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DAILY FLOW MODEL OF THE DELAWARE RIVER BASIN. APPENDICES. (U)
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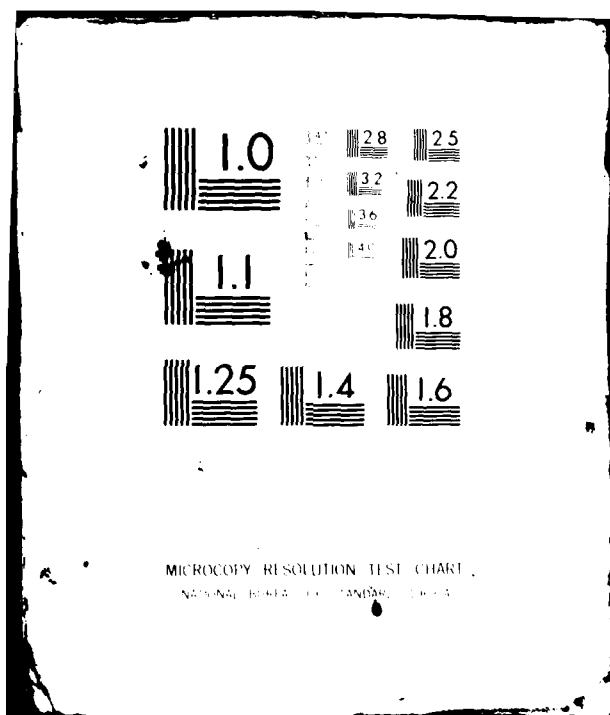
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APPENDICES

BOOK
2 of 2



September 1981

REPORT NO: DAEN/MAP-51850/DFM02-81/09

KEY FOR
SERIES OF DOCUMENTATION

MAIN REPORT (Book 1 of 2)

- VOLUME 1 - Phase I Report for Development of a Daily Flow Model of the Delaware River.
- VOLUME 2 - Phase II Report for Development of a Daily Flow Model of the Delaware River which Incorporates Reservoir Systems Analysis

APPENDICES (Book 2 of 2)

- APPENDIX A - Natural Daily Flows Duration and Frequency Analysis for Phase I
- APPENDIX B - Regulated Daily Flows Duration and Frequency Analysis for Phase I
- APPENDIX C - Base Run Daily Flows Duration and Frequency Analysis For Phase II
- APPENDIX D - Combination one Daily Flows Duration and Frequency Analysis for Phase II
- APPENDIX E - Combination 17 Daily Flows Duration and Frequency Analysis For Phase II

USER'S MANUAL AND DOCUMENTATION

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This effort was conducted by Camp Dresser and McKee (CDM) under contract to the Philadelphia District, Corps of Engineers (PDO) with direction from a committee representing two states and four agencies. The principal engineers for CDM were Robert Taylor, Thomas George and Sue Hanson-Walton. Paul Gaudini of the Corps was responsible for the conduct of the work with technical support from Dave Erickson and Vince Hill. Members of the committee included John McSparran and Steve Runkle of the Pennsylvania Department of Environmental Resources, William Lee and Chin Liu from the New York Department of Environmental Conservation, Robert Goodell of the Delaware River Basin Committee, and James Shearman from the U.S. Geological Survey. In addition, assistance was received throughout the study from George Mekenian and Raphael Hurwitz from New York City Department of Environmental Protection.

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This document contains daily flows duration, frequency tables and plots for the development of a daily flow model of the Delaware River which incorporates reservoir system analysis. Duration tables, plots and frequency tables are presented for 44 locations. Appendix A contains data for natural daily flows of a 50 year base period developed from the natural flow model and includes the duration curves of the		

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regulated flows. Appendixes B-E provide data for a 50 year base period of regulated flow in relationship to various reservoirs within the study area.

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Daily Flow Model
of the
Delaware River Basin



US Army Corps
of Engineers
Philadelphia District

September 1981

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APPENDICES

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Camp Dressler & McKee, Inc.
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PREPARED FOR:

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Harrisburg, Pa.

New York Department of
Environmental Conservation
Albany, N.Y.

Delaware River Basin Commission
West Trenton, N.J.

U.S. Geological Survey
Harrisburg, Pa.

FOREWORD

This document contains daily flows duration and frequency tables and plots for Phase I 2nd Phase II of the Development of a Daily Flow Model of the Delaware River which Incorporates Reservoir Systems Analysis. Duration tables and plots, and frequency tables are presented for 44 key locations. Frequency plots for the 7-day and 120-day periods are presented for 10 key locations.

Appendix A contains the data for the natural daily flows of a 50-year base period developed from the natural flow model as described in Chapter III of Phase I. Appendix A also contains the duration curves of the regulated flows on the same plots as the natural flows.

Appendix B contains the data for a 50-year base period of regulated flow by the New York City reservoirs as described in Chapter IV of Phase I.

Appendix C contains the data for the Phase II base run flows of a 50-year base period which are different than the Phase I natural flows as described in Chapter II of Phase II.

Appendix D contains the data for a 50-year base period of regulated flow for Combination One (Beltxville only) described in Chapter IV of Phase II.

Appendix E contains the data for a 50-year base period of regulated flows for Combination Seventeen (all reservoirs operating) as described in Chapter IV of Phase II.

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APPENDIX A
NATURAL DAILY FLOW
DURATION AND FREQUENCY ANALYSIS

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Natural Flow Duration Table

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Flow Duration Curves, Natural
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Natural Low Flow Frequency Curves

Figures A-45 to A-62

Table A-1
Natural Flow Duration Table
(Flow in cfs)

Model Node	Percent of Time Discharge was Equaled or Exceeded									
	1	10	25	50	70	75	90	95	99	
01417000 East Branch Delaware River at Downsville, N.Y.	4,600	1,600	870	390	200	160	71	51	30	
01421000 East Branch Delaware River at Fishes Eddy, N.Y.	11,000	3,700	2,000	930	500	420	200	140	77	
01425000 West Branch Delaware River at Stilesville, N.Y.	5,700	1,900	990	440	230	180	86	61	35	
01426500 West Branch Delaware River at Hale Eddy, N.Y.	7,400	2,400	1,300	570	290	230	110	75	44	
01427405 Delaware River near Callicoon, N.Y.	21,000	7,500	3,800	1,800	1,000	820	390	270	160	
01428500 Delaware River near Barryville, N.Y.	25,000	8,800	4,700	2,100	1,200	950	450	320	180	
01429000 Lackawaxen River at Prompton, PA.	660	220	120	60	32	27	15	11	7.0	
01429500 Dyberry Creek near Honesdale, PA.	780	230	98	53	27	22	9.9	7.2	3.7	
01430000 Lackawaxen River at Honesdale, PA.	1,900	600	320	150	82	68	34	26	16	
01431500 Lackawaxen River at Hawley, PA.	3,600	1,100	560	260	130	110	55	42	24	
01434000 Delaware River at Port Jervis, N.Y.	32,000	12,000	6,400	3,500	2,100	1,900	1,000	730	440	

Table A-1
Natural Flow Duration Table (Cont'd)
(Flow in cfs)

Model Node	Percent of Time Discharge was Equalled or Exceeded									
	1	10	25	50	70	75	90	95	99	
01436000 Neversink River at Neversink, N.Y.	1,700	520	290	160	97	84	46	34	20	
01437000 Neversink River at Oakland, N.Y.	3,000	1,000	580	300	180	150	82	60	39	
01438500 Delaware River at Montague, N.J.	37,000	14,000	8,000	4,100	2,500	2,200	1,200	640	130	
01440200 Delaware River below Tocks Island Dam site, PA.	39,000	16,000	9,000	4,600	2,800	2,400	1,300	790	160	
01446500 Delaware River at Belvidere, N.J.	45,000	18,000	12,000	5,500	3,300	2,800	1,600	1,200	310	
01447800 Lehigh River at White Haven, PA.	3,200	1,200	750	410	250	210	120	90	61	
01449800 Pohopoco Creek at Beltzville Dam site, PA.	730	300	190	110	71	62	39	27	19	
Aquashicola Creek at Aquashicola Dam site, PA.	730	260	150	85	54	47	29	20	15	
01450500 Aquashicola Creek at Palmerton, PA.	840	300	180	99	62	55	33	25	17	
01451000 Lehigh River at Walnutport, PA.	9,700	3,800	2,300	1,300	790	680	390	300	210	
01451800 Jordan Creek near Schnecksville, PA.	580	170	88	41	21	18	7.9	4.7	2.0	
01451200 Jordan Creek at Allentown, PA.	840	240	120	59	31	25	11	6.5	3.7	

Table A-1
Natural Flow Duration Table (Cont'd)
(Flow in cfs)

Model Node	Percent of Time Discharge was Equalled or Exceeded									
	1	10	25	50	70	75	90	95	99	
01453000 Lehigh River at Bethlehem, PA.	12,000	4,900	3,100	1,800	1,100	1,000	640	510	380	
01454700 Lehigh River at Glendon, PA.	12,000	5,100	3,200	1,900	1,200	1,100	700	570	420	
01456000 Musconetcong River near Hackettstown, N.J.	550	270	170	92	56	49	29	22	13	
01457500 Delaware River at Riegelsville, N.J.	57,000	25,000	15,000	8,100	5,000	4,400	2,600	2,000	610	
01459500 Tonickon Creek at Pipersville, PA.	1,900	320	110	38	15	12	4.1	2.4	1.1	
01463500 Delaware River at Trenton, N.J.	60,000	26,000	16,000	8,500	5,200	4,600	2,700	2,000	700	
01467500 Schuylkill River at Pottsville, PA.	460	190	120	71	48	43	28	23	18	
01467950 West Branch Schuylkill River at Cressona, PA.	340	160	100	61	41	37	25	21	16	
01468500 Schuylkill River at Landingville, PA.	1,200	480	310	180	120	110	63	50	37	
01469500 Little Schuylkill River at Tamaqua, PA.	520	180	99	50	30	26	13	8.9	5.8	
01470000 Little Schuylkill River at Drehersville, PA.	1,000	440	290	170	120	100	61	50	37	

Table A-1
Natural Flow Duration Table (Cont'd)
(Flow in cfs)

Model Node	1	10	25	50	70	75	90	95	99
01470500 Schuylkill River at Berne, PA.	3,700	1,400	820	450	290	250	150	120	82
01470756 Maiden Creek at Virginville, PA.	1,500	460	240	120	66	56	32	25	16
01470960 Tulpehocken Creek at Blue Marsh Damsite, PA.	1,300	490	310	180	120	100	67	55	39
01471000 Tulpehocken Creek at Reading, PA.	1,500	580	370	210	140	120	81	66	49
01471500 Schuylkill River at Reading, PA.	8,600	3,200	1,800	950	570	500	300	230	160
01472000 Schuylkill River at Pottstown, PA.	9,800	3,800	2,300	1,300	810	720	450	360	260
01473000 Perkiomen Creek at Graterford, PA.	4,000	790	340	160	85	74	45	37	22
01474500 Schuylkill River at Philadelphia, PA.	17,000	6,100	3,500	1,900	1,100	1000	620	490	350
Delaware River below Schuylkill Confluence	77,000	36,000	22,000	12,000	7,500	6,600	4,000	3,100	2,200
Delaware River at Delaware Memorial Bridge	84,000	37,000	24,000	13,000	8,400	7,400	4,500	3,500	2,400

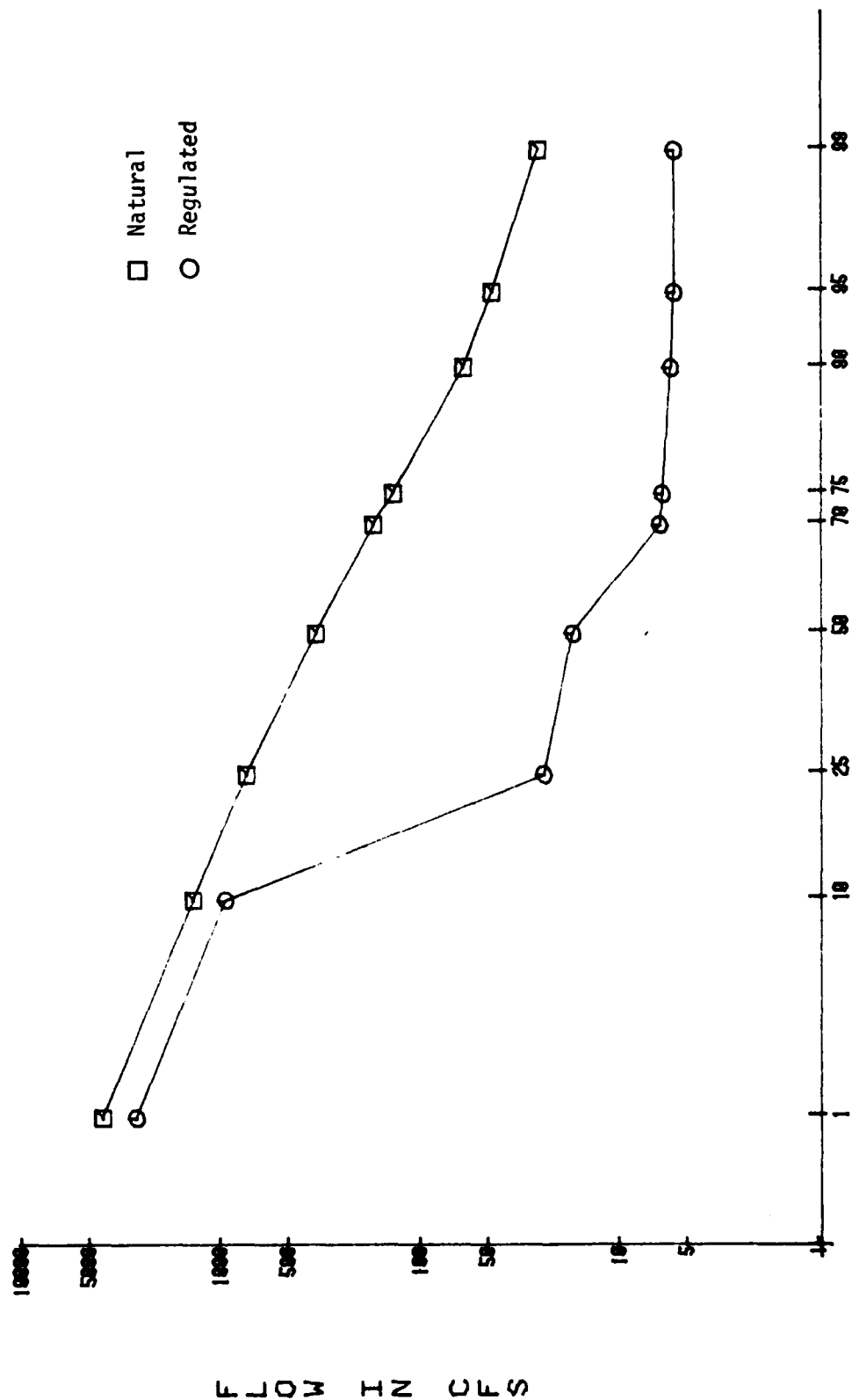


FIGURE A-1. Natural and Regulated Flow Duration Curves for
01417000, East Branch Delaware River at Downsview, N.Y.

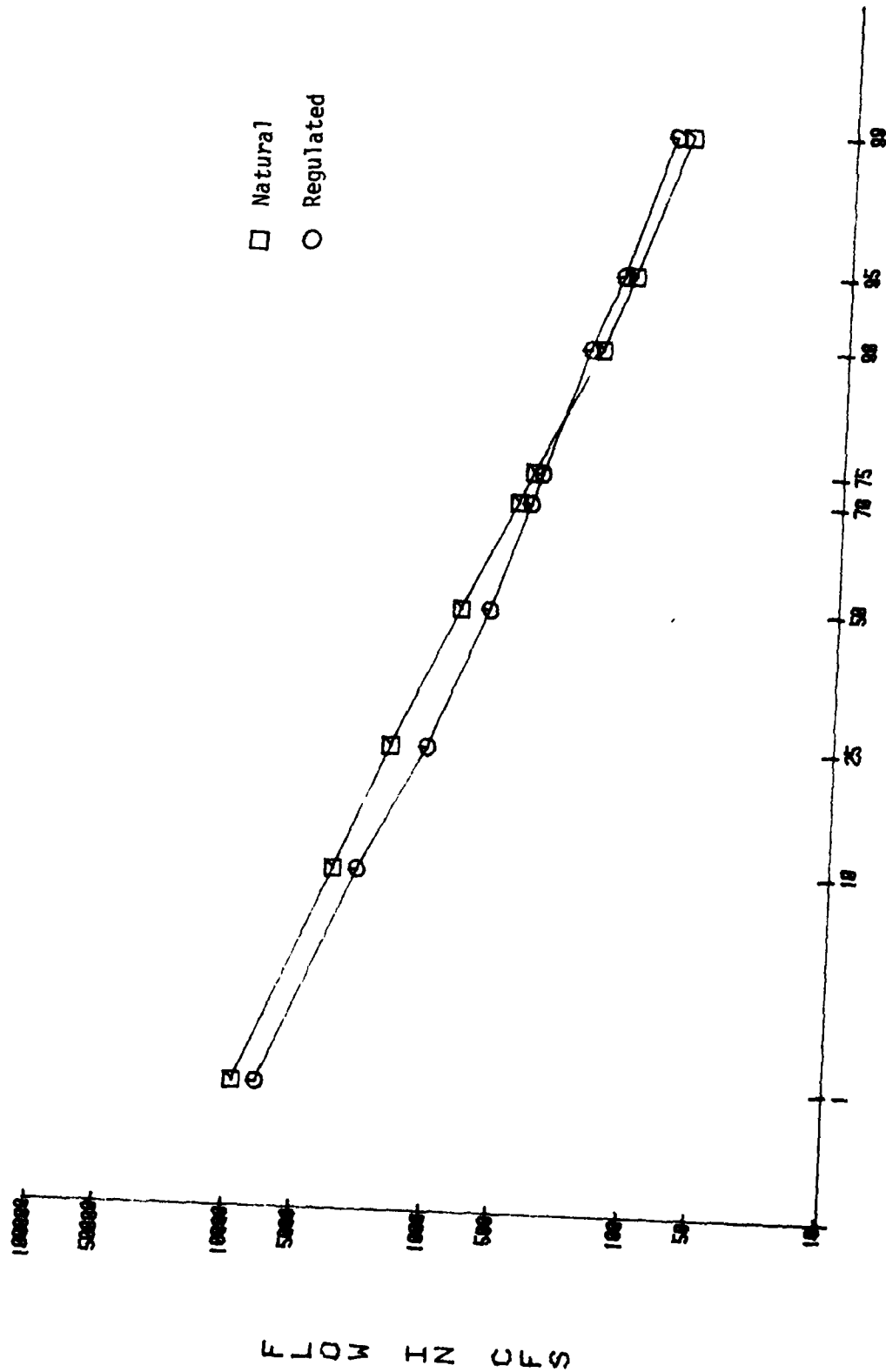


Figure A-2. Natural and Regulated Flow Duration Curves for 01421000, East Branch Delaware River at Fishs Eddy, N.Y.

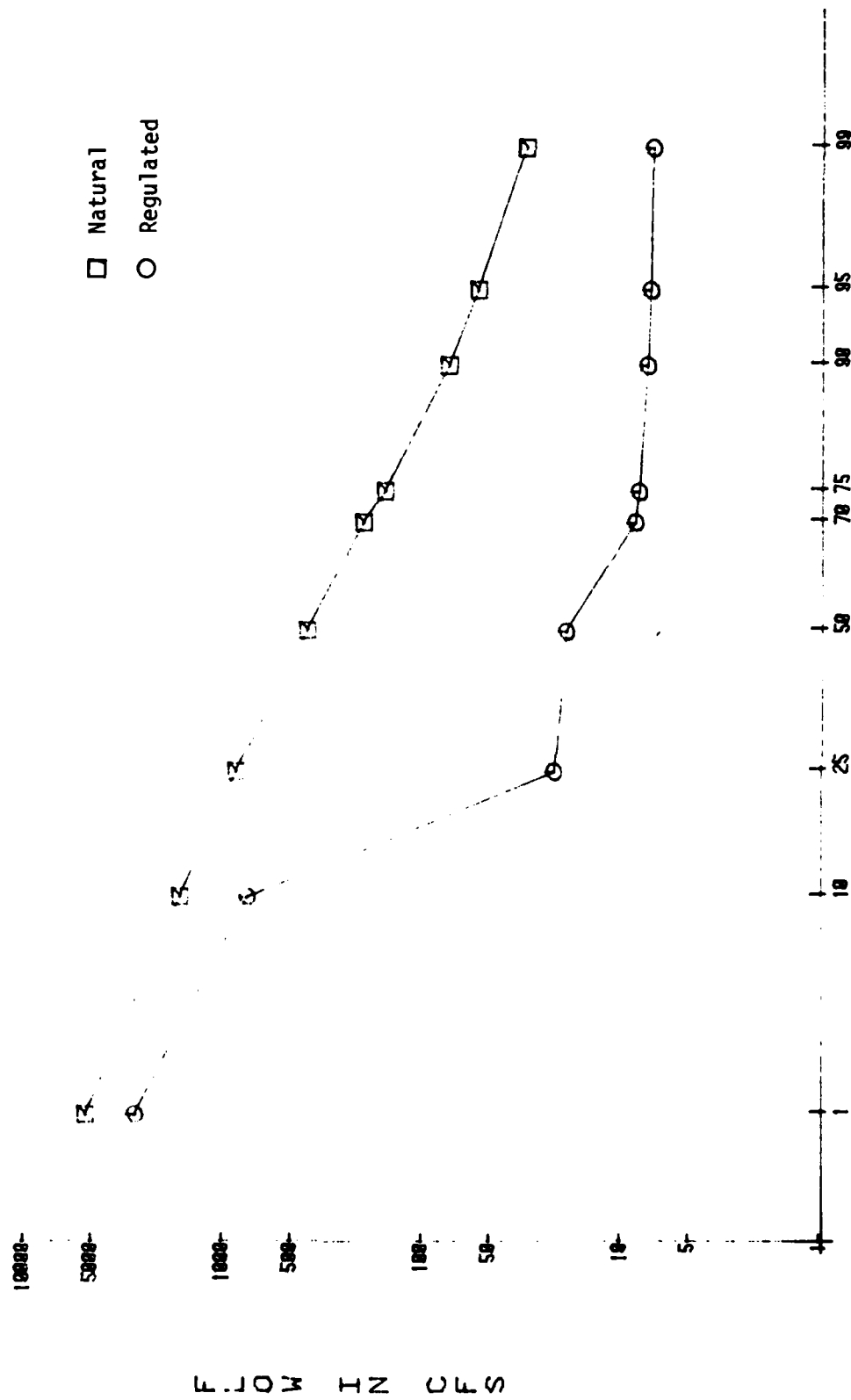
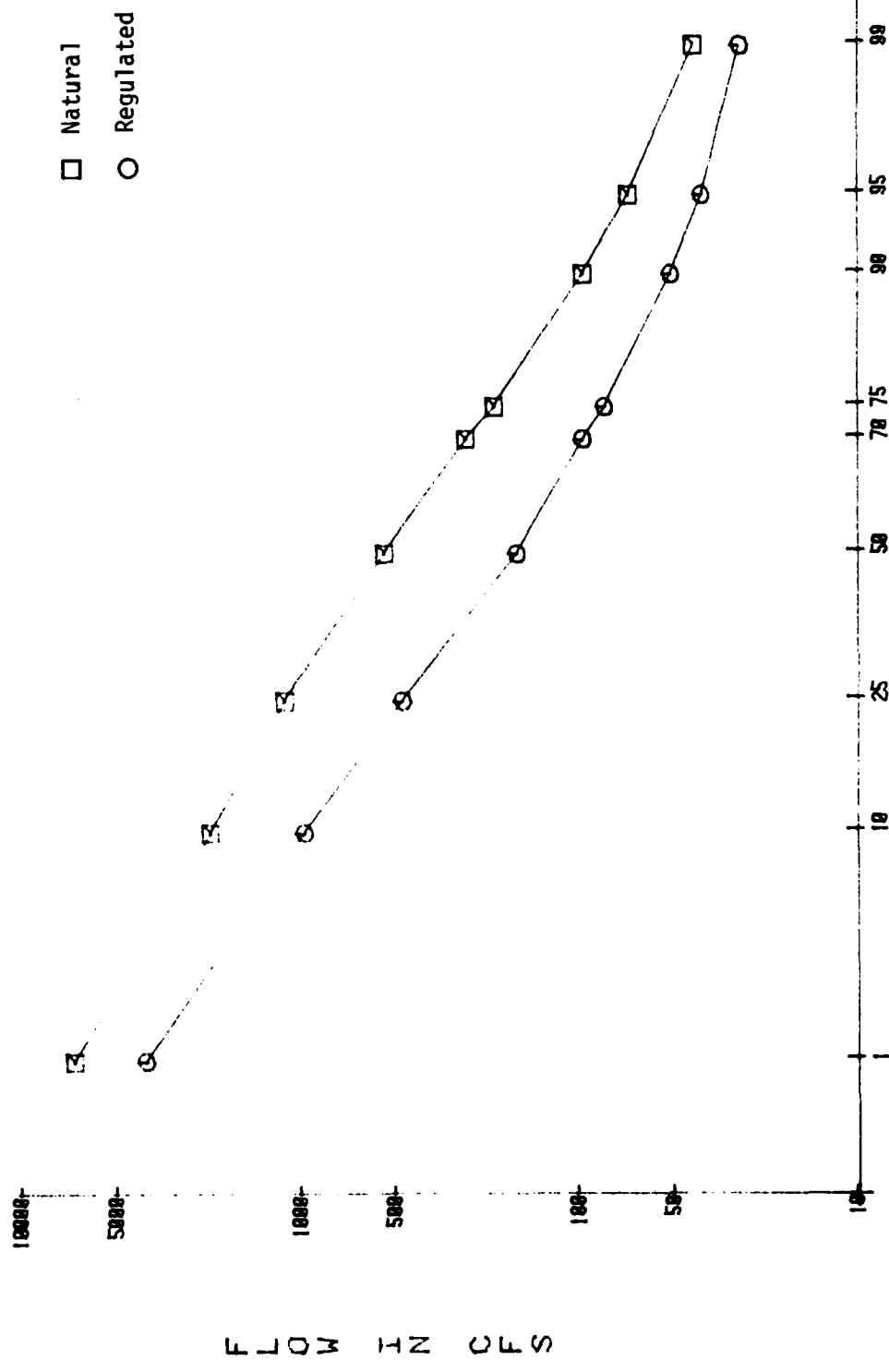
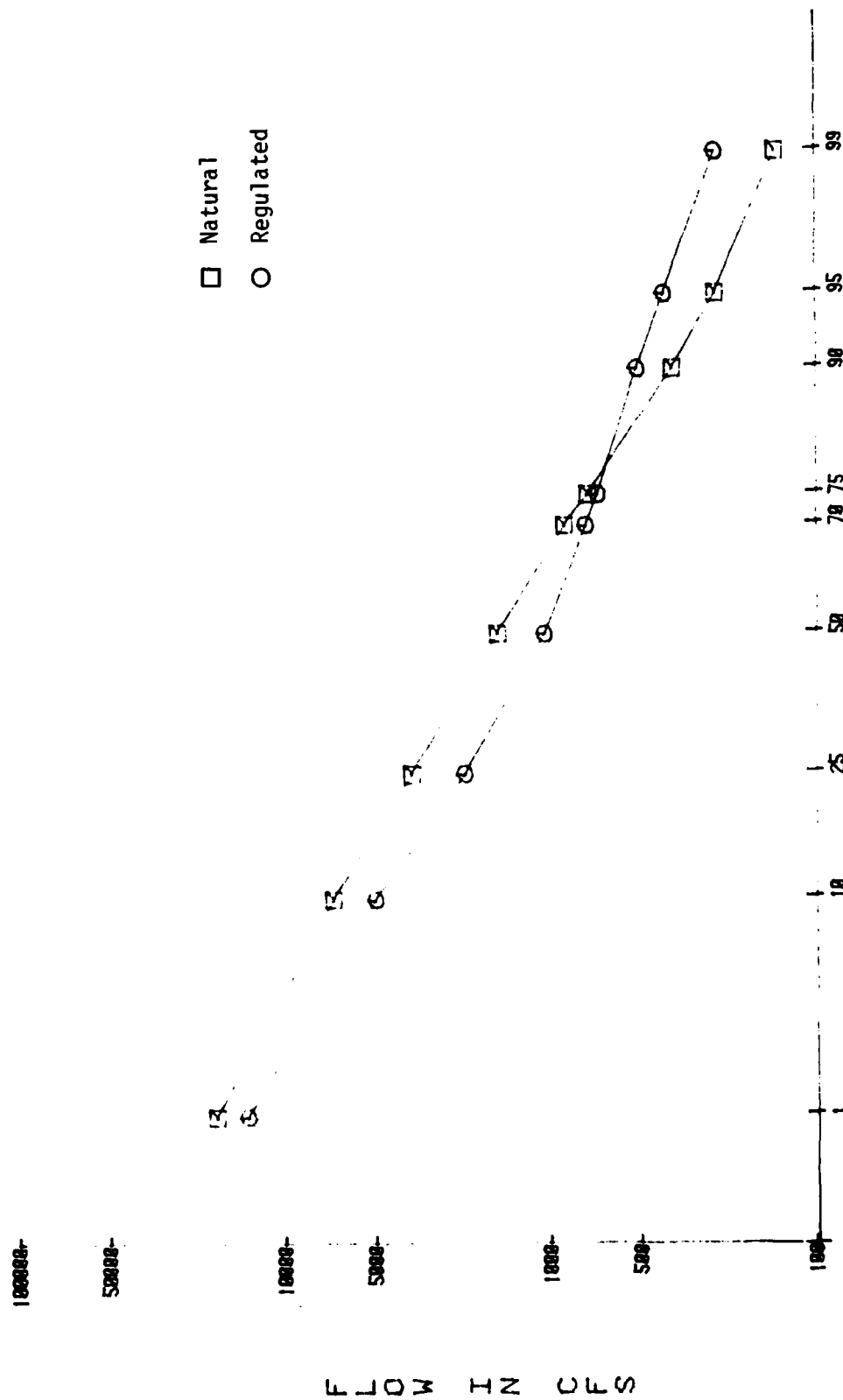


Figure A-3. Natural and Regulated Flow Duration Curves for
 01425000, West Branch Delaware River at Stilesville, N.Y.



PERCENT TIME EQUALED OR EXCEEDED

Figure A-4. Natural and Regulated Flow Duration Curves for
01426500, West Branch Delaware River at Hale Eddy, N.Y.



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Figure A-5. Natural and Regulated Flow Duration Curves for
01427405, Delaware River near Callicoon, N.Y.

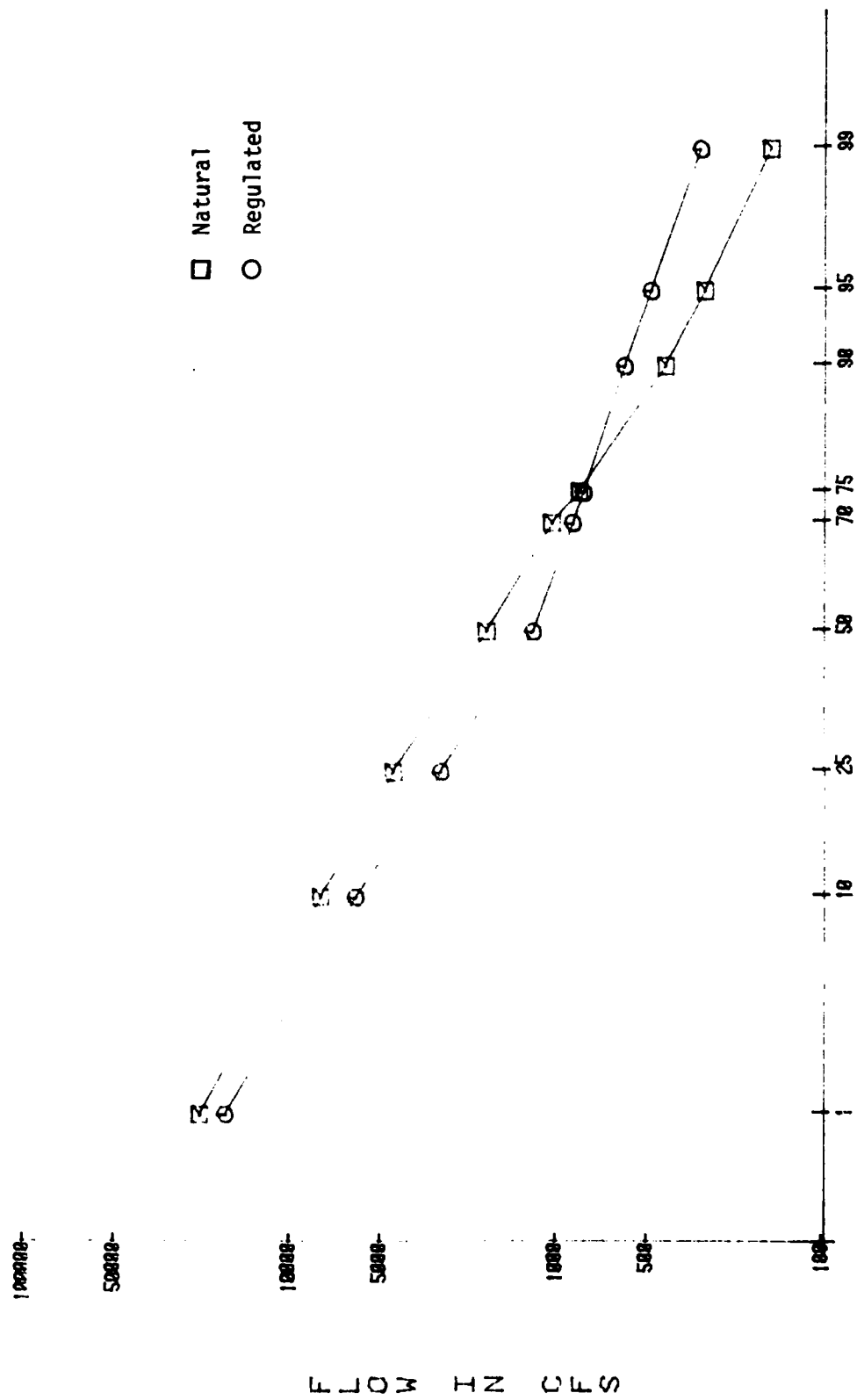
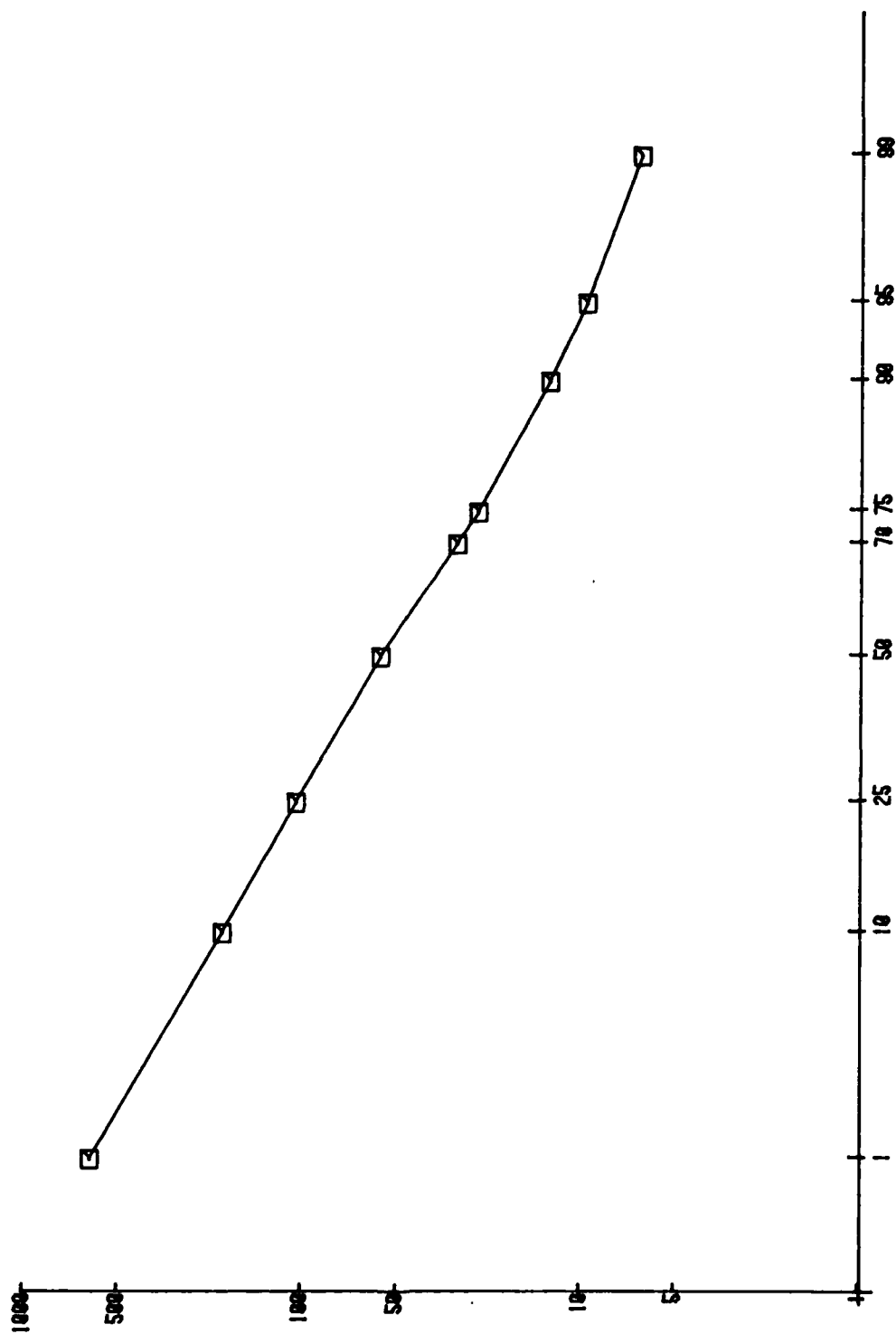
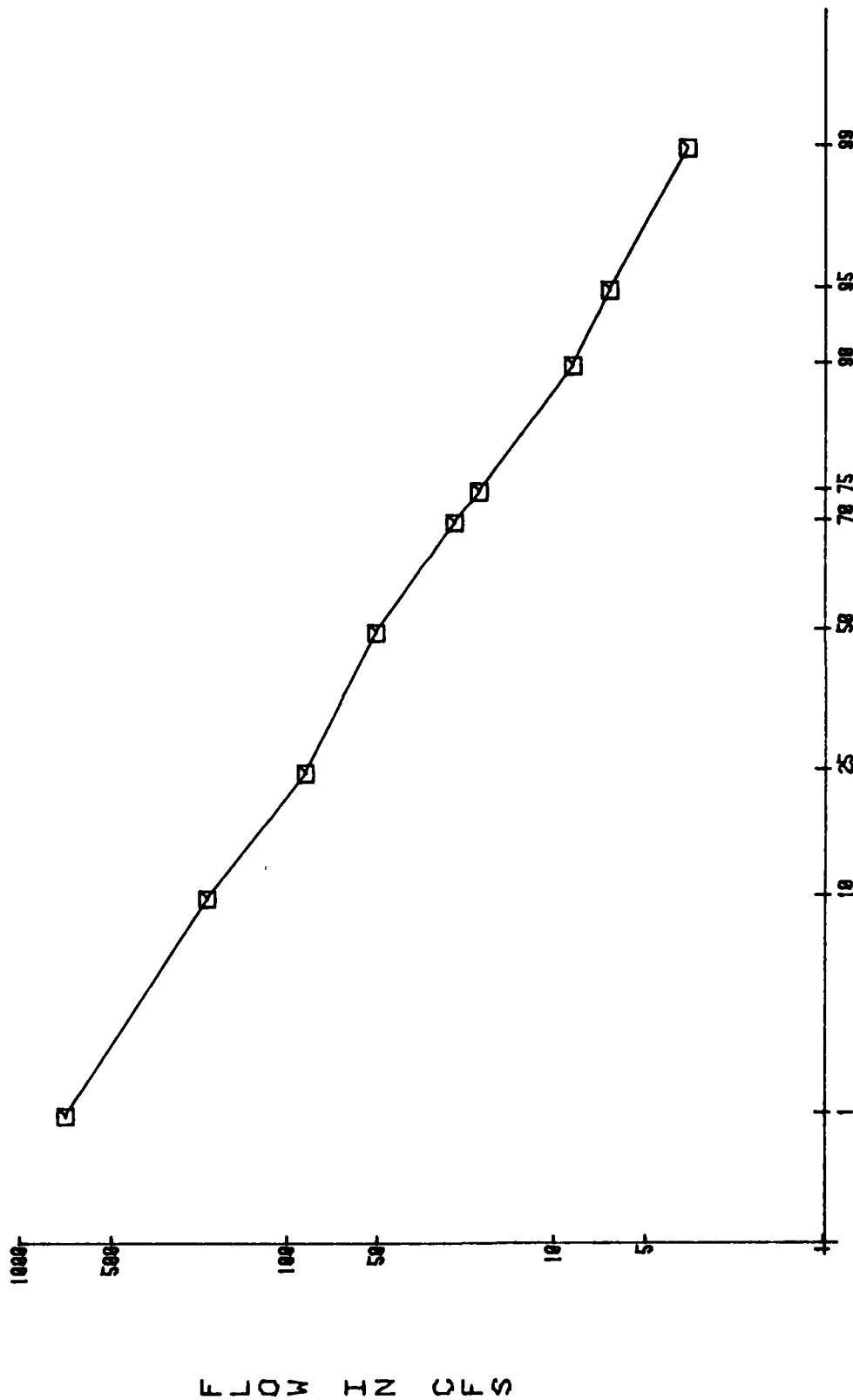


Figure A-6. Natural and Regulated Flow Duration Curves for 01428500, Delaware River near Barryville, N.Y.



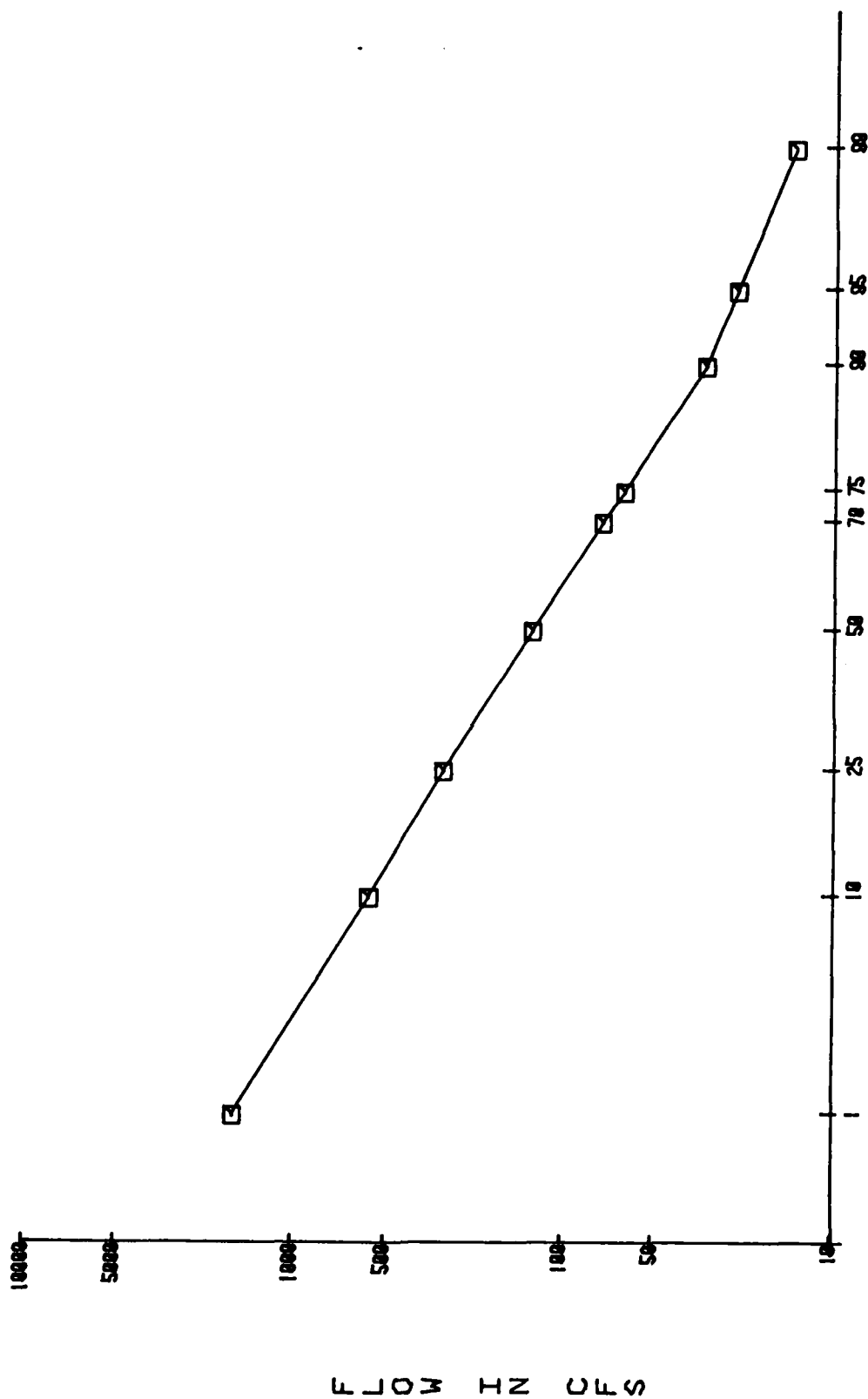
PERCENT TIME EQUALED OR EXCEEDED

Figure A-7. Natural Flow Duration Curve for
01429000, Lackawaxen River at Prompton, PA.



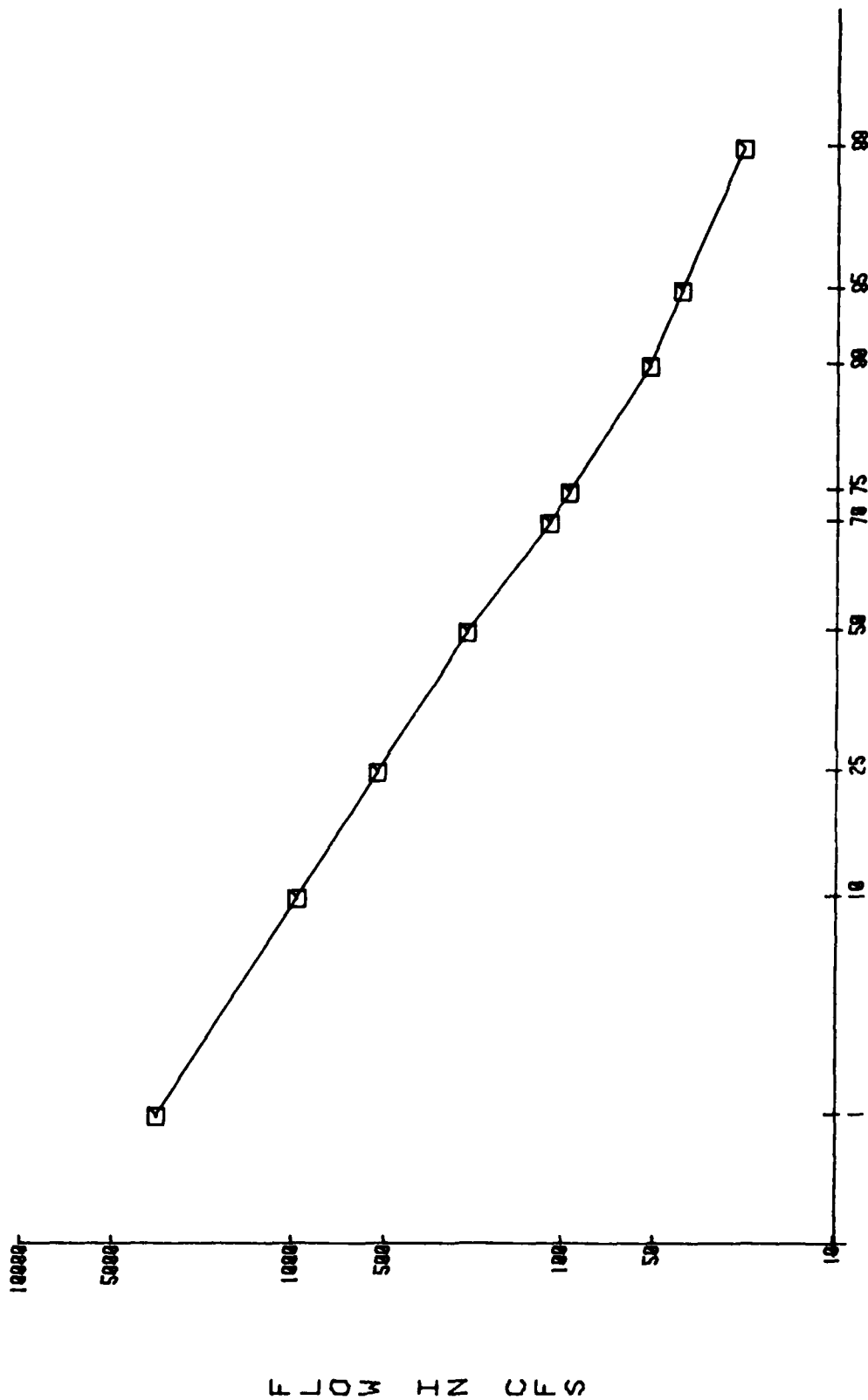
PERCENT TIME EQUALED OR EXCEEDED

Figure A-8. Natural Flow Duration Curve for
01429500, Dyberry Creek at Honesdale, PA.

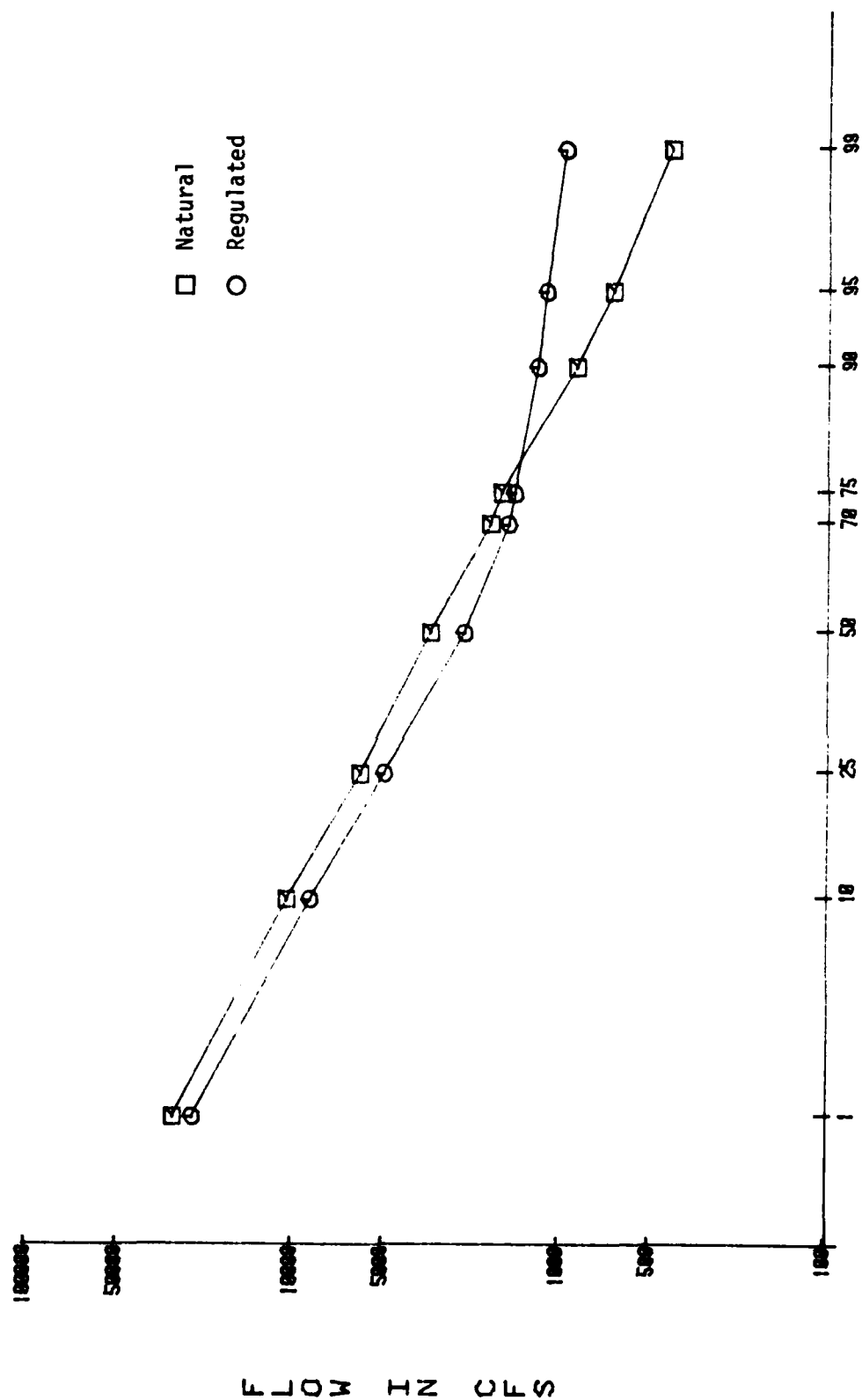


PERCENT TIME EQUALED OR EXCEEDED

Figure A-9. Natural Flow Duration Curve for
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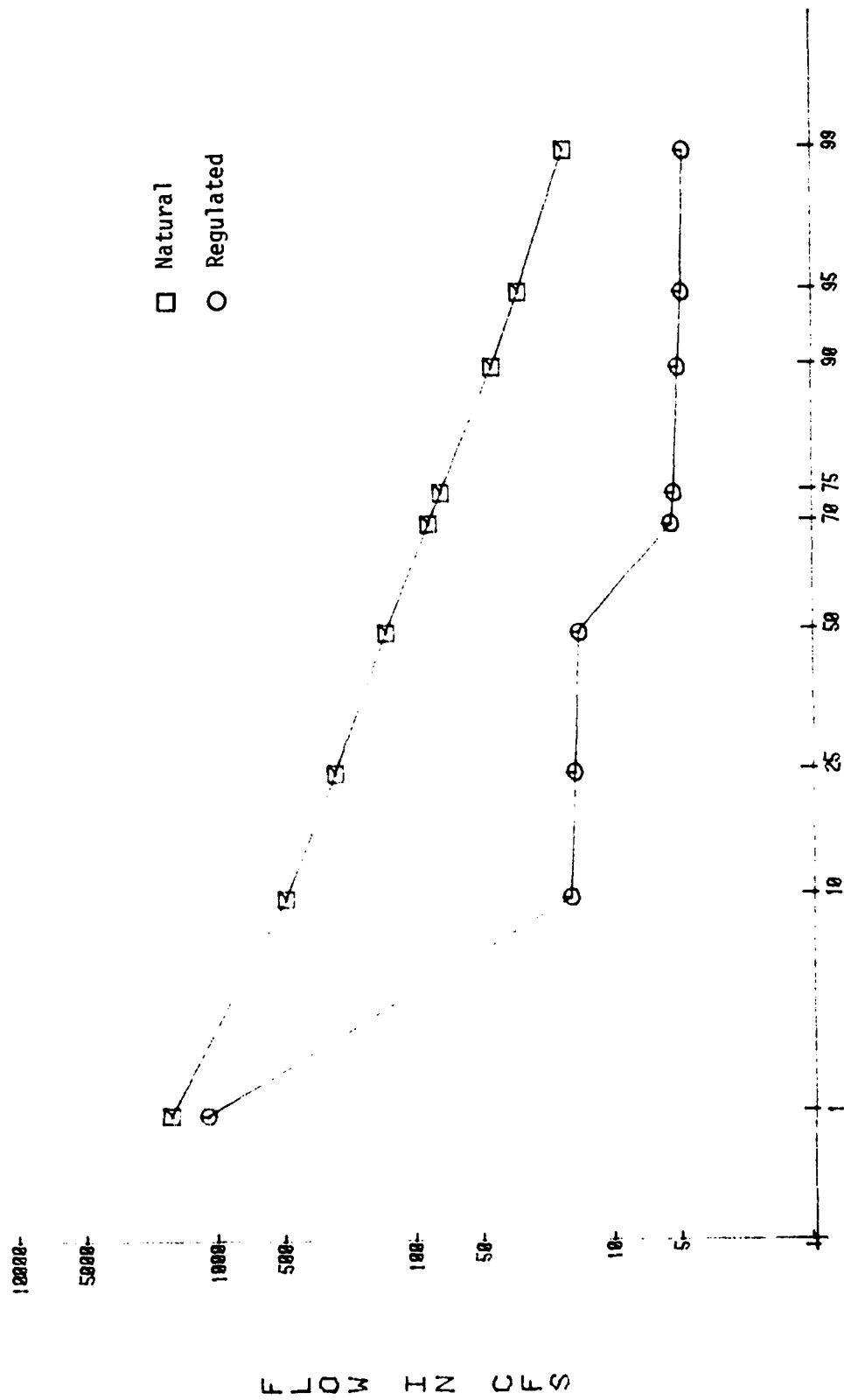


PERCENT TIME EQUALED OR EXCEEDED
 Figure A-1c Natural Flow Duration Curve for
 01431500, Lackawaxen River at Hawley, PA.



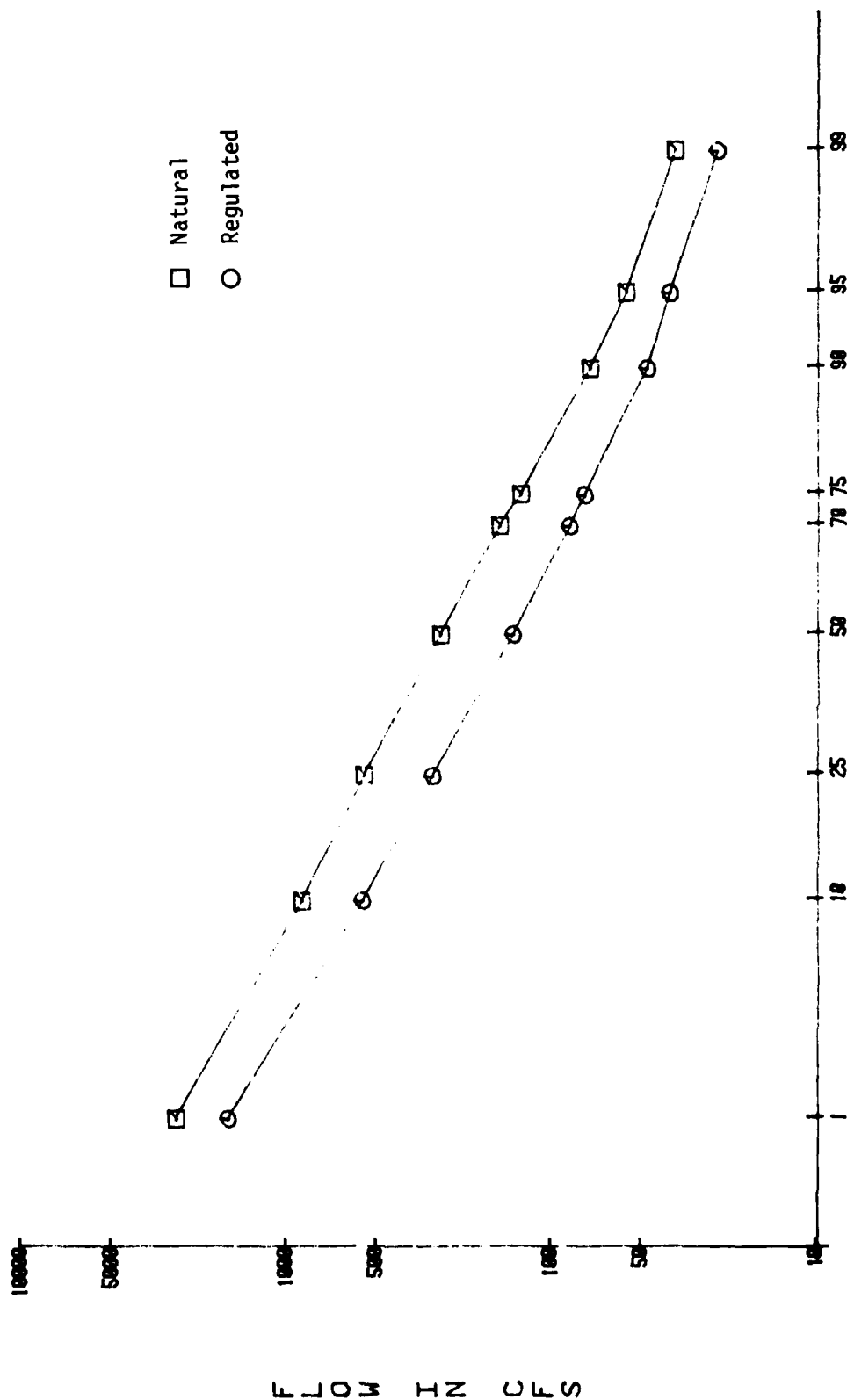
PERCENT TIME EQUALED OR EXCEEDED

Figure A-11 Natural and Regulated Flow Duration Curves for
01434000, Delaware River at Port Jervis, N.Y.



PERCENT TIME EQUALED OR EXCEEDED

Figure A-12. Natural and Regulated Flow Duration Curves for 01436000, Neversink River at Neversink, N.Y.



PERCENT TIME EQUALED OR EXCEEDED

Figure A-13. Natural and Regulated Flow Duration Curves for 01437000, Neversink River at Oakland, N.Y.

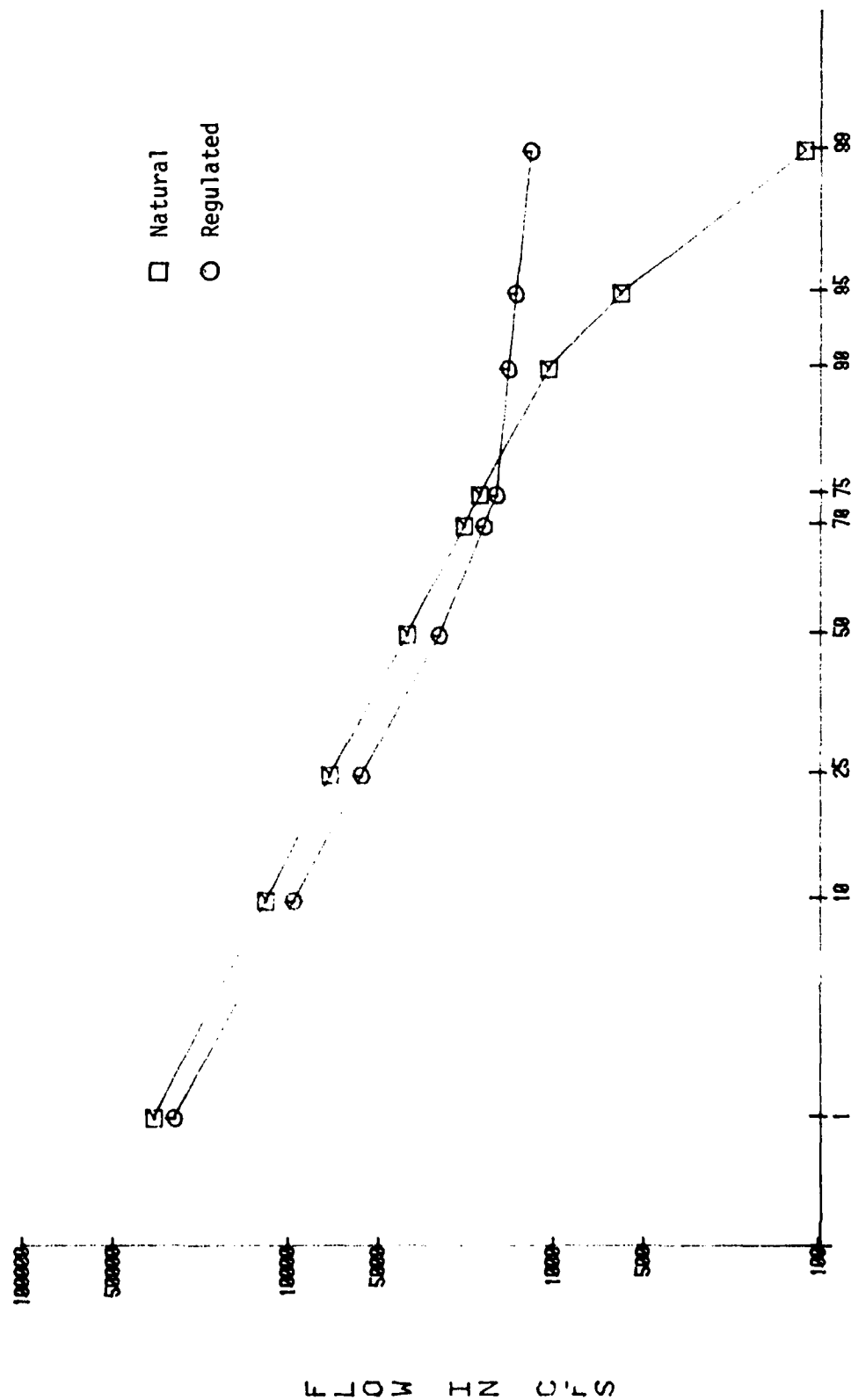
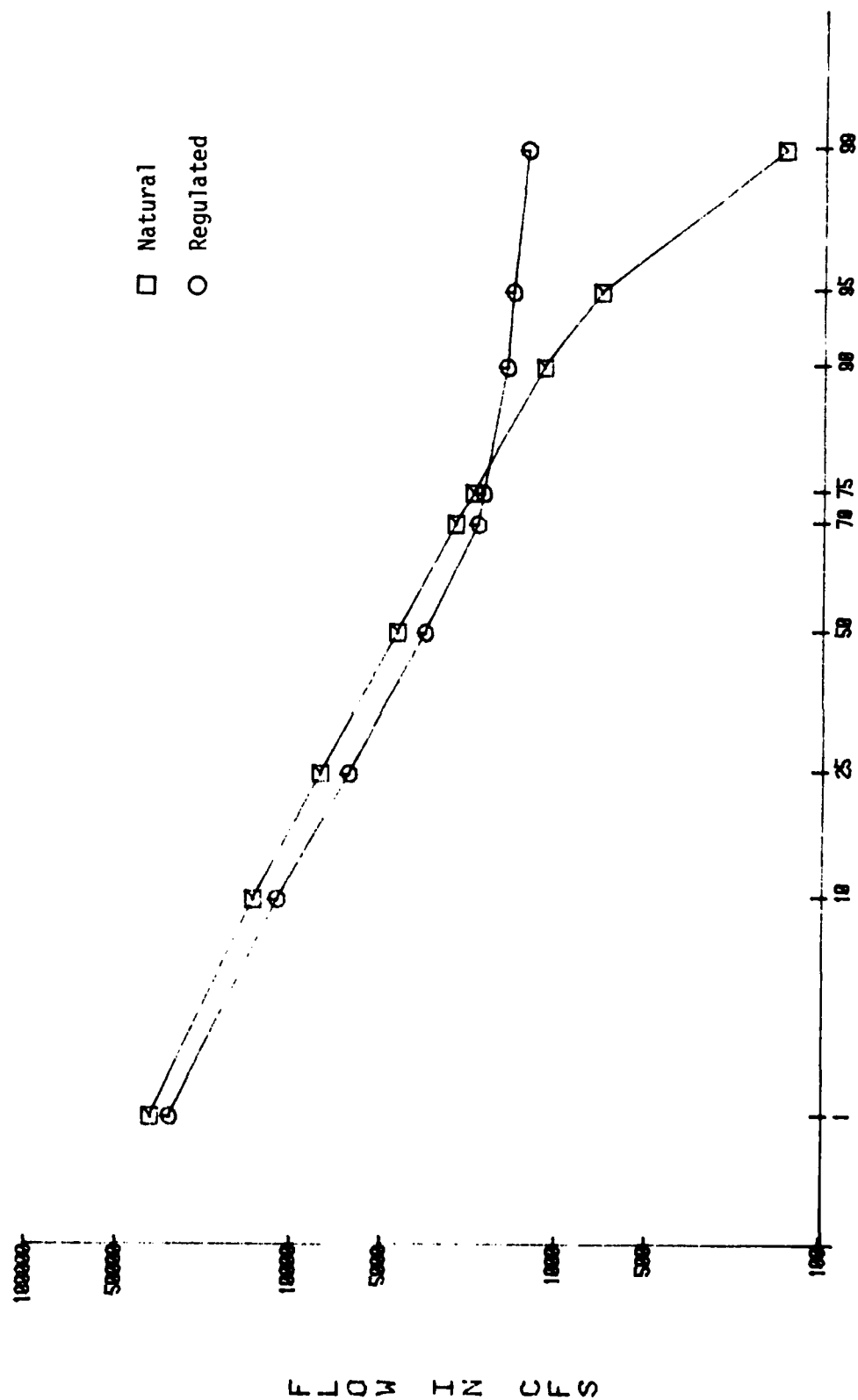
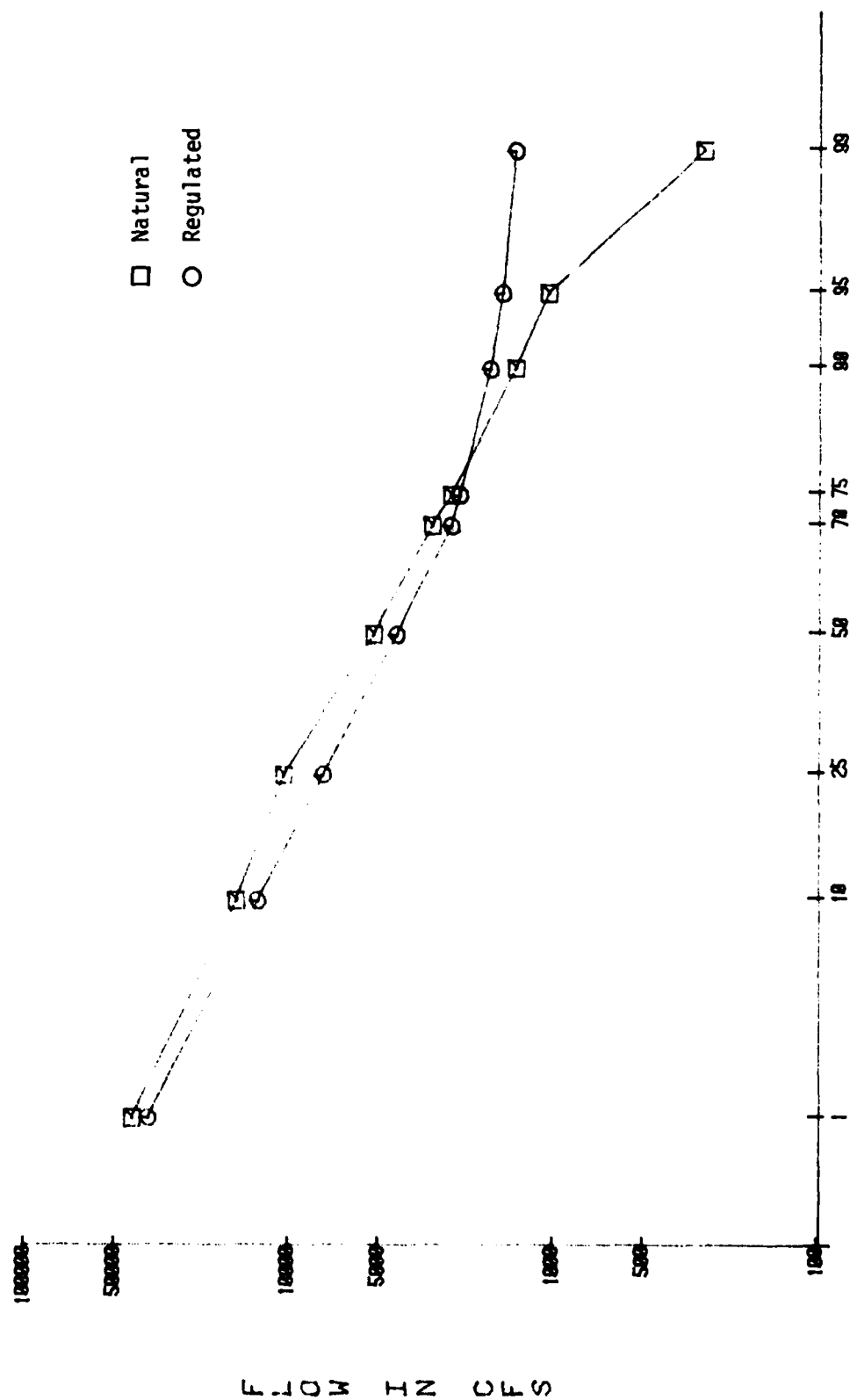


Figure A-14. Natural and Regulated Flow Duration Curves for
01438500, Delaware River at Montague, N.J.



