760	2,500	2,250	2,400	1,970	1,600	2,120	1,900	1,960	--	--
30	2,760	2,740	2,450	2,250	---------	2,090	1,600	2,100	1,950	1,940	--	--
31	2,800	---------	2,400	2,210	---------	2,150	---------	2,120	---------	1,980	--	--
Average	2,620	2,780	2,610	2,340	2,340	2,000	1,694	2,000	1,890	1,940	--	--

Table 11.--Daily maximum and minimum temperature of Red Butte Creek at Fort Douglas, near Salt Lake City (1722)

Records available.--April 1964 to September 1968.

Extremes.--Maximum temperature during year, 72°F July 28, 29; minimum, 32°F on several days during winter months. April 1964-September 1968: Maximum temperature, 72°F July 28-29, 1968; minimum, 32°F on several days during winter months.

Temperature of water, in degrees Fahrenheit, water year October 1967 to September 1968

Month	Day																															Average
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
October																																
Maximum.....	--	--	--	--	--	--	--	--	--	--	--	--	54	51	49	49	50	51	51	51	51	51	50	48	48	48	46	44	44	45	46	--
Minimum.....	--	--	--	--	--	--	--	--	--	--	--	--	--	45	41	40	41	42	43	43	43	44	46	41	44	41	40	42	42	38	39	--
November																																
Maximum.....	47	46	41	44	43	42	44	46	46	46	46	48	49	49	46	46	44	44	46	46	45	42	41	40	40	37	36	36	38	37	--	43
Minimum.....	42	41	37	38	38	37	38	40	40	42	41	42	45	45	42	42	40	39	42	44	42	39	38	38	36	36	36	36	36	36	--	40
December																																
Maximum.....	38	36	36	36	36	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	35	35	36	37	36	34	34	35
Minimum.....	36	36	36	36	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	35	35	36	34	34	34	34
January																																
Maximum.....	34	34	34	34	34	34	34	34	34	34	33	34	34	33	33	33	33	32	32	32	32	32	32	32	32	33	34	33	32	32	34	33
Minimum.....	34	34	34	34	34	34	34	34	34	33	33	33	33	33	33	33	32	32	32	32	32	32	32	32	32	32	33	32	32	32	32	33
February																																
Maximum.....	33	33	35	35	35	35	36	35	36	38	36	37	33	34	34	36	36	38	41	39	38	40	39	44	44	43	44	42	44	--	--	38
Minimum.....	32	32	32	33	33	33	33	32	32	33	34	33	32	33	33	33	33	35	38	37	37	37	38	38	38	37	39	36	35	--	--	34
March																																
Maximum.....	45	45	45	46	47	43	40	39	36	42	43	43	40	44	47	45	41	38	41	44	45	47	48	49	48	45	49	52	54	52	53	45
Minimum.....	36	36	36	36	37	37	36	36	33	35	34	34	37	36	36	39	35	35	36	35	35	36	38	39	39	38	37	39	41	43	40	37
April																																
Maximum.....	51	46	43	49	42	42	42	47	49	52	53	51	48	50	46	49	43	48	47	42	45	45	51	47	47	47	48	54	57	58	--	48
Minimum.....	44	40	40	39	38	37	37	36	36	39	40	43	39	36	39	41	39	36	37	37	37	38	38	40	39	40	39	40	42	42	--	39
May																																
Maximum.....	58	58	58	57	52	48	53	53	50	54	50	54	49	45	47	51	53	56	58	59	55	50	47	47	50	52	55	58	57	52	54	53
Minimum.....	43	43	42	42	44	40	37	40	41	42	43	42	42	41	40	39	39	40	42	46	46	43	37	41	41	41	43	43	46	41	43	42
June																																
Maximum.....	57	59	59	52	51	57	56	51	53	55	60	62	59	57	62	62	63	64	63	64	64	64	64	63	64	64	65	65	57	59	--	60
Minimum.....	43	45	47	47	46	47	47	48	48	48	47	48	49	47	48	48	50	51	52	51	51	51	52	51	49	50	51	52	48	44	--	48
July																																
Maximum.....	62	64	65	61	66	67	67	68	66	63	67	68	68	68	68	68	68	68	68	69	66	64	69	70	70	71	69	72	72	71	70	68
Minimum.....	47	49	51	54	52	53	53	54	55	55	53	55	54	54	54	55	55	54	55	56	56	56	55	56	57	57	58	58	58	58	58	55
August																																
Maximum.....	68	66	66	70	68	69	70	67	67	67	68	69	65	61	63	63	56	51	62	65	62	56	59	61	63	65	66	64	63	64	65	64
Minimum.....	57	58	58	57	57	58	59	59	59	58	58	57	57	56	53	51	51	48	50	54	52	50	48	48	50	52	54	53	50	50	52	54
September																																
Maximum.....	65	64	61	60	61	63	63	63	63	64	59	64	65	64	55	54	56	60	61	54	51	51	53	56	57	57	56	55	54	57	--	59
Minimum.....	51	54	50	48	49	50	51	52	50	52	55	54	54	55	50	46	46	48	51	48	45	43	43	46	47	47	47	48	49	48	--	49

Table 12.--Suspended sediment in streams at or near gaging stations

Locations.--Locations are given in corresponding streamflow tables (14-61)

Suspended sediment.--T, discharge less than 0.05 tons per day.

Periodic determinations of suspended-sediment discharge, water year October 1967 to September 1968

Date of collection	Time	Water temperature (°F)	Mean discharge (cfs)	Suspended sediment: Mean concentration (ppm)	Suspended sediment: Discharge (tons per day)
1675. Little Cottonwood Creek near Salt Lake City					
Nov. 9, 1967	1105	37	17	1	0.1
Dec. 20	1010	34	14	1	T
Jan. 23, 1968	1300	36	12	1	T
Feb. 21	-	37	15	1	T
Mar. 14	1330	37	17	2	.1
Apr. 11	0950	41	24	1	.1
May 17	1410	46	74	2	.4
June 18	1100	43	470	41	52
July 3	1500	50	197	4	2.1
Aug. 2	1010	54	60	2	.3
Sept. 30	-	45	26	1	.1
1685. Big Cottonwood Creek near Salt Lake City					
Nov. 9, 1967	1330	39	29	2	.2
Dec. 20	1035	34	21	13	.7
Jan. 23, 1968	1330	34	20	4	.2
Feb. 21		39	34	6	.6
Mar. 14	1400	39	29	3	.2
Apr. 11	1020	39	54	4	.6
May 17	1245	45	98	4	1.1
June 18	1140	46	328	23	20
July 3	1530	52	154	6	2.5
Aug. 2	1100	55	55	4	.6
Sept. 30	-	50	32	3	.3
1700. Mill Creek near Salt Lake City					
Nov. 9, 1967	1030	39	9.5	12	.3
Dec. 20	1130	37	9.2	59	1.5
Jan. 23, 1968	1410	37	8.9	52	1.2
Feb. 21	-	39	9.7	51	1.3
Mar. 14	1445	45	9.5	41	1.0
Apr. 11	1110	46	12	28	.9
May 17	1140	45	20	12	.6
May 28[a]	1415	46	40	38	4.1
June 18	1305	48	40	32	3.5
July 5	1332	54	22	20	1.2
Aug. 2	1220	54	15	18	.7
Sept. 30	-	-	11	2	.1
1716. Parleys Creek at Suicide Rock, near Salt Lake City					
Nov. 9, 1967	1005	45	2.2	16	.1
Dec. 21	0905	39	2.3	15	.1
Jan. 23, 1968	1430	43	1.7	73	.3
Feb. 21	-	43	3.3	42	.4
Mar. 14	1500	48	4.2	43	.5
1716. Parleys Creek At Suicide Rock, near Salt Lake City--Continued					
Apr. 11, 1968	1130	52	6.9	39	.7
May 17	1125	48	9.6	15	.4
June 18	1340	54	11	12	.4
July 5	1340	59	6.1	7	.1
Aug. 2	1245	59	3.5	8	.1
1720. Emigration Creek near Salt Lake City					
Nov. 9, 1967	0930	43	1.3	33	.1
Dec. 21	1010	39	1.2	31	.1
Feb. 21, 1968	-	37	5.0	432	5.8
Mar. 14	1515	43	4.1	84	.9
Apr. 11	1210	48	16	177	7.6
May 17	1055	45	14	192	7.3
May 28[b]	1445	48	22	542	32
June 18	1400	55	12	197	6.4
July 5	1400	55	7.1	47	.9
Aug. 2	1310	57	3.5	46	.4
Sept. 30	-	48	1.8	38	.2
1722. Red Butte Creek at Fort Douglas, near Salt Lake City					
Nov. 19, 1967	1330	46	1.5	17	.1
Dec. 26	1045	35	2.1	83	.5
Feb. 1, 1968	1130	33	1.6	71	.3
Feb. 28	1045	36	3.2	42	.4
Apr. 3	1540	43	3.0	22	.2
Apr. 29	1040	45	4.6	7	.1
May 29[c]	1445	56	12	11	.4
June 6	1000	47	9.7	61	1.6
July 11	0925	54	3.3	38	.3
Aug. 1	1405	68	2.3	21	.1
Aug. 30	1235	58	1.9	43	.2
1724. City Creek above Wasatch Drive, near Salt Lake City					
Nov. 9, 1967	0850	43	1.2	7	T
Dec. 21	1045	38	1.3	6	T
Feb. 21, 1968	0900	41	2.1	19	.1
Mar. 14	1600	45	1.4	6	T
Apr. 11	1255	52	2.2	14	.1
May 17	1020	45	20	17	.9
May 29[d]	1405	-	33	20	1.8
June 18	1430	55	19	12	.6
July 5	1420	55	3.0	43	.4
Aug. 2	1330	57	1.5	8	T
Sept. 30	-	48	1.5	48	.2

Size analysis:

a - percent finer than 0.250 mm - 100, 0.125 mm - 94, 0.062 mm - 84, 0.004 mm - 26, 0.002 mm - 19.

b - percent finer than 0.250 mm - 100, 0.125 mm - 94, 0.062 mm - 70, 0.016 mm - 39, 0.004 mm - 26, 0.002 mm - 19.

c - percent finer than 0.125 mm - 100, 0.062 mm - 90, 0.004 mm - 41, 0.002 mm - 29.

d - percent finer than 0.500 mm - 100, 0.250 mm - 99, 0.125 mm - 98, 0.062 mm - 95, 0.004 mm - 52, 0.002 mm - 47.

Table 13.--Discharge measurements at miscellaneous sites

Measurements during water year, October 1967 to September 1968

Station No.	Stream	Location	Drainage area (sq.mi.)	Measurements	
				Date	Discharge (cfs)
1670 M	Rose Creek	NW¼NW¼ sec. 10, T. 4 S., R. 2 W., above diversion intake, 2 miles southwest of Herriman	-	4-30-68 6-20-68 7-26-68	0.9 .8 .7
1670 N	Corner Creek	NE¼SE¼ sec. 4, T. 4 S., R. 1 E., 2.4 miles southeast of Draper	-	5- 3-68 6-19-68 7-10-68 8-12-68	5.2 2.7 2.0 .7
1670 P	Draper Irrigation Company Ditch	NE¼SW¼ sec. 28, T. 3 S., R. 1 E., at 12300 South, 1 mile east of Draper	-	5- 3-68 6-19-68 7-10-68	1.0 32.9 15.5
1670 Q	Butterfield Creek	SE¼SW¼ sec. 31, T. 3 S., R. 2 W., 0.7 mile upstream from Utah Highway 111 and 3.6 miles southeast of Herriman	-	4-30-68 6-20-68	2.4 2.3
1670 R	Keystone Gulch	NE¼SE¼ sec. 29, T. 3 S., R. 2 W., at Utah Highway 111, 0.5 mile east of Lark	-	4-30-68 6-20-68	2.1 .7
1670 T	Bells Canyon Irrigation Company Ditch	NE¼NW¼ sec. 14, T. 3 S., R. 1 E., at Parshall flume in ditch near Granite	-	5- 3-68 8-13-68	1.5 2.3
1670 U	Draper Irrigation Company Ditch	SE¼SE¼ sec. 21, T. 3 S., R. 1 E., at Parshall flume in ditch, 1.7 miles northeast of Draper	-	7-10-68 8-13-68	21.9 5.1
1673 B	Brighton Canal	NW¼SW¼ sec. 1, T. 2 S., R. 1 W., at staff gage about 150 feet downstream from diversion structure on Jordan River, 1.2 miles northwest of Murray	-	7-15-68	27.0
1673 E	Outflow from Decker Pond	On east side on line between secs. 22 and 27, T. 1 S., R. 1 W., 0.3 mile west of Redwood Road and 2 miles northeast of Granger	-	11-15-67	14.4
1673 F	Inflow to Decker Pond	SE¼NE¼ sec. 28, T. 1 S., R. 1 W., at about 2200 West 3100 South, 1.5 miles northeast of Granger	-	11-15-67	2.5
1673 G	Inflow to Decker Pond	On line between secs. 21 and 28, T. 1 S., R. 1 W., 1.5 miles north-northeast of Granger	-	11-15-67	1.2
1675 G	North Despain Ditch	SW¼NE¼ sec. 12, T. 3 S., R. 1 E., at head	-	8-13-68	0.6
1675 I	Thompson Ditch	SW¼SW¼ sec. 2, T. 3 S., R. 1 E., about 0.5 mile west of Little Cottonwood Creek treatment plant	-	6-18-68	10.6
1675 J	Lym Ditch	SW¼SW¼ sec. 2, T. 3 S., R. 1 E., about 0.5 mile west of Little Cottonwood Creek treatment plant	-	6-18-68	9.8
1675 P	Diversion from Willow Creek	NE¼NW¼ sec. 1, T. 3 S., R. 1 E., above Wasatch Boulevard and near Little Cottonwood Creek treatment plant	-	5- 2-68 8-13-68	1.6 .4
1675 R	Willow Creek	SE¼NE¼ sec. 2, T. 3 S., R. 1 E., at bridge on Danish Road near Little Cottonwood Creek treatment plant	-	5- 2-68	2.8
1685 P	Hughes Creek	NE¼NE¼ sec. 23, T. 2 S., R. 1 E., above culvert on Wasatch Boulevard, 2.5 miles southeast of Holladay	-	5- 2-68 6- 6-68 6-19-68	5.6 4.4 .5
1685 R	Ferguson Creek	NE¼SW¼ sec. 25, T. 2 S., R. 1 E., above Wasatch Boulevard	-	6-19-68	1.5
1685 S	Tolcats Canyon	SW¼NE¼ sec. 14, T. 2 S., R. 1 E., at Wasatch Boulevard	-	5- 8-68 6- 6-68 6-20-68	.2 .2 .2
1717	Parleys Creek above 13th East	NE¼NE¼ sec. 20, T. 1 S., R. 1 E., in Sugar House Park about 100 ft upstream from 13th East Street	56.7	10-18-67 11- 9-67 5- 3-68 5-27-68 6- 3-68 6-11-68 7- 1-68 7-30-68 8-28-68 10- 3-68	.6 .1 80.6 106 45.7 96.4 11.1 .1 3.6 .7
1720 A	Mt. Olivet Ditch	NW¼NE¼ sec. 10, T. 1 S., R. 1 E., below culvert on road to This Is The Place Monument	-	8-13-68	1.9
1726.4	Lee Creek	At bridge on section line between secs. 35 and 36, T. 1 N., R. 3 W., and 5 miles northwest of Magna	-	1-26-68	2.3

Tables 14-61 show daily or monthly surface flows at the sites described. Underlined daily flows are maximum or minimum values for the month. Complex relations between flows in some areas are illustrated by figures 2-5.

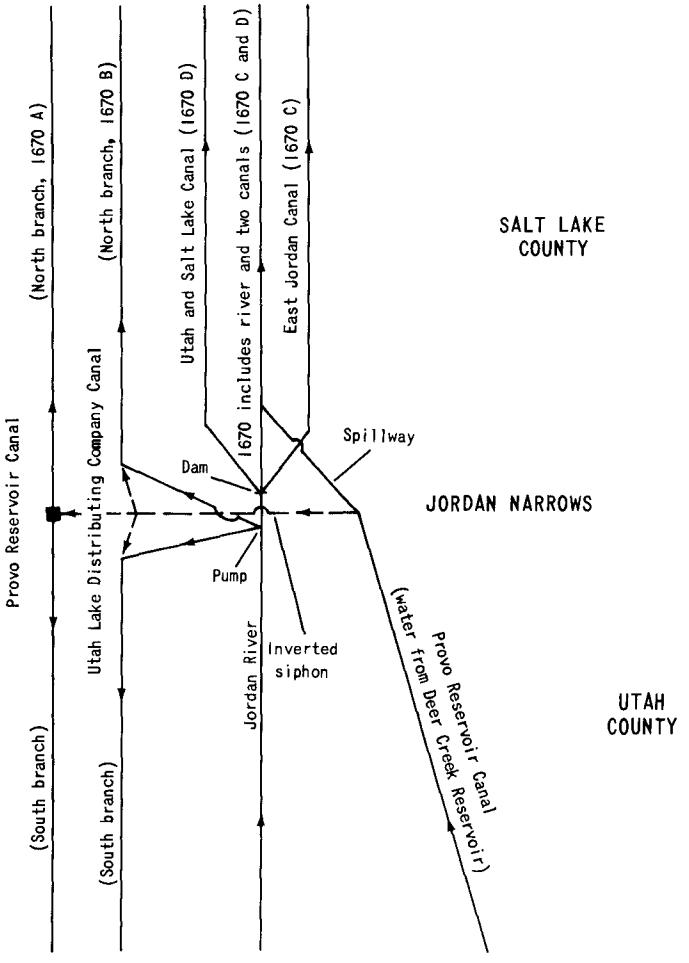

Figure 2.— Schematic diagram showing relation of flows in Jordan Narrows.

Table 14.--1590 A, 1670 A, B, 1726.5 C. Water imported to Salt Lake County

Imports.--Water from Deer Creek Reservoir, on the Provo River in Wasatch County, is delivered to Salt Lake County through the Salt Lake City aqueduct, and water from the Provo River below the reservoir is delivered to the north branch of Provo Reservoir Canal and the north branch of the Utah Lake Distributing Company Canal. The latter canal also delivered water pumped from the Jordan River above the diversion dam and stream-gaging station at Jordan Narrows. (See fig. 2.)

Water from three groups of springs (Dunne's Pond, Mill Pond, and Six Mile Creek) in Tooele County is delivered to Salt Lake County through Kennecott Copper Corporation's pipeline.

Locations.--The Salt Lake City aqueduct is a 69-inch pipeline that terminates at the Little Cottonwood Creek treatment plant. (See table 24.) The head of the north branch of the Provo Reservoir Canal is at the inverted-siphon outlet in the NE¼SW¼ sec. 26, T. 4 S., R. 1 W. The head of the north branch of the Utah Lake Distributing Company Canal is 400 feet southwest of the pumping plant in the NE¼NW¼ sec. 26, T. 4 S., R. 1 W. The pipeline from Tooele County terminates in the industrial complex near Garfield, T. 1 S., R. 3 W.

Records available.--May 1965 to September 1968 for pipeline, October 1963 to September 1968 for all others. Records of water delivered from Deer Creek Reservoir and Provo River for previous years are in files of the Metropolitan Water District of Salt Lake City and the Provo River Water Users Association. Records of water pumped from the Jordan River for previous years are in annual reports of the water commissioner for Utah Lake and Jordan River.

Cooperation.--Records of water from Deer Creek Reservoir, Provo River, and Jordan River furnished by the Metropolitan Water District of Salt Lake City, the Provo River Water Users Association, and the water commissioner for Utah Lake and Jordan River, Kennecott Copper Corporation furnished weekly gage readings for weirs measuring the spring flow at the head of the pipeline from Tooele County.

Monthly discharge, in acre-feet, water year October 1967 to September 1968

	Oct.	Nov.	Dec.	Calendar year 1967	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Water year 1968
1590 A. Salt Lake City aqueduct														
To users between county line and treatment plant	32	1	0	919	2	2	1	1	19	8	213	244	181	704
To treatment plant	645	681	507	13,140	471	394	405	694	597	230	2,000	1,170	979	8,770
Total	677	682	507	14,060	473	396	406	695	616	238	2,210	1,410	1,160	9,470

Note.--Total discharge does not include leakage from the aqueduct and spill to Little Cottonwood Creek of about 700 - 1,200 acre-feet per year.

1670 A. Provo Reservoir Canal (north branch)														
From Provo River	1,220	0	0	30,460	0	0	0	0	6,640	6,750	5,370	7,930	5,100	33,010
1670 B. Utah Lake Distributing Company Canal (north branch)														
From Provo River	554	0	0	6,060	0	0	0	0	1,140	1,090	1,140	1,090	1,100	6,110
From Jordan River	1,930	0	0	21,310	0	0	0	0	3,450	3,870	3,860	3,900	3,860	20,870
Total	2,480	0	0	27,370	0	0	0	0	4,590	4,960	5,000	4,990	4,960	26,980
1726.5 C. Kennecott Copper Corporation pipeline from Tooele County														
From springs	180	180	190	6,680	190	200	210	1,010	990	890	930	930	910	6,810

Note.--Only the flow from Six Mile Creek entered Salt Lake County during October-March. Discharge estimated.

Table 15.--1670. Jordan River at narrows, near Lehi

Location.--Lat 40°26'40", long 111°55'15", in SE¼NW¼ sec. 26, T. 4 S., R. 1 W., at narrows 5.5 miles northwest of Lehi and 7.5 miles downstream from Utah Lake.

Drainage area.--3,000 sq mi, approximately, including 255 sq mi in closed basin in Cedar Valley, Utah County.

Records available.--May to December 1904, July 1913 to September 1968. May to December 1904, July 1913 to September 1960 in annual series of Water-Supply Papers of the U.S. Geological Survey, with monthly summaries in WSP 1314 and 1734. October 1960 to September 1968 in Surface Water Records of Utah, published annually.

Gage.--Water-stage recorder. Altitude of gage is 4,470 ft (barometer). Prior to May 16, 1920, staff gage; May 16, 1920, to Sept. 30, 1934, water-stage recorder, at outlet of Utah Lake 7.5 miles upstream at different datum.

Average discharge.--55 years (1913-68) 350 cfs (253,400 acre-ft per year).

Extremes.--1904, 1913-68: Maximum daily discharge, 1,410 cfs June 10, 1952; no flow at times when gates were closed.

Remarks.--Records good. Figures given herein represent the combined flow of Jordan River, Utah and Salt Lake Canal, and East Jordan Canal. See table 14 for record of additional flow from Utah Lake to Salt Lake County. (See fig. 5.) Flow may be regulated by gates and pumps at the outlet of Utah Lake, pumps at Pelican Point, and the diversion dam at narrows.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	375	27	20	24	26	36	42	458	612	699	711	634
2	334	27	21	24	26	33	44	443	623	720	743	631
3	324	28	21	24	26	29	55	440	633	784	753	633
4	345	29	21	24	26	26	115	395	624	792	763	664
5	364	30	21	24	26	23	112	400	495	764	742	641
6	344	30	22	24	26	22	217	383	416	770	746	636
7	345	30	24	24	26	24	415	521	458	798	741	633
8	340	29	24	24	26	28	434	539	423	783	711	630
9	341	29	24	24	26	36	445	618	349	792	692	632
10	343	28	23	24	26	35	440	645	358	790	680	660
11	349	27	23	24	26	36	451	669	362	803	688	650
12	337	27	23	24	26	30	390	646	415	807	695	626
13	305	27	23	24	26	26	363	609	462	797	684	617
14	132	27	23	24	26	23	454	579	551	797	650	610
15	37	28	23	24	26	23	454	523	604	784	638	576
16	34	28	23	25	26	126	400	478	590	798	624	582
17	31	29	23	25	26	372	360	486	604	773	592	615
18	30	28	23	25	28	368	401	560	623	782	563	613
19	28	28	23	25	41	326	442	583	642	804	506	617
20	33	28	23	25	41	335	423	578	648	798	468	552
21	36	28	23	25	38	365	457	613	682	793	481	479
22	39	28	23	25	47	378	412	592	687	776	479	492
23	40	28	23	25	57	382	465	381	669	629	439	513
24	41	28	23	25	56	378	473	279	651	619	425	539
25	41	28	23	25	54	368	473	278	662	607	423	548
26	41	27	23	25	54	329	466	275	662	633	428	548
27	41	27	23	25	53	386	449	309	675	702	488	541
28	39	27	23	25	45	339	477	368	673	710	536	538
29	33	27	23	25	37	74	471	459	655	710	601	544
30	30	27	23	25	----------	36	517	534	675	709	601	498
31	25	----------	23	25	----------	42	----------	591	----------	626	602	----------
Total	5,177	839	704	760	993	5,034	11,117	15,232	17,183	23,149	18,893	17,692
Mean	167	28.0	22.7	24.5	34.2	162	371	491	573	747	609	590
Ac-ft	10,270	1,660	1,400	1,510	1,970	9,980	22,050	30,210	34,080	45,920	37,470	35,090

Calendar year 1967: Max 802 Min 20 Mean 292 Ac-ft 211,100
Water year 1967-68: Max 807 Min 20 Mean 319 Ac-ft 231,600

Table 16.--1670 C-K, 1673 B. Diversions from Jordan River between Jordan Narrows and the Surplus Canal

Locations.--East Jordan Canal (1670 C) diverts from the right bank and the Utah and Salt Lake Canal (1670 D) diverts from the left bank in SE¼NW¼ sec. 26, T. 4 S., R. 1 W. South Jordan Canal (1670 E) and the Jordan and Salt Lake City Canal (1670 F) divert through a common heading on the right bank in NE¼SE¼ sec. 22, T. 4 S., R. 1 W. South Jordan Canal crosses to the left bank about 0.3 mile downstream. Mousley Canal (1670 G) diverts from the right bank in NE¼NE¼ sec. 15, T. 4 S., R. 1 W. Galena Canal (1670 H) diverts from the right bank in SE¼NE¼ sec. 2, T. 4 S., R. 1 W. Beckstead Ditch (1670 I) diverts from the left bank in SE¼SW¼ sec. 26, T. 3 S., R. 1 W. North Jordan Canal (1670 K) diverts from the left bank in NE¼NW¼ sec. 11, T. 3 S., R. 1 W., and Gardner Mill Race (1670 J) diverts from this canal in NE¼NW¼ sec. 35, T. 2 S., R. 1 W., above the measuring weir. Brighton Canal (1673 B) diverts from the left bank in NW¼SW¼ sec. 1, T. 2 S., R. 1 W.

Records available.--Records of combined flow in 10 canals for October 1963 to September 1965 and in the upper nine canals for October 1965 to September 1968 in Utah basic-data releases. Records of daily flows of the principal canals in annual reports of the water commissioner for Utah Lake and Jordan River.

Extremes.--1963-68: Maximum daily discharge, 940 cfs Aug. 22, 1967 and July 19, 1968; minimum daily, 8 cfs Mar. 17, 1968.

Remarks.--The discharge shown is the sum of the first nine diversions described above, all of which are above the gaging station at 9400 South (see table 17). Diversions from the South Jordan Canal to the Utah-Idaho Sugar Company and from Galena Canal to the United States Smelting Refining and Mining Company are not included because most of this water returns to the Jordan River.

