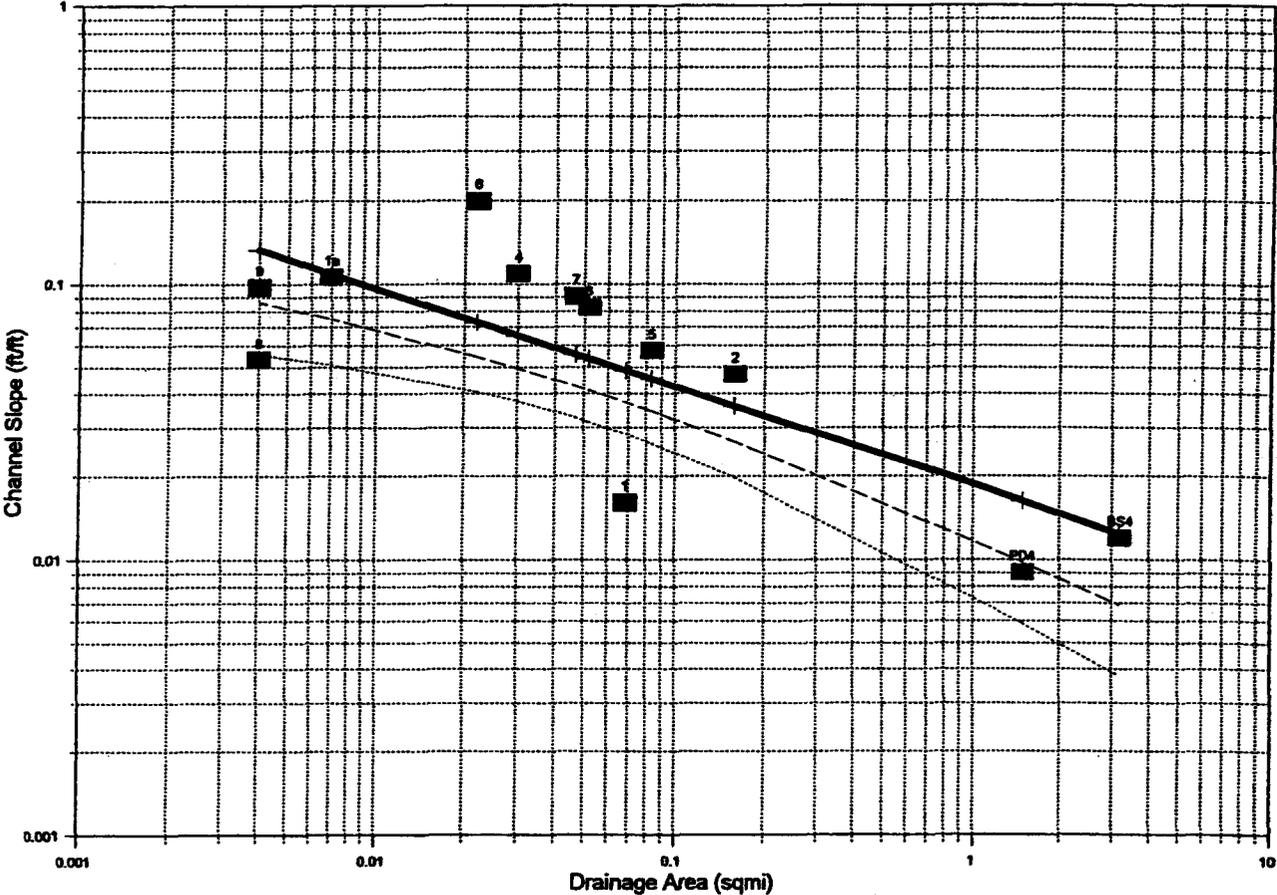


APPENDIX B

**Hanna Area
Regression Results**

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Channel Slope vs. Drainage Area

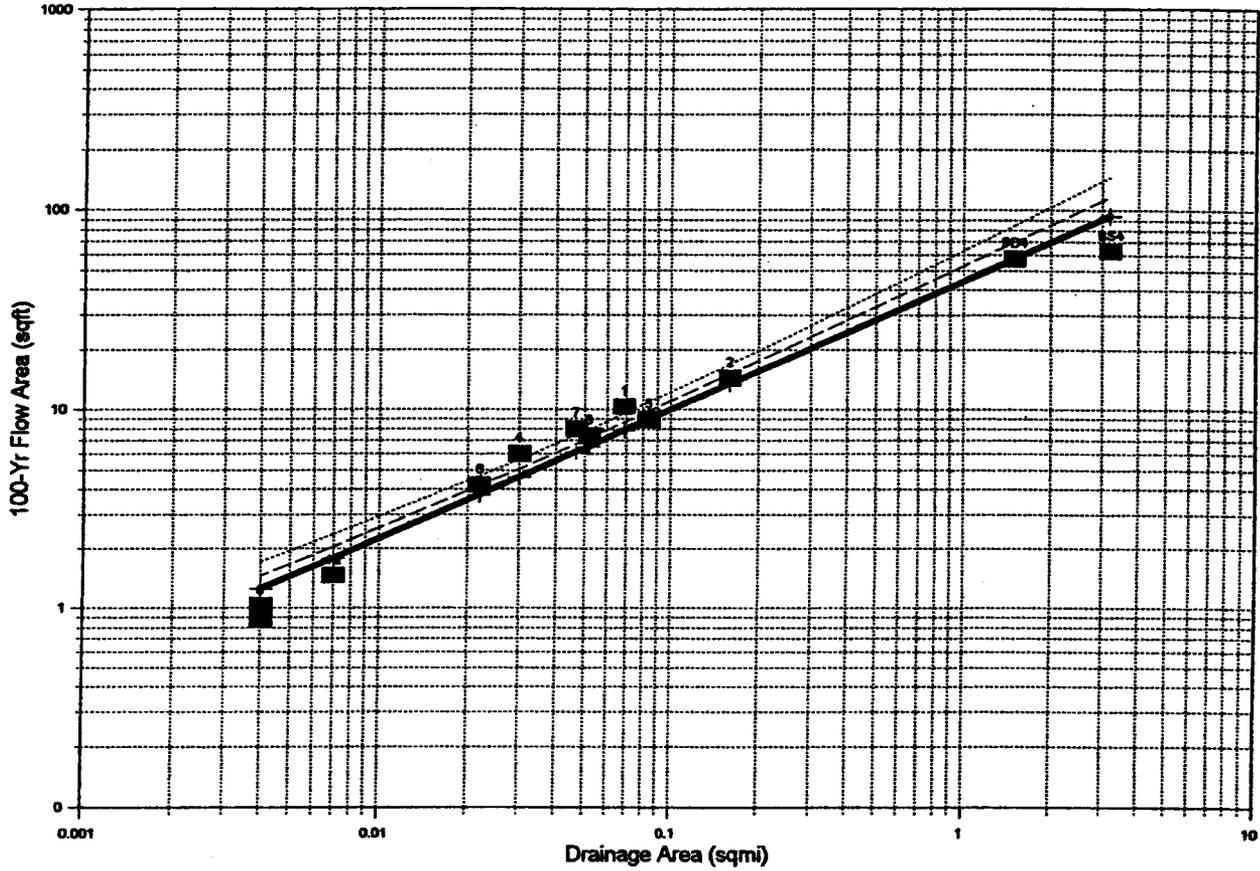


LEGEND

- Mean regression line
- 90% confidence interval
- SS-1
- 99% confidence interval
- Premined channel

Figure B-1. Channel slope, Hanna area.