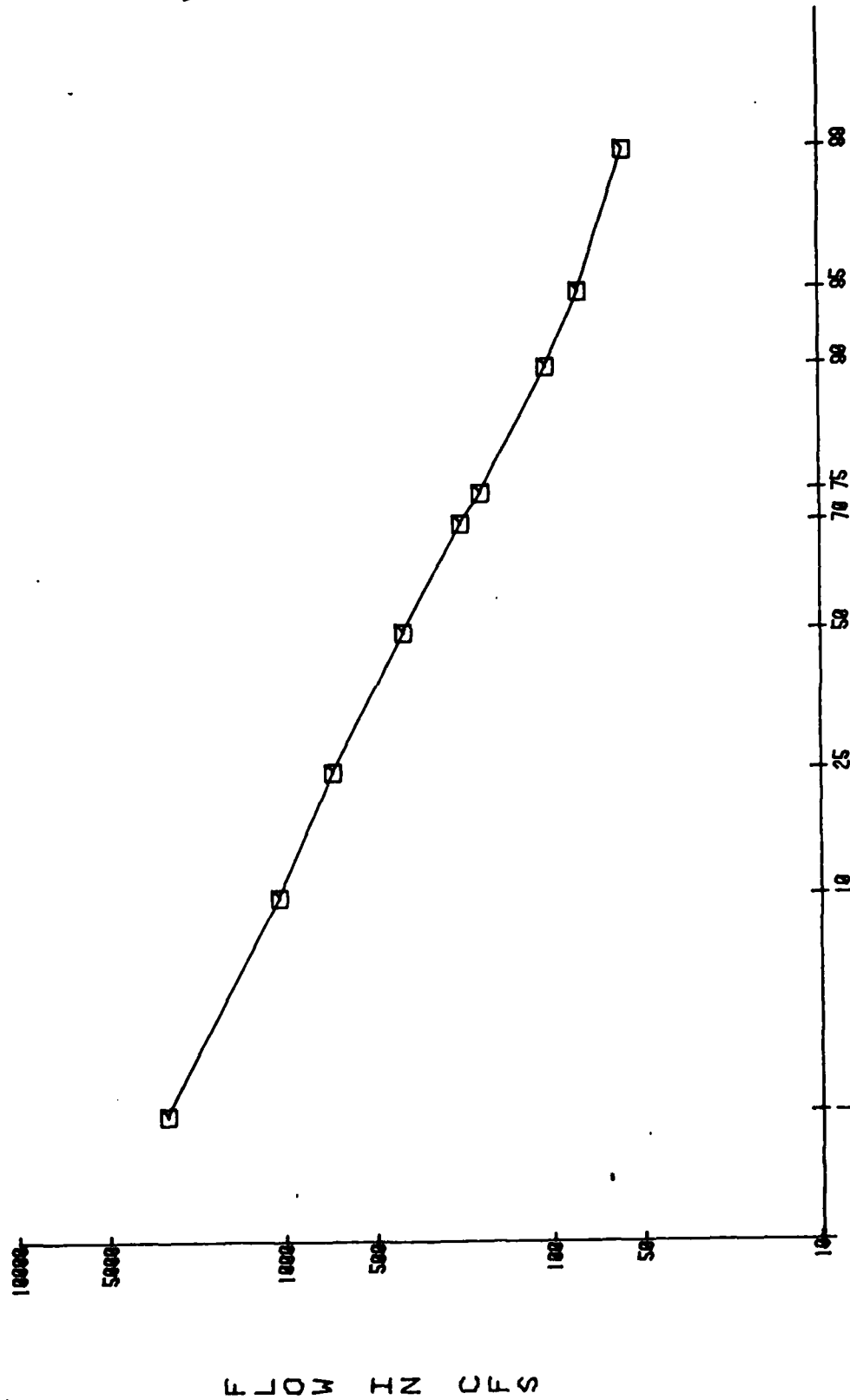
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Figure A-15. Natural and Regulated Flow Duration Curves for
01440200, Delaware River Below Tocks Island Damsite, PA.



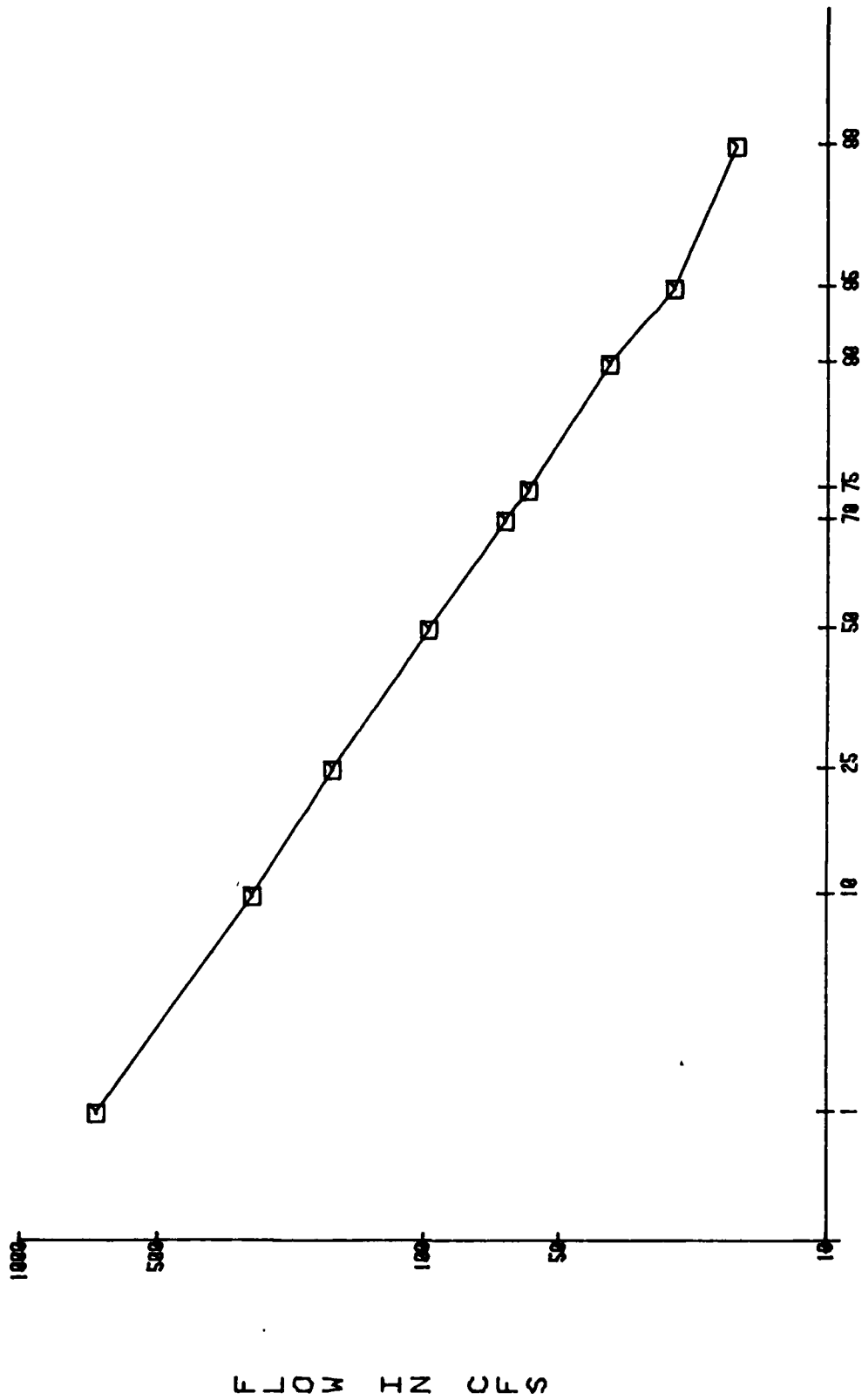
PERCENT TIME EQUALED OR EXCEEDED

Figure A-16. Natural and Regulated Flow Duration Curves for
01446500, Delaware River at Belvidere, N.J.



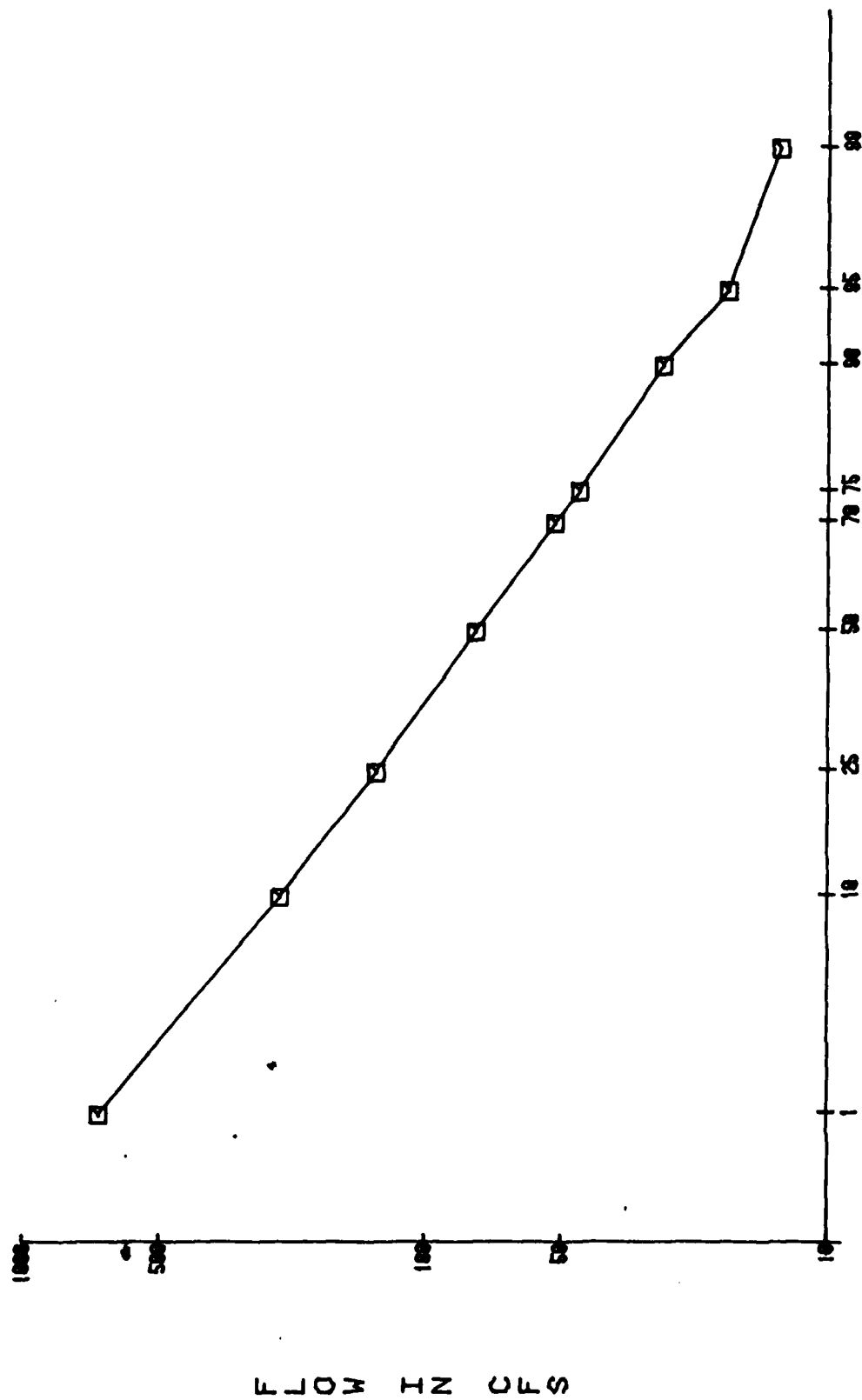
PERCENT TIME EQUALED OR EXCEEDED

Figure A-17. Natural Flow Duration Curve for
01447800, Lehigh River at White Haven, PA.



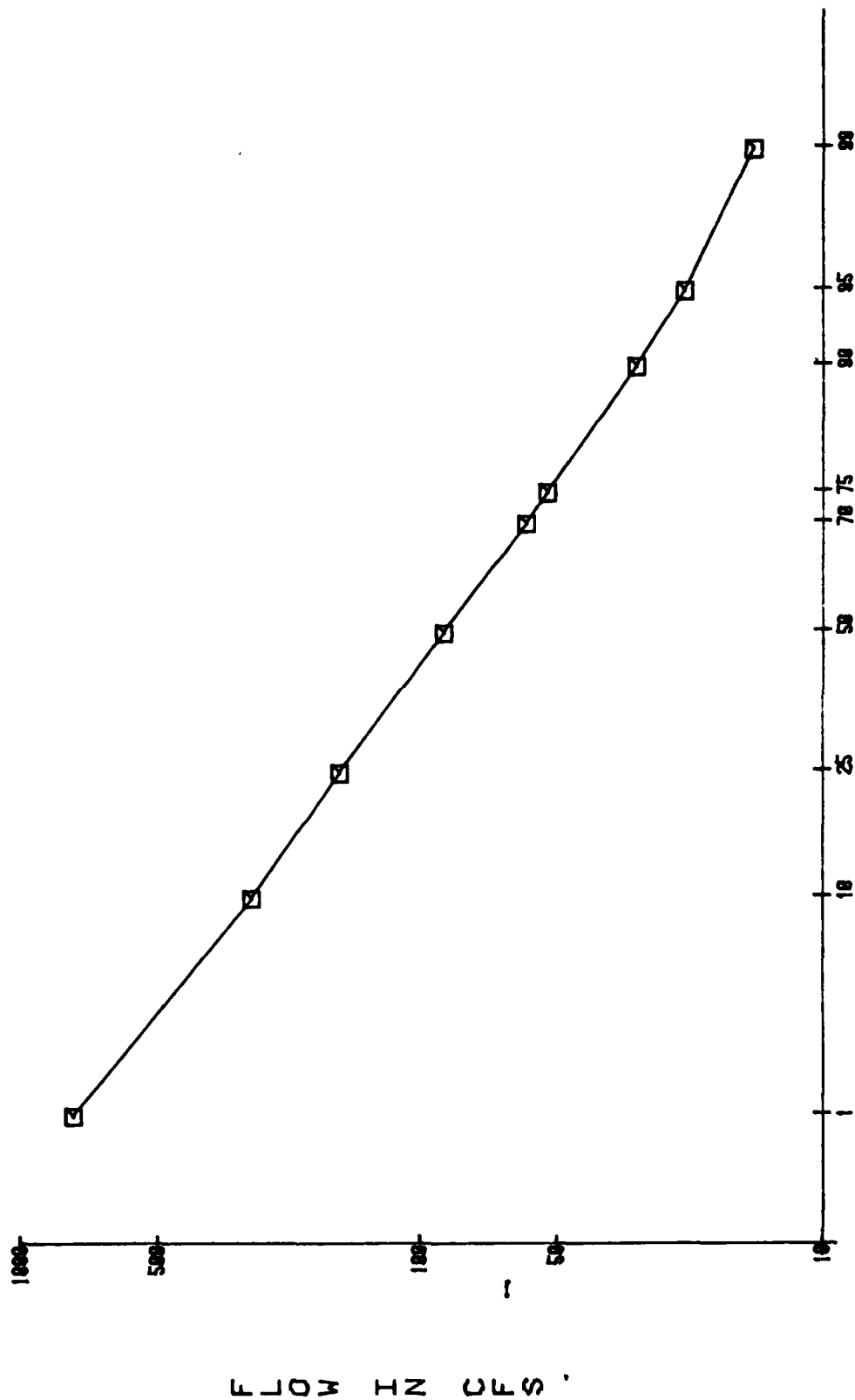
PERCENT TIME EQUALED OR EXCEEDED

Figure A-18. Natural Flow Duration Curve for
01449800, Pohopoco Creek at Beltzville Dam site, PA.



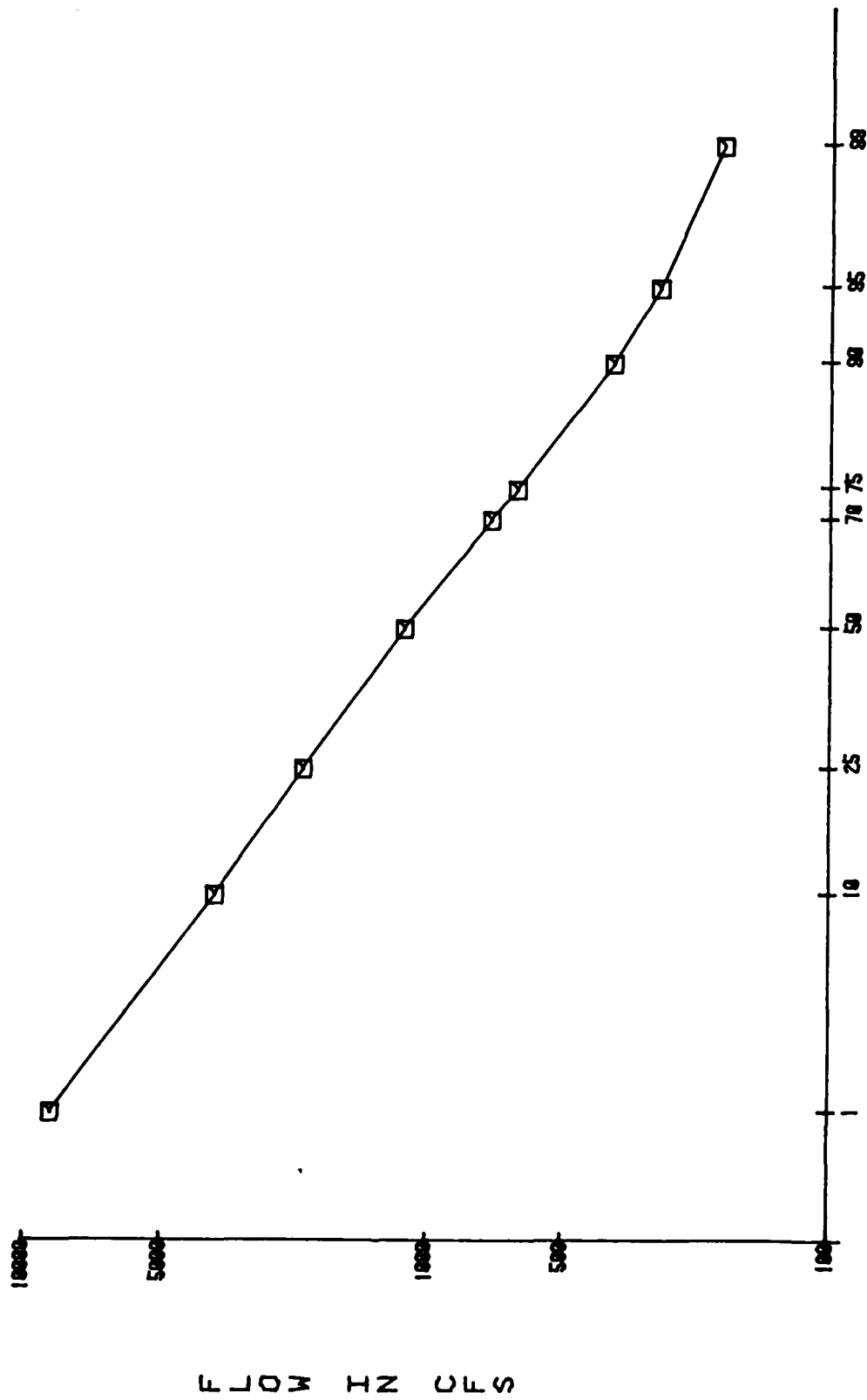
PERCENT TIME EQUALED OR EXCEEDED

Figure A-19. Natural Flow Duration Curve for
Aquashicola Creek at Aquashicola Dam site, PA.

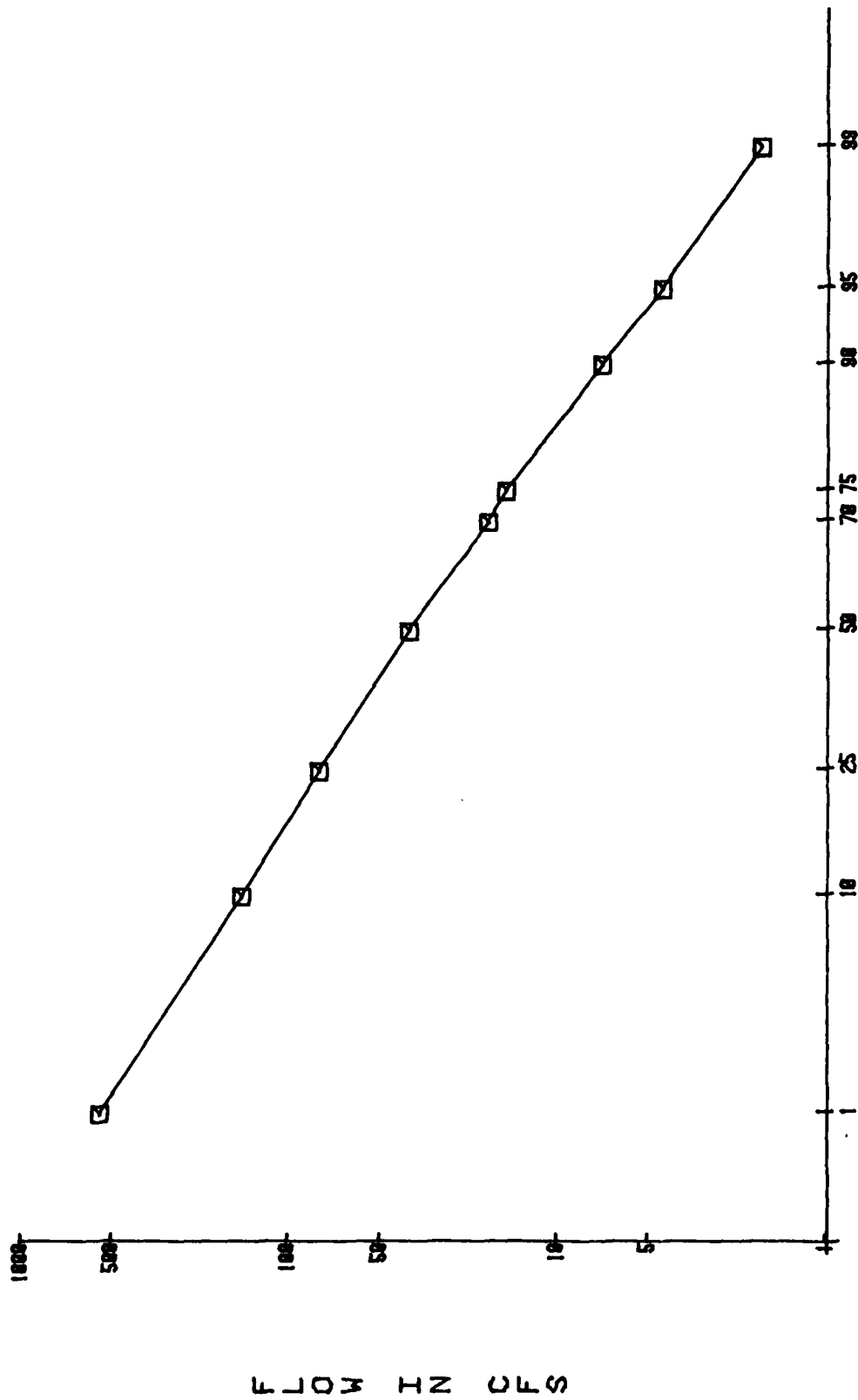


PERCENT TIME EQUALED OR EXCEEDED

Figure A-20. Natural Flow Duration Curve for
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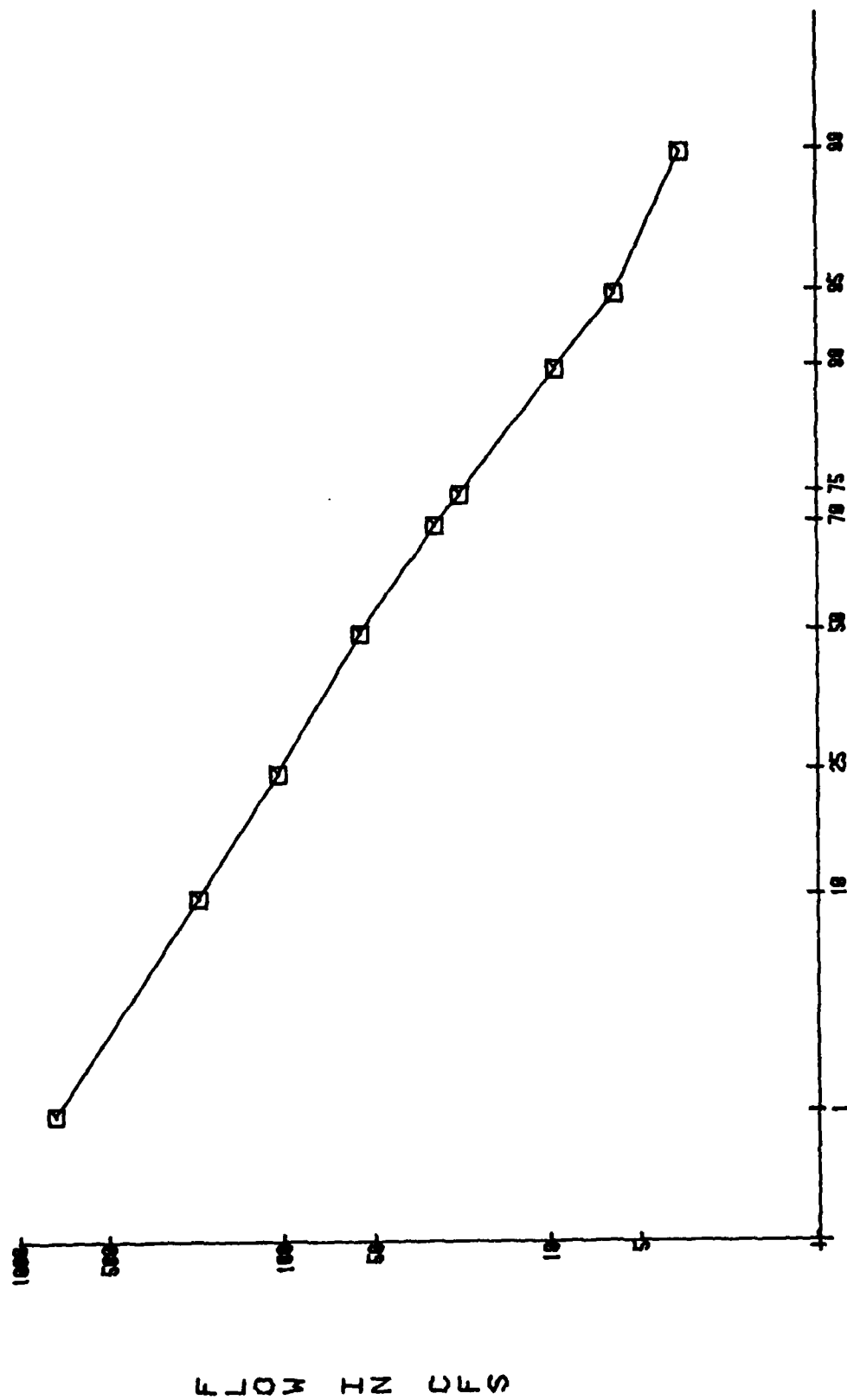


PERCENT TIME EQUALED OR EXCEEDED
 Figure A-21. Natural Flow Duration Curve for
 01451000, Lehigh River at Walnutport, PA.



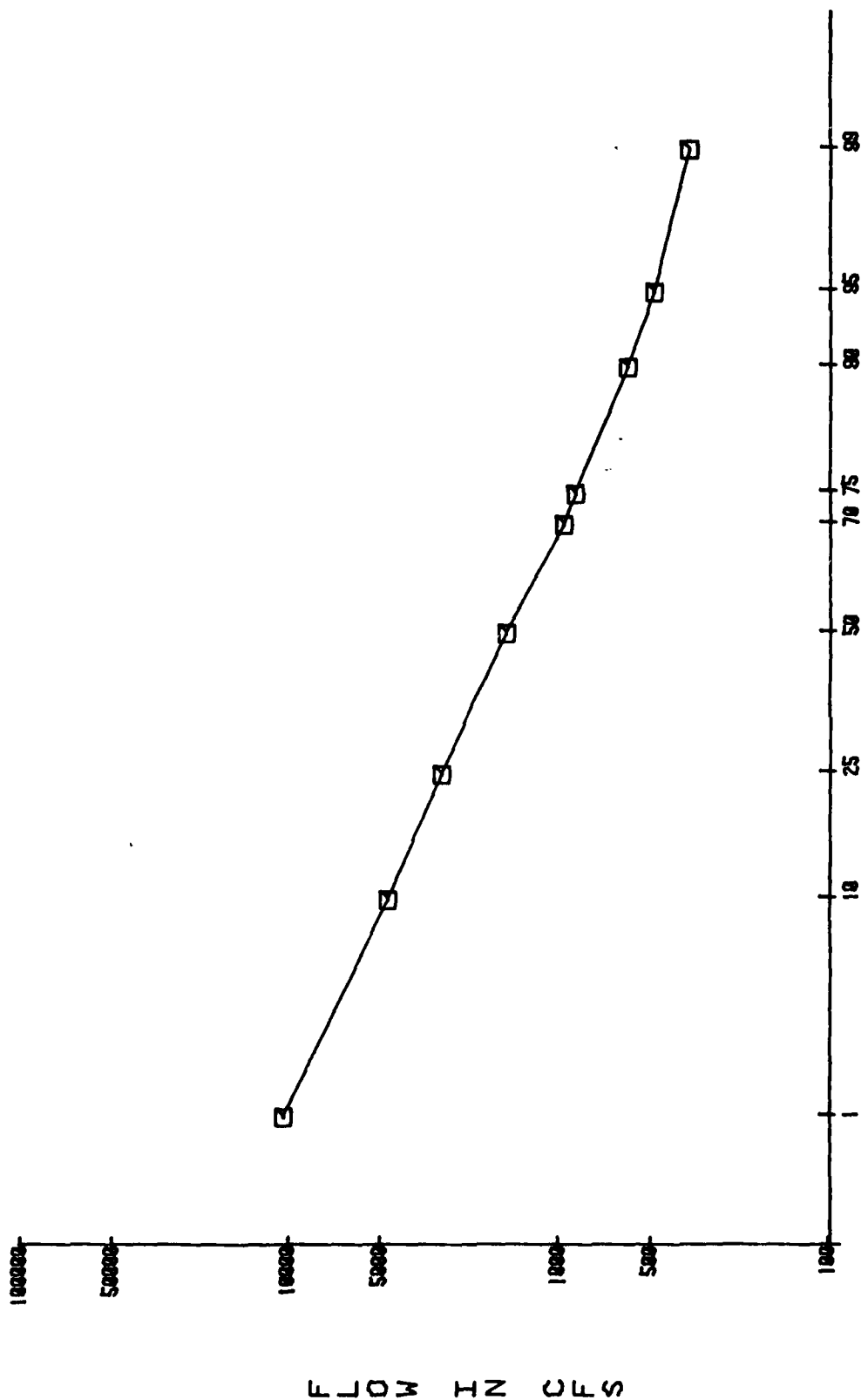
PERCENT TIME EQUALED OR EXCEEDED

Figure A-22. Natural Flow Duration Curve for
01451800, Jordan Creek near Schnecksville, PA.

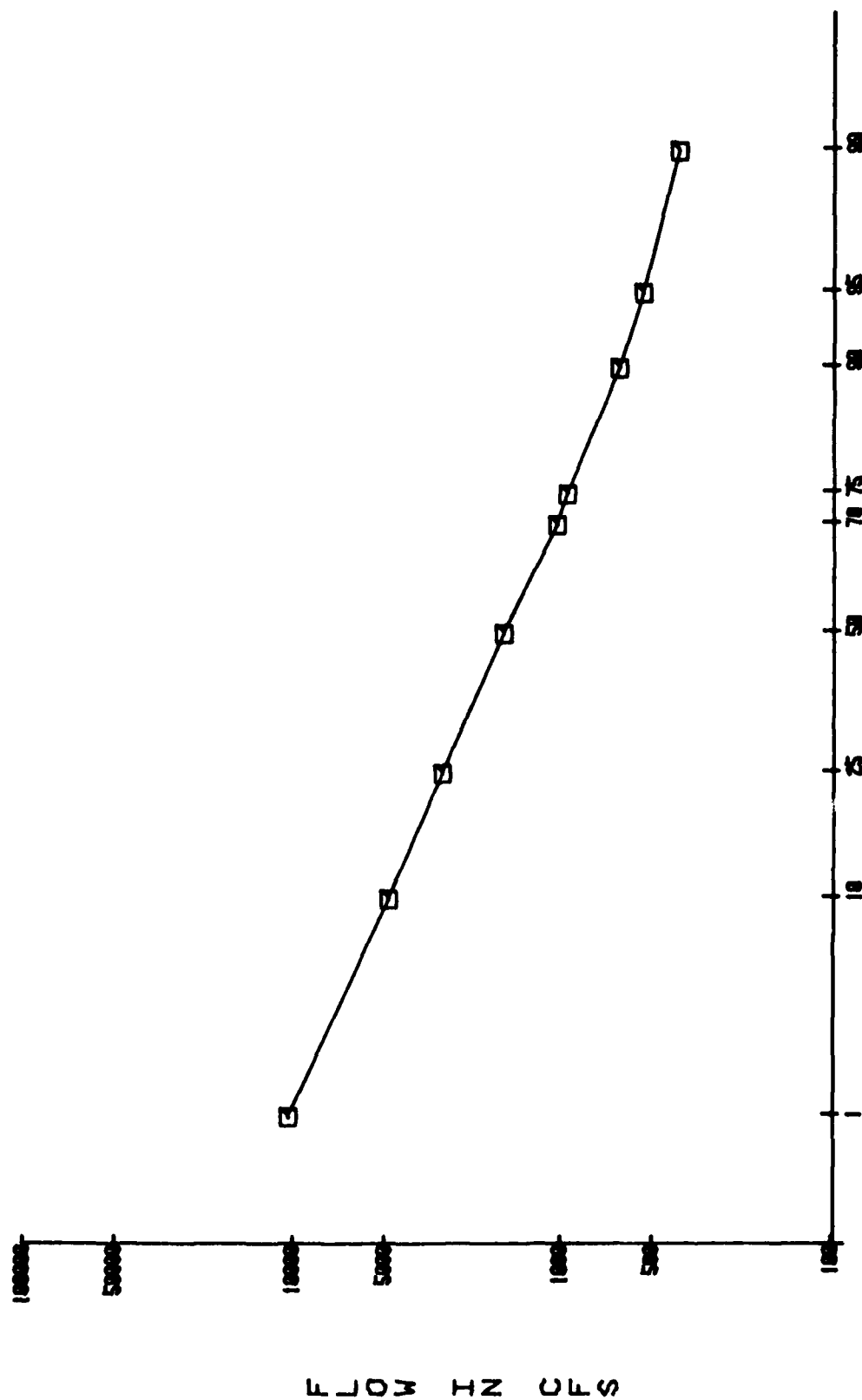


PERCENT TIME EQUALED OR EXCEEDED

Figure A-23. Natural Flow Duration Curve for
01451200, Jordan Creek at Allentown, PA.

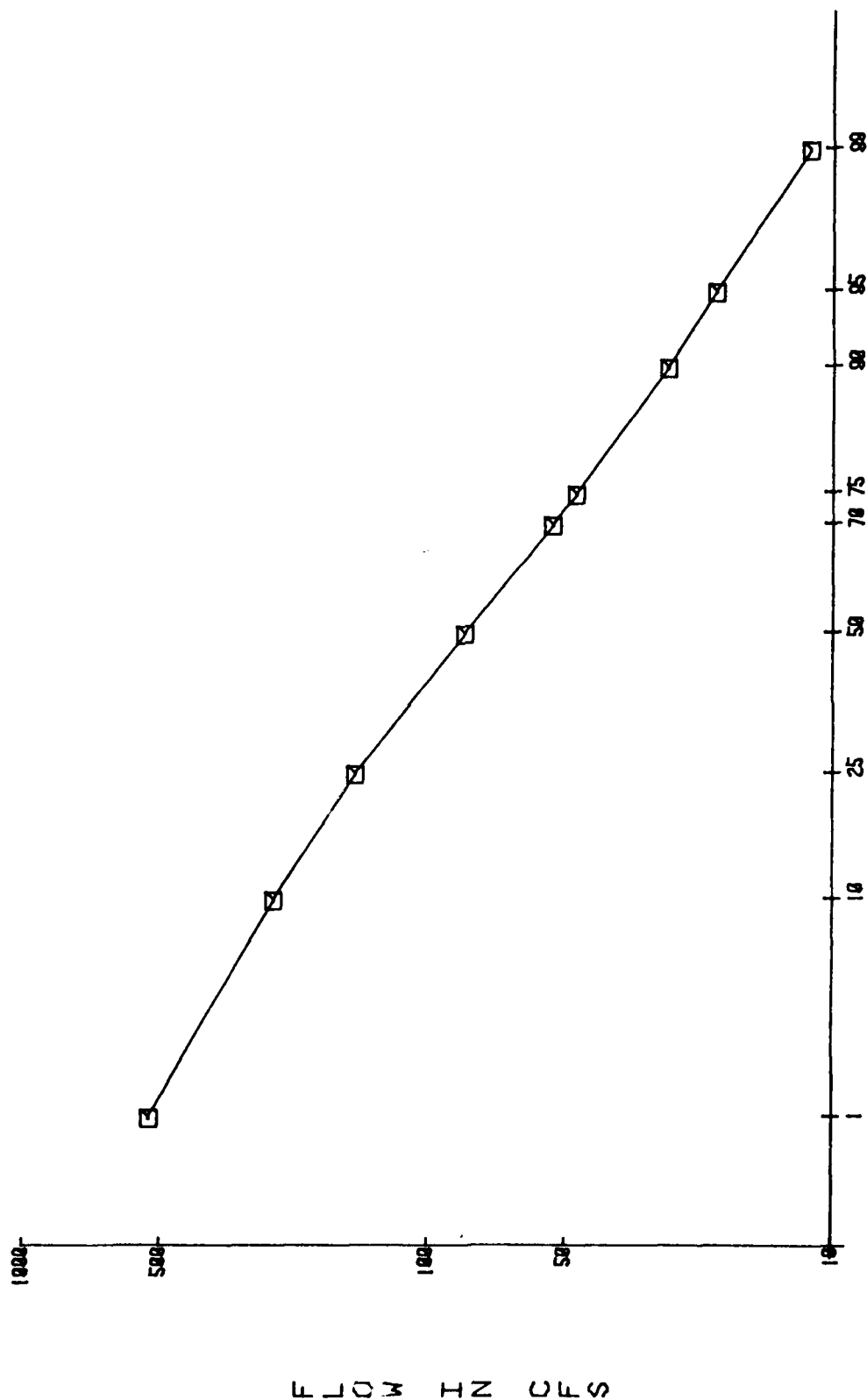


PERCENT TIME EQUALED OR EXCEEDED
 Figure A-24. Natural Flow Duration Curve for
 01453000, Lehigh River at Bethlehem, PA.

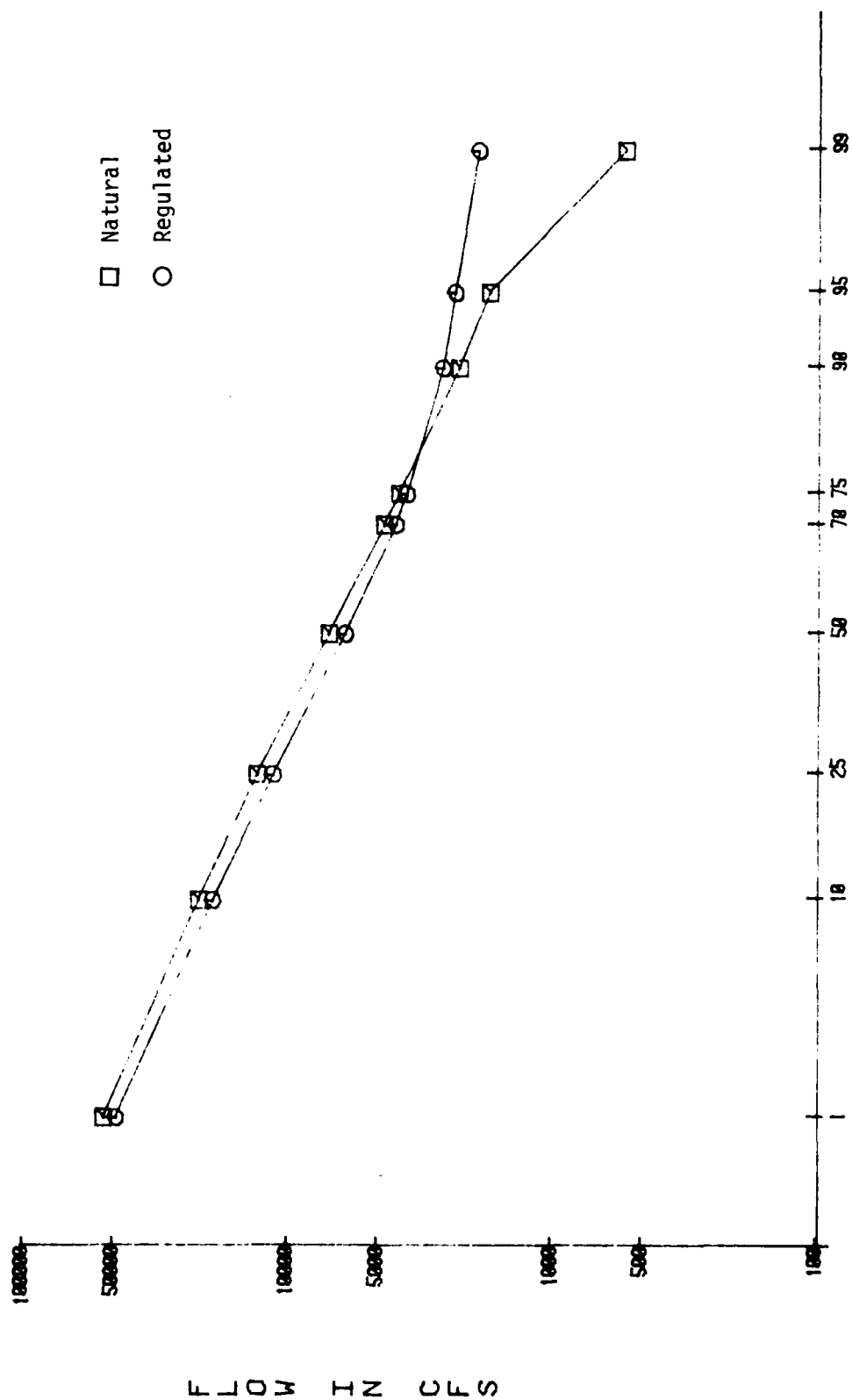


PERCENT TIME EQUALED OR EXCEEDED

Figure A-25. Natural Flow Duration Curve for
01454700, Lehigh River at Glendon, PA.

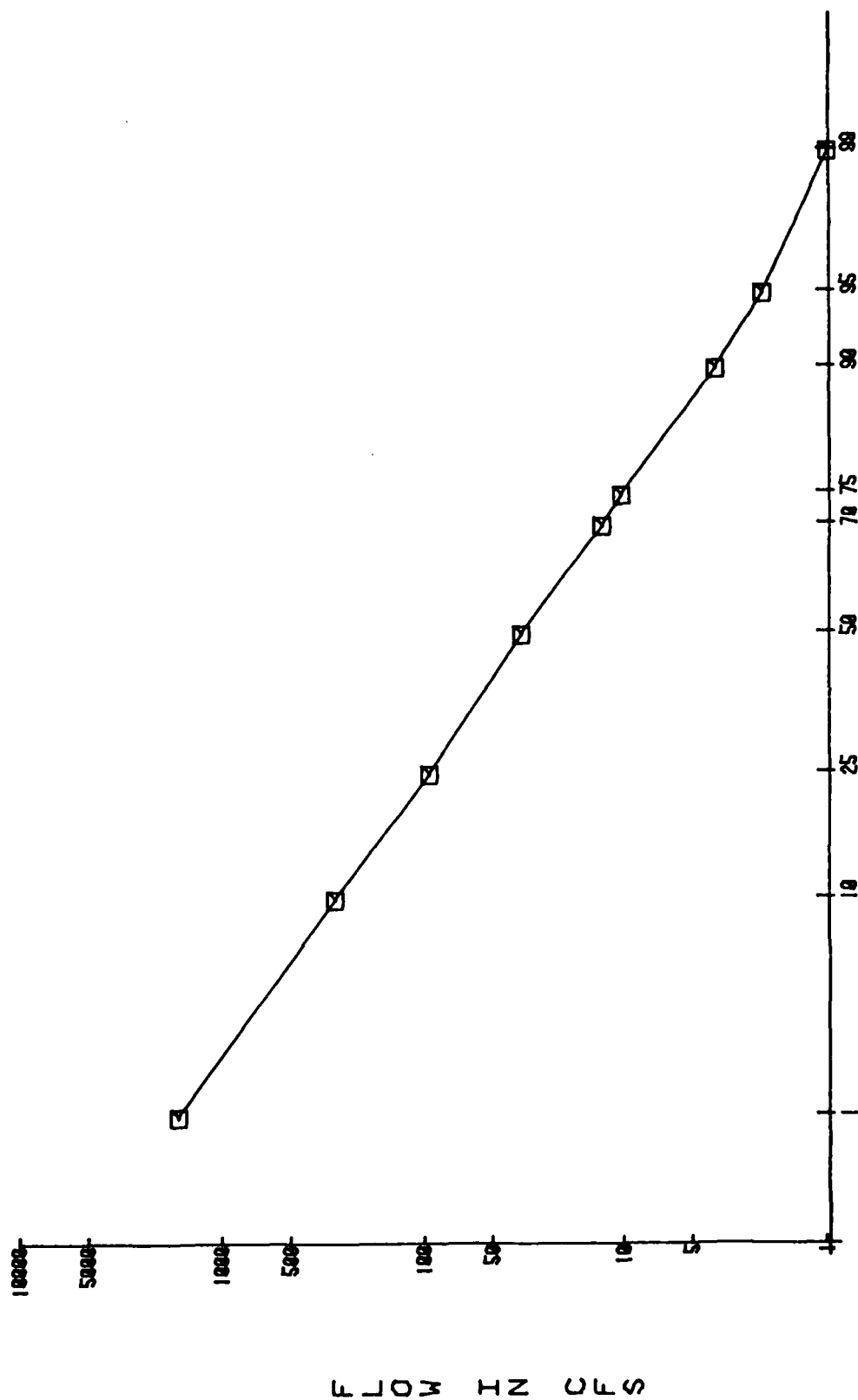


PERCENT TIME EQUALED OR EXCEEDED
Figure A-26. Natural Flow Duration Curve for
01456000, Musconetcong River near
Hackettstown, N.J.



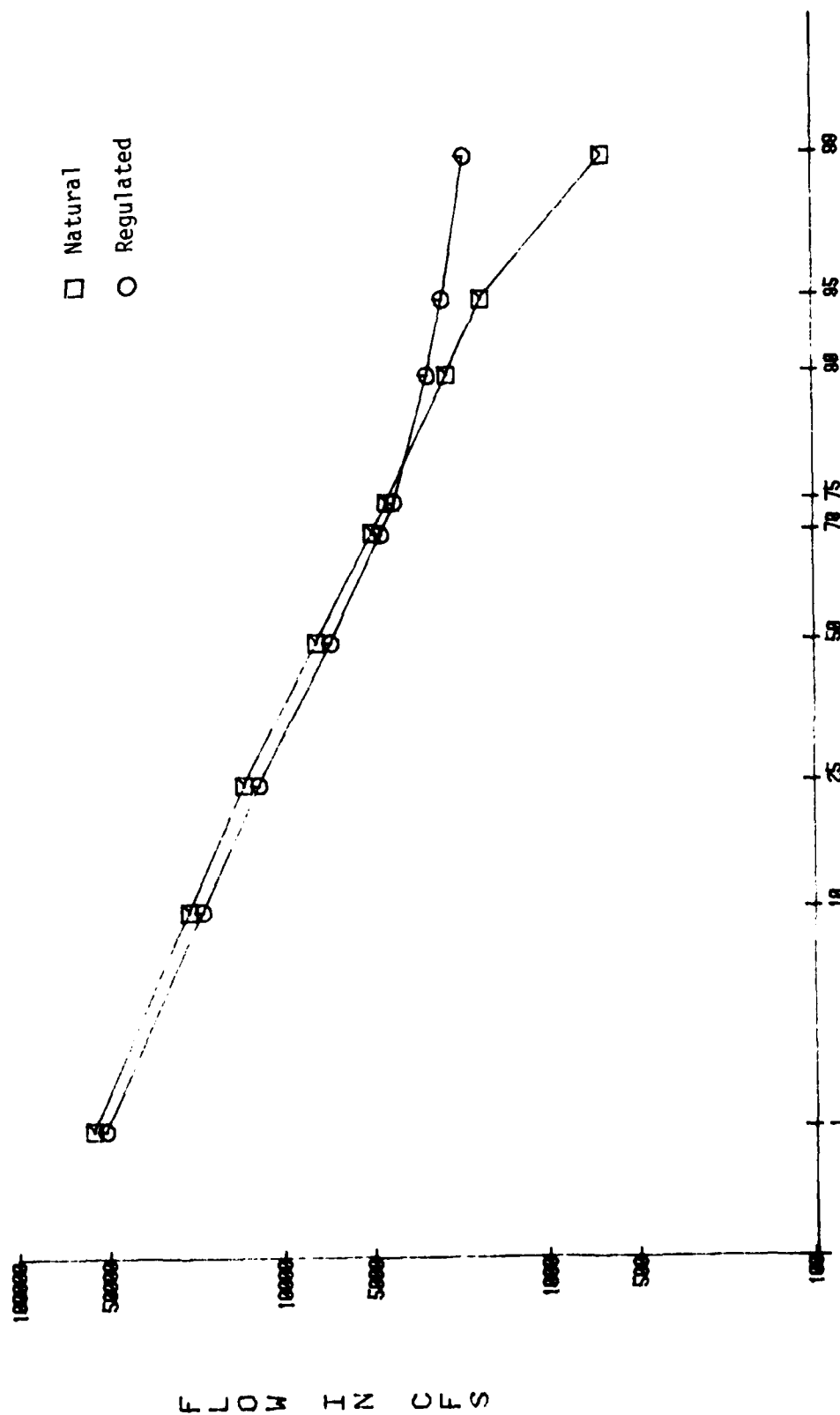
PERCENT TIME EQUALED OR EXCEEDED

Figure A-27. Natural and Regulated Flow Duration Curves for
01457500, Delaware River at Riegelsville, N.J.



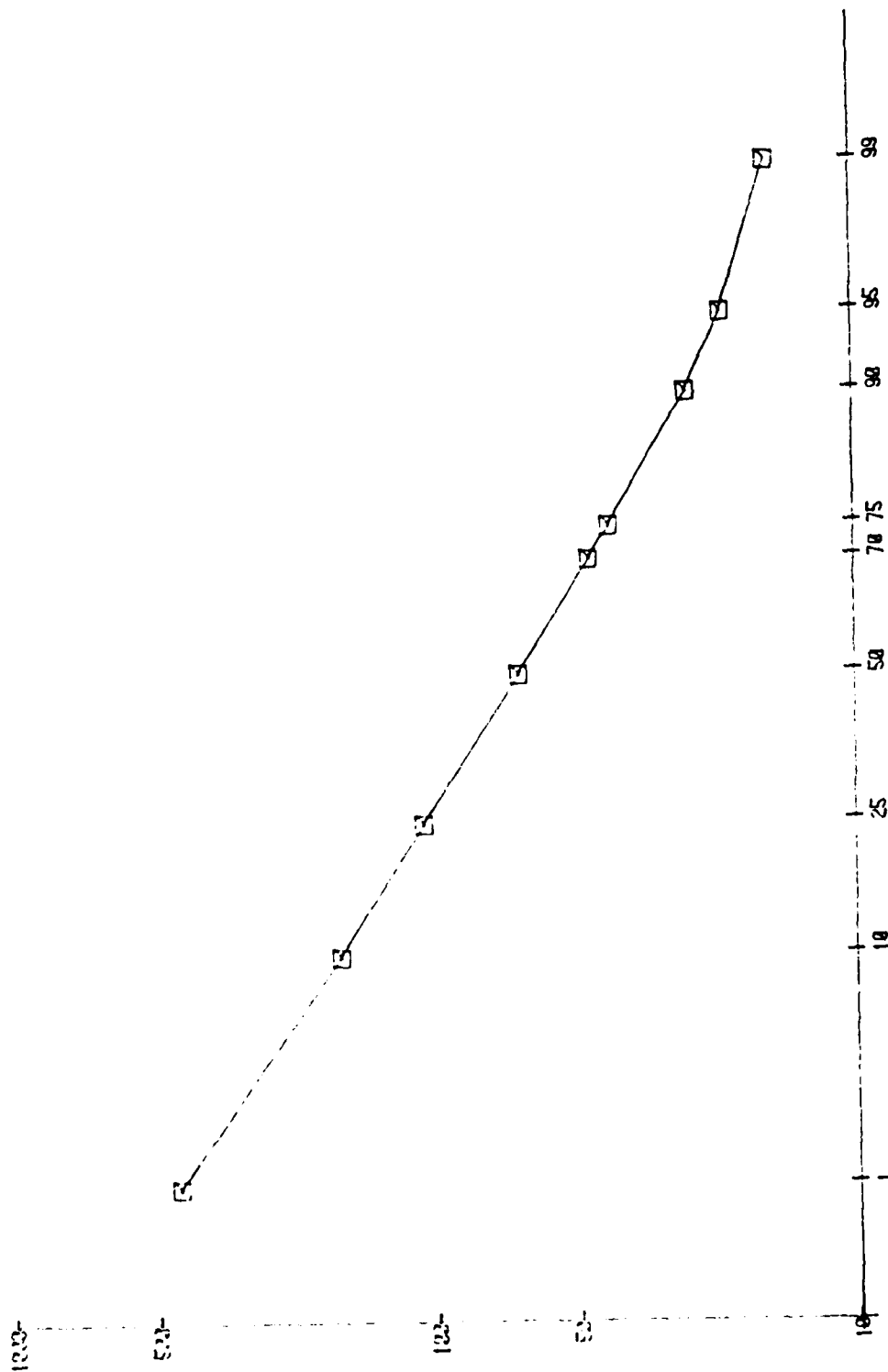
PERCENT TIME EQUALED OR EXCEEDED

Figure A-28. Natural Flow Duration Curve for
01459500, Tohickon Creek at Pipersville, PA.

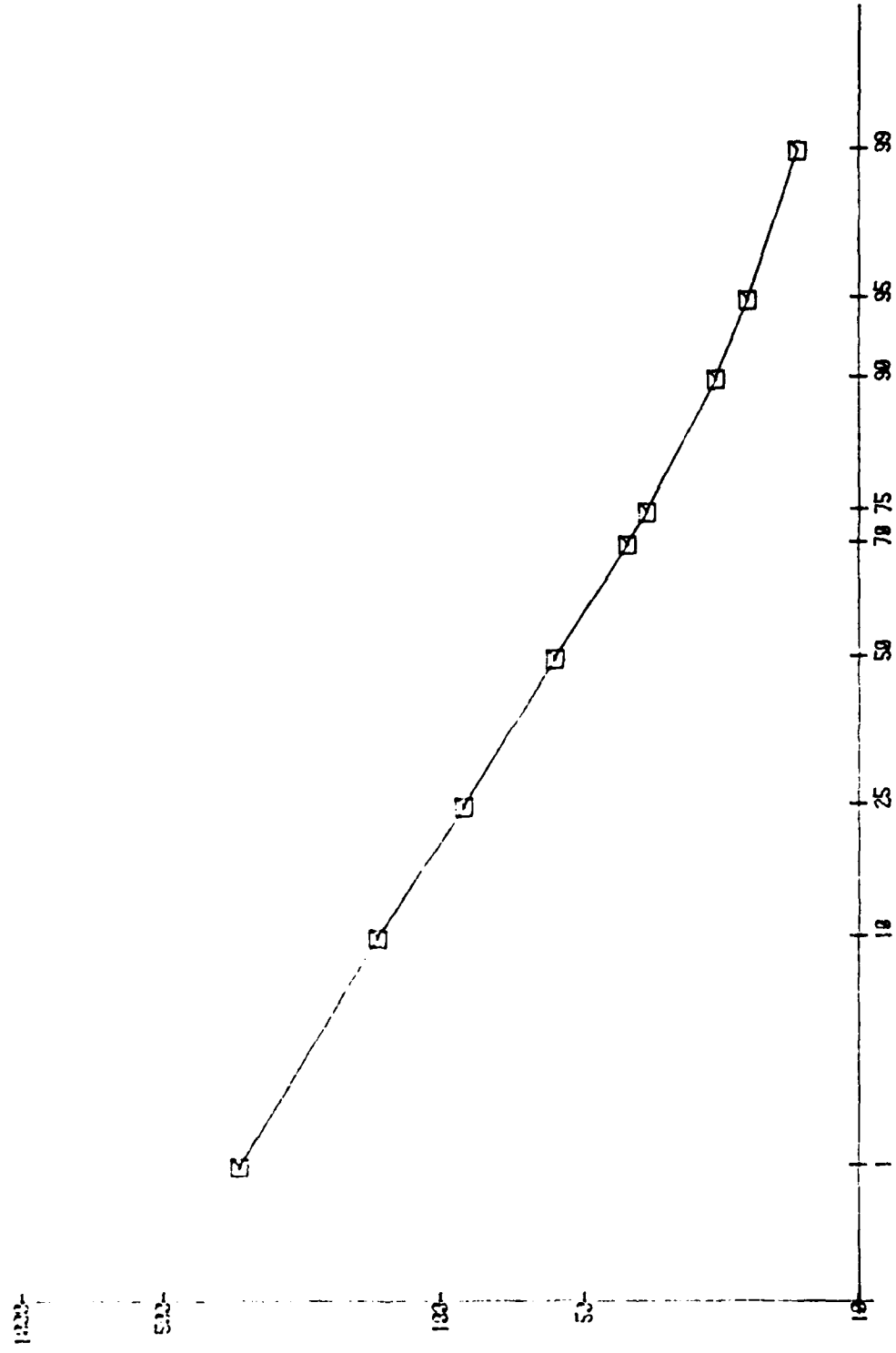


PERCENT TIME EQUALED OR EXCEEDED

Figure A-29. Natural and Regulated Flow Duration Curves for
01463500, Delaware River at Trenton, N.J.

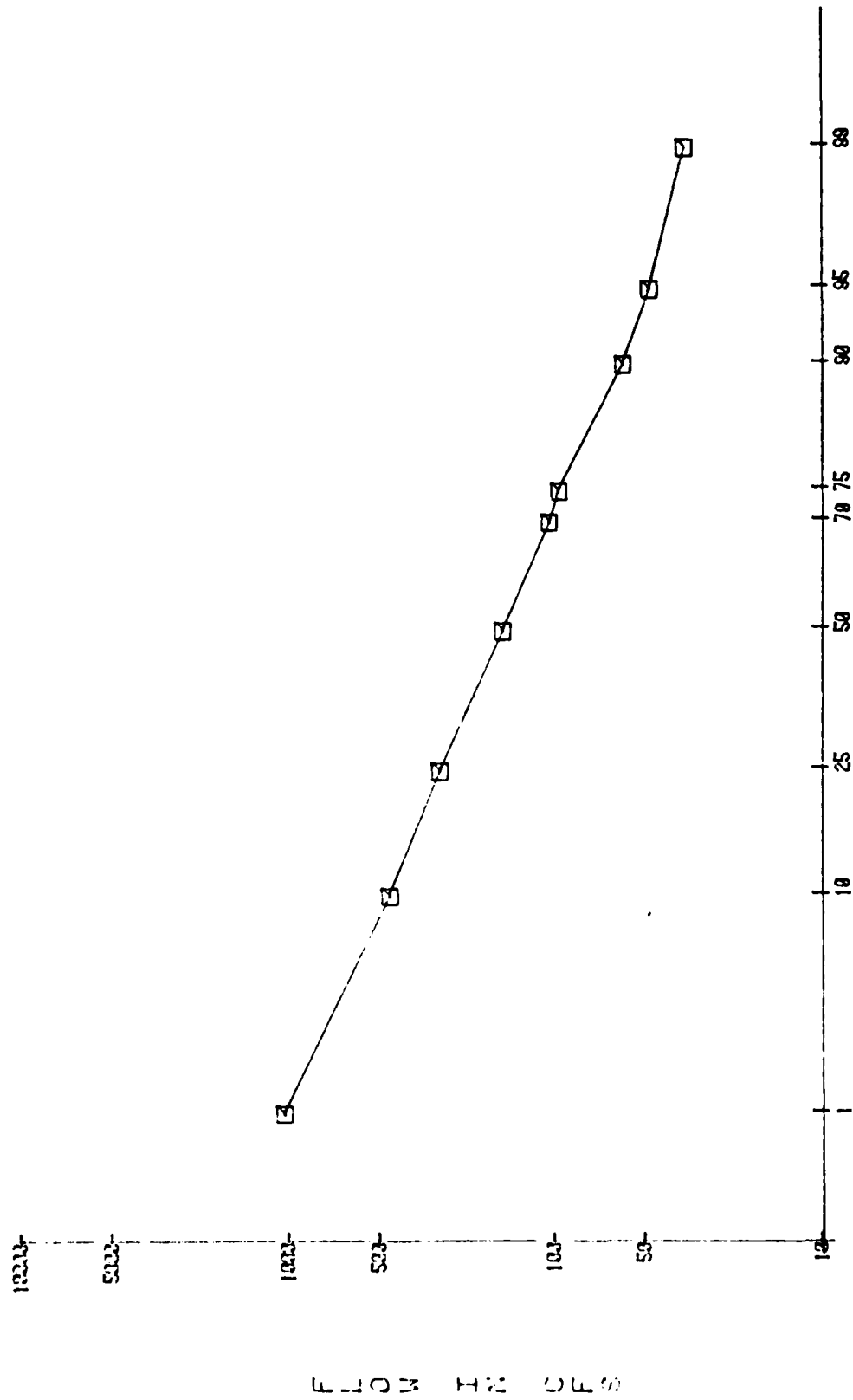


PERCENT TIME EQUALED OR EXCEEDED
 Figure A-30. Natural Flow Duration Curve for
 01467500, Schuylkill River at Pottsville, PA.



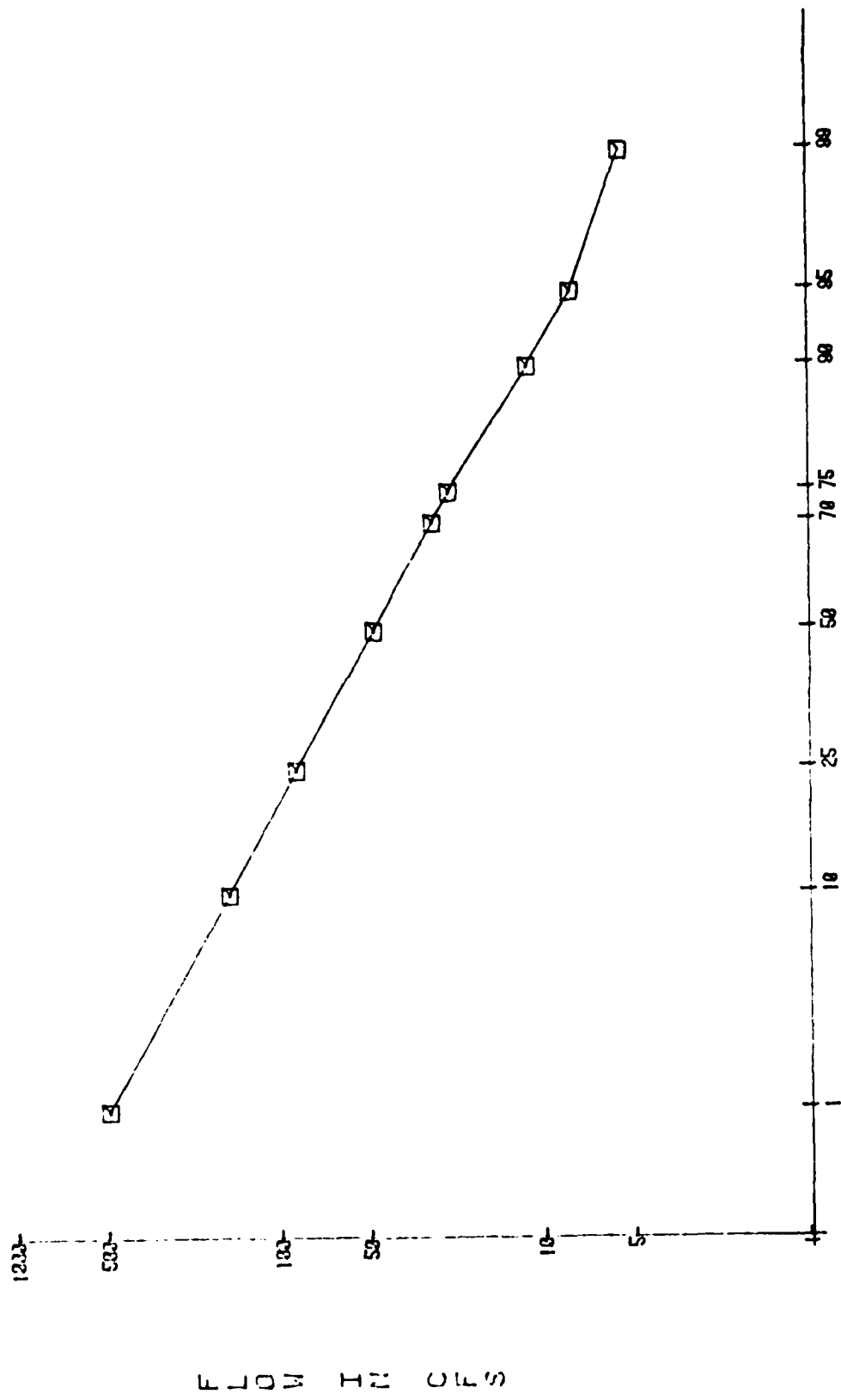
PERCENT TIME EQUALED OR EXCEEDED

Figure A-31. Natural Flow Duration Curve for
01467950, West Branch Schuylkill River
at Cressona, PA.