There are no diversions between the stations at 9400 South and 5800 South (see table 18). Below 5800 South, Brighton Canal diverts amounts ranging from 0 to about 40 cfs during the irrigation season. No records are available.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	484	86	70	65	68	113	106	268	699	874	836	749
2	429	84	70	67	62	110	108	310	709	904	874	748
3	423	82	70	66	62	106	122	329	734	906	882	750
4	446	88	68	65	62	104	169	382	726	915	897	769
5	465	86	67	65	61	101	165	387	604	885	870	747
6	443	80	67	65	61	100	103	464	511	884	880	755
7	443	86	67	64	60	105	102	592	548	921	878	748
8	443	86	68	64	58	99	105	600	531	905	845	743
9	423	85	68	65	58	77	105	680	450	911	830	742
10	447	84	66	65	64	58	105	695	452	904	810	773
11	452	80	66	63	65	55	105	687	457	923	818	761
12	440	77	66	64	65	50	101	694	513	931	828	736
13	398	77	66	64	65	45	107	690	560	931	815	733
14	228	78	66	53	65	42	124	666	648	928	791	728
15	127	81	66	54	66	42	130	619	702	914	774	694
16	112	79	66	53	66	24	115	601	687	939	762	702
17	107	79	66	53	67	8	112	606	693	907	729	733
18	103	82	65	54	67	33	126	663	730	909	694	725
19	101	82	65	62	69	26	129	685	750	940	639	730
20	104	77	67	60	68	28	129	679	742	927	594	672
21	105	77	68	61	68	32	131	722	785	925	599	605
22	109	77	67	63	67	33	128	705	796	901	600	607
23	26	77	65	65	66	35	130	490	777	747	559	630
24	29	77	66	68	66	37	130	365	762	725	541	652
25	28	78	68	68	66	41	131	362	770	713	538	659
26	63	78	68	71	65	46	131	354	777	741	543	659
27	99	78	68	72	64	48	142	389	791	820	583	657
28	95	78	68	72	63	40	157	426	788	826	663	641
29	103	78	68	72	62	49	180	515	777	829	739	646
30	95	79	67	72	----------	62	212	608	795	829	738	592
31	89	----------	67	71	----------	103	----------	639	----------	851	742	----------
Total	7,459	2,416	2,080	1,986	1,866	1,852	3,840	16,872	20,264	27,165	22,891	21,086
Mean	241	80.5	67.1	64.1	64.4	59.7	128	544	675	876	738	703
Ac-ft	14,790	4,790	4,130	3,940	3,700	3,670	7,620	33,470	40,190	53,880	45,400	41,820

Calendar year 1967: Max 940 Min 26 Mean 367 Ac-ft 265,500
Water year 1967-68: Max 940 Min 8 Mean 355 Ac-ft 257,400

Table 17.--1672. Jordan River at 9400 South, near South Jordan

Location.--Lat 40°34'50", long 111°55'07", on line between secs. 2 and 11, T. 3 S., R. 1 W., about 300 feet downstream from diversion dam at head of North Jordan Canal, and 1.3 miles northeast of South Jordan.

Drainage area.--3,130 sq mi, approximately; (including 255 sq mi in closed basin in Cedar Valley, Utah County).

Records available.--July 1965 to September 1968.

Gage.--Water-stage recorder. Altitude of gage is 4,300 ft (from topographic map).

Extremes.--1965-1968: Maximum daily discharge, 401 cfs Mar. 18, 1968; minimum daily, about 0.5 cfs Mar. 11-14, 1967.

Remarks.--Records fair. Flow is regulated by gates at diversion structure 300 feet upstream. Many diversions above the station for irrigation and municipal and industrial supplies.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23	2.9	4.2	3.8	10	12	6.6	220	5.0	13	15	10
2	26	2.9	4.2	3.8	4.8	10	7.6	181	5.2	18	18	14
3	22	2.9	4.2	3.8	4.8	8.6	7.6	141	5.8	20	19	12
4	21	2.9	4.2	3.8	4.5	6.3	5.2	32	5.8	26	20	7.6
5	20	3.1	4.2	4.0	4.5	5.8	5.0	6.0	7.0	27	19	11
6	22	3.1	4.2	3.3	4.5	5.2	80	4.5	4.8	23	19	12
7	26	2.9	4.2	3.5	4.5	7.6	356	3.5	3.5	23	14	12
8	24	2.9	4.0	3.5	4.5	8.2	363	3.5	5.5	22	12	10
9	24	2.9	4.0	3.3	4.8	18	382	3.8	6.0	18	18	14
10	22	2.9	3.8	3.3	7.9	18	382	5.0	6.6	20	16	12
11	15	2.7	4.0	3.3	8.2	14	387	5.0	7.0	19	16	15
12	16	2.7	3.5	3.3	7.9	11	356	5.5	6.0	21	20	23
13	18	2.7	3.1	3.1	8.6	11	257	5.8	6.0	22	22	17
14	16	2.7	2.9	3.1	8.6	12	345	6.0	6.3	20	22	17
15	7.0	2.9	2.9	3.1	7.6	9.6	361	5.8	7.3	17	22	22
16	5.5	3.1	3.3	2.9	7.9	67	340	6.0	7.6	17	21	26
17	4.5	3.1	3.5	2.9	8.9	396	267	5.8	9.2	15	23	32
18	4.0	3.1	3.5	4.2	11	401	291	5.5	9.2	15	28	27
19	3.8	3.1	3.8	6.0	16	370	324	6.0	12	11	26	26
20	3.8	4.8	3.5	5.8	18	354	326	6.6	9.6	10	22	26
21	3.5	6.3	3.1	5.8	20	375	358	7.0	7.3	14	20	27
22	3.5	5.2	3.3	5.5	23	387	329	7.6	6.0	24	28	25
23	3.3	4.8	3.5	5.5	27	392	336	32	6.6	33	25	25
24	3.1	4.5	3.3	5.8	25	382	368	24	8.6	16	22	24
25	3.1	3.8	3.3	6.6	24	384	365	22	8.2	12	18	25
26	3.1	3.5	3.8	11	23	342	363	10	10	8.2	19	27
27	3.1	3.8	5.0	16	26	370	342	5.8	7.9	9.2	19	26
28	2.9	3.8	5.2	18	21	375	338	5.5	7.0	10	16	18
29	2.9	3.8	4.8	18	14	118	317	5.5	8.2	11	11	14
30	2.7	4.0	4.2	18	----------	17	278	5.5	12	12	12	19
31	2.7	----------	4.0	15	----------	5.8	----------	5.2	----------	14	12	----------
Total	357.5	103.8	118.7	199.0	360.5	4,893.1	8,243.0	788.4	217.2	540.4	594	575.6
Mean	11.5	3.46	3.83	6.42	12.4	157	275	25.4	7.24	17.4	19.2	19.2
Ac-ft	709	206	235	394	715	9,710	16,350	1,560	431	1,070	1,180	1,140

Calendar year 1967: Max 172 Min about 0.5 Mean 10.7 Ac-ft 7,750
Water year 1967-68: Max 401 Min 2.7 Mean 46.4 Ac-ft 33,700

Table 18.--1673. Jordan River at 5800 South, near Murray

Location.--Lat 40°38'43", long 111°55'18", in NE¼SW¼ sec. 14, T. 2 S., R. 1 W., at bridge at 5800 South, and 2.3 miles southwest of Murray.

Drainage area.--3,240 sq mi, approximately; (including 255 sq mi in closed basin in Cedar Valley, Utah County).

Records available.--July 1965 to September 1968.

Gage.--Water-stage recorder. Altitude of gage is 4,260 ft (from topographic map).

Extremes.--1965-68: Maximum daily discharge, 503 cfs Mar. 9, 1966; minimum daily, 68 cfs Apr. 17, 1966.

Remarks.--Records fair. Flow is affected by diversion structure at head of North Jordan Canal. Many diversions above the gage for irrigation and municipal and industrial supplies.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	182	136	136	134	128	143	108	319	123	123	162	148
2	182	135	135	136	117	141	124	294	116	123	173	152
3	180	136	135	134	117	138	120	239	119	140	182	148
4	175	135	135	126	117	136	109	120	130	166	190	146
5	170	136	132	130	116	134	108	75	169	159	180	148
6	200	135	134	135	116	130	171	71	169	146	164	152
7	230	135	135	130	116	140	412	73	164	150	157	159
8	220	135	136	132	116	140	423	73	200	153	169	155
9	220	135	134	135	116	164	440	73	208	148	190	160
10	210	135	136	138	123	164	437	77	200	157	186	160
11	182	132	135	138	123	153	440	90	204	171	198	169
12	179	132	134	135	124	146	429	102	194	171	202	179
13	179	134	129	135	129	146	353	112	186	168	198	171
14	182	130	129	135	126	145	407	126	181	173	204	171
15	159	130	132	134	124	141	423	143	194	159	192	169
16	146	130	134	132	124	160	418	141	179	160	184	179
17	141	132	134	130	128	432	369	135	169	153	216	190
18	143	132	122	124	132	452	385	135	157	157	243	194
19	141	129	122	124	140	446	398	146	150	153	243	184
20	140	135	124	123	148	429	418	134	135	148	216	196
21	136	140	122	126	157	440	440	129	126	160	202	202
22	136	140	116	126	160	446	423	138	119	234	267	192
23	135	140	122	126	164	458	415	274	115	271	250	196
24	134	140	122	128	162	452	440	221	124	219	223	190
25	132	140	122	130	160	452	434	181	152	188	214	190
26	132	140	126	129	166	423	432	162	123	181	208	186
27	134	143	129	136	169	434	423	146	117	159	206	177
28	136	140	132	136	157	446	407	130	115	159	200	166
29	138	140	134	134	145	250	396	129	117	159	177	168
30	135	135	132	132	----------	159	366	128	119	164	157	179
31	135	----------	130	132	----------	119	----------	130	----------	162	157	----------
Total	5,044	4,067	4,030	4,075	3,920	8,159	10,668	4,446	4,574	5,134	6,110	5,176
Mean	163	136	130	131	135	263	356	143	152	166	197	173
Ac-ft	10,000	8,070	7,990	8,080	7,780	16,180	21,160	8,820	9,070	10,180	12,120	10,270

Calendar year 1967: Max 278 Min 76 Mean 131 Ac-ft 94,930
Water year 1967-68: Max 458 Min 71 Mean 179 Ac-ft 129,700

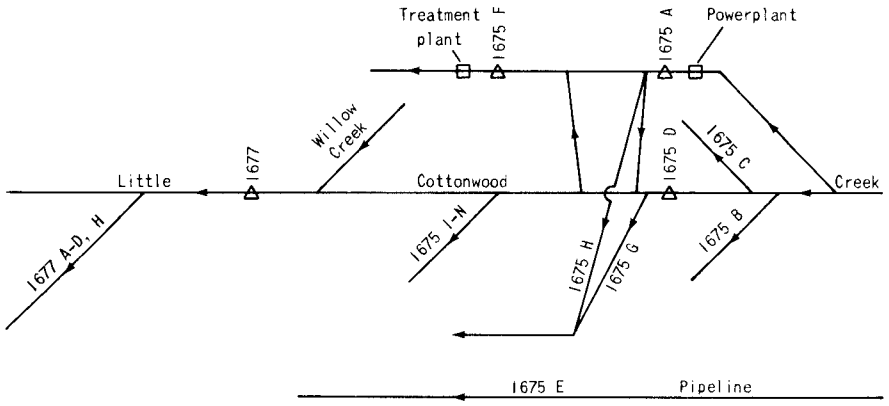

Figure 3.—Schematic diagram showing relation of flows in Little Cottonwood Creek basin. Diversions represented by 1675 I-N and 1677 A-D, H include those from both sides of the creek. Canals 1677 A-D at times are supplied with water from the East Jordan and the Jordan and Salt Lake City Canals.

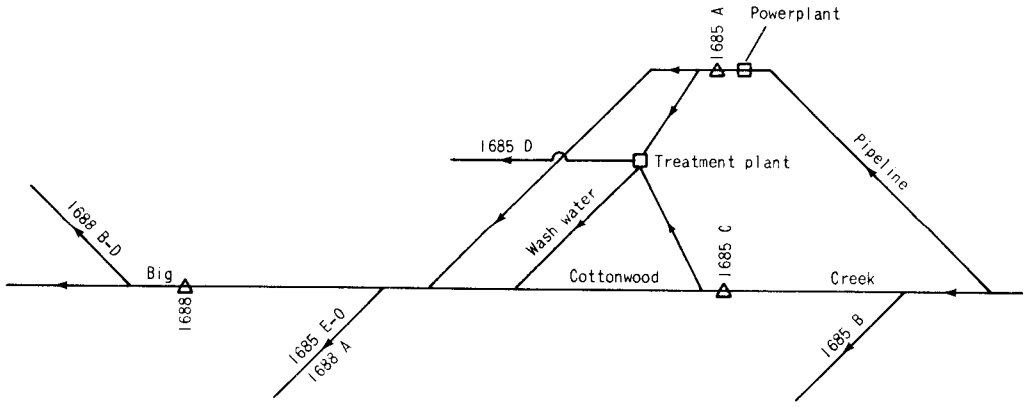

Figure 4.—Schematic diagram showing relation of flows in Big Cottonwood Creek basin. Diversions represented by 1685 E-O and 1688 A include those from both sides of the creek. At times they are supplied with water from the East Jordan Canal and well (D-2-1)14ccd-2. Canals 1688 B-D at times are supplied with water from the Jordan and Salt Lake City Canal.

Table 19.--1675. Little Cottonwood Creek near Salt Lake City

Locations.--Lat 40°34'40", long 111°47'50", in NE¼NE¼ sec. 11, T. 3 S., R. 1 E., at mouth of canyon, 100 ft west of Wasatch Drive, 2 miles downstream from Wasatch Resort, and 14 miles southeast of Salt Lake City.

Drainage area.--27.4 sq mi.

Records available.--October 1898 to September 1968 (record intermittent prior to 1912). Monthly discharge only for October 1898 to September 1960 published in WSP 1314 and 1734. Records for October 1960 to September 1963 in the files of the Salt Lake City Water Department.

Gage.--Water-stage recorder and Parshall flume on the creek and separate weirs or rated gates on pipelines and ditches that bypass the flume.

Extremes.--1912-13, 1915-68: Maximum daily discharge, 762 cfs June 11, 1921; minimum daily, 3.0 cfs Dec. 26, 1966.

Remarks.--Some storage and regulation in several small lakes and reservoirs. Two diversions for irrigation above the station, one of which carries water past the station. Diversions above the station for powerplant and municipal water supply. Discharge is the combined discharge of Murray City powerplant pipeline (1675 A), irrigation diversions (1675 B, C), Little Cottonwood Creek (1675 D), and Beaver Pond Springs pipeline (1675 E). (See fig. 3 and tables 20-23.)

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	19	15	13	12	15	38	48	317	175	63	52
2	29	19	13	14	14	15	41	57	398	182	60	48
3	25	18	14	13	13	15	40	69	512	197	59	45
4	27	19	14	12	13	16	32	83	529	215	72	43
5	25	18	14	13	13	14	34	110	510	215	62	43
6	28	18	13	13	13	13	32	108	457	203	61	49
7	25	18	15	13	13	13	30	90	375	201	63	52
8	25	17	14	13	13	13	24	90	324	199	63	49
9	28	17	12	13	13	14	22	104	263	191	62	49
10	29	17	14	13	13	13	23	112	218	181	58	46
11	21	17	14	12	13	14	24	120	228	152	54	47
12	21	17	14	12	13	17	26	122	310	142	49	43
13	20	16	11	13	14	17	26	115	389	134	49	42
14	20	16	14	13	13	17	26	104	375	128	58	41
15	20	16	14	12	12	17	30	89	358	121	52	40
16	21	16	14	12	13	17	33	79	384	111	49	39
17	21	16	14	12	13	18	33	74	419	102	67	38
18	22	16	14	11	13	18	32	74	470	95	60	38
19	20	17	14	12	13	18	31	84	451	94	66	38
20	20	16	14	12	15	18	31	127	439	89	61	37
21	20	17	14	12	15	18	29	188	412	85	61	35
22	20	16	14	12	15	18	28	199	381	86	84	40
23	19	16	14	12	15	18	27	157	396	100	87	40
24	19	16	13	12	15	18	27	129	394	85	83	30
25	18	17	14	12	15	18	26	114	359	82	76	32
26	20	17	15	12	14	18	26	108	316	80	71	31
27	20	15	14	12	15	18	26	122	318	73	66	30
28	25	15	14	12	16	20	27	159	329	71	62	29
29	15	15	13	12	14	21	26	243	284	69	59	28
30	16	15	14	12	----------	24	34	283	202	65	57	26
31	18	----------	13	12	----------	28	----------	309	----------	64	57	----------
Total	682	502	427	383	396	531	884	3,870	11,117	3,987	1,951	1,200
Mean	22.0	16.7	13.8	12.4	13.7	17.1	29.5	125	371	129	62.9	40.0
Ac-ft	1,350	996	847	760	785	1,050	1,750	7,680	22,050	7,910	3,870	2,380

Calendar year 1967: Max 467 Min 6.9 Mean 70.5 Ac-ft 51,010
Water year 1967-68: Max 529 Min 11 Mean 70.8 Ac-ft 51,430

Table 20.--1675 A. Murray City powerplant pipeline above Little Cottonwood Creek treatment plant, near Salt Lake City

Location.--In NE¼SW¼ sec. 2, T. 3 S., R. 1 E., immediately below the Murray City powerplant, and 13.5 miles southeast of Salt Lake City.

Records available.--October 1963 to September 1968. Records for previous years in the files of the Salt Lake City Water Department.

Gage.--Totalizing meters on the diversion to the Little Cottonwood Creek water treatment plant, 4-foot Lyman weir on the Sandy siphon (1675 H), and 24-inch rated gate on the Farmers pipeline.

Extremes.--1963-68: Maximum daily discharge, about 37 cfs (capacity of pipeline) in most years; no flow Dec. 26, 1966.

Remarks.--Water diverted from Little Cottonwood Creek in NE¼SW¼ sec. 8, T. 3 S., R. 2 E. (unsurveyed), about 3.5 miles upstream. Most of the flow is delivered to the treatment plant but at times part of the flow is diverted into the Sandy siphon (1675 H) and (or) the Farmers pipeline, which returns water to the creek. (See fig. 3 and tables 24, 25.)

Cooperation.--Record derived from data furnished by the Salt Lake City Water Department and the Metropolitan Water District of Salt Lake City.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	15	12	10	10	13	35	32	34	34	34	30
2	21	15	10	11	11	13	35	32	34	34	34	28
3	20	14	11	10	10	13	36	32	34	34	34	25
4	22	15	11	9.3	10	14	29	32	34	34	34	34
5	20	14	11	10	10	12	31	32	18	34	34	27
6	20	14	10	10	10	11	29	32	34	34	34	27
7	20	14	12	10	10	11	27	32	34	34	34	30
8	20	14	11	10	10	11	21	32	34	34	34	27
9	20	14	9.7	9.9	9.9	12	19	32	34	34	34	27
10	21	14	12	10	9.9	11	20	32	34	34	32	25
11	16	14	11	9.3	10	12	21	32	34	34	30	28
12	16	14	11	8.9	10	15	23	32	34	34	27	24
13	15	13	8.1	10	11	15	23	32	34	34	27	24
14	15	13	11	10	10	15	23	32	34	34	32	26
15	15	13	11	9.8	9.7	15	23	32	34	34	30	25
16	16	13	11	9.7	10	15	29	32	34	34	29	24
17	16	13	11	9.6	10	15	29	32	34	34	34	24
18	17	13	11	8.6	10	15	28	32	34	34	34	26
19	16	14	11	9.7	10	15	27	32	34	34	34	26
20	16	13	11	9.5	12	15	24	32	34	34	34	24
21	16	14	11	9.5	12	15	22	32	34	34	34	21
22	15	13	11	9.4	12	15	23	32	34	34	34	28
23	15	13	11	9.4	12	15	22	32	34	34	34	29
24	15	13	10	9.6	12	15	22	32	34	34	34	20
25	14	14	11	9.4	12	16	22	32	34	34	34	22
26	15	14	12	9.4	11	16	22	32	34	34	34	22
27	15	12	11	10	12	15	21	32	34	34	34	22
28	19	12	11	9.6	13	17	22	32	34	34	34	22
29	11	12	10	10	12	19	21	32	34	34	34	21
30	12	12	11	10	----------	22	28	32	34	34	34	21
31	14	----------	10	10	----------	25	----------	32	----------	34	34	----------
Total	523	405	335.8	301.6	311.5	458	757	992	1,004	1,054	1,023	749
Mean	16.9	13.5	10.8	9.73	10.7	14.8	25.2	32.0	33.5	34.0	33.0	25.0
Ac-ft	1,040	803	666	598	618	908	1,500	1,970	1,990	2,090	2,030	1,490

Calendar year 1967 : Max 36 Min 4.3 Mean 19.3 Ac-ft 13,990
Water year 1967-68 : Max 36 Min 8.1 Mean 21.6 Ac-ft 15,700

Table 21.--1675 B, C. Irrigation diversions from Little Cottonwood Creek above the gage (1675 D)

Location.--South Despain Ditch (1675 B) diverts from the left bank in NE¼SE¼ sec. 12, T. 3 S., R. 1 E. North Despain Ditch (1675 C) diverts from the right bank in SW¼NE¼ sec. 12, T. 3 S., R. 1 E.

Records available.--October 1963 to September 1968. Records of individual diversions for previous years in the files of the Salt Lake City Water Department.

Extremes.--1963-68: Maximum daily discharge, 19 cfs July 3, 1965; no flow Apr. 1-19, 1965, and Sept. 30, 1968.

Remarks.--The record herein is the combined discharge of the two diversions described above.

Cooperation.--Records of individual diversions furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	4.2	14	13	2.9	2.9
2	.2	.2	.2	.2	.2	.2	.2	1.2	12	14	3.1	2.4
3	.2	.2	.2	.2	.2	.2	.2	.6	12	9.8	2.9	3.4
4	.2	.2	.2	.2	.2	.2	.2	1.3	16	11	2.9	2.4
5	.2	.2	.2	.2	.2	.2	.2	1.2	17	12	3.1	2.4
6	.2	.2	.2	.2	.2	.2	.2	1.0	18	11	2.9	2.5
7	.2	.2	.2	.2	.2	.2	.2	2.9	15	11	2.9	2.5
8	.2	.2	.2	.2	.2	.2	.2	3.4	14	11	2.9	2.4
9	.2	.2	.2	.2	.2	.2	.2	3.1	13	11	3.4	2.4
10	.2	.2	.2	.2	.2	.2	.2	3.5	12	9.6	2.9	2.4
11	.2	.2	.2	.2	.2	.2	.2	4.8	11	10	2.9	2.4
12	.2	.2	.2	.2	.2	.2	.2	4.2	13	6.5	2.8	2.4
13	.2	.2	.2	.2	.2	.2	.2	4.6	14	6.9	2.8	2.4
14	.2	.2	.2	.2	.2	.2	.2	5.3	14	6.9	2.9	2.4
15	.2	.2	.2	.2	.2	.2	.6	3.6	13	5.8	2.8	2.4
16	.2	.2	.2	.2	.2	.2	.6	3.4	14	6.2	2.8	2.4
17	.2	.2	.2	.2	.2	.2	.6	3.6	15	5.0	2.8	2.4
18	.2	.2	.2	.2	.2	.2	.6	3.4	14	4.7	2.8	2.4
19	.2	.2	.2	.2	.2	.2	.6	4.1	15	5.3	2.4	2.4
20	.2	.2	.2	.2	.2	.2	.6	3.5	13	5.2	2.8	2.4
21	.2	.2	.2	.2	.2	.2	.6	3.0	14	5.2	2.9	2.4
22	.2	.2	.2	.2	.2	.2	.6	6.7	15	4.4	2.9	2.4
23	.2	.2	.2	.2	.2	.2	.6	6.7	15	5.5	2.9	2.5
24	.2	.2	.2	.2	.2	.2	.6	5.6	15	4.1	2.9	2.3
25	.2	.2	.2	.2	.2	.2	.2	5.4	13	4.0	2.9	2.3
26	.2	.2	.2	.2	.2	.2	.2	5.2	14	2.6	3.7	2.1
27	.2	.2	.2	.2	.2	.2	.6	7.2	14	2.9	2.9	1.5
28	.2	.2	.2	.2	.2	.2	.6	9.4	14	2.9	2.9	1.3
29	.2	.2	.2	.2	.2	.2	.6	9.6	15	2.8	2.8	1.2
30	.2	.2	.2	.2	----------	.2	.6	11	14	2.9	2.8	0
31	.2	----------	.2	.2	----------	.2	----------	8.4	----------	2.8	2.8	----------
Total	6.2	6.0	6.2	6.2	5.8	6.2	11.6	140.9	422	216.0	90.1	67.7
Mean	0.20	0.20	0.20	0.20	0.20	0.20	0.39	4.55	14.1	6.97	2.91	2.26
Ac-ft	12	12	12	12	12	12	23	279	837	428	179	134

Calendar year 1967: Max 18 Min 0.2 Mean 3.08 Ac-ft 2,220
Water year 1967-68: Max 18 Min 0 Mean 2.69 Ac-ft 1,950

Table 22.--1675 D. Little Cottonwood Creek (channel only) near Salt Lake City

Location.--Lat 40°34'40", long 111°47'50", in NE¼NE¼ sec. 11, T. 3 S., R. 1 E., at mouth of canyon 100 ft west of Wasatch Drive, 2 miles downstream from Wasatch Resort, and 14 miles southeast of Salt Lake City.

Records available.--October 1963 to September 1968. Records for previous years in the files of the Salt Lake City Water Department.

Gage.--Water-stage recorder and Parshall flume. Altitude of the gage is 5,080 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 475 cfs June 4, 1968; no flow Jan. 1 to April 20, 1964.

Remarks.--Diversions to Murray City powerplant pipeline (1675 A) and two irrigation ditches (1675 B, C) above the gage. Water in pipeline and one of the irrigation ditches bypasses this station. Water in the Beaver Pond Springs pipeline also bypasses this station. (See fig. 3.)