Flow Area vs. Drainage Area 100-Year Event

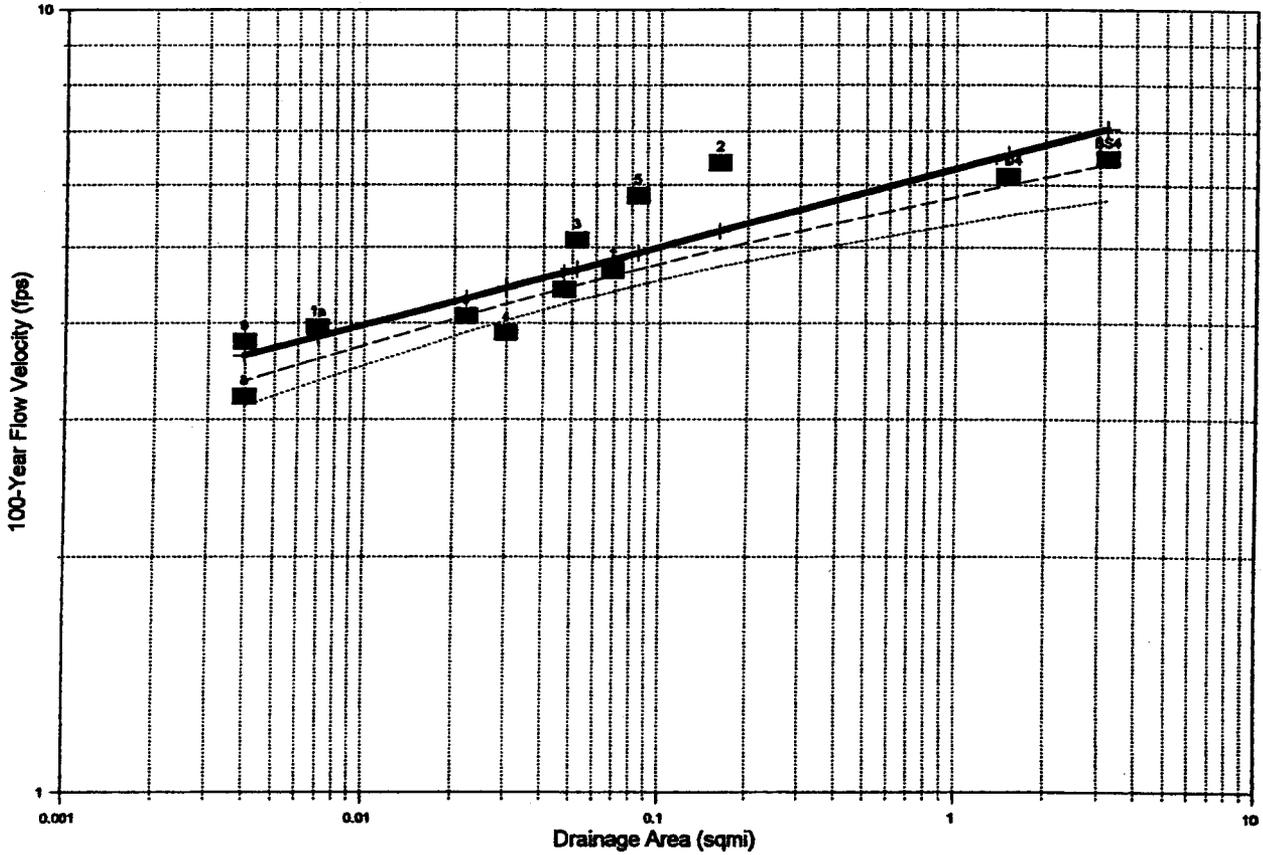


LEGEND

- Mean regression line
- 90% confidence interval
- SS-1 Premined channel
- 99% confidence interval

Figure B-2. Rainfall-runoff regression plot for 100-year channel design parameters, Hanna area.

Flow Velocity vs. Drainage Area 100-Year Event

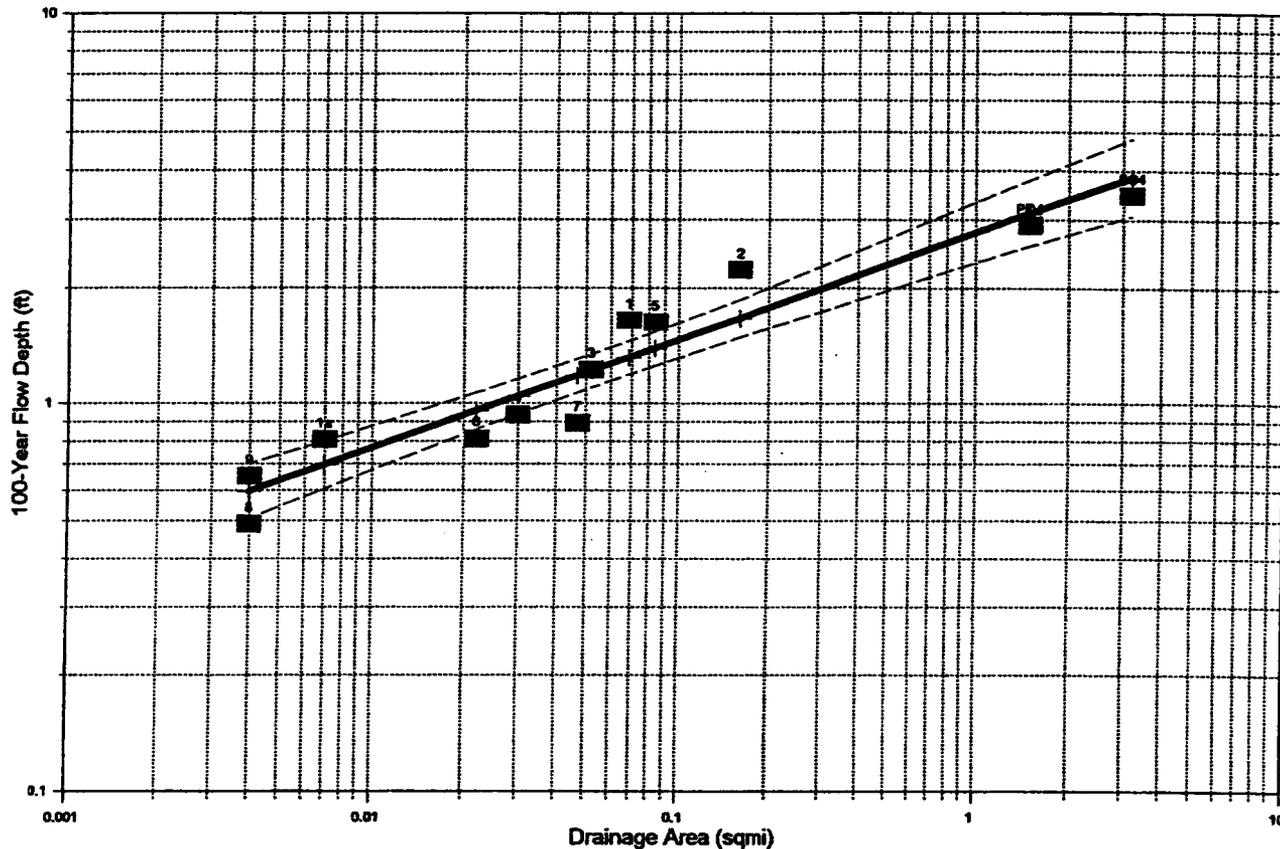


LEGEND

- Mean regression line
- 90% confidence interval
- SS-1 Premined channel
- 99% confidence interval

Figure B-3. Rainfall-runoff regression plot for 100-year channel design parameters, Hanna area.