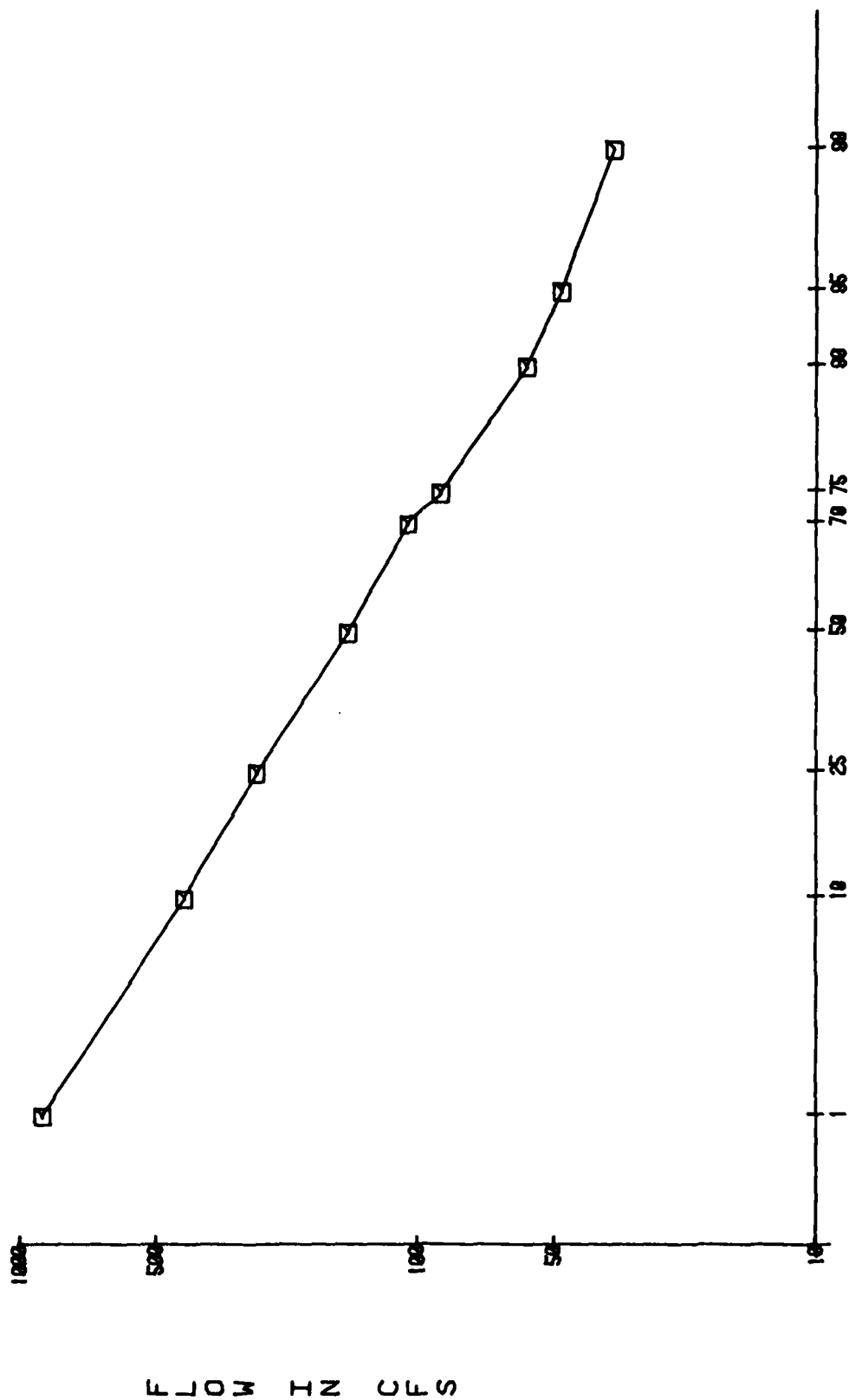


PERCENT TIME EQUALED OR EXCEEDED

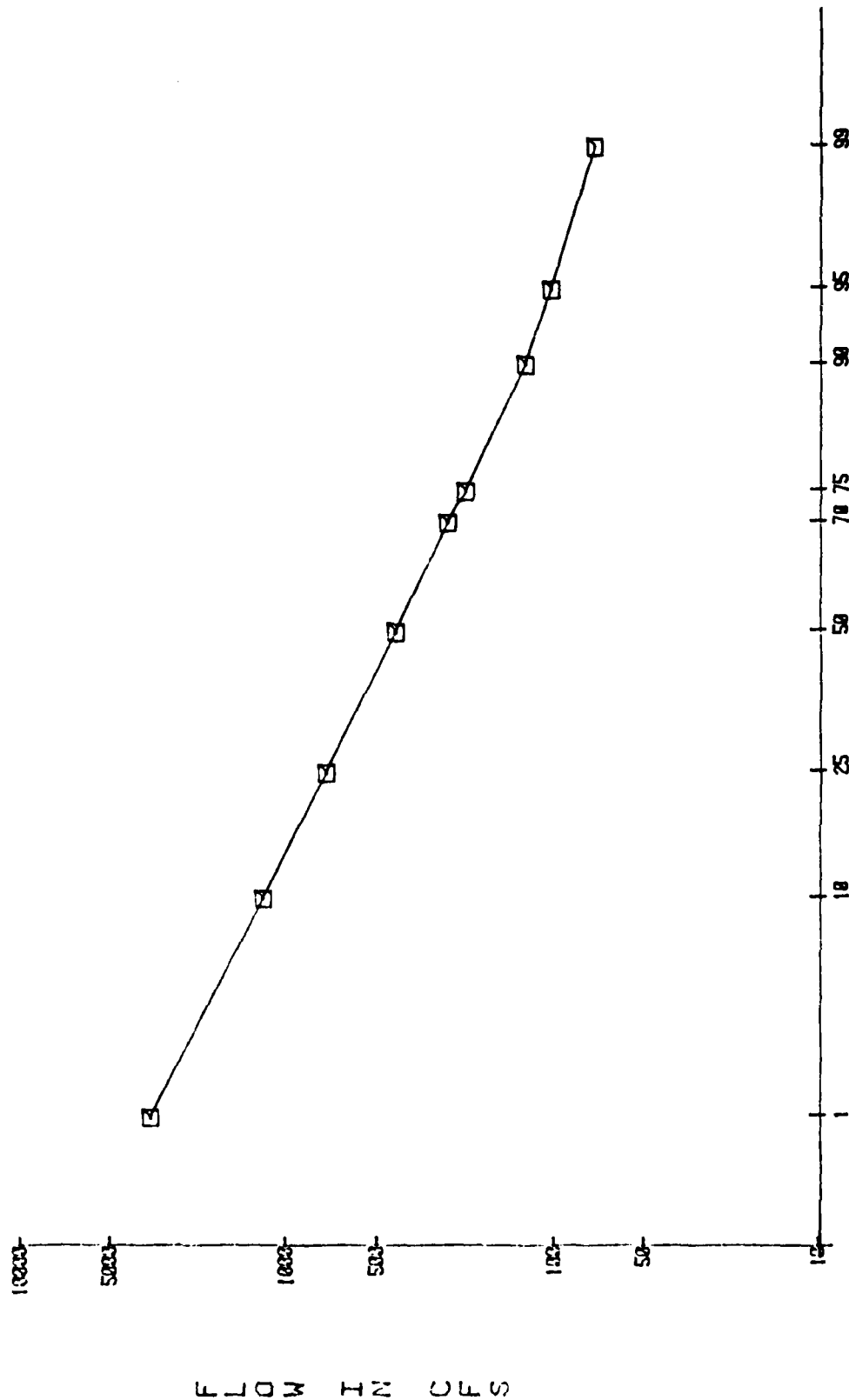
Figure A-32. Natural Flow Duration Curve for
01468500, Schuylkill River at Landingville, PA.



PERCENT TIME EQUALED OR EXCEEDED
 Figure A-33. Natural Flow Duration Curve for
 01469500, Little Schuylkill River
 at Tamaqua, PA.

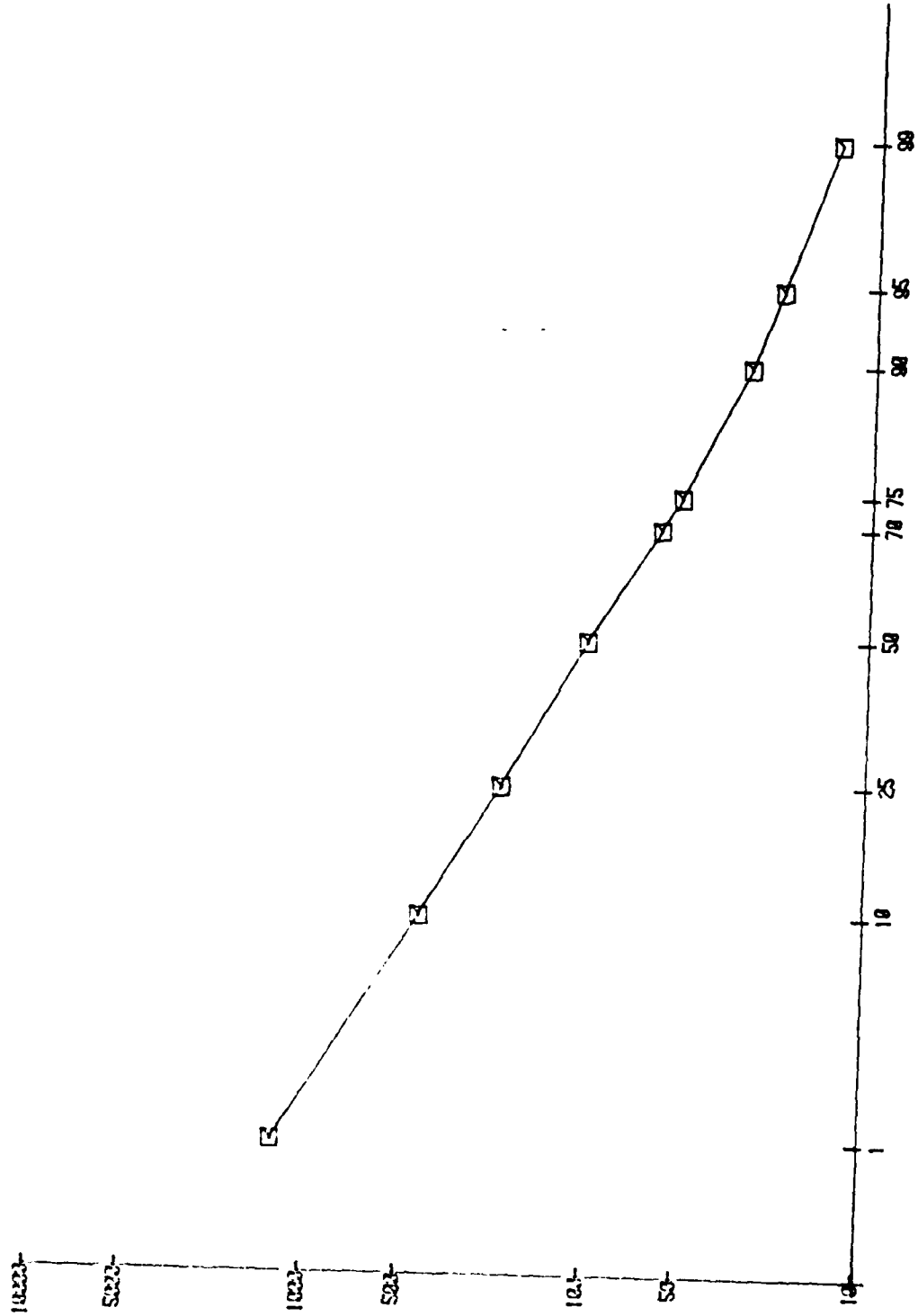


PERCENT TIME EQUALED OR EXCEEDED
 Figure A-34. Natural Flow Duration Curve for
 01470000, Little Schuylkill River
 at Dreherstown, PA.

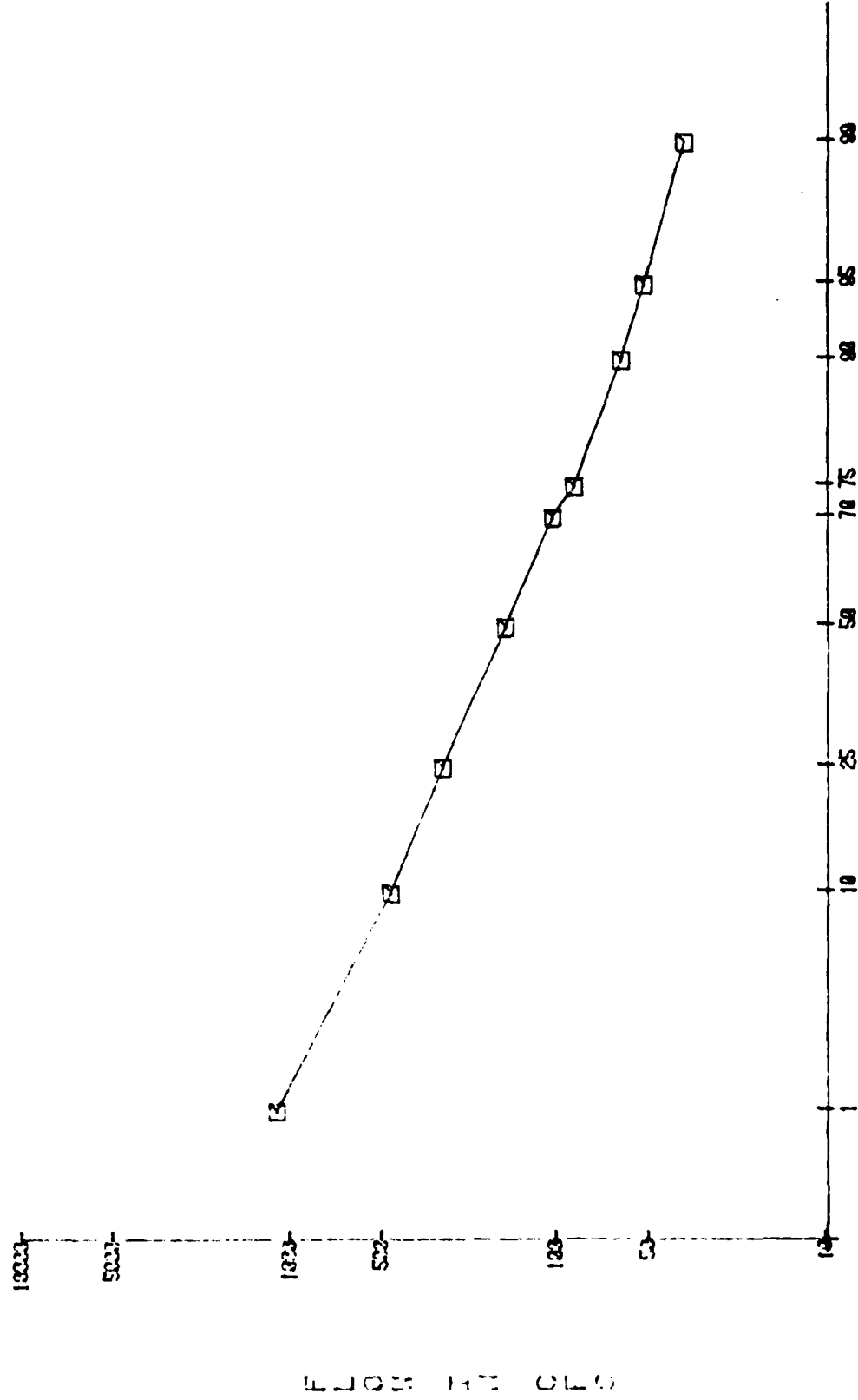


PERCENT TIME EQUALED OR EXCEEDED

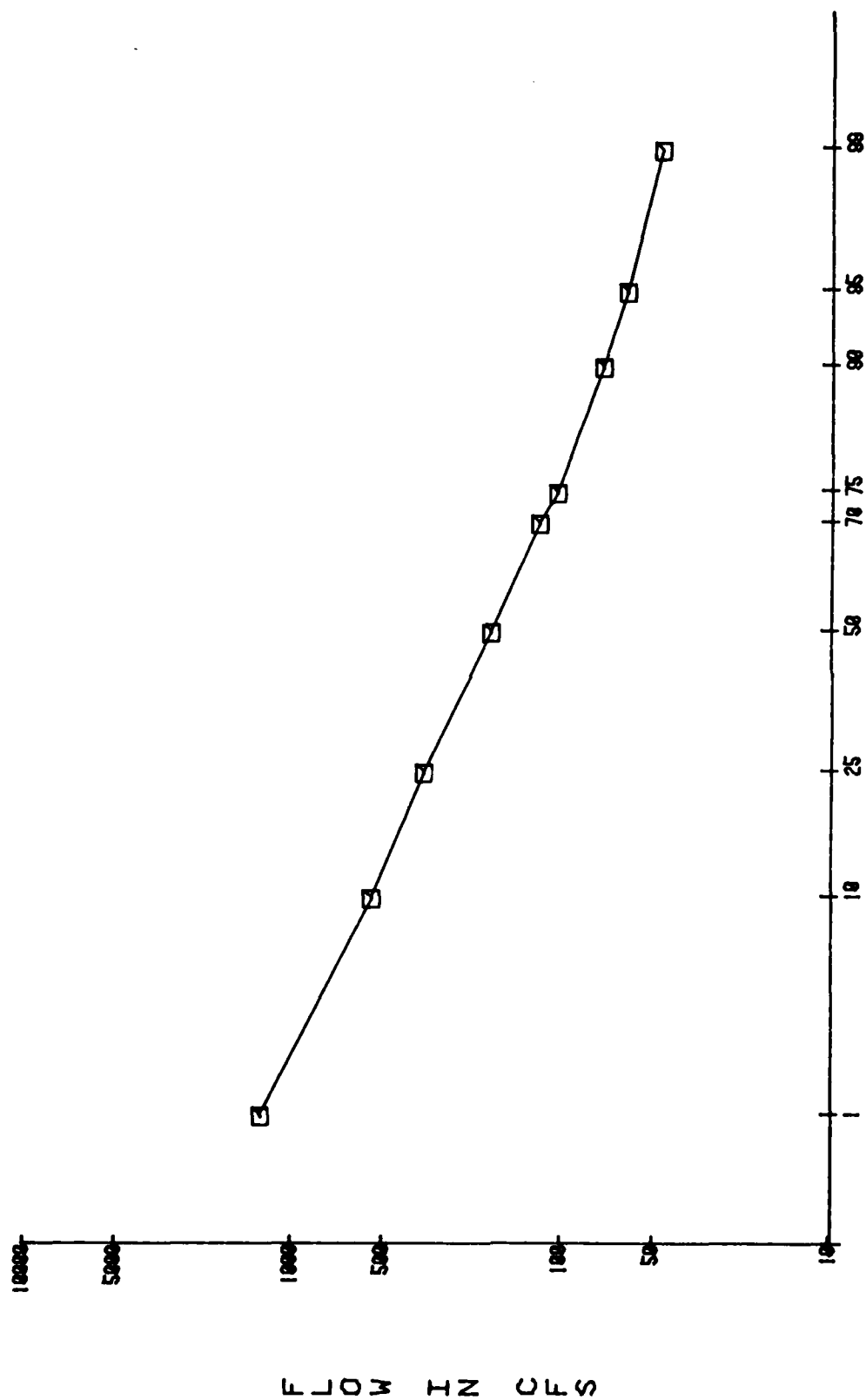
Figure A-35. Natural Flow Duration Curve for
01470500, Schuylkill River at Berne, PA.



PERCENT TIME EQUALED OR EXCEEDED
 Figure A-36. Natural Flow Duration Curve for
 01470756, Maiden Creek at Virginville, PA.

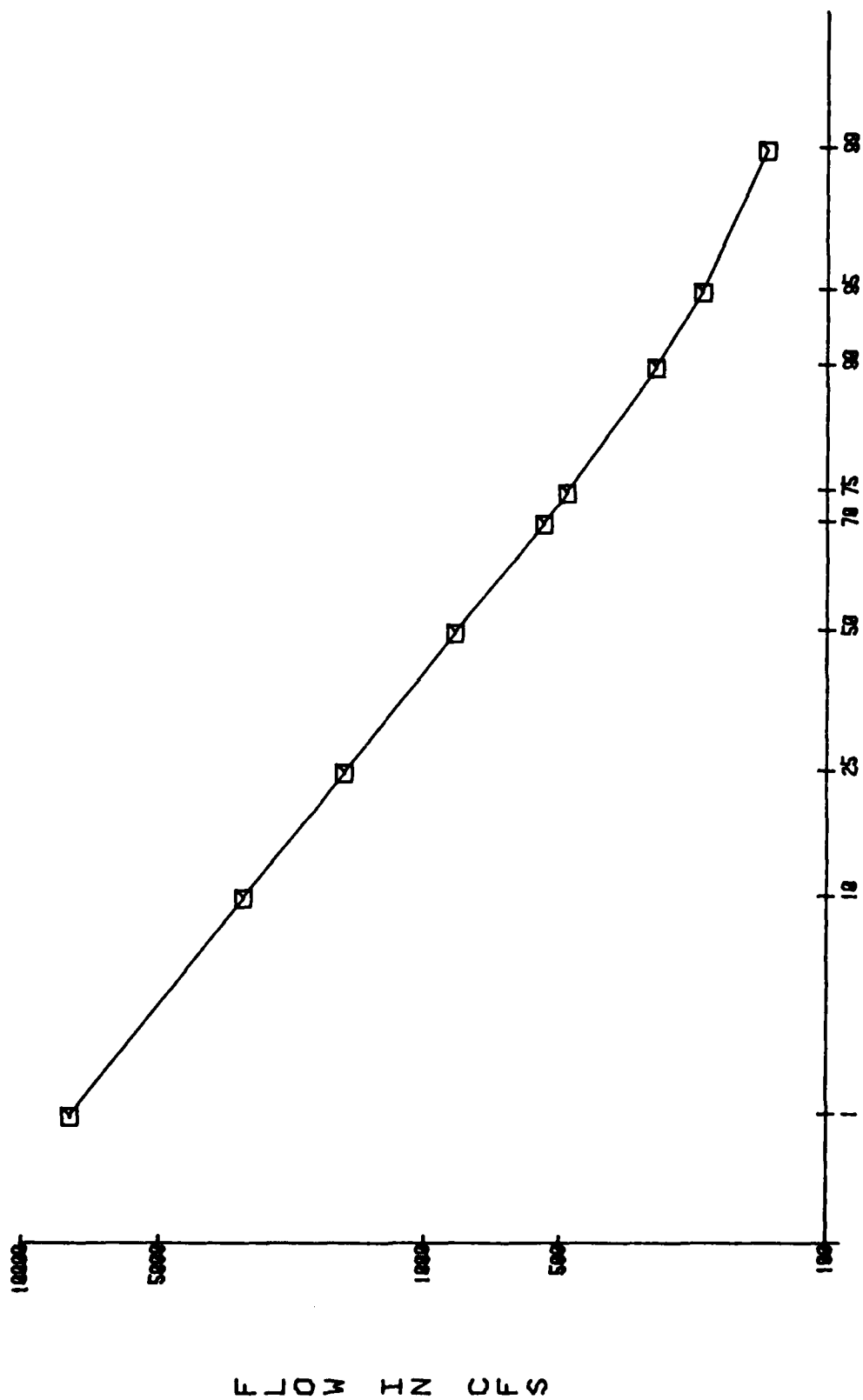


PERCENT TIME EQUALED OR EXCEEDED
 Figure A-37. Natural Flow Duration Curve for
 01470960, Tulpehocken Creek at
 Blue Marsh Damsite, PA.

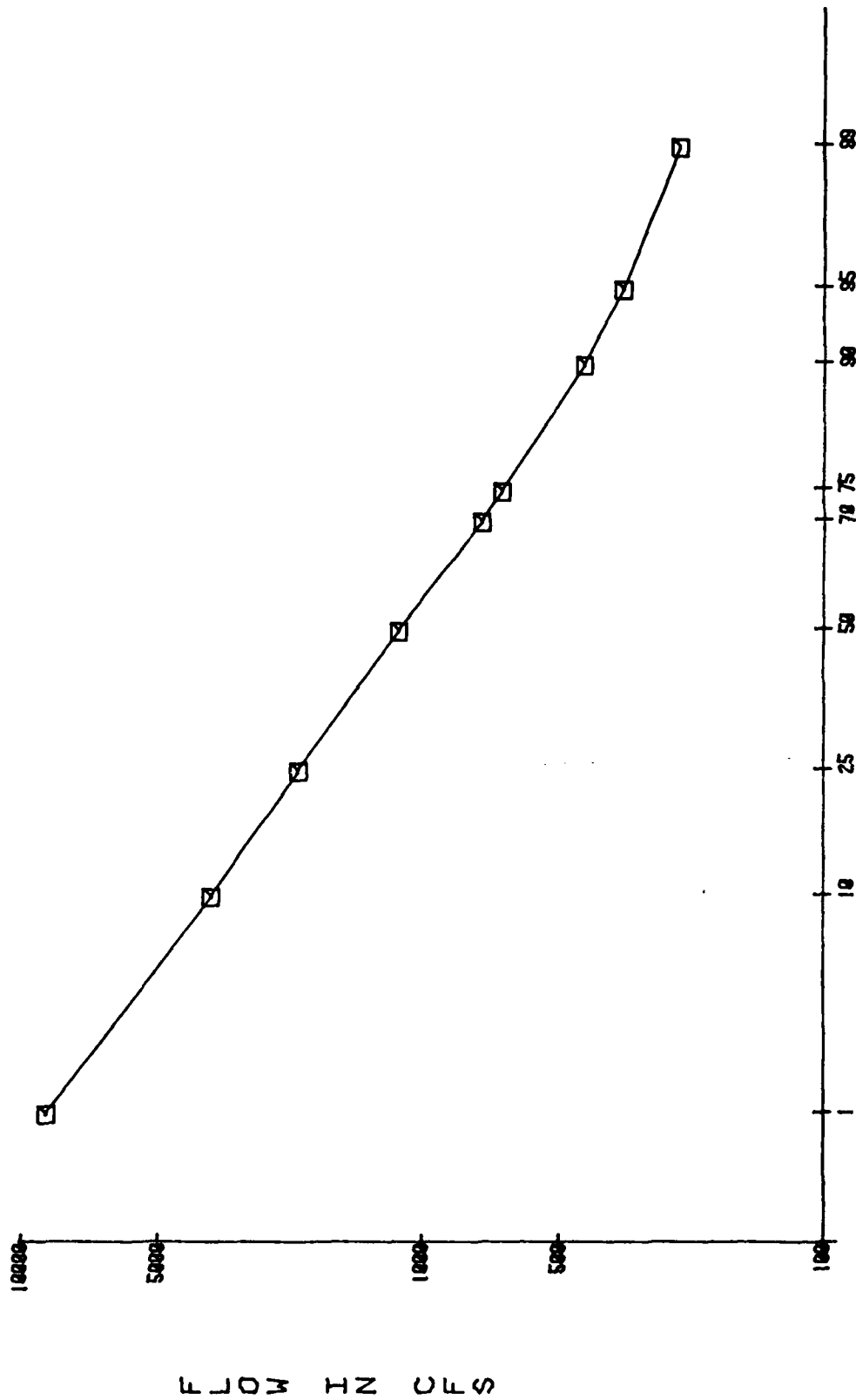


PERCENT TIME EQUALED OR EXCEEDED

Figure A-38. Natural Flow Duration Curve for
01471000, Tulpehocken Creek at Reading, PA.

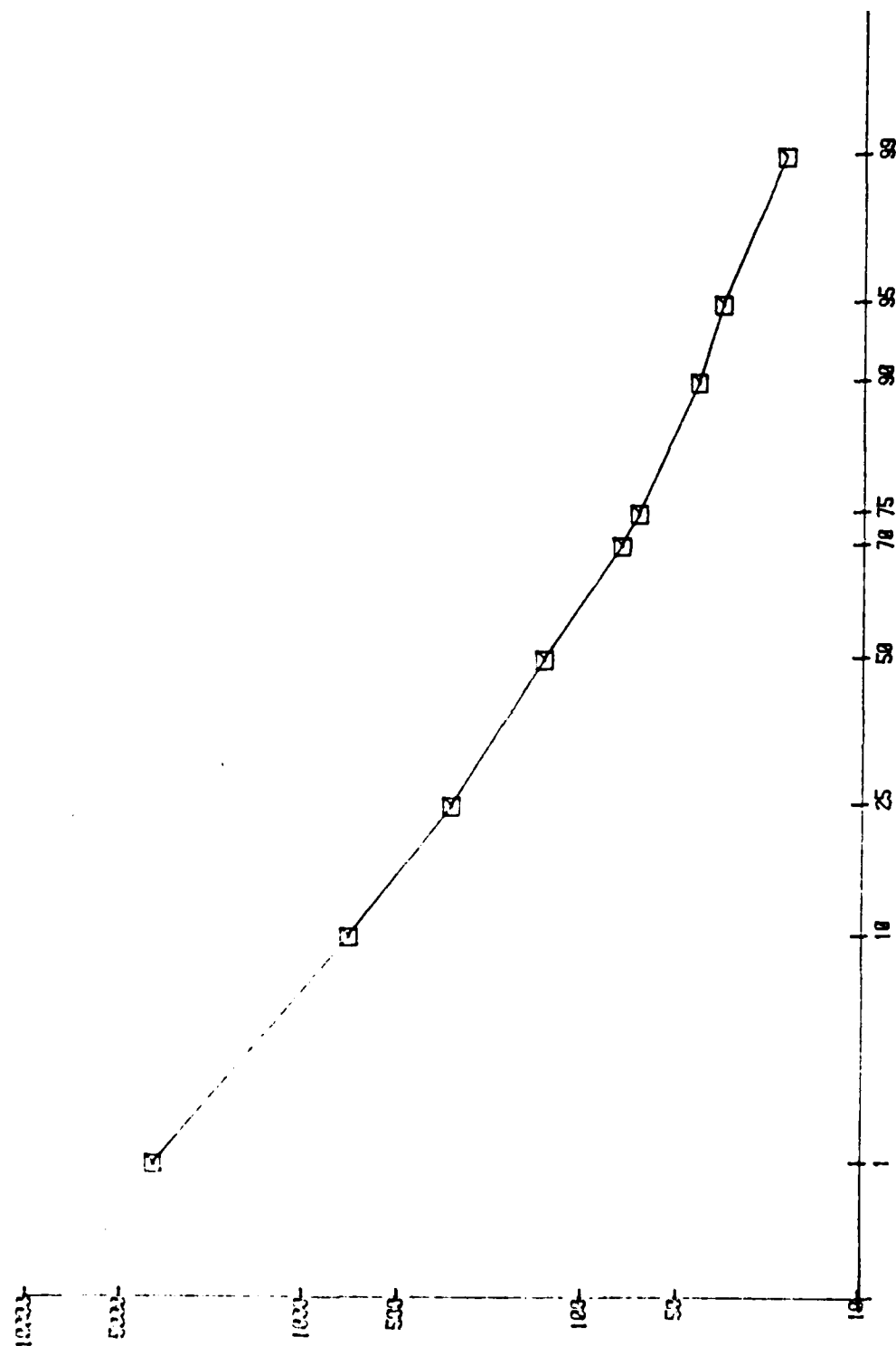


PERCENT TIME EQUALED OR EXCEEDED
Figure A-39. Natural Flow Duration Curve for
01471500, Schuylkill River at Reading, PA.



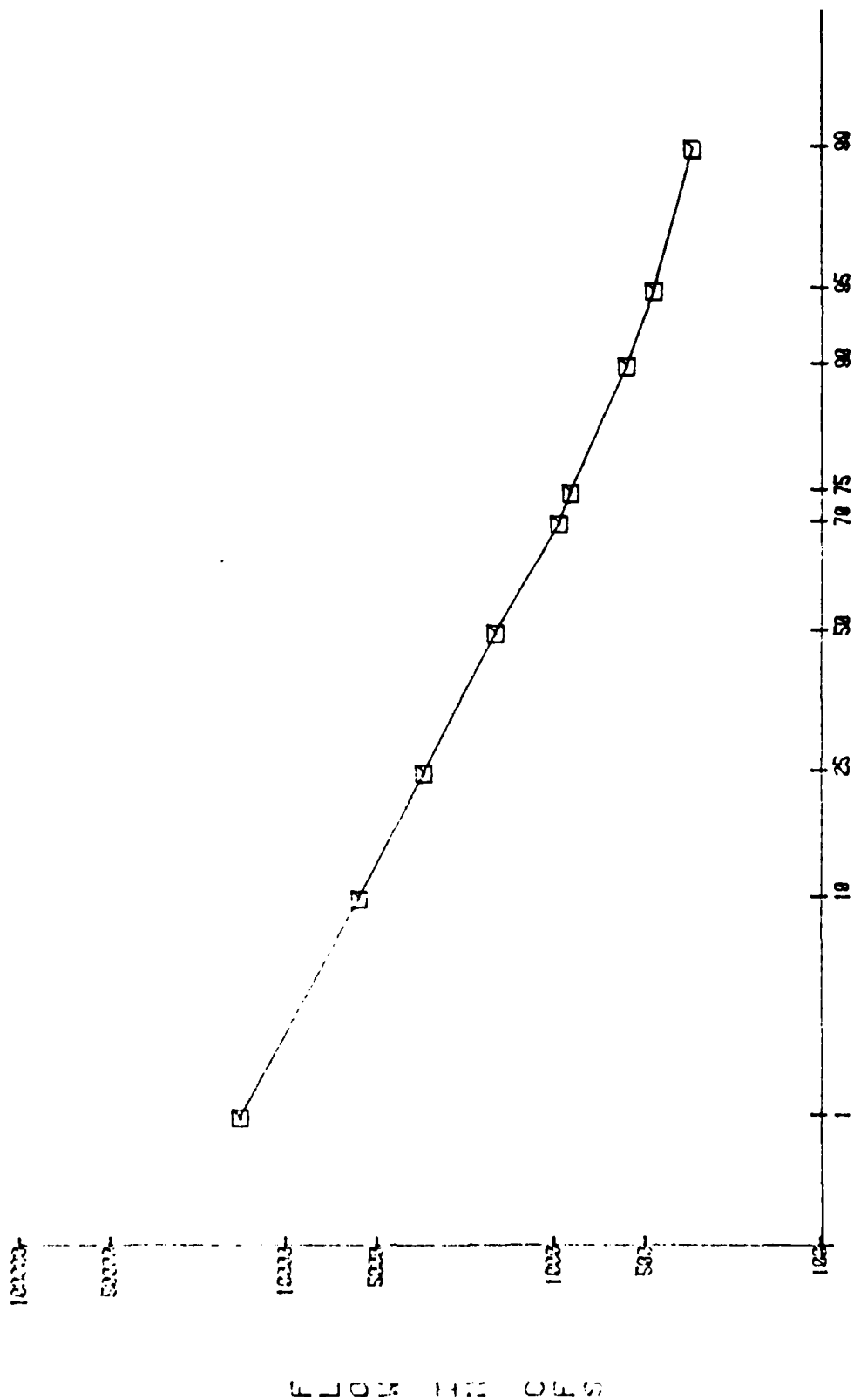
PERCENT TIME EQUALED OR EXCEEDED

Figure A-40. Natural Flow Duration Curve for
01472000, Schuylkill River at Pottstown, PA.



PERCENT TIME EQUALED OR EXCEEDED

Figure A-41. Natural Flow Duration Curve for
01473000, Perkiomen Creek at Graterford, PA.



PERCENT TIME EQUALED OR EXCEEDED

Figure A-42. Natural Flow Duration Curve for
01474500, Schuylkill River at Philadelphia, PA.

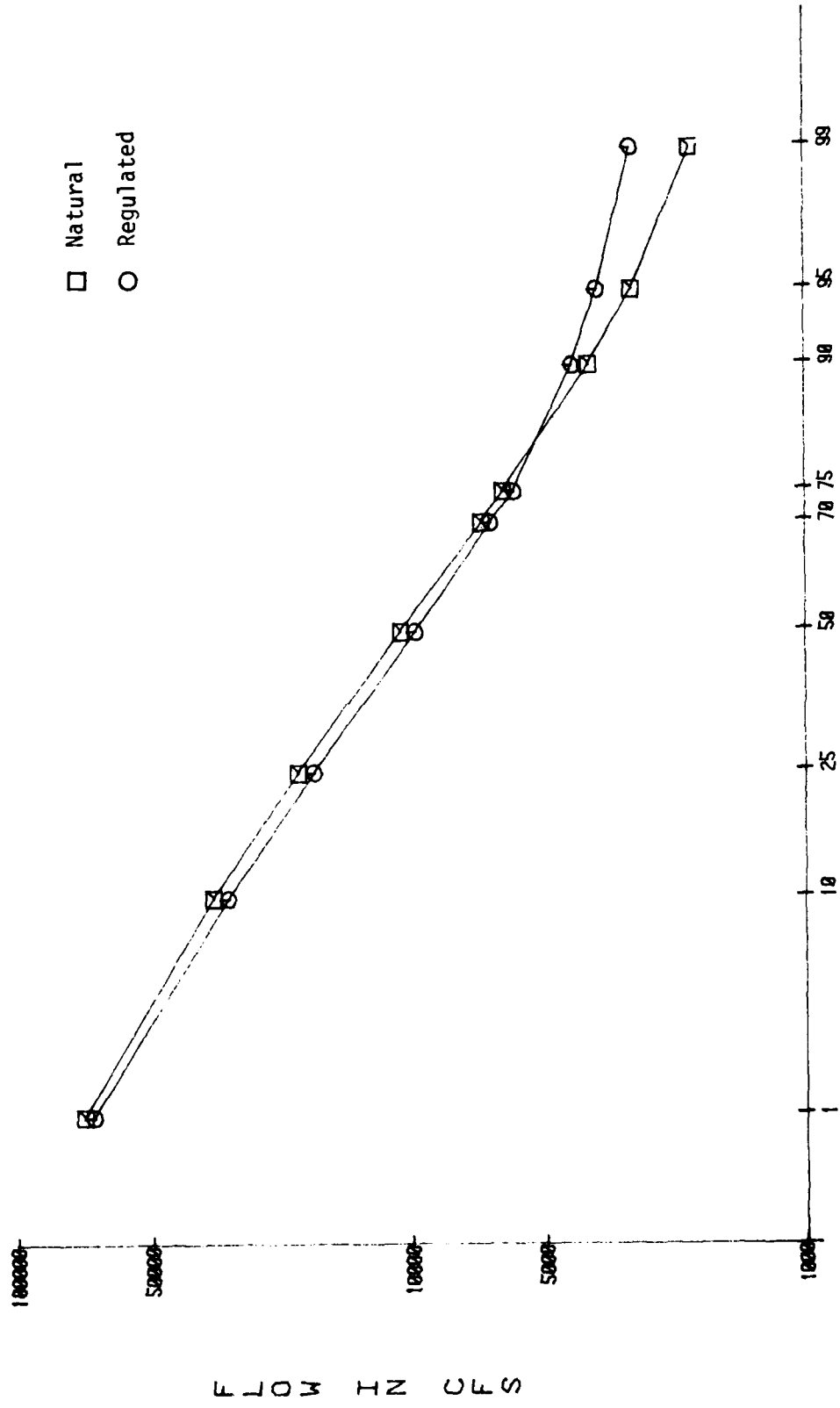
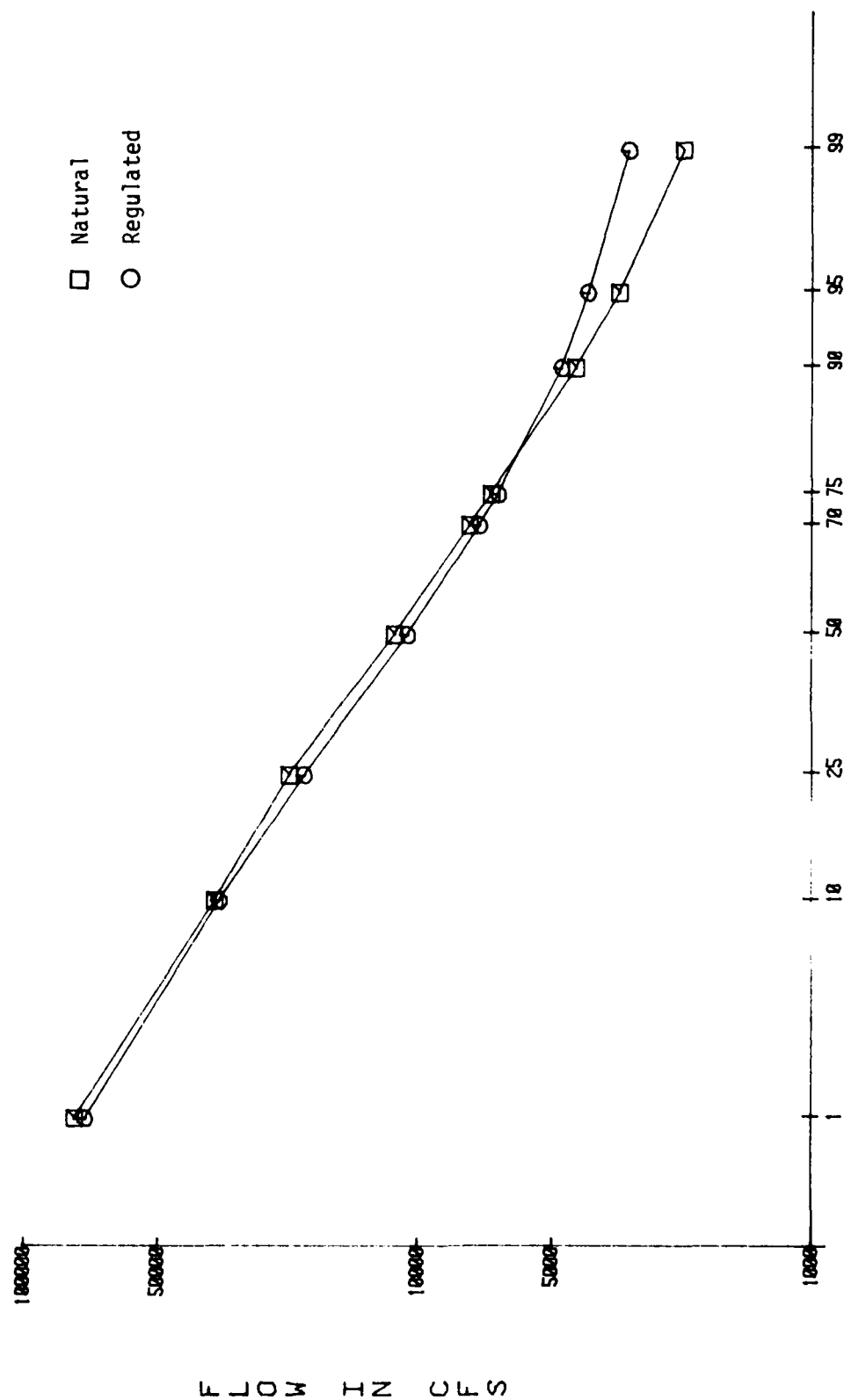


Figure A-43. Natural and Regulated Flow Duration Curves for Delaware River Below Schuylkill Confluence



PERCENT TIME EQUALED OR EXCEEDED

Figure A-44. Natural and Regulated Flow Duration Curves for Delaware River at Delaware Memorial Bridge

Table A-2.1. Natural Low Flow Frequency Table

(Flow in cfs)

USGS Station 01417000

East Branch Delaware River at Downsview, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	15.1	15.8	16.9	18.3	21.4	26.2	31.6	47.3	249	345
2	50.00	16.8	17.5	18.6	20.4	23.9	30.0	37.8	57.2	275	379
5	20.00	19.9	20.6	21.8	24.1	28.6	37.2	49.6	75.7	319	435
10	10.00	23.2	24.0	25.4	28.2	33.8	45.4	63.1	96.7	362	487
20	5.00	28.2	29.1	30.9	34.6	42.1	58.5	84.5	129	420	555
50	2.00	42.1	43.4	47.1	53.0	66.9	98.7	148	222	551	696
80	1.25	65.1	67.7	76.2	85.6	113	175	261	373	708	847
90	1.11	82.8	86.9	101	112	153	212	351	484	802	928
96	1.04	108	115	138	153	214	347	481	637	910	1010
98	1.02	130	139	170	188	270	442	591	757	984	1070
99	1.01	153	165	208	228	334	553	711	882	1050	1120

Table A-2.2. Natural Low Flow Frequency Table

(Flow in cfs)

USGS Station 01421000
East Branch Delaware River at Fishs Eddy, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	23.1	28.5	30.5	33.0	38.2	66.0	81.9	124	623	843
2	50.00	28.2	34.4	36.9	40.3	46.8	78.0	99.6	149	682	920
5	20.00	37.7	45.0	48.7	53.7	62.9	100	133	197	780	1040
10	10.00	48.4	56.8	61.9	68.8	81.3	126	170	250	877	1160
20	5.00	64.8	74.6	82.1	91.7	110	166	229	332	1010	1310
50	2.00	110	122	137	154	190	284	396	558	1290	1620
80	1.25	180	193	221	247	319	491	667	912	1637	1950
90	1.11	229	242	280	311	412	657	867	1170	1840	2120
96	1.04	294	304	356	393	535	898	1140	1500	2080	2310
98	1.02	343	351	415	454	631	1100	1350	1760	2250	2440
99	1.01	392	397	473	515	729	1320	1570	2030	2400	2550

Table A-2.3. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01425000
West Branch Delaware River at Stilesville, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	18.4	18.6	19.4	20.2	23.6	28.1	38.2	48.1	274	413
2	50.00	20.6	21.0	22.0	23.3	27.1	33.1	45.8	59.5	306	452
5	20.00	24.6	25.2	26.5	28.6	33.5	42.7	60.1	81.0	359	514
10	10.00	28.9	29.7	31.4	34.4	40.6	53.5	76.3	106	411	572
20	5.00	35.2	36.4	38.7	43.0	51.5	70.7	102	144	479	648
50	2.00	52.0	54.1	58.1	65.6	82.7	122	176	254	627	803
80	1.25	77.9	81.4	88.5	99.7	136	213	302	430	795	968
90	1.11	96.8	101	111	124	178	286	400	556	889	1060
96	1.04	123	128	142	156	239	395	538	724	993	1150
98	1.02	143	150	166	181	290	487	652	853	1060	1210
99	1.01	165	173	192	207	346	589	773	985	1120	1270

Table A-2.4. Natural Low Flow Frequency Table

(Flow in cfs)

USGS Station 01426500

West Branch Delaware River at Hale Eddy, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	23.5	24.0	25.0	26.3	30.9	37.6	49.5	62.4	354	543
2	50.00	26.2	26.7	28.0	29.9	35.0	43.8	59.0	76.8	395	591
5	20.00	31.0	31.6	33.4	36.3	42.6	55.4	76.9	104	462	668
10	10.00	36.1	36.9	39.2	43.2	51.1	68.6	97.3	135	528	740
20	5.00	43.7	44.8	47.9	53.5	64.2	89.6	129	184	615	834
50	2.00	64.2	66.2	71.6	81.3	102	153	223	324	805	1030
80	1.25	96.8	101	110	125	169	268	384	548	1020	1240
90	1.11	121	126	139	157	224	364	510	712	1140	1360
96	1.04	155	163	180	200	305	509	690	932	1280	1490
98	1.02	183	193	214	235	376	635	839	1100	1370	1570
99	1.01	213	225	251	272	455	778	1000	1280	1450	1650

Table A-2.5. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01427405
Delaware River Near Callicoon, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	58.6	73.8	78.7	87.7	111	139	169	234	1190	1680
2	50.00	68.3	84.4	90.0	101	126	162	203	284	1310	1830
5	20.00	85.9	103	110	124	153	206	268	376	1520	2080
10	10.00	105	124	132	150	183	255	342	481	1720	2310
20	5.00	134	155	166	189	230	331	456	642	1990	2610
50	2.00	213	237	259	294	364	555	779	1090	2580	3230
80	1.25	337	367	409	459	597	946	1310	1810	3280	3890
90	1.11	427	462	524	581	784	1260	1700	2320	3680	4240
96	1.04	548	591	684	748	1060	1720	2240	3010	4130	4620
98	1.02	644	694	815	881	1300	2100	2660	3540	4440	4860
99	1.01	744	803	956	1020	1560	2530	3110	4090	4730	5080

Table A-2.6. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01428500
Delaware River Near Barryville, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	65.0*	90.6	100*	115*	139	166	196	273	1380	1960
2	50.00	79.0*	102	110*	130*	156	194	236	330	1530	2140
5	20.00	100*	123	130*	149	186	244	312	437	1770	2430
10	10.00	120*	145	150*	177	220	301	397	558	2000	2700
20	5.00	150*	179	190	221	272	391	530	745	2320	3060
50	2.00	264	280*	320	339	424	652	909	1270	3020	3780
80	1.25	425	450*	498	530	690	1110	1530	2110	3860	4560
90	1.11	517	550*	609	674	908	1480	2000	2730	4340	4980
96	1.04	615	682	739	876	1230	2020	2640	3560	4900	5440
98	1.02	676	808	850*	1040	1520	2480	3150	4220	5280	5730
99	1.01	798*	943	1010*	1220	1840	2990	3690	4890	5630	5990

*Recalculated

Table A-2.7. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01429000
Lackawaxen River at Prompton, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	3.92	4.25	4.76	5.26	5.82	6.34	7.68	9.56	40.4	50.5
2	50.00	4.30	4.62	5.14	5.68	6.31	7.07	8.75	11.2	43.6	55.0
5	20.00	4.96	5.27	5.81	6.43	7.20	8.41	10.7	14.1	48.8	62.2
10	10.00	5.65	5.95	6.52	7.24	8.17	9.88	12.8	17.3	54.1	69.1
20	5.00	6.64	6.95	7.58	8.43	9.66	12.1	16.1	22.1	61.4	78.3
50	2.00	9.15	9.56	10.4	11.6	13.9	18.6	25.5	34.9	78.4	98.1
80	1.25	12.8	13.6	14.9	16.8	21.3	29.8	41.6	54.4	101	121
90	1.11	15.4	16.5	18.3	20.7	27.2	38.7	54.3	68.3	115	134
96	1.04	18.8	20.5	23.1	26.3	36.1	52.0	72.8	86.7	134	149
98	1.02	21.5	23.7	27.1	30.9	43.9	63.4	88.5	101	147	160
99	1.01	24.3	27.2	31.4	35.9	52.7	76.2	106	116	160	169

Table A-2.8. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01429500
Dyberry Creek Near Honesdale, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1.67	1.91	2.40	2.80	3.24	3.63	4.89	6.74	37.1	46.8
2	50.00	1.95	2.18	2.68	3.09	3.58	4.17	5.64	8.01	40.4	51.6
5	20.00	2.46	2.67	3.17	3.60	4.21	5.18	7.06	10.4	45.9	59.3
10	10.00	3.00	3.20	3.71	4.18	4.93	6.33	8.71	13.1	51.4	66.8
20	5.00	3.80	3.98	4.52	5.06	6.06	8.16	11.4	17.3	59.0	76.8
50	2.00	5.86	6.06	6.76	7.61	9.49	13.7	20.0	29.5	77.0	98.2
80	1.25	8.81	9.28	10.5	12.1	16.0	24.3	37.1	50.4	101	123
90	1.11	10.8	11.6	13.3	15.8	21.7	33.3	52.7	66.8	116	137
96	1.04	13.3	14.8	17.4	21.8	30.8	47.5	78.0	90.0	135	152
98	1.02	15.2	17.3	20.8	26.3	39.1	60.1	102	109	148	163
99	1.01	17.1	19.9	24.5	31.8	48.9	74.8	130	130	162	172

Table A-2.9. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01430000
Lackawaxen River at Honesdale, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	7.69	8.61	9.02	9.53	11.1	12.5	16.5	21.8	105	130
2	50.00	8.64	9.54	10.1	10.6	12.5	14.4	19.2	26.0	114	143
5	20.00	10.3	11.2	11.9	12.9	15.0	18.0	24.2	33.5	129	163
10	10.00	12.1	12.9	13.9	15.2	17.7	22.1	29.3	42.0	143	183
20	5.00	14.6	15.5	16.8	18.6	22.0	28.4	38.7	54.8	164	209
50	2.00	21.2	22.3	24.6	27.7	33.7	46.6	64.6	90.2	211	264
80	1.25	31.0	33.0	36.8	41.6	53.4	78.3	110	146	272	327
90	1.11	37.8	40.8	45.9	51.7	68.8	104	148	186	310	362
96	1.04	46.9	51.6	58.5	65.5	90.9	141	202	240	357	402
98	1.02	53.9	60.4	68.6	76.5	109	172	249	282	392	428
99	1.01	61.2	69.7	79.5	88.0	130	207	301	326	425	452

Table A-2.10. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01431500
Lackawaxen River at Hawley, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	9.31	14.0	15.1	16.5	19.1	20.2	27.0	35.7	178	220
2	50.00	11.1	15.4	16.7	18.4	21.3	23.5	31.4	42.3	193	243
5	20.00	14.2	18.0	19.6	21.7	25.3	29.6	39.7	54.7	220	281
10	10.00	17.6	20.8	22.7	25.3	29.7	36.6	49.1	68.6	246	318
20	5.00	22.6	25.0	27.4	30.7	36.5	47.5	64.0	90.1	282	367
50	2.00	35.4	36.7	40.4	45.5	56.0	79.5	109	151	368	471
80	1.25	53.6	55.8	62.0	69.7	90.2	136	190	253	480	589
90	1.11	65.7	70.7	78.8	88.3	118	182	258	330	553	655
96	1.04	80.6	92.0	103	115	160	251	361	439	643	729
98	1.02	91.6	110	123	137	196	309	450	526	709	777
99	1.01	102	129	146	161	236	374	551	620	775	821

Table A-2.11. Natural Low Flow Frequency Table

(Flow in cfs)

USGS Station 01434000
Delaware River at Port Jervis, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	79.2*	205	287	322	377	426	499	648	2220	2790
2	50.00	100*	235	318	360	418	486	577	749	2410	3050
5	20.00	139	287	372	425	489	592	716	930	2740	3480
10	10.00	213	342	430	495	567	708	868	1130	3060	3890
20	5.00	327	422	514	595	683	882	1100	1420	3490	4410
50	2.00	577	619	738	854	1000	1350	1700	2200	4460	5500
80	1.25	777	893	1080	1240	1520	2080	2640	3380	5650	6670
90	1.11	839	1070	1340	1510	1920	2630	3320	4230	6380	7310
96	1.04	875	1300	1680	1870	2480	3370	4240	5360	7230	7990
98	1.02	888	1460	1960	2150	2950	3960	4960	6240	7830	8430
99	1.01	894	1630	2260	2440	3460	4590	5710	7150	8410	8820

*Recalculated

Table A-2.12. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01436000
Neversink River at Neversink, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	3.71	4.77	5.23	5.59	12.7	18.6	23.0	27.8	110	144
2	50.00	5.39	6.48	7.03	7.62	14.7	21.1	26.4	33.0	117	152
5	20.00	8.89	9.86	10.6	11.7	18.3	25.8	32.8	42.4	129	166
10	10.00	13.1	13.8	14.6	16.4	22.3	30.8	39.7	52.5	141	180
20	5.00	19.4	19.6	20.8	23.6	28.3	38.6	50.2	67.5	158	199
50	2.00	33.7	33.8	36.2	41.1	45.0	60.3	79.0	107	198	241
80	1.25	46.7	49.3	54.2	60.9	71.8	96.6	126	163	252	295
90	1.11	51.5	56.8	63.5	70.6	91.8	125	160	202	287	328
96	1.04	54.9	63.7	72.7	79.7	120	165	209	250	332	369
98	1.02	56.3	67.4	77.9	84.7	142	199	248	286	365	398
99	1.01	57.1	70.2	82.1	88.5	166	236	290	321	398	427

Table A-2.13. Natural Low Flow Frequency Table

(Flow in cfs)

USGS Station 01437000
Neversink River at Oakland Valley, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	16.5	19.4	22.7	25.3	31.1	34.6	40.6	54.2	207	259
2	50.00	18.8	21.5	24.8	27.8	33.7	38.6	46.5	62.6	219	276
5	20.00	22.8	25.4	28.7	32.2	38.4	46.0	57.3	77.8	241	304
10	10.00	27.1	29.5	32.9	37.0	43.8	54.4	69.3	94.6	264	332
20	5.00	33.5	35.8	39.4	44.4	52.2	67.4	87.7	120	295	370
50	2.00	50.3	52.9	57.7	65.1	77.3	106	140	190	375	458
80	1.25	76.0	80.9	89.1	101	124	178	230	301	488	572
90	1.11	94.6	102	114	129	163	239	301	385	566	646
96	1.04	120	133	152	171	226	334	404	501	669	736
98	1.02	139	158	184	207	282	418	490	594	749	803
99	1.01	160	186	220	247	348	517	586	694	832	869

Table A-2.14. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01438500
Delaware River at Montague, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	195	255	342	375	438	478	557	733	2590	3190
2	50.00	227	293	379	421	487	550	650	854	2820	3510
5	20.00	285	358	445	501	573	678	817	1070	3200	4070
10	10.00	346	427	516	585	667	818	1000	1310	3570	4500
20	5.00	434	525	619	708	807	1030	1270	1660	4070	5130
50	2.00	650	767	893	1020	1190	1590	2010	2590	5210	6420
80	1.25	943	1100	1320	1490	1810	2470	3140	4000	6610	7870
90	1.11	1130	1310	1630	1810	2290	3120	3950	5010	7460	8570
96	1.04	1360	1580	2050	2240	2960	4000	5030	6330	8470	9380
98	1.02	1520	1770	2390	2580	3520	4700	5880	7360	9180	9900
99	1.01	1680	1960	2760	2920	4130	5430	6750	8410	9860	10400

Table A-2.15. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01440200
Delaware River Below Tocks Island Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	235	288	394	427	494	526	605	806	2790	3460
2	50.00	276	334	436	477	547	604	708	941	3050	3810
5	20.00	347	414	511	566	641	746	896	1180	3480	4380
10	10.00	420	496	591	660	743	900	1100	1450	3900	4960
20	5.00	525	612	707	800	896	1130	1410	1840	4470	5610
50	2.00	772	890	1010	1150	1320	1760	2240	2890	5740	7060
80	1.25	1090	1250	1470	1670	2020	2770	3530	4480	7290	8600
90	1.11	1280	1470	1810	2030	2550	3510	4450	5610	8220	9430
96	1.04	1410	1730	2260	2520	3320	4530	5690	7090	9310	10300
98	1.02	1650	1910	2690	2900	3960	5340	6660	8240	10100	10900
99	1.01	1790	2080	3000	3290	4660	6210	7660	9410	10800	11400

Table A-2.16. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01446500
Delaware River at Belvidere, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	288	337	453	492	569	597	683	924	3150	3930
2	50.00	339	395	507	553	630	689	804	1080	3460	4350
5	20.00	428	496	600	657	740	854	1020	1370	3980	5020
10	10.00	522	601	699	768	860	1040	1270	1680	4480	5660
20	5.00	654	748	841	929	1040	1310	1630	2150	5160	6490
50	2.00	973	1100	1210	1350	1550	2070	2630	3400	6690	8230
80	1.25	1380	1530	1740	1970	2390	3300	4170	5300	8540	10100
90	1.11	1630	1780	2110	2400	3050	4220	5280	6650	9640	11100
96	1.04	1920	2070	2590	2990	4000	5510	6760	8440	10900	12100
98	1.02	2110	2270	2970	3440	4800	6550	7920	9820	11800	12800
99	1.01	2300	2450	3350	3920	5690	7660	9110	11200	12700	13400

Table A-2.17. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01447800
Lehigh River at White Haven, PA.

Probability (Percent)	Recurrence Interval (Years)	1	3	7	14	30	60	90	120	183	365
1	100.00	12.2	31.7	40.0	41.2	41.3	50.2	62.7	86.6	223	301
2	50.00	18.2	36.5	43.9	45.7	47.7	57.4	72.2	98.9	245	329
5	20.00	30.4	44.5	50.5	53.4	58.6	70.3	89.3	121	281	374
10	10.00	44.1	52.5	57.3	61.4	70.0	84.4	108	144	317	418
20	5.00	62.3	63.1	66.7	72.6	85.9	105	135	179	365	474
50	2.00	91.3	86.0	89.3	99.9	124	162	210	271	477	592
80	1.25	103	111	120	138	172	251	326	411	618	723
90	1.11	104*	124	140	163	202	317	410	511	705	795
96	1.04	105	138	165	194	238	406	524	647	809	874
98	1.02	106*	147	184	218	263	478	615	753	884	926
99	1.01	107*	155	203	241	286	554	709	863	955	974

*Recalculated

Table A-2.18. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01449800
Pohopoco Creek at Beltzville Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	5.67	11.1	13.1	14.1	14.3	17.4	18.8	23.3	53.5	72.4
2	50.00	7.64	12.8	14.6	15.8	16.4	19.4	21.5	26.9	59.4	79.5
5	20.00	11.3	15.6	17.3	18.6	20.0	23.0	26.4	33.4	69.2	90.9
10	10.00	15.3	18.5	20.0	21.4	23.7	26.9	31.7	40.3	78.8	102
20	5.00	20.8	22.3	23.6	25.3	28.7	32.6	39.5	50.4	91.9	117
50	2.00	31.3	30.5	32.0	34.2	29.9	47.9	60.4	76.2	121	148
80	1.25	39.0	39.8	42.3	45.3	53.1	71.9	92.7	113	156	185
90	1.11	41.3	44.8	48.5	52.2	60.7	89.7	116	139	177	206
96	1.04	42.8	50.2	55.7	60.2	69.1	114	148	171	200	229
98	1.02	43.3	53.6	60.7	65.9	74.7	134	173	195	217	245
99	1.01	43.6	56.7	65.5	71.3	79.8	155	199	219	232	260

Table A-2.19. Natural Low Flow Frequency Table
(Flow in cfs)
Aquashicola Creek at Aquashicola Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	6.93	7.74	8.33	8.92	9.57	11.4	12.9	16.2	38.9	54.4
2	50.00	7.99	8.85	9.56	10.2	11.1	13.1	15.2	19.0	44.0	61.2
5	20.00	9.82	10.7	11.7	12.5	13.8	16.2	19.2	24.1	52.5	72.2
10	10.00	11.7	12.6	13.8	14.7	16.5	19.5	23.6	29.7	61.0	82.8
20	5.00	14.3	15.3	16.7	17.9	20.4	24.4	30.3	37.9	72.5	96.6
50	2.00	20.4	21.3	23.4	25.1	29.6	37.2	47.9	59.6	98.0	126
80	1.25	27.9	28.8	31.5	34.1	41.1	56.2	74.4	92.1	128	156
90	1.11	32.4	33.2	36.3	39.4	48.1	69.5	93.1	115	145	173
96	1.04	37.6	38.3	41.6	45.5	56.3	87.0	118	144	164	189
98	1.02	41.2	41.7	45.3	49.7	61.9	100	136	166	177	200
99	1.01	44.5	44.9	48.6	53.6	67.1	114	155	189	188	209

Table A-2.20. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01450500
Aquashicola Creek at Palmerton, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	8.22	9.15	9.86	10.5	11.2	13.3	15.0	18.9	45.2	63.3
2	50.00	9.45	10.4	11.3	12.0	13.0	15.3	17.6	22.2	51.2	71.2
5	20.00	11.6	12.6	13.7	14.6	16.1	18.9	22.4	28.1	61.1	84.0
10	10.00	13.7	14.8	16.1	17.2	19.3	22.7	27.5	34.5	71.0	96.3
20	5.00	16.7	17.8	19.4	20.8	23.7	28.4	35.2	44.0	84.3	112
50	2.00	23.7	24.8	27.1	29.1	34.3	43.2	55.6	69.3	114	146
80	1.25	32.4	33.4	36.5	39.5	47.8	65.3	86.5	107	149	182
90	1.11	37.6	38.6	42.1	45.8	56.0	80.9	108	133	168	201
96	1.04	43.6	44.6	48.5	53.1	65.5	101	137	167	191	220
98	1.02	47.8	48.7	52.9	58.1	72.2	117	159	193	205	233
99	1.01	51.6	52.5	56.9	62.9	78.4	133	181	220	219	244

Table A-2.21. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01451000
Lehigh River at Walnutport, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	129	133	145	156	165	186	208	268	654	816
2	50.00	139	144	157	170	183	208	237	305	717	909
5	20.00	157	163	177	193	213	247	290	371	823	1060
10	10.00	174	183	198	217	245	289	348	442	931	1210
20	5.00	200	210	228	250	291	354	435	550	1080	1400
50	2.00	263	277	304	335	407	531	676	848	1430	1820
80	1.25	354	371	413	457	572	822	1070	1330	1900	2290
90	1.11	417	435	488	541	687	1050	1360	1700	2210	2550
96	1.04	499	518	588	652	836	1370	1780	2220	2580	2840
98	1.02	563	581	666	737	950	1630	2110	2650	2860	3030
99	1.01	629	646	746	826	1070	1920	2480	3110	3130	3200

Table A-2.22. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01451800
Jordan Creek Near Schnecksville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1*	3*	7*	14*	30	60	90	120	183	365
1	100.00	0.30	0.31	0.44	0.56	0.72	1.12	1.45	2.58	11.9	27.6
2	50.00	0.51	0.58	0.72	0.85	1.03	1.60	2.15	3.60	14.9	31.5
5	20.00	1.08	1.16	1.43	1.62	1.71	2.64	3.70	5.79	20.3	38.1
10	10.00	1.68	1.82	2.20	2.40	2.58	4.00	5.78	8.57	26.1	44.7
20	5.00	2.41	2.69	3.05	3.27	4.06	6.37	9.44	13.3	34.5	53.6
50	2.00	4.40	5.20	5.80	7.26	8.60	13.9	21.0	27.9	53.8	73.5
80	1.25	7.50	8.05	9.40	11.6	15.6	26.2	39.4	51.4	75.9	96.5
90	1.11	9.25	9.70	11.8	13.5	20.2	34.8	51.4	67.5	87.5	110
96	1.04	11.0	11.5	15.0	22.0	25.6	45.4	65.4	87.2	99.3	124
98	1.02	12.1	12.5	17.0	25.1	29.3	52.8	74.7	101	106	134
99	1.01	13.2	13.9	19.0	25.4	32.6	59.9	83.1	114	112	142

*Calculated from adjusted probabilities

Table A-2.23. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01452000
Jordan Creek at Allentown, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1*	3*	7*	14*	30	60	90	120	183	365
1	100.00	0.31	0.52	0.85	0.99	1.12	1.70	2.14	3.73	17.0	39.5
2	50.00	0.62	0.97	1.35	1.46	1.58	2.40	3.14	5.20	21.3	45.1
5	20.00	1.48	1.99	2.40	2.49	2.55	3.90	5.37	8.32	29.0	54.5
10	10.00	2.30	2.90	3.45	3.60	3.80	5.83	8.32	12.3	37.4	63.9
20	5.00	3.60	4.10	4.60	4.87	5.90	9.17	13.5	19.1	49.3	76.6
50	2.00	6.60	7.15	8.00	10.9	12.3	19.7	29.9	39.8	76.9	105
80	1.25	10.8	11.1	13.1	16.5	22.3	37.4	56.2	73.4	108	138
90	1.11	13.2	13.8	16.8	18.3	28.9	49.8	73.8	96.4	125	157
96	1.04	15.7	17.0	21.8	28.0	36.8	65.3	93.8	125	142	177
98	1.02	17.1	19.0	25.5	34.0	42.3	76.5	108	145	152	191
99	1.01	18.2	21.0	28.5	35.0	47.3	87.3	120	164	160	203

*Calculated from adjusted probabilities

Table A-2.24. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01453000
Lehigh River at Bethlehem, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	231	276	291	300	309	327	351	431	905	1140
2	50.00	251	292	308	321	336	360	394	482	987	1160
5	20.00	284	319	339	357	383	420	471	573	1120	1440
10	10.00	318	347	370	394	430	483	553	672	1260	1610
20	5.00	365	387	415	445	498	577	675	819	1460	1850
50	2.00	479	490	530	574	663	827	1010	1220	1920	2380
80	1.25	634	643	698	757	896	1220	1530	1860	2550	3010
90	1.11	737	753	816	884	1050	1510	1930	2340	2960	3380
96	1.04	868	900	975	1050	1260	1920	2470	3020	3470	3820
98	1.02	966	1020	1100	1180	1410	2250	2920	3570	3850	4410
99	1.01	1070	1140	1230	1310	1570	2600	3390	4160	4230	4400

Table A-2.25. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01454700
Lehigh River at Glendon, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	271	308	323	334	343	362	388	472	964	1220
2	50.00	291	325	342	357	373	398	434	526	1050	1340
5	20.00	324	354	375	396	423	461	515	623	1190	1520
10	10.00	358	384	410	436	473	529	602	727	1340	1700
20	5.00	407	428	460	493	547	629	732	882	1540	1940
50	2.00	528	541	585	633	725	895	1080	1300	2030	2490
80	1.25	702	712	769	832	972	1310	1640	1980	2690	3160
90	1.11	822	836	899	968	1140	1520	2050	2490	3130	3560
96	1.04	980	1000	1070	1150	1350	2040	2630	3200	3680	4030
98	1.02	1100	1140	1210	1280	1520	2390	3100	3790	4090	4350
99	1.01	1230	1280	1350	1420	1680	2760	3610	4420	4500	4670

Table A-2.26. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01456000
Musconetcong River Near Hackettstown, N.J.