Cooperation.--Gage-height record furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.7	1.2	1.2	0.6	0.6	0.2	0.8	9.0	265	124	21	15
2	4.5	1.2	1.2	.6	.6	.2	3.7	21	348	130	18	13
3	1.4	1.2	1.0	.6	.6	.2	1.7	34	462	149	17	12
4	1.4	1.2	1.0	.6	.6	.2	.8	47	475	166	31	12
5	1.4	1.2	1.0	.6	.6	.2	.6	74	471	166	20	9.5
6	4.5	1.2	1.0	.6	.6	.2	.6	72	401	154	19	15
7	1.4	1.2	.8	.6	.6	.4	.6	53	322	152	21	15
8	1.4	1.0	.8	.6	.6	.2	.6	52	272	150	21	15
9	4.5	1.0	.6	.6	.6	.4	.6	66	213	141	20	15
10	4.5	1.0	.6	.6	.6	.4	.6	74	169	132	18	14
11	1.7	1.0	.8	.6	.6	.4	.6	81	180	103	17	12
12	1.4	1.2	.8	.6	.6	.4	.6	83	260	96	15	12
13	1.4	1.2	.8	.6	.6	.4	.6	76	338	88	15	11
14	1.2	1.2	.8	.6	.6	.4	.6	64	324	82	19	9.0
15	1.2	1.0	.8	.6	.6	.4	3.7	51	308	76	15	9.0
16	1.2	1.0	.8	.6	.6	.4	.8	41	333	66	13	9.0
17	1.4	1.0	.8	.6	.6	.6	.8	35	367	58	26	8.5
18	1.4	1.0	.8	.6	.6	.6	.8	35	419	51	19	6.5
19	1.2	1.0	.8	.6	.6	.6	1.2	45	399	50	26	5.7
20	1.2	1.0	.8	.6	.6	.6	4.1	88	389	45	20	6.9
21	1.2	1.2	.8	.6	.6	.6	3.7	150	361	41	20	7.7
22	1.4	1.0	.8	.6	.6	.6	2.6	157	329	43	43	6.1
23	1.2	1.0	.8	.6	.6	.6	1.7	115	344	56	46	4.9
24	1.2	1.0	.8	.6	.6	.6	1.7	88	342	42	42	4.5
25	1.4	1.0	.8	.6	.6	.6	1.7	73	309	39	35	3.7
26	1.4	1.0	1.0	.6	.6	.6	1.7	68	265	36	29	3.3
27	1.4	1.0	.8	.6	.6	.6	2.0	80	267	31	25	2.6
28	1.4	1.0	.6	.6	.4	.6	2.0	114	277	29	21	2.3
29	1.4	1.0	.6	.6	.2	.4	1.7	198	231	27	18	2.0
30	1.2	1.0	.6	.4	----------	.6	2.3	237	150	23	16	2.0
31	1.2	----------	.6	.4	----------	.8	----------	265	----------	22	16	----------
Total	54.4	32.2	25.4	18.2	16.8	14.0	45.5	2,646.0	9,590	2,568	702	264.2
Mean	1.75	1.07	0.82	0.59	0.58	0.45	1.52	85.4	320	82.8	22.6	8.81
Ac-ft	108	64	50	36	33	28	90	5,250	19,020	5,090	1,390	524

Calendar year 1967: Max 425 Min 0.2 Mean 45.3 Ac-ft 32,750
Water year 1967-68: Max 475 Min 0.2 Mean 43.7 Ac-ft 31,680

Table 23.--1675 E. Beaver Pond Springs pipeline near Salt Lake City

Location.--In NE¼NE¼ sec. 11, T. 3 S., R. 1 E., about 100 feet south of gage on Little Cottonwood Creek (1675 D) and 100 ft west of Wasatch Drive.

Records available.--October 1963 to September 1968. Records for previous years in the files of the Salt Lake City Water Department.

Gage.--Thirty-inch Cipolletti weir.

Extremes.--1963-68: Maximum daily discharge, 5.2 cfs July 23-31, 1965; no flow May 3-5, 1967.

Remarks.--Records show water pumped to water-supply system for Midvale, Sandy City, and the Union and Jordan Irrigation Company from four wells (D-3-1)12acd-1, 12adc-1, 12bdc-1, and 12cab-1. A small diversion from the pipeline above the weir serves the village of Granite. The springs practically ceased flowing and were abandoned in August 1963. The quantity of water pumped is somewhat greater than the natural spring flow.

Cooperation.--Record furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	2.7	2.0	1.9	1.7	1.7	1.9	2.6	3.6	4.2	4.8	4.4
2	3.4	2.7	2.0	1.9	1.7	1.7	1.9	2.6	3.6	4.2	4.8	4.4
3	3.4	2.6	2.0	1.9	1.8	1.7	1.8	2.6	3.6	4.2	4.7	4.4
4	3.4	2.6	2.0	1.9	1.8	1.7	1.8	2.6	3.6	4.2	4.7	4.4
5	3.4	2.6	2.0	1.9	1.9	1.7	2.3	2.6	3.6	4.2	4.7	4.4
6	3.4	2.6	2.0	1.9	1.9	1.7	2.3	2.6	3.6	4.2	4.7	4.4
7	3.4	2.6	2.0	1.9	1.9	1.7	2.2	2.6	3.6	4.2	4.7	4.4
8	3.3	2.0	2.0	1.9	1.9	1.7	2.2	2.6	3.6	4.2	4.7	4.4
9	3.2	2.0	2.0	1.9	1.9	1.7	2.2	2.6	3.2	5.1	4.7	4.4
10	3.2	2.0	2.0	1.9	1.9	1.7	2.2	2.7	3.2	5.1	4.6	4.4
11	3.2	2.0	2.0	1.9	1.8	1.7	2.2	2.7	3.2	5.1	4.6	4.4
12	3.2	2.0	2.0	1.9	1.8	1.7	2.3	2.7	3.2	5.1	4.1	4.4
13	3.2	2.0	2.0	1.9	1.8	1.7	2.3	2.7	3.2	5.1	4.0	4.4
14	3.2	2.0	2.0	1.9	1.8	1.7	2.3	2.7	3.3	5.1	4.0	4.0
15	3.2	2.0	2.0	1.9	1.8	1.7	2.3	2.7	3.2	5.1	4.0	3.6
16	3.2	2.0	2.0	1.9	1.8	1.7	2.3	2.8	3.3	5.1	4.0	3.6
17	3.1	2.0	2.0	1.9	1.9	1.7	2.2	3.5	3.3	5.1	4.0	3.6
18	3.1	2.0	1.9	1.9	1.9	1.7	2.2	3.3	3.3	5.1	4.0	3.5
19	3.1	2.0	1.9	1.9	1.9	1.7	2.3	3.3	3.3	5.1	4.0	3.5
20	3.0	2.0	1.9	1.8	1.9	1.7	2.3	3.2	3.3	4.9	4.0	3.5
21	3.0	2.0	1.9	1.8	1.9	1.7	2.3	3.3	3.3	4.9	3.9	3.5
22	2.9	2.0	1.9	1.8	1.9	1.7	2.3	3.3	3.3	4.9	3.9	3.5
23	2.9	2.0	1.9	1.8	1.9	1.7	2.3	3.3	3.3	4.9	3.9	3.5
24	2.9	2.0	1.9	1.8	1.9	1.7	2.4	3.3	3.3	4.9	3.9	3.5
25	2.9	2.0	1.9	1.8	1.9	1.7	2.4	3.3	3.3	4.9	3.9	3.5
26	2.9	2.0	1.9	1.8	1.9	1.7	2.4	3.3	3.3	4.9	3.9	3.5
27	2.9	2.0	1.9	1.7	1.9	1.7	2.4	3.3	3.3	4.8	3.9	3.5
28	2.8	2.0	1.9	1.7	1.9	1.7	2.4	3.4	4.2	4.8	3.9	3.5
29	2.8	2.0	1.9	1.7	1.9	1.7	2.5	3.4	4.2	4.8	3.9	3.5
30	2.7	2.0	1.9	1.7	----------	1.7	2.6	3.4	4.2	4.8	3.9	3.5
31	2.7	----------	1.9	1.7	----------	1.7	----------	3.6	----------	4.8	3.9	----------
Total	96.4	64.4	60.6	57.2	53.9	52.7	67.5	92.6	103.5	148.0	130.7	117.5
Mean	3.11	2.15	1.95	1.85	1.86	1.70	2.25	2.99	3.45	4.77	4.22	3.92
Ac-ft	191	128	120	113	107	105	134	184	205	294	259	233

Calendar year 1967: Max 4.5 Min 0 Mean 2.83 Ac-ft 2,050
Water year 1967-68: Max 5.1 Min 1.7 Mean 2.86 Ac-ft 2,070

Table 24.--1675 F. Diversion to Little Cottonwood Creek treatment plant, near Salt Lake City

Location.--In NW¼SE¼ sec. 2, T. 3 S., R. 1 E., at water treatment plant of the Metropolitan Water District of Salt Lake City, immediately below Murray City powerplant and 13.5 miles southeast of Salt Lake City.

Records available.--October 1963 to September 1968. Records for previous years in the files of Salt Lake City Water Department and the Metropolitan Water District of Salt Lake City.

Gage.--Totalizing meter in treatment plant.

Extremes.--1963-68: Maximum daily discharge, 78 cfs June 19, 21, 1968; no flow on many days.

Remarks.--Discharge includes water diverted from Little Cottonwood Creek through the Murray City powerplant pipeline (1675 A) and from the creek about 400 ft downstream from the gage on Little Cottonwood Creek (1675 D). (See fig. 3.)

Cooperation.--Record furnished by the Metropolitan Water District of Salt Lake City.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	14	9.9	8.9	8.4	11	9.6	9.1	30	39	31	26
2	14	14	8.3	9.1	9.7	11	0	16	32	58	23	24
3	13	12	9.7	8.7	8.6	12	0	19	37	64	31	21
4	11	13	9.6	7.8	8.4	12	0	28	28	38	30	20
5	9.7	13	9.5	8.8	8.5	11	0	17	15	51	29	23
6	9.5	12	8.8	8.6	8.4	8.2	0	2.2	12	65	26	26
7	10	13	9.8	8.6	8.4	8.5	0	5.3	13	51	25	29
8	9.7	12	9.7	8.8	8.5	8.4	0	.16	12	60	24	27
9	9.7	12	8.0	8.4	8.3	9.0	0	21	12	54	16	27
10	.9	12	9.8	8.4	8.3	8.4	0	30	12	35	18	25
11	9.6	12	9.5	7.8	8.4	9.4	0	18	14	44	24	26
12	8.9	5.6	9.4	7.4	8.8	13	0	5.0	21	64	22	22
13	8.6	9.4	6.4	8.8	9.0	14	0	4.0	28	63	22	22
14	8.4	12	9.4	8.5	8.8	13	0	5.4	31	44	17	23
15	7.9	11	9.1	8.3	8.1	14	3.4	7.4	30	55	11	23
16	14	11	9.2	8.2	8.4	13	11	3.4	31	51	7.4	22
17	14	11	9.2	8.1	8.7	14	4.6	7.0	51	50	12	22
18	14	11	9.1	7.1	8.7	13	3.7	5.6	63	49	14	23
19	14	12	9.0	8.2	8.7	13	2.8	17	78	50	11	21
20	14	11	9.0	8.0	10	13	5.1	31	75	50	7.3	20
21	14	12	8.9	8.0	11	13	3.7	25	78	49	7.2	17
22	14	11	8.9	7.9	9.9	13	4.1	8.1	67	48	7.5	11
23	14	11	8.9	7.9	10	14	6.1	6.8	55	16	8.0	11
24	13	11	8.7	8.1	10	14	5.7	6.9	24	25	7.6	15
25	12	12	9.0	7.9	10	14	4.1	5.4	40	48	8.4	17
26	13	8.8	10	7.9	9.8	15	5.7	5.4	71	43	19	17
27	14	7.3	9.3	8.5	11	11	5.8	5.4	51	41	18	16
28	11	10	9.2	8.1	11	15	6.4	17	50	40	17	17
29	7.2	10	9.0	8.6	11	18	10	26	26	39	29	16
30	10	10	9.3	8.8	----------	20	14	14	5.2	35	29	16
31	13	----------	8.9	8.8	----------	23	----------	23	----------	33	27	----------
Total	349.1	336.1	282.5	257.0	266.8	398.9	105.8	410.4	1,092.2	1,452	578.4	625
Mean	11.2	11.2	9.11	8.29	9.20	12.9	3.53	13.2	36.4	46.8	18.7	20.8
Ac-ft	692	667	560	510	529	791	210	814	2,170	2,880	1,150	1,240

Calendar year 1967 : Max 54 Min 0 Mean 13.0 Ac-ft 9,440
Water year 1967-68 : Max 78 Min 0 Mean 16.8 Ac-ft 12,210

Table 25.--1675 G-N. Irrigation diversions from Little Cottonwood Creek between gaging stations 1675 D and 1677

Locations.--Sandy Ditch (1675 G) diverts from the left bank in NE¼NE¼ sec. 11, T. 3 S., R. 1 E. Sandy siphon (1675 H) diverts from the Murray City powerplant tailrace in NE¼SE¼ sec. 2, T. 3 S., R. 1 E. Thompson (1675 I) and Lym (1675 J) Ditches divert from the left bank in NW¼SW¼ sec. 2, T. 3 S., R. 1 E. Nichols and Last Chance Ditch (1675 K) diverts from Little Cottonwood Creek cutoff ditch (1675 T) in SE¼NW¼ sec. 2, T. 3 S., R. 1 E. Johnson Ditch (1675 L) diverts from Little Cottonwood Creek cutoff ditch in NE¼SE¼ sec. 34, T. 2 S., R. 1 E. Richards Ditch (1675 M) diverts from the left bank in SW¼NE¼ sec. 34, T. 2 S., R. 1 E. Greenwood Ditch (1675 N) diverts from the right bank in NE¼NW¼ sec. 34, T. 2 S., R. 1 E.

Records available.--October 1963 to September 1968. Records of individual diversions for previous years in the files of the Little Cottonwood Creek Water Commissioner and of the Salt Lake City Water Department.

Extremes.--1963-68: Maximum daily discharge, 125 cfs June 16, 1964 and July 5, 1965; no flow on many days.

Remarks.--The record herein is the combined discharge of the eight diversions.

Cooperation.--Records of individual diversions furnished by the water commissioner and the water department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.8	1.5	1.7	1.5	1.6	1.6	3.9	2.7	105	73	10	12
2	6.2	1.5	1.7	1.5	1.6	1.6	4.2	9.8	104	69	14	11
3	5.4	1.5	1.7	1.5	1.6	1.6	3.2	11	104	79	7.6	11
4	6.7	1.5	1.7	1.5	1.6	1.6	2.9	11	110	86	11	8.3
5	6.5	1.5	1.7	1.5	1.6	1.6	2.7	17	107	82	12	8.7
6	5.0	1.5	1.7	1.5	1.6	1.6	2.6	22	106	79	11	9.1
7	5.8	1.5	1.7	1.5	1.6	1.6	2.4	21	95	79	8.6	8.8
8	5.9	1.5	1.7	1.5	1.6	1.6	2.4	12	103	77	12	8.7
9	6.0	1.5	1.7	1.5	1.6	1.6	2.4	16	92	67	12	8.7
10	6.3	1.5	1.7	1.5	1.6	1.6	2.1	20	80	80	10	8.9
11	5.8	1.5	1.7	1.5	1.6	1.6	2.4	25	81	72	9.3	8.4
12	5.8	1.5	1.7	1.5	1.6	1.6	4.0	26	87	47	8.2	8.7
13	6.0	1.5	1.7	1.5	1.6	1.6	3.8	27	91	51	8.7	8.4
14	6.3	1.5	1.7	1.5	1.6	1.6	3.2	26	91	48	11	8.2
15	5.8	1.5	1.7	1.5	1.6	1.6	3.2	25	94	43	13	8.2
16	2.3	1.5	1.7	1.5	1.6	1.6	6.2	20	97	46	13	8.0
17	2.3	1.5	1.7	1.5	1.6	1.6	6.9	23	100	26	13	6.5
18	2.3	1.7	1.7	1.5	1.6	1.6	5.1	21	103	23	16	6.5
19	1.5	1.7	1.7	1.5	1.6	1.6	4.7	27	105	22	16	6.5
20	1.5	1.7	1.7	1.5	1.6	1.6	.9	31	109	19	15	6.6
21	1.5	1.7	1.7	1.5	1.6	1.6	.9	58	102	17	14	7.1
22	1.5	1.7	1.7	1.5	1.6	1.6	.9	72	102	16	15	6.3
23	1.5	1.7	1.7	1.5	1.6	1.6	2.6	68	102	25	15	8.5
24	1.5	1.7	1.7	1.5	1.6	1.6	2.6	62	97	21	28	5.9
25	1.5	1.7	1.7	1.5	1.6	1.6	2.6	61	102	15	28	5.8
26	1.5	1.7	1.7	1.5	1.6	1.6	2.6	59	93	17	27	5.5
27	1.5	1.7	1.5	1.5	1.6	1.6	2.6	61	92	14	16	5.9
28	1.5	1.7	1.5	1.5	1.6	1.6	1.4	73	99	13	15	5.9
29	1.5	1.7	1.5	1.5	1.6	1.6	1.4	84	95	12	12	5.9
30	1.5	1.7	1.5	1.5	----------	1.6	1.4	82	83	14	13	6.9
31	1.5	----------	1.5	1.5	----------	1.6	----------	96	----------	11	13	----------
Total	115.7	47.6	51.7	46.5	46.4	49.6	88.2	1,169.5	2,931	1,343	427.4	234.9
Mean	3.73	1.59	1.67	1.50	1.60	1.60	2.94	37.7	97.7	43.3	13.8	7.83
Ac-ft	229	94	103	92	92	98	175	2,320	5,810	2,660	848	466

Calendar year 1967 : Max 110 Min 0 Mean 19.4 Ac-ft 14,070
Water year 1967-68: Max 110 Min 0.9 Mean 17.9 Ac-ft 12,990

Table 26.--1677. Little Cottonwood Creek at 2050 East, near Salt Lake City

Location.--Lat 40°36'29", long 111°49'51", in NW¼NW¼ sec. 34, T. 2 S., R. 1 E., 100 ft upstream from bridge on Utah State Highway 210, and 11 miles southeast of Salt Lake City.

Drainage area.--33.8 sq mi.

Records available.--October 1963 to September 1968.

Gage.--Water-stage recorder. Altitude of gage is 4,580 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 486 cfs June 7, 1964; no flow for long periods.

Remarks.--Record fair. Many diversions for irrigation and municipal water supply above the station. (See fig. 3.) During this water year no exchange water for irrigation was pumped into the creek from well (D-2-1)34bbb-2.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.2	0				0	9.8	19	163	61	5.7	0.6
2	3.3	0				0	17	21	242	39	19	2.6
3	2.2	0				0	18	25	350	35	5.1	5.1
4	3.3	0				0	18	26	386	50	13	4.8
5	4.8	0				0	18	52	354	39	6.1	3.0
6	5.4	0				0	19	69	315	30	6.1	4.8
7	6.1	0				0	18	42	235	30	8.0	2.3
8	4.5	0				0	17	35	186	24	11	2.2
9	5.4	0				0	16	47	134	23	14	2.2
10	4.8	0				0	17	49	99	29	9.5	1.9
11	1.7	0				0	18	60	101	18	3.9	1.9
12	1.6	2.2				0	19	71	166	11	2.6	5.4
13	1.7	1.2				0	20	69	221	8.5	4.8	4.8
14	1.9	0				0	21	58	218	11	14	3.3
15	1.9	0				0	12	49	197	8.0	18	2.6
16	.1	0				0	12	42	228	14	17	1.9
17	3.1	0				0	14	32	246	23	24	1.9
18	0	0				0	15	28	277	24	26	2.2
19	0	0				0	15	30	281	15	32	2.0
20	1.6	0				0	18	53	288	18	23	3.3
21	0	0				0	18	120	263	26	22	5.7
22	0	0				0	16	117	252	12	42	8.5
23	0	0				0	13	61	263	37	28	7.5
24	0	0				0	12	40	311	23	15	3.9
25	.9	0				0	13	31	281	7.5	13	2.6
26	0	0				0	12	27	180	8.0	8.0	2.3
27	0	0				.8	12	33	156	6.5	15	2.3
28	1.0	0				0	11	53	160	5.4	14	2.5
29	4.2	0				0	10	114	153	4.8	8.0	2.5
30	2.2	0			----------	0	11	207	109	5.1	1.4	5.1
31	0	----------			----------	0	----------	197	----------	5.7	1.1	----------
Total	63.9	3.4	0	0	0	0.8	459.8	1,877	6,815	651.5	430.3	101.7
Mean	2.06	0.11	0	0	0	0.03	15.3	60.5	227	21.0	13.9	3.39
Ac-ft	127	7	0	0	0	2	912	3,720	13,520	1,290	853	202

Calendar year 1967: Max 468 Min 0 Mean 37.9 Ac-ft 27,400
Water year 1967-68: Max 386 Min 0 Mean 28.4 Ac-ft 20,630

Table 27.--1677 A-D, H. Irrigation diversions from Little Cottonwood Creek below gaging station at 2050 East

Locations.--Tanner Ditch (1677 A) diverts from the right bank in the NE¼SE¼ sec. 29, T. 2 S., R. 1 E. Union and Jordan (1677 H) and Cahoon and Maxfield (1677 B) Ditches divert from the left bank in the NE¼SE¼ sec. 29, T. 2 S., R. 1 E. Walker Ditch (1677 C) diverts from the left bank in the SE¼NE¼ sec. 29, T. 2 S., R. 1 E. Murray Irrigation Ditch (1677 D) diverts from the right bank in the NE¼NE¼ sec. 12, T. 2 S., R. 1 W.

Records available.--October 1963 to September 1968. Records of individual diversions for previous years in the files of the Little Cottonwood Creek Water Commissioner.

Extremes.--1963-68: Maximum daily discharge, 125 cfs May 26, 1964; minimum daily, 0.3 cfs October 25-26, 1963.

Remarks.--The record herein is the combined diversion from Little Cottonwood Creek except for the small flow in Murray Irrigation Ditch. The flow of Tanner, Cahoon and Maxfield, and Walker Ditches at times is supplemented by Utah Lake water diverted from the East Jordan and the Jordan and Salt Lake City Canals. (See fig. 3 and table 16.)

Cooperation.--Records of the individual diversion furnished by the Little Cottonwood Creek Water Commissioner.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	0.4	0.4	0.4	0.4	0.4	21	15	52	63	13	2.0
2	20	.4	.4	.4	.4	.4	7.1	29	53	40	35	4.4
3	9.4	.4	.4	.4	.4	.4	7.0	31	54	36	6.9	10
4	11	.4	.4	.4	.4	.4	7.6	30	63	54	9.7	12
5	13	.4	.4	.4	.4	.4	7.7	35	65	54	8.9	8.4
6	13	.4	.4	.4	.4	.4	7.7	43	56	33	9.7	5.1
7	14	.4	.4	.4	.4	.4	7.3	48	44	31	11	4.2
8	13	.4	.4	.4	.4	.4	7.3	43	43	24	17	3.6
9	12	.4	.4	.4	.4	.4	6.9	51	41	24	18	3.3
10	13	.4	.4	.4	.4	.4	7.0	46	36	28	14	3.3
11	9.1	.4	.4	.4	.4	.4	8.0	52	37	23	7.2	4.0
12	7.6	.4	.4	.4	.4	.4	8.5	57	47	13	4.6	7.7
13	8.6	.4	.4	.4	.4	.4	8.5	61	55	12	8.7	5.6
14	8.5	.4	.4	.4	.4	.4	9.3	55	53	11	21	5.6
15	8.5	.4	.4	.4	.4	.4	9.3	52	53	10	25	4.3
16	.4	.4	.4	.4	.4	.4	17	48	56	21	28	3.0
17	.4	.4	.4	.4	.4	.4	16	42	58	33	35	2.5
18	.4	.4	.4	.4	.4	.4	15	41	61	31	39	3.0
19	.4	.4	.4	.4	.4	.4	15	42	65	23	41	2.8
20	.4	.4	.4	.4	.4	.4	17	47	58	35	28	4.3
21	.4	.4	.4	.4	.4	.4	18	50	64	27	28	11
22	.4	.4	.4	.4	.4	.4	18	38	72	21	34	12
23	.4	.4	.4	.4	.4	.4	15	27	67	45	26	11
24	.4	.4	.4	.4	.4	.4	15	38	71	38	17	8.7
25	.4	.4	.4	.4	.4	.4	15	35	66	13	11	4.9
26	.4	.4	.4	.4	.4	.4	14	33	62	17	5.6	4.2
27	.4	.4	.4	.4	.4	.4	14	39	64	13	18	3.8
28	.4	.4	.4	.4	.4	.4	14	54	72	11	21	4.1
29	.4	.4	.4	.4	.4	.4	14	55	73	9.7	11	4.2
30	.4	.4	.4	.4	----------	.4	11	59	71	8.2	5.9	5.7
31	.4	----------	.4	.4	----------	.4	----------	58	----------	10	4.4	----------
Total	183.1	12.0	12.4	12.4	11.6	12.4	358.2	1,354	1,732	811.9	562.6	168.7
Mean	0 5.91	0.40	0.40	0.40	0.40	0.40	11.9	43.7	57.7	26.2	18.1	5.62
Ac-ft	363	24	25	25	23	25	710	2,690	3,440	1,610	1,120	335

Calendar year 1967: Max 92 Min 0.4 Mean 15.7 Ac-ft 11,340
Water year 1967-68: Max 73 Min 0.4 Mean 14.3 Ac-ft 10,390

Table 28.--1685. Big Cottonwood Creek near Salt Lake City

Location.--Lat 40°37'07", long 111°46'52", in SW¼NE¼ sec. 25, T. 2 S., R. 1 E., at Big Cottonwood Creek water treatment plant at mouth of canyon, and 12 miles southeast of Salt Lake City.

Drainage area.--50.0 sq mi.

Records available.--October 1898 to September 1968. Monthly discharge only for October 1898 to September 1960 published in WSP 1314 and 1734. Records for October 1960 to September 1963 in the files of the Salt Lake City Water Department.

Extremes.--1898-1968: Maximum daily discharge, 835 cfs June 6, 1909; minimum daily, 4.5 cfs Jan. 10, 1937.

Remarks.--Record herein is the combined discharge of Big Cottonwood Creek flume at the water treatment plant, Utah Power and Light Company tailrace above the water treatment plant, and Butler Ditch. (See fig. 4 and tables 29-31.) Record not adjusted for storage of municipal water in Lake Mary (capacity, 742 acre ft) and Twin Lakes (capacity, 937 acre-ft). Records for this gaging station published in U.S. Geological Survey Water Supply Papers 1314 and 1734 do not include the flow of Butler Ditch.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52	28	24	20	21	30	54	77	337	157	55	48
2	58	26	20	20	20	30	61	100	398	159	55	46
3	50	27	20	18	21	30	60	122	394	154	54	48
4	48	27	21	18	21	30	52	134	474	155	66	45
5	50	27	22	19	21	32	50	159	534	150	56	42
6	54	25	21	16	20	32	50	154	461	141	52	46
7	44	24	20	16	20	32	48	122	395	132	55	40
8	36	26	20	18	20	32	42	114	367	127	52	40
9	33	29	18	18	20	32	44	124	314	122	52	38
10	29	29	18	20	20	31	40	137	267	117	50	37
11	29	26	20	17	20	30	54	158	245	105	47	37
12	29	24	16	15	20	29	59	167	277	109	47	38
13	26	26	13	17	21	29	72	161	326	100	47	37
14	27	25	16	18	20	29	67	145	322	92	51	37
15	30	25	20	18	20	29	62	126	302	84	50	36
16	22	23	19	19	21	29	66	110	308	85	49	36
17	24	25	22	17	21	30	65	98	312	81	62	36
18	29	26	22	20	22	29	59	98	328	79	60	34
19	30	23	22	20	22	29	55	111	331	74	68	34
20	28	26	21	20	30	31	55	165	320	70	62	30
21	27	28	20	20	34	29	52	235	303	72	55	37
22	27	24	20	20	33	29	49	270	285	70	96	34
23	27	24	23	20	32	30	45	239	274	71	92	33
24	28	23	20	20	32	34	45	210	268	65	77	32
25	28	24	20	20	32	32	44	186	236	63	69	32
26	26	20	25	21	32	32	44	179	217	64	64	33
27	27	20	23	22	32	26	43	186	219	61	59	32
28	28	20	22	21	32	37	43	217	225	58	57	31
29	28	22	22	21	30	38	47	288	208	59	56	31
30	28	22	21	20	----------	50	56	332	173	56	52	32
31	28	----------	20	16	----------	49	----------	340	----------	57	50	----------
Total	1,030	744	631	585	710	991	1,583	5,264	9,420	2,989	1,817	1,112
Mean	33.2	24.8	20.4	18.9	24.5	32.0	52.8	170	314	96.4	58.6	37.1
Ac-ft	2,040	1,480	1,250	1,160	1,410	1,970	3,140	10,440	18,680	5,930	3,600	2,200

Calendar year 1967: Max 465 Min 13 Mean 77.3 Ac-ft 55,950
Water year 1967-68: Max 534 Min 13 Mean 73.4 Ac-ft 53,300

Table 29.--1685 A. Utah Power and Light Company tailrace above Big Cottonwood Creek treatment plant, near Salt Lake City

Location.--In SW¼NE¼ sec. 25, T. 2 S., R. 1 E., immediately above Big Cottonwood Creek treatment plant at mouth of canyon, and 12 miles southeast of Salt Lake City.