Flow Depth vs. Drainage Area 100-Year Event

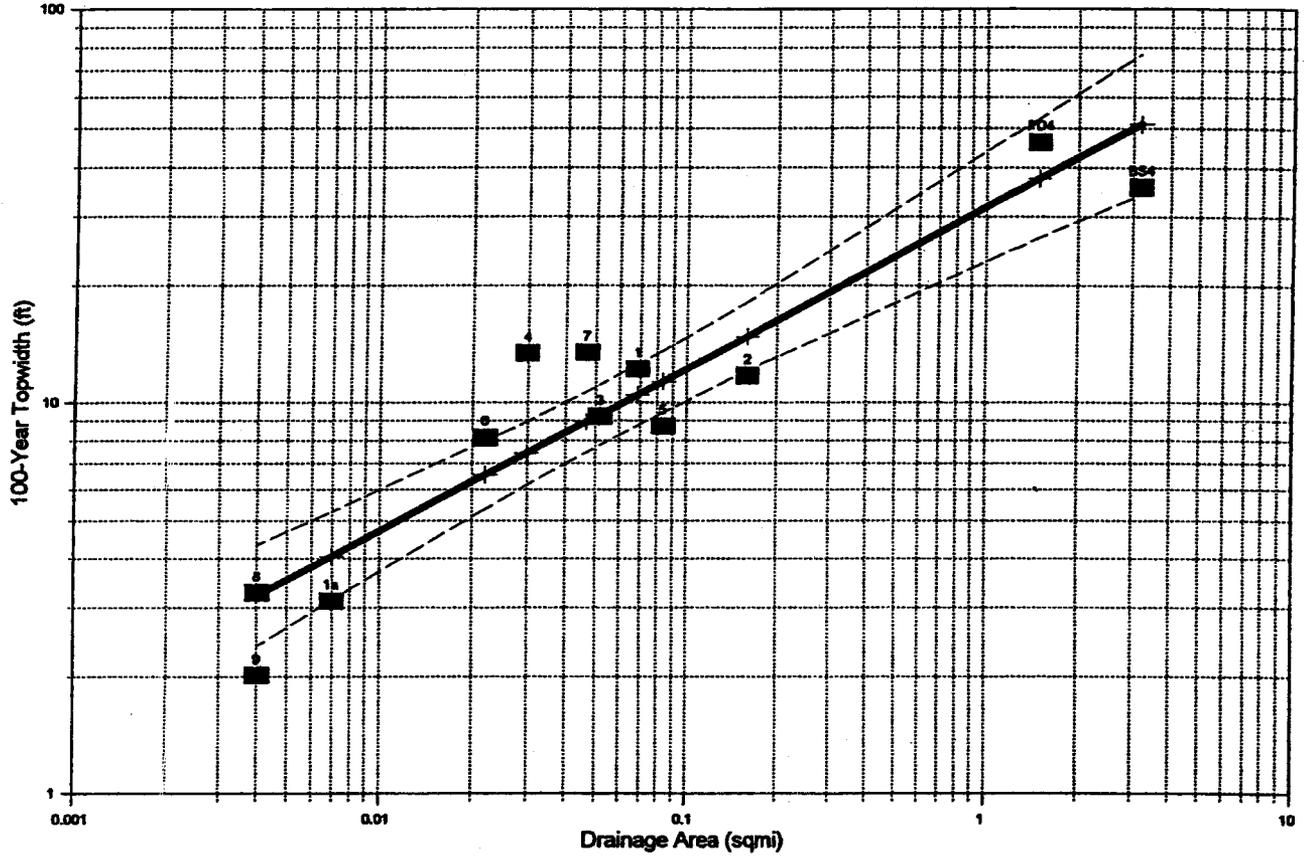


LEGEND

- Mean regression line
- - - 90% confidence interval
- SS-1 Premined channel

Figure B-4. Rainfall-runoff regression plot for 100-year channel design parameters, Hanna area.