Recurrence Interval (Years)	For Following Number of Consecutive Days									
	1	3	7	14	30	60	90	120	183	365
100.00	5.39	6.16	7.42	7.86	8.82	10.1	11.0	12.7	31.2	44.5
50.00	6.35	7.16	8.44	9.02	10.22	11.8	13.0	15.3	35.9	51.3
20.00	8.06	8.92	10.2	11.1	12.7	14.8	16.8	20.2	44.1	62.8
10.00	9.89	10.8	12.1	13.2	15.3	18.2	21.0	25.6	52.6	74.3
5.00	12.6	13.5	14.9	16.4	19.2	23.2	27.4	34.0	64.4	89.8
2.00	19.4	20.5	22.2	24.5	29.2	37.0	45.2	56.7	92.5	124
1.25	29.1	30.3	32.9	36.3	43.8	58.9	73.8	91.7	128	162
1.11	35.5	36.8	40.4	44.4	53.8	75.1	94.8	116	150	183
1.04	43.4	45.1	50.3	54.9	66.7	97.1	124	149	176	205
1.02	49.3	51.2	57.9	62.8	76.5	115	146	173	193	220
1.01	55.0	57.2	65.7	70.9	86.3	133	170	198	210	233

Table A-2.27. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01457500
Delaware River at Riegelsville, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	300*	454	600*	690*	790*	880*	1100*	1500*	4480	5630
2	50.00	360*	579	780*	880*	980*	1100*	1300*	1750*	4920	6200
5	20.00	602	806	1020*	1110*	1160*	1360*	1700*	2200*	5660	7130
10	10.00	907	1040	1180*	1290*	1400*	1700*	2150*	2730*	6380	8010
20	5.00	1220*	1300*	1450*	1590*	1680*	2270	2680*	3400*	7360	9160
50	2.00	1700*	1800*	2090	2270	2590	3360	4150	5210	9530	11600
80	1.25	2220*	2550*	2880	3180	3800	5140	6400	7910	12200	14200
90	1.11	2520	2980	3470	3850	4740	6500	8080	9850	13700	15600
96	1.04	2540	3210	4100*	4770	6100	8400	10400	12500	15600	17200
98	1.02	2550	3330	4700*	5510	7250	10000*	12300	14500	16800	18200
99	1.01	2560*	3410	5300*	6310	8530	11700*	14300	16700	18000	19100

*Recalculated

Table A-2.28. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01459500
Tohickon Creek at Pipersville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1*	3*	7	14	30	60	90	120	183	365
1	100.00	0.08	0.27	0.572	0.639	0.709	0.90	1.25	2.06	14.1	50.3
2	50.00	0.10	0.40	0.659	0.741	0.877	1.20	1.72	3.00	18.5	57.6
5	20.00	0.27	0.64	0.826	0.938	1.21	1.83	2.78	5.12	27.1	70.3
10	10.00	0.62	0.84	1.02	1.18	1.62	2.67	4.25	8.06	37.1	83.2
20	5.00	0.95	1.15	1.35	1.58	2.33	4.22	7.06	13.6	52.5	101
50	2.00	1.74	2.05	2.40	2.94	4.74	10.1	18.4	33.8	93.0	143
80	1.25	3.15	3.65	4.61	5.99	9.90	24.1	47.2	75.5	147	195
90	1.11	4.45	5.00	6.68	9.01	14.7	38.0	76.6	110	179	226
96	1.04	6.40	7.25	10.2	14.3	22.6	61.7	128	161	214	262
98	1.02	9.20	9.30	13.5	19.6	29.9	84.2	177	201	237	287
99	1.01	9.80	11.0	17.6	26.3	38.7	112	238	244	257	310

*Calculated from adjusted probabilities

Table A-2.29. Natural Low Flow Frequency Table

(Flow in cfs)

USGS Station 01463500
Delaware River at Trenton, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	703	796	907	985	1090	1160	1290	1640	4490	5720
2	50.00	794	889	999	1080	1190	1310	1490	1890	4970	6330
5	20.00	950	1050	1160	1250	1380	1580	1840	2340	5760	7330
10	10.00	1110	1210	1320	1430	1580	1870	2220	2820	6540	8280
20	5.00	1330	1430	1550	1680	1880	2310	2790	3540	7590	9510
50	2.00	1860	1960	2140	2330	2680	3490	4330	5440	9930	12100
80	1.25	2530	2670	2960	3290	3960	5350	6730	8330	12700	14900
90	1.11	2950	3120	3530	3970	4920	6740	8490	10400	14400	16400
96	1.04	3460	3680	4270	4870	6280	8650	10900	13300	16300	18000
98	1.02	3820	4080	4840	5590	7400	10200	12700	15300	17600	19000
99	1.01	4160	4480	5420	6330	8600	11800	14700	17500	18900	19900

Table A-2.30. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01467500
Schuylkill River at Pottsville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	9.97	10.8	11.9	12.8	14.5	15.5	17.1	18.7	35.6	47.6
2	50.00	10.8	11.7	12.8	13.7	15.5	16.9	19.1	21.2	39.2	51.8
5	20.00	12.2	13.2	14.3	15.2	17.3	19.4	22.2	25.4	45.3	58.7
10	10.00	13.7	14.7	15.9	16.8	19.1	21.9	25.6	29.9	51.3	65.4
20	5.00	15.7	16.8	18.0	19.0	21.8	25.6	30.5	36.2	59.4	74.4
50	2.00	20.4	21.6	23.3	24.7	28.4	35.0	42.8	52.1	77.9	94.1
80	1.25	26.6	28.1	30.6	32.9	38.2	49.0	60.8	74.7	101	118
90	1.11	30.6	32.4	35.5	38.7	45.1	59.1	73.3	89.8	115	132
96	1.04	35.6	37.6	41.8	46.3	54.3	72.5	89.7	109	131	148
98	1.02	39.4	41.5	46.6	52.2	61.5	83.1	102	124	142	159
99	1.01	43.1	45.4	51.6	58.4	69.0	94.3	115	139	153	169

Table A-2.31. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01457950
West Branch Schuylkill River at Cressona, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	8.52	9.55	10.8	11.1	12.1	13.8	14.9	17.6	28.1	38.0
2	50.00	9.56	10.6	11.7	12.1	13.2	15.1	16.6	19.6	31.6	42.2
5	20.00	11.2	12.2	13.3	13.8	15.1	17.4	19.5	23.0	37.3	48.9
10	10.00	12.9	13.8	14.8	15.5	17.0	19.8	22.5	26.6	42.9	55.2
20	5.00	15.1	15.9	16.9	17.8	19.6	23.2	26.9	31.7	50.3	63.4
50	2.00	19.7	20.3	21.5	22.9	25.9	31.4	37.7	44.3	66.2	80.0
80	1.25	24.8	25.3	27.0	29.1	34.3	42.8	52.8	62.3	84.0	97.4
90	1.11	27.6	28.0	30.4	32.8	39.7	50.5	63.0	74.5	93.9	106
96	1.04	30.6	31.0	34.3	37.2	46.5	60.3	76.1	90.2	105	116
98	1.02	32.5	33.0	37.0	40.3	51.5	67.7	86.0	102	112	122
99	1.01	34.2	34.8	39.6	43.2	56.5	75.2	96.0	114	118	127

Table A-2.32. Natural Low Flow Frequency Table

(Flow in cfs)

USGS Station 01468500
Schuylkill River at Landingville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	18.5	19.9	20.7	22.3	26.2	30.7	35.1	41.5	87.9	126
2	50.00	20.5	21.9	22.9	24.7	29.0	34.2	39.7	47.4	97.1	136
5	20.00	23.9	25.5	26.8	28.9	34.0	40.5	48.0	57.8	112	152
10	10.00	27.5	29.1	30.8	33.3	39.2	47.2	56.8	68.9	128	167
20	5.00	32.6	34.3	36.6	39.6	46.7	57.1	69.8	85.1	148	188
50	2.00	45.3	47.4	51.2	55.6	66.2	83.3	104	127	196	235
80	1.25	63.2	66.0	72.2	79.2	95.3	124	155	189	255	294
90	1.11	75.4	78.7	86.8	95.6	116	153	192	232	291	330
96	1.04	91.2	95.2	106	117	144	194	241	289	334	372
98	1.02	103	108	120	134	165	227	280	332	364	403
99	1.01	115	121	136	152	188	261	320	376	393	432

Table A-2.33. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01469500
Little Schuylkill River at Tamaqua, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	2.51	2.70	3.01	3.39	4.11	4.55	5.29	7.01	23.4	34.6
2	50.00	2.88	3.09	3.42	3.83	4.65	5.32	6.35	8.42	26.2	38.2
5	20.00	3.53	3.78	4.18	4.63	5.65	6.74	8.35	11.1	31.1	44.3
10	10.00	4.25	4.53	5.00	5.50	6.75	8.36	10.6	14.1	36.1	50.5
20	5.00	5.32	5.66	6.22	6.83	8.45	10.9	14.3	18.9	43.2	58.9
50	2.00	8.23	8.69	9.56	10.5	13.3	18.2	24.9	32.8	60.5	78.4
80	1.25	12.8	13.4	14.9	16.6	21.7	31.1	43.5	56.8	84.2	103
90	1.11	16.2	16.9	18.8	21.3	28.4	41.3	58.2	75.5	99.7	119
96	1.04	20.9	21.7	24.3	28.1	38.2	56.3	79.4	102	119	137
98	1.02	24.6	25.5	28.7	33.6	46.6	69.0	96.9	124	134	150
99	1.01	28.6	29.6	33.4	39.7	55.9	82.9	116	148	154*	163

*Recalculated

Table A-2.34. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470000
Little Schuylkill River at Drenersville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	19.5	20.6	22.0	24.1	28.6	30.7	33.3	39.1	82.5	118
2	50.00	21.4	22.6	24.1	26.3	31.0	34.0	37.7	44.7	91.4	127
5	20.00	24.8	26.0	27.8	30.1	35.3	39.9	45.4	54.5	106	142
10	10.00	28.3	29.6	31.6	34.1	39.8	46.2	53.7	64.9	121	157
20	5.00	33.2	34.6	37.0	39.7	46.5	55.4	65.9	80.2	140	177
50	2.00	45.4	47.1	50.5	54.3	64.0	79.8	98.2	120	184	220
80	1.25	62.5	64.8	69.6	75.7	91.1	118	147	178	236	272
90	1.11	74.1	76.8	82.8	90.9	111	145	183	218	267	303
96	1.04	89.0	92.3	99.8	111	139	183	230	271	303	339
98	1.02	100	104	133	127	161	214	268	311	327	364
99	1.01	112	116	126	144	185	247	307	353	370*	388

*Recalculated

Table A-2.35. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470500
Schuylkill River at Berne, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	36.2	44.3	48.5	52.2	63.0	74.1	79.9	96.6	219	321
2	50.00	41.9	49.8	54.5	58.6	70.3	82.7	91.4	111	244	350
5	20.00	51.7	59.1	64.6	69.5	82.8	97.7	112	136	285	398
10	10.00	61.8	68.7	75.0	80.8	95.7	114	134	163	327	445
20	5.00	76.0	82.1	89.4	96.7	114	137	167	204	384	508
50	2.00	110	114	124	135	159	199	254	314	517	650
80	1.25	153	156	169	187	222	295	389	483	686	825
90	1.11	179	183	197	220	264	365	486	606	791	932
96	1.04	210	216	232	262	317	461	617	772	915	1060
98	1.02	231	240	257	293	357	537	720	904	1000	1150
99	1.01	251	264	281	323	397	618	828	1040	1090	1230

Table A-2.36. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470756
Maiden Creek at Virginville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	7.40	8.32	9.83	10.1	11.8	13.7	15.8	20.9	46.6	77.3
2	50.00	8.58	9.55	11.0	11.4	13.3	15.8	18.5	24.3	54.5	87.9
5	20.00	10.6	11.7	13.1	13.8	16.0	19.6	23.4	30.6	68.4	106
10	10.00	12.7	13.8	15.3	16.2	18.8	23.7	29.0	37.7	82.8	124
20	5.00	15.6	16.8	18.3	19.7	23.0	29.8	37.5	48.6	103	148
50	2.00	22.4	23.6	25.7	28.2	34.2	46.5	61.5	79.8	152	204
80	1.25	30.7	32.0	35.7	40.1	51.5	72.8	102	132	213	270
90	1.11	35.7	37.0	42.2	47.9	64.1	92.2	132	173	250	310
96	1.04	41.4	42.7	50.3	57.7	81.3	119	175	232	292	354
98	1.02	45.2	46.6	56.2	65.0	95.0	140	211	280	321	385
99	1.01	48.8	50.2	62.1	72.2	110	162	249	333	349	413

Table A-2.37. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470960
Tulpehocken Creek at Blue Marsh Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	23.4	25.4	27.9	28.3	30.8	34.3	39.4	48.3	80.5	115
2	50.00	25.6	27.7	30.2	31.1	33.7	38.1	44.1	53.7	90.0	127
5	20.00	29.2	31.6	34.2	35.7	38.8	44.6	52.4	63.1	106	146
10	10.00	32.9	35.5	38.1	40.3	44.0	51.5	61.2	73.1	122	165
20	5.00	37.9	40.7	43.6	46.6	51.4	61.3	74.0	87.7	144	189
50	2.00	49.7	52.7	56.6	61.3	69.8	86.4	107	126	194	242
80	1.25	64.9	67.8	73.8	80.3	95.7	123	155	184	256	303
90	1.11	74.6	77.2	84.9	92.3	113	148	189	227	294	337
96	1.04	86.5	88.4	98.8	107	136	182	234	284	338	375
98	1.02	95.1	96.4	109	117	154	208	269	329	369	401
99	1.01	104	108*	119	128	172	234	305	377	398	424

*Recalculated

Table A-2.38. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01471000
Tulpehocken Creek at Reading, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	28.2	30.6	33.6	34.1	37.1	41.3	47.4	58.3	97.0	139
2	50.00	30.9	33.4	36.4	37.5	40.7	45.8	53.2	64.8	108	153
5	20.00	35.3	38.1	41.2	43.0	46.7	53.7	63.2	76.1	128	176
10	10.00	39.7	42.8	46.0	48.5	53.0	62.0	73.8	88.1	147	199
20	5.00	45.7	49.1	52.6	56.1	61.9	73.9	89.1	106	173	228
50	2.00	59.9	63.6	68.2	73.9	84.0	104	129	152	234	292
80	1.25	78.3	81.8	89.0	96.8	115	148	187	222	309	365
90	1.11	90.1	93.0	102	111	137	179	228	273	354	406
96	1.04	104	107	119	129	164	219	282	342	407	452
98	1.02	115	115	132	142	186	250	324	396	444	483
99	1.01	125	126	144	154	207	282	368	454	480	511

Table A-2.39. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01471500
Schuylkill River at Reading, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	78.0	87.6	100	105	120	139	156	201	409	618
2	50.00	89.8	100	112	118	135	158	180	231	469	694
5	20.00	110	120	133	141	160	191	223	284	570	820
10	10.00	130	141	154	164	187	226	270	341	573	943
20	5.00	159	169	184	197	225	278	340	427	815	1110
50	2.00	223	233	251	273	321	414	529	662	1140	1470
80	1.25	300	310	337	370	461	620	826	1030	1530	1870
90	1.11	344	354	389	430	556	768	1040	1310	1770	2100
"	1.04	395	404	452	502	681	965	1340	1690	2030	2350
"	1.02	429	438	495	552	777	1120	1570	1990	2210	2520
"	1.01	460	470	537	601	874	1280	1810	2310	2380	2670

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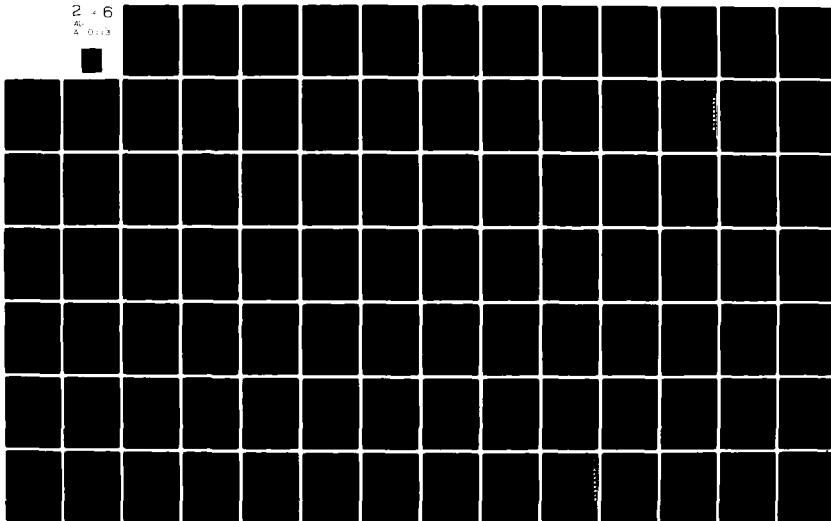
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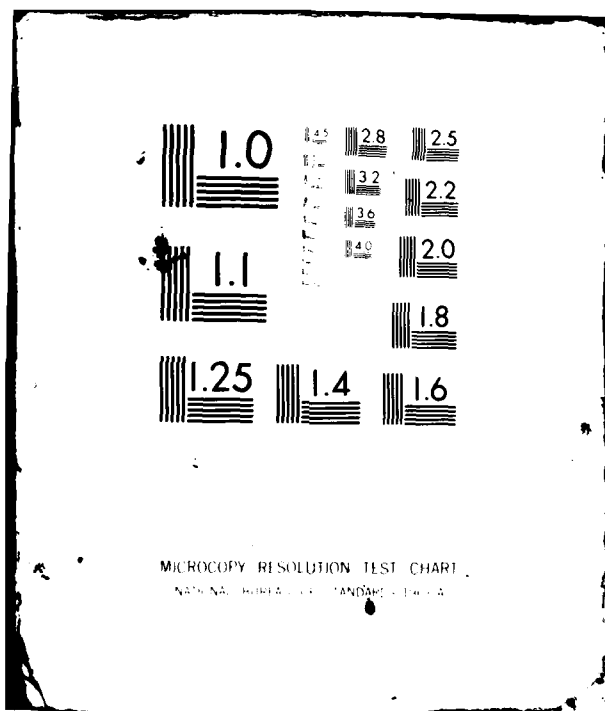


Table A-2.40. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01472000
Schuylkill River at Pottstown, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	139	154	174	178	202	230	254	314	586	838
2	50.00	157	172	192	198	224	257	288	356	661	931
5	20.00	188	203	222	232	260	304	348	428	786	1080
10	10.00	218	233	252	265	298	353	413	505	912	1230
20	5.00	258	273	293	311	351	424	507	619	1080	1420
50	2.00	348	363	388	418	484	606	752	915	1480	1840
80	1.25	455	467	507	553	570	871	1120	1360	1940	2310
90	1.11	516	528	581	636	795	1060	1380	1680	2210	2580
96	1.04	584	596	669	736	956	1300	1720	2110	2520	2870
98	1.02	630	641	731	806	1080	1490	1990	2440	2740	3060
99	1.01	672	683	792	874	1200	1680	2270	2790	2940	3230

Table A-2.41. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01473000
Perkiomen Creek at Graterford, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	5.51	8.78	11.3	13.0	16.2	24.1	32.9	35.8	72.8	165
2	50.00	6.95	10.4	12.9	14.6	18.3	26.6	35.9	40.8	86.3	182
5	20.00	9.64	13.2	15.7	17.6	22.0	31.3	41.5	49.9	110	211
10	10.00	12.6	16.2	18.6	20.8	26.1	36.5	48.0	60.3	135	240
20	5.00	17.1	20.5	22.9	25.5	32.0	44.5	58.4	76.5	171	279
50	2.00	28.3	31.0	34.0	37.9	47.7	67.6	90.5	124	259	367
80	1.25	42.7	44.7	50.1	57.1	71.7	109	153	210	374	475
90	1.11	51.3	53.1	61.2	71.0	89.0	143	210	281	445	541
96	1.04	60.8	63.0	75.8	89.8	113	194	303	389	528	617
98	1.02	67.0	69.8	86.9	105	313	239	390	483	586	670
99	1.01	72.6	76.2	98.2	120	150	291	495	590	640	721

Table A-2.42. Natural Low Flow Frequency Table
(Flow in cfs)

USGS Station 01474500
Schuylkill River at Philadelphia, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	210	226	243	245	263	304	350	449	845	1250
2	50.00	230	246	265	271	294	345	402	508	955	1390
5	20.00	263	281	303	314	347	416	493	614	1140	1620
10	10.00	297	316	342	359	402	492	591	729	1330	1850
20	5.00	344	365	396	421	480	602	734	898	1600	2160
50	2.00	456	481	527	574	677	884	1110	1350	2210	2820
80	1.25	606	634	704	784	954	1290	1670	2050	2990	3580
90	1.11	704	734	820	923	1140	1580	2060	2560	3470	4000
96	1.04	826	858	968	1100	1390	1950	2570	3250	4040	4480
98	1.02	917	949	1080	1230	1570	2230	2970	3800	4440	4790
99	1.01	1010	1040	1190	1360	1760	2520	3380	4380	4820	5070

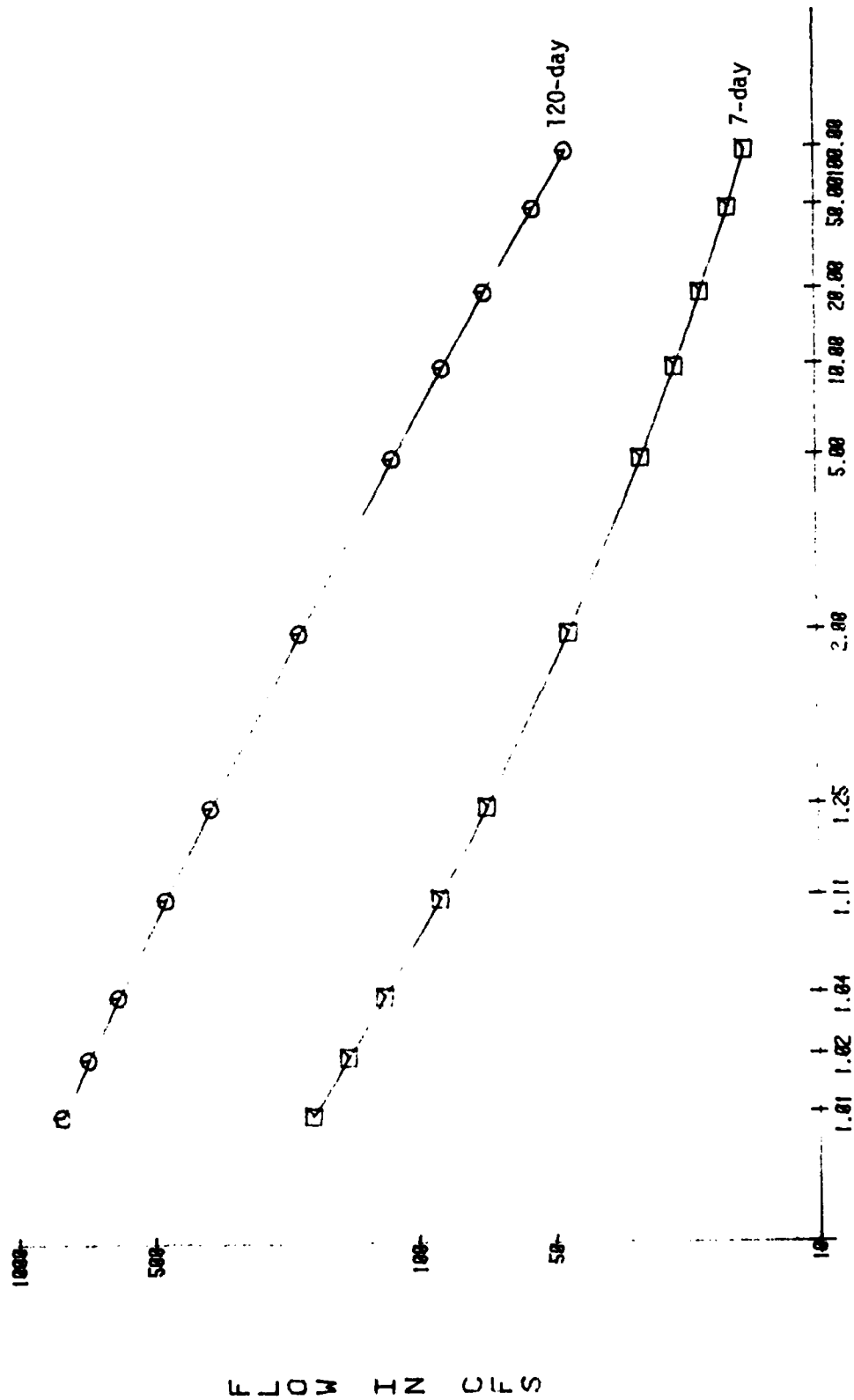
Table A-2.43. Natural Low Flow Frequency Table
(Flow in cfs)
Delaware River Below Schuylkill Confluence

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1270	1310	1440	1550	1660	1820	2140	2680	6160	8110
2	50.00	1400	1450	1580	1690	1830	2050	2430	3030	6810	8940
5	20.00	1620	1680	1810	1940	2120	2460	2940	3650	7910	10300
10	10.00	1840	1910	2040	2190	2430	2890	3480	4320	8990	11600
20	5.00	2150	2230	2380	2560	2880	3530	4290	5300	10400	13200
50	2.00	2850	2970	3200	3500	4050	5220	6450	7890	13700	16800
80	1.25	3740	3910	4340	4850	5830	7790	9790	11900	17800	20600
90	1.11	4300	4500	5110	5800	7120	9640	12200	14700	20200	22700
96	1.04	4960	5210	6100	7060	8870	12100	15600	18600	23000	25000
98	1.02	5440	5710	6850	8040	10300	14100	18200	21700	25000	26500
99	1.01	5910	6210	7610	9060	11700	16200	21000	24900	26800	27800

Table A-2.44. Natural Low Flow Frequency Table
(Flow in cfs)

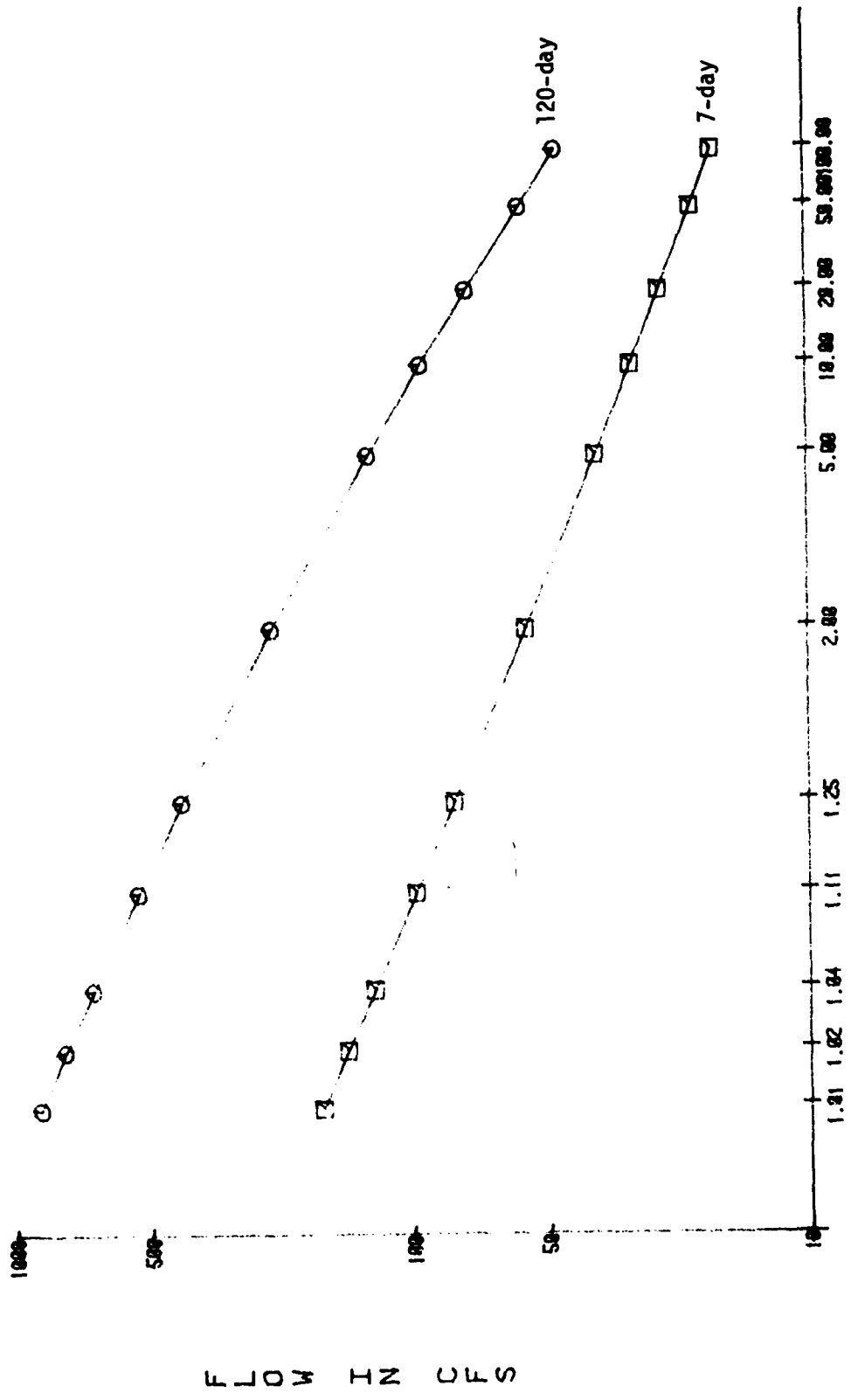
Delaware River at Delaware Memorial Bridge

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1420	1470	1620	1730	1850	2070	2450	3060	6710	8850
2	50.00	1570	1630	1780	1890	2040	2330	2770	3450	7420	9730
5	20.00	1830	1890	2040	2180	2380	2780	3340	4130	8600	11200
10	10.00	2080	2160	2300	2470	2730	3270	3940	4860	9780	12500
20	5.00	2430	2520	2680	2890	3250	3980	4840	5930	11400	14300
50	2.00	3230	3360	3610	3950	4590	5840	7210	8770	15000	18100
80	1.25	4240	4420	4920	5470	6590	8670	10900	13100	19400	22300
90	1.11	4850	5070	5810	6530	8020	10700	13500	16200	22000	24600
96	1.04	5590	5850	6950	7930	9950	13500	17100	20400	25100	24720
98	1.02	6110	6410	7830	9010	11500	15600	20000	23800	27300	28800
99	1.01	6600	6950	8720	10100	13100	17900	23000	27300	29300	30300

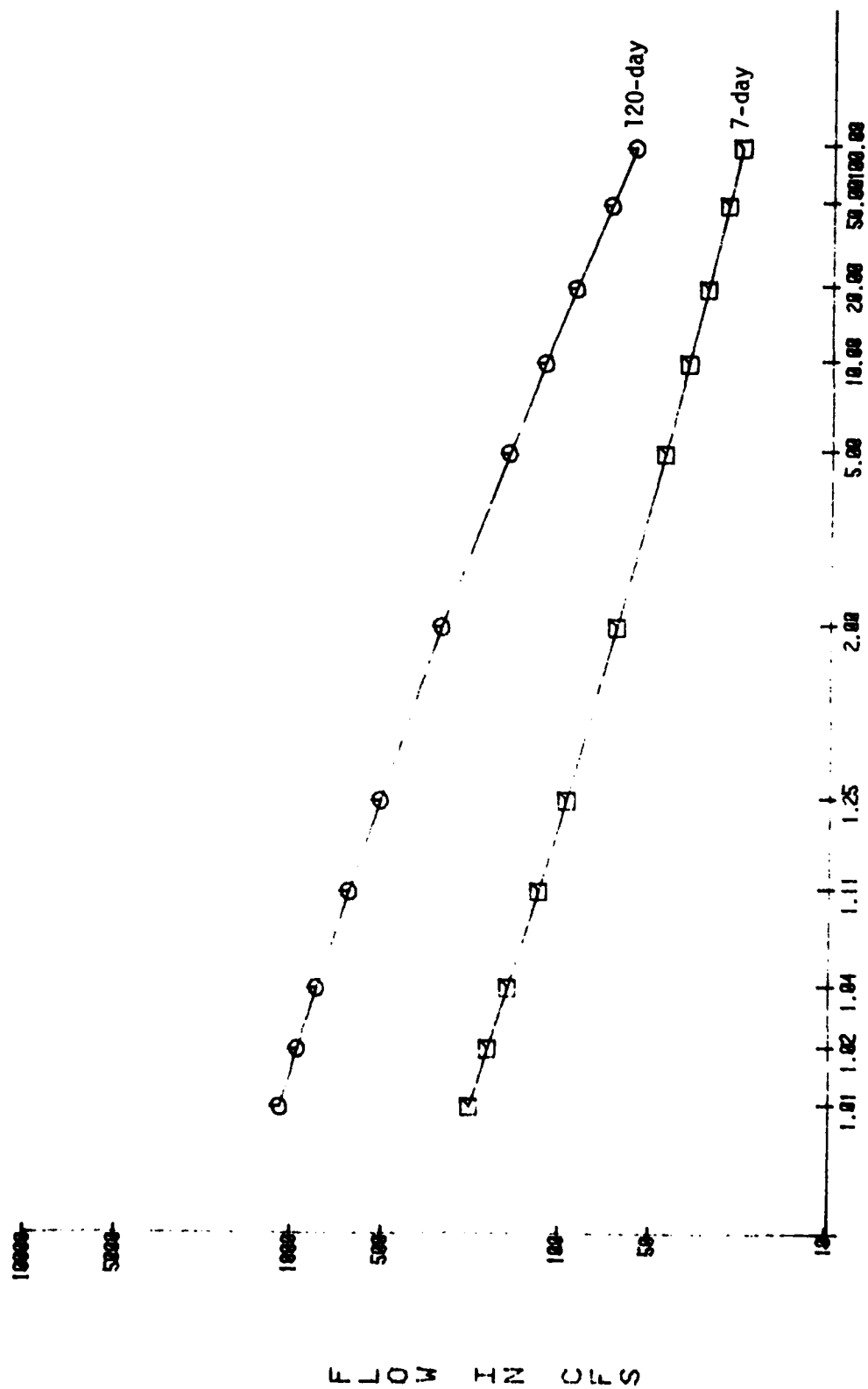


RECURRENCE INTERVAL IN YEARS

Figure A-45. Natural Low Flow Frequency Curves for
01417000, East Branch Delaware River at Downsview, N.Y.

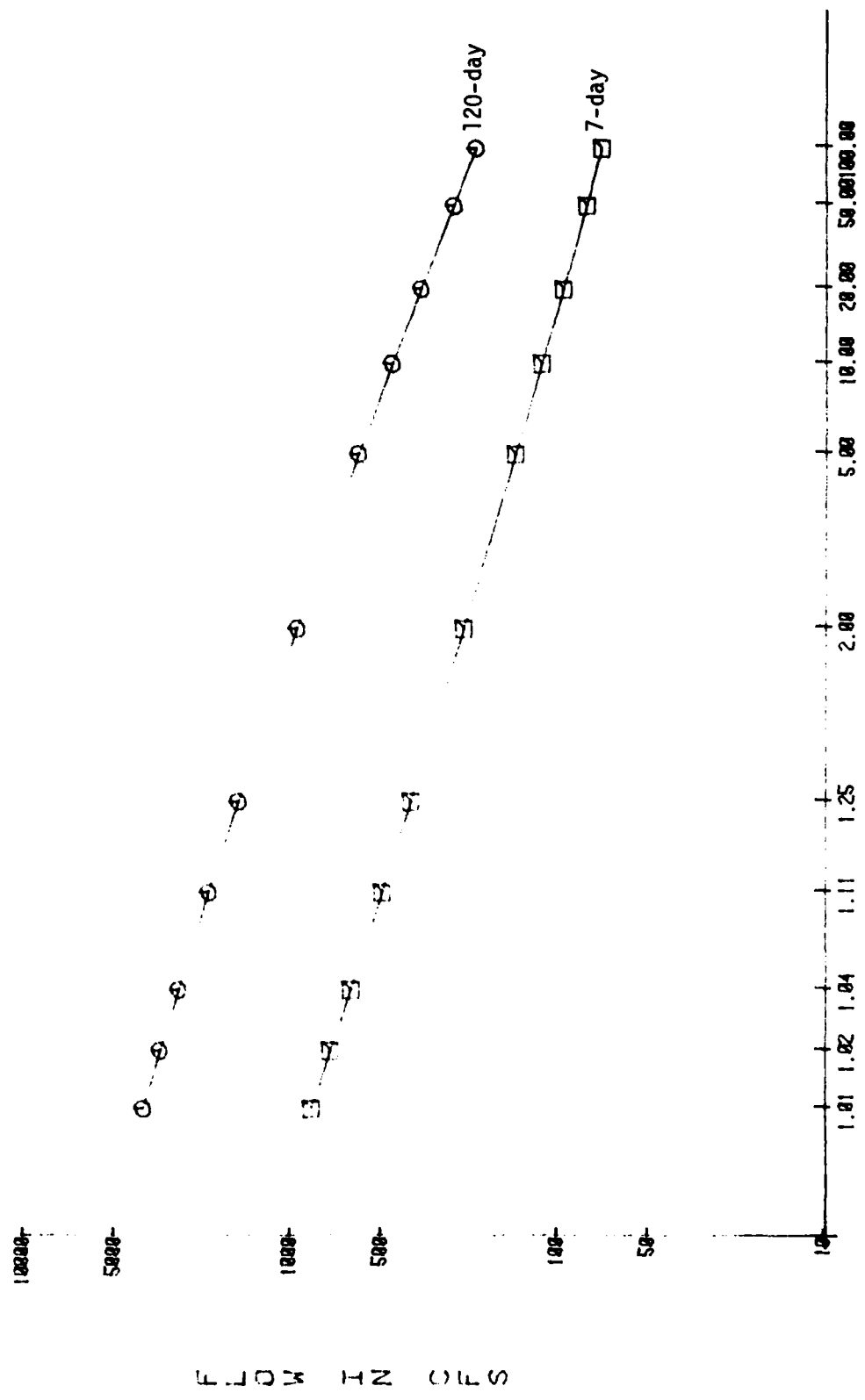


RECURRENCE INTERVAL IN YEARS
 Figure A-46. Natural Low Flow Frequency Curves for
 01725000, West Branch Delaware River at Stilesville, N.Y.



RECURRENCE INTERVAL IN YEARS

Figure A-47. Natural Low Flow Frequency Curves for
01426500, West Branch Delaware River at Hale Eddy, N.Y.



RECURRENCE INTERVAL IN YEARS

Figure A-48. Natural Low Flow Frequency Curves for
01427405, Delaware River near Callicoon, N.Y.

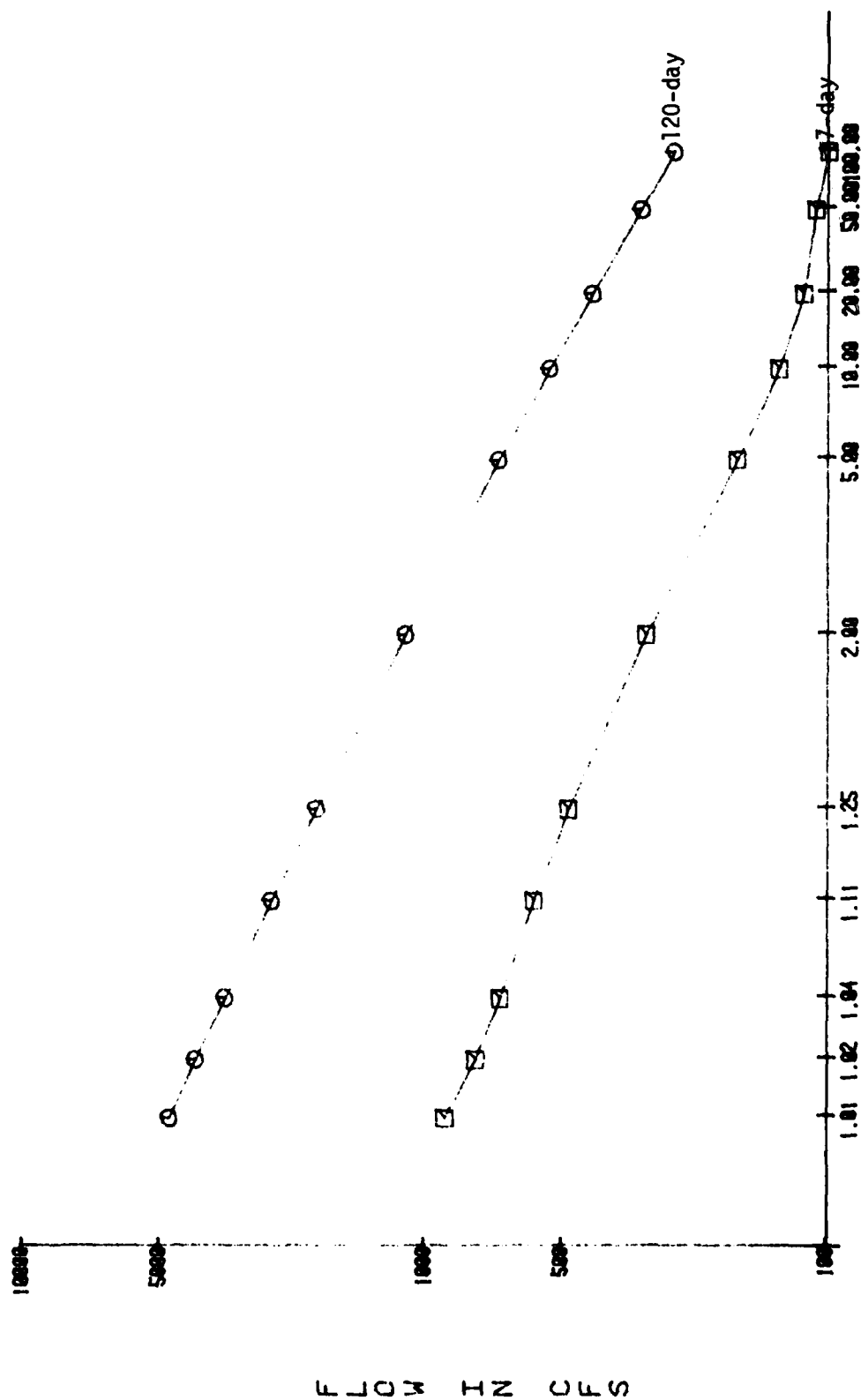


Figure A-49. Natural Low Flow Frequency Curves for
01428500, Delaware River near Barryville, N.Y.

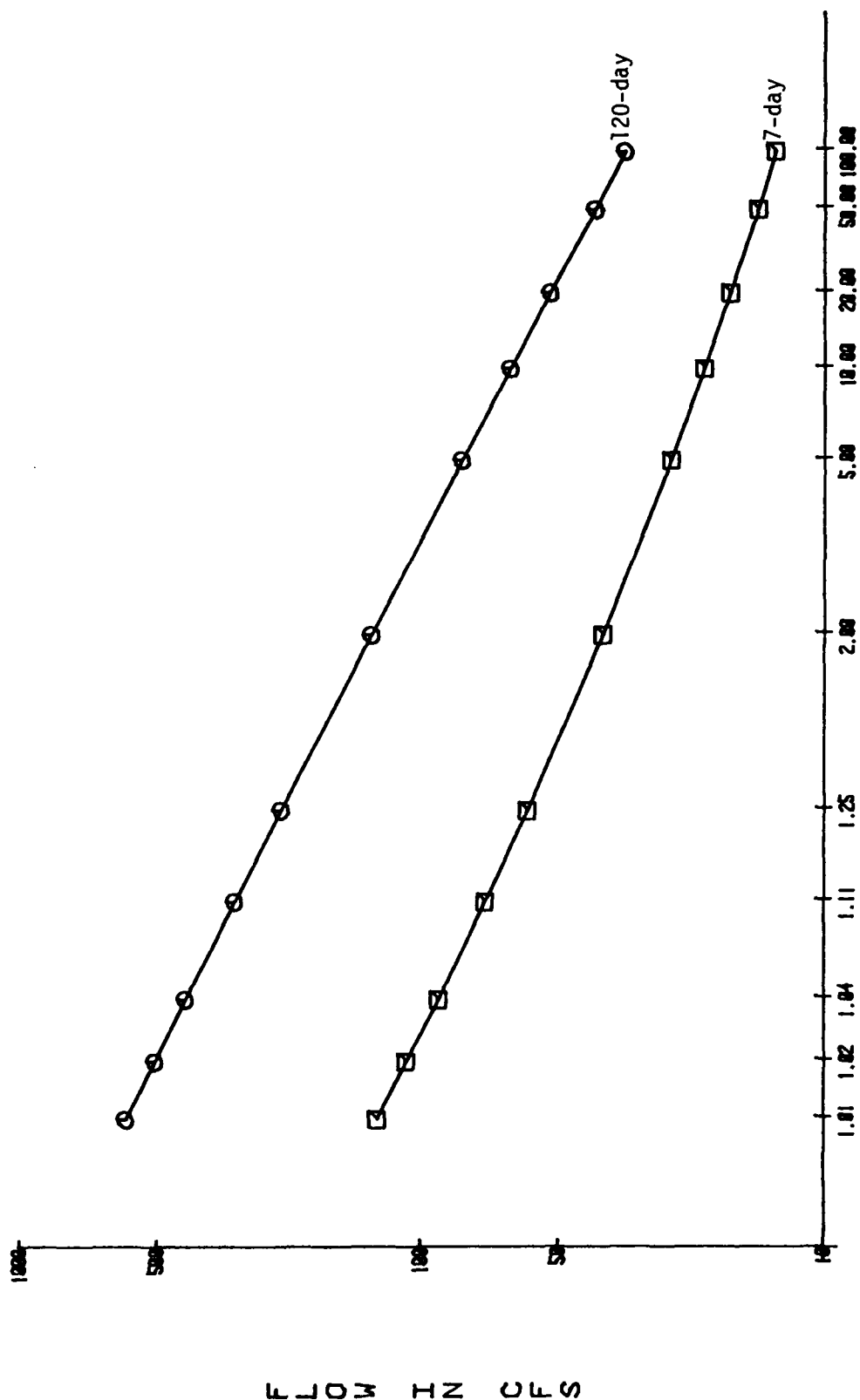


Figure A-50. Natural Low Flow Frequency Curves for
01431500, Lackawaxen River at Hawley, PA.

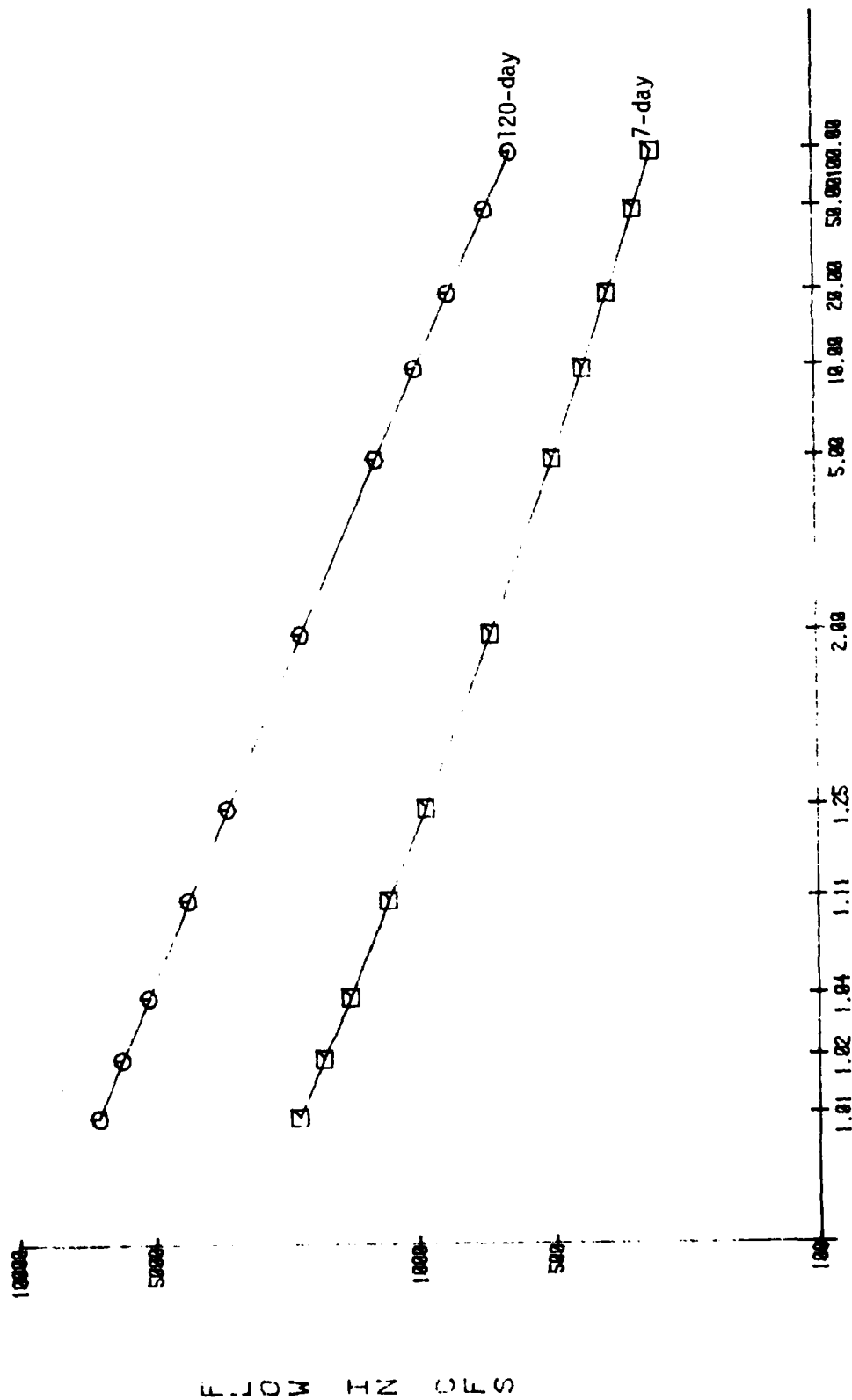


Figure A-51. Natural Low Flow Frequency Curves for
01434000, Delaware River at Port Jervis, N.Y.

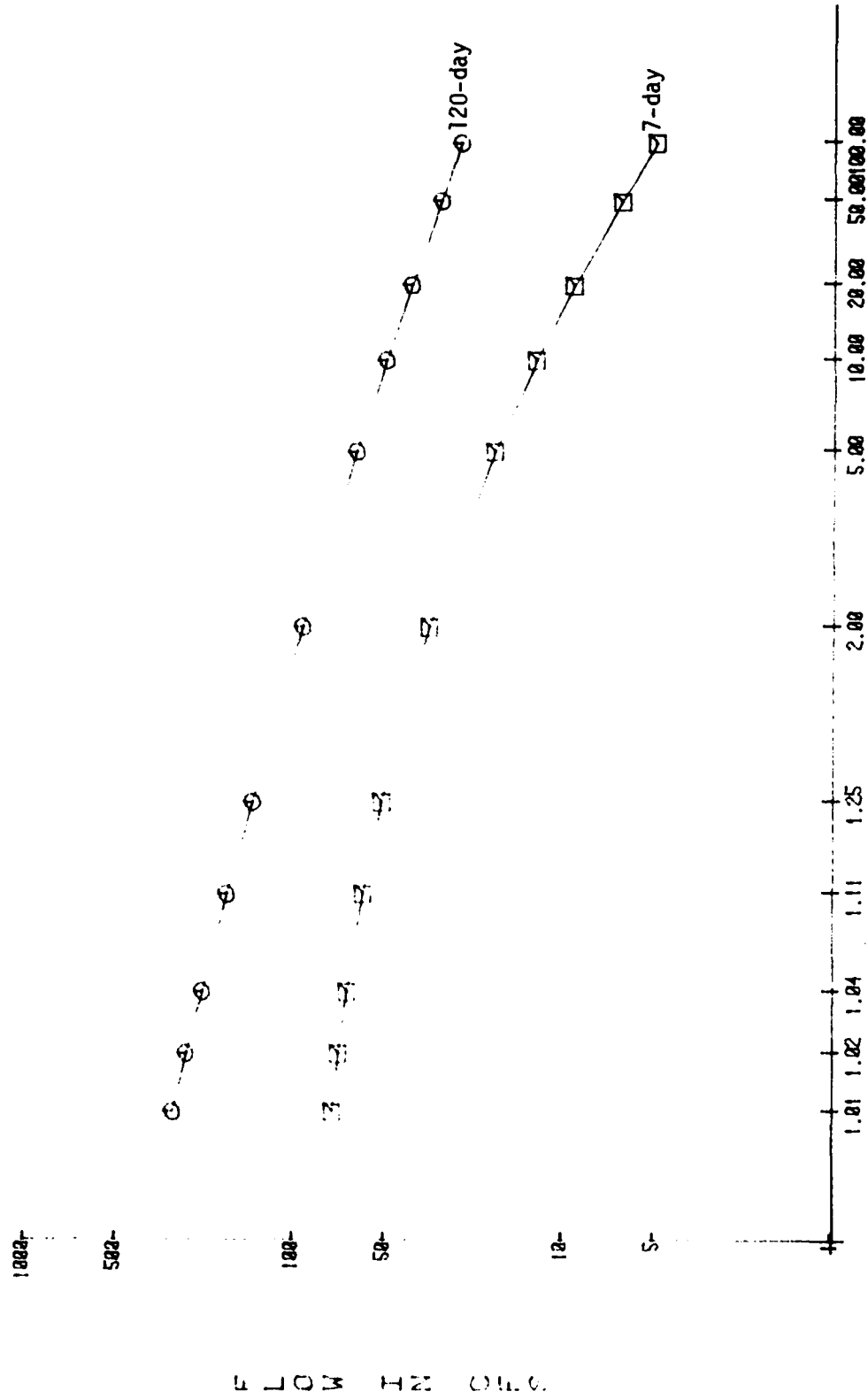


Figure A-52. Natural Low Flow Frequency Curves for
01436000, Neversink River at Neversink, N.Y.

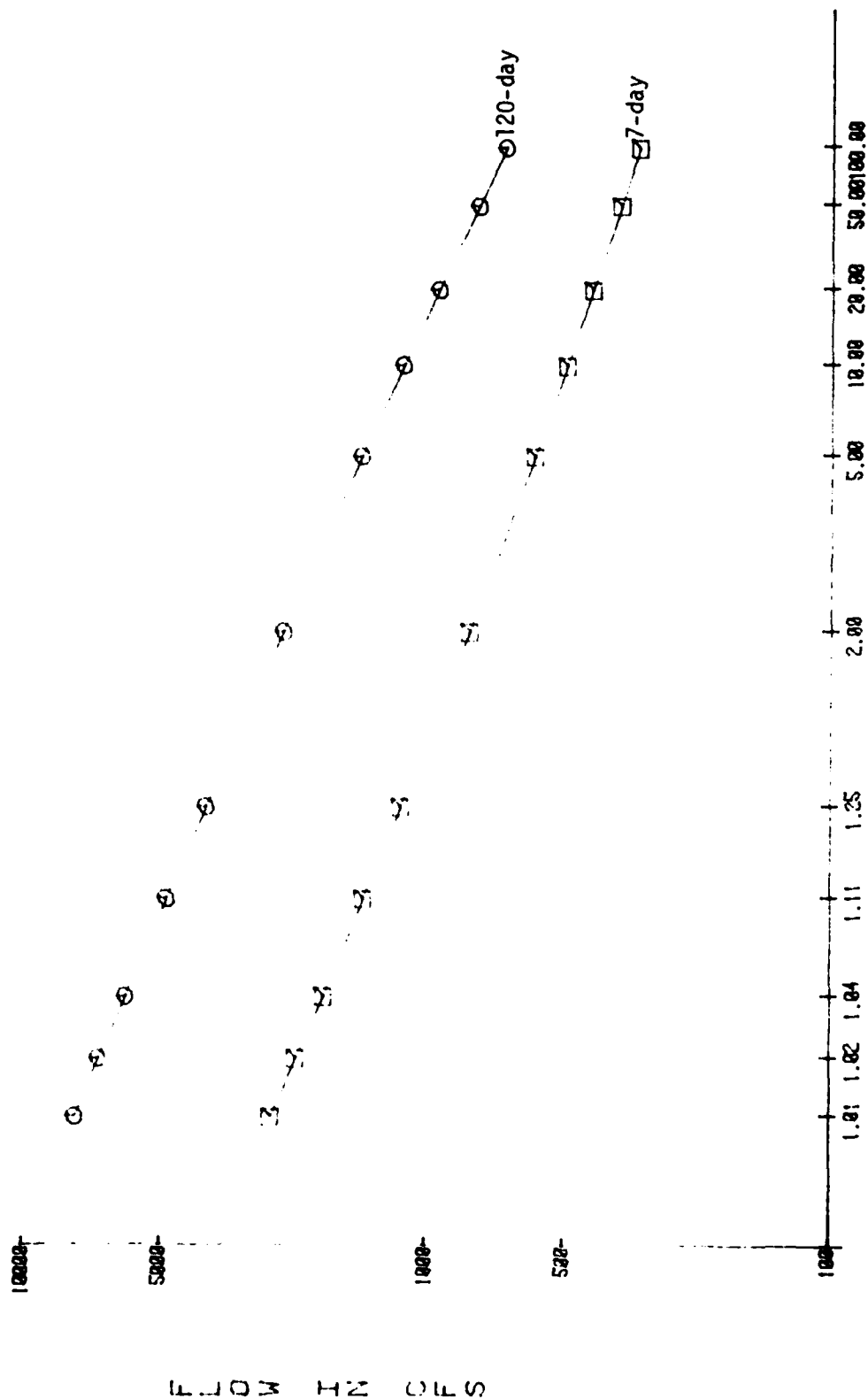
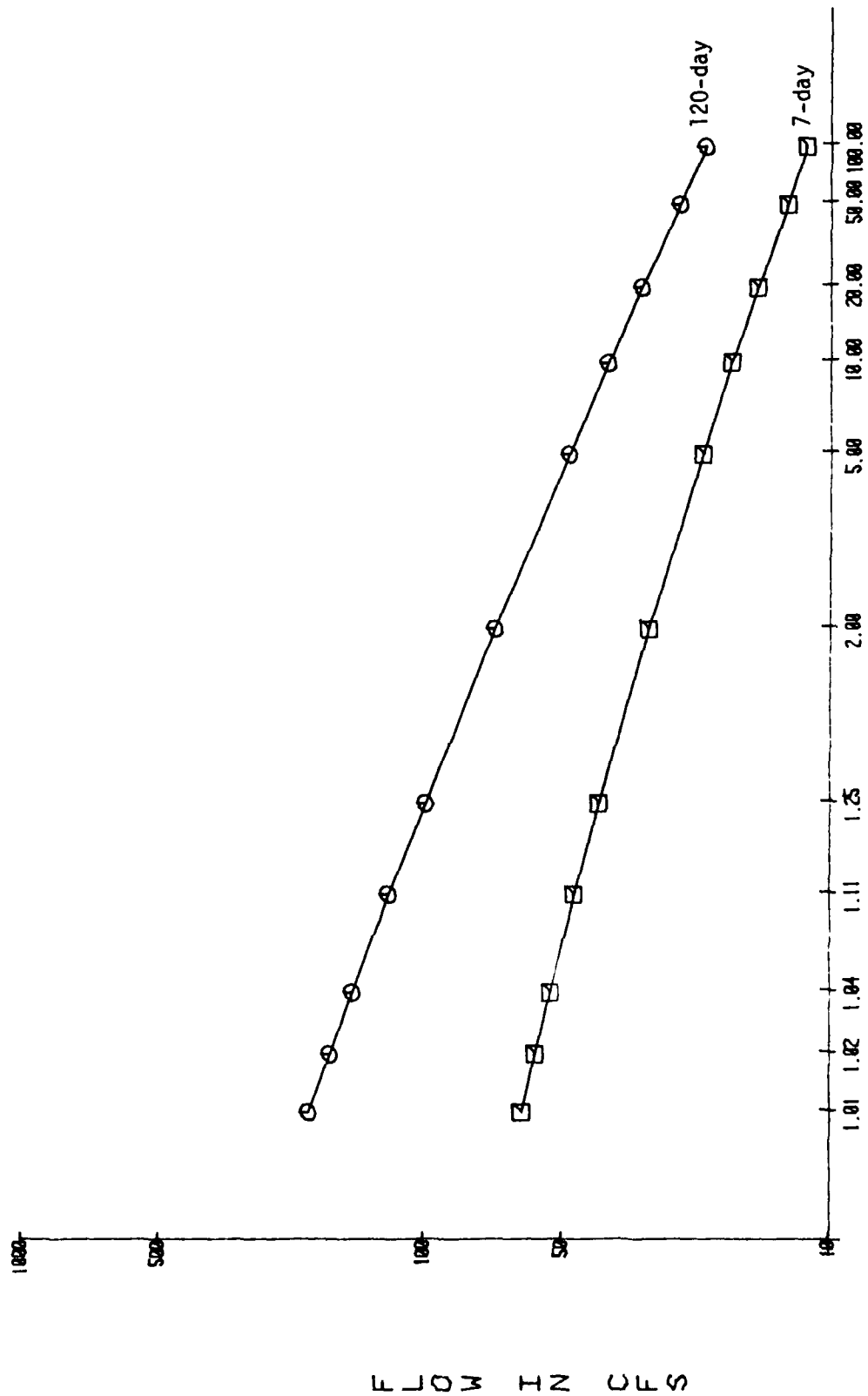


Figure A-53. Natural Low Flow Frequency Curves for
01438500, Delaware River at Montague, N.J.



RECURRENCE INTERVAL IN YEARS

Figure A-54. Natural Low Flow Frequency Curves for
01449800, Pohopoco Creek at Beltzville Damsite, PA.

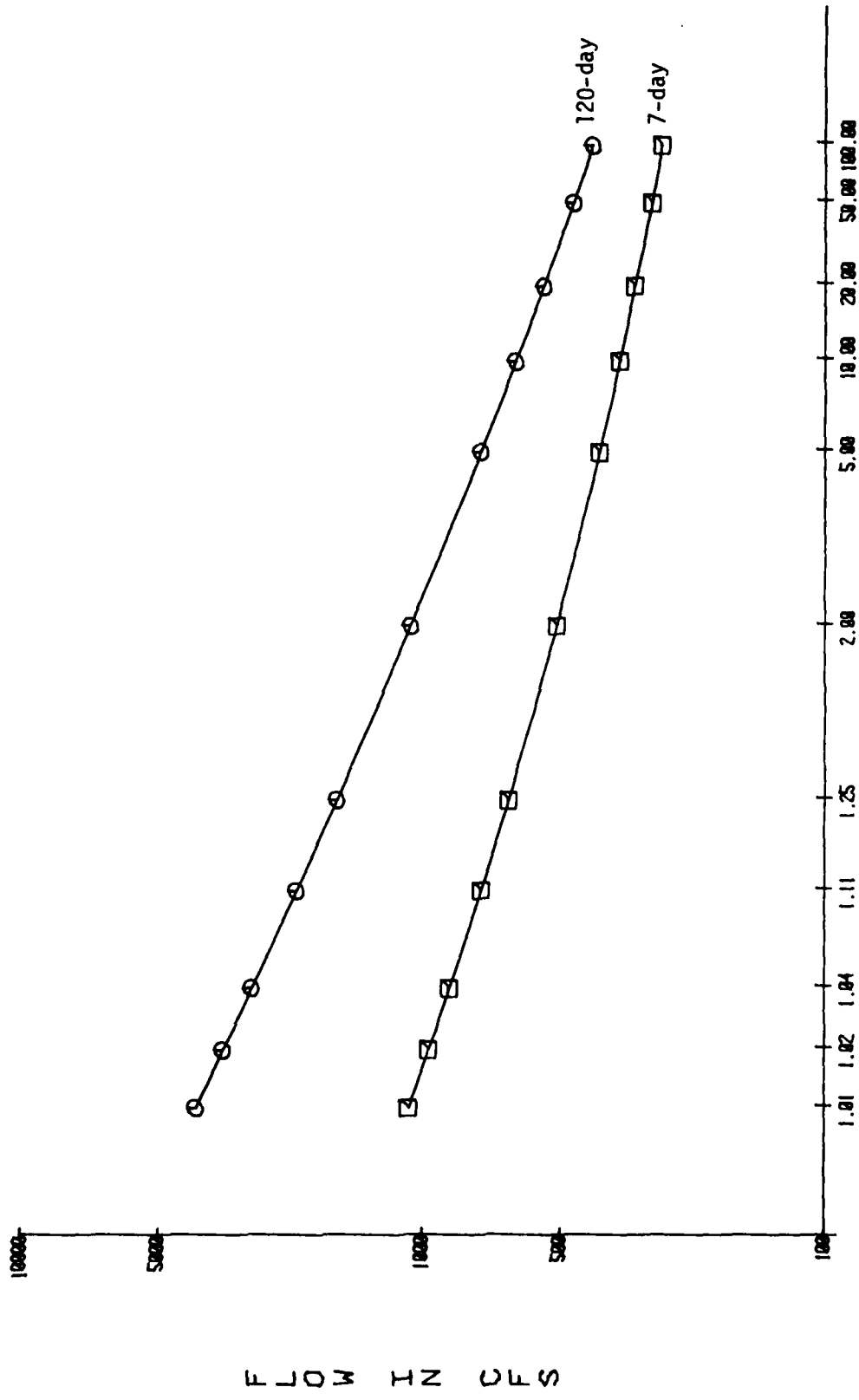
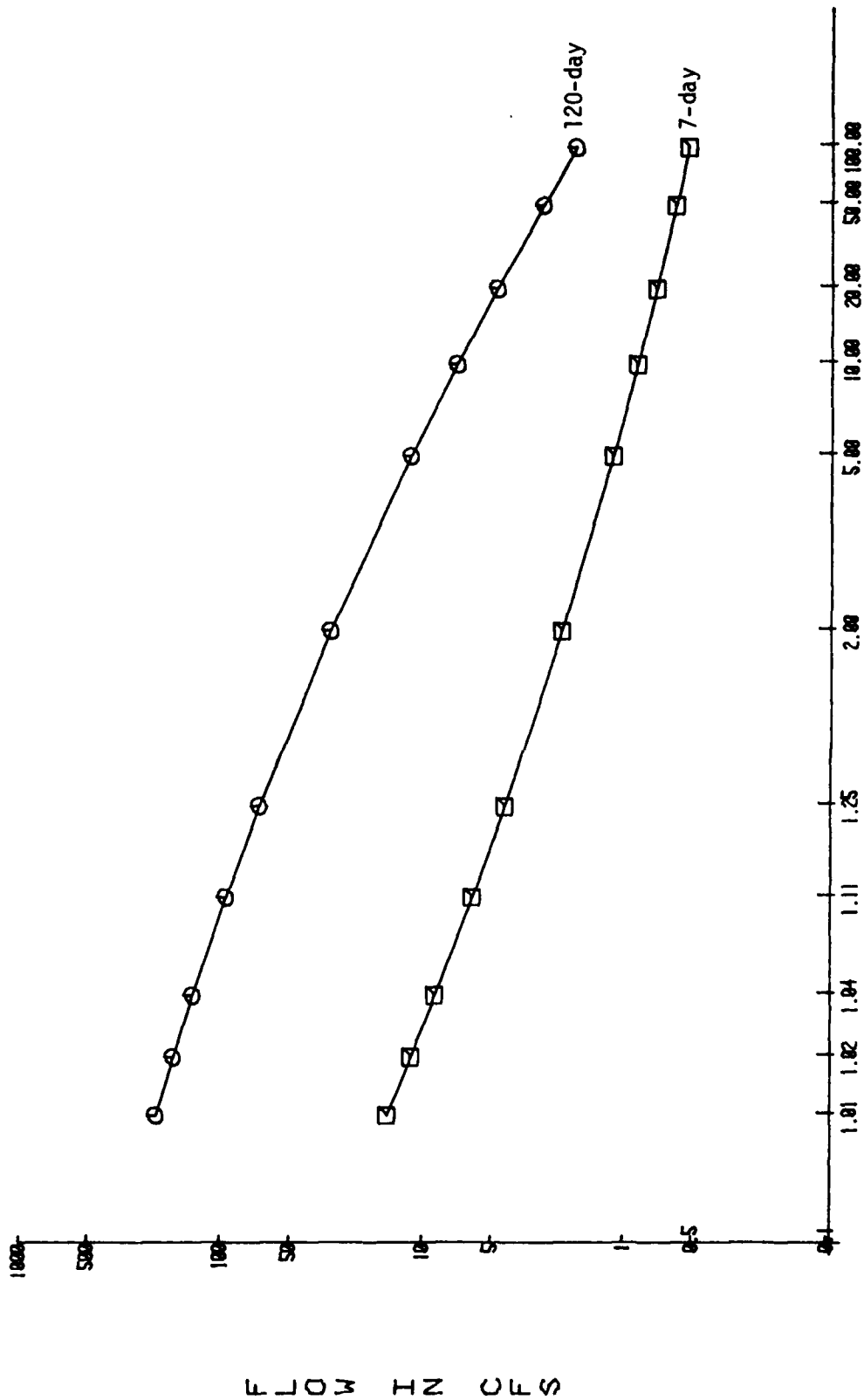
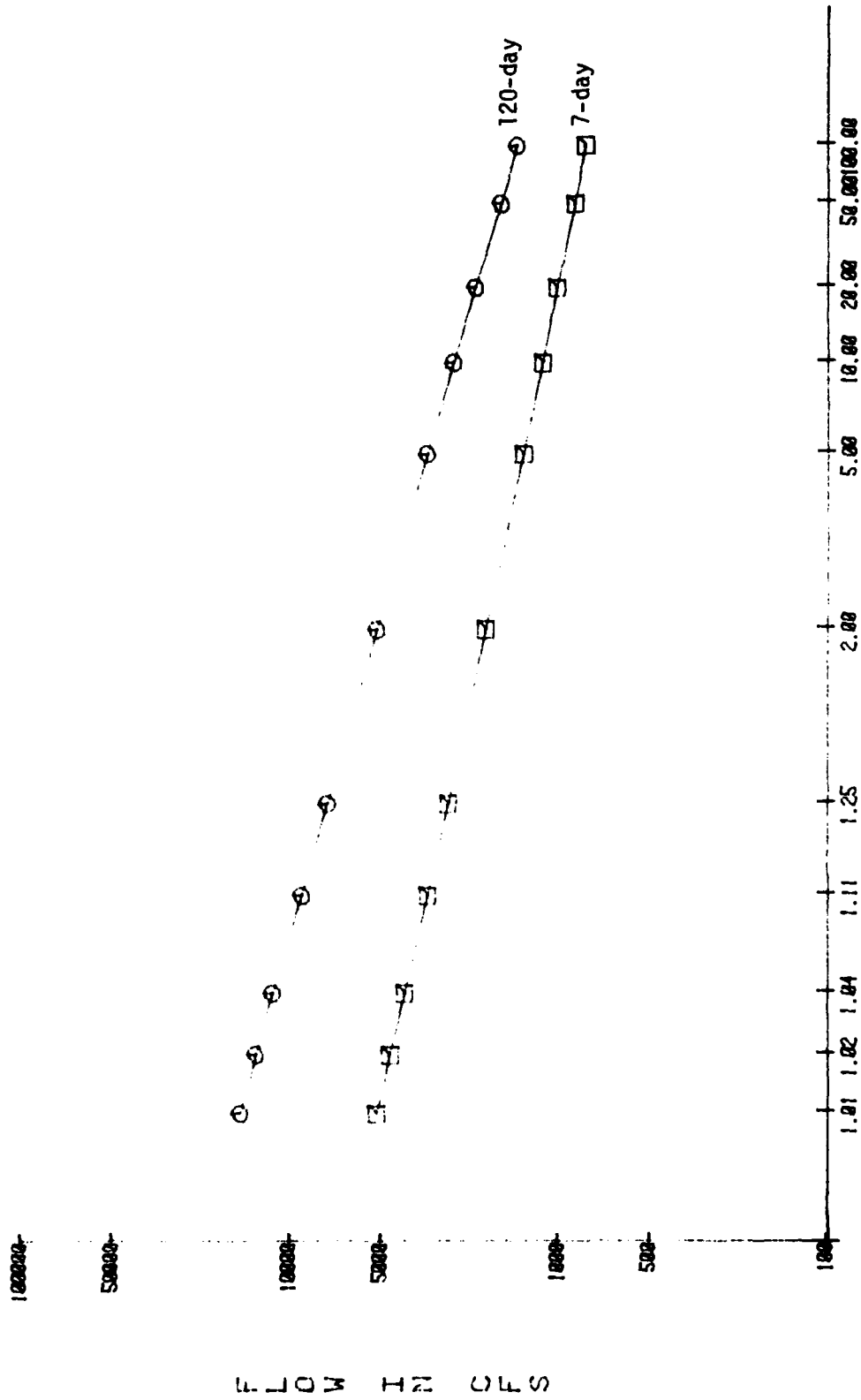


Figure A-55. Natural Low Flow Frequency Curves for 01453000, Lehigh River at Bethlehem, PA.