Records available.--October 1963 to September 1968. Records for previous years in the files of the Salt Lake City Water Department.

Gage.--48-inch Sparling meter and 4-foot Parshall flume.

Extremes.--1963-68: Maximum daily discharge, 64 cfs May 8 (corrected), 1967; no flow Sept. 2, 1968.

Remarks.--Water diverted from the right bank of Big Cottonwood Creek below the Stairs powerplant in SE¼SW¼ sec. 20, T. 2 S., R. 2 E., 1.5 miles upstream. Part of the flow is delivered to the water treatment plant through a 48-inch Sparling meter and the balance is returned to the creek 600 ft downstream after passing through a 4-foot Parshall flume. (See fig. 4.)

Cooperation.--Record of discharges, 8 a. m. to 8 a. m., furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	23	16	16	16	25	18	17	23	24	24	12
2	24	22	14	16	16	25	23	18	24	25	25	0
3	23	23	16	14	16	25	25	22	24	21	24	10
4	25	21	17	14	16	24	17	24	25	21	25	25
5	24	21	18	15	16	25	25	26	26	25	25	24
6	24	20	17	12	16	25	26	19	26	24	25	29
7	23	19	16	12	16	24	25	18	23	25	26	24
8	22	21	16	14	16	25	21	19	25	25	17	25
9	23	22	14	14	16	25	24	26	25	25	25	24
10	22	22	14	14	16	25	17	24	24	24	25	24
11	23	21	16	13	16	24	24	25	25	22	24	24
12	24	20	12	11	16	24	10	24	24	27	25	25
13	22	22	9	13	16	24	21	25	26	24	25	25
14	23	20	12	14	16	24	24	25	24	25	25	26
15	25	20	16	14	16	24	17	25	25	20	24	24
16	18	18	15	15	16	24	24	25	25	26	25	24
17	20	20	16	13	16	25	25	24	25	26	25	24
18	24	21	18	15	17	24	17	24	24	26	25	24
19	25	18	18	16	17	24	17	24	23	24	25	24
20	23	19	16	16	22	25	25	24	25	23	25	19
21	22	20	16	16	24	23	24	24	24	27	25	25
22	22	20	16	16	24	23	24	25	16	25	24	23
23	21	20	10	16	25	24	22	25	25	25	26	23
24	22	20	11	16	24	28	24	25	25	24	25	22
25	22	20	15	16	25	25	18	25	25	24	25	23
26	22	16	17	17	26	22	18	27	24	25	25	24
27	22	14	15	17	25	12	25	25	25	25	24	24
28	21	16	14	16	25	22	25	25	25	24	24	23
29	21	17	17	16	25	17	19	23	26	24	25	23
30	21	18	16	16	----------	28	17	24	24	25	24	24
31	22	----------	16	12	----------	25	----------	26	----------	26	25	----------
Total	699	594	469	455	551	739	641	732	730	756	761	670
Mean	22.5	19.8	15.1	14.7	19.7	23.8	21.4	23.6	24.3	24.4	24.5	22.3
Ac-ft	1,390	1,180	930	902	1,090	1,470	1,270	1,450	1,450	1,500	1,510	1,330

Calendar year 1967: Max 64 Min 1 Mean 26.2 Ac-ft 19,010
Water year 1967-68: Max 29 Min 0 Mean 21.3 Ac-ft 15,470

Table 30.--1685 B. Butler Ditch near Salt Lake City

Location.--In SE¼NW¼ sec. 25, T. 2 S., R. 1 E., about 1.4 miles below point of diversion from Big Cottonwood Creek and 0.4 mile southwest of Big Cottonwood Creek treatment plant.

Records available.--April 1964 to September 1968. Records for previous years in the files of the Salt Lake City Water Department.

Gage.--Rectangular weir.

Extremes.--1964-68: Maximum daily discharge, 2.3 cfs June 4-7, 1964, May 24-26, 1965; no flow Apr. 25-28, 1968.

Remarks.--Water diverted from the left bank of Big Cottonwood Creek in SE¼SW¼ sec. 19, T. 2 S., R. 2 E. (unsurveyed).

Cooperation.--Record furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0.5	0.3	0.5	0.3	0.3	0.3	0.4	1.1	1.1	0.6	1.0
2	.5	.5	.3	.5	.3	.3	.3	.4	1.1	1.1	.6	1.0
3	.5	.5	.3	.5	.3	.3	.3	.4	1.1	1.1	.6	.6
4	.5	.5	.3	.5	.3	.3	.5	.4	1.1	1.1	.6	.6
5	.5	.5	.3	.5	.3	.3	.5	.4	1.1	1.1	.6	.6
6	.5	1.1	.3	.5	.3	.3	.5	.4	1.1	1.1	.6	.6
7	.5	1.1	.3	.5	.3	.3	.5	.4	1.1	1.1	.6	.6
8	.5	1.1	.3	.5	.3	.3	.5	.4	1.1	1.1	.6	.6
9	.5	1.1	.3	.3	.3	.3	.5	.4	1.1	.5	.6	.6
10	.5	1.1	.3	.3	.3	.3	.5	.4	1.1	.7	.6	.6
11	.5	1.1	.3	.3	.3	.3	.5	.4	1.3	.7	.6	.6
12	.5	1.1	.3	.3	.3	.3	.5	.4	1.3	.7	.6	.7
13	.5	.8	.3	.3	.3	.3	.5	1.4	1.3	.7	.6	.7
14	.5	.8	.3	.3	.3	.3	.5	1.4	1.3	.7	.6	.7
15	.5	.8	.3	.3	.3	.3	.5	1.4	1.3	.7	.6	.7
16	.5	.8	.3	.3	.3	.3	.1	1.4	1.3	.7	.4	.7
17	.5	.8	.3	.3	.3	.3	.1	1.4	1.3	.7	.4	.7
18	.5	.8	.3	.3	.3	.3	.1	1.4	1.3	.7	.4	.4
19	.5	.8	.3	.3	.3	.3	.1	1.4	.7	.7	.4	.4
20	.5	.8	.6	.3	.3	.3	.1	1.4	.7	.7	.4	.4
21	.5	.8	.6	.3	.3	.3	.1	1.3	.7	.7	.3	.4
22	.5	.8	.6	.3	.3	.3	.1	1.3	.7	.7	.3	.4
23	.5	.8	.6	.3	.3	.3	.1	.3	.8	.8	.3	.4
24	.5	.3	.6	.3	.3	.3	.1	.3	.8	.8	.3	.5
25	.5	.3	.6	.3	.3	.3	0	.3	.8	.8	.3	.5
26	.5	.3	.6	.3	.3	.3	0	.3	.8	.8	.3	.5
27	.5	.3	.5	.3	.3	.3	0	.1	.8	.8	.3	.5
28	.5	.3	.5	.3	.3	.3	0	.1	.8	.8	1.0	.5
29	.5	.3	.5	.3	.3	.3	.4	1.1	.8	.8	1.0	.5
30	.5	.3	.5	.3	----------	.3	.4	1.1	.8	.6	1.0	.5
31	.5	----------	.5	.3	----------	.3	----------	1.1	----------	.6	1.0	----------
Total	15.5	21.1	12.4	10.9	8.7	9.3	8.6	23.3	30.6	25.2	17.1	17.5
Mean	0.50	0.70	0.40	0.35	0.30	0.30	0.29	0.75	1.02	0.81	0.55	0.58
Ac-ft	31	42	25	22	17	18	17	46	61	50	34	35

Calendar year 1967 : Max 1.4 Min 0.1 Mean 0.60 Ac-ft 434
Water year 1967-68 : Max 1.4 Min 0 Mean 0.55 Ac-ft 398

Table 31.--1685 C. Big Cottonwood Creek flume at water treatment plant, near Salt Lake City

Location.--In SE¼NE¼ sec. 25, T. 2 S., R. 1 E., at Big Cottonwood Creek water treatment plant at mouth of canyon, and 12 miles southeast of Salt Lake City.

Records available.--October 1963 to September 1968. Records for previous years in the files of the Salt Lake City Water Department.

Gage.--Water-stage recorder and 20-foot Parshall flume. Prior to June 21, 1967, a water-stage recorder at site 400 ft downstream. Altitude of gage 4,990 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 507 cfs June 5, 1968; minimum daily, 1.2 cfs Nov. 6, 1965.

Remarks.--Records fair. Diversions to the Utah Power and Light Co. powerplant, about 2 miles upstream, and to Butler Ditch, about three-quarters of a mile upstream, bypass this station. (See fig. 4.)

Cooperation.--Average 24-hour gage heights at the lower site, based on readings every 2 hours, 8 a.m. to 8 a.m., and recorder charts for the upper site furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	4.8	7.4	3.6	4.4	5.2	36	60	313	132	30	35
2	33	3.6	5.7	3.6	4.0	5.2	38	82	373	133	29	45
3	26	3.6	3.6	3.6	4.8	5.2	35	100	369	132	29	37
4	23	5.7	3.6	4.0	4.4	6.2	34	110	448	133	40	19
5	26	5.2	3.6	3.6	4.4	6.2	24	133	507	124	30	17
6	29	3.6	4.0	3.6	3.5	6.7	24	135	434	116	26	16
7	20	3.6	4.0	3.6	3.5	7.2	22	104	371	106	28	15
8	14	4.4	3.6	3.6	4.0	6.2	21	95	341	101	34	14
9	9.2	5.7	3.6	4.0	3.5	6.2	20	98	288	96	26	13
10	6.7	5.7	3.6	5.2	3.5	5.7	21	113	242	92	24	12
11	5.7	4.4	4.0	3.6	4.0	5.7	30	133	219	82	22	12
12	4.4	3.2	4.0	4.0	4.0	4.8	49	143	252	81	21	12
13	4.0	3.2	3.6	3.6	4.5	4.4	51	135	299	75	21	11
14	3.6	4.4	3.6	4.0	4.0	4.8	43	119	297	66	25	10
15	4.0	4.0	3.6	4.0	3.5	4.4	45	100	276	63	25	11
16	3.6	4.0	3.6	4.0	4.4	4.4	42	84	282	58	24	11
17	3.6	4.0	5.2	4.0	4.4	4.8	40	73	286	54	37	11
18	4.4	4.0	3.6	4.4	4.8	4.8	42	73	303	52	35	10
19	4.4	4.4	3.6	4.0	4.8	4.8	38	86	307	49	43	9.2
20	4.0	5.7	4.0	3.6	7.7	5.7	30	140	294	46	37	11
21	4.4	6.8	3.6	3.6	9.7	5.7	28	210	278	44	30	12
22	4.4	3.6	3.2	3.6	8.7	5.7	25	244	268	44	72	11
23	5.2	3.2	12	4.0	6.2	5.7	23	214	248	45	66	10
24	5.7	2.9	8.2	4.0	7.7	5.7	21	185	242	40	52	9.7
25	5.2	3.2	4.0	4.0	6.7	7.2	26	161	210	38	44	8.7
26	3.6	3.6	7.4	4.0	5.7	9.2	26	152	192	38	39	8.2
27	4.4	5.2	7.4	4.4	6.7	14	18	161	193	35	35	7.7
28	6.7	4.0	7.4	4.4	6.2	15	18	192	199	33	32	7.7
29	6.2	4.4	4.8	4.4	5.2	21	28	264	181	34	30	7.7
30	6.2	4.0	4.4	4.0	----------	22	39	307	148	30	27	7.7
31	5.7	----------	3.6	4.0	----------	24	----------	313	----------	30	24	----------
Total	314.3	128.1	147.5	122.0	148.9	243.8	937	4,519	8,660	2,202	1,037	421.6
Mean	10.1	4.27	4.76	3.94	5.13	7.86	31.2	146	289	71.0	33.5	14.1
Ac-ft	623	254	293	242	295	484	1,860	8,960	17,180	4,370	2,060	836

Calendar year 1967: Max 416 Min 2.9 Mean 50.4 Ac-ft 36,510
Water year 1967-68: Max 507 Min 2.9 Mean 51.6 Ac-ft 37,460

Note.--Gage heights for Nov. 14 to Feb. 15 are from readings at former site, 400 feet downstream.

Table 32.--1685 D. Salt Lake City conduit from Big Cottonwood Creek treatment plant, near Salt Lake City

Location.--In SW¼NE¼ sec. 25, T. 2 S., R. 1 E., at Big Cottonwood Creek water treatment plant at mouth of canyon, and 12 miles southeast of Salt Lake City.

Records available.--October 1963 to September 1968. Records for previous years in the files of the Salt Lake City Water Department.

Gage.--Five-foot Parshall flume.

Extremes.--1963-68: Maximum daily discharge, 62 cfs July 4, 1967; no flow May 2, 1967.

Remarks.--A small amount of wash water (average about 0.3 cfs) returned to the creek and has been subtracted from the total flow through the flume; the amounts shown were delivered to the Salt Lake City water system. (See fig. 4.)

Cooperation.--Record of discharges, 8 a.m. to 8 a.m., furnished by Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	42	25	21	21	17	29	24	33	35	52	42	40
2	46	24	20	21	17	30	28	37	33	51	42	42
3	43	25	20	19	18	29	30	38	38	56	41	41
4	41	25	21	18	18	30	25	36	27	57	39	42
5	47	23	21	20	17	31	30	35	16	57	44	41
6	52	22	21	17	18	31	30	22	15	58	40	41
7	42	22	21	17	18	31	30	24	13	58	37	36
8	35	22	21	18	18	30	30	50	13	58	36	34
9	32	23	19	19	18	30	35	58	14	58	38	33
10	29	25	19	19	18	30	29	58	13	57	41	34
11	28	22	20	17	19	29	31	56	20	58	42	37
12	27	21	17	16	18	26	15	39	23	58	39	36
13	27	24	13	18	19	29	13	34	40	54	34	31
14	27	23	16	19	19	29	14	35	34	51	36	28
15	28	23	20	19	18	28	15	25	36	46	37	30
16	23	22	19	19	19	28	15	28	47	47	39	31
17	23	23	21	18	19	28	17	34	48	45	44	35
18	25	24	21	20	20	29	14	45	52	41	38	34
19	25	21	21	18	20	29	14	58	54	52	47	29
20	26	23	21	18	25	28	13	41	60	53	46	23
21	26	25	20	18	26	27	14	38	57	52	45	26
22	25	22	19	18	28	29	14	29	50	48	46	29
23	25	22	11	18	29	26	14	14	56	52	43	25
24	25	22	18	19	32	22	14	14	56	44	43	32
25	26	21	20	19	31	21	13	14	57	45	44	30
26	25	19	24	19	30	15	14	17	58	46	53	28
27	25	20	23	19	31	15	14	33	58	45	55	28
28	27	22	22	19	30	17	15	34	56	45	53	26
29	26	22	22	19	26	16	25	46	54	44	53	30
30	26	22	21	18	----------	17	29	27	45	43	50	32
31	25	----------	21	13	----------	22	----------	26	----------	42	47	----------
Total	949	679	614	570	636	811	618	1,078	1,178	1,573	1,334	984
Mean	30.6	22.6	19.8	18.4	21.9	26.2	20.6	34.8	39.3	50.7	43.0	32.8
Ac-ft	1,880	1,350	1,220	1,130	1,260	1,610	1,230	2,140	2,340	3,120	2,650	1,950

Calendar year 1967: Max 62 Min 0 Mean 31.5 Ac-ft 22,820
Water year 1967-68: Max 60 Min 11 Mean 30.1 Ac-ft 21,880

Table 33.--1685 E-O, 1688 A. Diversions from Big Cottonwood Creek between Big Cottonwood Creek flume and gaging station at Cottonwood Lane

Locations.--Brown-Sanford Ditch (1685 E) diverts from the right bank in SW¼NE¼ sec. 25, T. 2 S., R. 1 E. Upper Canal (1685 F) and Newman Ditch (1685 G) divert from the right bank in SE¼NW¼ sec. 23, T. 2 S., R. 1 E. Tanner (1685 H) and Bagley-Knudson (1685 I) Ditches divert from the left bank and Park Box Ditch (1685 J) diverts from the right bank in NW¼NW¼ sec. 23, T. 2 S., R. 1 E. Severson Ditch (1685 K) diverts from the left bank in SE¼SW¼ sec. 14, T. 2 S., R. 1 E. Bagley Ditch (1685 L) diverts from the left bank in NW¼NW¼ sec. 14, T. 2 S., R. 1 E. Green (1685 M), Wallace (1685 N), and Walker (1685 O) Ditches divert from the left bank in SW¼NE¼ sec. 15, T. 2 S., R. 1 E. Farr and Harper Ditch (1688 A) diverts from the right bank in the NE¼NE¼ sec. 15, T. 2 S., R. 1 E.

Records available.--April 1964 to September 1968. Records of individual diversions for previous years in the files of the Big Cottonwood Creek Water Commissioner.

Extremes.--1964-68: Maximum daily discharge, 70 cfs July 11, 1967; no flow during winter months.

Remarks.--The record herein is the combined discharge of ten of the diversions described above. The small discharge of the other two diversions (Park Box and Wallace Ditches) is insignificant. From Oct. 1-14, July 20 to Sept. 30 part of the water diverted was supplied by pumping from East Jordan Canal (See table 16) and well (D-2-1)14ccd-1.

Cooperation.--Records of individual diversions furnished by the Big Cottonwood Creek Water Commissioner.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24						0.5	27	45	47	42	37
2	33						.5	28	52	49	44	38
3	30						1.2	38	48	50	42	37
4	28						1.3	45	40	53	52	32
5	28						2.1	42	36	57	37	32
6	27						2.0	40	36	51	23	37
7	23						2.1	37	37	47	26	38
8	23						2.1	34	36	46	39	36
9	23						2.8	41	28	49	25	36
10	25						2.7	48	29	47	31	34
11	24						2.6	59	30	41	27	32
12	24						2.8	46	40	40	27	31
13	22						3.2	51	47	44	28	37
14	20						3.9	49	54	40	29	37
15	4.0						5.7	44	47	38	31	38
16	0						6.4	42	52	34	21	37
17	0						6.6	40	58	37	42	32
18	0						9.1	38	59	40	43	31
19	0						9.8	38	62	40	41	33
20	0						8.1	58	59	41	35	36
21	0						7.9	61	60	45	34	32
22	0						11	42	52	42	38	30
23	0						14	37	53	44	27	27
24	0						29	22	60	41	32	30
25	0						28	20	54	43	35	34
26	0						22	29	51	42	32	35
27	0						26	38	53	39	37	36
28	0						25	47	62	37	40	36
29	0						21	45	54	38	36	32
30	0				----------		25	44	50	30	36	31
31	0	----------			----------		----------	47	----------	40	37	----------
Total	358.0	0	0	0	0	0	284.4	1,277	1,444	1,332	1,069	1,024
Mean	11.5	0	0	0	0	0	9.48	41.2	48.1	43.0	34.5	34.1
Ac-ft	710	0	0	0	0	0	564	2,530	2,860	2,640	2,120	2,030

Calendar year 1967 : Max 70 Min 0 Mean 18.2 Ac-ft 13,200
Water year 1967-68 : Max 62 Min 0 Mean 18.5 Ac-ft 13,450

Table 34.--1688. Big Cottonwood Creek at Cottonwood Lane, near Salt Lake City

Location.--Lat 40°39'22", long 111°49'24", in SE¼SE¼ sec. 10, T. 2 S., R. 1 E., at Cottonwood Lane, and about 8 miles southeast of Salt Lake City.

Drainage area.--58.2 sq mi.

Records available.--April to July 1964, October 1964 to September 1968.

Gage.--Water-stage recorder. Altitude of gage is 4,410 ft (from topographic map). Prior to August 1964, a water-stage recorder at a site half a mile upstream at different datum.

Extremes.--1964-68: Maximum daily discharge, 393 cfs June 5, 1968; no flow on many days.

Remarks.--Records fair. Many diversions above the station including Farr and Harper Ditch, which is below the site used prior to August 1964. (See fig. 4 and table 33.)

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	1.4	0			0	12	7.7	209	62	0.9	1.0
2	.6	.4	.4			0	23	28	251	51	.9	.8
3	.6	.3	0			0	17	34	313	40	.9	.8
4	.7	.3	0			0	13	46	374	34	.9	.7
5	.8	.2	0			0	7.3	75	393	29	.9	.7
6	1.0	.2	0			0	7.7	76	363	26	.9	.6
7	1.0	.2	0			0	7.0	53	310	22	.8	.6
8	.9	.1	0			0	6.2	24	285	21	.8	.5
9	1.0	.1	0			0	4.6	17	249	13	.8	.3
10	.9	.1	0			0	8.4	21	218	8.8	.8	.3
11	.8	.1	0			0	10	28	201	7.7	.8	.8
12	.8	.1	0			0	44	62	213	5.8	.8	1.2
13	.8	0	0			0	66	59	237	3.0	.8	.7
14	.8	.7	0			0	55	50	239	1.4	.8	.3
15	.8	.1	0			0	44	46	224	.9	.8	.3
16	.9	1.3	0			0	50	32	220	.6	.8	.3
17	.8	.3	0			0	43	19	232	1.4	.8	.4
18	.9	.2	0			0	38	14	247	.4	.8	.8
19	3.3	.2	0			0	32	12	252	.6	.7	1.0
20	2.5	.2	0			0	33	45	245	.6	.7	1.3
21	2.0	1.0	0			0	28	125	220	.5	.8	4.8
22	1.6	1.6	0			0	22	171	214	.5	20	.8
23	1.8	1.0	0			0	14	161	205	.8	44	2.1
24	2.5	.7	.7			0	7.3	152	203	1.3	25	2.6
25	2.0	.8	0			0	1.8	134	180	1.2	12	.6
26	2.4	.1	0			0	.5	116	154	1.2	6.0	.7
27	2.4	.6	0			.8	.5	103	137	1.0	3.5	.7
28	2.8	.1	0			.5	.6	117	108	1.0	2.5	.8
29	2.4	0	0			10	.3	169	101	.9	1.8	.8
30	2.0	0	0		----------	20	.5	218	78	.8	2.5	.7
31	2.0	----------	0		----------	12	----------	218	----------	.9	1.4	----------
Total	44.4	12.4	1.1	0	0	43.3	596.7	2,432.7	6,875	339.3	135.9	28.0
Mean	1.43	0.41	0.04	0	0	1.40	19.9	78.5	229	10.9	4.38	0.93
Ac-ft	88	25	2	0	0	86	1,180	4,830	13,640	673	270	56

Calendar year 1967 : Max 376 Min 0 Mean 31.6 Ac-ft 22,850
Water year 1967-68 : Max 393 Min 0 Mean 28.7 Ac-ft 20,850

Table 35.--1688 B-D. Diversions from Big Cottonwood Creek below gaging station at Cottonwood Lane

Locations.--Lower Canal (1688 B) diverts from the right bank in the NE¼SW¼ sec. 10, T. 2 S., R. 1 E. Big Canal (1688 C) diverts from the right bank in the SE¼NE¼ sec. 9, T. 2 S., R. 1 E. Hill Ditch (1688 D) diverts from the right bank in NW¼NW¼ sec. 9, T. 2 S., R. 1 E.

Records available.--April 1964 to September 1968. Records of individual diversions for previous years in the files of the Big Cottonwood Creek Water Commissioner.

Extremes.--1964-68: Maximum daily discharge, 34 cfs July 15, 24, 1964; no flow during winter months.

Remarks.--The record herein is the combined discharge of the three diversions described above. From July 9 to Sept. 30 most of the water diverted was supplied by the Jordan and Salt Lake City Canal. (See fig. 4 and table 16.)

Cooperation.--Records of individual diversions furnished by the Big Cottonwood Creek Water Commissioner.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								12	18	16	22	13
2								17	17	19	20	14
3								15	16	21	20	15
4								18	16	21	18	15
5								16	10	20	17	14
6								13	7.4	20	20	14
7								19	18	19	21	14
8								17	2.8	18	17	14
9								16	2.4	18	17	13
10								18	2.0	21	17	14
11								22	3.0	20	16	14
12								20	11	13	15	14
13								18	12	10	13	15
14								17	17	11	14	15
15								9.9	16	11	14	13
16								9.9	17	14	15	10
17								9.3	17	18	15	10
18								14	17	15	9.0	10
19								18	20	16	9.0	10
20								22	18	18	13	8.3
21								21	19	19	11	8.0
22								5.0	19	20	11	7.7
23								3.4	18	18	12	7.7
24								2.2	18	16	12	7.7
25								1.8	16	11	13	6.9
26								1.6	23	13	13	6.9
27								1.4	14	18	13	6.9
28								1.5	16	18	11	6.9
29								1.4	17	17	13	6.9
30					----------			1.2	17	20	14	5.3
31		----------			----------		----------	3.0	----------	22	14	----------
Total	0	0	0	0	0	0	0	364.6	434.6	531	459.0	330.2
Mean	0	0	0	0	0	0	0	11.8	14.5	17.1	14.8	11.0
Ac-ft	0	0	0	0	0	0	0	723	862	1,050	910	655

Calendar year 1967: Max 25 Min 0 Mean 6.3 Ac-ft 4,540
Water year 1967-68: Max 23 Min 0 Mean 5.79 Ac-ft 4,200

Table 36.--1698. Mill Creek above Elbow Fork, near Salt Lake City

Location.--Lat 40°42'23", long 111°41'22", in SW¼NE¼ sec. 26, T. 1 S., R. 2 E., on left bank 100 ft upstream from Elbow Fork, 1.8 miles upstream from Mill Creek guard station, and 12 miles southeast of Salt Lake City.

Drainage area.--7.7 sq mi.

Records available.--May 1963 to September 1968. Prior to April 21, 1964, infrequent staff gage readings only.

Gage.--Water-stage recorder. Altitude of the gage is 6,630 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 44 cfs June 5, 1968; minimum daily, not determined.

Remarks.--Records fair except those for periods of no gage-height record, which are poor. No diversions above station.