Flow Topwidth vs. Drainage Area 100-Year Event

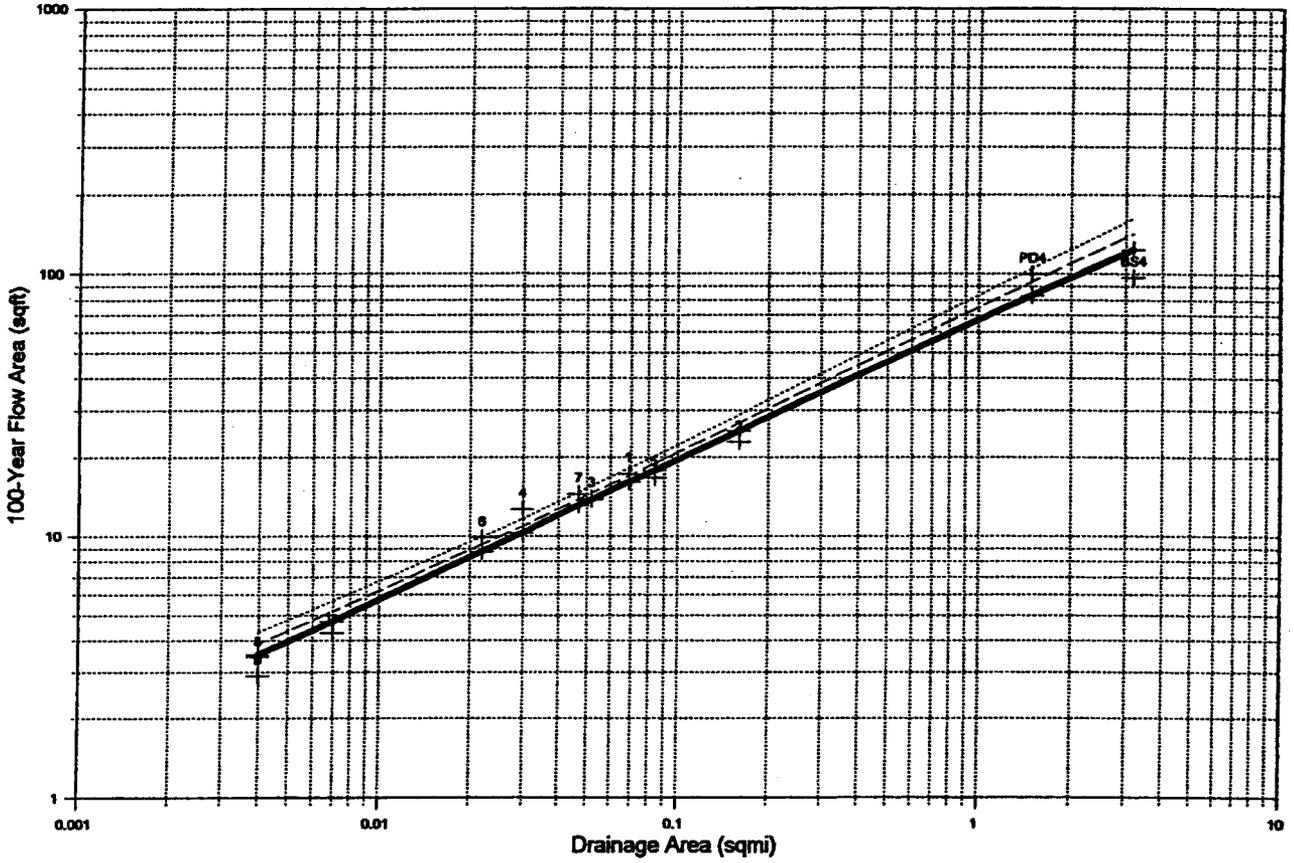


LEGEND

- Mean regression line
- - - 90% confidence interval
- SS-1 Premined channel

Figure B-5. Rainfall-runoff regression plot for 100-year channel design parameters, Hanna area.

Flow Area vs. Drainage Area 100-Year Event



LEGEND

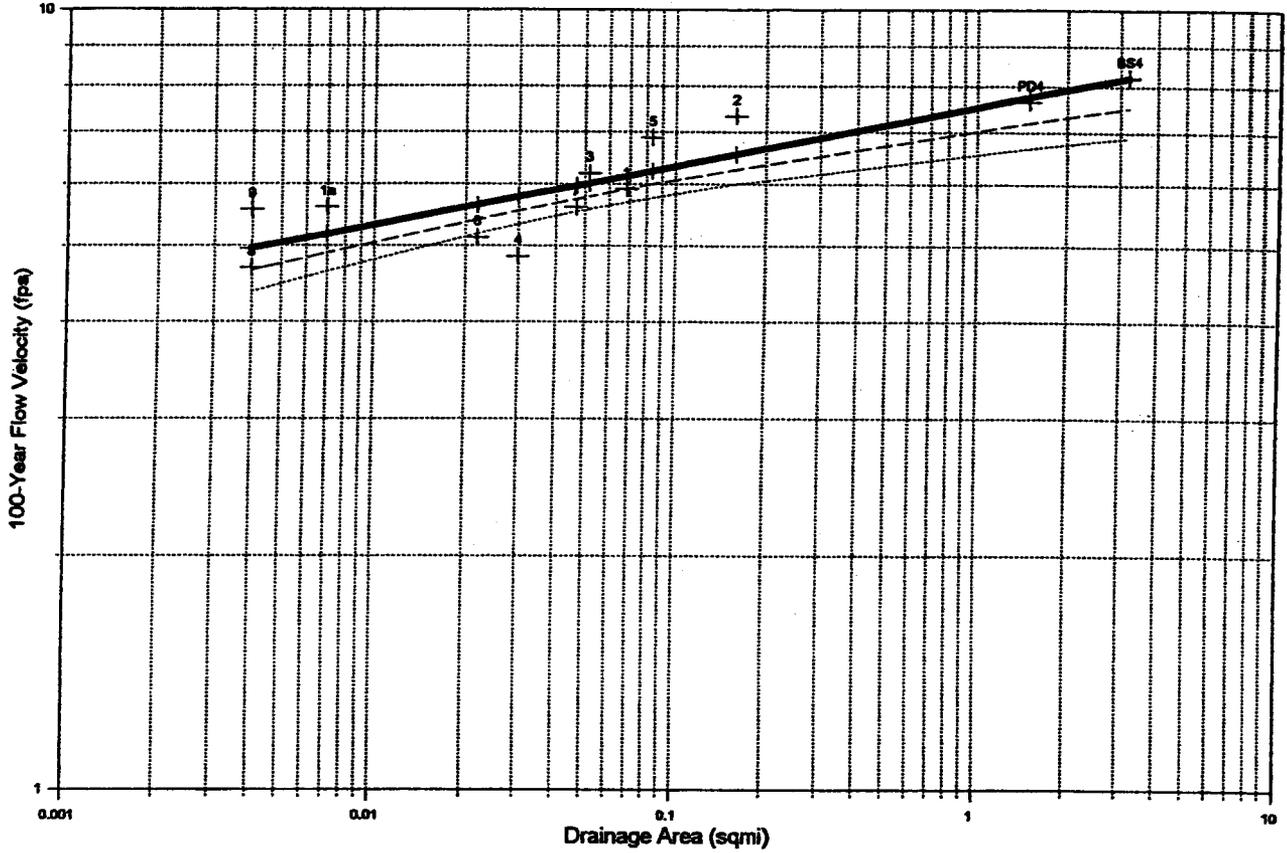
- Mean regression line

■ SS-1 Premined channel
- - - 90% confidence interval

... 99% confidence interval

Figure B-6. Regional analysis regression plot for 100-year channel design parameters, Hanna area.