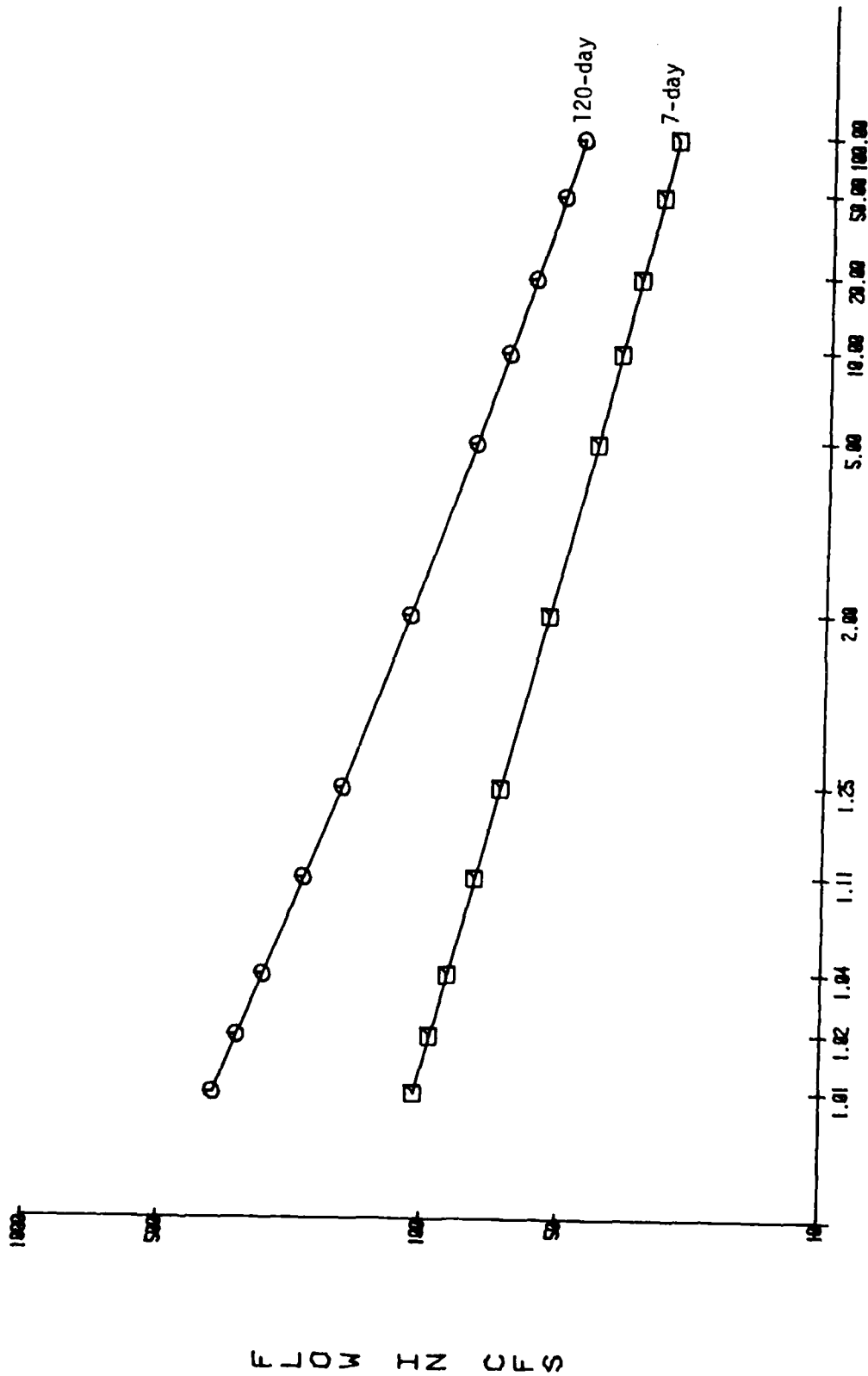
RECURRENCE INTERVAL IN YEARS

Figure A-56. Natural Low Flow Frequency Curves for
01459500, Tohickon Creek at Pipersville, PA.



REDDURENCE INTERVAL IN YEARS

Figure A-57. Natural Low Flow Frequency Curves for
01463500, Delaware River at Trenton, N.J.



RECURRENCE INTERVAL IN YEARS

Figure A-58. Natural Low Flow Frequency Curves for
01470960, Tulpehocken Creek at Blue Marsh Damsite, PA.

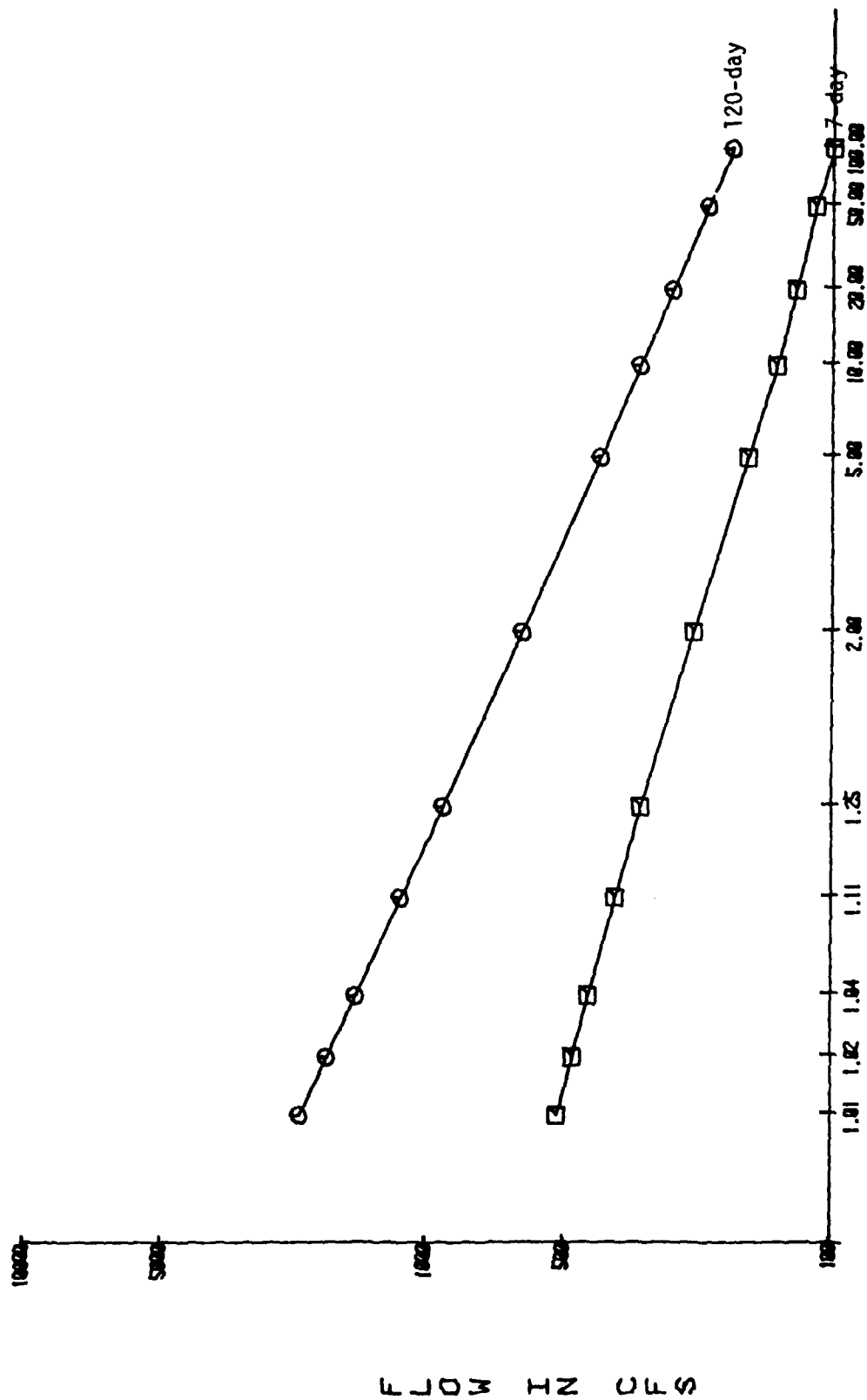
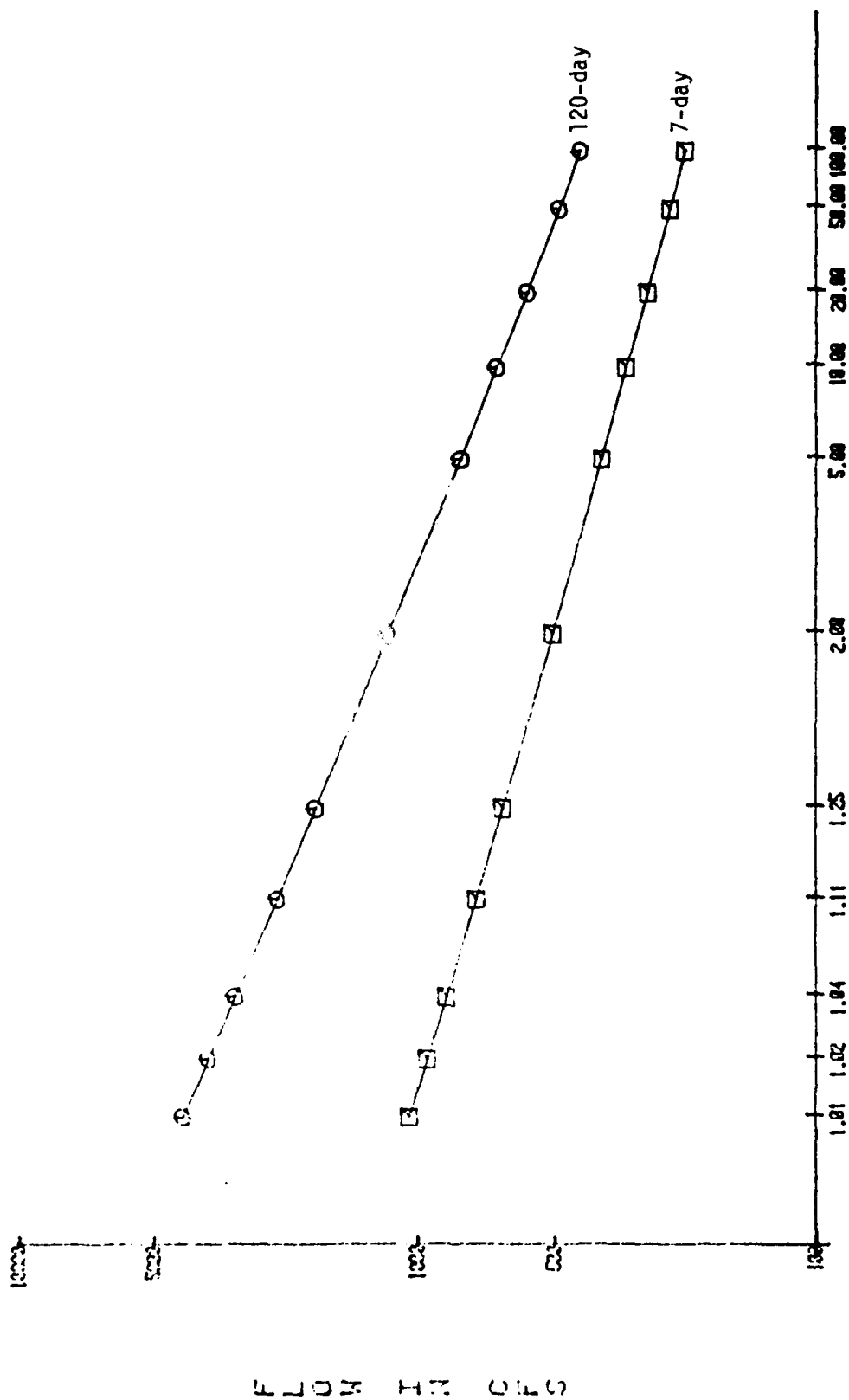


Figure A-59. Natural Low Flow Frequency Curves for 01471500, Schuylkill River at Reading, PA.



RECURRENCE INTERVAL IN YEARS

Figure A-60. Natural Low Flow Frequency Curves for
01474500, Schuylkill River at Philadelphia, PA.

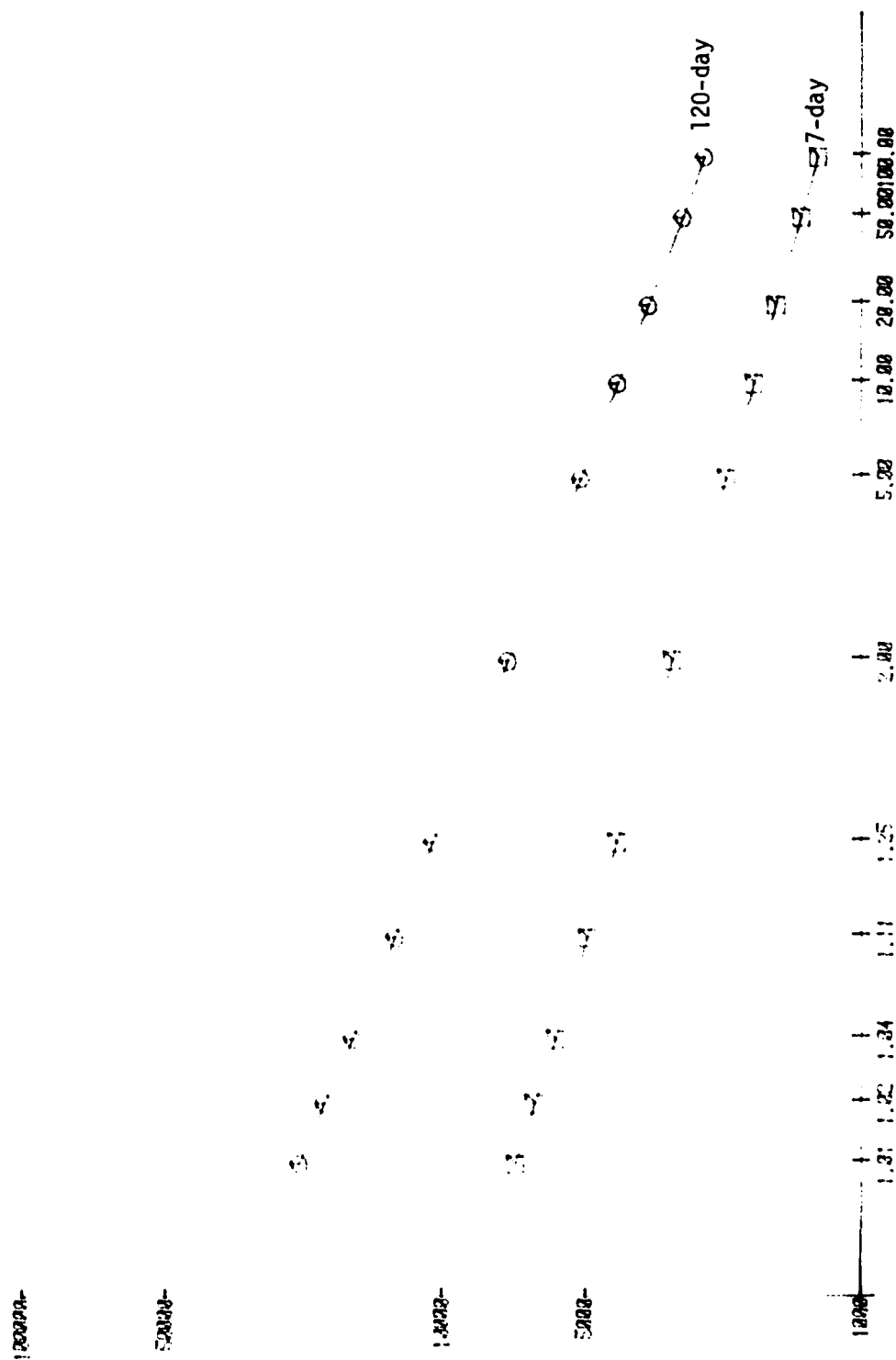


Figure A-61. Natural Low Flow Frequency Curves for Delaware River Below Mouth of Schuylkill

100000

50000

10000

5000

DELTA RIVER

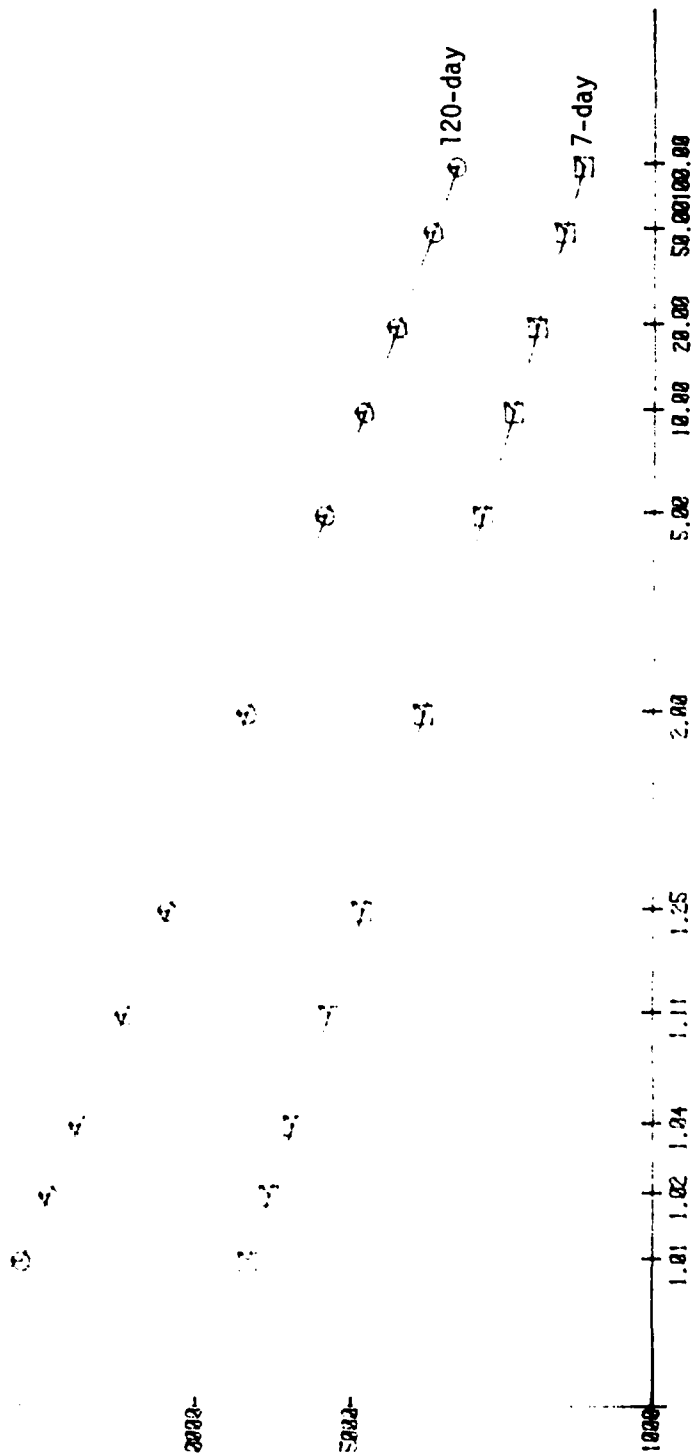


Figure A-62. Natural Low Flow Frequency Curves for Delaware River at Delaware Memorial Bridge

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Regulated Flow Duration Table*	Table B-1
Regulated Low Flow Frequency Table	Tables B-2.1 to B-2.44
Regulated Low Flow Frequency Curves	Figures B-1 to B-18

*Regulated flow duration curves are presented in Appendix A, Figures A-1 to A-44. (Natural and Regulated duration curves are plotted on the same graph).

Table B-1 Regulated Flow Duration Table
(Flow in cfs)

Model Node	Percent of Time Discharge was Equalled or Exceeded									
	1	10	25	50	70	75	90	95	99	
01417000 East Branch Delaware River at Downsville, N.Y.	3,100	1,100	28	20	7.3	7.1	6.4	6.2	6.2	6.2
01421000 East Branch Delaware River at Fishes Eddy, N.Y.	8,400	2,800	1,300	660	430	380	230	160	92	92
01425000 West Branch Delaware River at Stilesville, N.Y.	3,200	870	25	22	9.9	9.5	8.6	8.3	8.1	8.1
01426500 West Branch Delaware River at Hale Eddy, N.Y.	4,100	1,100	490	190	110	92	53	41	30	30
01427405 Delaware River near Callicoon, N.Y.	16,000	52,00	2,400	1,200	830	750	530	420	270	270
01428500 Delaware River near Barryville, N.Y.	20,000	6,500	3,100	1,400	1,000	910	640	510	330	330
01429000 Lackawaxen River at Prompton, PA.	660	220	120	60	32	27	15	11	7.0	7.0
01429500 Dyberry Creek near Honesdale, PA.	780	236	98	53	27	22	9.9	7.2	3.7	3.7
01430000 Lackawaxen River at Honesdale, PA.	1,900	600	320	150	82	68	34	26	16	16
01431500 Lackawaxen River at Hawley, PA.	3,600	1,100	560	260	130	110	55	42	24	24
01434000 Delaware River at Port Jervis, N.Y.	27,000	9,800	5,200	2,600	1,800	1,700	1,400	1,300	1,100	1,100

Table B-1 Regulated Flow Duration Table (Cont'd)
(Flow in cfs)

Model Node	Percent of Time Discharge was Equalled or Exceeded									
	1	10	25	50	70	75	90	95	99	
01436000 Neversink River at Neversink, N.Y.	1,100	19	18	17	5.8	5.6	5.3	5.1	5.0	
01437000 Neversink River at Oakland, N.Y.	1,900	590	320	160	98	86	50	41	27	
01438500 Delaware River at Montague, N.J.	31,000	11,000	6,100	3,100	2,100	1,900	1,700	1,600	1,400	
01440200 Delaware River below Tocks Island Damsite, PA.	33,000	13,000	7,000	3,600	2,300	2,200	1,800	1,700	1,500	
01446500 Delaware River at Belvidere, N.J.	39,000	15,000	8,500	4,500	2,800	2,600	2,000	1,800	1,600	
01447800 Lehigh River at White Haven, PA.	3,200	1,200	750	410	250	210	120	90	61	
01449800 Pohopoco Creek at Beltzville Damsite, PA.	730	300	190	110	71	62	39	27	19	
Aquashicola Creek at Aquashicola Damsite, PA.	730	260	150	85	54	47	29	20	15	
01450500 Aquashicola Creek at Palmerton, PA.	840	300	180	99	62	55	33	25	17	
01451000 Lehigh River at Walnutport, PA.	9,700	3,800	2,300	1,300	790	680	390	300	210	
01451800 Jordan Creek near Schnecksville, PA.	580	170	88	41	21	18	7.9	4.7	2.0	
01451200 Jordan Creek at Allentown, PA.	840	240	120	59	31	25	11	65	3.7	

Table B-1 Regulated Flow Duration Table (Cont'd)
(Flow in cfs)

Model Node	1	10	25	50	70	75	90	95	99
01453000 Lehigh River at Bethlehem, PA.	12,000	4,900	3,100	1,800	1,100	1,000	640	510	380
01454700 Lehigh River at Glendon, PA.	12,000	5,100	3,200	1,900	1,200	1,100	700	570	420
01456000 Musconetcong River near Hackettstown, N.J.	550	270	170	92	56	49	29	22	13
01457500 Delaware River at Riegelsville, N.J.	51,000	22,000	13,000	7,000	4,500	4,100	3,000	2,700	2,200
01459500 Tohickon Creek at Pipersville, PA.	1,900	320	110	38	15	12	4.1	2.4	1.1
01463500 Delaware River at Trenton, N.J.	54,000	23,000	14,000	7,500	4,800	4,300	3,200	2,800	2,300
01467500 Schuylkill River at Pottsville, PA.	460	190	120	71	48	43	28	23	18
01467950 West Branch Schuylkill River at Cressona, PA.	340	160	100	61	41	37	25	21	16
01468500 Schuylkill River at Landingville, PA.	1,200	480	310	180	120	110	63	50	37
01469500 Little Schuylkill River at Tamaqua, PA.	520	180	99	50	30	26	13	8.9	5.8
01470000 Little Schuylkill River at Dreherstown, PA.	1,000	440	290	170	120	100	61	50	37

Table B-1 Regulated Flow Duration Table (Cont'd)
(Flow in cfs)

Model Node	1	10	25	50	70	75	90	95	99
01470500 Schuylkill River at Berne, PA.	3,700	1,400	820	450	290	250	150	120	82
01470756 Maiden Creek at Virginville, PA.	1,500	460	240	120	66	56	32	25	16
01470960 Tulpehocken Creek at Blue Marsh Damsite, PA.	1,300	490	310	180	120	100	67	55	39
01471000 Tulpehocken Creek at Reading, PA.	1,500	580	370	210	140	120	81	66	49
01471500 Schuylkill River at Reading, PA.	8,600	3,200	1,800	950	570	500	300	230	160
01472000 Schuylkill River at Pottstown, PA.	9,800	3,800	2,300	1,300	810	720	450	360	260
01473000 Perkiomen Creek at Graterford, PA.	4,000	790	340	160	85	74	45	37	22
01474500 Schuylkill River at Philadelphia, PA.	17,000	6,200	3,600	1,900	1,100	990	620	500	360
Delaware River below Schuylkill Confluence	73,000	33,000	20,000	11,000	7,100	6,300	4,400	3,800	3,100
Delaware River at Delaware Memorial Bridge	79,000	36,800	22,000	12,000	7,900	7,100	4,900	4,200	3,300

Table B-2.1. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01417000
East Branch Delaware River at Downsville, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30*	60	90	120	183	365
1	100.00	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	43.9
2	50.00	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	55.8
5	20.00	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	7.30	78.7
10	10.00	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	11.5	105
20	5.00	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	20.2	146
50	2.00	6.20	6.20	6.20	6.20	6.20	6.60	8.60	13.7	61.9	255
80	1.25	6.20	6.20	6.20	6.20	6.68	10.5	20.3	43.2	200	413
90	1.11	6.20	6.20	6.20	6.20	8.12	15.0	37.3	90.2	376	515
96	1.04	6.20	6.20	6.20	6.20	11.2	24.2	81.7	220	751	637
98	1.02	6.20	6.20	6.20	6.20	14.7	34.9	146	417	1190	723
99	1.01	6.20	6.20	6.20	6.20	19.7	50.1	260	773	1800	804

*Calculated from statistical parameters

Table B-2.2. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01421000
East Branch Delaware River at Fishs Eddy, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	8.50	44.3	72.7	101	143	200	254	342	572	653
2	50.00	12.7	49.5	81.0	113	157	215	270	351	600	695
5	20.00	21.7	58.4	94.7	132	179	240	295	369	648	765
10	10.00	32.9	67.6	108	150	201	266	322	391	698	835
20	5.00	50.5	80.8	127	173	229	300	358	425	770	931
50	2.00	93.5	114	168	223	288	381	448	525	953	1160
80	1.25	136	161	218	276	355	485	571	701	1220	1470
90	1.11	154	192	247	305	392	552	655	844	1420	1670
96	1.04	167	233	281	336	433	634	762	1060	1670	1920
98	1.02	173	264	304	356	461	694	844	1240	1880	2110
99	1.01	177	296	326	374	486	753	928	1450	2090	2300

Table B-2.3. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01425000
West Branch Delaware River at Stilesville, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days										
		1	3	7	14	30	60	90	120	183	365	
1	100.00	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70	46.4	
2	50.00	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70	56.0	
5	20.00	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70	73.8	
10	10.00	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70	11.2	93.9	
20	5.00	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.75	19.8	125	
50	2.00	7.70	7.70	7.70	7.71	8.18	9.34	12.1	17.1	60.2	212	
80	1.25	7.70	7.70	7.70	8.42	11.0	16.9	28.5	49.6	185	350	
90	1.11	7.70	7.70	7.70	9.46	13.9	26.8	51.2	97.6	336	451	
96	1.04	7.70	7.70	7.70	11.5	19.1	49.5	107	222	636	587	
98	1.02	7.70	7.70	7.70	13.5	24.3	78.9	184	397	963	693	
99	1.01	7.70	7.70	7.70	16.1	31.1	126	313	697	1400	803	

Table B-2.4. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01426500
West Branch Delaware River at Hale Eddy, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	4.02	11.5	22.1	29.4	45.5	59.3	72.0	105	175	201
2	50.00	5.34	13.9	24.2	31.7	48.6	64.6	78.9	109	185	218
5	20.00	7.93	18.0	27.6	35.6	53.7	73.4	90.5	117	203	247
10	10.00	10.9	22.2	30.9	39.5	58.8	82.3	102	127	223	278
20	5.00	15.6	27.6	35.4	44.7	65.7	94.6	118	142	252	322
50	2.00	27.7	38.1	45.2	56.8	81.6	124	157	186	331	437
80	1.25	43.2	47.3	56.8	72.1	102	162	209	265	459	610
90	1.11	52.1	57.1*	63.7	81.6	115	186	243	332	558	735
96	1.04	61.6	68.2*	71.6	93.3	131	217	285	433	699	905
98	1.02	67.6	70.7*	77.0	102	142	239	316	522	817	1040
99	1.01	72.7	77.8*	82.2	110	154	261	347	626	946	1190

*Recalculated

Table B-2.5. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01427405
Delaware River Near Callicoon, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	95.6	127	236	303	330	412	493	624	1040	1190
2	50.00	108	145	255	322	357	440	520	641	1100	1270
5	20.00	128	176	285	352	400	485	567	675	1200	1400
10	10.00	148	205	313	380	440	529	614	714	1300	1540
20	5.00	176	244	349	416	491	589	680	778	1450	1730
50	2.00	241	324	425	493	594	728	842	967	1810	2170
80	1.25	321	406	509	578	700	906	1070	1310	2320	2770
90	1.11	370	447	555	626	756	1020	1220	1580	2670	3150
96	1.04	427	488	606	680	815	1160	1410	2000	3140	3640
98	1.02	467	513	620	716	853	1260	1560	2370	3500	4000
99	1.01	505	534	670	749	886	1350	1720	2790	3870	4350

Table B-2.6. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01485000
Delaware River Near Barryville, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	105*	156	282	361	389	492	586	709	1250	1480
2	50.00	119*	178	306	386	424	523	616	732	1330	1590
5	20.00	141*	213	345	425	481	576	669	778	1470	1760
10	10.00	167*	248	382	461	533	628	723	830	1610	1940
20	5.00	198	294	429	508	599	700	801	914	1800	2180
50	2.00	293	388	525	605	728	870	998	1160	2270	2730
80	1.25	397	487	626	709	855	1090	1290	1610	2910	3440
90	1.11	451	537	679	767	919	1240	1490	1970	3340	3890
96	1.04	506	588	736	830	983	1420	1760	2530	3880	4450
98	1.02	538	620	772	871	1020	1560	1970	3020	4300	4860
99	1.01	565	647	804	909	1060	1690	2200	3580	4720	5260

*Recalculated

Table B-2.7. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01429000
Lackawaxen River at Prompton, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days											
		1	3	7	14	30	60	90	120	183	365		
1	100.00	3.92	4.25	4.76	5.26	5.82	6.34	7.68	9.56	40.4	50.5		
2	50.00	4.30	4.62	5.14	5.68	6.31	7.07	8.75	11.2	43.6	55.0		
5	20.00	4.96	5.27	5.81	6.43	7.20	8.41	10.7	14.1	48.8	62.2		
10	10.00	5.65	5.95	6.52	7.24	8.17	9.88	12.8	17.3	54.1	69.1		
20	5.00	6.64	6.95	7.58	8.43	9.66	12.1	16.1	22.1	61.4	78.3		
50	2.00	9.15	9.56	10.4	11.6	13.9	18.6	25.5	34.9	78.4	98.1		
80	1.25	12.8	13.6	14.9	16.8	21.3	29.8	41.6	54.4	101	121		
90	1.11	15.4	16.5	18.3	20.7	27.2	38.7	54.3	68.3	115	134		
96	1.04	18.8	20.5	23.1	26.3	36.1	52.0	72.8	86.7	134	149		
98	1.02	21.5	23.7	27.1	30.9	43.9	63.4	88.5	101	147	160		
99	1.01	24.3	27.2	31.4	35.9	52.7	76.2	106	116	160	169		

Figure B-2.8. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01429500
Dyberry Creek Near Honesdale, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1.67	1.91	2.40	2.80	3.24	3.63	4.89	6.74	37.1	46.8
2	50.00	1.95	2.18	2.68	3.09	3.58	4.17	5.64	8.01	40.4	51.6
5	20.00	2.46	2.67	3.17	3.60	4.21	5.18	7.06	10.4	45.9	59.3
10	10.00	3.00	3.20	3.71	4.18	4.93	6.33	8.71	13.1	51.4	66.8
20	5.00	3.80	3.98	4.52	5.06	6.06	8.16	11.4	17.3	59.0	76.8
50	2.00	5.86	6.06	6.76	7.61	9.49	13.7	20.0	29.5	77.0	98.2
80	1.25	8.81	9.28	10.5	12.1	16.0	24.3	37.1	50.4	101	123
90	1.11	10.8	11.6	13.3	15.8	21.7	33.3	52.7	66.8	116	137
96	1.04	13.3	14.8	17.4	21.8	30.8	47.5	78.0	90.0	135	152
98	1.02	15.2	17.3	20.8	26.3	39.1	60.1	102	109	148	163
99	1.01	17.1	19.9	24.5	31.8	48.9	74.8	130	130	162	172

Table B-2.9. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01430000
Lackawaxen River at Honesdale, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	7.69	8.61	9.02	9.53	11.1	12.5	16.5	21.8	105	130
2	50.00	8.64	9.54	10.1	10.6	12.5	14.4	19.2	26.0	114	143
5	20.00	10.3	11.2	11.9	12.9	15.0	18.0	24.2	33.5	129	163
10	10.00	12.1	12.9	13.9	15.2	17.7	22.1	29.3	42.0	143	183
20	5.00	14.6	15.5	16.8	18.6	22.0	28.4	38.7	54.8	164	209
50	2.00	21.2	22.3	24.6	27.7	33.7	46.6	64.6	90.2	211	264
80	1.25	31.0	33.0	36.8	41.6	53.4	78.3	110	146	272	327
90	1.11	37.8	40.8	45.9	51.7	68.8	104	148	186	310	362
96	1.04	46.9	51.6	58.5	65.5	90.9	141	202	240	357	402
98	1.02	53.9	60.4	68.6	76.5	109	172	249	282	392	428
99	1.01	61.2	69.7	79.5	88.0	130	207	301	326	425	452

Table B-2.10. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01431500
Lackawaxen River at Hawley, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	9.31	14.0	15.1	16.5	19.1	20.2	27.0	35.7	178	220
2	50.00	11.1	15.4	16.7	18.4	21.3	23.5	31.4	42.3	193	243
5	20.00	14.2	18.0	19.6	21.7	25.3	29.6	39.7	54.7	220	281
10	10.00	17.6	20.8	22.7	25.3	29.7	36.6	49.1	68.6	246	318
20	5.00	22.6	25.0	27.4	30.7	36.5	47.5	64.0	90.1	282	367
50	2.00	35.4	36.7	40.4	45.5	56.0	79.5	109	151	368	471
80	1.25	53.6	55.8	62.0	69.7	90.2	136	190	253	480	589
90	1.11	65.7	70.7	78.8	88.3	118	182	258	330	553	655
96	1.04	80.6	92.0	103	115	160	251	361	439	643	729
98	1.02	91.6	110	123	137	196	309	450	526	709	777
99	1.01	102	129	146	161	236	374	551	620	775	821

Table B-2.11. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01434000
Delaware River at Port Jervis, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	447	888	1120*	1220	1320*	1340*	1350*	1370*	2060	2350
2	50.00	502	914	1130	1230	1330*	1350*	1370*	1390*	2200	2530
5	20.00	588	955	1150	1240*	1340	1360	1380*	1400	2420	2840
10	10.00	666	993	1160	1250	1350*	1380	1400	1480	2650	3130
20	5.00	761	1040	1190	1270	1360	1420	1490	1630	2960	3530
50	2.00	929	1140	1270	1350	1430	1570	1760	2050	3700	4430
80	1.25	1060	1240	1400	1500	1630	1920	2270	2800	4720	5540
90	1.11	1120	1300	1490	1610	1810	2230	2690	3430	5380	6220
96	1.04	1160	1370	1620	1770	2090	2730	3310	4370	6230	7040
98	1.02	1190	1410	1720	1900	2330	3180	3850	5200	6860	7620
99	1.01	1200	1450	1820	2040	2610	3700	4460	6140	7500	8180

*Recalculated

Table B-2.12. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01436000
Neversink River at Neversink, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days											
		1	3	7	14	30	60	90	120	183	365		
1	100.00	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	17.7		
2	50.00	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	20.4		
5	20.00	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	5.30	25.1		
10	10.00	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	6.80	29.8		
20	5.00	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.79	9.32	36.2		
50	2.00	4.60	4.60	4.60	4.60	4.84	5.30	6.46	7.93	17.60	50.8		
80	1.25	4.60	4.60	4.60	4.60	5.26	7.26	11.23	15.7	37.8	68.2		
90	1.11	4.60	4.60	4.60	4.60	5.87	9.49	16.28	24.1	50.6	78.2		
96	1.04	4.60	4.60	4.60	4.60	7.03	13.68	25.9	40.6	76.5	89.4		
98	1.02	4.60	4.60	4.60	4.60	8.20	18.14	36.3	58.8	101	96.8		
99	1.01	4.60	4.60	4.60	4.60	9.67	24.12	50.4	84.0	130	104		

Table B-2.13. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01437000
Neversink River at Oakland Valley, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	4.60	17.1	26.2	29.1	39.3	53.5	70.7	83.9	143	168
2	50.00	4.65	18.2	26.7	30.1	41.3	56.3	73.8	87.0	148	175
5	20.00	6.67	20.2	27.8	31.9	44.8	61.3	79.4	92.8	158	186
10	10.00	9.03	22.3	29.2	34.0	48.5	66.8	85.5	99.4	167	198
20	5.00	12.8	25.5	31.5	37.4	54.2	75.0	94.6	110	182	216
50	2.00	23.4	34.2	38.7	47.1	69.6	97.6	112	139	222	262
80	1.25	39.9	48.3	52.2	64.3	94.4	134	159	189	286	333
90	1.11	51.2	59.1	63.7	78.3	113	163	189	229	333	384
96	1.04	65.5	74.6	81.5	99.2	140	204	231	289	399	453
98	1.02	75.9	87.6	97.4	117	163	238	267	340	453	509
99	1.01	86.1	102	116	138	187	276	305	398	511	567

Table B-2.14. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01438500
Delaware River at Montague, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	960*	1310	1520*	1590*	1610*	1620*	1640*	1720*	2390	2680
2	50.00	1050*	1350	1530*	1600*	1620*	1640*	1670*	1750*	2550	2900
5	20.00	1190*	1410	1540	1610	1630*	1650*	1700*	1760*	2810	3260
10	10.00	1270	1460	1550	1620*	1640	1660*	1720*	1800*	3070	3620
20	5.00	1320	1510	1570	1630*	1650	1670	1730	1890	3430	4090
50	2.00	1410	1600	1640	1660	1710	1830	2060	2400	4300	5150
80	1.25	1490	1660	1750	1790	1910	2230	2660	3290	5470	6440
90	1.11	1530	1690	1840	1910	2120	2600	3150	4010	6240	7230
96	1.04	1570	1710	1950	2090	2460	3200	3890	5100	7210	8160
98	1.02	1600	1720	2040	2240	2760	3750	4530	6050	7940	8820
99	1.01	1620	1730	2130	2400	3110	4400	5260	7140	8680	9440

*Recalculated

Table B-2.15. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01440200
Delaware River Below Tocks Island Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	963	1390	1640*	1690*	1710*	1700*	1760*	1810*	2580	2940
2	50.00	1060	1430	1650*	1700*	1720*	1720*	1780*	1830*	2770	3200
5	20.00	1210	1490	1660*	1710	1730	1750*	1810*	1850*	3080	3620
10	10.00	1330	1550	1670	1720*	1740	1760*	1830*	1860	3390	4030
20	5.00	1450	1610	1680	1730*	1750	1780	1870	2070	3820	4570
50	2.00	1610	1710	1740	1780	1830	2010	2290	2680	4830	5780
80	1.25	1660	1800	1890	1950	2110	2510	3020	3730	6160	7240
90	1.11	1670	1840	2020	2110	2380	2980	3610	4580	7020	8100
96	1.04	1680	1880	2210	2350	2830	3730	4490	5830	8090	9110
98	1.02	1690*	1900	2380	2560	3240	4410	5250	6910	8880	9810
99	1.01	1700*	1910	2560	2790	3710	5220	6110	8120	9670	10500

*Recalculated

Table B-2.16. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01446500
Delaware River at Belvidere, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1140	1430	1680	1720*	1790*	1810*	1830*	1850*	2920	3390
2	50.00	1210	1470	1690*	1730	1800	1820*	1850*	1880*	3160	3710
5	20.00	1310	1530	1700	1750	1810	1830*	1870*	1890	3560	4240
10	10.00	1400	1590	1720	1760	1820	1840	1880	2090	3970	4760
20	5.00	1500	1670	1750	1800	1860	1950	2090	2380	4510	5450
50	2.00	1710	1830	1890	1940	2040	2310	2670	3190	5780	6960
80	1.25	1910	2030	2140	2230	2480	3030	3650	4530	7420	8730
90	1.11	2020	2140	2340	2480	2890	3670	4420	5590	8450	9750
96	1.04	2120	2270	2630	2840	3550	4660	5540	7140	9720	10900
98	1.02	2180	2370	2860	3140	4150	5560	6490	8450	10600	11700
99	1.01	2240	2450	3120	3480	4870	6620	7550	9900	11500	12500

*Recalculated

Table B-2.17. Regulated Low Flow Frequency Table

(Flow in cfs)

USGS Station 01447800
Lehigh River at White Haven, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	12.2	31.7	40.0	41.2	41.3	50.2	62.7	86.6	223	301
2	50.00	18.2	36.5	43.9	45.7	47.7	57.4	72.2	98.9	245	329
5	20.00	30.4	44.5	50.5	53.4	58.6	70.3	89.3	121	281	374
10	10.00	44.1	52.5	57.3	61.4	70.0	84.4	108	144	317	418
20	5.00	62.3	63.1	66.7	72.6	85.9	105	135	179	365	474
50	2.00	91.3	86.0	89.3	99.9	124	162	210	271	477	592
80	1.25	103	111	120	138	172	251	326	411	618	723
90	1.11	104*	124	140	163	202	317	410	511	705	795
96	1.04	105	138	165	194	238	406	524	647	809	874
98	1.02	106*	147	184	218	263	478	615	753	884	926
99	1.01	107*	155	203	241	286	554	709	863	955	974

*Recalculated

Table B-2.18. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01449800
Pohopoco Creek at Beltzville Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	5.67	11.1	13.1	14.1	14.3	17.4	18.8	23.3	53.5	72.4
2	50.00	7.64	12.8	14.6	15.8	16.4	19.4	21.5	26.9	59.4	79.5
5	20.00	11.3	15.6	17.3	18.6	20.0	23.0	26.4	33.4	69.2	90.9
10	10.00	15.3	18.5	20.0	21.4	23.7	26.9	31.7	40.3	78.8	102
20	5.00	20.8	22.3	23.6	25.3	28.7	32.6	39.5	50.4	91.9	117
50	2.00	31.3	30.5	32.0	34.2	29.9	47.9	60.4	76.2	121	148
80	1.25	39.0	39.8	42.3	45.3	53.1	71.9	92.7	113	156	185
90	1.11	41.3	44.8	48.5	52.2	60.7	89.7	116	139	177	206
96	1.04	42.8	50.2	55.7	60.2	69.1	114	148	171	200	229
98	1.02	43.3	53.6	60.7	65.9	74.7	134	173	195	217	245
99	1.01	43.6	56.7	65.5	71.3	79.8	155	199	219	232	260

Table B-2.19. Regulated Low Flow Frequency Table
(Flow in cfs)
Aquashicola Creek at Aquashicola Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	6.93	7.74	8.33	8.92	9.57	11.4	12.9	16.2	38.9	54.4
2	50.00	7.99	8.85	9.56	10.2	11.1	13.1	15.2	19.0	44.0	61.2
5	20.00	9.82	10.7	11.7	12.5	13.8	16.2	19.2	24.1	52.5	72.2
10	10.00	11.7	12.6	13.8	14.7	16.5	19.5	23.6	29.7	61.0	82.8
20	5.00	14.3	15.3	16.7	17.9	20.4	24.4	30.3	37.9	72.5	96.6
50	2.00	20.4	21.3	23.4	25.1	29.6	37.2	47.9	59.6	98.0	126
80	1.25	27.9	28.8	31.5	34.1	41.1	56.2	74.4	92.1	128	156
90	1.11	32.4	33.2	36.3	39.4	48.1	69.5	93.1	115	145	173
96	1.04	37.6	38.3	41.6	45.5	56.3	87.0	118	144	164	189
98	1.02	41.2	41.7	45.3	49.7	61.9	100	136	166	177	200
99	1.01	44.5	44.9	48.6	53.6	67.1	114	155	189	188	209

Table B-2.20. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01450500
Aquashicola Creek at Palmerton, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	8.22	9.15	9.86	10.5	11.2	13.3	15.0	18.9	45.2	63.3
2	50.00	9.45	10.4	11.3	12.0	13.0	15.3	17.6	22.2	51.2	71.2
5	20.00	11.6	12.6	13.7	14.6	16.1	18.9	22.4	28.1	61.1	84.0
10	10.00	13.7	14.8	16.1	17.2	19.3	22.7	27.5	34.5	71.0	96.3
20	5.00	16.7	17.8	19.4	20.8	23.7	28.4	35.2	44.0	84.3	112
50	2.00	23.7	24.8	27.1	29.1	34.3	43.2	55.6	69.3	114	146
80	1.25	32.4	33.4	36.5	39.5	47.8	65.3	86.5	107	149	182
90	1.11	37.6	38.6	42.1	45.8	56.0	80.9	108	133	168	201
96	1.04	43.6	44.6	48.5	53.1	65.5	101	137	167	191	220
98	1.02	47.8	48.7	52.9	58.1	72.2	117	159	193	205	233
99	1.01	51.6	52.5	56.9	62.9	78.4	133	181	220	219	244

Table B-2.21. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01451000
Lehigh River at Walnutport, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	129	133	145	156	165	186	208	268	654	816
2	50.00	139	144	157	170	183	208	237	305	717	909
5	20.00	157	163	177	193	213	247	290	371	823	1060
10	10.00	174	183	198	217	245	289	348	442	931	1210
20	5.00	200	210	228	250	291	354	435	550	1080	1400
50	2.00	263	277	304	335	407	531	676	848	1430	1820
80	1.25	354	371	413	457	572	822	1070	1330	1900	2290
90	1.11	417	435	488	541	687	1050	1360	1700	2210	2550
96	1.04	499	518	588	652	836	1370	1780	2220	2580	2840
98	1.02	563	581	666	737	950	1630	2110	2650	2860	3030
99	1.01	629	646	746	826	1070	1920	2480	3110	3130	3200

Table B-2.22. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01451800
Jordan Creek Near Schnecksville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1*	3*	7*	14*	30	60	90	120	183	365
1	100.00	0.30	0.31	0.44	0.56	0.72	1.12	1.45	2.58	11.9	27.6
2	50.00	0.51	0.58	0.72	0.85	1.03	1.60	2.15	3.60	14.9	31.5
5	20.00	1.08	1.16	1.43	1.62	1.71	2.64	3.70	5.79	20.3	38.1
10	10.00	1.68	1.82	2.20	2.40	2.58	4.00	5.78	8.57	26.1	44.7
20	5.00	2.41	2.69	3.05	3.27	4.06	6.37	9.44	13.3	34.5	53.6
50	2.00	4.40	5.20	5.80	7.26	8.60	13.9	21.0	27.9	53.8	73.5
80	1.25	7.50	8.05	9.40	11.6	15.6	26.2	39.4	51.4	75.9	96.5
90	1.11	9.25	9.70	11.8	13.5	20.2	34.8	51.4	67.5	87.5	110
96	1.04	11.0	11.5	15.0	22.0	25.6	45.4	65.4	87.2	99.3	124
98	1.02	12.1	12.5	17.0	25.1	29.3	52.8	74.7	101	106	134
99	1.01	13.2	13.9	19.0	25.4	32.6	59.9	83.1	114	112	142

*Calculated from adjusted probabilities

Table B-2.23. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01452000
Jordan Creek at Allentown, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1*	3*	7*	14*	30	60	90	120	183	365
1	100.00	0.31	0.58	0.85	0.99	1.12	1.70	2.14	3.73	17.0	39.5
2	50.00	0.62	0.97	1.35	1.46	1.58	2.40	3.14	5.20	21.3	45.1
5	20.00	1.48	1.99	2.40	2.49	2.55	3.90	5.37	8.32	29.0	54.5
10	10.00	2.30	2.90	3.45	3.60	3.80	5.83	8.32	12.3	37.4	63.9
20	5.00	3.60	4.10	4.60	4.87	5.90	9.17	13.5	19.1	49.3	76.6
50	2.00	6.60	7.15	8.00	10.9	12.3	19.7	29.9	39.8	76.9	105
80	1.25	10.8	11.1	13.1	16.5	22.3	37.4	56.2	73.4	108	138
90	1.11	13.2	13.8	16.8	18.3	28.9	49.8	73.8	96.4	125	157
96	1.04	15.7	17.0	21.8	28.0	36.8	65.3	93.8	125	142	177
98	1.02	17.1	19.0	25.5	34.0	42.3	76.5	108	145	152	191
99	1.01	18.2	21.0	28.5	35.0	47.3	87.3	120	164	160	203

*Calculated from adjusted probabilities

Table B-2.24. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01453000
Lehigh River at Bethlehem, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	231	276	291	300	309	327	351	431	905	1140
2	50.00	251	292	308	321	336	360	394	482	987	1160
5	20.00	284	319	339	357	383	420	471	573	1120	1440
10	10.00	318	347	370	394	430	483	553	672	1260	1610
20	5.00	365	387	415	445	498	577	675	819	1460	1850
50	2.00	479	490	530	574	663	827	1010	1220	1920	2380
80	1.25	634	643	698	757	896	1220	1530	1860	2550	3010
90	1.11	737	753	816	884	1050	1510	1930	2340	2960	3380
96	1.04	868	900	975	1050	1260	1920	2470	3020	3470	3820
98	1.02	966	1020	1100	1180	1410	2250	2920	3570	3850	4410
99	1.01	1070	1140	1230	1310	1570	2600	3390	4160	4230	4400

Table B-2.25. Regulated Low Flow Frequency Table

(Flow in cfs)

USGS Station 01454700
Lehigh River at Glendon, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	271	308	323	334	343	362	388	472	964	1220
2	50.00	291	325	342	357	373	398	434	526	1050	1340
5	20.00	324	354	375	396	423	461	515	623	1190	1520
10	10.00	358	384	410	436	473	529	602	727	1340	1700
20	5.00	407	428	460	493	547	629	732	882	1540	1940
50	2.00	528	541	585	633	725	895	1080	1300	2030	2490
80	1.25	702	712	769	832	972	1310	1640	1980	2690	3160
90	1.11	822	836	899	968	1140	1620	2050	2490	3130	3560
96	1.04	980	1000	1070	1150	1350	2040	2630	3200	3680	4030
98	1.02	1100	1140	1210	1280	1520	2390	3100	3790	4090	4350
99	1.01	1230	1280	1350	1420	1680	2760	3610	4420	4500	4670

Table B-2.26. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01456000
Musconetcong River Near Hackettstown, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	5.39	6.16	7.42	7.86	8.82	10.1	11.0	12.7	31.2	44.5
2	50.00	6.35	7.16	8.44	9.02	10.22	11.8	13.0	15.3	35.9	51.3
5	20.00	8.06	8.92	10.2	11.1	12.7	14.8	16.8	20.2	44.1	62.8
10	10.00	9.89	10.8	12.1	13.2	15.3	18.2	21.0	25.6	52.6	74.3
20	5.00	12.6	13.5	14.9	16.4	19.2	23.2	27.4	34.0	64.4	89.8
50	2.00	19.4	20.5	22.2	24.5	29.2	37.0	45.2	56.7	92.5	124
80	1.25	29.1	30.3	32.9	36.3	43.8	58.9	73.8	91.7	128	162
90	1.11	35.5	36.8	40.4	44.4	53.8	75.1	94.8	116	150	183
96	1.04	43.4	45.1	50.3	54.9	66.7	97.1	124	149	176	205
98	1.02	49.3	51.2	57.9	62.8	76.5	115	146	173	193	220
99	1.01	55.0	57.2	65.7	70.9	86.3	133	170	198	210	233

Table B-2.27. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01457500
Delaware River at Riegelsville, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1590	1790	2000	2100	2250	2280	2350	2470	4220	5040
2	50.00	1670	1860	2050	2150	2270	2310	2420	2500	4600	5530
5	20.00	1790	1970	2130	2220	2340	2350	2440	2690	5220	6320
10	10.00	1910	2090	2220	2300	2410	2500	2660	3030	5840	7090
20	5.00	2070	2230	2350	2410	2550	2760	3040	3520	6680	8110
50	2.00	2410	2550	2670	2780	3070	3610	4210	5000	8600	10300
80	1.25	2820	2950	3140	3340	3960	4930	5940	7170	11000	12800
90	1.11	3060	3200	3460	3770	4640	5990	7280	8810	12600	14300
96	1.04	3340	3490	3880	4340	5630	7550	9190	11100	14400	15900
98	1.02	3540	3710	4200	4810	6460	8890	10800	13000	15700	17100
99	1.01	3730	3910	4540	5310	7230	9800	12500	15100	17000	18100

Table B-2.28. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01459500
Tohickon Creek at Pipersville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1*	3*	7	14	30	60	90	120	183	365
1	100.00	0.08	0.27	0.572	0.639	0.709	0.90	1.25	2.06	14.1	50.3
2	50.00	0.10	0.40	0.659	0.741	0.877	1.20	1.72	3.00	18.5	57.6
5	20.00	0.27	0.64	0.826	0.938	1.21	1.83	2.78	5.12	27.1	70.3
10	10.00	0.62	0.84	1.02	1.18	1.62	2.67	4.25	8.06	37.1	83.2
20	5.00	0.95	1.15	1.35	1.58	2.33	4.22	7.06	13.6	52.5	101
50	2.00	1.74	2.05	2.40	2.94	4.74	10.1	18.4	33.8	93.0	143
80	1.25	3.15	3.65	4.61	5.99	9.90	24.1	47.2	75.5	147	195
90	1.11	4.45	5.00	6.68	9.01	14.7	38.0	76.6	110	179	226
96	1.04	6.40	7.25	10.2	14.3	22.6	61.7	128	161	214	262
98	1.02	9.20	9.30	13.5	19.6	29.9	84.2	177	201	237	287
99	1.01	9.80	11.0	17.6	26.3	38.7	112	238	244	257	310

*Calculated from adjusted probabilities

Table B-2.29. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01463500
Delaware River at Trenton, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1700	1880	2080	2200	2360	2400*	2480*	2620*	4290	5220
2	50.00	1780	1960	2140	2250	2390	2430*	2560*	2660*	4700	5740
5	20.00	1910	2080	2240	2340	2470	2480*	2570	2890	5390	6600
10	10.00	2040	2210	2350	2440	2560	2670	2860	3260	6060	7430
20	5.00	2210	2370	2500	2580	2720	2960	3280	3800	6980	8520
50	2.00	2580	2730	2870	2990	3210	3790	4440	5280	9080	10900
80	1.25	3040	3180	3390	3620	4090	5170	6300	7630	11700	13600
90	1.11	3320	3460	3740	4090	4810	6250	7710	9420	13300	15100
96	1.04	3640	3800	4190	4720	5870	7820	9730	11900	15200	16800
98	1.02	3880	4040	4540	5230	6790	9140	11400	14000	16600	18000
99	1.01	4100	4270	4890	4770	7820	10600	13200	16300	17900	19000

*Recalculated

Table B-2.30. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01467500
Schuylkill River at Pottsville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	9.97	10.8	11.9	12.8	14.5	15.5	17.1	18.7	35.6	47.6
2	50.00	10.8	11.7	12.8	13.7	15.5	16.9	19.1	21.2	39.2	51.8
5	20.00	12.2	13.2	14.3	15.2	17.3	19.4	22.2	25.4	45.3	58.7
10	10.00	13.7	14.7	15.9	16.8	19.1	21.9	25.6	29.9	51.3	65.4
20	5.00	15.7	16.8	18.0	19.0	21.8	25.6	30.5	36.2	59.4	74.4
50	2.00	20.4	21.6	23.3	24.7	28.4	35.0	42.8	52.1	77.9	94.1
80	1.25	26.6	28.1	30.6	32.9	38.2	49.0	60.8	74.7	101	118
90	1.11	30.6	32.4	35.5	38.7	45.1	59.1	73.3	89.8	115	132
96	1.04	35.6	37.6	41.8	46.3	54.3	72.5	89.7	109	131	148
98	1.02	39.4	41.5	46.6	52.2	61.5	83.1	102	124	142	159
99	1.01	43.1	45.4	51.6	58.4	69.0	94.3	115	139	153	169

Table B-2.31. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01467950
West Branch Schuylkill River at Cressona, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	8.52	9.55	10.8	11.1	12.1	13.8	14.9	17.6	28.1	38.0
2	50.00	9.56	10.6	11.7	12.1	13.2	15.1	16.6	19.6	31.6	42.2
5	20.00	11.2	12.2	13.3	13.8	15.1	17.4	19.5	23.0	37.3	48.9
10	10.00	12.9	13.8	14.8	15.5	17.0	19.8	22.5	26.6	42.9	55.2
20	5.00	15.1	15.9	16.9	17.8	19.6	23.2	26.9	31.7	50.3	63.4
50	2.00	19.7	20.3	21.5	22.9	25.9	31.4	37.7	44.3	66.2	80.0
80	1.25	24.8	25.3	27.0	29.1	34.3	42.8	52.8	62.3	84.0	97.4
90	1.11	27.6	28.0	30.4	32.8	39.7	50.5	63.0	74.5	93.9	106
96	1.04	30.6	31.0	34.3	37.2	46.5	60.3	76.1	90.2	105	116
98	1.02	32.5	33.0	37.0	40.3	51.5	67.7	86.0	102	112	122
99	1.01	34.2	34.8	39.6	43.2	56.5	75.2	96.0	114	118	127

Table B-2.32. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01468500
Schuylkill River at Landingville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	18.5	19.9	20.7	22.3	26.2	30.7	35.1	41.5	87.9	126
2	50.00	20.5	21.9	22.9	24.7	29.0	34.2	39.7	47.4	97.1	136
5	20.00	23.9	25.5	26.8	28.9	34.0	40.5	48.0	57.8	112	152
10	10.00	27.5	29.1	30.8	33.3	39.2	47.2	56.8	68.9	128	167
20	5.00	32.6	34.3	36.6	39.6	46.7	57.1	69.8	85.1	148	188
50	2.00	45.3	47.4	51.2	55.6	66.2	83.3	104	127	196	235
80	1.25	63.2	66.0	72.2	79.2	95.3	124	155	189	255	294
90	1.11	75.4	78.7	86.8	95.6	116	153	192	232	291	330
96	1.04	91.2	95.2	106	117	144	194	241	289	334	372
98	1.02	103	108	120	134	165	227	280	332	364	403
99	1.01	115	121	136	152	188	261	320	376	393	432

Table B-2.33. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01469500
Little Schuylkill River at Tamaqua, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	2.51	2.70	3.01	3.39	4.11	4.55	5.29	7.01	23.4	34.6
2	50.00	2.88	3.09	3.42	3.83	4.65	5.32	6.35	8.42	26.2	38.2
5	20.00	3.53	3.78	4.18	4.63	5.65	6.74	8.35	11.1	31.1	44.3
10	10.00	4.25	4.53	5.00	5.50	6.75	8.36	10.6	14.1	36.1	50.5
20	5.00	5.32	5.66	6.22	6.83	8.45	10.9	14.3	18.9	43.2	58.9
50	2.00	8.23	8.69	9.56	10.5	13.3	18.2	24.9	32.8	60.5	78.4
80	1.25	12.8	13.4	14.9	16.6	21.7	31.1	43.5	56.8	84.2	103
90	1.11	16.2	16.9	18.8	21.3	28.4	41.3	58.2	75.5	99.7	119
96	1.04	20.9	21.7	24.3	28.1	38.2	56.3	79.4	102	119	137
98	1.02	24.6	25.5	28.7	33.6	46.6	69.0	96.9	124	134	150
99	1.01	28.6	29.6	33.4	39.7	55.9	82.9	116	148	154*	163

*Recalculated

Table B-2.34 Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470000
Little Schuylkill River at Dreherstown, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	19.5	20.6	22.0	24.1	28.6	30.7	33.3	39.1	82.5	118
2	50.00	21.4	22.6	24.1	26.3	31.0	34.0	37.7	44.7	91.4	127
5	20.00	24.8	26.0	27.8	30.1	35.3	39.9	45.4	54.5	106	142
10	10.00	28.3	29.6	31.6	34.1	39.8	46.2	53.7	64.9	121	157
20	5.00	33.2	34.6	37.0	39.7	46.5	55.4	65.9	80.2	140	177
50	2.00	45.4	47.1	50.5	54.3	64.0	79.8	98.2	120	184	220
80	1.25	62.5	64.8	69.6	75.7	91.1	118	147	178	236	272
90	1.11	74.1	76.8	82.8	90.9	111	145	183	218	267	303
96	1.04	89.0	92.3	99.8	111	139	183	230	271	303	339
98	1.02	100	104	133	127	161	214	268	311	327	364
99	1.01	112	116	126	144	185	247	307	353	370*	388

*Recalculated

Table B-2.35 Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470500
Schuylkill River at Berne, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	36.2	44.3	48.5	52.2	63.0	74.1	79.9	96.6	219	321
2	50.00	41.9	49.8	54.5	58.6	70.3	82.7	91.4	111	244	350
5	20.00	51.7	59.1	64.6	69.5	82.8	97.7	112	136	285	398
10	10.00	61.8	68.7	75.0	80.8	95.7	114	134	163	327	445
20	5.00	76.0	82.1	89.4	96.7	114	137	167	204	384	508
50	2.00	110	114	124	135	159	199	254	314	517	650
80	1.25	153	156	169	187	222	295	389	483	686	825
90	1.11	179	183	197	220	264	365	486	606	791	932
96	1.04	210	216	232	262	317	461	617	772	915	1060
98	1.02	231	240	257	293	357	537	720	904	1000	1150
99	1.01	251	264	281	323	397	618	828	1040	1090	1230

Table B-2.36 Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470756
Maiden Creek at Virginville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	7.40	8.32	9.83	10.1	11.8	13.7	15.8	20.9	46.6	77.3
2	50.00	8.58	9.55	11.0	11.4	13.3	15.8	18.5	24.3	54.5	87.9
5	20.00	10.6	11.7	13.1	13.8	16.0	19.6	23.4	30.6	68.4	106
10	10.00	12.7	13.8	15.3	16.2	18.8	23.7	29.0	37.7	82.8	124
20	5.00	15.6	16.8	18.3	19.7	23.0	29.8	37.5	48.6	103	148
50	2.00	22.4	23.6	25.7	28.2	34.2	46.5	61.5	79.8	152	204
80	1.25	30.7	32.0	35.7	40.1	51.5	72.8	102	132	213	270
90	1.11	35.7	37.0	42.2	47.9	64.1	92.2	132	173	250	310
96	1.04	41.4	42.7	50.3	57.7	81.3	119	175	232	292	354
98	1.02	45.2	46.6	56.2	65.0	95.0	140	211	280	321	385
99	1.01	48.8	50.2	62.1	72.2	110	162	249	333	349	413

Table B-2.37 Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470960
Tulpehocken Creek at Blue Marsh Dam site, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	23.4	25.4	27.9	28.3	30.8	34.3	39.4	48.3	80.5	115
2	50.00	25.6	27.7	30.2	31.1	33.7	38.1	44.1	53.7	90.0	127
5	20.00	29.2	31.6	34.2	35.7	38.8	44.6	52.4	63.1	106	146
10	10.00	32.9	35.5	38.1	40.3	44.0	51.5	61.2	73.1	122	165
20	5.00	37.9	40.7	43.6	46.6	51.4	61.3	74.0	87.7	144	189
50	2.00	49.7	52.7	56.6	61.3	69.8	86.4	107	126	194	242
80	1.25	64.9	67.8	73.8	80.3	95.7	123	155	184	256	303
90	1.11	74.6	77.2	84.9	92.3	113	148	189	227	294	337
96	1.04	86.5	88.4	98.8	107	136	182	234	284	338	375
98	1.02	95.1	96.4	109	117	154	208	269	329	369	401
99	1.01	104	108*	119	128	172	234	305	377	398	424

*Recalculated

Table B-2.38 Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01471000
Tulpehocken Creek at Reading, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	28.2	30.6	33.6	34.1	37.1	41.3	47.4	58.3	97.0	139
2	50.00	30.9	33.4	36.4	37.5	40.7	45.8	53.2	64.8	108	153
5	20.00	35.3	38.1	41.2	43.0	46.7	53.7	63.2	76.1	128	176
10	10.00	39.7	42.8	46.0	48.5	53.0	62.0	73.8	88.1	147	199
20	5.00	45.7	49.1	52.6	56.1	61.9	73.9	89.1	106	173	228
50	2.00	59.9	63.6	68.2	73.9	84.0	104	129	152	234	292
80	1.25	78.3	81.8	89.0	96.8	115	148	187	222	309	365
90	1.11	90.1	93.0	102	111	137	179	228	273	354	406
96	1.04	104	107	119	129	164	219	282	342	407	452
98	1.02	115	115	132	142	186	250	324	396	444	483
99	1.01	125	126	144	154	207	282	368	454	480	511

Table B-2.39 Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01471500
Schuylkill River at Reading, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	78.0	87.6	100	105	120	139	156	201	409	618
2	50.00	89.8	100	112	118	135	158	180	231	469	694
5	20.00	110	120	133	141	160	191	223	284	570	820
10	10.00	130	141	154	164	187	226	270	341	573	943
20	5.00	159	169	184	197	225	278	340	427	815	1110
50	2.00	223	233	251	273	321	414	529	662	1140	1470
80	1.25	300	310	337	370	461	620	826	1030	1530	1870
90	1.11	344	354	389	430	556	768	1040	1310	1770	2100
96	1.04	395	404	452	502	681	965	1340	1690	2030	2350
98	1.02	429	438	495	552	777	1120	1570	1990	2210	2520
99	1.01	460	470	537	601	874	1280	1810	2310	2380	2670