Cooperation.--Gage-height record furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.4	5.1	a4.5		4.2	a4.2	5.8	a7.0	29	13	8.4	6.8
2	6.6	5.1	a4.5			a4.2	6.0	a8.0	32	13	8.4	6.8
3	6.0	5.0	a4.5			a4.2	5.6	a9.0	38	13	8.4	6.8
4	6.0	5.2	4.8			4.2	5.2	a10	41	13	9.1	6.8
5	6.4	5.4	4.8			4.2	5.2	a11	44	13	8.2	6.8
6	6.2	5.4	5.0			4.2	5.2	10	42	11	7.9	6.6
7	5.8	5.4	5.0			4.2	5.1	9.6	38	11	8.4	6.6
8	5.8	5.4	5.0			4.2	a5.0	10	35	11	8.4	6.6
9	5.7	5.4	5.0			4.4	a5.0	10	31	11	8.0	6.6
10	5.7	5.2	4.8			4.4	a5.0	11	27	11	7.9	6.6
11	5.6	5.1	4.8			4.2	a5.0	11	27	11	7.7	6.6
12	5.6	5.0				4.1	a5.5	12	29	11	7.5	6.6
13	5.7	4.8				4.1	a5.5	11	31	10	7.4	6.6
14	5.7	4.8				4.1	a6.0	a12	30	9.8	7.5	6.6
15	5.7	4.8			a4.2	4.1	6.2	a12	28	9.4	7.7	6.6
16	5.7	4.8		a4.2		4.0	6.4	a12	27	9.3	7.4	6.6
17	5.6	4.8				4.1	6.3	a12	26	9.1	8.0	6.6
18	5.6	4.8				4.1	6.2	a12	25	8.9	8.0	6.6
19	5.4	4.8				a4.2	6.2	a13	24	8.9	8.0	6.6
20	5.4	4.8				a4.2	6.2	14	22	8.7	7.2	6.6
21	5.2	5.0	a4.5			a4.2	6.0	16	20	8.9	6.9	6.8
22	5.2	4.8				a4.2	6.0	17	19	9.3	7.5	6.8
23	5.0	5.0				a4.2	a6.0	17	18	9.4	7.9	6.8
24	5.0	5.0				a4.2	a6.0	15	18	9.1	8.0	6.8
25	5.1	4.8				a4.5	a6.0	14	17	8.9	7.9	6.8
26	5.1	4.4				a4.5	a5.5	15	16	8.7	7.4	6.8
27	5.2	3.8				a4.5	a5.5	16	15	8.6	6.8	6.8
28	5.4	4.2				a4.5	a5.5	18	14	8.4	6.6	6.6
29	5.4	4.4				a4.5	a6.0	23	14	8.4	6.6	6.6
30	5.2	4.4			----------	a5.0	a6.5	26	14	8.4	6.6	6.6
31	5.1	----------			----------	a5.5	----------	27	----------	8.4	6.8	----------
Total	173.5	146.9	142.7	130.2	121.8	133.4	171.6	420.6	791	312.6	238.5	200.4
Mean	5.60	4.90	4.60	4.20	4.20	4.30	5.72	13.6	26.4	10.1	7.69	6.68
Ac-ft	344	291	283	258	242	265	340	834	1,570	620	473	397

Calendar year 1967: Max 42 Min - Mean 8.22 Ac-ft 5,950
Water year 1967-68: Max 44 Min - Mean 8.15 Ac-ft 5,920

a No gage-height record; discharge estimated.

Table 37.--1700. Mill Creek near Salt Lake City

Location.--Lat 40°41'20", long 111°46'55", in NW¼SE¼ sec. 36, T. 1 S., R. 1 E., 1,000 ft upstream from bridge at mouth of canyon, 0.7 mile east of Wasatch Blvd., and 7 miles southeast of Salt Lake City.

Drainage area.--21.7 sq mi.

Records available.--October 1898 to September 1968. Monthly discharge only for October 1898 to September 1960 published in WSP 1314 and 1734. October 1960 to September 1963 in the files of the Salt Lake City Water Department.

Extremes.--1898-1910, 1912-19, 1920-22, 1923-60, 1963-68: Maximum daily discharge, 152 cfs May 20, 1949; minimum not determined but about 1 cfs or less.

Remarks.--No regulation. Record herein is the combined discharge of Mill Creek and pipelines from Boundary Springs. (See tables 38, 39.)

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	9.2	9.1	8.3	10	9.6	12	15	49	24	15	13
2	12	9.2	8.5	8.3	10	9.9	14	17	52	24	15	12
3	10	9.2	9.1	7.8	10	9.9	12	18	55	24	15	13
4	10	9.2	9.7	6.2	10	9.9	12	19	60	22	16	12
5	12	9.5	9.7	7.2	10	9.9	12	21	61	22	15	12
6	12	9.5	9.7	7.9	10	9.9	12	20	61	22	15	12
7	11	9.5	9.7	7.3	10	10	12	19	59	22	15	12
8	11	9.5	9.2	6.8	10	10	11	19	56	22	15	12
9	10	9.5	8.1	7.8	10	10	11	18	51	22	15	12
10	10	9.5	9.2	7.8	10	9.9	11	19	47	21	14	12
11	10	9.8	9.2	7.8	10	9.5	12	20	45	21	14	12
12	11	10	8.7	7.8	10	9.5	12	21	46	21	14	12
13	10	10	7.2	7.8	10	9.5	14	21	47	20	14	11
14	10	10	7.2	7.8	10	9.5	14	22	46	20	15	11
15	10	10	7.2	8.0	10	9.5	13	21	42	19	15	12
16	10	10	7.4	8.5	10	9.5	14	21	44	19	14	12
17	10	10	8.1	8.5	10	9.2	14	20	42	19	16	12
18	10	10	8.8	8.5	10	9.2	13	20	40	18	15	12
19	11	10	8.7	8.5	9.7	9.5	13	20	38	18	16	11
20	11	10	9.2	8.5	9.7	9.5	13	22	38	17	15	12
21	10	11	8.7	9.0	9.7	9.8	14	28	36	17	15	12
22	10	10	8.7	9.0	9.7	9.8	13	36	34	16	18	12
23	9.2	9.9	8.7	8.9	10	9.8	13	38	32	16	16	12
24	9.2	9.9	8.7	8.9	10	9.8	13	33	30	16	15	12
25	9.2	9.6	9.2	8.9	10	10	13	33	28	16	14	11
26	9.2	8.6	9.2	8.9	9.9	11	12	35	26	16	14	11
27	9.2	7.3	9.2	8.9	10	10	12	37	26	16	13	11
28	9.2	8.6	9.2	8.9	9.9	10	12	40	28	16	13	11
29	9.2	9.1	9.2	9.3	9.6	10	13	45	26	15	13	11
30	9.2	9.1	8.7	9.3	----------	11	14	49	26	15	13	11
31	9.2	----------	8.7	9.3	----------	11	----------	49	----------	15	13	----------
Total	314.8	286.7	271.9	256.4	288.2	305.6	380	816	1,271	591	455	353
Mean	10.2	9.56	8.77	8.27	9.94	9.86	12.7	26.3	42.4	19.1	14.7	11.8
Ac-ft	624	569	539	509	572	606	754	1,620	2,520	1,170	902	700

Calendar year 1967 : Max 50 Min 5.2 Mean 14.0 Ac-ft 10,160
Water year 1967-68 : Max 61 Min 6.2 Mean 15.3 Ac-ft 11,080

Table 38.--1700 A. Boundary Springs near Salt Lake City

Location.--In SW¼NW¼ sec. 31, T. 1 S., R. 2 E., at Forest Boundary, about 1,500 ft upstream from Mill Creek gage (1700 B), and about 7 miles southeast of Salt Lake City.

Records available.--October 1963 to September 1968. Records for previous years in the files of the Salt Lake City Water Department.

Gage.--Propeller-type totalizing meters.

Extremes.--1963-68: Maximum daily discharge, 2.7 cfs several days in 1964, 1965, and 1968; minimum daily, 1.2 cfs Mar. 27-31, 1964.

Remarks.--The record herein is the combined discharge of Upper and Lower Boundary Springs diverted into pipelines for domestic use. At times part of the flow from the springs reaches Mill Creek without diversion.

Cooperation.--Record furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.6	2.3	2.1	2.3	2.6	2.1	2.1	2.2	2.2	2.5	2.7	2.7
2	2.6	2.3	2.1	2.3	2.6	2.1	2.1	2.2	2.2	2.5	2.7	2.7
3	2.6	2.3	2.1	2.3	2.6	2.1	2.1	2.2	2.2	2.5	2.7	2.7
4	2.6	2.3	2.2	2.3	2.6	2.1	2.1	2.2	2.2	2.5	2.7	2.7
5	2.6	2.3	2.2	2.3	2.6	2.1	2.1	2.2	2.2	2.5	2.7	2.7
6	2.6	2.3	2.2	2.3	2.6	2.1	2.1	2.2	2.2	2.5	2.7	2.7
7	2.6	2.3	2.2	2.3	2.6	2.1	2.1	2.2	2.2	2.5	2.7	2.7
8	2.6	2.3	2.2	1.8	2.6	2.1	2.1	2.2	2.2	2.6	2.7	2.7
9	2.6	2.3	2.2	1.8	2.6	2.1	2.1	2.2	2.2	2.6	2.7	2.3
10	2.6	2.3	2.2	1.8	2.6	2.1	2.1	2.2	2.2	2.6	2.7	2.3
11	2.6	2.3	2.2	1.8	2.6	2.0	2.1	2.2	2.2	2.6	2.7	2.3
12	2.6	2.3	2.2	1.8	2.6	2.0	2.1	2.2	2.2	2.6	2.6	2.3
13	2.6	2.3	2.2	1.8	2.6	2.0	2.1	2.2	2.2	2.6	2.6	2.3
14	2.6	2.3	2.2	1.8	2.6	2.0	2.1	2.2	2.2	2.6	2.6	2.3
15	2.6	2.3	2.2	2.0	2.6	2.0	2.2	2.2	2.2	2.6	2.6	2.3
16	2.6	2.3	2.2	2.0	2.6	2.0	2.2	2.2	2.2	2.6	2.6	2.2
17	2.6	2.3	2.2	2.0	2.6	2.0	2.2	2.2	2.5	2.6	2.6	2.2
18	2.6	2.3	2.2	2.0	2.6	2.0	2.2	2.2	2.5	2.6	2.6	2.2
19	2.6	2.3	2.2	2.0	2.2	2.0	2.2	2.2	2.5	2.6	2.7	2.2
20	2.6	1.9	2.2	2.0	2.2	2.0	2.2	2.2	2.5	2.6	2.7	2.2
21	2.6	2.1	2.2	2.0	2.2	2.0	2.2	2.2	2.5	2.6	2.7	2.2
22	2.6	2.1	2.2	2.0	2.2	2.0	2.1	2.2	2.5	2.5	2.7	2.2
23	2.3	2.1	2.2	2.0	2.2	2.0	2.1	2.2	2.5	2.5	2.7	2.2
24	2.3	2.1	2.2	2.0	2.2	2.0	2.1	2.2	2.5	2.5	2.7	2.2
25	2.3	2.1	2.2	2.0	2.2	2.1	2.1	2.2	2.5	2.5	2.7	2.2
26	2.3	2.1	2.2	2.0	2.1	2.1	2.1	2.2	2.5	2.5	2.7	2.2
27	2.3	2.1	2.2	2.0	2.1	2.1	2.1	2.2	2.5	2.5	2.7	2.2
28	2.3	2.1	2.2	2.0	2.1	2.1	2.1	2.2	2.5	2.5	2.7	2.2
29	2.3	2.1	2.2	2.4	2.1	2.1	2.2	2.2	2.5	2.7	2.7	2.2
30	2.3	2.1	2.2	2.4	----------	2.1	2.2	2.2	2.5	2.7	2.7	2.2
31	2.3	----------	2.2	2.4	----------	2.1	----------	2.2	----------	2.7	2.7	----------
Total	77.9	66.6	67.9	63.9	70.6	63.7	63.9	68.2	70.2	79.5	83.0	70.7
Mean	2.51	2.22	2.19	2.06	2.43	2.05	2.13	2.20	2.34	2.56	2.68	2.36
Ac-ft	155	132	135	127	140	126	127	135	139	158	165	140

Calendar year 1967: Max 2.6 Min 1.7 Mean 2.23 Ac-ft 1,620
Water year 1967-68: Max 2.7 Min 1.8 Mean 2.31 Ac-ft 1,680

Table 39.--1700 B. Mill Creek (channel only) near Salt Lake City

Location.--Lat 40°41'20", long 111°46'55", in NW¼SE¼ sec. 36, T. 1 S., R. 1 E., 1,000 feet upstream from bridge at mouth of canyon, 0.7 mile east of Wasatch Boulevard, and 7 miles southeast of Salt Lake City.

Records available.--October 1963 to September 1968. Records for previous years in the files of the Salt Lake City Water Department.

Gage.--Water-stage recorder and rating flume. Altitude of gage is 5,050 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 59 cfs June 5, 6, 1968; minimum daily, 1.7 cfs Dec. 21, 1965.

Remarks.--Records good except those for Nov. 23 to Jan. 22, which are affected by ice in the gage well or the stream and are poor. No regulation. Water is diverted from Boundary Springs, about 1,500 feet upstream, into pipelines that bypass the gage.

Cooperation.--Gage-height record furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.3	6.9	7.0	6.0	7.8	7.5	9.8	13	47	22	12	10
2	8.9	6.9	6.4	6.0	7.8	7.8	12	15	50	21	12	9.8
3	7.5	6.9	7.0	5.5	7.8	7.8	10	16	53	21	12	10
4	7.5	6.9	7.5	3.9	7.8	7.8	9.5	17	58	20	13	9.8
5	8.9	7.2	7.5	4.9	7.8	7.8	9.5	19	59	20	12	9.8
6	9.2	7.2	7.5	5.6	7.8	7.8	9.8	18	59	19	12	9.5
7	8.0	7.2	7.5	5.0	7.8	8.3	9.5	17	57	19	12	9.5
8	8.0	7.2	7.0	5.0	7.8	8.0	9.2	17	54	19	12	9.5
9	7.8	7.2	5.9	6.0	7.8	8.3	9.2	16	49	19	12	9.2
10	7.8	7.2	7.0	6.0	7.8	7.8	9.2	17	45	18	11	9.2
11	7.8	7.5	7.0	6.0	7.8	7.5	9.5	18	43	18	11	9.2
12	8.0	7.8	6.5	6.0	7.5	7.5	10	19	44	18	11	9.2
13	7.8	7.8	5.0	6.0	7.8	7.5	12	19	45	17	11	8.9
14	7.5	7.8	5.0	6.0	7.8	7.5	12	20	44	17	12	8.9
15	7.5	7.8	5.0	6.0	7.5	7.5	11	19	40	16	12	9.2
16	7.5	7.8	5.2	6.5	7.5	7.5	12	19	42	16	11	9.5
17	7.8	7.8	5.9	6.5	7.5	7.2	12	18	40	16	13	9.5
18	7.8	7.8	6.6	6.5	7.5	7.2	11	18	38	15	12	9.5
19	8.0	8.0	6.5	6.5	7.5	7.5	11	18	36	15	13	9.2
20	8.0	8.3	7.0	6.5	7.5	7.5	11	20	35	14	12	10
21	7.8	8.9	6.5	7.0	7.5	7.8	12	26	34	14	12	9.8
22	7.5	8.3	6.5	7.0	7.5	7.8	11	34	31	14	15	10
23	6.9	7.8	6.5	6.9	7.8	7.8	11	36	29	14	13	9.8
24	6.9	7.8	6.5	6.9	7.8	7.8	11	31	28	14	12	9.5
25	6.9	7.5	7.0	6.9	7.8	8.0	11	31	26	14	11	9.2
26	6.9	6.5	7.0	6.9	7.8	8.6	10	33	24	14	11	9.2
27	6.9	5.2	7.0	6.9	8.0	8.3	10	35	24	14	10	8.9
28	6.9	6.5	7.0	6.9	7.8	8.3	10	38	25	13	10	8.9
29	6.9	7.0	7.0	6.9	7.5	8.3	11	43	24	12	10	8.9
30	6.9	7.0	6.5	6.9	----------	9.2	12	47	24	12	10	8.9
31	6.9	----------	6.5	6.9	----------	9.2	----------	47	----------	12	10	----------
Total	237.0	221.7	204.0	192.5	223.4	244.4	318.2	754	1,207	507	362	282.5
Mean	7.65	7.39	6.58	6.21	7.70	7.88	10.6	24.3	40.2	16.4	11.7	9.42
Ac-ft	470	440	405	382	443	485	631	1,500	2,390	1,010	718	560

Calendar year 1967: Max 48 Min - Mean 11.9 Ac-ft 8,620
Water year 1967-68: Max 59 Min 3.9 Mean 13.0 Ac-ft 9,430

Table 40.--1700 C-M. Diversions from Mill Creek between gaging stations 1700 B and 1702

Locations.--Chamberlain Ditch (1700 C) diverts from the left bank in the NW¼SE¼ sec. 36, T. 1 S., R. 1 E. Stillman-Hussy Ditch (1700 D) diverts from the left bank and Osguthorpe (1700 E) Ditch diverts from the right bank in the NE¼SW¼ sec. 36, T. 1 S., R. 1 E. Stillman-Russell (1700 F) and James Russell (1700 G) Ditches divert from the left bank in SW¼NW¼ sec. 36, T. 1 S., R. 1 E. Tripp Ditch (1700 H) diverts from the right bank in NE¼NE¼ sec. 35, T. 1 S., R. 1 E. John and Franklin Neff Ditch (1700 I) diverts from the left bank in NE¼NW¼ sec. 35, T. 1 S., R. 1 E. Amos Neff Ditch (1700 J) diverts from the left bank and Brigham Young Ditch (1700 K) diverts from the right bank in NW¼NW¼ sec. 35, T. 1 S., R. 1 E. Keller Ditch (1700 L) diverts from the left bank in NW¼NW¼ sec. 34, T. 1 S., R. 1 E. White Ditch (1700 M) diverts from the right bank in NE¼NW¼ sec. 34, T. 1 S., R. 1 E.

Records available.--October 1963 to September 1968.

Extremes.--1963-68: Maximum daily discharge, 14 cfs July 3, 1965; no flow during several months of each year.

Remarks.--The record herein, computed from the Mill Creek Water Commissioner's records, is the combined discharge of the 11 diversions described above. The water is used for irrigation and domestic supply.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2						0	1	9	11	10	7
2	2						0	1	10	12	10	7
3	4						0	3	12	11	9	7
4	3						0	4	10	10	9	8
5	3						0	4	7	10	9	9
6	2						0	4	7	9	9	9
7	2						1	4	6	9	8	9
8	2						1	5	5	9	8	8
9	3						1	5	4	8	8	7
10	5						1	6	4	8	9	7
11	4						1	5	4	9	9	8
12	3						1	4	5	9	9	9
13	3						1	4	5	8	9	9
14	2						1	2	6	7	8	9
15	2						1	1	7	10	8	9
16	1						1	2	8	11	8	10
17	2						1	4	9	11	6	10
18	2						1	6	9	10	4	8
19	1						1	6	10	9	6	6
20	1						0	6	10	9	6	4
21	1						0	6	10	10	8	4
22	1						0	6	10	10	4	6
23	1						0	6	10	10	4	10
24	1						1	6	10	10	4	10
25	1						1	6	10	10	5	10
26	1						0	6	10	10	5	10
27	1						0	6	9	10	6	8
28	1						0	6	9	10	6	6
29	0						0	6	8	10	6	5
30	0				----------		0	6	9	10	7	5
31	0	----------			----------		----------	9	----------	10	7	----------
Total	57	0	0	0	0	0	15	146	242	300	224	234
Mean	1.8	0	0	0	0	0	0.5	4.7	8.1	9.7	7.2	7.8
Ac-ft	113	0	0	0	0	0	30	290	480	595	444	464

Calendar year 1967: Max 12 Min 0 Mean 2.8 Ac-ft 2,040
Water year 1967-68: Max 12 Min 0 Mean 3.3 Ac-ft 2,420

Table 41.--1702. Mill Creek at 2200 East, near Salt Lake City

Location.--Lat 40°41'44", long 111°49'40", in NE¼NW¼ sec. 34, T. 1 S., R. 1 E., about 2.5 miles downstream from mouth of canyon and 5.7 miles southeast of Salt Lake City.

Drainage area.--22.6 sq mi.

Records available.--October 1963 to September 1968.

Gage.--Water-stage recorder. Altitude of gage is 4,560 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 64 cfs June 5, 1968; minimum daily, 0.2 cfs on several days in 1963.

Remarks.--Records fair.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	4.9	5.5	5.2	4.4	5.5	7.4	11	40	14	2.9	4.7
2	7.6	5.0	5.2	5.2	5.2	5.3	10	11	41	12	2.9	3.6
3	3.9	5.2	5.2	4.6	5.5	5.2	8.1	12	47	11	5.3	3.2
4	3.2	5.2	5.2	2.6	5.5	5.2	7.2	11	54	12	3.0	2.7
5	4.5	4.9	6.0	3.7	5.7	5.3	7.2	12	64	11	2.8	2.6
6	6.2	4.7	5.5	4.9	5.5	5.7	8.1	13	58	8.8	2.8	2.0
7	6.0	5.5	5.5	5.2	5.5	6.7	7.4	11	54	8.5	2.7	1.5
8	5.7	5.5	5.5	5.4	5.7	5.7	7.4	9.8	56	7.6	3.5	2.0
9	5.3	5.5	5.2	5.6	5.7	6.9	7.6	9.3	47	8.1	3.3	2.0
10	5.0	5.3	5.2	5.8	5.2	5.5	6.5	9.8	43	7.4	2.8	1.9
11	4.7	5.3	5.0	5.4	4.9	5.2	7.4	10	39	8.1	3.0	1.6
12	4.2	5.3	5.0	5.0	4.9	5.2	8.5	12	40	7.6	2.5	1.9
13	3.9	5.2	5.0	5.0	5.2	5.2	9.8	11	41	6.2	2.6	1.5
14	4.3	5.2	5.0	5.0	5.0	5.0	9.3	15	39	6.2	2.8	2.0
15	4.6	5.3	5.0	5.0	4.9	4.7	9.5	16	34	5.5	2.9	2.1
16	4.3	5.3	6.0	5.0	5.0	4.7	11	15	32	5.3	2.8	2.0
17	2.8	5.3	6.5	5.0	5.0	5.0	9.5	12	31	5.2	7.7	2.0
18	2.5	5.2	6.0	5.0	5.2	4.9	9.0	11	31	4.9	8.8	2.4
19	3.7	5.2	6.0	5.0	5.0	5.2	9.3	12	30	4.7	9.8	1.9
20	3.6	5.3	5.5	5.0	7.2	5.2	10	14	28	4.3	8.1	4.4
21	3.4	8.2	5.0	5.0	8.1	5.2	9.8	18	26	4.3	6.7	6.0
22	3.6	6.7	4.9	5.0	6.5	5.2	9.3	24	21	4.4	12	5.7
23	3.6	6.0	5.0	5.0	6.0	5.2	8.8	32	20	4.3	10	5.5
24	3.0	5.5	4.9	5.0	5.8	5.2	8.8	28	21	4.3	8.1	4.4
25	3.5	5.2	5.0	5.0	5.7	5.3	8.5	28	20	4.4	6.2	3.6
26	4.6	5.0	5.7	5.2	6.0	6.0	8.5	27	18	3.6	5.3	3.5
27	4.9	4.3	5.3	5.2	6.0	5.7	8.5	28	16	3.5	4.7	3.2
28	5.3	5.0	5.2	5.2	5.5	5.5	8.5	27	16	3.4	4.0	2.8
29	5.0	5.0	5.2	5.2	5.5	5.7	9.0	28	15	3.2	3.7	3.4
30	5.0	6.0	5.2	5.3	----------	6.4	10	32	15	2.7	3.3	2.8
31	5.0	----------	4.3	5.2	----------	6.9	----------	38	----------	2.5	3.9	----------
Total	134.3	161.2	164.7	154.9	161.3	169.6	259.9	547.9	1,037	199.0	150.9	88.9
Mean	4.33	5.37	5.31	5.00	5.56	5.47	8.66	17.7	34.6	6.42	4.87	2.96
Ac-ft	267	320	327	307	320	336	516	1,090	2,060	395	299	176

Calendar year 1967 : Max 49 Min 0.5 Mean 8.09 Ac-ft 5,860
Water year 1967-68 : Max 64 Min 1.4 Mean 8.82 Ac-ft 6,410

Note.--No gage-height record Jan. 7-28 and stage-discharge relation affected by backwater Nov. 23 to Dec. 19; discharge estimated.

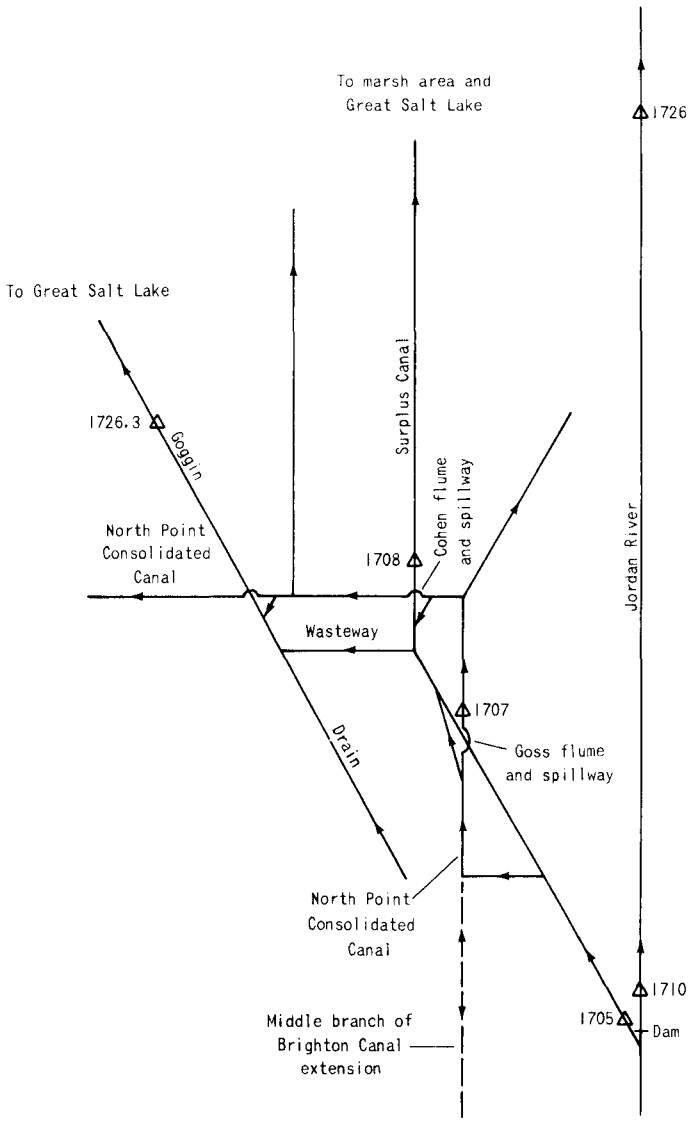

Figure 5.— Schematic diagram showing relation of flows in lower Jordan River basin.

Table 42.--1705. Surplus Canal at Salt Lake City

Location.--Lat 40°43'40", long 111°55'35", in SW¼SW¼ sec. 14, T. 1 S., R. 1 W., on upstream side of diversion dam at head of canal, and about 0.1 mile downstream from highway bridge over Jordan River on 21st South Street. Prior to Oct. 1, 1966, at site 400 ft downstream.

Records available.--December 1942 to September 1968. December 1942 to September 1960 in the annual series of Water-Supply Papers of the U.S. Geological Survey, with monthly summaries in WSP 1314 and 1734. October 1960 to September 1968 in Surface Water Records of Utah, published annually.

Gage.--Water-stage recorder. Datum of gage is 4,223.93 ft above mean sea level, datum of 1929. Prior to Oct. 22, 1952, at site 350 ft downstream and Oct. 22, 1952 to Sept. 30, 1966, at site 400 ft downstream at datum 5.04 ft lower. (Previously published datum for former sites was found to be 0.13 ft too high in December 1967.)

Average discharge.--25 years (1943-68), 182 cfs (131,800 acre-ft per year).

Extremes.--1942-68: Maximum discharge, 1,700 cfs June 7, 1952; no flow Jan. 21 to Feb. 28, 1963.