Flow Velocity vs. Drainage Area 100-Year Event

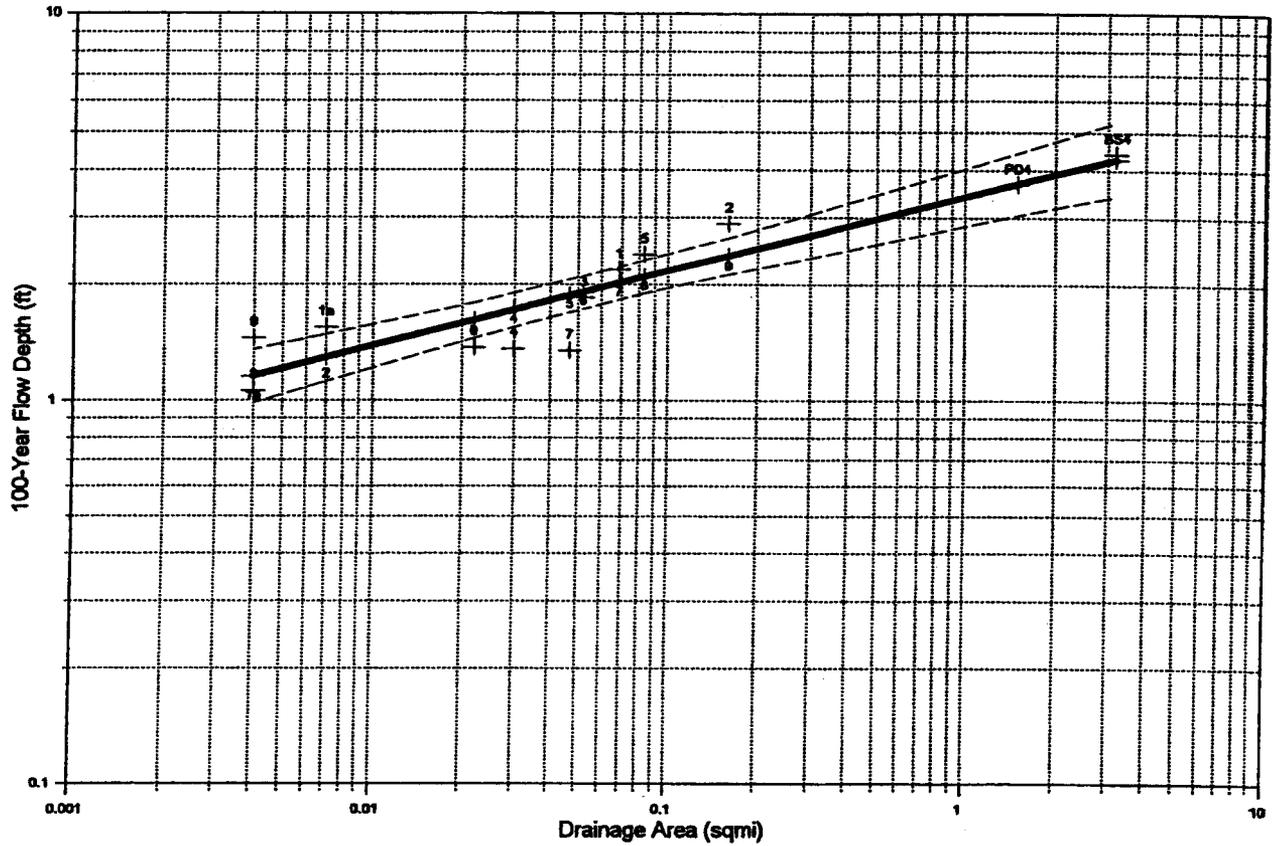


LEGEND

- Mean regression line
- 90% confidence interval
- SS-1 Premined channel
- 99% confidence interval

Figure B-7. Regional analysis regression plot for 100-year channel design parameters, Hanna area.

Flow Depth vs. Drainage Area 100-Year Event

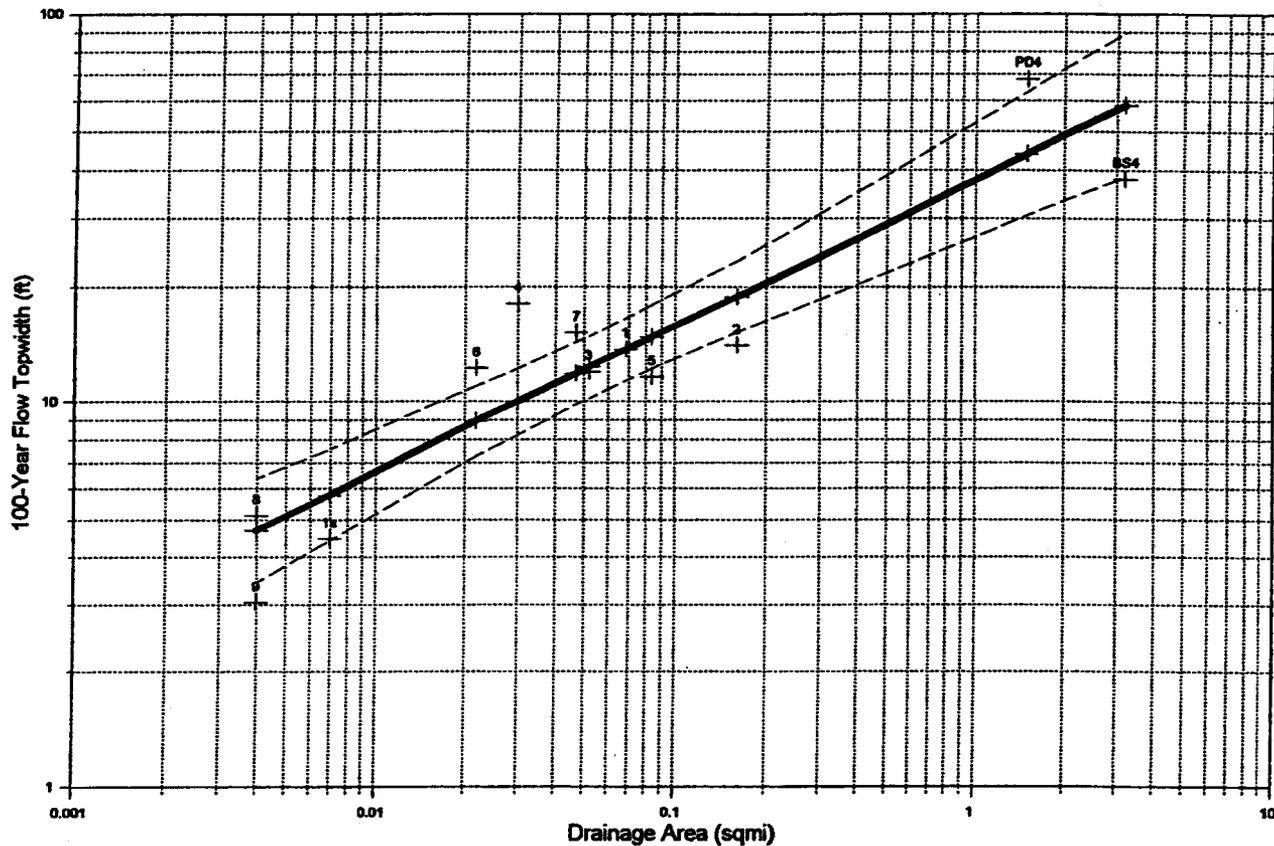


LEGEND

- Mean regression line
- - - 90% confidence interval
- SS-1 Premined channel

Figure B-8. Regional analysis regression plot for 100-year channel design parameters, Hanna area.