Figure B-2.40 Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01472000
Schuylkill River at Pottstown, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	139	154	174	178	202	230	254	314	586	838
2	50.00	157	172	192	198	224	257	288	356	661	931
5	20.00	188	203	222	232	260	304	348	428	786	1080
10	10.00	218	233	252	265	298	353	413	505	912	1230
20	5.00	258	273	293	311	351	424	507	619	1080	1420
50	2.00	348	363	388	418	484	606	752	915	1480	1840
80	1.25	455	467	507	553	570	871	1120	1360	1940	2310
90	1.11	516	528	581	636	795	1060	1380	1680	2210	2580
96	1.04	584	596	669	736	956	1300	1720	2110	2520	2870
98	1.02	630	641	731	806	1080	1490	1990	2440	2740	3060
99	1.01	672	683	792	874	1200	1680	2270	2790	2940	3230

Table B-2.41. Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01473000
Perkiomen Creek at Graterford, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	5.51	8.78	11.3	13.0	16.2	24.1	32.9	35.8	72.8	165
2	50.00	6.95	10.4	12.9	14.6	18.3	26.6	35.9	40.8	86.3	182
5	20.00	9.64	13.2	15.7	17.6	22.0	31.3	41.5	49.9	110	211
10	10.00	12.6	16.2	18.6	20.8	26.1	36.5	48.0	60.3	135	240
20	5.00	17.1	20.5	22.9	25.5	32.0	44.5	58.4	76.5	171	279
50	2.00	28.3	31.0	34.0	37.9	47.7	67.6	90.5	124	259	367
80	1.25	42.7	44.7	50.1	57.1	71.7	109	153	210	374	475
90	1.11	51.3	53.1	61.2	71.0	89.0	143	210	281	445	541
96	1.04	60.8	63.0	75.8	89.8	113	194	303	389	528	617
98	1.02	67.0	69.8	86.9	105	313	239	390	483	586	670
99	1.01	72.6	76.2	98.2	120	150	291	495	590	640	721

Table B-2.42, Regulated Low Flow Frequency Table
(Flow in cfs)

USGS Station 01474500
Schuylkill River at Philadelphia, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	210	226	243	245	263	304	350	449	845	1250
2	50.00	230	246	265	271	294	345	402	508	955	1390
5	20.00	263	281	303	314	347	416	493	614	1140	1620
10	10.00	297	316	342	359	402	492	591	729	1330	1850
20	5.00	344	365	396	421	480	602	734	898	1600	2160
50	2.00	456	481	527	574	677	884	1110	1350	2210	2820
80	1.25	606	634	704	784	954	1290	1670	2050	2990	3580
90	1.11	704	734	820	923	1140	1580	2060	2560	3470	4000
96	1.04	826	858	968	1100	1390	1950	2570	3250	4040	4480
98	1.02	917	949	1080	1230	1570	2230	2970	3800	4440	4790
99	1.01	1010	1040	1190	1360	1760	2520	3380	4380	4820	5070

Table B 2.43. Regulated Low Flow Frequency Table

(Flow in cfs)

Delaware River below Schuylkill Confluence

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	2270	2430	2640	2730	2850	2880*	2950	3340	5930	7560
2	50.00	2390	2550	2730	2820	2960	2980	3190	3630	6520	8310
5	20.00	2580	2730	2890	2980	3150	3310	3610	4150	7510	9520
10	10.00	2770	2910	3050	3160	3370	3650	4070	4710	8500	10700
20	5.00	3010	3150	3290	3420	3690	4170	4740	5530	9830	12200
50	2.00	3560	3690	3870	4100	4550	5510	6530	7720	12900	15600
80	1.25	4240	4360	4710	5120	5930	7610	9370	11200	16700	19300
90	1.11	4660	4770	5290	5860	6960	9170	11500	13800	19100	21500
96	1.04	5160	5270	6040	6860	8410	11400	14500	17400	21900	23800
98	1.02	5510	5630	6620	7660	9600	13100	17000	20400	23900	25400
99	1.01	5860	5970	7210	8500	10900	15100	19600	23700	25800	26900

*Recalculated

Table B-2.44. Regulated Low Flow Frequency Table

(Flow in cfs)

Delaware River at Delaware Memorial Bridge

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	2460	2600	2850	2910	3020	3080*	3240	3710	6470	8280
2	50.00	2590	2730	2950	3020	3160	3230	3520	4040	7120	9080
5	20.00	2810	2950	3130	3220	3400	3610	4000	4620	8200	10400
10	10.00	3020	3160	3320	3440	3670	4010	4510	5240	9270	11700
20	5.00	3310	3450	3590	3740	4050	4600	5270	6150	10700	13300
50	2.00	3940	4080	4280	4540	5070	6130	7290	8590	14100	16900
80	1.25	4720	4850	5270	5730	6660	8490	10500	12400	18300	21100
90	1.11	5190	5320	5960	6580	7830	10200	12800	15300	21000	23400
96	1.04	5760	5890	6880	7720	9450	12600	16100	19400	24100	26000
98	1.02	6160	6290	7600	8630	10800	14600	18800	22700	26300	27800
99	1.01	6550	6680	8340	9580	12200	16600	21700	26300	28500	29400

*Recalculated

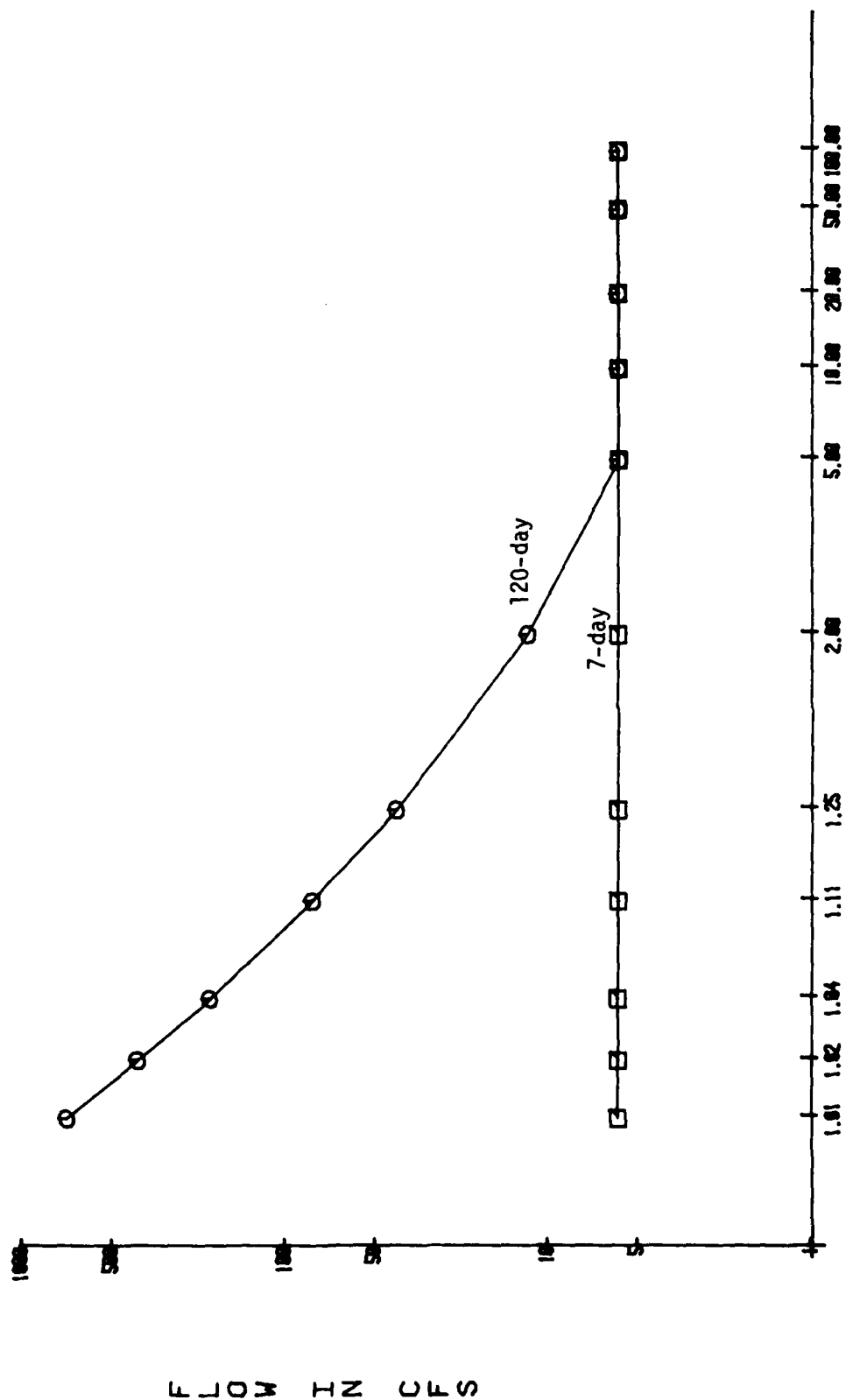
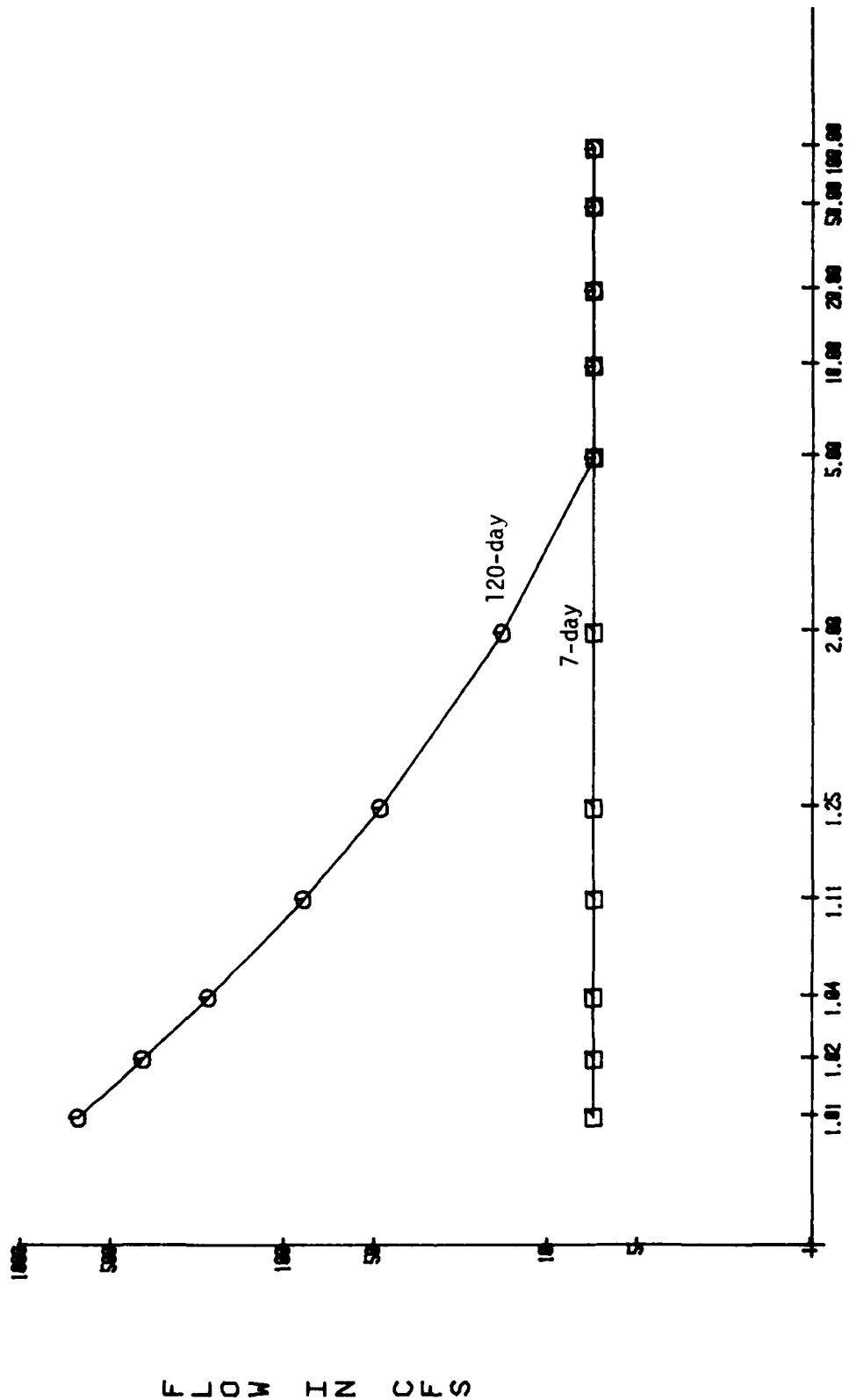
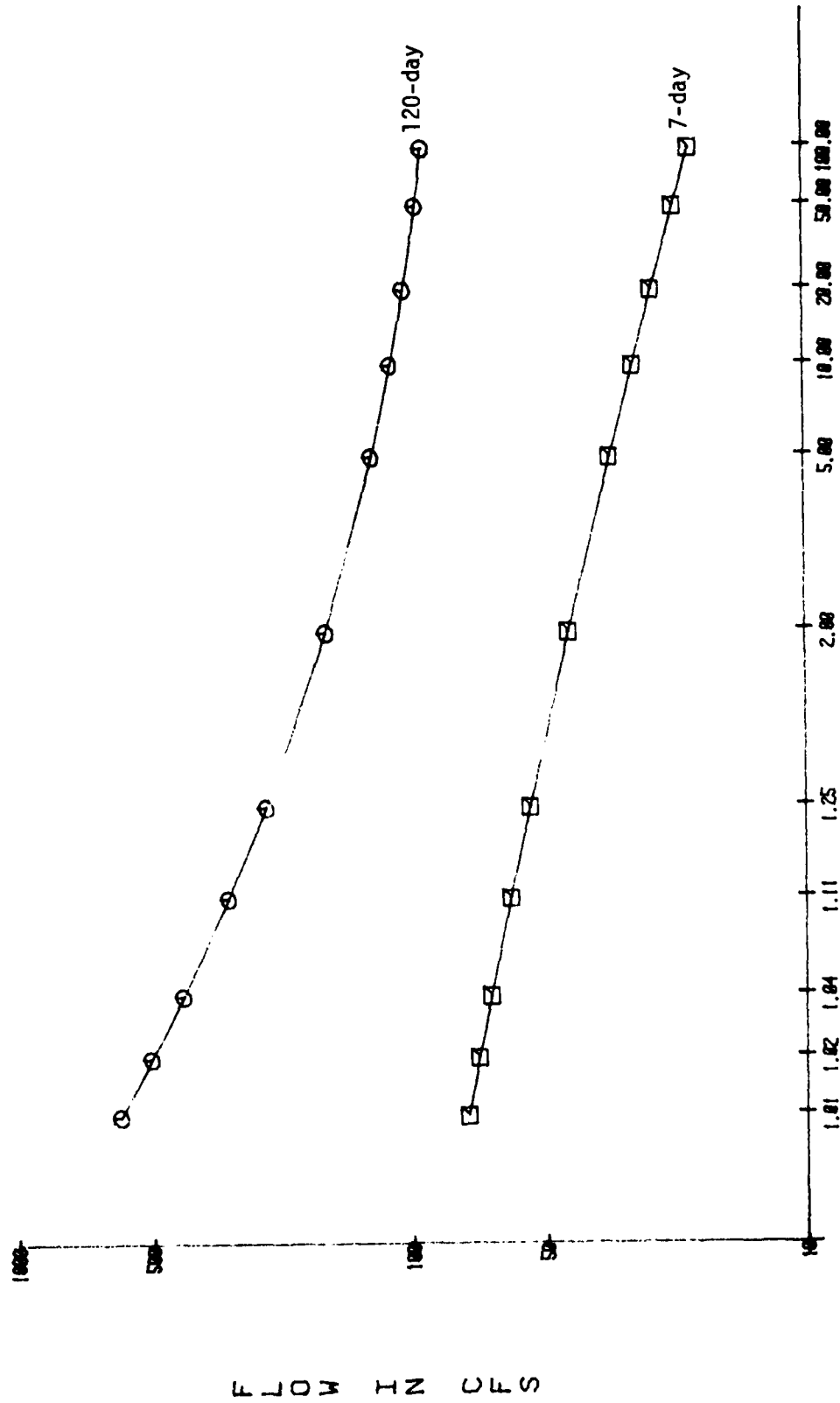


Figure B-1. Regulated Low Flow Frequency Curves for
01417000, East Branch Delaware River at Downsview, N.Y.



RECURRENCE INTERVAL IN YEARS

Figure B-2. Regulated Low Flow Frequency Curves for
01425000, West Branch Delaware River at Stilesville, N.Y.



RECURRENCE INTERVAL IN YEARS

Figure B-3. Regulated Low Flow Frequency Curves for
01426500, West Branch Delaware River at Hale Eddy, N.Y.

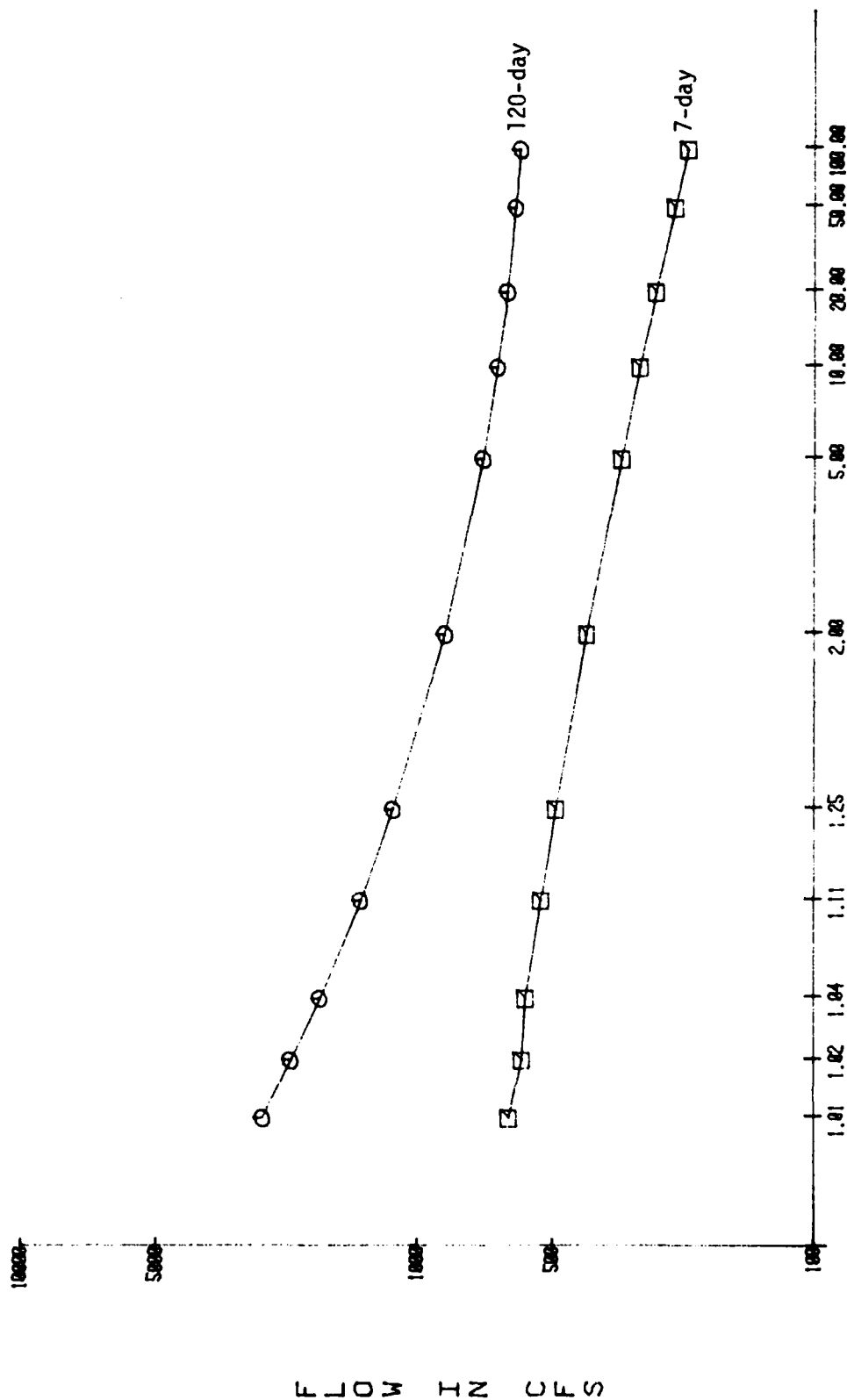


Figure B-4. Regulated Low Flow Frequency Curves for
01427405, Delaware River near Callicoon, N.Y.

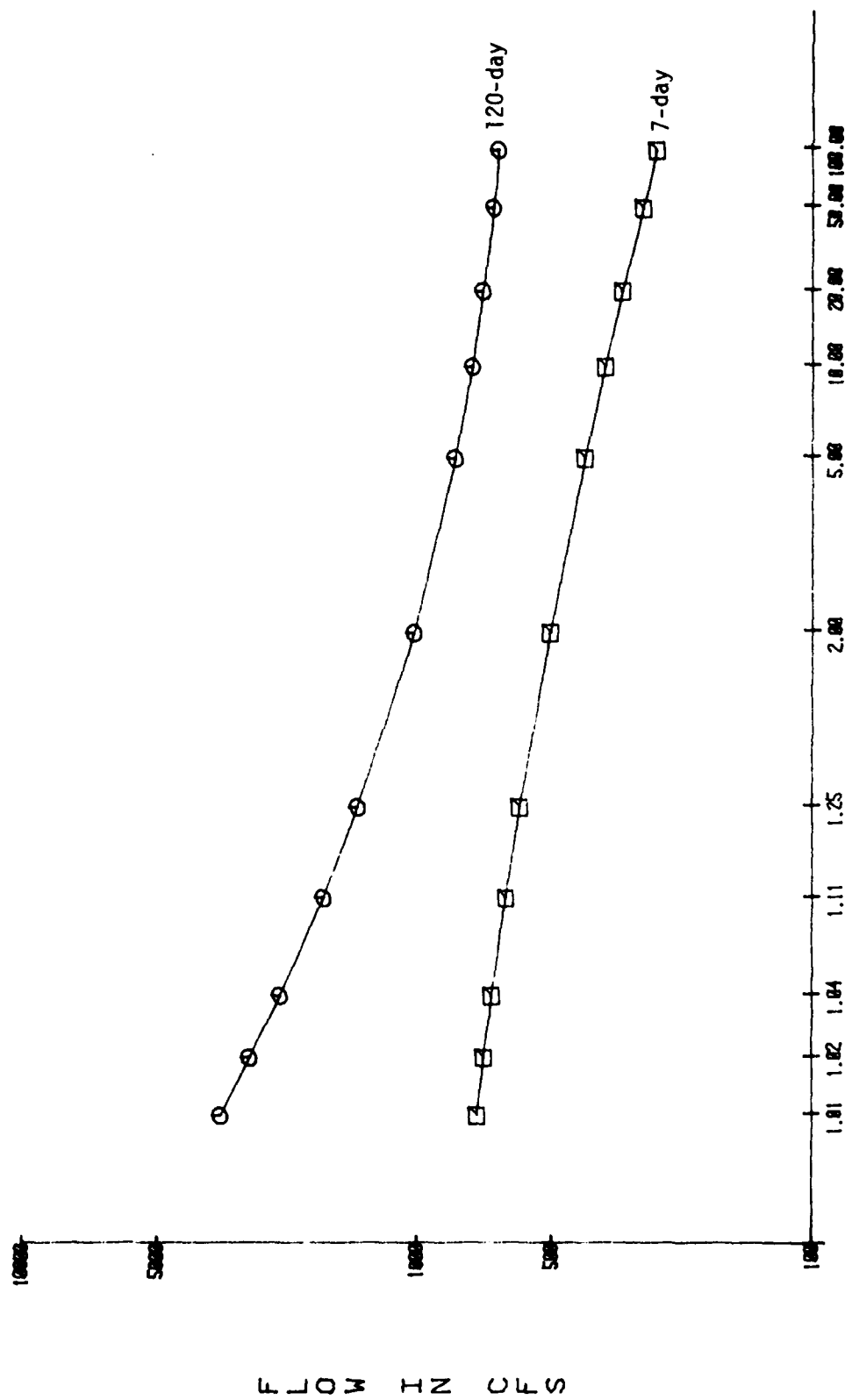


Figure B-5. Regulated Low Flow Frequency Curves for Delaware River near Barryville, N.Y.

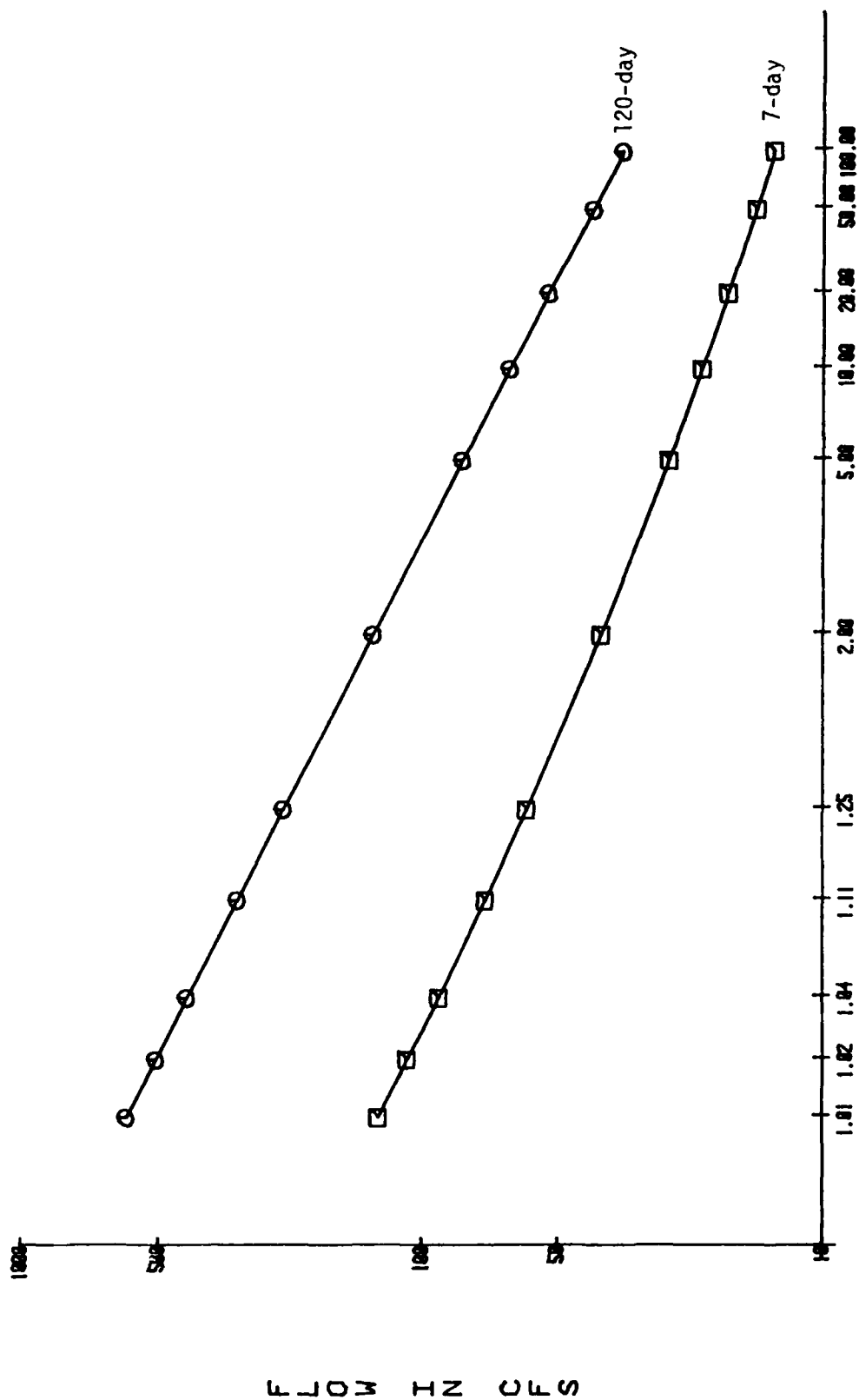


Figure B-6. Regulated Low Flow Frequency Curves for
01431500, Lackawaxen River at Hawley, PA.

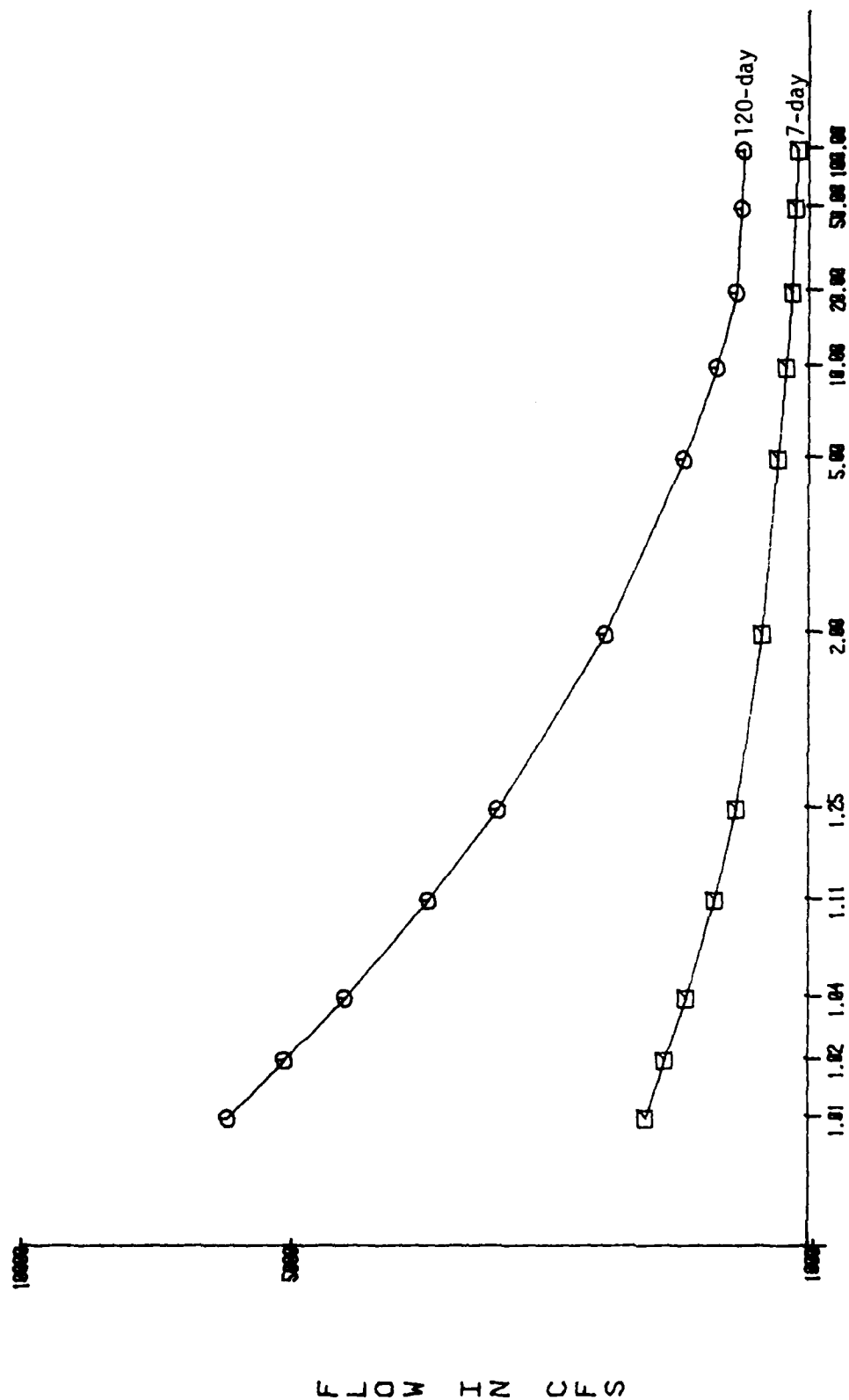


Figure B-7. Regulated Low Flow Frequency Curves for
01434000, Delaware River at Port Jervis, N.Y.

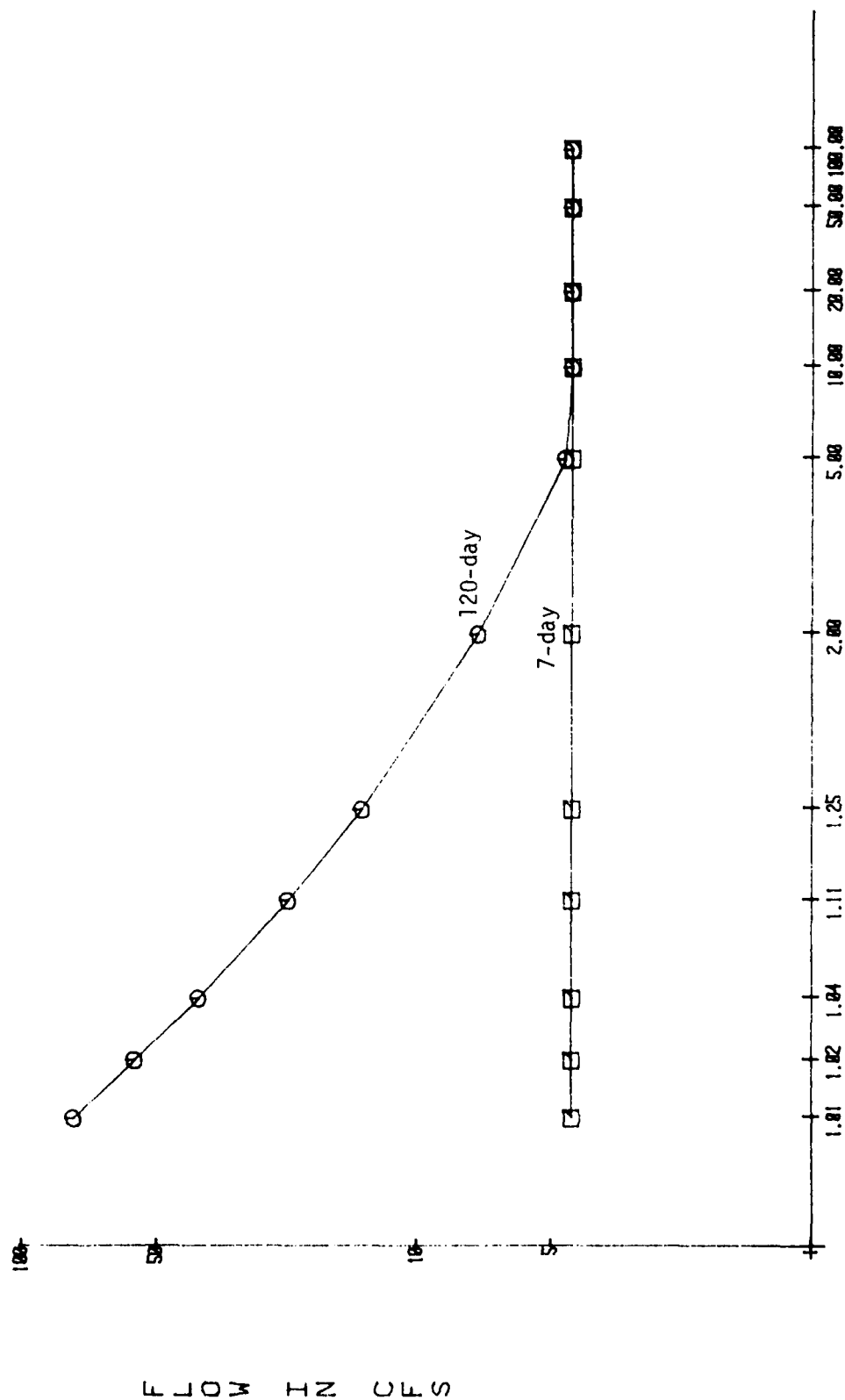


Figure B-8. Regulated Low Flow Frequency Curves for
01436000, Neversink River at Neversink, N.Y.

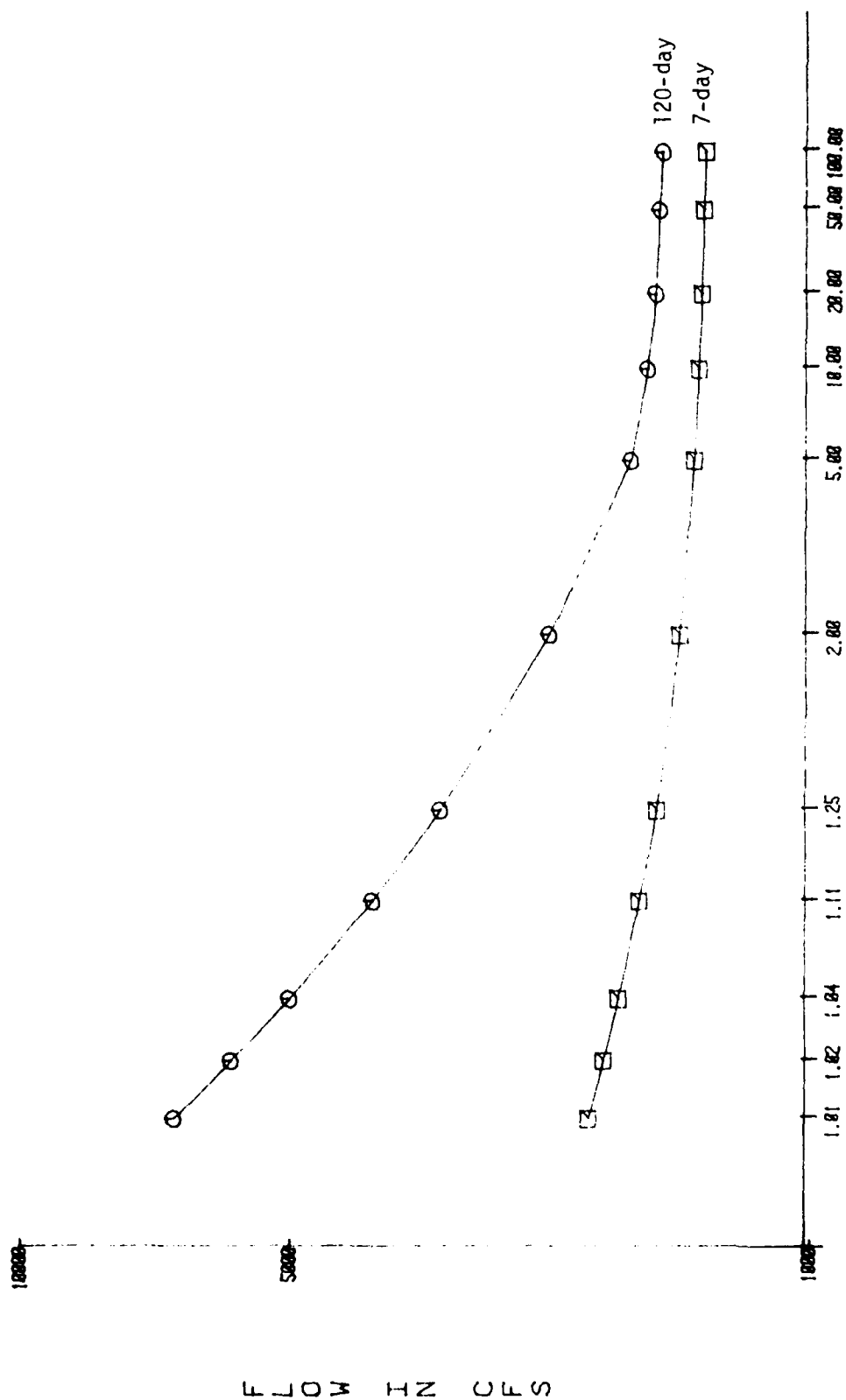
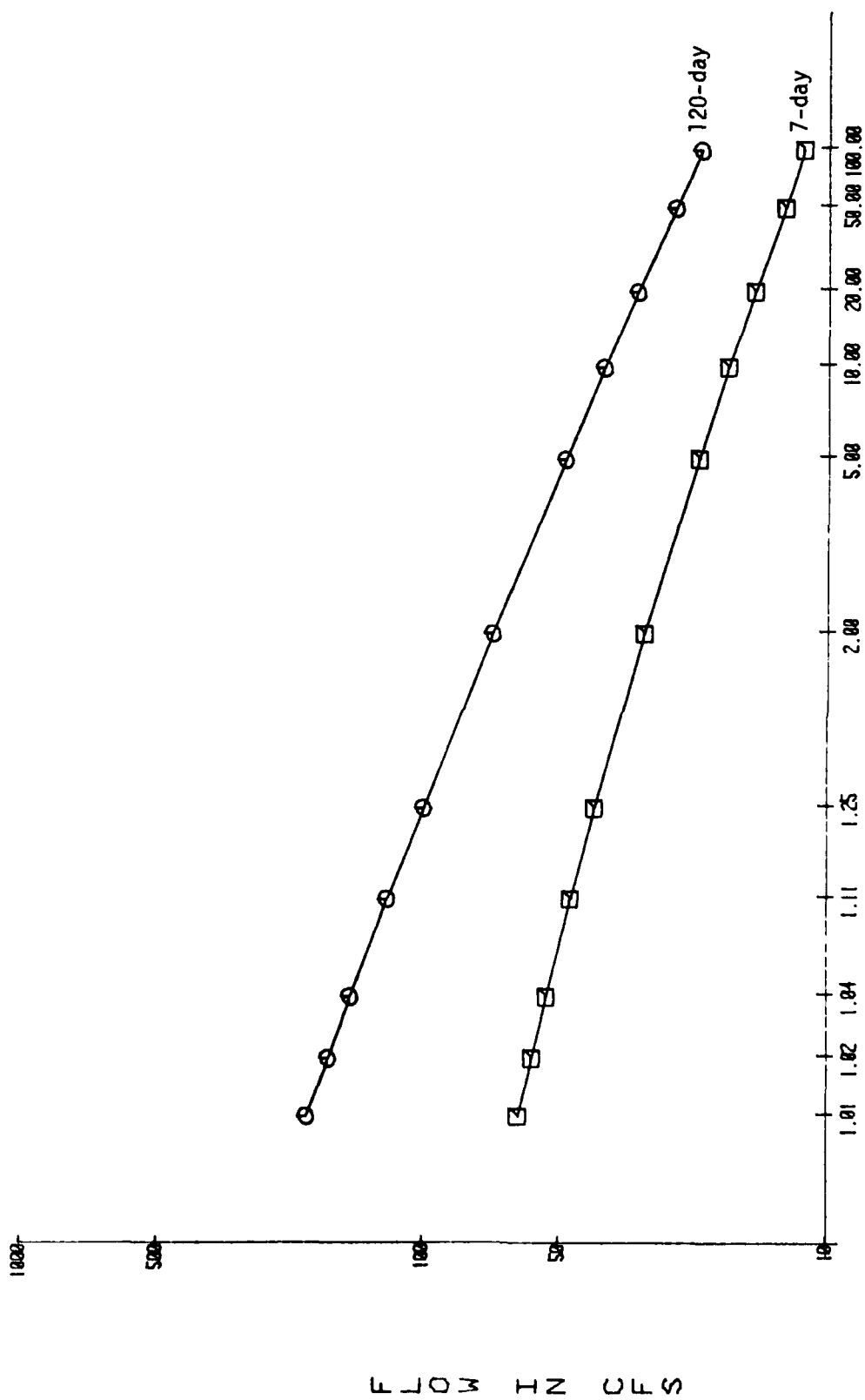
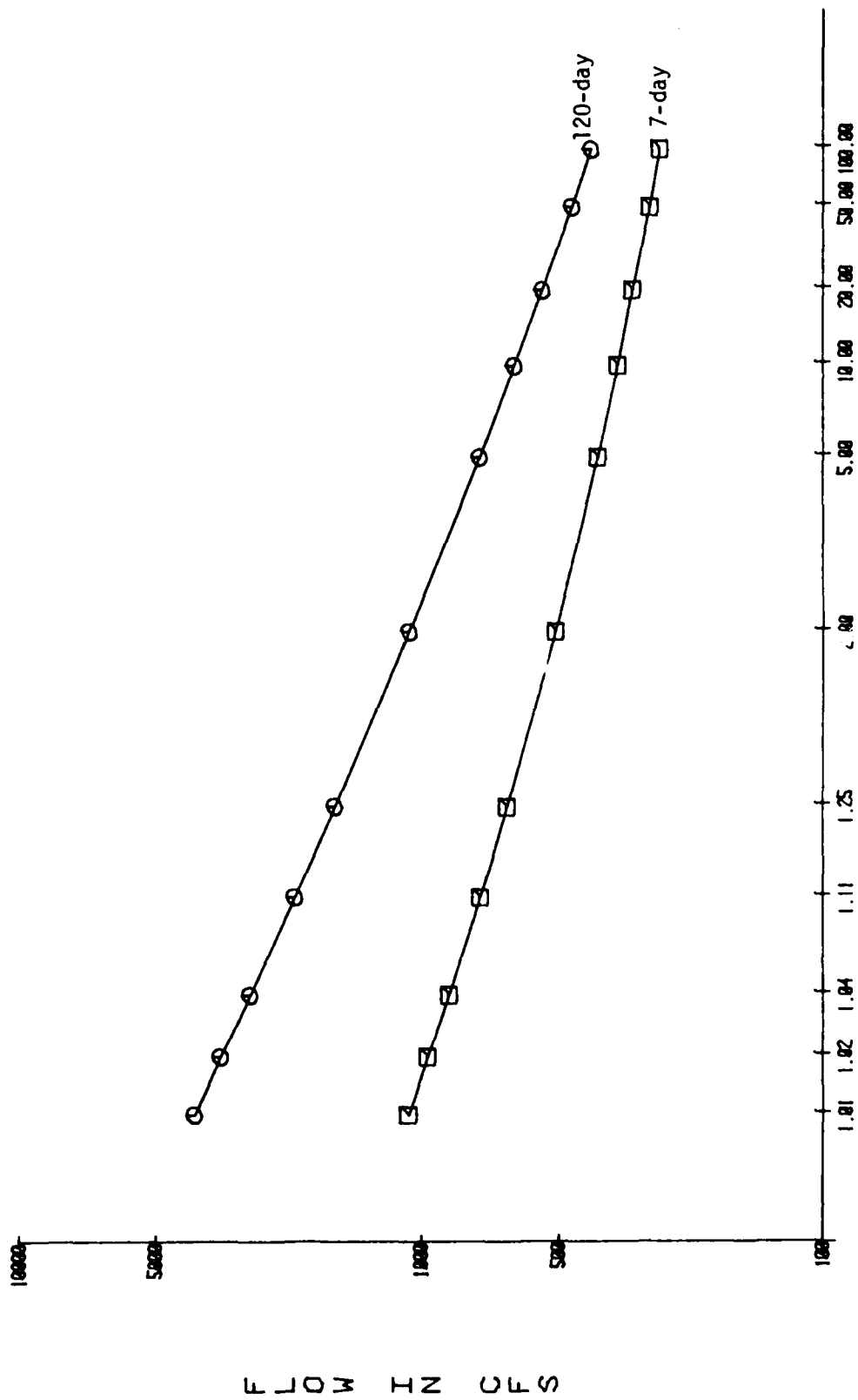


Figure B-9. Regulated Low Flow Frequency Curves for 01438500, Delaware River at Montague, N.J.



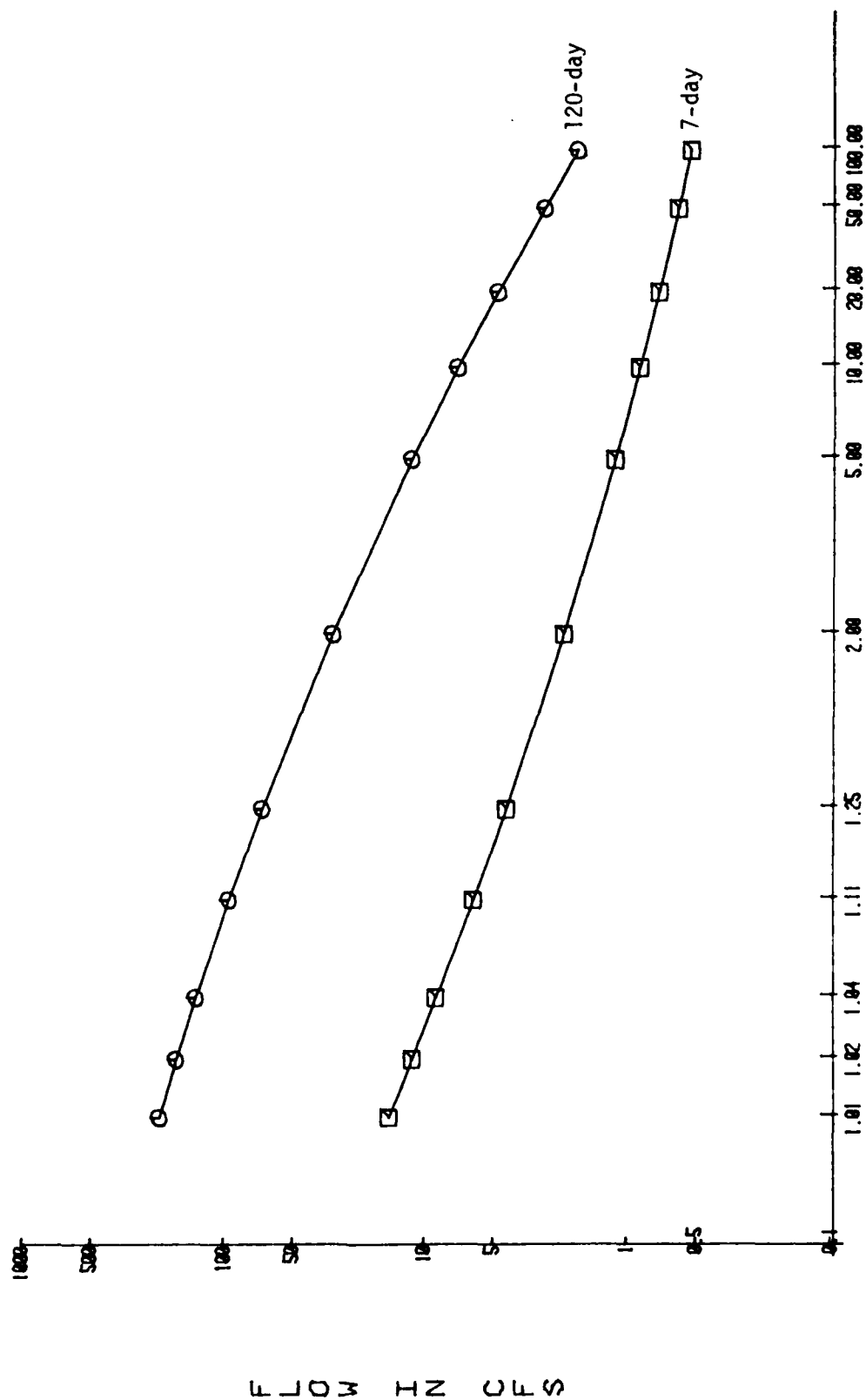
RECURRENCE INTERVAL IN YEARS

Figure B-10. Regulated Low Flow Frequency Curves for
01449800, Pohopoco Creek at Beltzville Dam site, PA.



RECURRENCE INTERVAL IN YEARS

Figure B-11. Regulated Low Flow Frequency Curves for
01453000, Lehigh River at Bethlehem, PA.



RECURRENCE INTERVAL IN YEARS

Figure B-12. Regulated Low Flow Frequency Curves for 01459500, Tohickon Creek at Pipersville, PA.

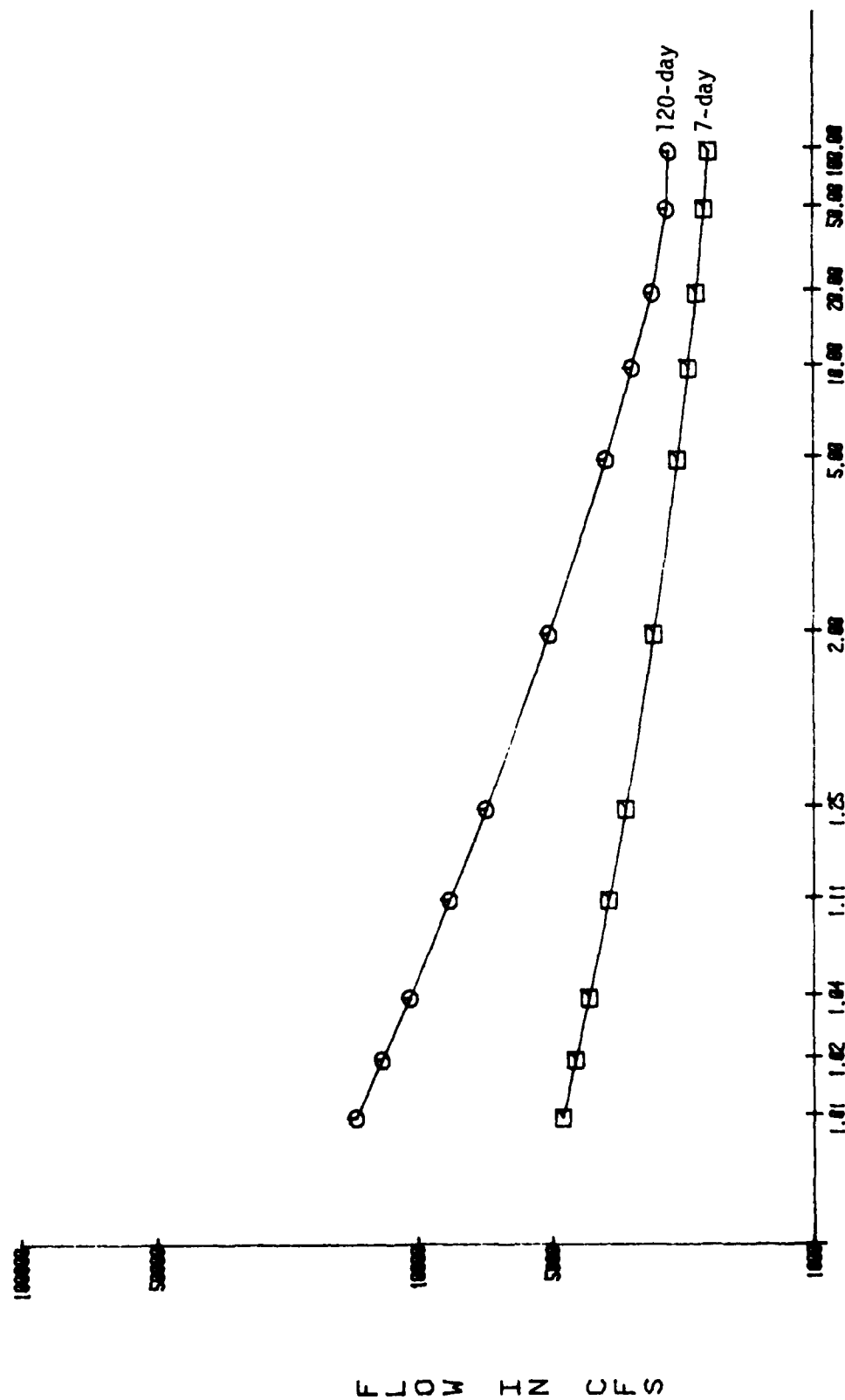
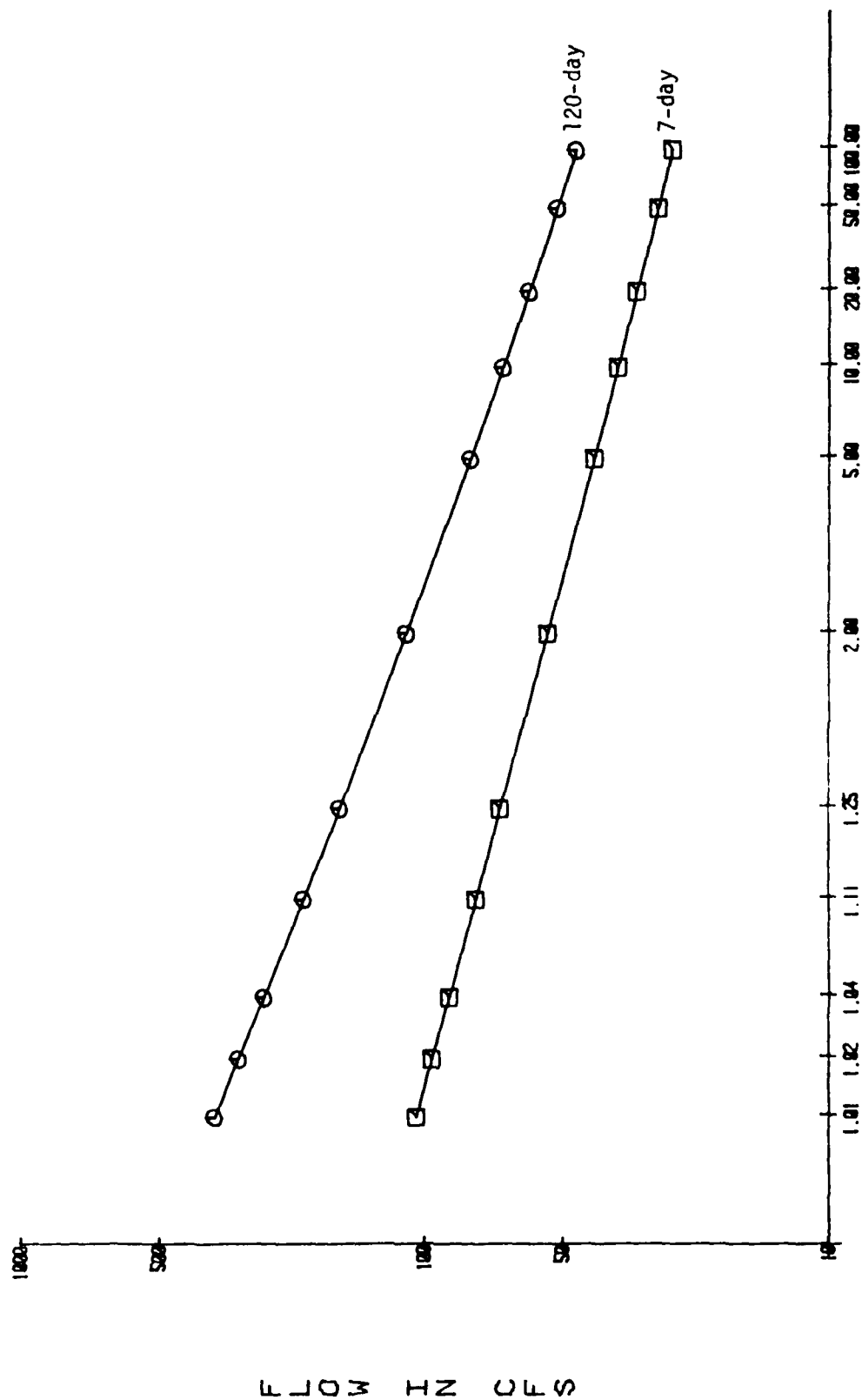


Figure B-13. Regulated Low Flow Frequency Curves for
01463500, Delaware River at Trenton, N.J.



RECURRENCE INTERVAL IN YEARS

Figure B 14. Regulated Low Flow Frequency Curves for 01470960, Tulpehocken Creek at Blue Marsh Damsite, PA.

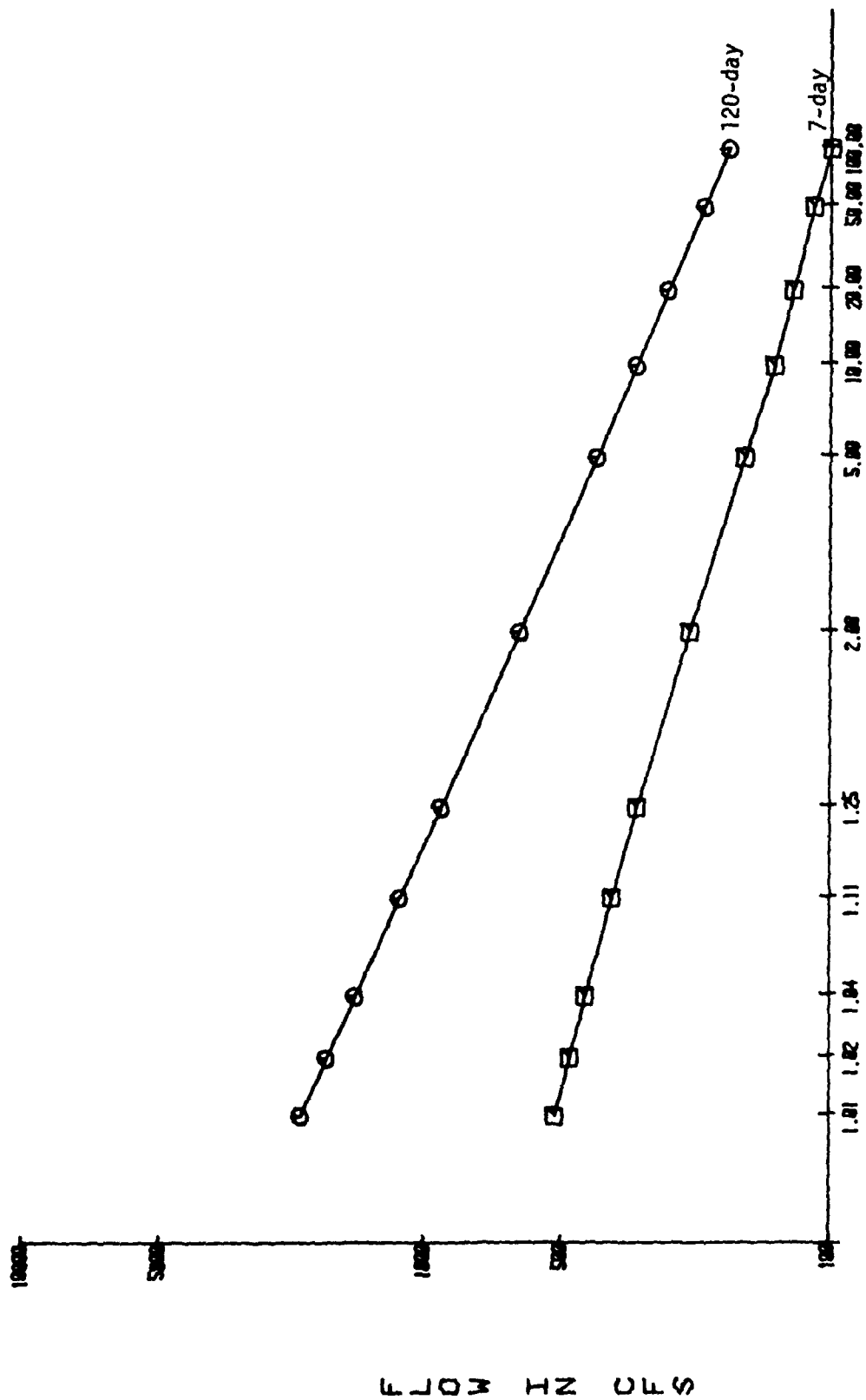


Figure B-15. Regulated Low Flow Frequency Curves for
01471500, Schuylkill River at Reading, PA.

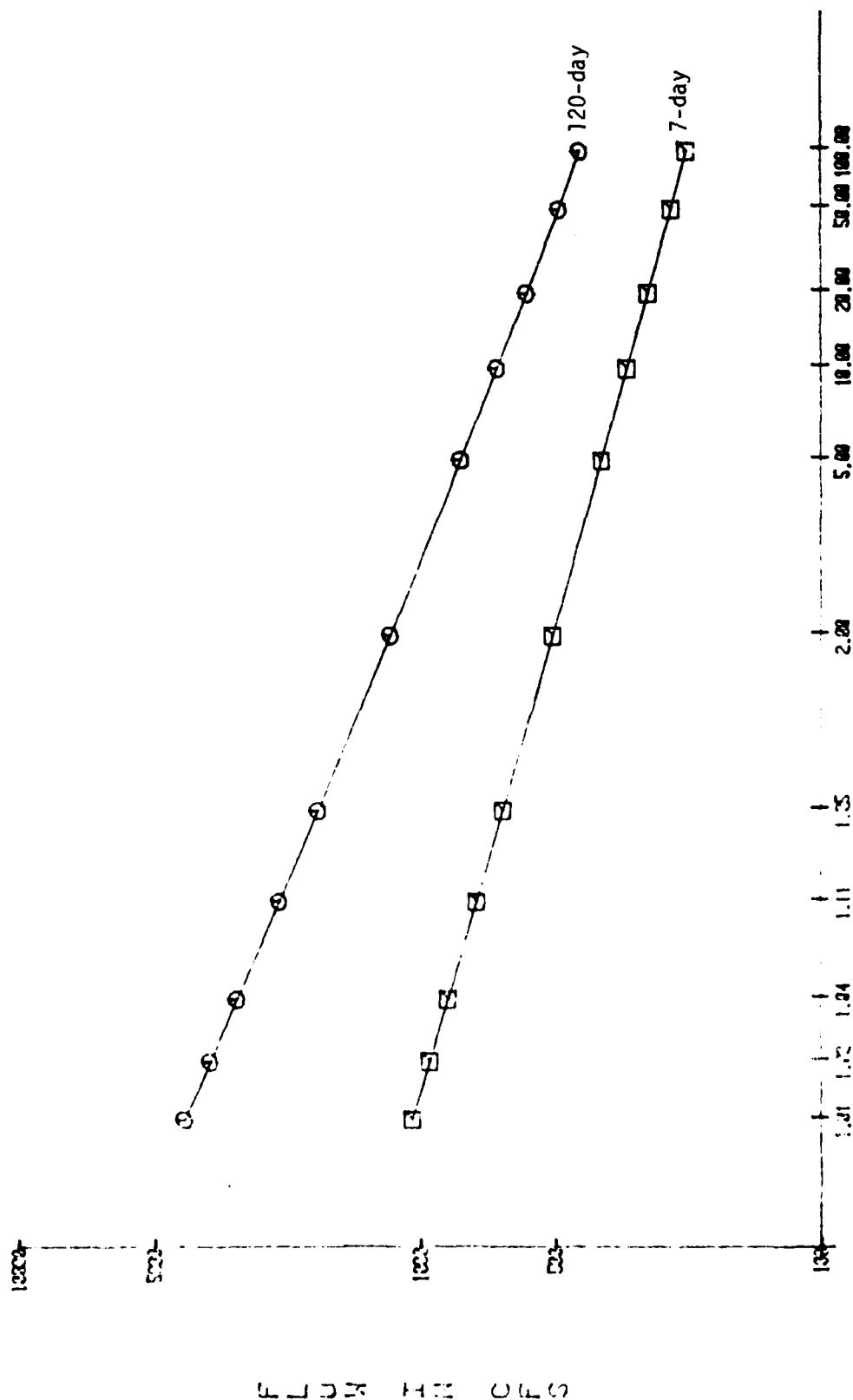


Figure 8-16. Regulated Low Flow Frequency Curves for
 01474500, Schuylkill River at Philadelphia, PA.