Remarks.--Records good. Flow is regulated by the diversion structure at the station. (See fig. 5.) The canal was built to bypass the floodwater of the Jordan River around the Salt Lake City residential and industrial area. (See table 45 for records of combined flow of the Jordan River and the canal.) Several diversions for irrigation and waterfowl ponds are below the station.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	180	147	153	144	129	153	110	315	595	226	166	183
2	194	141	132	147	118	150	192	311	581	190	194	180
3	173	138	132	138	116	141	201	295	835	197	204	187
4	176	141	135	123	108	144	159	276	883	208	249	180
5	197	141	121	123	108	150	150	212	974	241	241	201
6	230	138	129	126	105	147	212	284	979	219	204	219
7	226	138	132	118	105	173	403	234	854	201	180	219
8	230	90	132	118	103	163	434	173	845	201	170	222
9	226	90	126	121	103	237	434	156	811	180	237	222
10	201	100	132	118	108	234	447	159	715	201	237	201
11	194	100	132	123	103	204	461	159	648	230	234	203
12	190	108	132	113	108	183	457	197	629	215	241	226
13	180	163	121	110	116	173	438	245	648	201	230	204
14	180	171	123	108	123	159	447	323	686	197	264	208
15	147	144	123	110	121	144	452	381	581	173	280	197
16	121	135	129	108	116	147	443	347	590	170	234	215
17	113	121	132	105	118	369	389	311	566	144	323	226
18	110	118	126	103	132	466	394	272	533	153	389	234
19	110	116	126	108	147	429	398	260	542	144	470	201
20	113	121	126	108	173	407	434	256	533	150	407	245
21	116	144	113	108	201	403	452	319	509	147	280	299
22	118	129	105	108	201	420	466	552	475	183	522	280
23	121	123	103	98	208	429	411	941	485	411	576	284
24	116	123	105	103	197	434	429	749	557	327	368	253
25	135	123	108	116	183	434	407	504	452	272	315	234
26	147	118	121	110	173	466	394	466	339	201	276	222
27	147	118	129	123	201	407	394	420	280	159	241	208
28	163	113	147	129	176	420	368	394	276	156	230	194
29	173	118	150	123	159	307	360	447	276	176	226	197
30	159	123	147	132	----------	183	339	657	260	194	204	215
31	150	----------	141	129	----------	141	----------	677	----------	173	197	----------
Total	5,036	3,793	3,963	3,651	4,059	8,417	11,075	11,292	17,937	6,240	8,589	6,564
Mean	162	126	128	118	140	272	369	364	598	201	277	219
Ac-ft	9,990	7,520	7,860	7,240	8,050	16,690	21,970	22,400	35,580	12,380	17,040	13,020

Calendar year 1967: Max 926 Min 54 Mean 204 Ac-ft 147,500
Water year 1967-68: Max 979 Min 90 Mean 248 Ac-ft 179,700

Table 43.--1707. North Point Consolidated Canal below Goss flume, at Salt Lake City

Location.--Lat 40°46'22", long 111°58'43", in SE¼SW¼ sec. 32, T. 1 N., R. 1 W., on right bank at downstream end of Goss flume over Surplus Canal, about 350 feet north of U.S. Highway 40, and 4.7 miles northwest of Salt Lake City.

Records available.--October 1963 to September 1968.

Gage.--Water-stage recorder.

Extremes.--1963-68: Maximum daily discharge, 96 cfs May 25, 1967; no flow for long periods.

Remarks.--Records fair. This canal diverts from the Surplus Canal for irrigation and is connected with the Brighton Canal system which diverts from the Jordan River. (See fig. 5 and table 16.)

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	30				0	29	42		72	69	66
2	0	30				0	44	38		74	69	66
3	0	29				0	39	44		74	74	37
4	0	29				0	32	50		74	76	4
5	0	29				0	31	54		76	38	0
6	41	29				0	25	53		76	0	0
7	62	30				0	10	58		74	0	0
8	62	29				0	9	48		62	0	0
9	61	29				0	9	8	65	7	0	0
10	62	30				0	9	60		43	0	22
11	63	29				0	9	66		73	0	35
12	63	30				0	10	67		56	0	33
13	60	31				0	10	62		70	0	32
14	60	31				0	9	55		70	52	37
15	58	30				0	9	52		44	76	38
16	56	30				0	10	47		0	74	39
17	56	29				0	10	19		0	76	40
18	56	28				0	9	57	71	0	72	42
19	56	28				0	9	50	76	0	51	42
20	57	28				0	9	47	76	2	34	42
21	56	30				0	10	52	73	66	32	44
22	56	29				0	9	55	69	78	36	40
23	56	28				0	6	57	73	78	36	41
24	55	29				0	6	48	74	76	33	40
25	53	29				0	6	57	72	81	31	43
26	54	29				0	6	58	64	80	32	42
27	47	28				0	6	62	62	78	38	42
28	34	22				3	6	44	72	78	38	42
29	32	4				4	7	8	72	78	39	42
30	31	0			----------	6	24	4	73	77	48	42
31	30	----------			----------	18	----------	40	----------	74	63	----------
Total	1,377	816	0	0	0	31	417	1,462	2,032	1,791	1,187	993
Mean	44.4	27.2	0	0	0	1.0	13.9	47.2	67.7	57.8	38.3	33.1
Ac-ft	2,730	1,620	0	0	0	61	827	2,900	4,030	3,550	2,350	1,970

Calendar year 1967 : Max 96 Min 0 Mean 26.9 Ac-ft 19,500
Water year 1967-68: Max 81 Min 0 Mean 27.6 Ac-ft 20,040

Table 44.--1708. Surplus Canal at Cohen flume, near Salt Lake City

Location.--Lat 40°47'54", long 112°00'51", in SW¼SE¼ sec. 24, T. 1 N., R. 2 W., 0.3 mile downstream from spillway to Goggin Drain, 3.2 miles downstream from bridge on U.S. Highway 40, and 6.9 miles northwest of Salt Lake City.

Records available.--October 1963 to September 1968.

Gage.--Water-stage recorder.

Extremes.--1963-68: Maximum daily discharge, about 600 cfs June 7, 8, 1964; minimum daily, 16 cfs Aug. 25, 1964.

Remarks.--Records poor. Water is diverted above the station for irrigation and to Goggin Drain and below the station to waterfowl ponds. (See fig. 5.)

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	232	117	152		120	39	a 30			111	68	35
2	223	111	142		115	38	a 40			92	38	33
3	220	104	128		108	37	a 40	a 85	a 350	91	41	41
4	226	105	143		108	37	a 120			98	50	
5	172	106	143		105	39	a 120			124	91	
6	185	111	149		103	39	a 160			115	90	
7	202	114	148		100	46	a 250	70	548	98	66	
8	198	116	117		101	47	351		a 500	122	71	
9	186	112			101	64			a 450	127	a 80	
10	167	116			102	73			a 400	119	a 70	
11	159	116		a 120	101	60				141	a 70	
12	153	122			105	55				164	a 65	
13	142	135			112	44	a 200			172	64	
14	134	132			121	29		a 120		161	50	
15	119	119				29			a 220	181	64	
16	93	102				52				200	50	
17	82	90								115	55	a 100
18	74	93					142			141	68	
19	72	93				a 100				140	a 70	
20	79	90	a 130						178	76	a 70	
21	89	101							174	27	73	
22	102	102		106	a 160				138	72	a 80	
23	108	95		98		b 70			126	258	a 80	
24	112	96		98			a 150		152	238	a 70	
25	116	94		112		74			156	152	a 70	
26	131	96		108		b 80		a 200	120	98	65	
27	146	94		113					96	91	70	
28	164	95		127					128	68	67	
29	180	118		121	40	a 75			130	71	64	
30	148	123		122	----------				134	92	55	
31	125	----------		121	----------		----------		----------	116	45	----------
Total	4,539	3,218	4,112	3,646	3,782	1,967	4,853	4,260	7,510	3,871	2,030	2,809
Mean	146	107	133	118	130	63.5	162	137	250	125	65.5	93.6
Ac-ft	9,000	6,380	8,160	7,230	7,500	3,900	9,630	8,450	14,900	7,680	4,030	5,570

Calendar year 1967: Max 502 Min 20 Mean 127 Ac-ft 92,000
Water year 1967-68: Max - Min - Mean 127 Ac-ft 92,430

a No gage-height record; discharge estimated.
b Stage-discharge relation affected by variable backwater; discharge estimated.

Table 45.--1710. Jordan River at Salt Lake City

Location.--Lat 40°43'40", long 111°55'25", in SW¼SW¼ sec. 14, T. 1 S., R. 1 W., on left bank 800 ft downstream from diversion structure at head of Surplus Canal, 0.2 mile downstream from Highway bridge on 21st South Street, Salt Lake City, and 2 miles downstream from Mill Creek.

Drainage area.--3,420 sq mi, approximately, (including 255 sq mi in closed basin in Cedar Valley, Utah County).

Records available.--December 1942 to September 1968. December 1942 to September 1960 in the annual series of Water-Supply Papers of the U.S. Geological Survey, with monthly summaries in WSP 1314 and 1734. October 1960 to September 1968 in Surface Water Records of Utah, published annually.

Gage.--Water-stage recorder. Datum of gage is 4,220.73 ft above mean sea level, datum of 1929.

Average discharge.--25 years (1943-68), 139 cfs (100,600 acre-ft per year).

Extremes.--1942-68: Maximum discharge, 384 cfs June 3, 1944; no flow on several days in 1952, 1962-65 (entire flow of Jordan River diverted to Surplus Canal). Maximum combined discharge (Jordan River and Surplus Canal), 1,820 cfs June 7, 1952; minimum daily 89 cfs June 23, 1961.

Remarks.--Records good. Flow is completely regulated since reconstruction in May 1952 of the Surplus Canal diversion dam 800 ft upstream (fig. 5). Flow is affected by gates and pumps at outlet of Utah Lake. Many diversions above station for industrial and municipal water supplies and irrigation. See table 42 for records of discharge of Surplus Canal; see the following page for records of the combined discharge.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	169	125	109	122	118	125	146	165	30	173	167	157
2	172	124	106	123	117	125	153	152	30	164	168	156
3	168	122	105	120	117	123	142	104	30	165	173	158
4	168	122	106	117	116	125	138	81	30	165	178	157
5	135	120	114	117	116	125	136	76	64	171	177	161
6	150	121	119	116	115	125	146	64	63	168	173	163
7	176	121	120	115	115	130	161	54	56	164	168	164
8	177	129	120	115	115	122	165	76	54	161	165	165
9	176	128	121	115	115	121	169	84	52	159	176	165
10	171	120	120	120	115	113	169	85	50	161	174	162
11	169	118	120	118	115	112	169	120	49	167	173	165
12	169	120	120	116	116	113	168	152	95	164	175	173
13	167	94	119	116	120	111	167	157	150	161	173	173
14	166	97	117	115	117	109	165	105	150	158	158	174
15	160	124	115	115	117	106	168	107	144	153	154	173
16	154	121	114	114	121	106	166	100	139	153	172	176
17	151	119	113	115	121	130	161	103	176	151	120	178
18	150	120	110	113	123	127	160	98	201	153	113	180
19	151	118	109	115	125	130	161	97	202	153	117	174
20	152	118	116	115	128	131	165	116	200	155	134	157
21	147	123	125	115	130	137	148	156	200	155	157	143
22	145	119	130	115	128	138	136	160	195	161	85	139
23	145	121	135	113	130	138	135	95	194	190	129	161
24	145	120	135	113	127	137	156	63	201	177	165	183
25	128	120	135	102	124	128	178	55	192	172	158	177
26	116	119	139	119	128	145	176	52	181	169	169	173
27	115	121	139	119	134	169	176	45	177	162	174	173
28	118	121	131	118	129	164	172	30	181	161	168	170
29	115	122	123	118	127	170	172	30	181	166	167	170
30	118	115	123	119	----------	158	169	30	179	170	165	173
31	125	----------	120	118	----------	150	----------	30	----------	168	162	----------
Total	4,668	3,582	3,728	3,601	3,519	4,043	4,793	2,842	3,846	5,070	4,907	4,993
Mean	151	119	120	116	121	130	160	91.7	128	164	158	166
Ac-ft	9,260	7,100	7,390	7,140	6,980	8,020	9,510	5,640	7,630	10,060	9,730	9,900

Calendar year 1967: Max 194 Min 30 Mean 133 Ac-ft 95,970
Water year 1967-68: Max 202 Min 30 Mean 135 Ac-ft 98,360

Table 45.--1710. Jordan River at Salt Lake City--Continued

Combined discharge, in cubic feet per second, of Jordan River and Surplus Canal at Salt Lake City, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	349	272	262	266	247	278	256	480	625	399	333	340
2	366	265	238	270	235	275	345	463	611	354	362	336
3	341	260	237	258	233	264	343	399	865	362	377	345
4	344	263	241	240	224	269	297	357	913	373	427	337
5	332	261	235	240	224	275	286	288	1,040	412	418	362
6	380	259	248	242	220	272	358	348	1,040	387	377	382
7	402	259	252	233	220	303	564	288	910	365	348	383
8	407	219	252	233	218	285	599	249	899	362	335	387
9	402	218	247	236	218	358	603	240	863	339	413	387
10	372	220	252	238	223	347	616	244	765	362	411	363
11	363	218	252	241	218	316	630	279	697	397	407	373
12	359	228	252	229	224	296	625	349	724	379	416	399
13	347	257	240	226	236	284	605	402	798	362	403	377
14	346	268	240	223	240	268	612	428	836	355	422	382
15	307	268	238	225	238	250	620	488	725	326	434	370
16	275	256	243	222	237	253	609	447	729	323	406	391
17	264	240	245	220	239	499	550	414	742	295	443	404
18	260	238	236	216	255	593	554	370	734	306	502	414
19	261	234	235	223	272	559	559	357	744	297	587	375
20	265	239	242	223	301	538	599	372	733	305	541	402
21	263	267	238	223	331	540	600	475	709	302	437	442
22	263	248	235	223	329	558	602	712	670	344	607	419
23	266	244	238	211	338	567	546	1,040	679	601	705	445
24	261	243	240	216	324	571	585	812	758	504	533	436
25	263	243	243	218	307	562	585	559	644	444	473	411
26	263	237	260	229	301	611	570	518	520	370	445	395
27	262	239	268	242	335	576	570	465	457	321	415	381
28	281	234	278	247	305	584	540	424	457	317	398	364
29	288	240	273	241	286	477	532	477	457	342	393	367
30	277	238	270	251	----------	341	508	687	439	364	369	388
31	275	----------	261	247	----------	291	----------	707	----------	341	359	----------
Total	9,704	7,375	7,691	7,252	7,578	12,460	15,868	14,138	21,783	11,310	13,496	11,557
Mean	313	246	248	234	261	402	529	456	726	365	435	385
Ac-ft	19,250	14,630	15,250	14,380	15,030	24,710	31,470	28,040	43,210	22,430	26,770	22,920

Calendar year 1967: Max 960 Min 180 Mean 336 Ac-ft 243,500
Water year 1967-68: Max 1,040 Min 211 Mean 383 Ac-ft 278,100

Table 46.--1715 F. Diversion to Salt Lake City water supply from Mountain Dell Reservoir, near Salt Lake City

Location.--In SE¼NE¼ sec. 9, T. 1 S., R. 2 E., at Mountain Dell Dam, and 9 miles east of Salt Lake City.

Records available.--October 1963 to September 1968. Records for previous years in the files of the Salt Lake City Water Department.

Gage.--Weir at the intake to the pipeline.

Extremes.--1963-68: Maximum daily discharge, 54.4 cfs Aug. 13, 1967; no flow for long periods.

Cooperation.--Record furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.2	18.9	10.2	8.1	12.9	6.2	13.0	37.5	42.3	36.7	32.6	0
2	7.8	11.6	20.5	11.2	13.6	.2	9.3	29.9	44.6	38.3	15.2	0
3	7.4	14.3	12.6	12.2	12.6	0	14.0	36.4	44.5	43.6	20.3	0
4	8.1	3.4	13.5	12.4	12.2	0	8.4	31.3	42.9	36.6	11.2	0
5	14.1	0	6.2	12.1	12.9	0	8.4	20.3	18.4	37.0	21.7	0
6	3.4	14.3	23.3	12.7	12.4	0	6.7	14.6	17.1	37.0	40.3	16.1
7	4.2	17.1	22.6	12.6	11.0	1.1	1.2	26.3	23.3	33.8	37.0	22.8
8	7.1	20.8	15.5	12.4	14.0	10.9	4.3	9.8	21.7	41.7	34.1	23.7
9	13.6	28.0	7.0	11.6	11.9	0	11.0	0	10.9	43.4	29.5	29.5
10	29.1	14.4	6.4	11.6	12.4	0	12.4	0	20.2	32.6	15.5	34.1
11	30.2	21.7	14.4	5.4	10.9	.9	18.8	0	33.9	32.6	15.5	20.9
12	36.3	21.1	9.3	16.7	10.2	.9	18.6	0	45.9	34.4	27.9	21.7
13	40.3	19.2	15.5	18.1	12.4	6.4	23.3	0	47.1	40.3	23.3	30.7
14	33.8	23.3	9.3	15.5	9.8	7.8	29.5	0	43.4	39.1	15.5	31.6
15	35.7	23.1	11.5	15.5	12.4	10.4	29.3	0	43.4	44.0	2.5	10.2
16	30.1	23.1	8.1	17.1	9.3	22.6	20.1	0	35.7	43.4	17.2	13.3
17	31.8	24.8	9.6	21.1	9.3	0	23.3	0	39.2	48.2	9.1	14.1
18	45.0	21.4	15.3	14.0	9.3	0	21.5	11.3	36.1	38.4	.3	23.3
19	41.4	27.0	15.3	9.6	8.7	0	23.1	15.5	37.2	44.8	0	31.0
20	41.1	18.9	10.9	14.6	9.1	0	23.9	20.9	34.1	37.0	2.6	20.2
21	33.2	5.9	7.8	18.3	4.7	7.6	22.6	26.3	37.2	36.3	7.8	6.0
22	35.3	9.3	7.8	23.1	3.1	14.0	19.4	10.9	38.8	31.3	0	14.0
23	35.3	9.3	14.0	21.4	6.5	11.3	24.0	13.0	20.2	23.3	0	21.7
24	28.7	15.5	11.6	12.2	2.9	11.6	18.3	23.3	14.4	40.3	0	22.8
25	14.6	3.1	6.0	14.0	0	7.8	24.8	21.7	32.6	43.4	.5	23.9
26	21.7	7.6	9.9	9.5	0	12.7	27.9	17.1	32.6	44.6	4.2	36.1
27	21.2	23.3	7.9	11.2	0	18.6	21.7	28.7	37.2	39.5	0	40.0
28	20.0	20.2	8.8	12.9	13.8	24.2	26.4	36.1	37.4	39.1	0	40.3
29	23.1	13.0	9.1	11.0	3.7	19.1	30.4	37.2	23.6	41.9	0	33.0
30	3.3	9.8	10.9	12.1	----------	9.5	31.0	25.6	19.5	46.2	1.3	22.5
31	.5	----------	4.7	12.9	----------	8.8	----------	43.2	----------	37.0	0	----------
Total	703.6	483.4	355.5	423.1	262.0	212.6	566.6	536.9	975.4	1,205.8	385.1	603.5
Mean	22.7	16.1	11.5	13.6	9.03	6.86	18.9	17.3	32.5	38.9	12.4	20.1
Ac-ft	1,400	959	705	839	520	422	1,120	1,060	1,930	2,390	764	1,200

Calendar year 1967 : Max 54.4 Min 0 Mean 15.6 Ac-ft 11,300
Water year 1967-68 : Max 48.2 Min 0 Mean 18.3 Ac-ft 13,310

Table 47.--1716. Parleys Creek at Suicide Rock, near Salt Lake City

Location.--Lat 40°42'35", long 111°47'48", in NE¼NE¼ sec. 26, T. 1 S., R. 1 E., at mouth of canyon about 0.1 mile upstream from Wasatch Boulevard, and 6 miles southeast of Salt Lake City.

Drainage area.--50.7 sq mi.

Records available.--October 1963 to September 1968. Records for station 1715, at a site 0.7 mile upstream; August 1898 to September 1963 (monthly flow for August 1898 to September 1960, adjusted for diversion and change in reservoir contents, in U.S. Geological Survey WSP 1314 and 1734; October 1960 to September 1963 in the files of the Salt Lake City Water Department).

Gage.--Water-stage recorder. Altitude of gage is 4,710 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 219 cfs May 19, 1964; no flow on Oct. 27, 29, 31, Nov. 1, 2, 1963.

Remarks.--Records good. Flow regulated by Mountain Dell Reservoir (capacity, about 3,400 acre-ft). Diversion to Salt Lake City (1715 F, table 46) bypasses this station. The monthly flow of Parleys Creek, adjusted for diversion and change in reservoir contents, is shown following the daily discharge table. A diversion of 100-200 acre-feet per year (mostly during May-September) to irrigate the Mountain Dell Golf Course is not included in the adjusted flow.

Cooperation.--Records for Mountain Dell Reservoir and the diversion to the Salt Lake City water supply furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.6	2.4	2.4	2.4	1.7	4.0	5.7	25	75	16	3.9	2.8
2	2.4	2.4	2.3	2.4	1.7	4.0	8.0	53	58	13	3.5	2.8
3	2.4	2.4	2.3	2.4	1.7	4.0	8.0	69	48	10	3.5	2.8
4	2.3	2.4	2.3	2.3	1.8	3.9	7.6	73	44	7.3	3.3	2.8
5	3.1	2.3	2.3	2.3	1.9	3.7	7.3	75	69	6.1	3.3	2.6
6	2.9	2.3	2.4	2.2	1.9	3.7	7.6	59	84	5.7	3.7	2.8
7	2.4	2.2	2.3	2.2	1.8	4.4	7.3	89	84	5.4	4.6	2.6
8	2.3	2.2	2.3	2.3	1.8	3.7	6.5	52	53	5.4	3.5	2.6
9	2.3	2.2	2.2	2.3	1.7	4.4	8.8	16	53	5.4	3.3	2.6
10	2.3	2.3	2.3	2.3	1.7	4.1	7.3	12	77	5.4	3.5	2.6
11	2.2	2.3	2.3	2.3	1.7	4.1	6.9	12	91	5.4	3.3	2.4
12	2.3	2.4	2.3	2.0	1.7	4.2	7.6	11	42	5.4	3.1	2.4
13	2.3	2.4	2.0	2.2	1.7	4.2	8.4	11	30	5.0	2.9	2.4
14	2.4	2.4	1.9	2.2	1.7	4.2	8.8	11	20	6.1	3.1	2.4
15	2.4	2.4	2.0	1.9	1.7	4.5	8.8	11	12	7.6	3.1	2.3
16	2.4	2.4	2.2	1.9	1.8	4.5	9.2	10	11	6.1	3.3	2.3
17	2.3	2.4	2.2	1.9	1.9	4.5	8.8	9.6	11	6.1	4.1	2.3
18	2.2	2.4	2.2	1.8	2.2	4.6	12	12	11	5.7	3.7	2.3
19	2.2	2.4	2.2	1.9	2.2	4.6	22	9.6	10	5.7	3.9	2.3
20	2.2	2.4	2.3	1.8	2.8	4.6	24	9.2	9.6	5.0	3.1	3.1
21	2.3	2.9	2.3	1.8	3.3	4.6	24	12	8.8	5.0	2.9	2.9
22	2.3	2.6	2.3	1.8	3.7	4.6	24	18	8.4	5.4	5.4	2.9
23	2.3	2.6	2.3	1.7	3.9	4.6	25	53	8.0	6.1	4.1	2.6
24	2.3	2.8	2.3	1.7	3.9	4.6	10	102	8.4	5.0	3.3	2.6
25	2.6	2.8	2.4	1.7	3.9	4.6	9.0	129	10	5.7	3.1	2.4
26	2.6	2.6	2.9	1.7	4.1	4.8	9.0	139	13	5.0	2.8	2.4
27	2.6	2.4	2.9	1.7	4.1	4.8	8.5	102	16	4.4	2.9	2.4
28	2.6	2.3	2.9	1.7	4.1	5.0	8.5	69	12	3.9	3.9	2.4
29	2.4	2.3	2.8	1.7	4.0	5.0	8.4	78	11	3.9	3.5	2.3
30	2.4	2.3	2.8	1.7	----------	5.0	8.8	108	17	3.7	3.1	2.3
31	2.4	----------	2.4	1.7	----------	5.0	----------	115	----------	3.7	2.8	----------
Total	74.7	72.6	73.0	61.9	72.1	136.5	325.8	1,554.4	1,005.2	189.6	107.5	76.4
Mean	2.41	2.42	2.35	2.00	2.49	4.40	10.9	50.1	33.5	6.12	3.47	2.55
Ac-ft	148	144	145	123	143	271	646	3,080	1,990	376	213	152

Calendar year 1967: Max 95 Min 1.9 Mean 7.84 Ac-ft 5,670
Water year 1967-68: Max 139 Min 1.7 Mean 10.2 Ac-ft 7,430

Monthly diversion, change in reservoir contents, and adjusted total flow, in acre-feet

		Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Mountain Dell Reservoir	Contents at first of month	2,296	1,526	1,150	935	513	585	1,108	1,475	2,720	3,077	2,273	2,509	2,020
	Change in contents	-770	-376	-215	-422	+72	+523	+367	+1,245	+357	-804	+236	-489	
Diversion to Salt Lake City (1715 F)		1,400	959	705	839	520	422	1,120	1,060	1,930	2,390	764	1,200	
Parleys Creek	At Suicide Rock (1716)	148	144	145	123	143	271	646	3,080	1,990	376	213	152	
	Adjusted total flow	778	727	635	540	735	1,220	2,130	5,380	4,280	1,960	1,210	863	

Adjusted total flow: Calendar year 1967, 17,860; water year 1967-68, 20,460

Table 48.--1719. Emigration Creek below Burr Fork, near Salt Lake City

Location.--Lat 40°47'14", long 111°42'44", in SE¼SW¼ sec. 27, T. 1 N., R. 2 E., on left bank 200 ft upstream from culvert on Utah Highway 65, about 0.3 mile below Burr Fork, and 10 miles northeast of Salt Lake City.

Drainage area.--5.9 sq mi.

Records available.--May 1963 to September 1968. Prior to May 7, 1964, infrequent readings only.

Gage.--Water-stage recorder and Parshall flume. Altitude of gage is 5,820 ft (from topographic map). Prior to May 7, 1964, staff gage at site about 0.2 mile upstream at different datum.

Extremes.--1963-68: Maximum daily discharge, 45 cfs Apr. 23, 1965; minimum daily recorded, 0.2 cfs several days in 1963 and 1966.

Remarks.--Records poor. No diversions above the station except for local domestic use.