Flow Topwidth vs. Drainage Area 100-Year Event

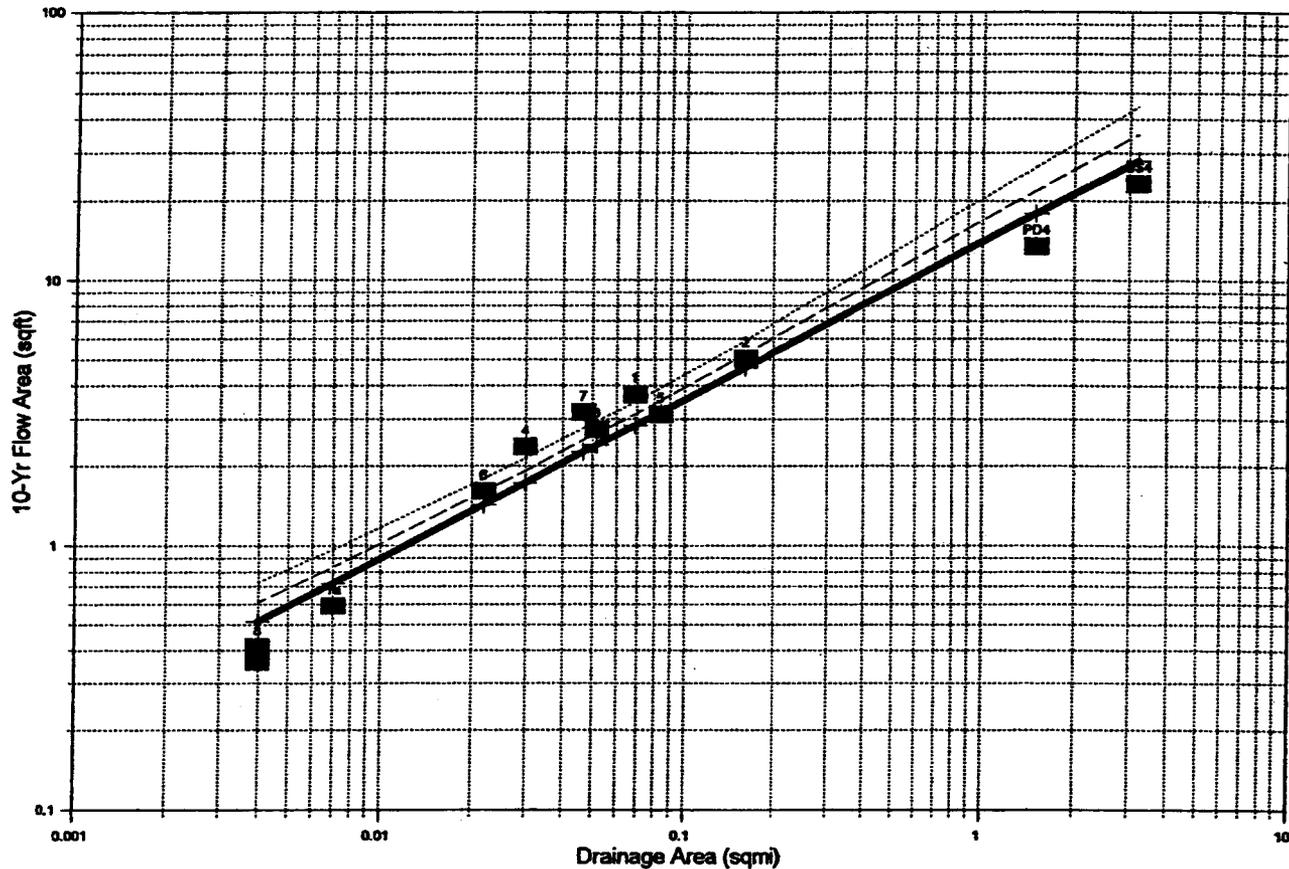


LEGEND

- Mean regression line
- - - 90% confidence interval
- SS-1 Premined channel

Figure B-9. Regional analysis regression plot for 100-year channel design parameters, Hanna area.

Flow Area vs. Drainage Area 10-Year Event

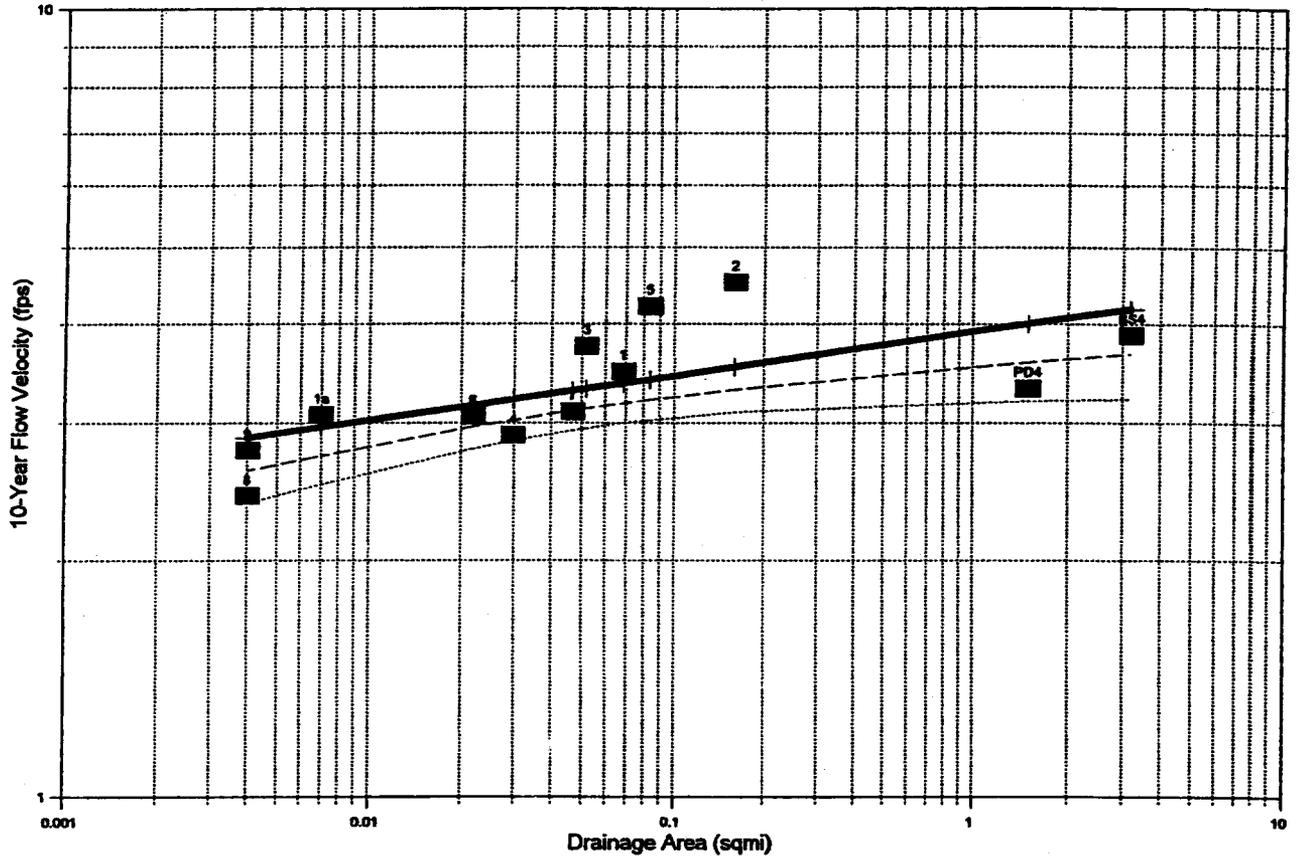


LEGEND

- Mean regression line
- 90% confidence interval
- 99% confidence interval
- SS-1 Premined channel

Figure B-10. Rainfall-runoff regression plot for 10-year channel design parameters, Hanna area.