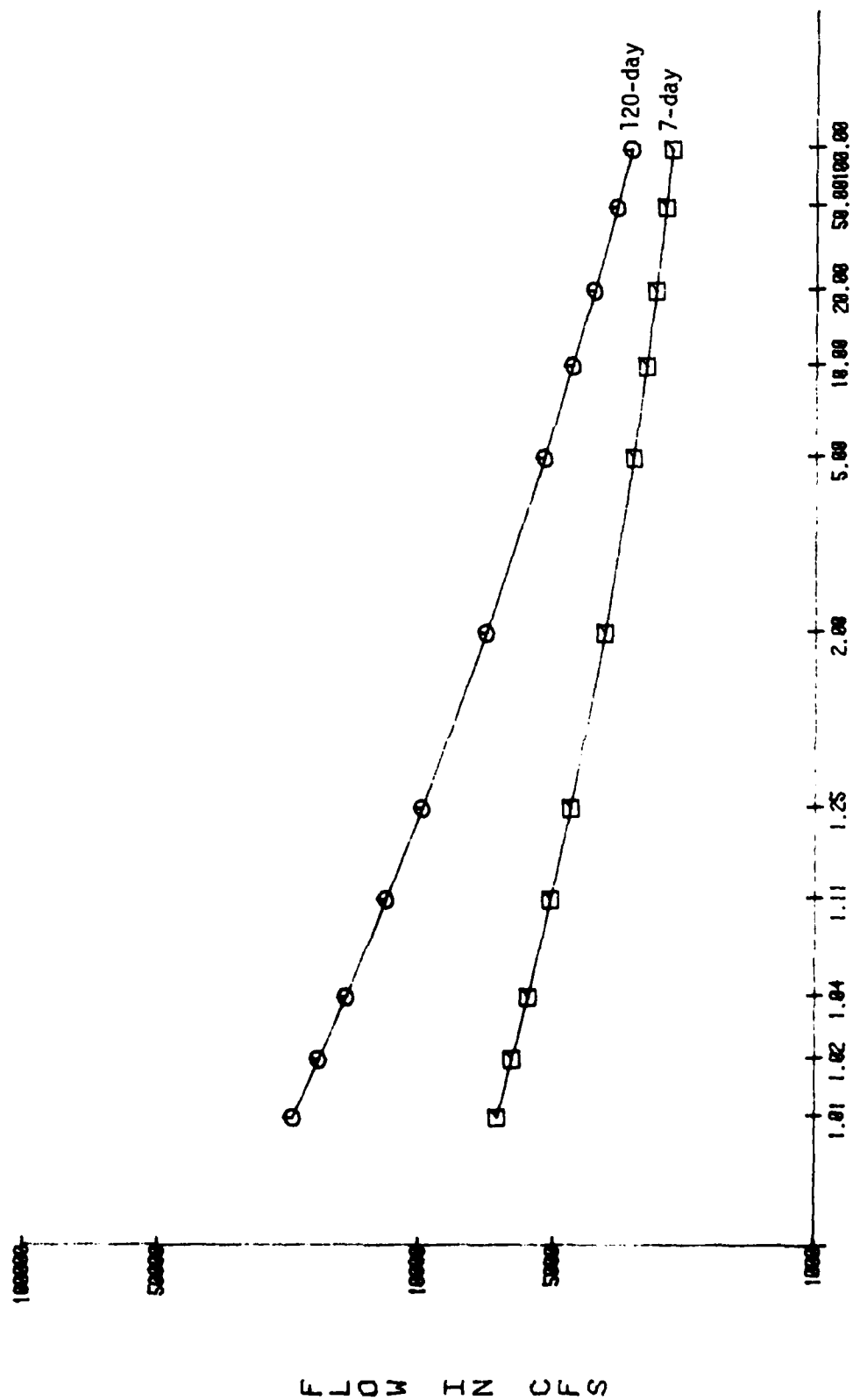


Figure B-17. Regulated Low Flow Frequency Curves for Delaware River Below Mouth of Schuylkill

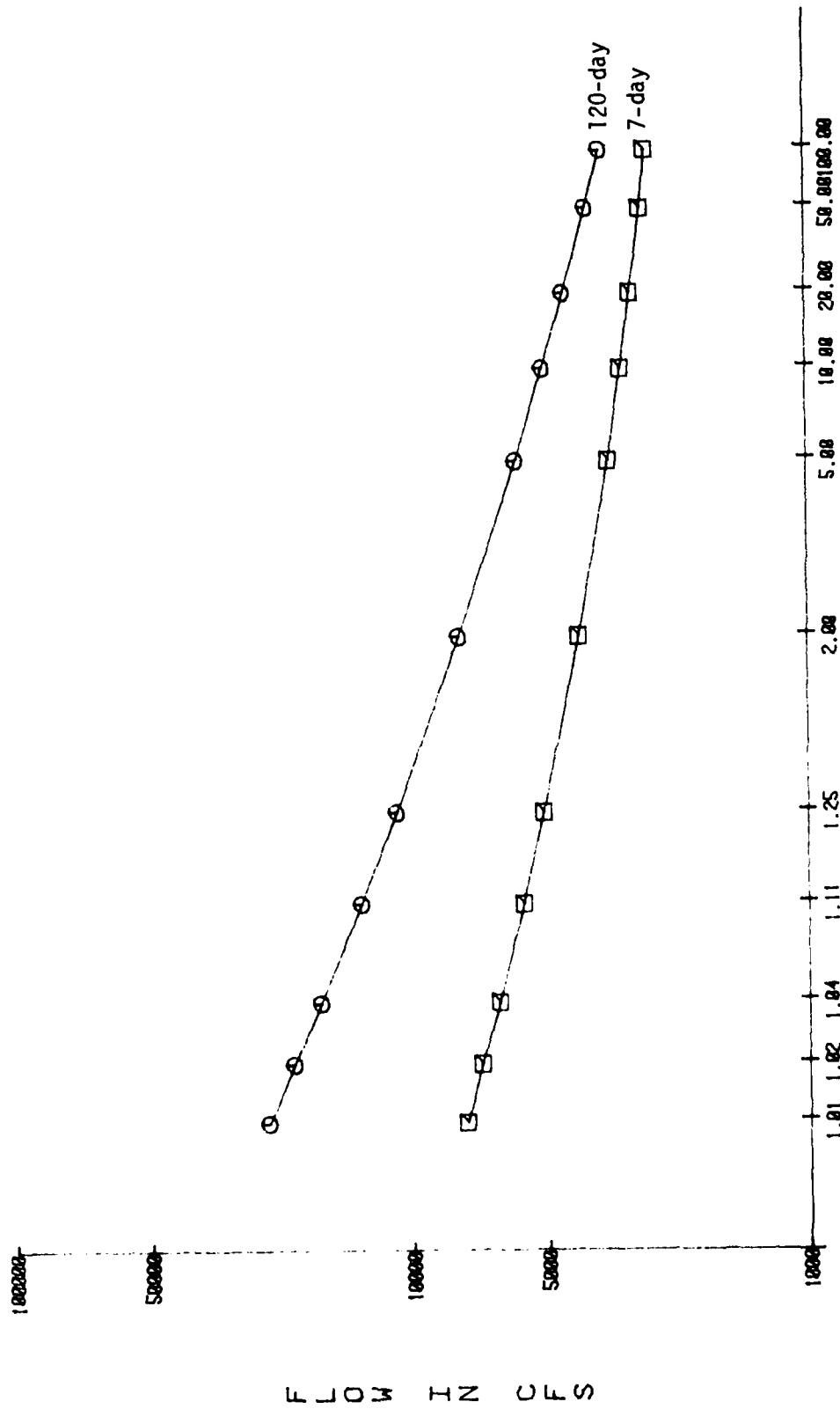


Figure B-18. Regulated Low Flow Frequency Curves for Delaware River at Delaware Memorial Bridge

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APPENDIX C
BASE RUN DAILY FLOWS
DURATION AND FREQUENCY ANALYSIS

TABLE OF CONTENTS

Base Run Duration Table	Table C-1
Base Run Duration Curves	Figures C-1 to C-44
Base Run Low Flow Frequency Tables	Tables C-2.1 to C-2.44
Base Run Low Flow Frequency Curves	Figures C-45 to C-62

TABLE C-1
Base Run Flow Duration Table
(Flow in cfs)

Model Node	Percent of Time Discharge was Equalled or Exceeded									
	1	10	25	50	70	75	80	90	95	99
01417000 East Branch Delaware River at Downsville, N.Y.	2,800	880	83	72	51	48	18	18	6.8	6.2
01421000 East Branch Delaware River at Fishes Eddy, N.Y.	8,000	2,700	1,300	660	440	390	250	190	120	
01425000 West Branch Delaware River at Stilesville, N.Y.	2,900	710	360	44	36	35	21	9.1	8.2	
01426500 West Branch Delaware River at Hale Eddy, N.Y.	3,900	1,000	520	320	170	150	84	62	34	
01427405 Delaware River near Callicoon, N.Y.	16,000	5,000	2,400	1,200	900	840	630	530	370	
01428500 Delaware River near Barryville, N.Y.	20,000	6,200	3,100	1,500	1,100	990	740	620	430	
01429000 Lackawaxen River at Prompton, PA.	660	220	120	60	32	27	15	11	7.0	
01429500 Dyberry Creek near Honesdale, PA.	780	230	98	53	27	22	9.9	7.2	3.7	
01430000 Lackawaxen River at Honesdale, PA.	1,900	600	320	150	82	68	34	26	16	
01431500 Lackawaxen River at Hawley, PA.	3,600	1,100	560	260	130	110	55	42	25	
01434000 Delaware River at Port Jervis, N.Y.	27,000	9,600	5,200	2,700	1,900	1,800	1,400	1,300	1,100	

TABLE C-1
Base Run Flow Duration Table (Cont'd)
(Flow in cfs)

Model Node	1	10	25	50	70	75	90	95	99
01436000 Neversink River at Neversink, N.Y.	870	48	46	41	25	24	6.0	5.5	5.1
01437000 Neversink River at Oakland, N.Y.	1,800	590	330	180	120	110	73	56	33
01438500 Delaware River at Montague, N.J.	31,000	11,000	6,100	3,300	2,200	2,000	1,700	1,600	1,400
01440200 Delaware River below Tocks Island Damsite, PA.	32,000	13,000	7,000	3,800	2,500	2,200	1,800	1,700	1,500
01446500 Delaware River at Belvidere, N.J.	39,000	15,000	8,500	4,600	2,900	2,700	2,100	1,900	1,600
01447800 Lehigh River at White Haven, PA.	3,200	1,200	750	410	250	210	120	90	61
01449800 Pohopoco Creek at Beltzville Damsite, PA.	730	300	190	110	71	62	39	27	19
Aquashicola Creek at Aquashicola Damsite, PA.	730	260	150	85	54	47	29	20	15
01450500 Aquashicola Creek at Palmerton, PA.	840	300	180	99	62	55	33	25	17
01451000 Lehigh River at Walnutport, PA.	9,700	3,800	2,300	1,300	790	680	390	300	210
01451800 Jordan Creek near Schnecksville, PA.	580	170	88	41	21	18	7.9	4.7	2.0
01451200 Jordan Creek at Allentown, PA.	840	240	120	59	31	25	11	6.5	3.7

TABLE C-1
Base Run Flow Duration Table (Cont'd)
(Flow in cfs)

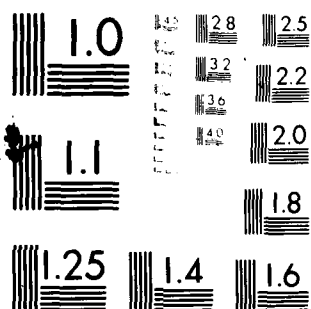
Model Node	1	10	25	50	70	75	90	95	99
Percent of Time Discharge was Equalled or Exceeded									
01453000 Lehigh River at Bethlehem, PA.	12,000	4,900	3,100	1,800	1,100	1,000	640	510	380
01454700 Lehigh River at Glendon, PA.	12,000	5,100	3,200	1,900	1,200	1,100	700	570	420
01456000 Musconetcong River near Hackettstown, N.J.	550	270	170	92	56	49	29	22	13
01457500 Delaware River at Riegelsville, N.J.	51,000	22,000	13,000	7,100	4,600	4,100	3,000	2,600	2,200
01459500 Tohickon Creek at Pipersville, PA.	1,900	320	110	38	15	12	4.1	2.4	1.1
01463500 Delaware River at Trenton, N.J.	54,000	23,000	13,000	7,300	4,600	4,100	2,900	2,500	2,000
01467500 Schuylkill River at Pottsville, PA.	460	190	120	71	48	43	28	23	18
01467950 West Branch Schuylkill River at Cressona, PA.	340	160	100	61	41	37	25	21	16
01468500 Schuylkill River at Landingville, PA.	1,200	480	310	180	120	110	63	50	37
01469500 Schuylkill River at Landingville, PA.	520	180	99	50	30	26	13	8.9	5.8
01470500 Schuylkill River at Landingville, PA.	1,000	440	290	170	120	100	61	50	37

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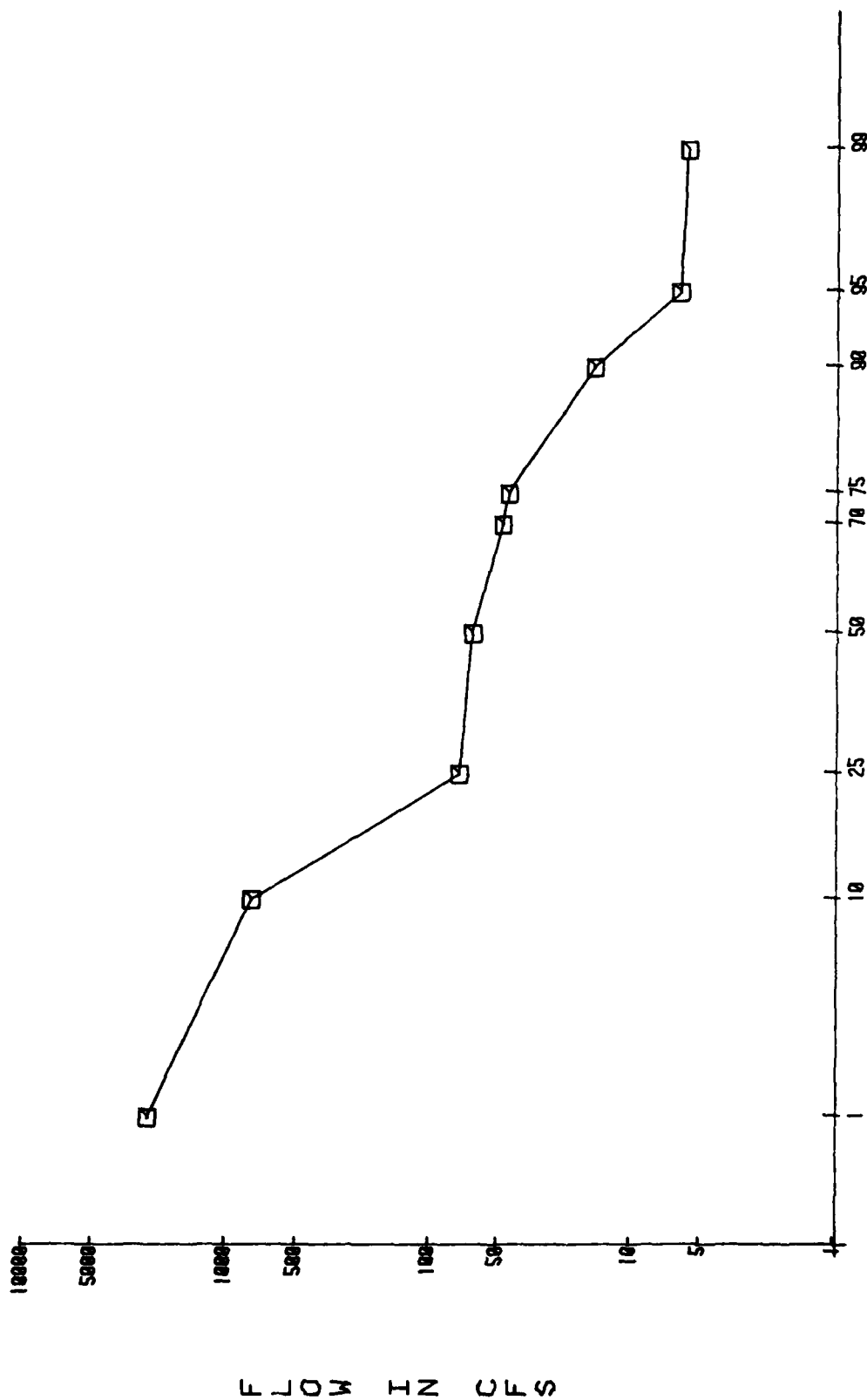
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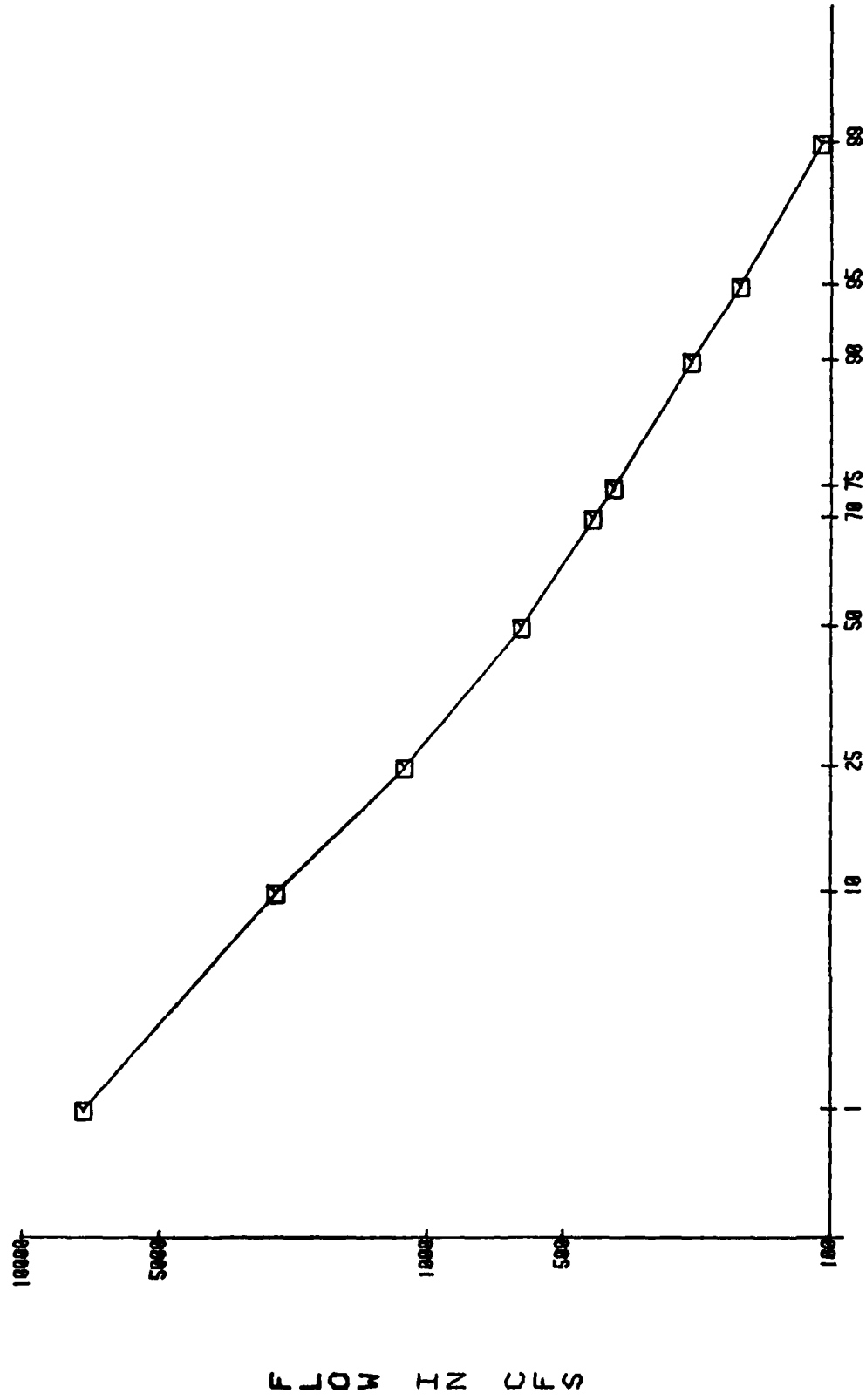
TABLE C-1
Base Run Flow Duration Table (Cont'd)
(Flow in cfs)

Model Node	Percent of Time Discharge was Equalled or Exceeded								
	1	10	25	50	70	75	90	95	99
01470500 Schuylkill River at Berne, PA.	1,500	460	240	120	66	56	32	25	16
01470756 Maiden Creek at Virginville, PA.	1,400	470	290	160	99	86	50	41	41
01470960 Tulpehocken Creek at Blue Marsh Dam site, PA.	1,300	490	310	180	120	100	67	55	39
01471000 Tulpehocken Creek at Reading, PA.	1,500	580	370	210	140	120	81	66	49
01471500 Schuylkill River at Reading, PA.	8,600	3,200	1,800	950	570	500	300	230	160
01472000 Schuylkill River at Pottstown, PA.	9,800	3,800	2,300	1,300	810	720	450	360	260
01473000 Perkiomen Creek at Graterford, PA.	4,000	790	340	160	85	74	45	37	22
01474500 Schuylkill River at Philadelphia, PA.	17,000	6,100	3,500	1,900	1,100	1,000	620	490	350
Delaware River below Schuylkill Confluence	73,000	33,000	19,000	11,000	6,700	5,900	4,000	3,300	2,600
Delaware River at Delaware Memorial Bridge	78,000	35,000	21,000	12,000	7,400	6,600	4,400	3,600	2,800



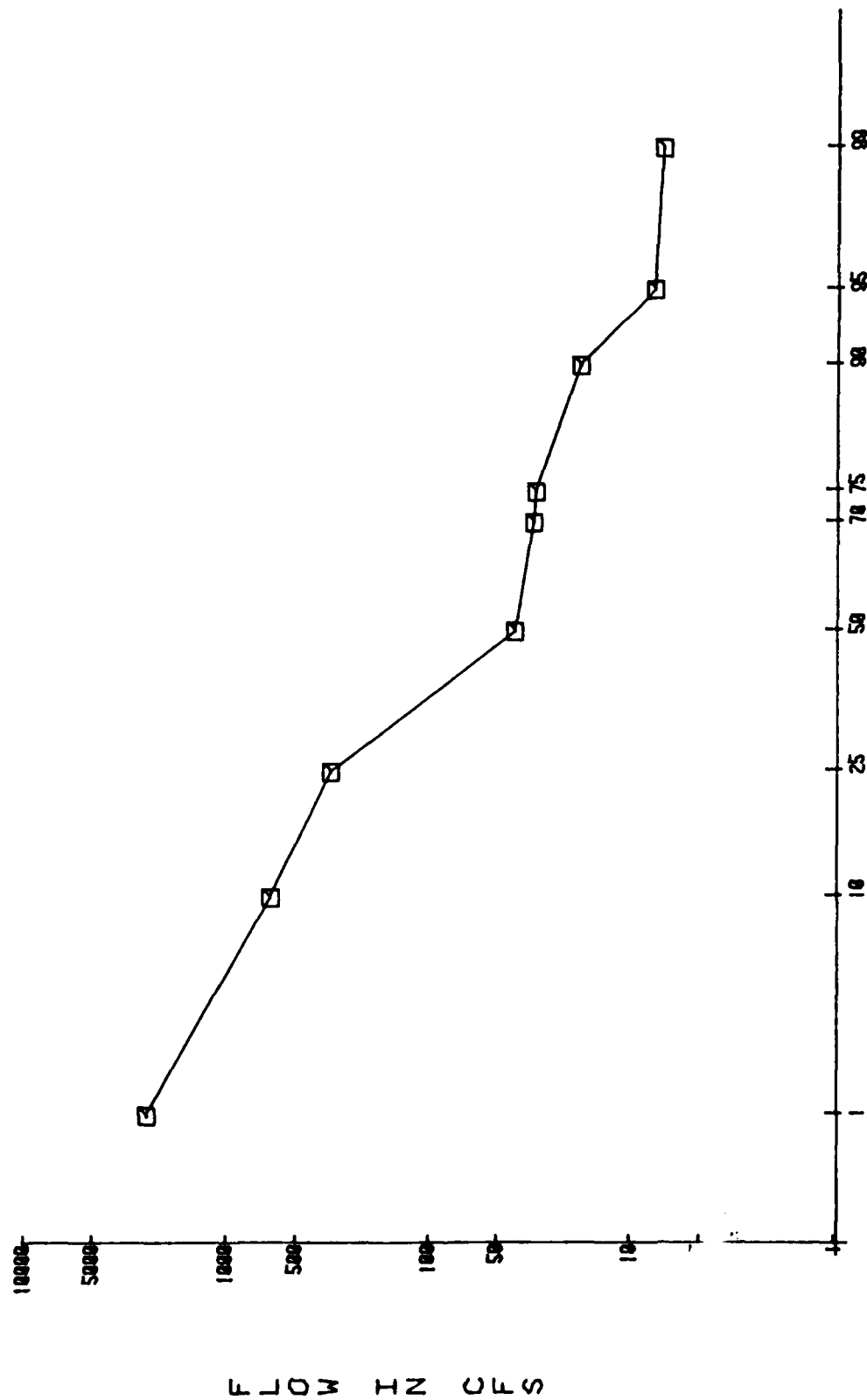
PERCENT TIME EQUALED OR EXCEEDED

Figure C-1. Base Run Flow Duration Curve for
01417000, East Branch Delaware River
at Downsville, N.Y.



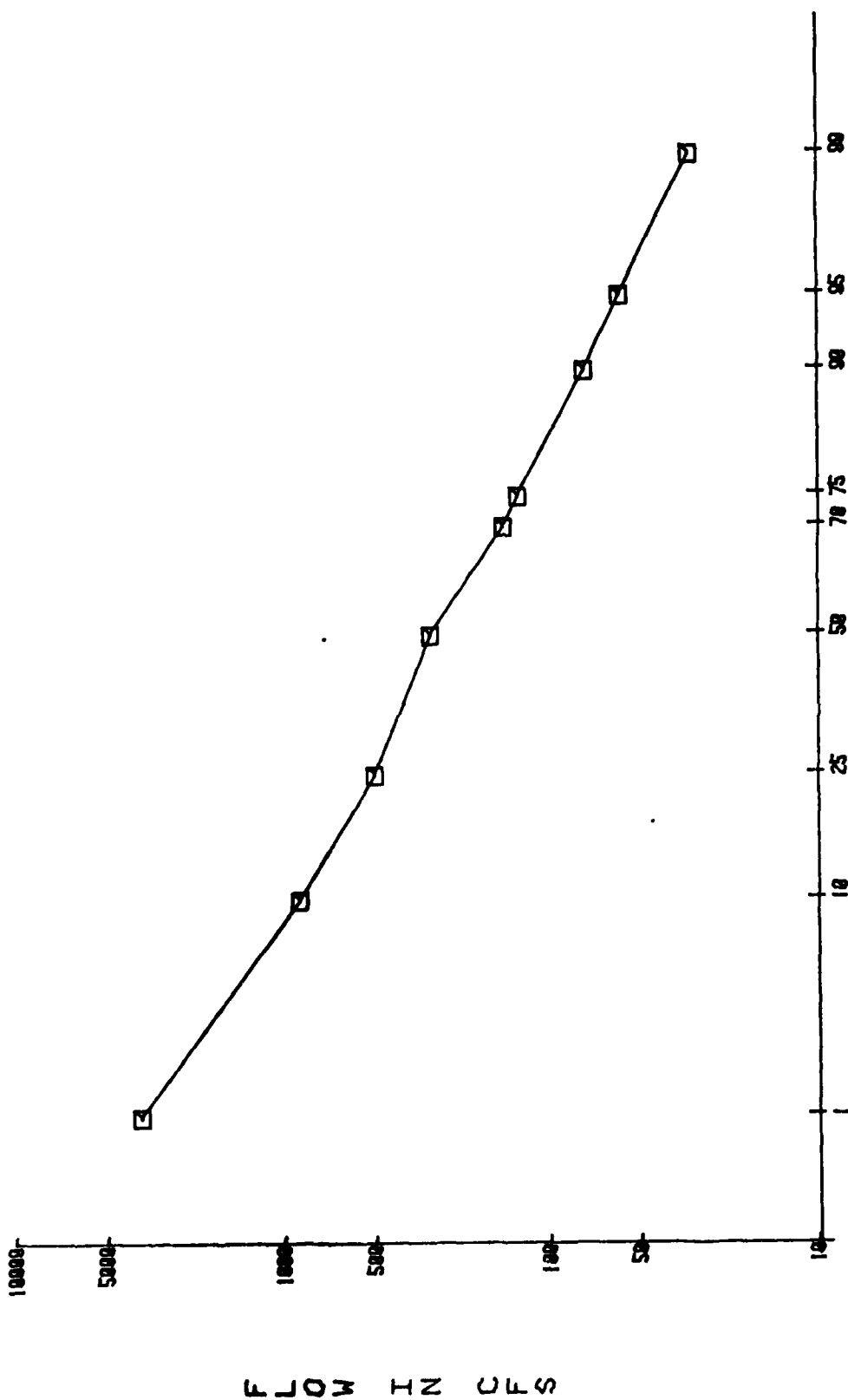
PERCENT TIME EQUALED OR EXCEEDED

Figure C-2. Base Run Flow Duration Curve for
01421000, East Branch Delaware River
at Fishs Eddy, N.Y.



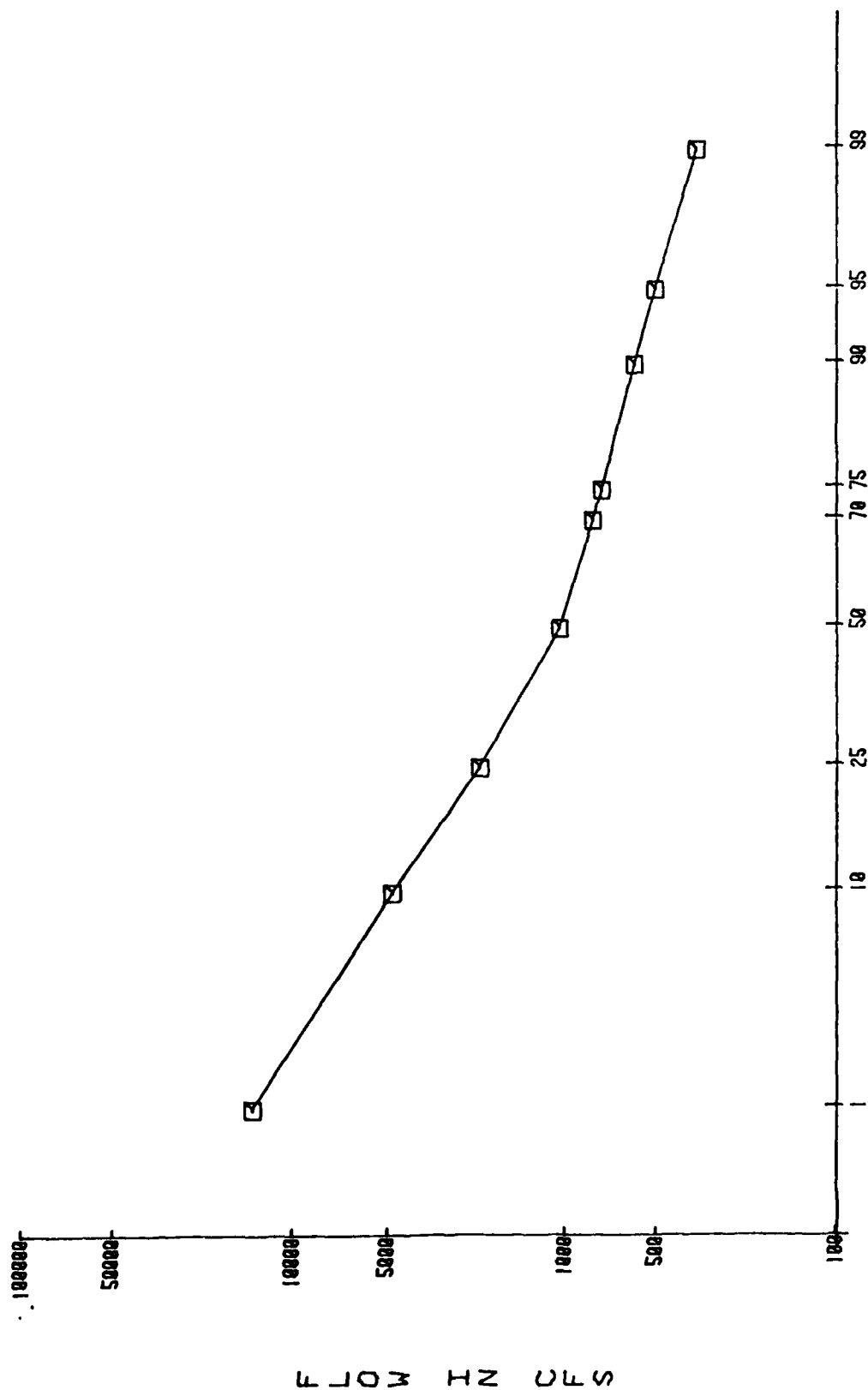
PERCENT TIME EQUALED OR EXCEEDED

Figure C-3. Base Run Flow Duration Curve for
01425000, West Branch Delaware River
at Stilesville, N.Y.

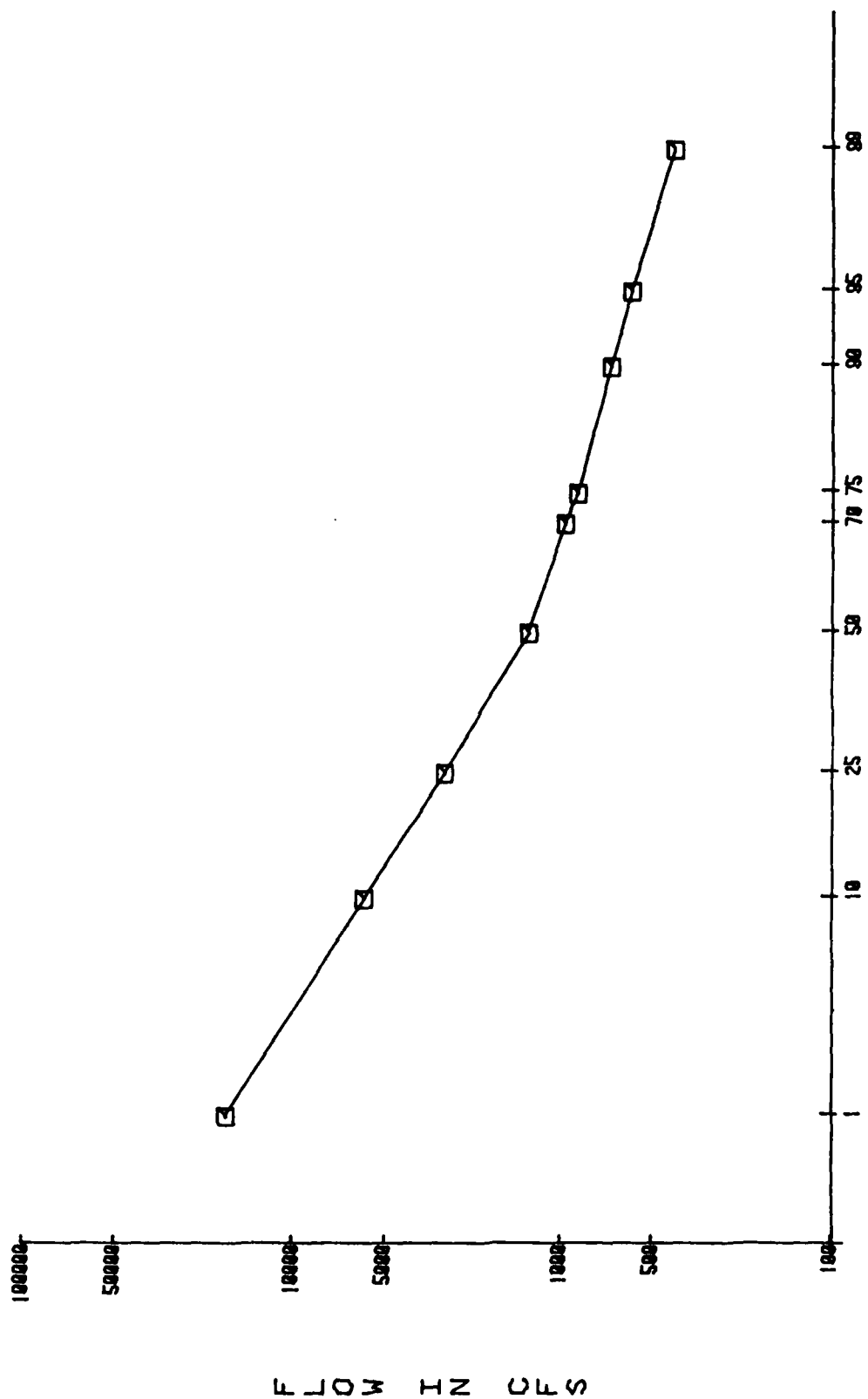


PERCENT TIME EQUALED OR EXCEEDED

Figure C-4. Base Run Flow Duration Curve for
01426500, West Branch Delaware River
at Hale Eddy, N.Y.

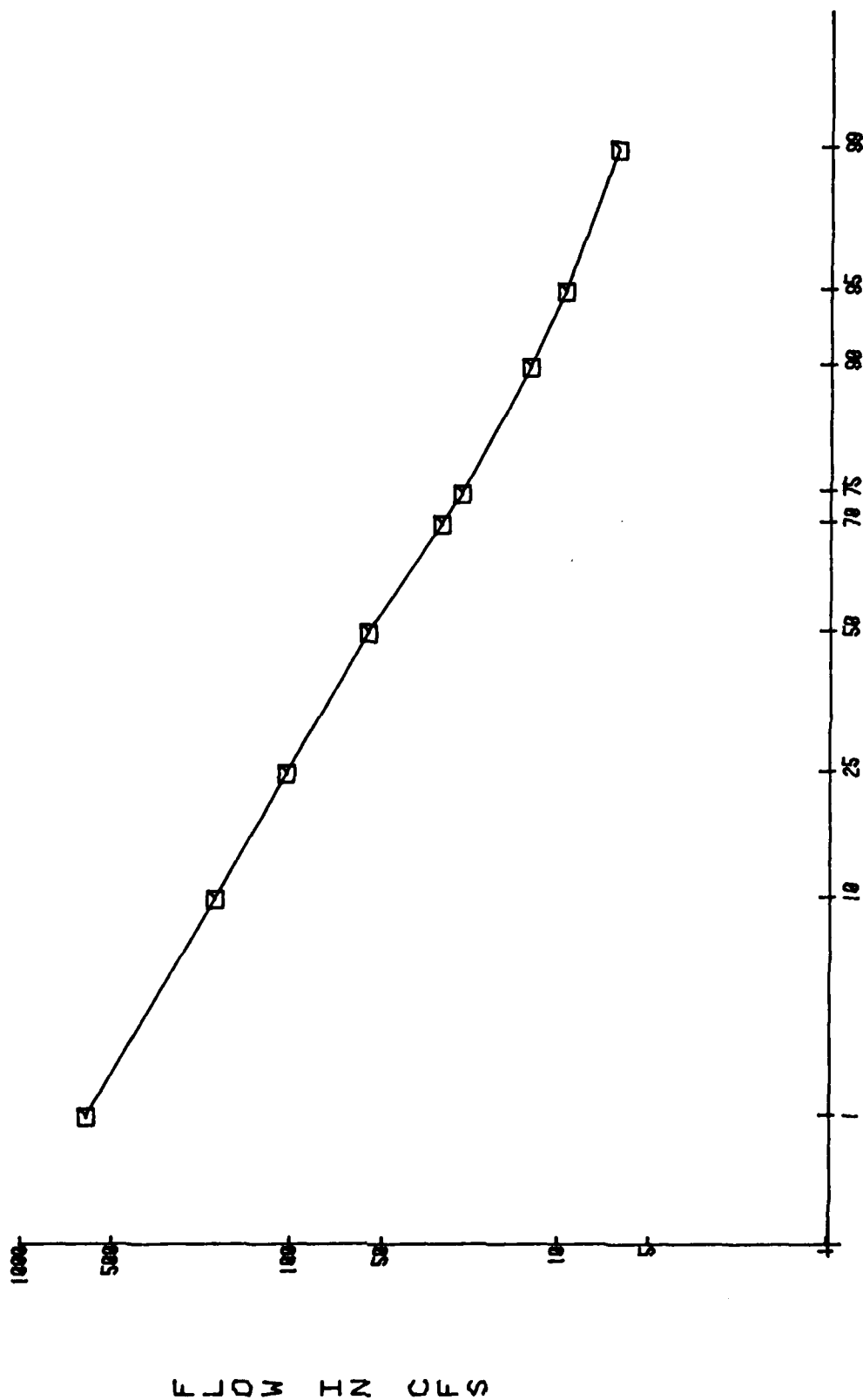


PERCENT TIME EQUALED OR EXCEEDED
 Figure C-5. Base Run Flow Duration Curve for
 01427405, Delaware River near Callicoon, N.Y.

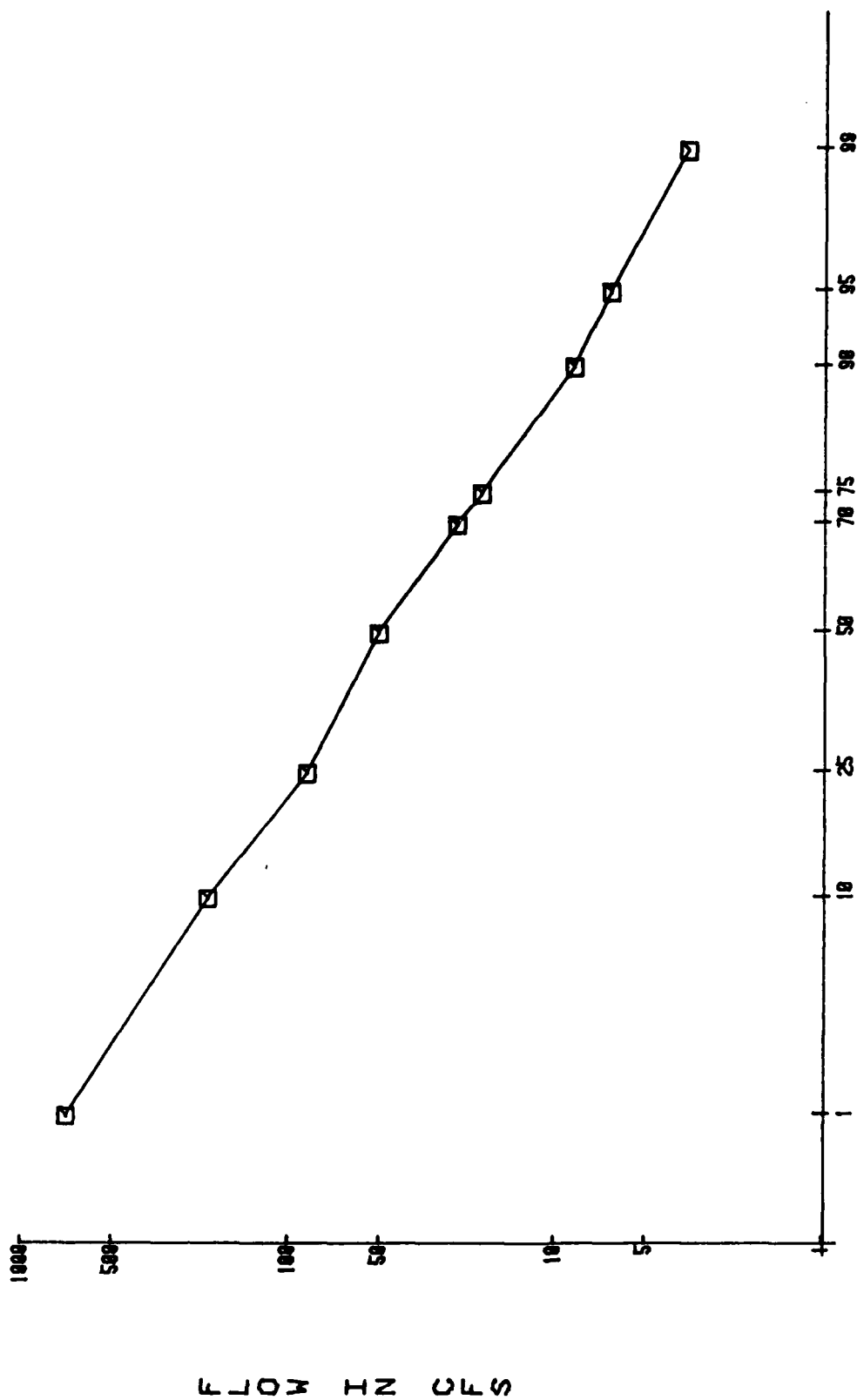


PERCENT TIME EQUALED OR EXCEEDED

Figure C-6. Base Run Flow Duration Curve for
01428500, Delaware River near Barryville, N.Y.

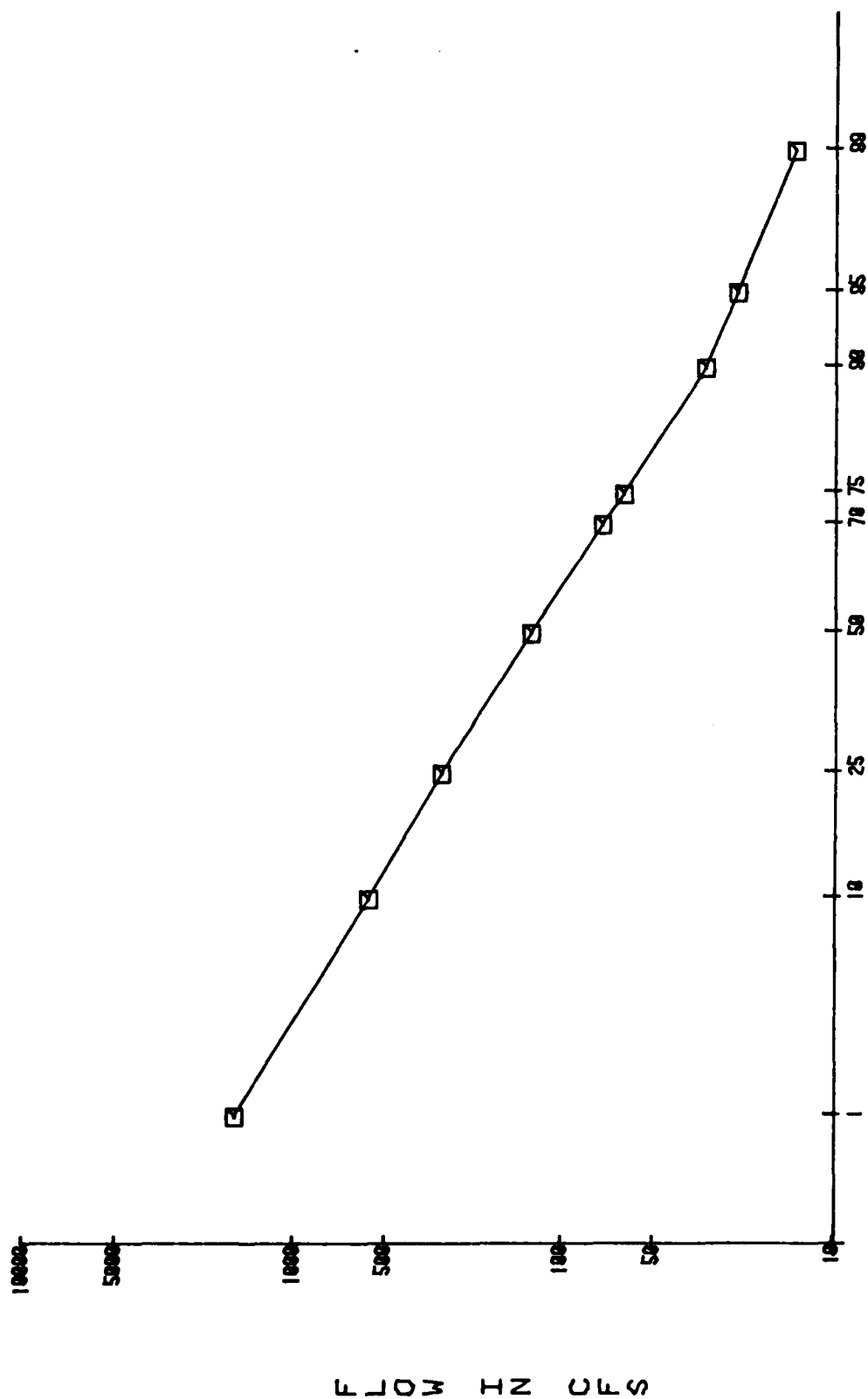


PERCENT TIME EQUALED OR EXCEEDED
 Figure C-7. Base Run Flow Duration Curve for
 01429000, Lackawaxen River at Prompton, PA.



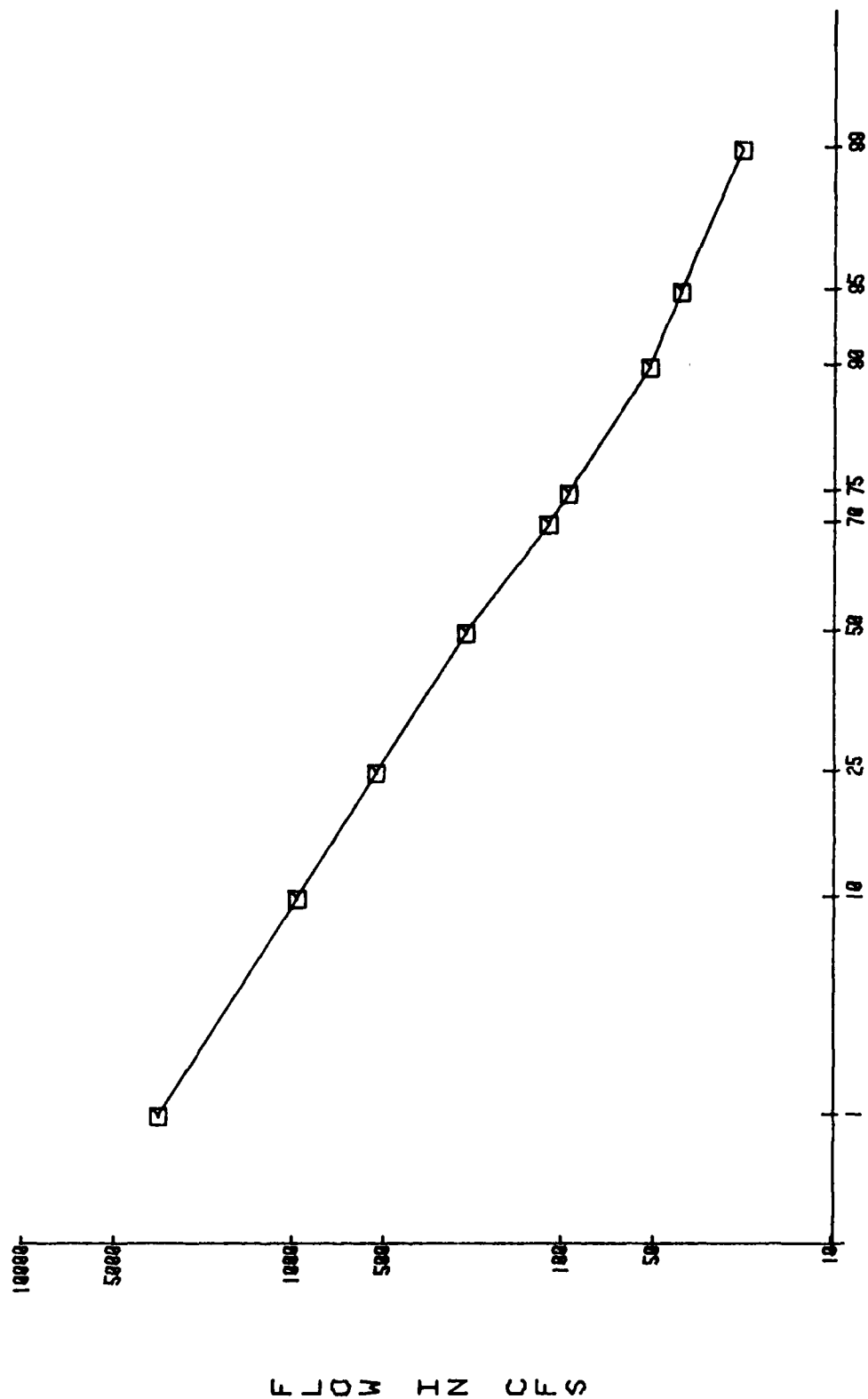
PERCENT TIME EQUALED OR EXCEEDED

Figure C-8. Base Run Flow Duration Curve for
01429500, Dyberry Creek Near Honesdale, PA.



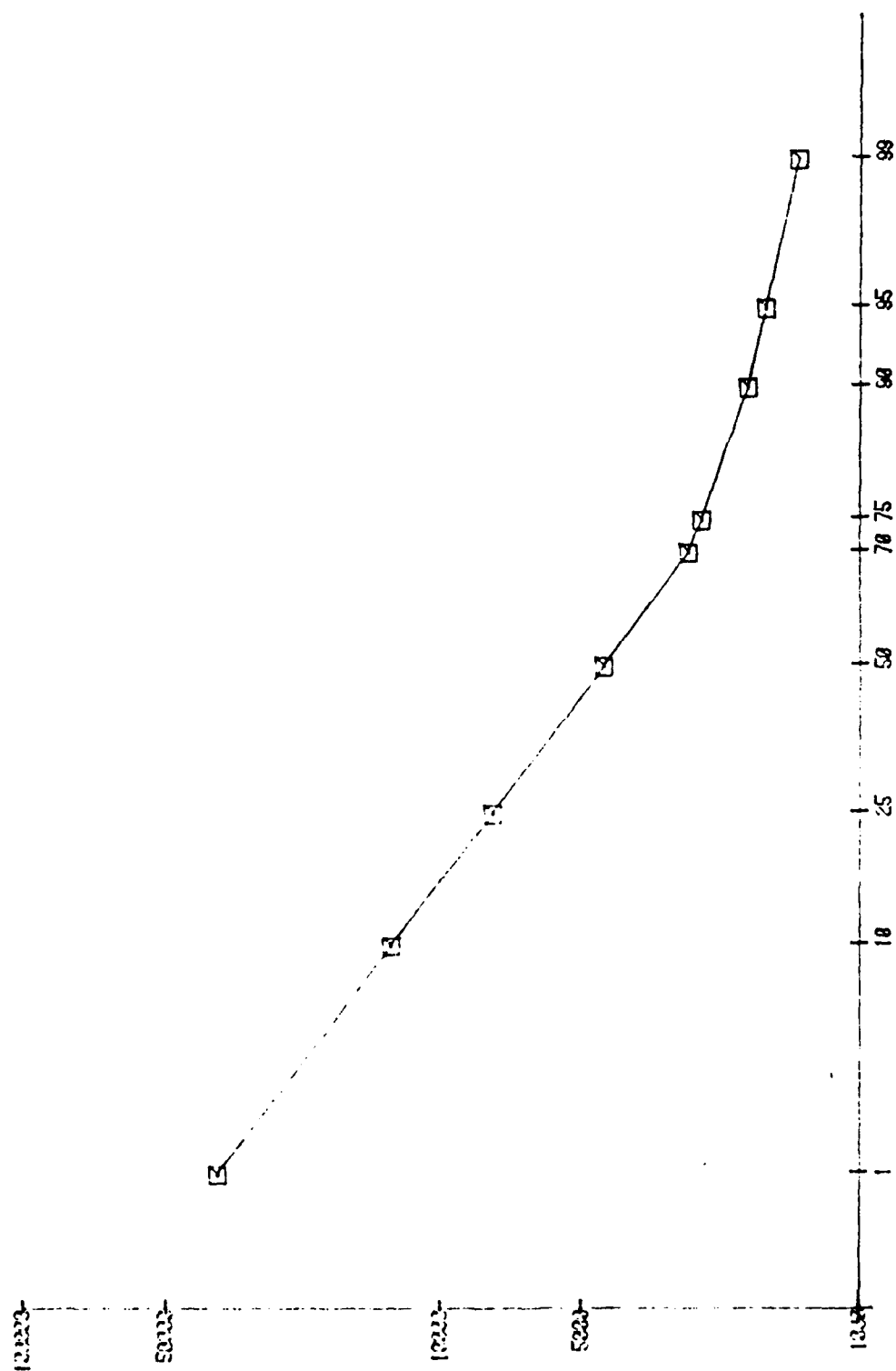
PERCENT TIME EQUALED OR EXCEEDED

Figure C-9. Base Run Flow Duration Curve for
01430000, Lackawaxen River at Honesdale, PA.



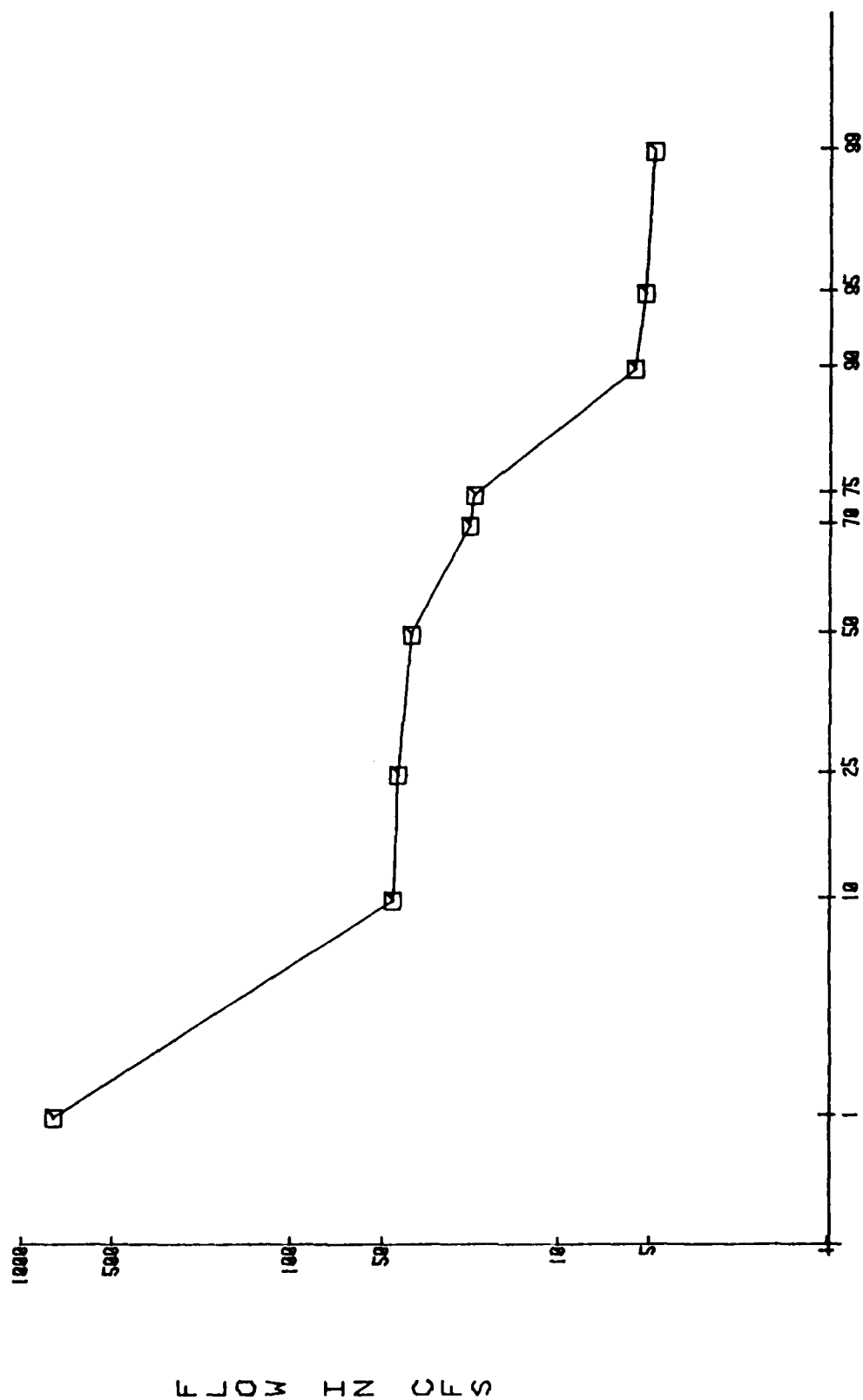
PERCENT TIME EQUALED OR EXCEEDED

Figure C-10. Base Run Flow Duration Curve for
01431500, Lackawaxen River at Hawley, PA.

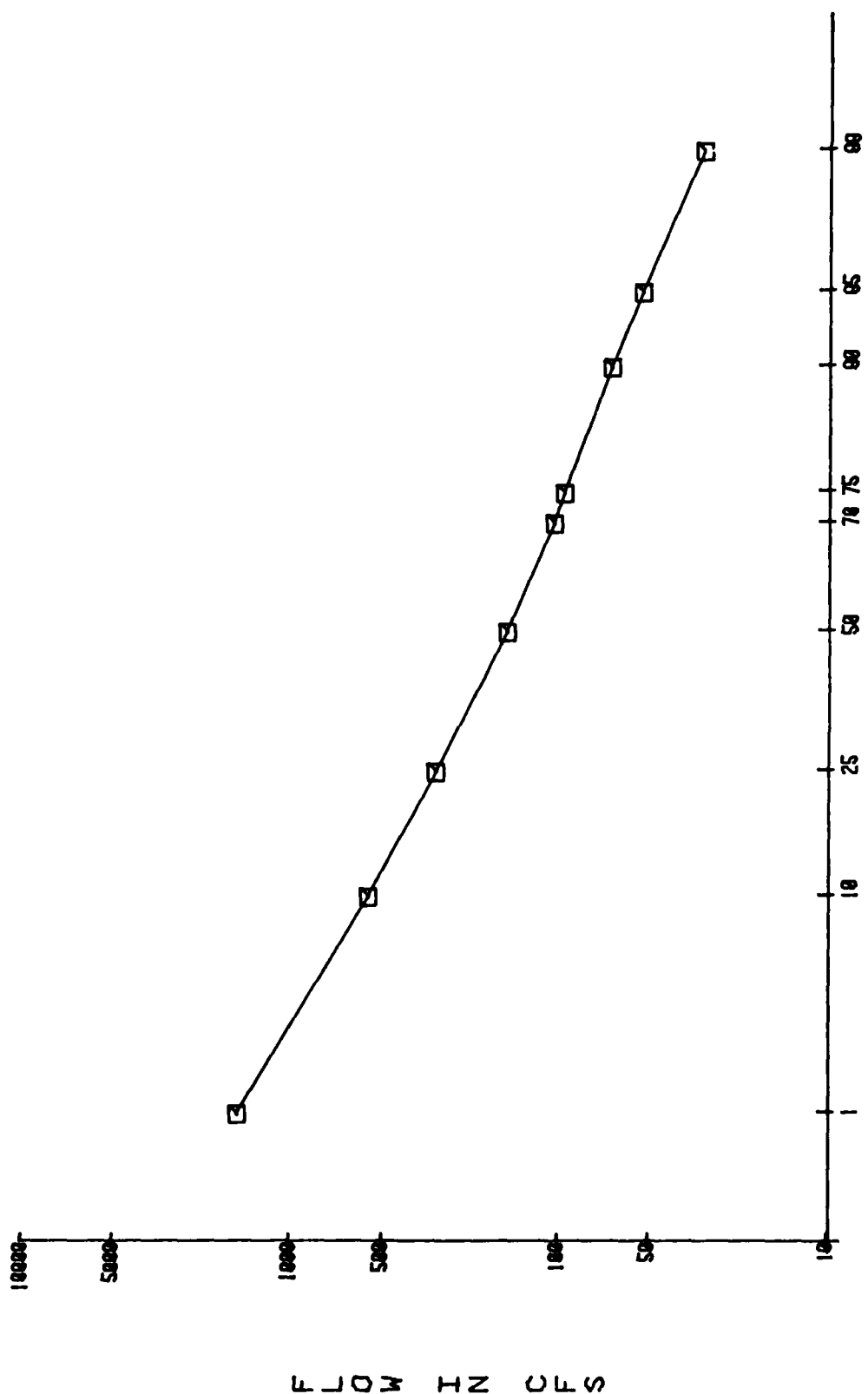


PERCENT TIME EQUALED OR EXCEEDED

Figure C-11. Base Run Flow Duration Curve for
01434000, Delaware River at Port Jervis, N.Y.

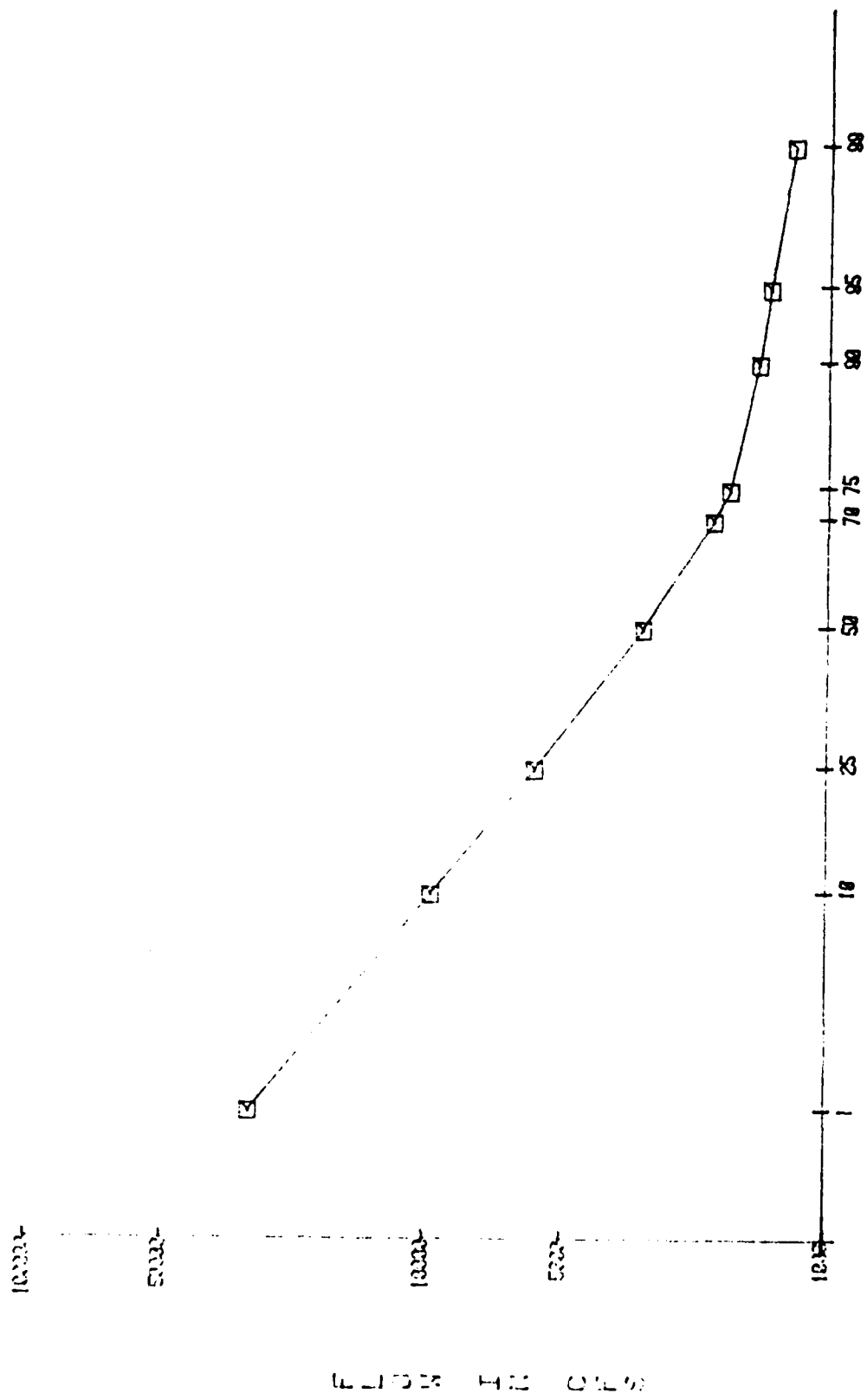


PERCENT TIME EQUALED OR EXCEEDED
Figure C-12. Base Run Flow Duration Curve for
01436000, Neversink River at Neversink, N.Y.



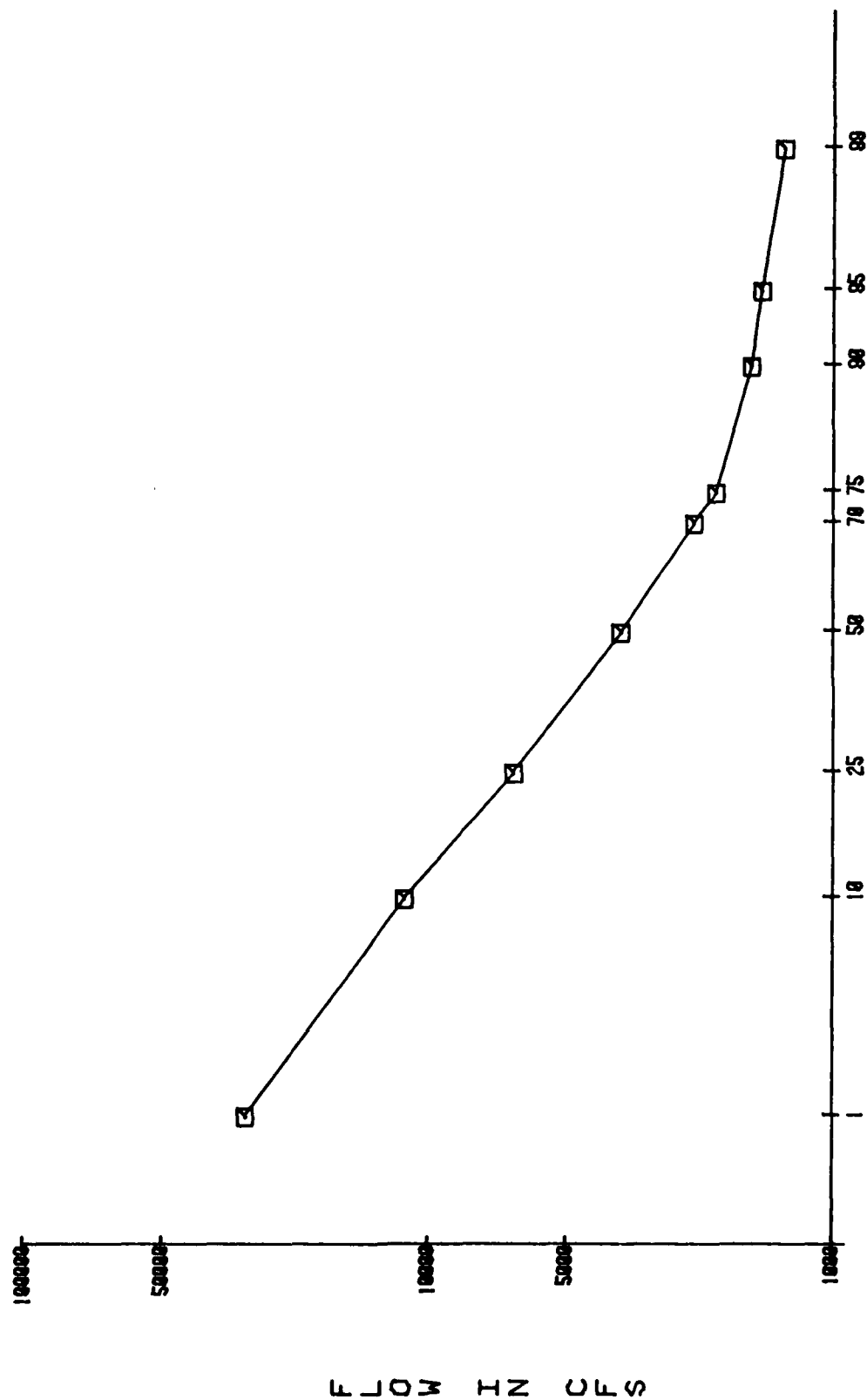
PERCENT TIME EQUALED OR EXCEEDED

Figure C-13. Base Run Flow Duration Curve for
01437000, Neversink River at Oakland, N.Y.