Cooperation.--Gage-height record furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	a0.6	a0.6		a0.5	2.8	9.3	11	12	3.3	0.7	0.7
2	.7	a.6	a.5		a.5	3.1	12	13	12	3.0	.8	.7
3	.7	a.6	a.5		a.5	3.2	10	15	11	2.7	.8	.7
4	.7	a.6	.5		a.5	3.5	9.0	a16	11	2.4	1.0	.7
5	1.0	a.6			.5	3.7	9.3	a16	12	2.3	.6	.7
6	1.0	.6				3.7	9.3	15	11	2.1	.6	.6
7	.7	.6				3.7	8.2	14	10	2.0	.7	.5
8	.7	.6				3.2	7.5	a13	10	2.0	.7	.5
9	.7	.5				3.0	7.4	a13	9.6	1.9	.7	.5
10	.7	.5				2.6	8.0	a13	9.3	1.9	.7	.5
11	.6	.5				2.3	9.0	a13	8.5	1.8	.6	.5
12	.6	.5			a.5	2.2	a11	a12	7.8	1.7	.5	.5
13	.6	.4				2.4	a12	11	7.5	1.7	.9	.5
14	.5	.4				2.4	a10	11	7.0	1.6	1.2	.5
15	.5	.4		a0.5		2.3	11	11	6.6	1.4	1.3	.5
16	.5	.4				2.3	11	9.6	6.1	1.4	1.1	.5
17	.5	.4				2.6	11	9.0	5.8	1.3	1.7	.5
18	.5	.4	a.5			2.7	10	8.5	5.8	1.2	1.7	.5
19	.5	.5			.5	2.3	9.4	8.0	5.6	1.1	1.4	.5
20	.5	.6			2.1	2.2	9.1	8.2	5.4	1.0	.7	.7
21	.5	.8			2.3	2.6	8.8	a9.0	5.0	.9	.7	.7
22	.6	.7			2.0	3.1	8.3	a10	4.8	.9	2.0	.6
23	.6	a.7			1.5	4.1	8.0	a12	4.9	.9	1.3	.6
24	.6	a.7			2.2	4.8	7.7	a14	4.9	.9	.9	.6
25	.6	a.7			2.0	5.2	7.4	a14	4.6	.9	.7	.6
26	.6	a.7			2.7	5.8	7.2	a13	4.4	.8	.7	.5
27	.6	.7			3.0	5.2	7.0	12	4.1	.7	.7	.5
28	.7	a.6			2.4	5.4	7.2	13	3.9	.7	.7	.5
29	.7	a.6			2.4	6.7	7.7	13	3.9	.7	.7	.5
30	.7	a.6			----------	8.2	9.0	13	3.7	.7	.7	.5
31	.6	----------			----------	8.6	----------	13	----------	.7	.7	----------
Total	19.6	17.1	15.6	15.5	32.1	115.9	271.8	376.3	218.2	46.6	28.2	16.9
Mean	0.63	0.57	0.50	0.50	1.11	3.74	9.06	12.1	7.27	1.50	0.91	0.56
Ac-ft	39	34	31	31	64	230	539	746	433	92	56	34

Calendar year 1967: Max 14 Min - Mean 2.37 Ac-ft 1,720
Water year 1967-68: Max 15 Min - Mean 3.21 Ac-ft 2,330

a No gage-height record; discharge estimated.

Table 49.--1719 A. Diversion from Emigration Tunnel Springs to the Salt Lake City water supply

Location.--In NE¼NE¼ sec. 11, T. 1 S., R. 1 E., on left bank of Emigration Creek 0.8 mile upstream from east boundary of Hogle Garden Zoo, and about 5 miles southeast of Salt Lake City.

Records available.--July 1906 to September 1968. Monthly discharge only for July 1906 to September 1960 in WSP 1314 and 1734. Records for October 1960 to September 1963 in the files of the Salt Lake City Water Department.

Gage.--Two-foot Cipolletti weir.

Extremes.--1963-68: Maximum daily discharge, 3.4 cfs May 27 to July 14, 1968; minimum daily, 0.4 cfs Mar. 16-31, 1965.

Remarks.--No water from Emigration Tunnel Springs reached Emigration Creek without diversion this year.

Cooperation.--Record furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.9	1.7	1.7	1.7	1.6	1.8	2.3	2.9	3.4	3.4	3.1	3.0
2	1.8	1.7	1.7	1.7	1.6	1.8	2.3	2.9	3.4	3.4	3.1	2.7
3	1.8	1.7	1.7	1.7	1.6	1.8	2.3	2.9	3.4	3.4	3.1	2.7
4	1.8	1.7	1.7	1.7	1.6	1.8	2.3	2.9	3.4	3.4	3.1	2.7
5	1.8	1.7	1.7	1.7	1.6	1.8	2.3	2.9	3.4	3.4	3.1	2.7
6	1.8	1.7	1.7	1.7	1.6	1.8	2.3	3.0	3.4	3.4	3.1	2.7
7	1.8	1.7	1.7	1.7	1.6	1.8	2.3	3.0	3.4	3.4	3.1	2.7
8	1.8	1.7	1.7	1.6	1.6	1.8	2.4	3.0	3.4	3.4	3.1	2.7
9	1.8	1.7	1.7	1.6	1.6	1.8	2.4	3.0	3.4	3.4	3.1	2.7
10	1.8	1.7	1.7	1.6	1.6	1.8	2.4	3.0	3.4	3.4	3.1	2.7
11	1.8	1.7	1.7	1.6	1.6	1.8	2.4	3.0	3.4	3.4	3.1	2.7
12	1.8	1.7	1.7	1.6	1.6	1.8	2.4	3.0	3.4	3.4	3.1	2.7
13	1.8	1.7	1.7	1.6	1.6	1.8	2.4	3.1	3.4	3.4	3.1	2.7
14	1.8	1.7	1.7	1.6	1.6	1.8	2.4	3.1	3.4	3.4	3.1	2.7
15	1.8	1.7	1.7	1.6	1.6	1.8	2.7	3.1	3.4	3.3	3.1	2.7
16	1.8	1.7	1.7	1.6	1.6	1.8	2.7	3.1	3.4	3.3	3.1	2.5
17	1.8	1.7	1.7	1.6	1.6	1.8	2.7	3.1	3.4	3.3	3.1	2.5
18	1.8	1.7	1.6	1.6	1.6	1.8	2.7	3.1	3.4	3.3	3.1	2.5
19	1.8	1.7	1.6	1.6	1.6	1.8	2.7	3.1	3.4	3.3	3.1	2.5
20	1.8	1.7	1.6	1.6	1.6	1.8	2.7	3.3	3.4	3.3	3.1	2.5
21	1.8	1.7	1.6	1.6	1.6	1.8	2.7	3.3	3.4	3.3	3.1	2.5
22	1.8	1.7	1.6	1.6	1.6	1.8	2.8	3.3	3.4	3.3	3.1	2.5
23	1.8	1.7	1.6	1.6	1.6	1.8	2.8	3.3	3.4	3.3	3.1	2.5
24	1.7	1.7	1.6	1.6	1.6	1.8	2.8	3.3	3.4	3.3	3.1	2.5
25	1.7	1.7	1.6	1.6	1.6	2.1	2.8	3.3	3.4	3.3	3.1	2.5
26	1.7	1.7	1.6	1.6	1.8	2.1	2.8	3.3	3.4	3.3	3.0	2.5
27	1.7	1.7	1.6	1.6	1.8	2.1	2.8	3.4	3.4	3.3	3.0	2.5
28	1.7	1.7	1.6	1.6	1.8	2.1	2.8	3.4	3.4	3.3	3.0	2.5
29	1.7	1.7	1.6	1.6	1.8	2.1	2.9	3.4	3.4	3.1	3.0	2.5
30	1.7	1.7	1.6	1.6	----------	2.1	2.9	3.4	3.4	3.1	3.0	2.5
31	1.7	----------	1.6	1.6	----------	2.1	----------	3.4	----------	3.1	3.0	----------
Total	55.1	51.0	51.3	50.3	47.2	57.9	77.2	97.3	102.0	103.1	95.5	78.3
Mean	1.78	1.70	1.65	1.62	1.69	1.87	2.57	3.14	3.40	3.33	3.08	2.61
Ac-ft	109	101	102	100	94	115	153	193	202	204	189	155

Calendar year 1967: Max 2.9 Min 1.6 Mean 2.16 Ac-ft 1,560
Water year 1967-68: Max 3.4 Min 1.6 Mean 2.37 Ac-ft 1,720

Table 50.--1720. Emigration Creek near Salt Lake City

Location.--Lat 40°45'00", long 111°48'45", in SW¼NW¼ sec. 11, T. 1 S., R. 1 E., at east boundary of Hogle Garden Zoo near mouth of canyon, 4 miles southeast of Salt Lake City.

Drainage area.--18 sq mi, approximately.

Records available.--June 1900 to September 1968. Monthly discharge only for October 1898 to September 1960, published in WSP 1314 and 1734. Records for October 1960 to September 1963 in the files of the Salt Lake City Water Department.

Gage.--Water-stage recorder and concrete flume (48-inch rectangular weir in flume Oct. 1 to Mar. 26). Altitude of gage is 4,870 ft (from topographic map).

Extremes.--1900-68: Maximum daily discharge, 156 cfs April 26, 1952; minimum not determined.

Remarks.--Records fair. No regulation. Water is diverted by pipeline from Emigration Tunnel Springs upstream from the station for the Salt Lake City water supply (table 49).

Cooperation.--Gage-height record furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	1.3	1.2	1.1	0.9	4.2	11	15	20	8.2	3.5	3.0
2	1.6	1.3	.9	1.1	.9	4.2	15	17	19	7.6	3.5	3.0
3	1.2	1.2	1.0	1.1	1.0	4.2	14	19	19	7.4	3.5	2.7
4	1.1	1.3	1.1	1.0	1.0	4.2	14	20	19	7.1	3.8	2.7
5	1.4	1.2	1.2	.9	1.1	4.3	15	20	19	7.1	3.5	2.7
6	1.3	1.3	1.1	1.0	1.1	4.5	17	21	18	6.8	3.0	2.7
7	1.2	1.4	1.1	1.0	1.1	4.9	15	19	18	6.6	2.7	2.5
8	1.2	1.4	1.2	1.0	1.1	4.6	14	18	18	6.3	3.0	2.5
9	1.2	1.3	1.0	1.0	1.1	4.7	13	17	18	6.3	3.2	2.5
10	1.2	1.3	1.2	1.0	1.2	4.6	14	17	17	6.0	3.2	2.3
11	1.1	1.3	1.3	1.0	1.2	3.8	16	17	16	6.3	3.2	2.3
12	1.1	1.2	1.2	1.0	1.1	3.9	18	17	15	5.8	3.2	2.3
13	1.1	1.3	1.2	1.0	.8	4.1	19	17	15	5.6	3.2	2.0
14	1.1	1.3	1.2	1.0	1.0	4.1	17	17	14	5.6	3.5	2.0
15	1.1	1.3	1.2	1.1	.8	4.1	17	16	14	5.3	3.5	2.0
16	1.1	1.3	1.2	1.1	1.1	4.2	18	15	13	4.8	3.5	1.8
17	1.1	1.3	1.2	1.1	1.1	4.1	17	14	13	4.5	4.0	1.8
18	1.1	1.3	1.2	1.1	1.1	4.2	16	13	12	4.8	4.5	1.8
19	1.1	1.3	1.2	1.1	1.4	4.2	15	13	11	4.5	4.5	1.8
20	1.1	1.3	1.2	1.1	3.2	4.3	15	13	11	4.5	3.8	1.8
21	1.2	1.6	1.2	1.1	5.0	4.1	14	14	11	4.8	4.0	2.3
22	1.2	1.6	1.2	1.0	5.2	3.9	14	15	10	4.8	4.0	2.3
23	1.2	1.4	1.2	1.0	3.1	4.1	13	19	9.4	5.0	3.8	2.3
24	1.3	1.4	1.2	1.0	3.8	4.1	13	23	9.8	4.8	3.8	2.0
25	1.3	1.4	1.2	1.0	4.3	4.2	12	23	9.4	4.5	3.5	2.0
26	1.3	1.4	1.2	1.0	4.2	4.6	12	22	8.8	4.2	3.5	2.0
27	1.3	1.0	1.2	1.0	5.1	6.8	12	22	8.2	4.0	3.5	2.0
28	1.6	1.1	1.1	1.0	4.9	6.8	12	22	8.4	3.8	3.5	2.0
29	1.6	1.1	1.1	1.0	4.2	7.4	12	22	8.2	3.8	3.2	1.8
30	1.4	1.1	1.1	1.0	----------	7.9	14	22	8.2	3.8	3.2	1.8
31	1.3	----------	1.1	1.0	----------	9.1	----------	21	----------	3.5	3.2	----------
Total	38.5	39.0	35.9	31.9	63.1	148.4	438	560	410.4	168.1	109.0	66.7
Mean	1.24	1.30	1.16	1.03	2.18	4.79	14.6	18.0	13.7	5.42	3.52	2.22
Ac-ft	76	77	71	63	125	294	869	1,110	814	333	216	132

Calendar year 1967: Max 17 Min 0.8 Mean 3.41 Ac-ft 2,470
Water year 1967-68: Max 23 Min 0.8 Mean 5.76 Ac-ft 4,180

Table 51.--1721. Emigration Creek below 1300 East, at Salt Lake City

Location.--Lat 40°43'49", long 111°51'18", in NE¼SE¼ sec. 17, T. 1 S., R. 1 E., about 500 ft downstream from 1300 East Street in Salt Lake City.

Drainage area.--19 sq mi, approximately.

Records available.--October 1963 to September 1968.

Gage.--Water-stage recorder. Altitude of gage is 4,400 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 70 cfs (estimated) May 16, 1964; no flow for long periods in 1963-64.

Remarks.--Records fair.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.0	4.2	4.4	4.4	1.0	4.0	10	12	16	7.3	2.1	2.2
2	4.0	3.4	4.0	4.7	1.0	3.8	21	15	16	5.7	2.3	2.1
3	3.5	3.6	4.0	4.7	1.7	3.8	12	18	16	6.6	2.0	1.7
4	3.5	3.6	4.0	4.4	1.0	3.8	11	18	16	6.3	2.6	1.5
5	4.0	3.6	4.0	4.7	1.0	4.0	12	19	19	5.7	2.0	1.4
6	4.0	3.6	4.2	4.4	1.0	4.4	16	18	17	5.7	2.0	1.5
7	4.0	3.6	4.0	4.2	1.0	6.7	12	16	16	5.4	2.5	1.4
8	3.5	3.6	4.2	4.4	1.0	5.2	11	16	19	5.0	2.8	1.3
9	3.5	3.4	3.8	4.4	1.0	8.9	11	15	14	4.2	2.8	1.3
10	3.5	3.6	4.0	4.4	1.0	4.2	11	14	14	4.0	2.2	1.2
11	3.5	3.6	4.0	4.7	1.1	3.6	12	14	12	3.6	2.1	1.2
12	3.5	3.4	4.0	4.4	1.2	3.6	14	15	12	4.2	1.8	1.2
13	3.6	3.0	4.0	4.4	1.0	3.8	16	14	11	3.3	1.5	1.2
14	4.2	2.1	4.0	4.4	1.8	3.8	15	16	11	3.0	1.8	1.1
15	3.4	3.4	4.0	4.4	1.0	3.6	14	16	11	3.0	1.7	1.1
16	3.4	3.4	4.0	4.4	1.4	3.4	16	14	11	2.8	1.6	1.1
17	3.4	3.6	4.0	4.7	1.5	6.7	14	13	10	2.6	7.0	1.1
18	3.3	3.6	4.0	4.4	1.8	5.4	13	12	7.6	2.6	4.8	1.2
19	3.4	3.6	4.0	4.7	1.5	4.4	13	12	10	2.6	4.4	1.0
20	3.8	3.6	4.0	4.4	5.4	3.8	16	12	9.3	2.6	2.8	3.7
21	4.0	6.0	4.2	4.7	8.3	3.8	15	14	9.3	7.8	2.7	1.5
22	4.0	3.8	4.2	4.7	6.0	4.4	12	16	8.6	17	11	1.2
23	3.8	3.6	4.2	4.7	4.4	5.2	11	38	9.3	4.7	4.4	1.1
24	2.6	3.8	4.2	5.0	5.0	6.0	11	18	9.3	3.4	3.2	1.1
25	2.5	3.8	5.0	5.0	4.4	6.7	11	19	8.6	3.3	2.8	1.0
26	3.4	4.0	6.3	5.0	4.7	7.9	11	19	8.3	3.6	2.7	1.0
27	3.6	3.8	5.2	5.2	5.7	7.0	11	18	7.6	2.8	2.8	1.2
28	5.0	4.0	5.4	5.0	4.4	7.0	11	16	7.9	3.2	2.7	1.2
29	3.8	4.0	4.7	4.7	4.2	7.9	11	16	7.0	2.8	2.3	1.3
30	3.6	4.2	4.7	4.2	----------	9.3	11	16	7.6	2.2	2.3	1.3
31	3.4	----------	4.7	1.2	----------	10	----------	16	----------	2.1	2.2	----------
Total	112.7	110.5	133.4	139.0	75.5	166.1	385	505	351.4	139.1	91.9	41.4
Mean	3.64	3.68	4.30	4.48	2.60	5.36	12.8	16.3	11.7	4.49	2.96	1.38
Ac-ft	224	219	265	276	150	329	764	1,000	697	276	182	82

Calendar year 1967 : Max 16 Min 0.4 Mean 4.35 Ac-ft 3,150
Water year 1967-68 : Max 38 Min 1.0 Mean 6.15 Ac-ft 4,460

Note.--No gage-height record Oct. 1-12; discharge estimated.

Table 52.--1722. Red Butte Creek at Fort Douglas, near Salt Lake City

Location.--Lat 40°46'50", long 111°48'20", in NW¼ sec. 35, T. 1 N., R. 1 E., on right bank 0.35 mile upstream from dam forming Red Butte Reservoir, 1.5 miles northeast of Fort Douglas, and 5 miles east of Salt Lake City post office.

Drainage area.--7.25 sq mi.

Records available.--October 1963 to September 1968. Figures of monthly discharge for January 1942 to September 1963, collected by Corps of Engineers, U.S. Army, available in files of Salt Lake City District office, Geological Survey.

Gage.--Digital water-stage recorder and concrete Parshall flume. Altitude of gage is 5,400 ft (from topographic map). Prior to Dec. 3, 1964, graphic water-stage recorder at same site and datum.

Extremes.--1963-68: Maximum discharge, 31 cfs May 13, 1964; minimum, 0.5 cfs Oct. 7, 12, 1963.

Remarks.--Records good. No regulation or diversion above station. Most of flow is collected in reservoir below station and used for water supply of Fort Douglas. This drainage basin has been designated as a hydrologic bench mark.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.2	1.5	1.5	1.6	1.6	3.0	5.9	7.7	11	4.0	2.3	2.0
2	1.5	1.5	1.5	1.6	1.5	3.0	7.4	8.6	10	3.9	2.2	1.9
3	1.1	1.5	1.7	1.5	1.5	3.0	7.1	9.4	9.9	3.7	2.2	1.7
4	1.2	1.5	1.6	1.8	1.5	3.0	6.6	9.7	9.9	3.7	2.5	2.0
5	1.5	1.5	1.6	1.6	1.4	3.0	6.8	9.6	10	3.6	2.2	2.0
6	1.5	1.5	1.5	1.5	1.4	2.9	7.2	9.6	9.7	3.6	2.1	1.6
7	1.4	1.5	1.5	1.4	1.4	3.3	6.8	9.6	9.2	3.5	2.2	1.6
8	1.3	1.5	1.5	1.5	1.4	3.1	6.6	9.2	9.2	3.4	2.2	1.6
9	1.3	1.5	1.3	1.5	1.4	3.3	6.5	9.0	8.9	3.3	2.3	1.6
10	1.3	1.5	1.5	1.5	1.5	3.0	6.5	8.9	8.5	3.3	2.2	1.6
11	1.3	1.5	1.5	1.5	1.5	2.9	6.7	9.0	8.0	3.3	2.1	1.6
12	1.3	1.5	1.4	1.4	1.4	2.9	7.3	9.0	7.6	3.1	2.1	1.6
13	1.3	1.5	1.1	1.5	1.4	3.3	7.8	8.6	7.3	3.1	2.1	1.5
14	1.3	1.5	1.1	1.5	1.5	3.2	7.6	8.7	7.0	3.0	2.2	1.5
15	1.3	1.5	1.3	1.5	1.8	3.1	7.5	8.4	6.7	3.0	2.3	1.5
16	1.4	1.5	1.5	1.5	1.5	3.1	7.8	8.0	6.5	2.9	2.1	1.5
17	1.3	1.5	1.5	1.4	1.4	3.3	7.7	7.6	6.3	2.8	2.6	1.6
18	1.4	1.5	1.5	1.3	1.7	3.1	7.4	7.3	6.0	2.7	2.5	1.5
19	1.4	1.5	1.5	1.4	1.7	3.1	7.3	7.1	5.8	2.7	2.7	1.4
20	1.4	1.5	1.5	1.4	3.5	3.1	7.3	7.0	5.5	2.6	2.1	1.8
21	1.4	1.9	1.5	1.4	4.2	3.2	7.0	7.3	5.3	2.5	2.0	1.8
22	1.3	1.6	1.4	1.4	3.8	3.6	6.8	7.9	5.1	2.6	3.2	1.7
23	1.3	1.6	1.5	1.5	3.5	4.1	6.7	11	5.1	2.7	2.7	1.7
24	1.3	1.6	1.5	1.5	3.5	4.2	6.6	12	5.0	2.5	2.3	1.6
25	1.4	1.5	1.5	1.5	3.2	4.3	6.4	12	4.8	2.5	2.1	1.7
26	1.4	1.5	2.1	1.5	3.0	4.6	6.4	12	4.5	2.4	2.0	1.7
27	1.5	1.4	1.8	1.5	3.6	4.4	6.4	12	4.4	2.4	2.0	1.7
28	1.6	1.5	1.6	1.5	3.2	4.4	6.2	12	4.2	2.4	1.9	1.7
29	1.5	1.5	1.6	1.5	3.1	4.6	6.4	12	4.2	2.4	1.9	1.7
30	1.5	1.5	1.7	1.6	----------	5.0	6.8	11	4.1	2.3	1.9	1.7
31	1.5	----------	1.5	1.5	----------	5.5	----------	11	----------	2.2	2.0	----------
Total	42.4	45.6	46.8	46.3	63.1	109.6	207.5	292.2	209.7	92.1	69.2	50.1
Mean	1.37	1.52	1.51	1.49	2.18	3.54	6.92	9.43	6.99	2.97	2.23	1.67
Ac-ft	84	90	93	92	125	217	412	580	416	183	137	99

Calendar year 1967: Max 8.3 Min 1.1 Mean 2.35 Ac-ft 1,700
Water year 1967-68: Max 12 Min 1.1 Mean 3.48 Ac-ft 2,530

Table 53.--1722 A. Diversion from Red Butte Creek to Fort Douglas water supply

Location.--SW¼NW¼ sec. 35, T. 1 N., R. 1 E., at dam forming Red Butte Reservoir, 1.2 miles northeast of Fort Douglas, and 4 miles northeast of Salt Lake City.

Records available.--October 1963 to September 1968. Records for 1942 to 1963 in the files of the Post Engineer, Corps of Engineers, Fort Douglas.

Remarks.--Water diverted from Red Butte Reservoir. Record includes seepage of about 0.2 cfs below the dam.

Cooperation.--Record furnished by the Post Engineer, Corps of Engineers, Fort Douglas.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.7	0.4	0.4	0.4	0.4	0.4	0.4	0.8	2.0	2.2	0.8
2	.6	.7	.4	.4	.4	.4	.4	1.1	.8	2.0	2.3	.8
3	.6	.7	.4	.4	.4	.4	.4	1.2	.9	1.7	2.2	1.1
4	.6	.6	.4	.4	.4	.4	.4	.7	.5	1.4	1.3	1.5
5	.8	.6	.4	.4	.4	.4	.4	.4	.4	1.8	2.3	1.4
6	.5	.6	.4	.4	.4	.4	.4	1.0	.7	1.8	2.5	1.4
7	.4	.6	.4	.4	.4	.4	.4	1.0	.5	1.0	2.3	.9
8	.4	.6	.4	.4	.4	.4	.4	.9	.5	2.1	2.3	.9
9	.6	.6	.4	.4	.4	.4	.4	.4	.7	2.0	2.3	2.1
10	1.1	.6	.4	.4	.4	.4	.4	.4	.6	2.2	.8	2.2
11	1.1	.5	.4	.4	.4	.4	.4	.8	.6	1.8	.9	2.1
12	1.3	.5	.5	.4	.4	.4	.4	.7	.6	2.1	.8	2.1
13	1.0	.6	.5	.4	.4	.4	.4	.7	1.3	1.4	2.5	1.9
14	.6	.6	.5	.4	.4	.4	.4	.6	.8	.9	.6	1.3
15	.6	.6	.5	.4	.4	.4	.4	.7	.6	1.5	.8	.8
16	.9	.6	.5	.4	.4	.4	.4	.7	.5	2.1	.8	1.7
17	.7	.6	.5	.4	.4	.4	.4	.7	1.0	2.9	.8	1.3
18	.7	.5	.5	.4	.4	.4	.4	.7	1.2	2.6	.8	1.3
19	.4	.5	.5	.4	.4	.4	.4	.6	1.0	2.8	.8	1.2
20	.6	.5	.5	.4	.4	.4	.4	.9	1.6	2.3	.8	.8
21	.4	.5	.5	.4	.4	.4	.4	1.4	1.5	1.2	.8	.9
22	.4	.5	.4	.4	.4	.4	.4	.6	.9	2.4	.8	.9
23	.4	.5	.4	.4	.4	.4	.4	1.0	1.1	2.7	.8	.9
24	.6	.5	.4	.4	.4	.4	.4	1.0	1.8	2.5	.8	2.0
25	.4	.5	.4	.4	.4	.4	.4	1.0	1.6	2.5	.8	1.0
26	.7	.4	.4	.4	.4	.4	.4	.9	1.3	2.5	.9	1.9
27	.6	.5	.4	.4	.4	.4	.4	1.0	2.0	2.1	.9	1.7
28	.5	.5	.4	.4	.4	.4	.4	.9	2.1	1.5	1.5	1.3
29	.7	.5	.4	.4	.4	.4	.4	.9	1.1	2.1	1.4	1.6
30	.7	.5	.4	.4	----------	.4	.4	.9	1.1	2.3	1.8	1.4
31	.7	----------	.4	.4	----------	.4	----------	.9	----------	2.5	1.3	----------
Total	20.2	16.7	13.4	12.4	11.6	12.4	12.0	25.1	30.1	62.7	41.9	41.2
Mean	0.65	0.56	0.43	0.40	0.40	0.40	0.40	0.81	1.00	2.02	1.35	1.37
Ac-ft	40	33	27	25	23	25	24	50	60	124	83	82

Calendar year 1967: Max 2.7 Min 0.3 Mean 0.79 Ac-ft 569
Water year 1967-68: Max 2.9 Min 0.4 Mean 0.82 Ac-ft 596

Table 54.--1722.2 Red Butte Creek below Red Butte Reservoir, near Salt Lake City

Location.--Lat 40°46'34", long 111°48'25", in NE¼SW¼ sec. 34, T. 1 N., R. 1 E., about 0.3 mile below spillway of reservoir, 0.9 mile northeast of Fort Douglas, and 4 miles northeast of Salt Lake City.

Drainage area.--7.95 sq mi.

Records available.--October 1963 to September 1968. Records for 1942 to 1963 in the files of the Post Engineer, Corps of Engineers, Fort Douglas.

Gage.--Water-stage recorder and a concrete Parshall flume. Altitude of gage is 5,200 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 28 cfs May 16, 17, 1964; no flow for long periods.

Remarks.--Flow regulated by storage in Red Butte Reservoir. Water is diverted to Fort Douglas water supply from the reservoir.

