

APPENDIX D
Summary of Storm Characteristics Associated
With SSO Discharges from the Inline Storage System (ISS)
1994 through 2000

- 1) **95 Aug 27** – Approximately 80% of the service area (SA) had less than a 5-year storm with total rainfall ranging between 0.4 and 3.3 inches in 36 hours. Approximately 20% of the SA had a storm between a 5-year and a 15-year event with rainfall between 3.4 and 4.3 inches.
- 2) **96 Jun 18** – Approximately 75% of the SA had less than a 5-year storm with rainfall between 2.3 and 3.8 inches in 18 hours. Approximately 25% of the SA had a storm between a 5-year and a 15-year event with rainfall between 3.8 and 4.1 inches.
- 3) **97 Jun 20** – Approximately 50% of the SA (northern half) had a storm with a recurrence interval between 50 and 100 years with rainfall between 6.0 and 8.1 inches in 24 hours. The entire SA exceeded the 5-year storm with rainfall between 4.0 and 8.1 inches.
- 4) **97 Jul 2** – Approximately 80% of the SA had less than a 5-year storm with 2.1 to 3.6 inches in 1 hour. Approximately 10% had between a 5-year and a 10-year storm with 4.0 to 5.0 inches. Approximately 10% had between a 10-year and a 50-year storm with 5.0 to 5.8 inches, primarily focused on the combined sewer service area.
- 5) **98 Aug 5** – Approximately 25% of the SA had greater than a 100-year storm with 7.0 to 8.9 inches in 12 hours. Approximately 25% of the SA had between a 25-year and a 100-year storm with 3.6 to 4.5 inches. Approximately 25% for the SA had between a 5-year and a 25-year storm with 3.0 to 3.6 inches.
- 6) **99 Apr 8** – Approximately 90% of the SA had less than a 5-year storm with 1.4 to 3.0 inches in 12 hours. Approximately 10% of the SA had between a 5-year and a 15-year storm
- 7) **99 Apr 21** – All of the SA has less than a 5-year storm with 2.1 to 3.3 inches in 36 hours. Approximately 67% of the SA had less than a 2-year storm with 2.1 to 2.9 inches.
- 8) **99 Jun 12** – Approximately 67% of the SA had less than a 5-year storm with 0.7 to 2.9 inches in 18 hours. Approximately 50% of the SA had less than a 2-year storm. Approximately 33% of the SA had a storm with a recurrence interval between 5 years and 25 years with 3.2 to 4.3 inches.
- 9) **99 Jul 21** – Approximately 50% of the SA had between a 5-year and a 75-year storm with 2.1 to 3.8 inches in 3 hours. The 50-year or greater storm covered less than 10% of the SA and was essentially confined to the combined sewer service area with rainfall between 2.1 and 3.8 inches
- 10) **00 May 17** – Approximately 50% of the SA (the southern half) had less than a 5-year storm with 2.5 to 3.3 inches in 24 hours. Approximately 50% of the SA had a storm with a recurrence interval between 5 years and 25 years with 3.3 to 4.7 inches
- 11) **00 Jul 2** – Approximately 50% of the SA (the northern half) had less than a 5-year storm with 0.8 to 2.4 inches in 6 hours. Approximately 50% had a storm between a 5-year and a 50-year event with 2.4 to 4.7 inches in 6 hours. Approximately 10% of the SA had greater than a 50-year storm with 4.4 and 4.7 inches.
- 12) **00 Aug 5** – Approximately 95% of the SA had less than a 5-year storm with 1.4 to 2.5 inches in 6 hours. Approximately 5% of the SA had a storm with a recurrence interval between 5 and 10 years with 2.5 to 2.9 inches.
- 13) **00 Sep 11** – Approximately 90% of the SA had less than a 5-year storm with 1.4 to 2.9 inches in 12 hours. Approximately 10% of the SA had a storm with a recurrence interval between 5 and 10 years with 2.9 to 3.5 inches.