Flow Velocity vs. Drainage Area 10-Year Event



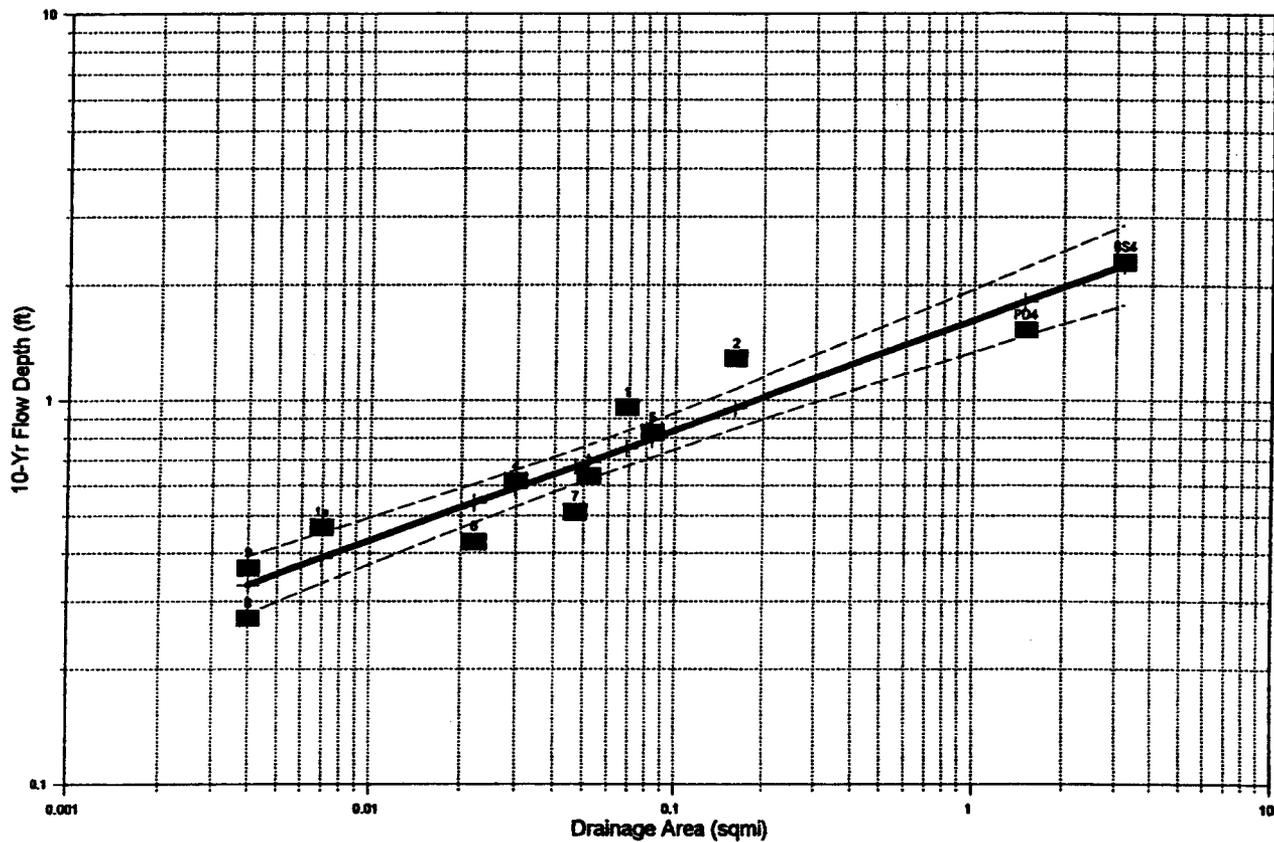
LEGEND

- Mean regression line
 90% confidence interval
- SS-1

 Premined channel
 99% confidence interval

Figure B-11. Rainfall-runoff regression plot for 10-year channel design parameters, Hanna area.

Flow Depth vs. Drainage Area 10-Year Event

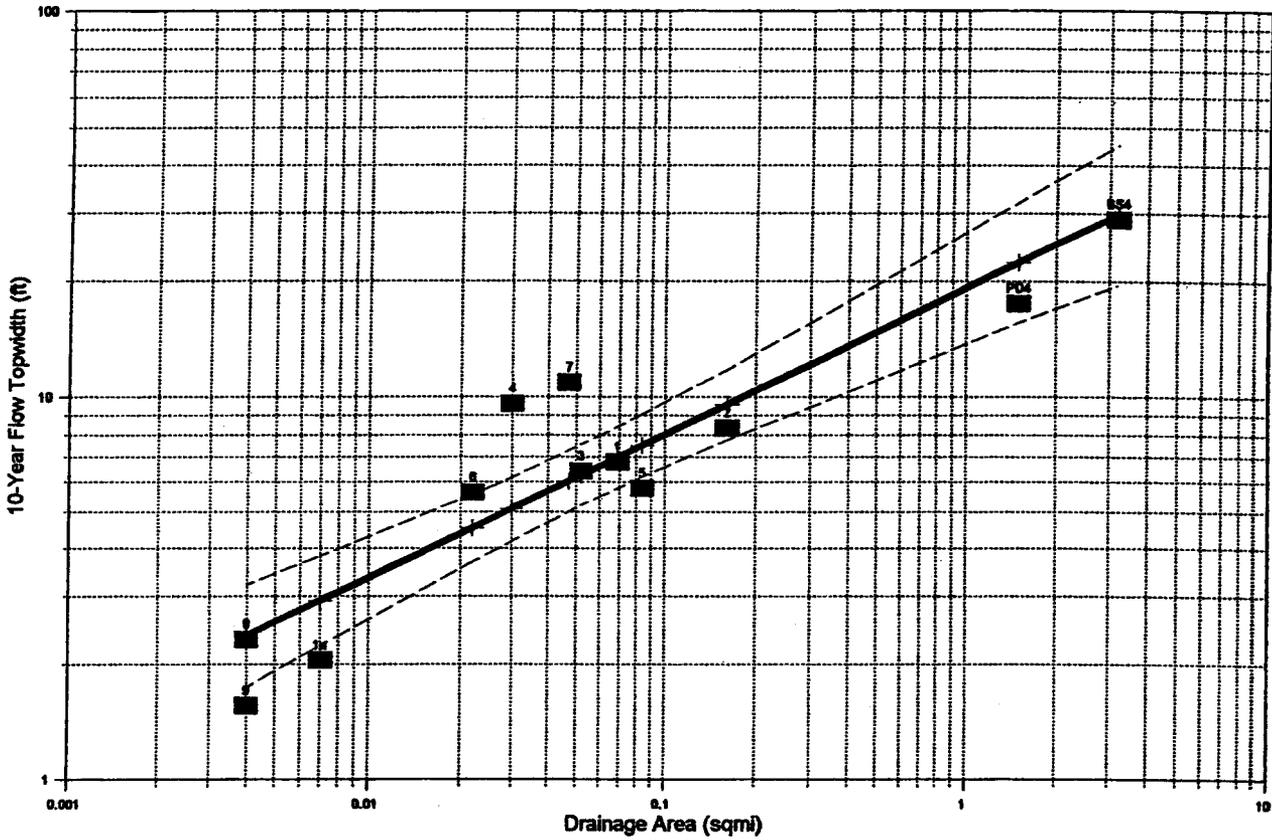


LEGEND

- Mean regression line
- 90% confidence interval
- Premined channel

Figure B-12. Rainfall-runoff regression plot for 10-year channel design parameters, Hanna area.