Cooperation.--Record furnished by the Post Engineer, Corps of Engineers, Fort Douglas.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0	2.5	5.2	6.9	9.4	3.5		
2					0	2.6	5.0	7.5	9.2	3.0		
3					0	2.7	5.8	8.1	8.8	2.9		
4					0	2.7	5.8	9.0	8.8	2.8		
5					0	2.7	5.9	8.4	8.1	2.7		
6					0	3.1	6.0	8.4	8.6	2.6		
7					0	3.1	6.1	8.7	8.4	2.6		
8					0	2.9	6.2	8.0	8.1	2.6		
9					0	2.7	6.7	8.0	8.0	2.5		
10					0	2.6	7.0	8.0	7.9	2.4		
11					0	2.6	7.0	8.0	7.9	2.3		
12					0	2.6	7.0	8.0	7.7	1.1		
13					0	2.6	6.9	8.0	7.6	1.0		
14					0	2.6	6.8	8.0	7.4	2.5		
15					0	2.6	6.7	7.7	7.1	2.4		
16					0	2.6	6.5	7.7	7.1	1.2		
17					0	2.6	6.4	7.7	6.9	.7		
18					0	2.7	6.3	7.7	6.5	0		
19					0	3.1	6.3	7.6	6.2	0		
20					0	3.1	6.1	6.7	5.9	0		
21					3.1	3.1	6.1	6.4	4.5	0		
22					3.1	3.3	6.0	7.0	4.3	0		
23					3.3	3.3	5.9	8.2	4.5	0		
24					3.1	3.6	5.8	8.7	4.4	0		
25					2.6	3.7	5.8	10	4.3	0		
26					2.2	3.8	5.8	10	4.2	0		
27					2.2	4.0	5.8	10	3.0	0		
28					2.2	4.2	5.8	10	2.9	0		
29					2.3	4.4	5.6	10	3.7	0		
30					---	4.7	5.6	9.9	3.6	0		
31		---			---	4.9	---	9.5	---	0		---
Total	0	0	0	0	24.1	97.7	183.9	257.8	195.0	38.8	0	0
Mean	0	0	0	0	0.83	3.15	6.13	8.32	6.50	1.25	0	0
Ac-ft	0	0	0	0	48	194	365	511	387	77	0	0

Calendar year 1967: Max 8.2 Min 0 Mean 1.39 Ac-ft 1,010
Water year 1967-68: Max 10 Min 0 Mean 2.18 Ac-ft 1,580

Table 55.--1723. Red Butte Creek at 1600 East, at Salt Lake City

Location.--Lat 44°44'50", long 111°51'22", in NE¼SW¼ sec. 9, T. 1 S., R. 1 E., in Miller Park, at 1050 South and 1600 East.

Drainage area.--8.9 sq mi.

Records available.--October 1963 to September 1968 (fragmentary).

Gage.--Water-stage recorder. Altitude of gage is 4,390 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 23 cfs May 15, 1964; no flow for long periods.

Remarks.--Records fair.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0					1.6	3.0	6.0	8.7	1.8	0	1.0
2	0					1.4	8.2	6.5	8.7	2.0	0	.7
3	0					1.3	6.7	7.0	9.2	1.8	0	.3
4	0					1.3	6.2	7.5	7.7	1.3	0	0
5	0					1.3	7.2	7.7	8.7	1.1	0	0
6	0					1.3	8.7	8.2	8.7	1.0	0	0
7	0					2.2	7.7	8.2	8.2	.9	0	0
8	0					1.7	7.2	7.7	8.7	.7	0	0
9	0					3.8	6.7	7.2	8.2	.2	0	0
10	0					1.7	6.2	6.7	8.2	0	0	0
11	0					1.4	5.8	6.2	7.7	.1	0	0
12	0					1.4	6.2	7.2	7.2	0	0	0
13	0					1.8	7.2	7.2	6.7	0	0	0
14	0					1.8	6.7	6.7	4.7	0	.1	.3
15	0					1.7	6.2	6.7	4.1	0	.2	1.3
16	0					1.6	6.7	5.8	4.7	0	0	.6
17	0					3.2	6.7	5.8	4.4	0	2.0	.1
18	.6					3.0	5.8	5.8	4.4	0	1.6	.1
19	.1					2.6	4.4	5.8	4.1	0	1.8	.1
20	.1					1.8	5.8	5.4	4.0	0	.6	.8
21	0					1.7	7.2	5.8	4.0	.2	.2	1.7
22	0					1.8	6.7	8.7	4.0	0	3.5	1.7
23	0					2.2	6.2	13	4.0	0	1.8	.5
24	0					2.4	5.8	11	3.8	0	1.2	.1
25	0					2.0	5.6	11	3.5	0	.9	.1
26	0					1.8	5.4	11	2.8	0	.2	.1
27	0					1.7	5.4	11	1.8	0	.1	.4
28	0				2.0	1.4	5.2	10	1.8	0	.1	.5
29	0				1.7	1.3	5.2	9.2	2.4	0	0	.9
30	0				----------	1.2	5.2	8.7	3.0	0	.1	.6
31	0	----------			----------	2.0	----------	8.2	----------	0	.7	----------
Total	0.8	—	—	—	—	57.4	187.2	242.9	168.1	11.1	15.1	11.9
Mean	0.03	—	—	—	—	1.85	6.24	7.84	5.60	0.36	0.49	0.40
Ac-ft	2	—	—	—	—	114	371	482	333	22	30	24

Calendar year 1967 : Max - Min 0 Mean - Ac-ft -
Water year 1967-68 : Max - Min 0 Mean - Ac-ft -

Table 56.--1724. City Creek above Wasatch Drive, near Salt Lake City

Location.--Lat 40°47'33", long 111°52'35", in SW¼NE¼ sec. 30, T. 1 N., R. 1 E., about 0.2 mile upstream from Wasatch Drive and 1.2 miles northeast of Utah State Capitol Building.

Drainage area.--17.1 sq mi.

Records available.--October 1963 to September 1968.

Gage.--Water-stage recorder and weir. Altitude of gage is 4,390 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 74 cfs May 23, 1964; minimum daily, 0.4 cfs several days in 1964 and 1966.

Remarks.--Records fair. Water is diverted 2.9 miles upstream from the gage to the City Creek treatment plant. (See table 57.) The treated water is stored in the Pleasant Valley reservoir 1.4 miles upstream from the gage and carried past the gage in pipelines.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	1.8	1.2	1.5	1.4	1.5	2.1	2.6	50	3.2	1.4	1.5
2	1.2	1.6	1.1	1.5	1.4	1.5	2.8	4.6	45	3.2	1.5	1.4
3	1.2	1.5	1.1	1.2	1.4	1.5	2.8	6.6	48	3.2	1.5	1.2
4	1.2	1.4	1.1	1.1	1.4	1.4	2.2	2.8	50	5.3	4.3	1.2
5	2.5	1.4	1.1	1.2	1.4	1.4	2.4	6.3	58	3.0	2.4	1.0
6	1.5	1.4	1.1	1.4	1.4	1.6	2.8	9.4	56	2.2	2.1	1.0
7	1.5	1.4	1.1	1.2	1.4	1.8	7.4	13	54	1.9	1.8	1.0
8	1.2	1.2	1.1	1.4	1.4	1.5	4.1	8.2	53	2.1	1.6	1.0
9	1.2	1.2	.9	1.4	1.4	1.6	2.4	8.0	49	1.8	1.5	1.0
10	1.2	1.2	1.1	1.4	1.4	1.5	2.4	6.0	44	2.4	1.1	1.0
11	1.2	1.2	1.1	1.4	1.2	1.6	2.2	11	37	2.6	1.4	1.0
12	1.5	1.1	.9	1.4	1.2	1.5	5.3	22	30	2.2	1.6	1.0
13	1.5	1.2	1.1	1.4	1.2	1.4	10	22	31	1.8	2.2	1.0
14	1.5	1.6	1.1	1.4	1.2	1.4	9.7	20	25	1.8	1.1	1.0
15	1.5	1.6	1.1	1.4	1.1	1.4	7.7	25	26	1.6	1.4	1.0
16	1.5	1.4	1.1	1.2	1.2	1.2	5.0	24	25	2.1	1.4	1.0
17	1.5	1.2	1.1	1.2	1.2	1.2	5.8	20	22	1.6	3.5	1.0
18	1.5	1.2	1.1	1.2	1.2	1.2	3.9	18	19	1.5	4.8	1.0
19	1.5	1.1	1.1	1.2	1.4	1.1	8.2	13	17	1.8	4.6	1.2
20	1.4	1.1	1.1	1.1	2.1	1.5	10	13	14	2.2	3.7	2.5
21	1.5	1.4	1.3	1.1	2.1	1.2	9.7	18	12	1.9	2.8	3.0
22	1.5	1.4	1.5	1.1	1.9	1.2	9.4	28	12	2.4	6.3	2.5
23	1.6	1.2	1.5	1.1	1.8	1.2	9.1	47	11	2.8	5.8	2.0
24	1.8	1.2	1.5	1.1	1.8	1.2	5.8	47	10	1.9	4.6	1.4
25	1.6	1.4	1.6	1.2	1.6	1.6	3.2	44	8.8	1.5	2.8	1.2
26	1.2	1.2	1.5	1.2	1.6	1.6	6.0	42	5.0	1.6	.9	1.2
27	1.2	.9	1.6	1.4	1.8	1.8	5.6	34	5.8	1.9	1.4	1.2
28	1.5	1.1	1.6	1.4	1.9	1.5	4.8	33	3.2	1.5	1.5	1.2
29	1.5	1.1	1.6	1.4	1.8	1.5	3.7	33	4.8	1.1	1.2	1.5
30	1.6	1.4	1.5	1.4	----------	1.9	1.9	44	3.9	1.1	1.6	1.5
31	1.5	----------	1.4	1.4	----------	2.2	----------	50	----------	1.2	1.5	----------
Total	45.3	39.1	38.3	40.0	43.3	45.7	158.4	675.5	829.5	66.4	75.3	39.7
Mean	1.46	1.30	1.24	1.29	1.49	1.47	5.28	21.8	27.6	2.14	2.43	1.32
Ac-ft	90	78	76	79	86	91	314	1,340	1,650	132	149	79

Calendar year 1967: Max 53 Min 0.6 Mean 5.97 Ac-ft 4,330
Water year 1967-68: Max 58 Min 0.9 Mean 5.73 Ac-ft 4,160

Table 57.--1724 A. Diversion to City Creek treatment plant from City Creek, near Salt Lake City

Location.--Lat 40°49'54", long 111°49'50", in the SW¼SW¼ sec. 15, T. 1 N., R. 1 E., at City Creek treatment plant and 4 miles northeast of Utah State Capitol Building.

Records available.--October 1963 to September 1968. Records for previous years in the files of the Salt Lake City Water Department.

Extremes.--1963-68: Maximum daily discharge, 30 cfs on several days in June 1968; minimum daily, 2.5 cfs June 26, 1965.

Remarks.--Except for small infrequent spills from the Pleasant Valley reservoir the record shows the amount of water delivered to the Salt Lake City water system from the water treatment plant.

Cooperation.--Record furnished by the Salt Lake City Water Department.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.4	6.7	6.4	6.0	5.3	6.5	12	16	29	26	15	11
2	7.6	7.0	6.4	5.9	5.0	6.5	13	16	30	26	15	11
3	7.6	7.1	6.5	5.9	5.1	6.5	12	18	29	25	15	11
4	7.4	7.0	6.4	5.9	5.0	6.5	11	24	30	25	15	11
5	7.9	7.0	6.4	5.9	5.0	6.7	11	19	21	24	15	11
6	7.8	6.8	6.4	5.7	5.0	6.8	9.9	18	19	23	15	11
7	7.8	6.8	6.5	5.7	5.1	7.1	6.2	12	20	23	14	11
8	7.6	6.8	6.5	5.7	5.9	6.7	8.8	24	20	22	14	11
9	7.6	6.8	6.4	5.7	5.1	6.7	10	26	19	22	14	10
10	7.6	6.8	6.4	5.7	5.1	6.4	11	28	19	21	14	10
11	7.6	6.7	6.4	5.7	5.1	6.0	13	26	23	21	14	10
12	7.3	6.7	6.2	5.6	5.1	6.0	11	12	26	21	13	10
13	7.1	6.7	4.3	5.7	5.1	6.2	9.2	16	23	20	13	10
14	7.1	6.7	4.3	5.6	5.1	6.2	9.3	19	30	20	14	9.9
15	7.1	6.4	5.9	5.6	4.8	6.0	12	15	28	19	14	9.9
16	7.1	6.5	6.0	5.6	4.7	6.2	10	14	27	19	13	9.9
17	7.1	6.7	6.0	5.7	4.8	6.7	11	15	26	19	14	10
18	7.0	6.5	5.9	5.7	5.3	6.5	12	14	26	18	13	9.8
19	7.0	6.7	6.0	5.7	5.1	6.4	6.7	19	29	18	13	9.8
20	7.0	6.7	6.2	5.6	6.5	6.2	6.4	21	30	18	13	9.8
21	6.8	6.8	6.0	5.6	7.3	6.4	6.4	22	30	18	12	10
22	6.8	6.7	5.9	5.6	6.8	6.7	6.4	20	29	17	14	9.9
23	6.8	6.7	6.0	5.6	6.4	7.6	6.2	8.5	29	17	13	9.6
24	7.0	6.5	6.0	5.6	6.4	8.4	10	13	30	17	12	9.6
25	6.8	6.5	6.4	5.6	6.4	8.7	11	13	30	17	12	9.5
26	6.8	6.5	6.5	5.6	6.7	9.0	9.3	13	30	16	12	9.5
27	6.8	6.5	6.2	5.6	7.0	8.7	9.3	19	30	16	12	9.3
28	6.8	6.5	5.9	5.6	6.7	8.6	9.3	24	30	16	12	9.3
29	6.8	6.5	6.0	5.6	6.5	9.0	11	26	28	16	12	9.1
30	6.7	6.5	6.0	5.6	----------	10	14	24	27	16	12	9.1
31	6.8	----------	5.9	5.6	----------	11	----------	26	----------	15	11	----------
Total	222.6	200.8	188.3	176.2	163.4	222.9	298.4	580.5	797	611	414	302.0
Mean	7.18	6.69	6.07	5.68	5.63	7.19	9.95	18.7	26.6	19.7	13.4	10.1
Ac-ft	442	398	373	349	324	442	592	1,150	1,580	1,210	821	599

Calendar year 1967: Max 18 Min 4.3 Mean 8.35 Ac-ft 6,050
Water year 1967-68: Max 30 Min 4.3 Mean 11.4 Ac-ft 8,280

Table 58.--1725. City Creek near Salt Lake City

Location.--Lat 40°47'33", long 111°52'35", in SW¼NE¼ sec. 30, T. 1 N., R. 1 E., about 0.2 mile upstream from Wasatch Drive and 1.2 miles northeast of Utah State Capitol Building.

Records available.--October 1898 to September 1968. Monthly discharge only for October 1898 to September 1960 published in WSP 1314 and 1734. October 1960 to September 1963 in the files of the Salt Lake City Water Department.

Extremes.--1899-1909, 1911-50, 1963-68: Maximum daily discharge, 163 cfs May 30, 1921; minimum daily, 1.2 cfs, Oct. 17, 1934.

Remarks.--Record is the combined discharge of City Creek (1724, table 56) and the diversion to the City Creek treatment plant (1724 A, table 57), which is carried in pipelines past the gage. The record herein is equivalent to records for years prior to 1965 computed from the flow of City Creek at a site about three-quarters of a mile downstream.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.9	8.5	7.6	7.5	6.7	8.0	14	19	79	29	16	12
2	8.8	8.6	7.5	7.4	6.4	8.0	16	21	75	29	16	12
3	8.8	8.6	7.6	7.1	6.5	8.0	15	25	77	28	16	12
4	8.6	8.4	7.5	7.0	6.4	7.9	13	27	80	30	19	12
5	10	8.4	7.5	7.1	6.4	8.1	13	25	79	27	17	12
6	9.3	8.2	7.5	7.1	6.4	8.4	13	27	75	25	17	12
7	9.3	8.2	7.6	6.9	6.5	8.9	14	25	74	25	16	12
8	8.8	8.0	7.6	7.1	7.3	8.2	13	32	73	24	16	12
9	8.8	8.0	7.3	7.1	6.5	8.3	12	34	68	24	16	11
10	8.8	8.0	7.5	7.1	6.5	7.9	13	34	63	23	15	11
11	8.8	7.9	7.5	7.1	6.3	7.6	15	37	60	24	15	11
12	8.8	7.8	7.1	7.0	6.3	7.5	16	34	56	23	15	11
13	8.6	7.9	5.4	7.1	6.3	7.6	19	38	54	22	15	11
14	8.6	8.3	5.4	7.0	6.3	7.6	19	39	55	22	15	11
15	8.6	8.0	7.0	7.0	5.9	7.4	20	40	54	21	15	11
16	8.6	7.9	7.1	6.8	5.9	7.4	15	38	52	21	14	11
17	8.6	7.9	7.1	6.9	6.0	7.9	17	35	48	21	18	11
18	8.5	7.7	7.0	6.9	6.5	7.7	16	32	45	20	18	11
19	8.5	7.8	7.1	6.9	6.5	7.5	15	32	46	20	18	11
20	8.4	7.8	7.3	6.7	8.6	7.7	16	34	44	20	17	12
21	8.3	8.2	7.3	6.7	9.4	7.6	16	40	42	20	15	13
22	8.3	8.1	7.4	6.7	8.7	7.9	16	48	41	19	20	12
23	8.4	7.9	7.5	6.7	8.2	8.8	15	56	40	20	19	12
24	8.8	7.7	7.5	6.7	8.2	9.6	16	60	40	19	17	11
25	8.4	7.9	8.0	6.8	8.0	10	14	57	39	18	15	11
26	8.0	7.7	8.0	6.8	8.3	11	15	55	35	18	13	11
27	8.0	7.4	7.8	7.0	8.8	10	15	53	36	18	13	10
28	8.3	7.6	7.5	7.0	8.6	10	14	57	33	18	14	10
29	8.3	7.6	7.6	7.0	8.3	10	15	59	33	17	13	11
30	8.3	7.9	7.5	7.0	----------	12	16	68	31	17	14	11
31	8.3	----------	7.3	7.0	----------	13	----------	76	----------	16	12	----------
Total	267.5	239.9	226.6	216.2	206.7	267.5	456	1,257	1,627	678	489	341
Mean	8.63	8.00	7.31	6.97	7.13	8.63	15.2	40.5	54.2	21.9	15.8	11.4
Ac-ft	531	476	449	429	410	531	904	2,490	3,230	1,340	970	676

Calendar year 1967: Max 64 Min 5.4 Mean 14.3 Ac-ft 10,370
Water year 1967-68: Max 80 Min 5.4 Mean 17.1 Ac-ft 12,440

Table 59.--1726. Jordan River below Cudahy Lane, near Salt Lake City

Location.--Lat 40°50'41", long 111°56'59", in SE¼SE¼ sec. 4, T. 1 N., R. 1 W., about 0.2 mile downstream from county bridge on Cudahy Lane, and 6.5 miles northwest of Salt Lake City.

Drainage area.--3,490 sq mi, approximately; (including 255 sq mi in closed basin in Cedar Valley, Utah County).

Records available.--October 1963 to September 1968.

Gage.--Water-stage recorder. Altitude of gage is 4,210 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 348 cfs June 11, 1965; minimum daily, 39 cfs Nov. 19, 1964.

Remarks.--Records fair. Many diversions above the station for irrigation and municipal and industrial water supplies, and diversions below the station for waterfowl ponds. (See fig. 5.)

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	176	131	127	124	124	137	164	184	198	201	171	177
2	193	130	118	128	123	138	243	213	177	189	173	177
3	166	128	116	127	130	137	203	207	170	180	186	177
4	166	126	116	125	127	141	169	177	217	177	192	177
5	173	125	121	126	124	142	173	175	280	191	185	179
6	160	125	128	127	122	139	235	182	287	182	179	179
7	169	124	129	126	124	172	202	169	220	165	173	182
8	173	128	127	125	124	152	201	178	243	174	171	178
9	169	133	124	124	124	210	193	136	203	176	182	179
10	165	127	124	124	124	157	193	130	180	177	168	175
11	160	127	124	123	123	131	193	132	193	186	162	179
12	167	127	124	126	127	125	199	183	161	186	160	183
13	170	116	124	125	132	123	208	195	207	170	154	184
14	170	109	172	124	138	124	202	196	208	165	188	183
15	167	119	120	124	131	120	192	155	183	163	169	184
16	160	125	119	123	132	118	206	165	176	165	169	185
17	156	122	119	123	133	155	205	146	185	164	213	185
18	151	123	116	122	138	174	197	137	228	164	164	184
19	152	121	116	122	130	160	208	128	228	167	178	182
20	151	122	120	122	162	150	243	132	225	173	152	180
21	151	148	127	123	174	152	266	173	221	181	163	178
22	148	129	127	124	170	152	217	244	222	190	260	175
23	152	124	131	123	145	152	193	328	221	215	169	170
24	147	122	131	123	142	152	192	206	244	194	183	180
25	132	120	133	122	136	148	194	164	226	177	171	185
26	116	121	145	125	136	163	193	169	212	166	165	184
27	118	118	143	130	181	174	193	147	198	169	185	184
28	133	122	139	133	145	174	188	122	198	172	183	182
29	136	122	128	128	141	182	188	122	199	173	180	182
30	124	130	126	128	----------	173	185	146	205	177	181	184
31	129	----------	124	127	----------	169	----------	189	----------	173	180	----------
Total	4,800	3,744	3,938	3,876	3,962	4,696	6,038	5,330	6,315	5,502	5,509	5,413
Mean	155	125	127	125	137	151	201	172	210	177	178	180
Ac-ft	9,520	7,430	7,810	7,690	7,860	9,310	11,980	10,570	12,530	10,910	10,930	10,740

Calendar year 1967: Max 245 Min 82 Mean 151 Ac-ft 109,400
Water year 1967-68: Max 328 Min 109 Mean 162 Ac-ft 117,300

Table 60.--1726.3 Goggin Drain near Magna

Location.--Lat 40°49'00", long 112°06'04", in NE¼SE¼ sec. 18, T. 1 N., R. 2 W., about 7 miles downstream from Surplus Canal wasteway, 3.3 miles north of Saltair, and 7.2 miles north of Magna.

Records available.--October 1963 to September 1968.

Gage.--Water-stage recorder. Altitude of gage is 4,204 ft (from topographic map).

Extremes.--1963-68: Maximum daily discharge, 464 cfs June 22, 1967; no flow at times during winter.

Remarks.--Records good. The drain carries natural drainage and surplus water spilled from canals in the area. (See fig. 5.)

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.3	19	6.6	0	4.0	116	131	175		96	58	136
2	3.3	21	5.0	0	3.8	115	142	174		85	100	126
3	2.3	17	4.0	0	3.8	112	146	159		81	106	153
4	2.1	14	3.1	0	4.3	114	34	149		79	116	224
5	2.0	14	3.1	0	4.0	115	37	101		81	166	204
6	2.1	18	3.3	0	3.6	115	53	128		76	188	207
7	10	23	2.3	0	3.3	127	35	135		67	142	218
8	13	23	2.1	0	2.6	131	70	126		74	112	207
9	12	18	1.8	0	2.1	154	254	118	350	58	142	182
10	9.4	16	2.1	0	2.0	175	257	24		50	174	80
11	12	12	1.8	0	1.8	154	260	21		54	172	20
12	17	12	1.6	0	2.0	142	264	29		33	168	48
13	21	12	1.5	0	2.0	135	248	59		3.6	150	53
14	22	13	0	0	2.0	136	227			3.8	101	56
15	27	14	0	0	1.8	126	246			6.2	163	62
16	26	12	0	0	1.8	145	239	140		50	138	70
17	19	12	0	0	2.0	240	217			42	154	68
18	21	14	0	0	3.1	301	204		339	3.8	188	58
19	25	15	0	0	5.6	320	206		326	3.1	274	52
20	27	17	0	0	6.9	309	214	100	333	2.6	277	63
21	25	16	0	0	9.8	298	227		339	5.3	210	79
22	26	17	3.3	0	11	315	239		323	17	272	87
23	30	21	3.1	0	7.8	325	218		298	11	428	86
24	34	19	3.3	0	6.9	325	256		291	10	330	79
25	39	18	2.8	0	5.6	331	260		252	39	296	59
26	35	18	2.8	0	5.0	350	246	300	217	46	214	128
27	36	19	3.6	0	6.6	307	245		144	12	192	204
28	28	22	3.0	10	50	304	233		102	14	198	193
29	25	15	2.0	6.9	123	298	223		103	14	184	170
30	24	8.1	1.0	5.0	----------	196	184		106	18	170	130
31	21	----------	0	5.0	----------	157	----------		----------	19	152	----------
Total	600.5	289.1	63.2	26.9	286.2	6,488	5,815	5,638	9,123	1,154.4	5,735	3,502
Mean	19.4	9.64	2.04	0.87	9.87	209	194	182	304	37.2	185	117
Ac-ft	1,190	573	125	53	568	12,870	11,530	11,180	18,100	2,290	11,380	6,950

Calendar year 1967: Max 464 Min 0 Mean 61.6 Ac-ft 44,600
Water year 1967-68: Max 428 Min 0 Mean 106 Ac-ft 76,810

Note.--No gage-height record May 14-19, May 21 to June 17; discharge estimated.

Table 61.--1726.5 Kennecott Drain near Magna

Location.--Lat 40°45'28", long 112°10'04", in SE¼SW¼ sec. 3, T. 1 S., R. 3 W., about 300 feet downstream from culvert on U.S. Highway 40, and 4.5 miles northwest of Magna.

Records available.--October 1963 to September 1968.

Gage.--Water-stage recorder. Altitude of gage is 4,210 ft (from topographic map).

Extremes.--1963-68: Maximum discharge 389 cfs Mar. 18, 1964 (gage height, 5.50 ft) result of break in dike of Kennecott tailings pond; maximum daily, 297 cfs Mar. 18, 1964; minimum daily recorded, 38 cfs Feb. 17, 1966.

Remarks.--Record good except those for periods of no gage-height record, which are poor.

Discharge, in cubic feet per second, water year October 1967 to September 1968

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					64	122	49	76	92	70	79	133
2					61	70	55	90	84	82	67	157
3					60	74	76	87	96	91	107	154
4					64	58	55	49	90	124	176	123
5					65	54	113	84	150	122	227	136
6					64	50	213	86	188	73	201	128
7					65	60	187	62	136	66	161	118
8					77	61	126	66	160	65	138	119
9					65	77	119	65	211	65	200	132
10	70				64	86	106	116	166	79	176	132
11				60	60	64	100	125	169	96	130	151
12					66	60	92	132	162	100	136	138
13					70	55	86	139	146	112	143	128
14					68	58	94	126	111	120	150	126
15		70	65		66	72	101	140	82	95	188	110
16					64	77	101	149	95	83	168	108
17					65	76	108	136	110	70	171	128
18					78	70	105	125	111	74	184	126
19					93	77	110	117	93	70	179	136
20	60				98	78	101	125	98	84	148	143
21	53				106	72	144	103	67	94	133	183
22	52			56	114	67	160	131	86	101	186	147
23	56			59	116	64	137	200	91	146	250	130
24	61			60	132	66	146	194	92	143	217	123
25	62			60	134	67	133	171	76	166	182	128
26	62			60	135	62	106	132	67	102	138	128
27	64			61	158	66	79	126	86	91	128	136
28	68			68	138	68	67	120	97	116	128	138
29	83			64	127	52	110	121	85	114	136	139
30	78			60	----------	45	91	148	88	123	139	126
31	80	----------		64	----------	52	----------	129	----------	103	128	----------
Total	2,109	2,100	2,015	1,872	2,537	2,080	3,270	3,670	3,385	3,040	4,894	4,004
Mean	68.0	70.0	65.0	60.4	87.5	67.1	109	118	113	98.1	158	133
Ac-ft	4,180	4,170	4,000	3,710	5,030	4,130	6,490	7,280	6,710	6,030	9,710	7,940

Calendar year 1967 : Max 266 Min - Mean 105 Ac-ft 75,940
Water year 1967-68: Max 250 Min - Mean 95.6 Ac-ft 69,380

Note.--No gage-height record Oct. 1-19, Oct. 31 to Jan. 21; discharge estimated.