Flow Topwidth vs. Drainage Area 10-Year Event

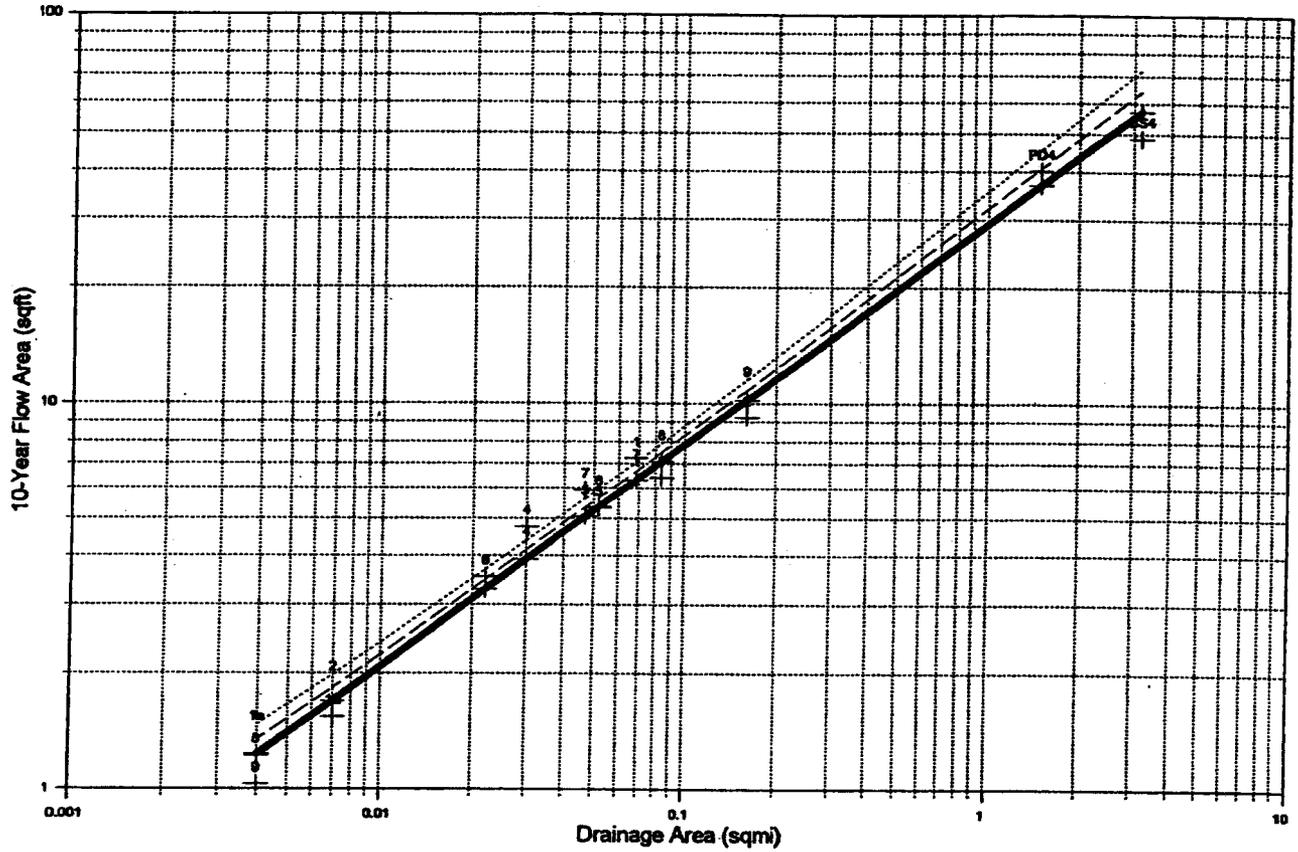


LEGEND

- Mean regression line
- 90% confidence interval
- SS-1
- Premined channel

Figure B-13. Rainfall-runoff regression plot for 10-year channel design parameters, Hanna area.

Flow Area vs. Drainage Area 10-Year Event

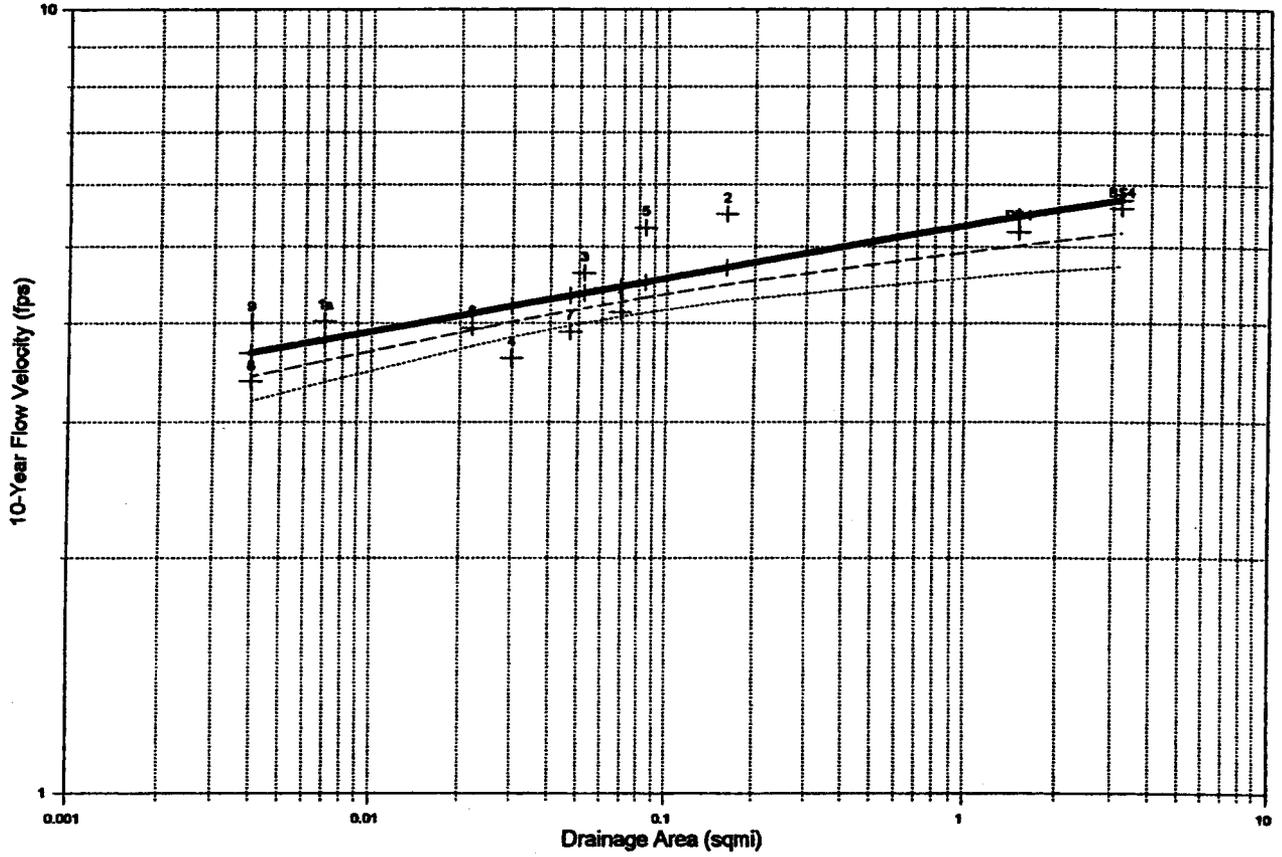


LEGEND

- | | |
|--|---|
| <p>— Mean regression line</p> <p>SS-1
■ Premined channel</p> | <p>- - - 90% confidence interval</p> <p>... 99% confidence interval</p> |
|--|---|

Figure B-14. Regional analysis regression plot for 10-year channel design parameters, Hanna area.

Flow Velocity vs. Drainage Area 10-Year Event



LEGEND

- Mean regression line
- - - 90% confidence interval
- SS-1 Premined channel
- . . . 99% confidence interval

Figure B-15. Regional analysis regression plot for 10-year channel design parameters, Hanna area.