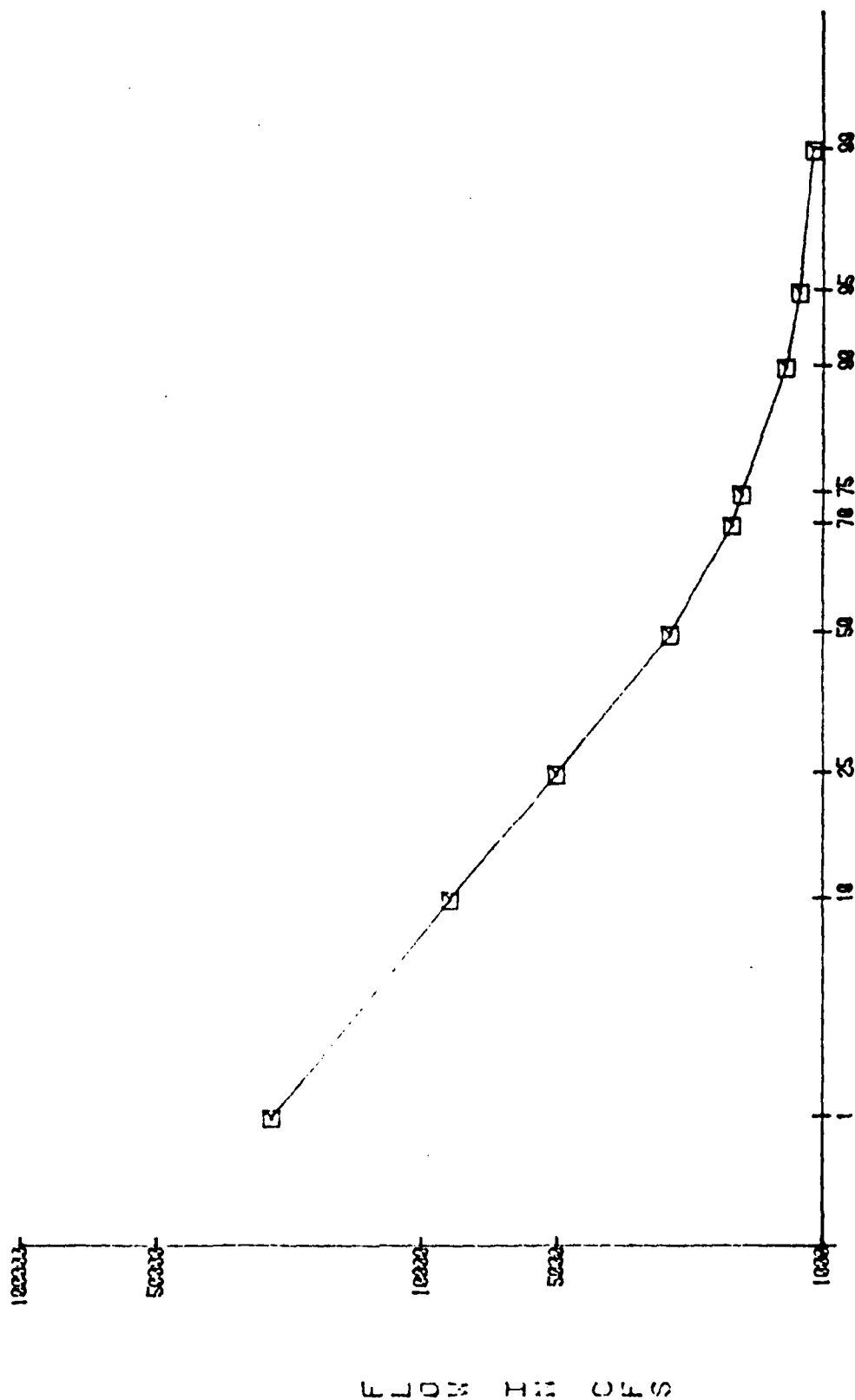
PERCENT TIME EQUALED OR EXCEEDED

Figure C-14. Base Run Flow Duration Curve for
01438500, Delaware River at Montague, N.J.

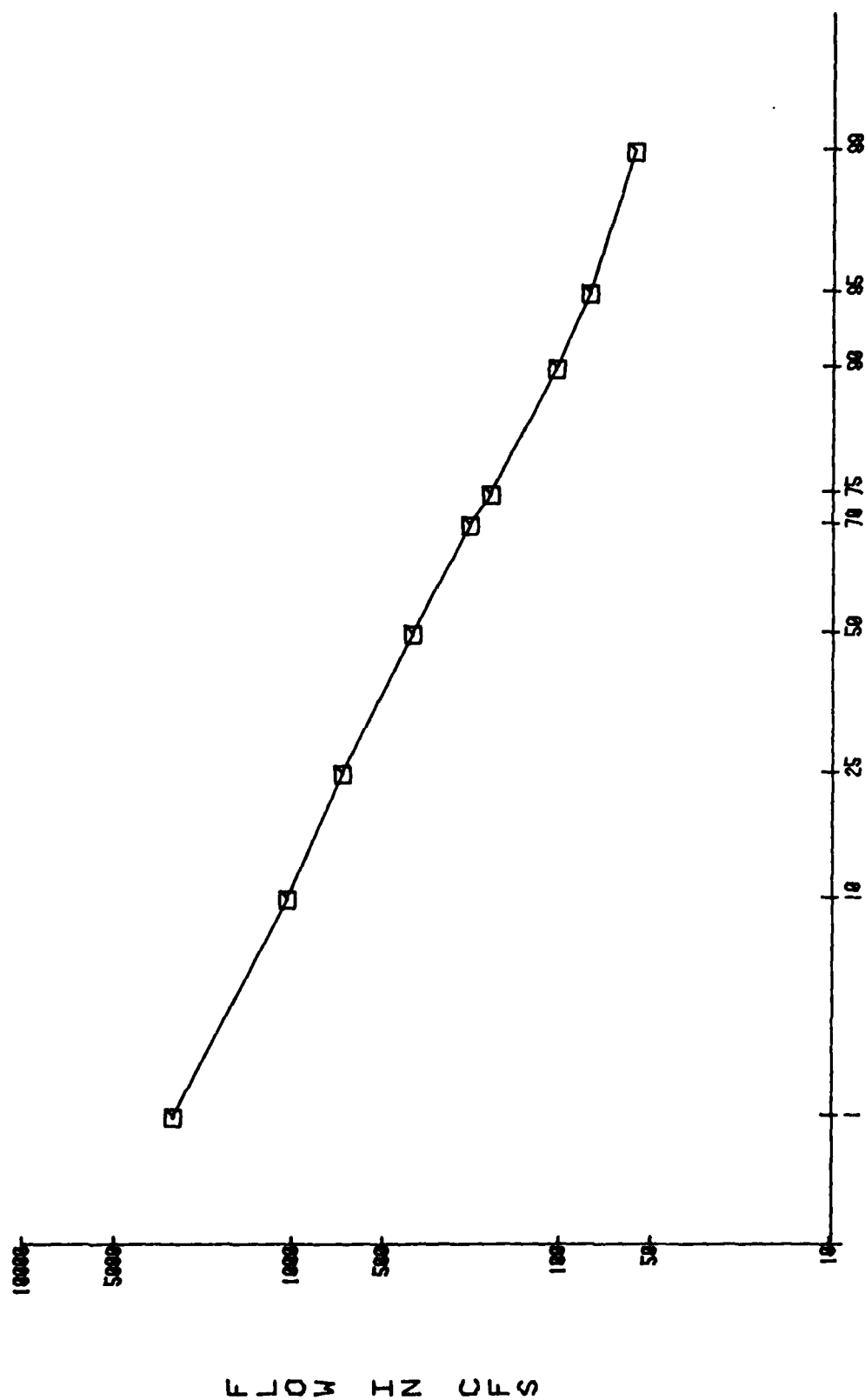


PERCENT TIME EQUALED OR EXCEEDED

Figure C-15. Base Run Flow Duration Curve for
01440200, Delaware River Below
Tocks Island Dam, PA.

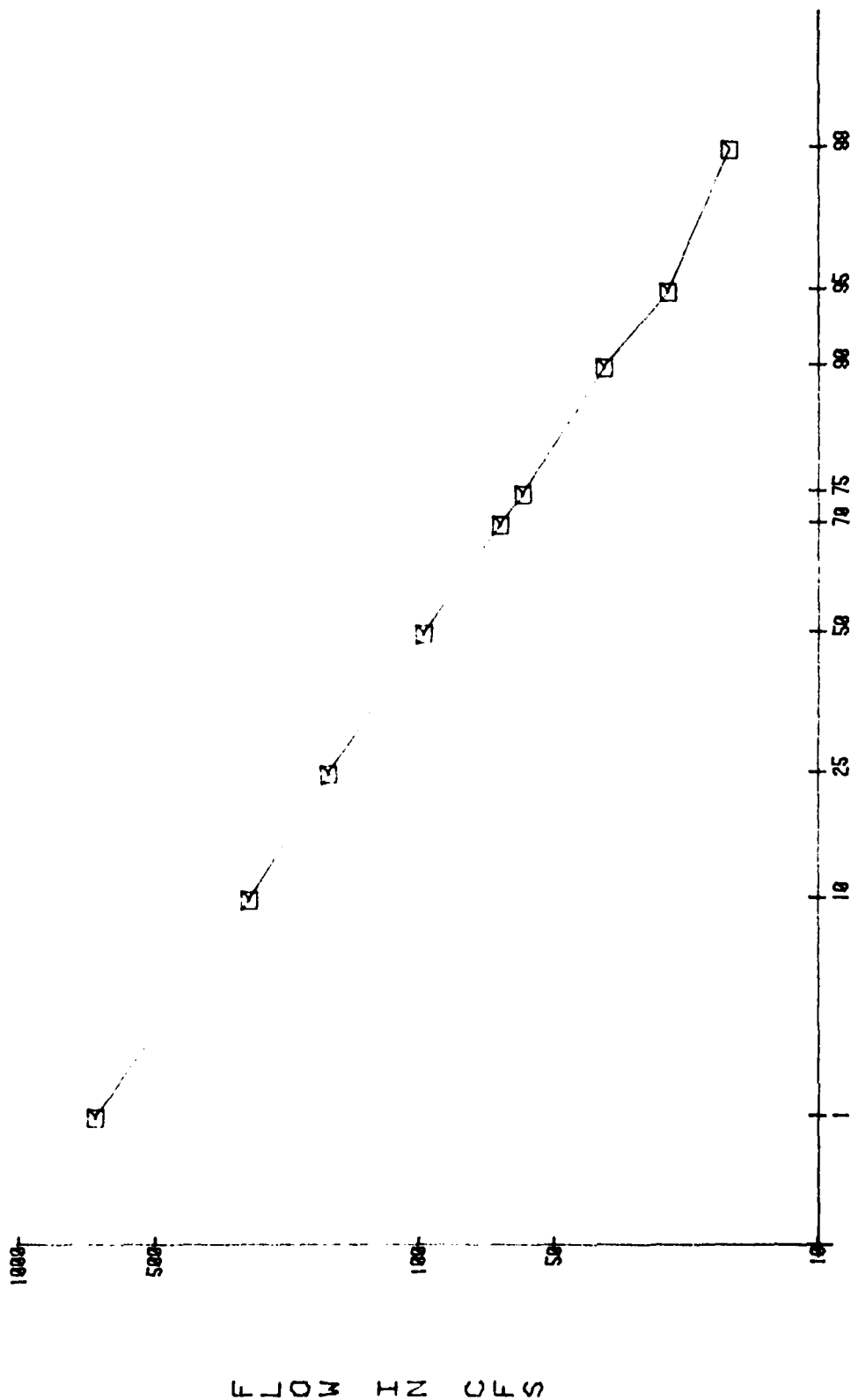


PERCENT TIME EQUALED OR EXCEEDED
 Figure C-16. Base Run Flow Duration Curve for
 01446500, Delaware River at Belvidere, N.J.



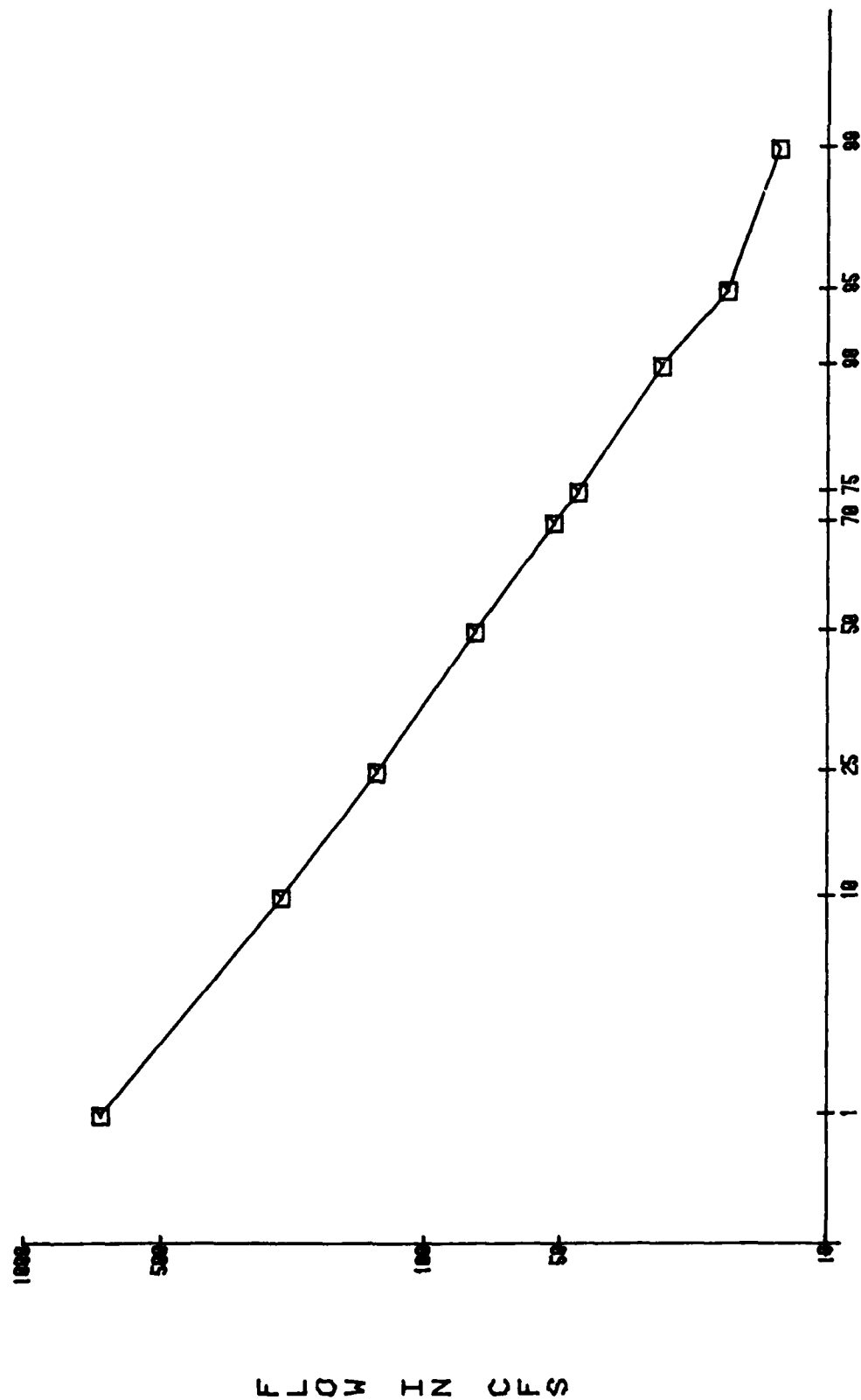
PERCENT TIME EQUALED OR EXCEEDED

Figure C-17. Base Run Flow Duration Curve for
01447800, Lehigh River at White Haven, PA.



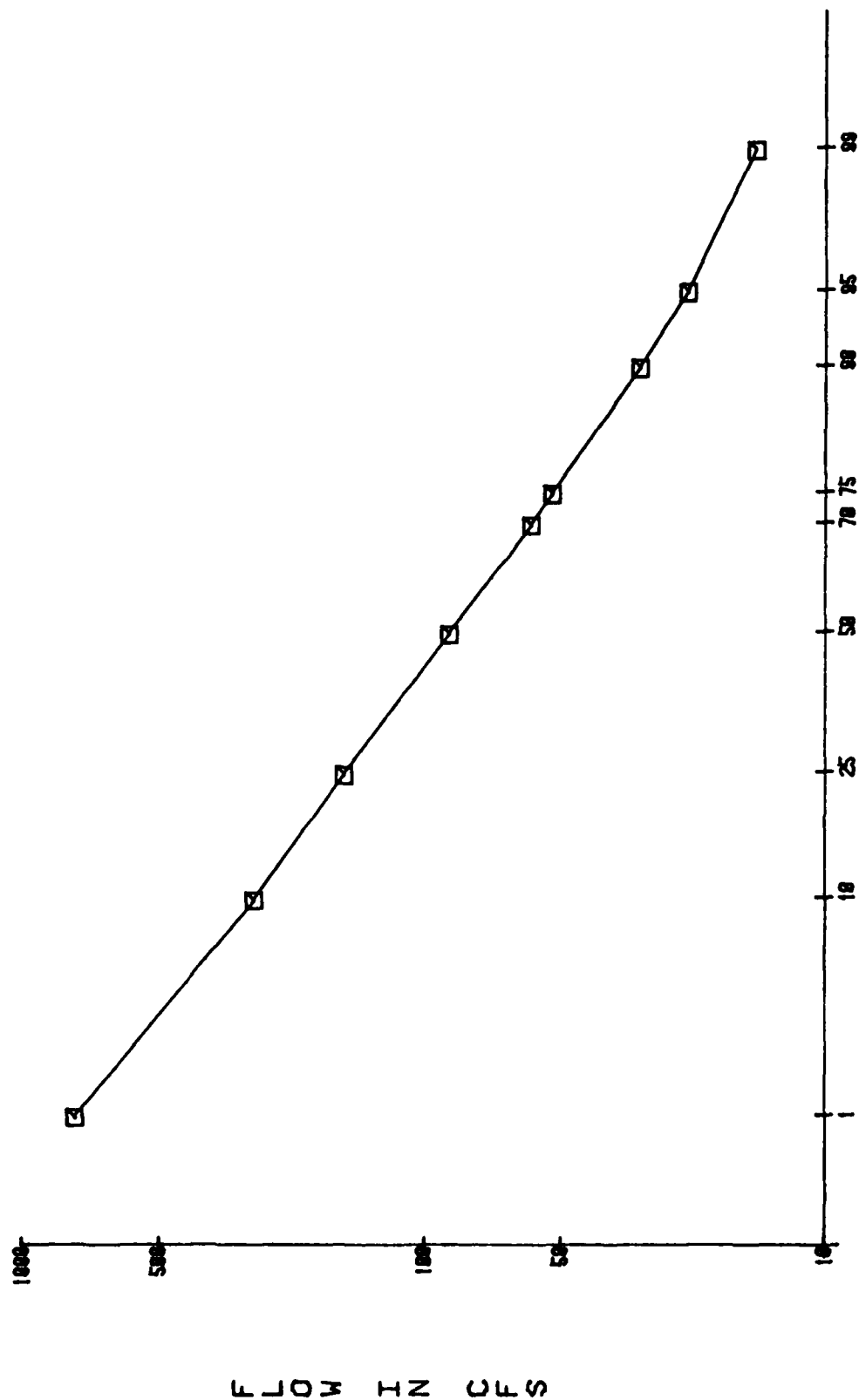
PERCENT TIME EQUALED OR EXCEEDED

Figure C-18. Base Run Flow Duration Curve for
01449800, Pohopoco Creek at Beltzville Damsite, PA.



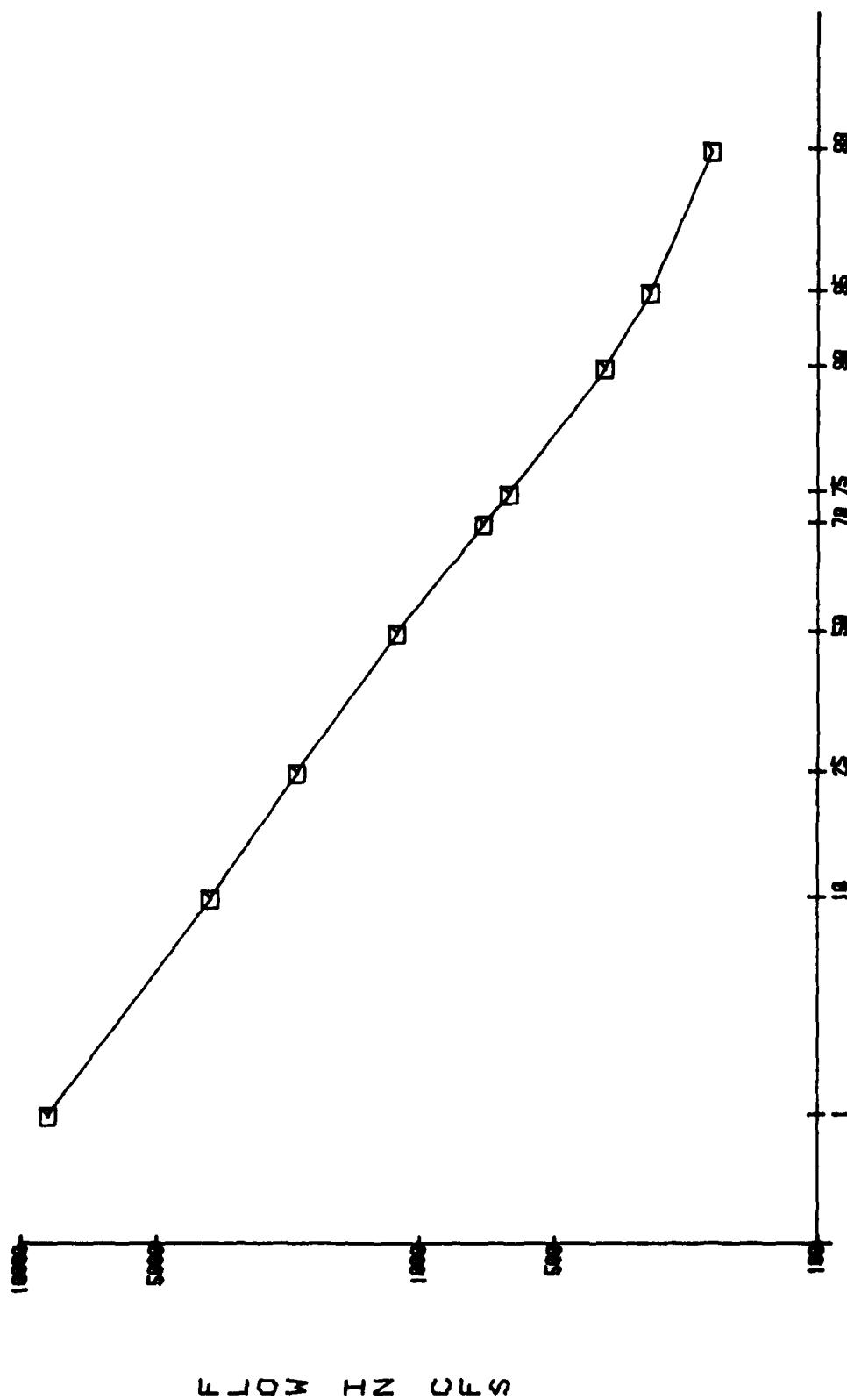
PERCENT TIME EQUALED OR EXCEEDED

Figure C-19. Base Run Flow Duration Curve for
Aquashicola Creek at Aquashicola Dam site, PA.

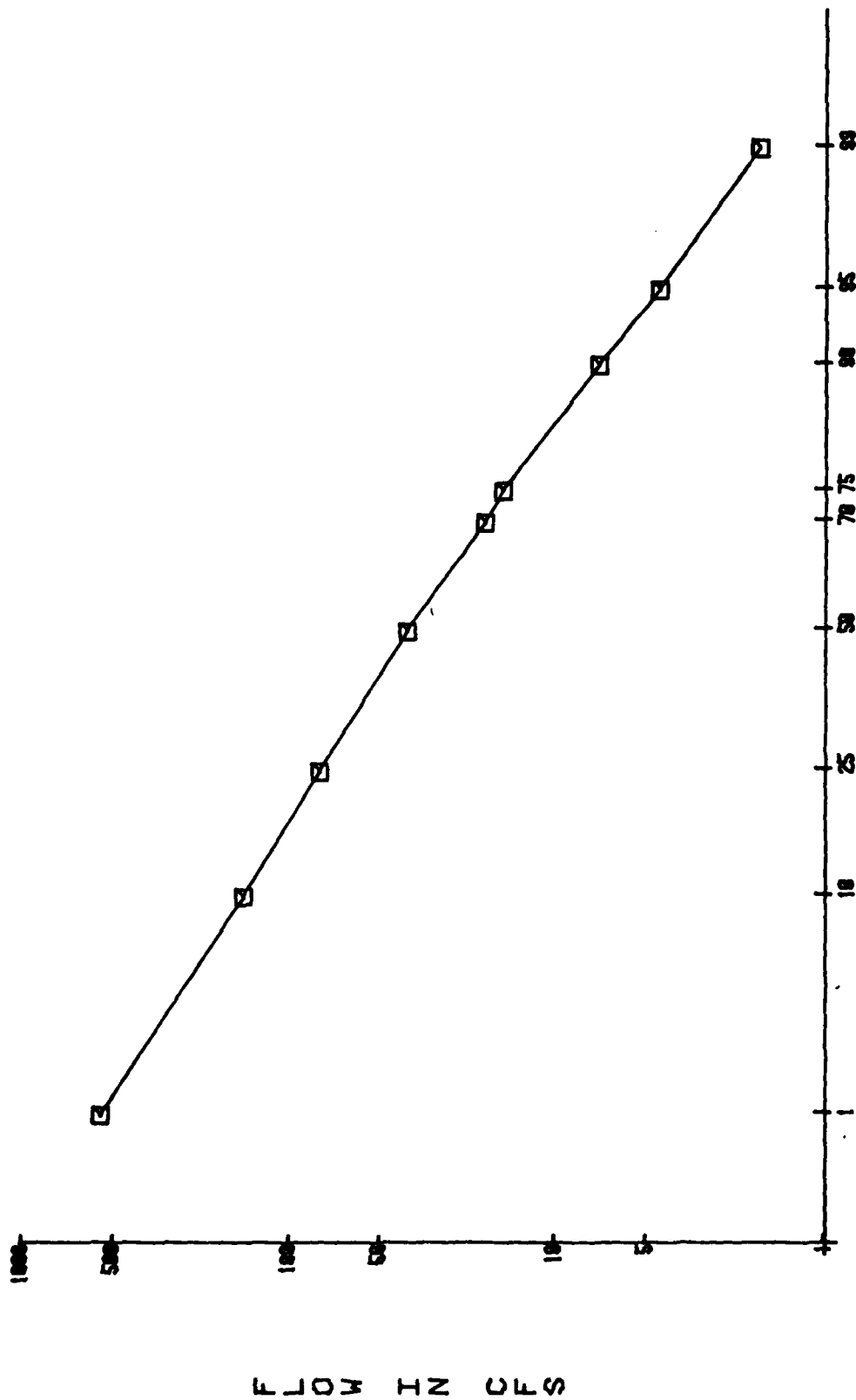


PERCENT TIME EQUALED OR EXCEEDED

Figure C-20. Base Run Flow Duration Curve for
01450500, Aquashicola Creek at Palmerton, PA.

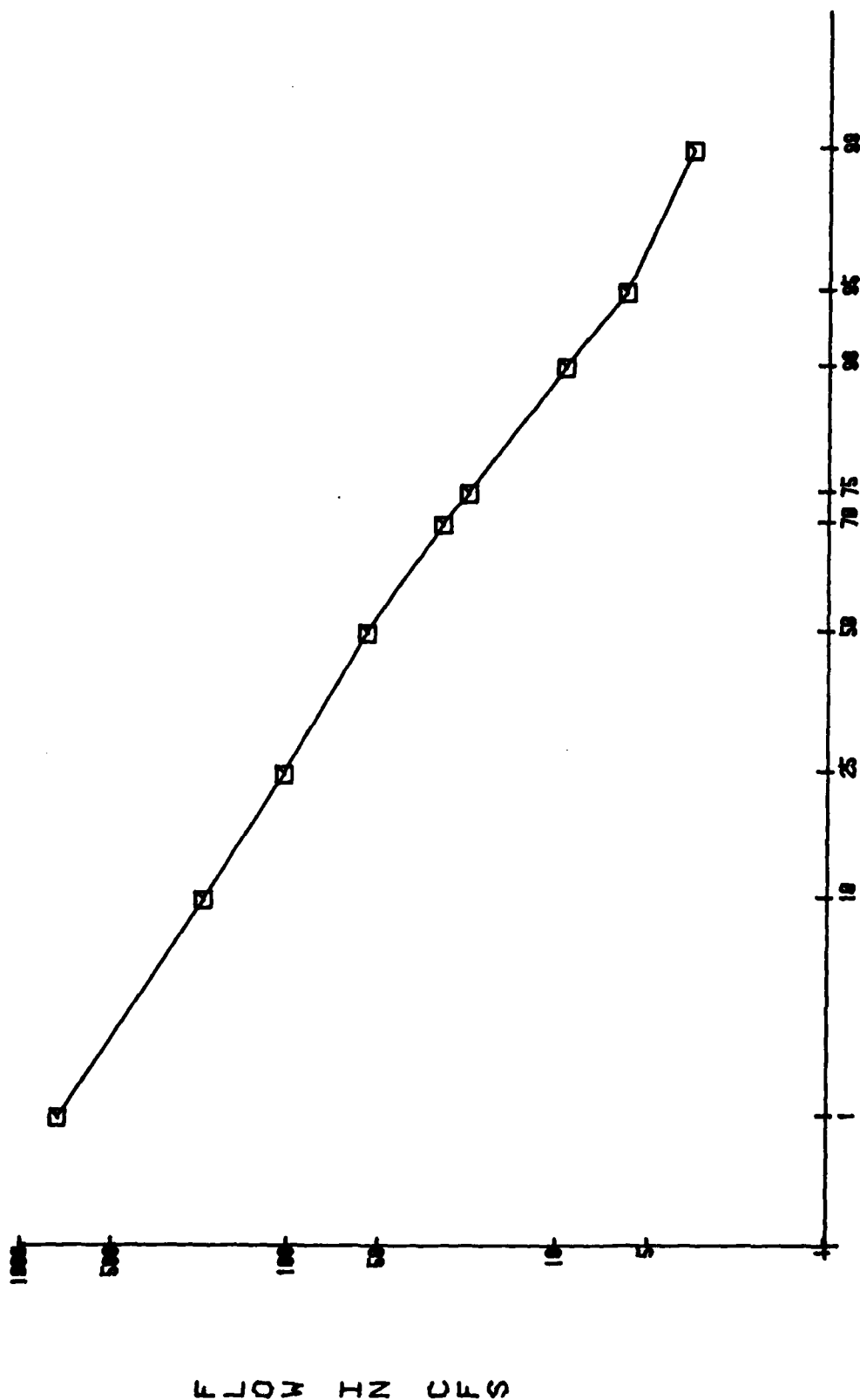


PERCENT TIME EQUALED OR EXCEEDED
 Figure C-21. Base Run Flow Duration Curve for
 01451000, Lehigh River at Walnutport, PA.



PERCENT TIME EQUALED OR EXCEEDED

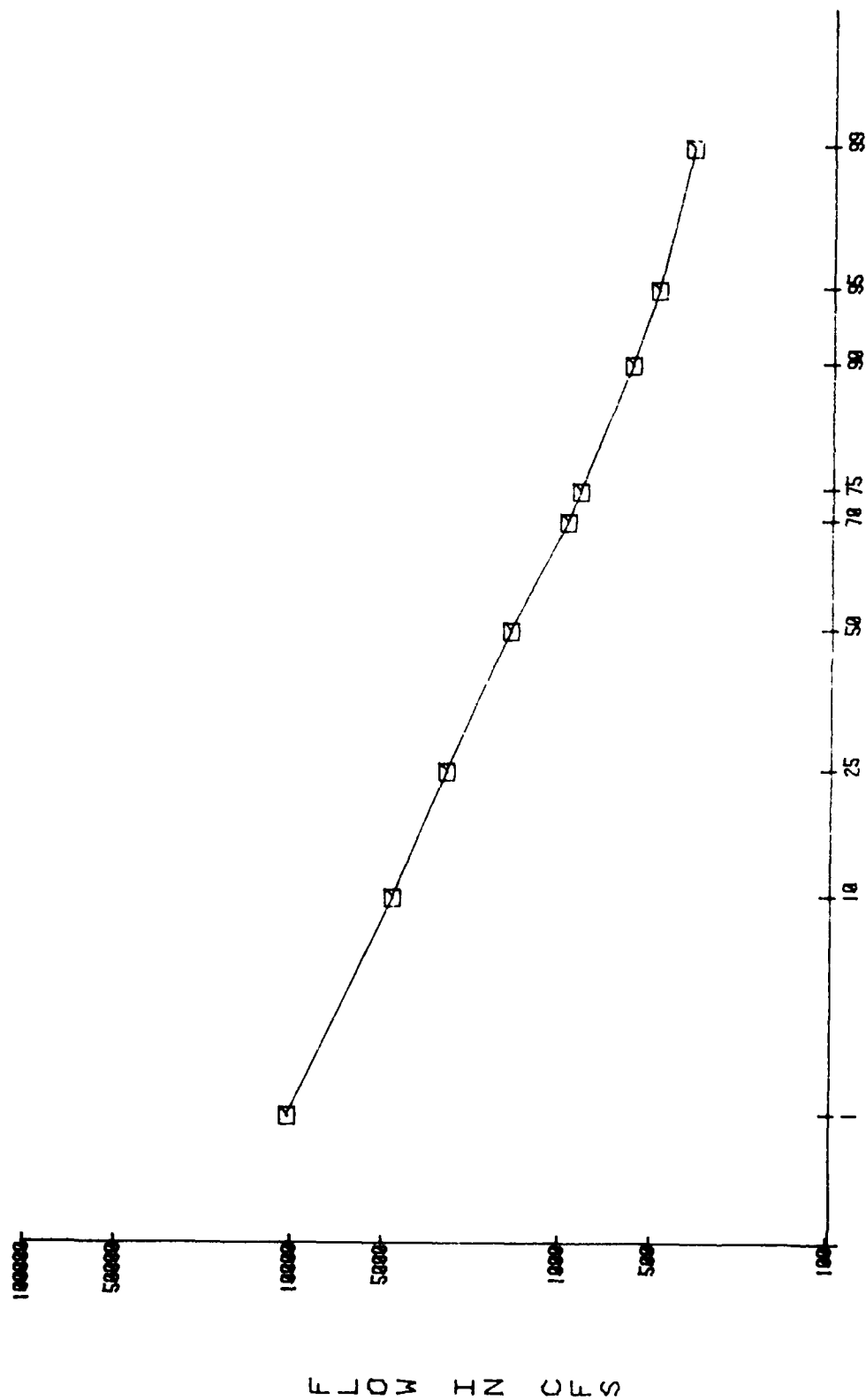
Figure C-22. Base Run Flow Duration Curve for
01451800, Jordan Creek near Schnecksville, PA.



PERCENT TIME EQUALED OR EXCEEDED

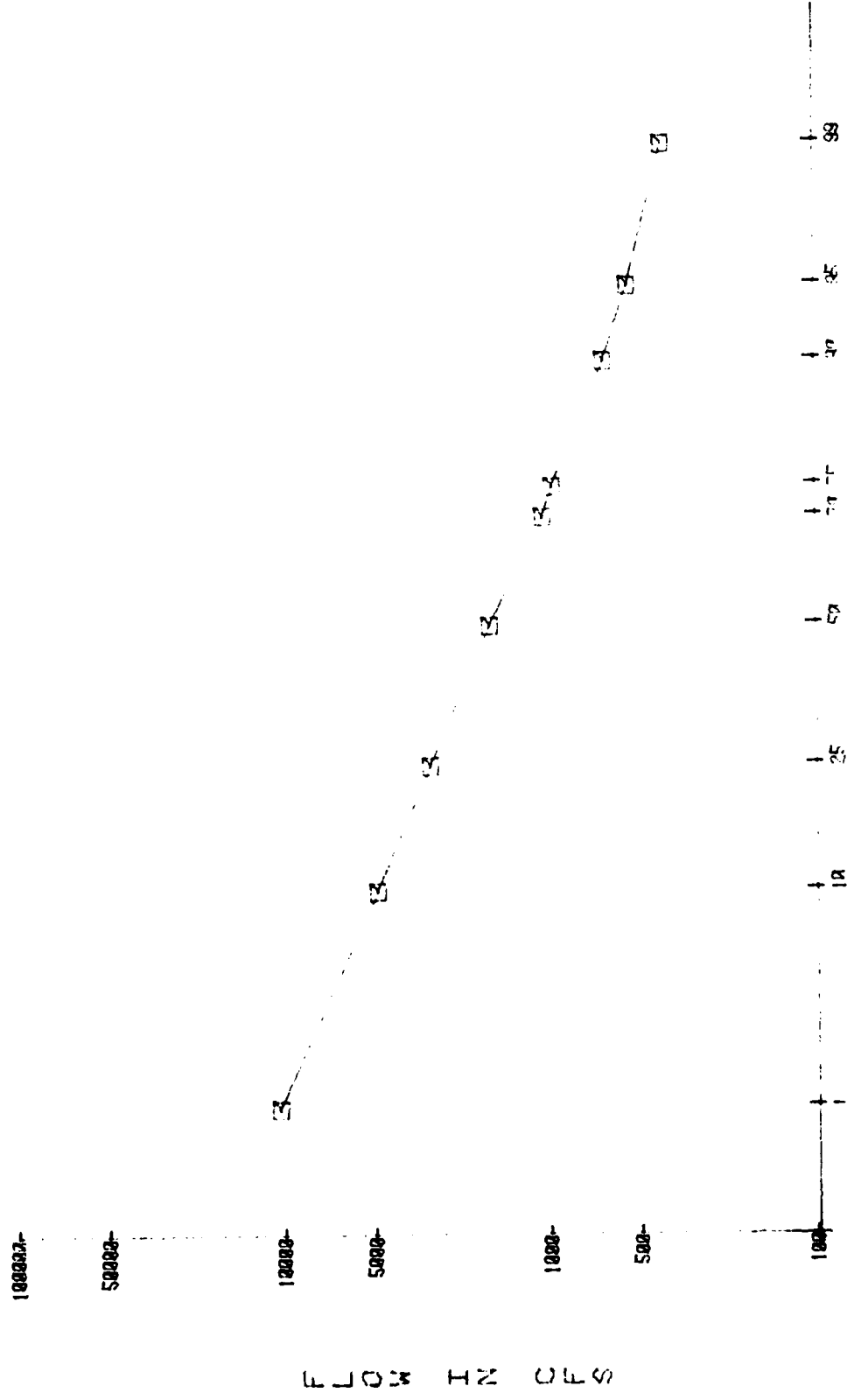
Figure C-23. Base Run Flow Duration Curve for

03451200 Jordan Creek at Allentown, PA.



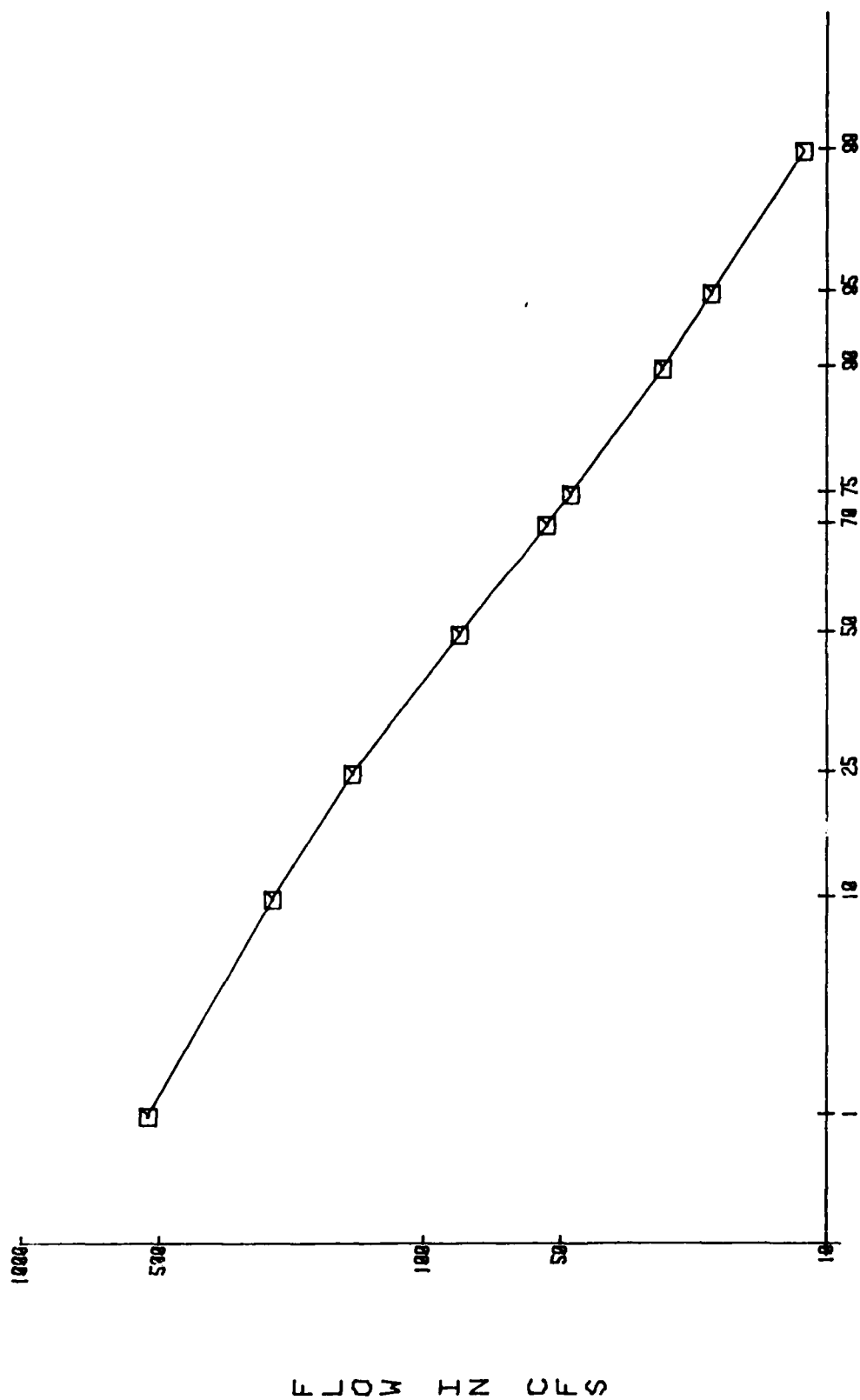
PERCENT TIME EQUALED OR EXCEEDED

Figure C-24. Base Run Flow Duration Curve for
01453000, Lehigh River at Bethlehem, PA.



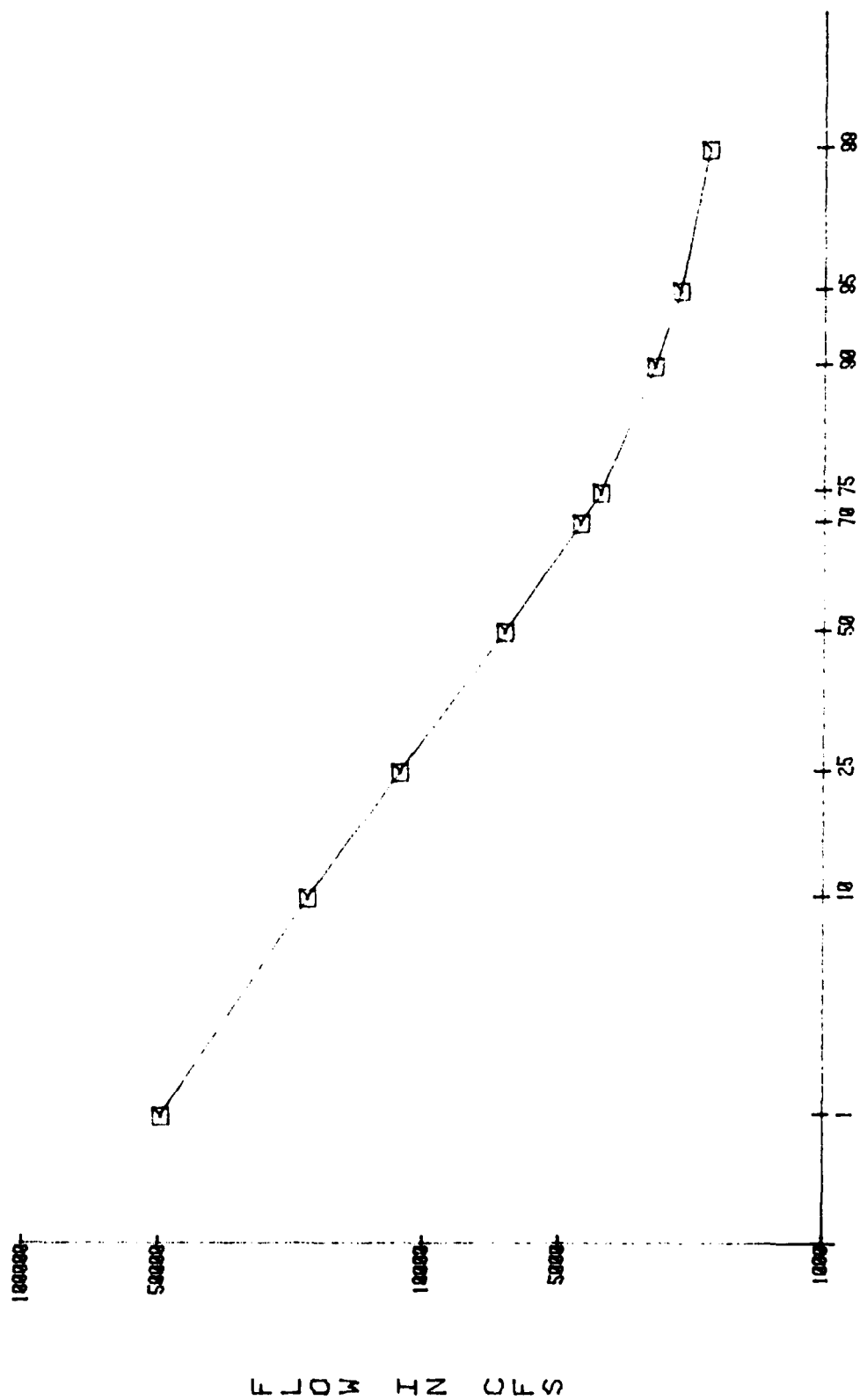
PERCENT TIME EQUALLED OR EXCEEDED

Figure C-25. Base Run Flow Duration Curve for
01454700, Lehigh River at Glendon, PA.



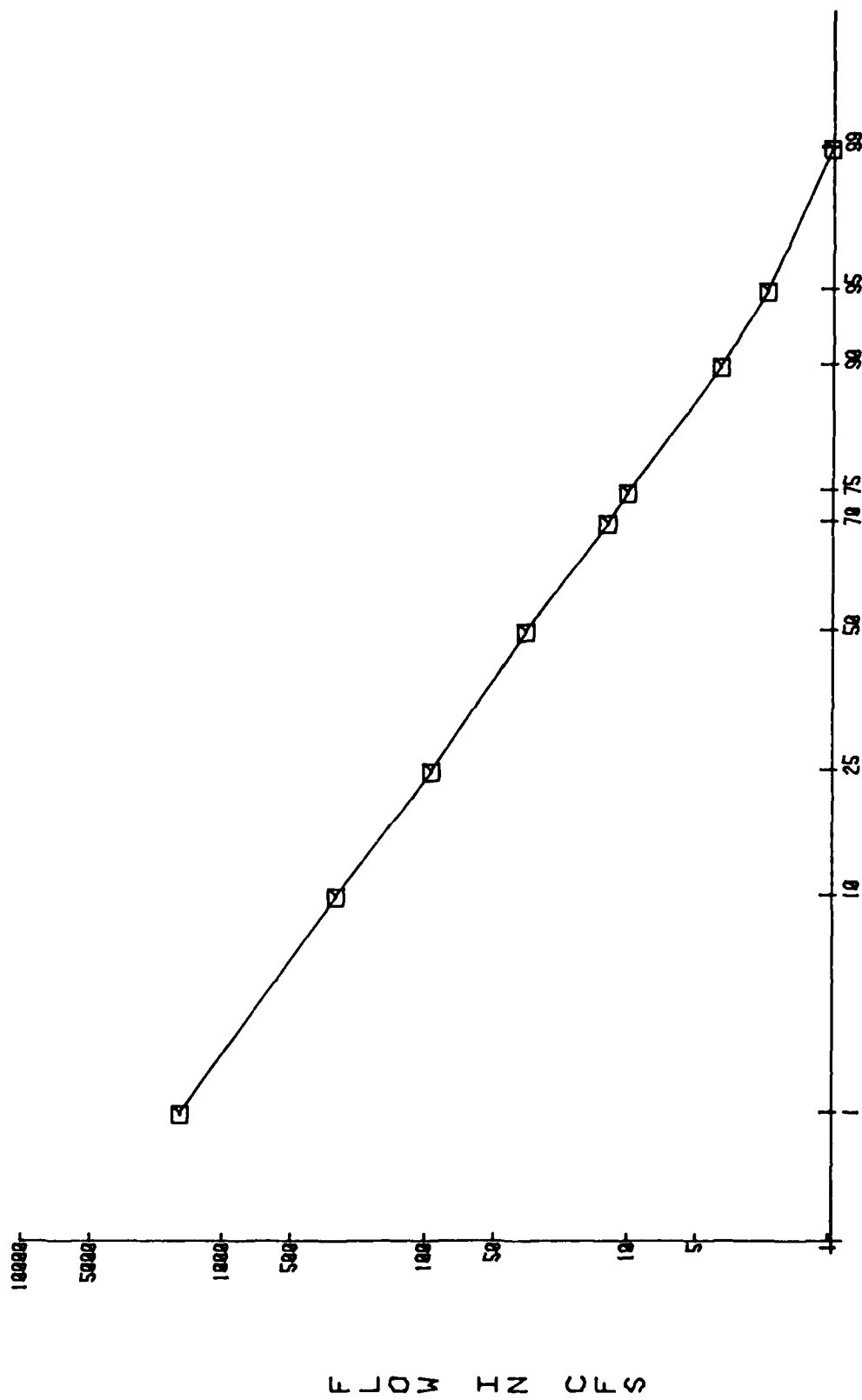
PERCENT TIME EQUALED OR EXCEEDED

Figure C-26. Base Run Flow Duration Curve for
01456000, Musconetcong River near
Hackettstown, N.J.



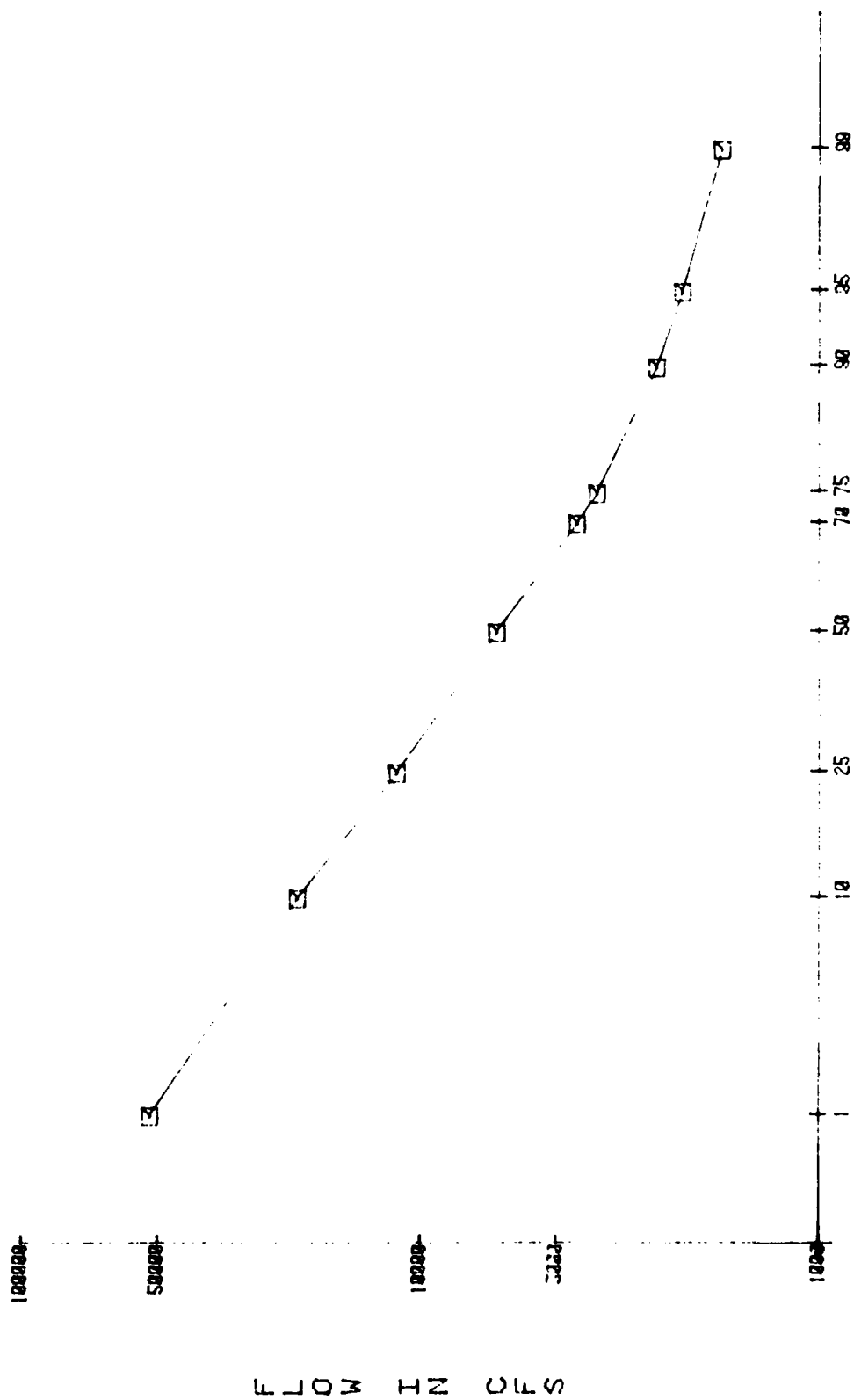
PERCENT TIME EQUALED OR EXCEEDED

Figure C-27. Base Run Flow Duration Curve for
01457500, Delaware River at Riegelsville, N.J.



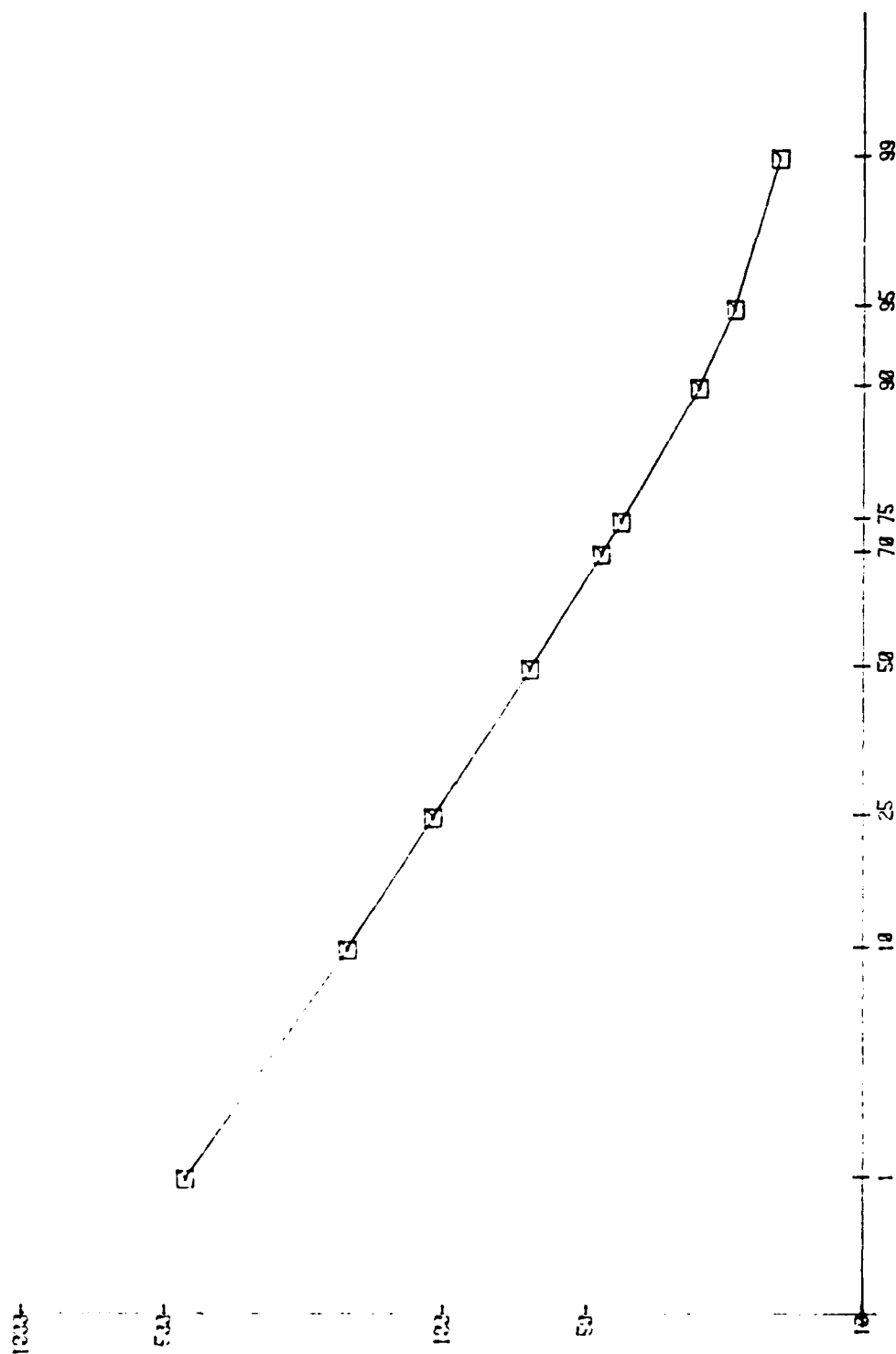
PERCENT TIME EQUALED OR EXCEEDED

Figure C-28. Base Run Flow Duration Curve for
01459500, Tohickon Creek at Pipersville, PA.



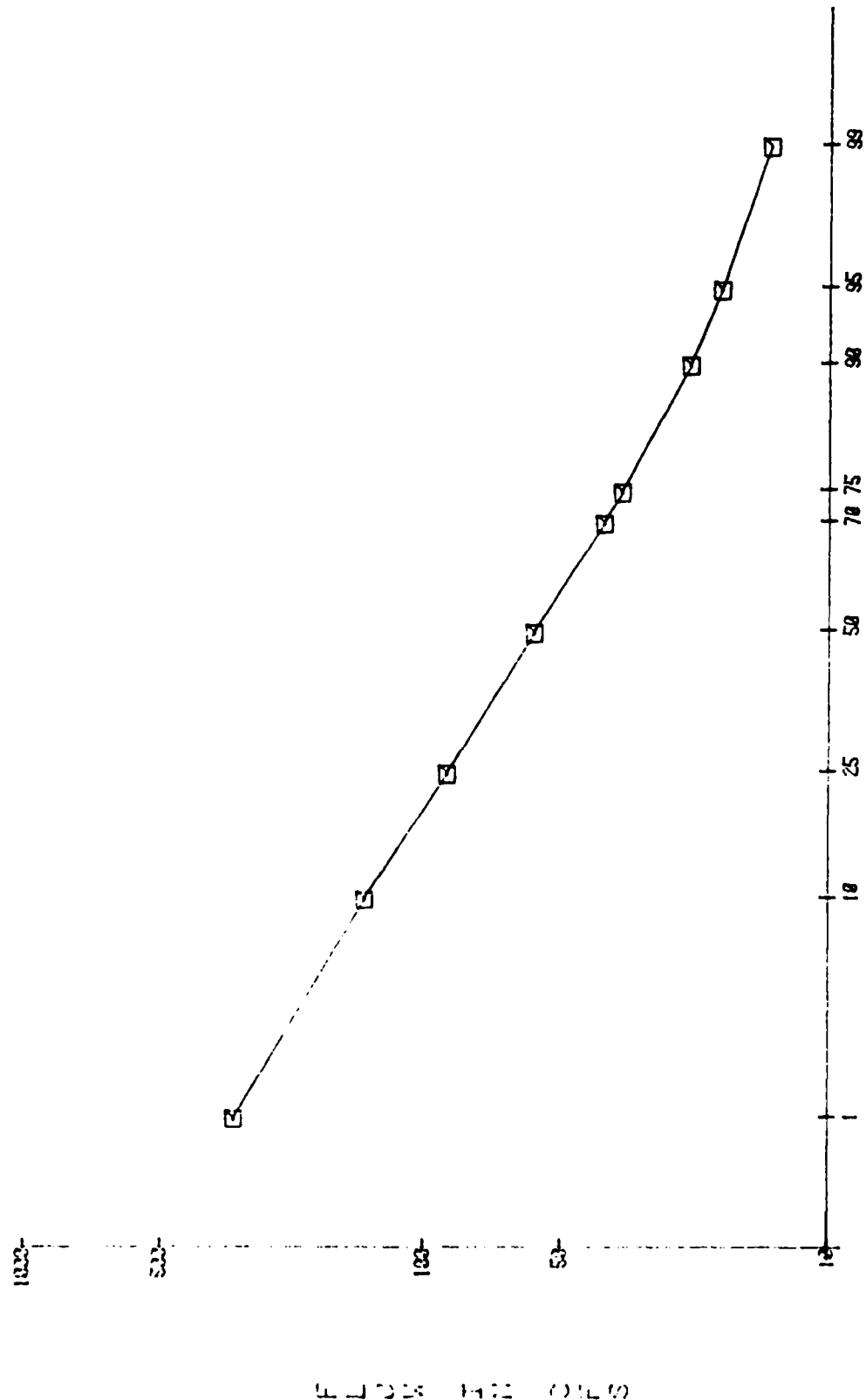
PERCENT TIME EQUALED OR EXCEEDED

Figure C-29. Base Run Flow Duration Curve for
01463500, Delaware River at Trenton, N.J.



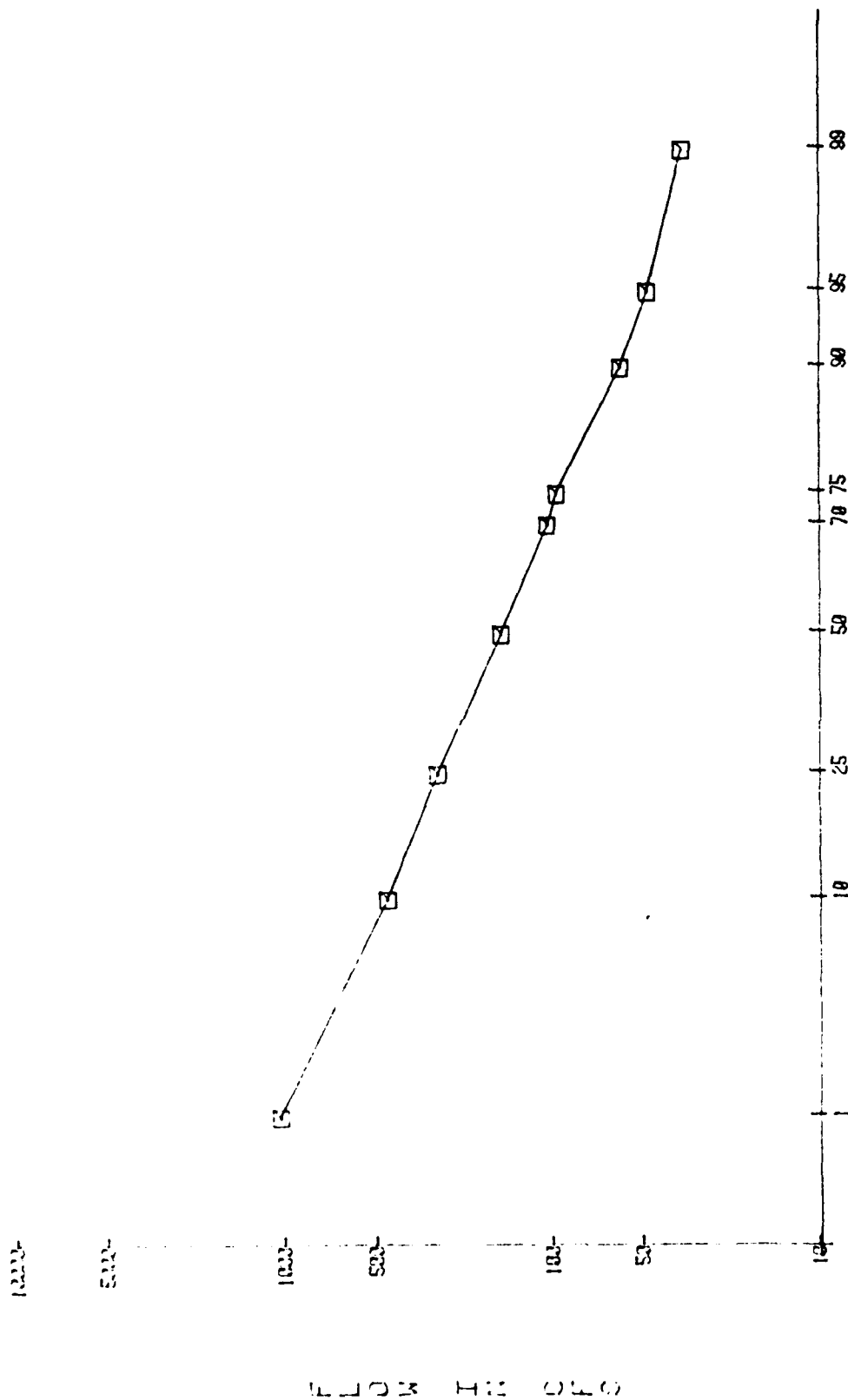
PERCENT TIME EQUALED OR EXCEEDED

Figure C-30. Base Run Flow Duration Curve for
01467500, Schuylkill River at Pottsville, PA.

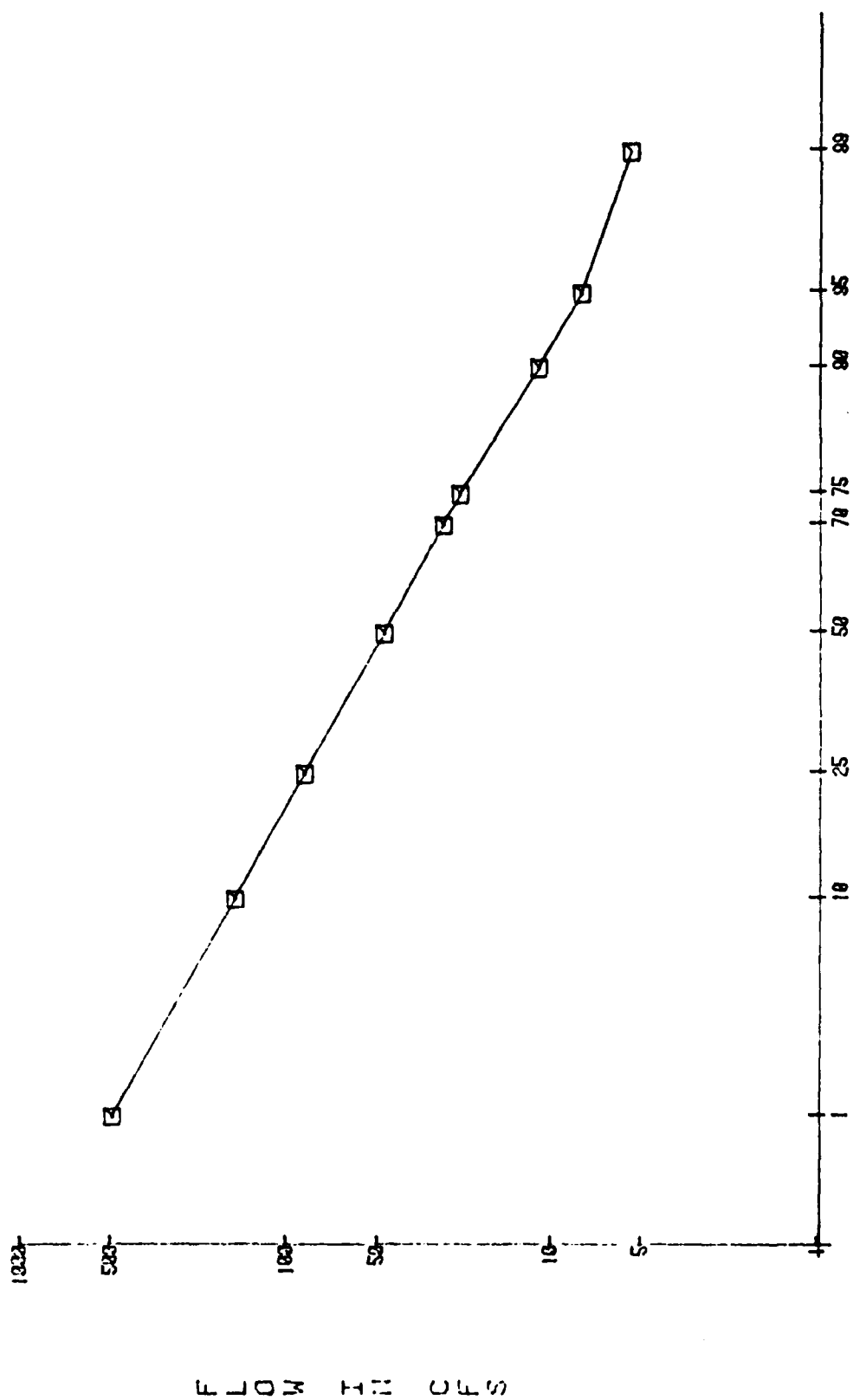


PERCENT TIME EQUALED OR EXCEEDED

Figure C-31. Base Run Flow Duration Curve for
01467950, West Branch Schuylkill River
at Cressona, PA.

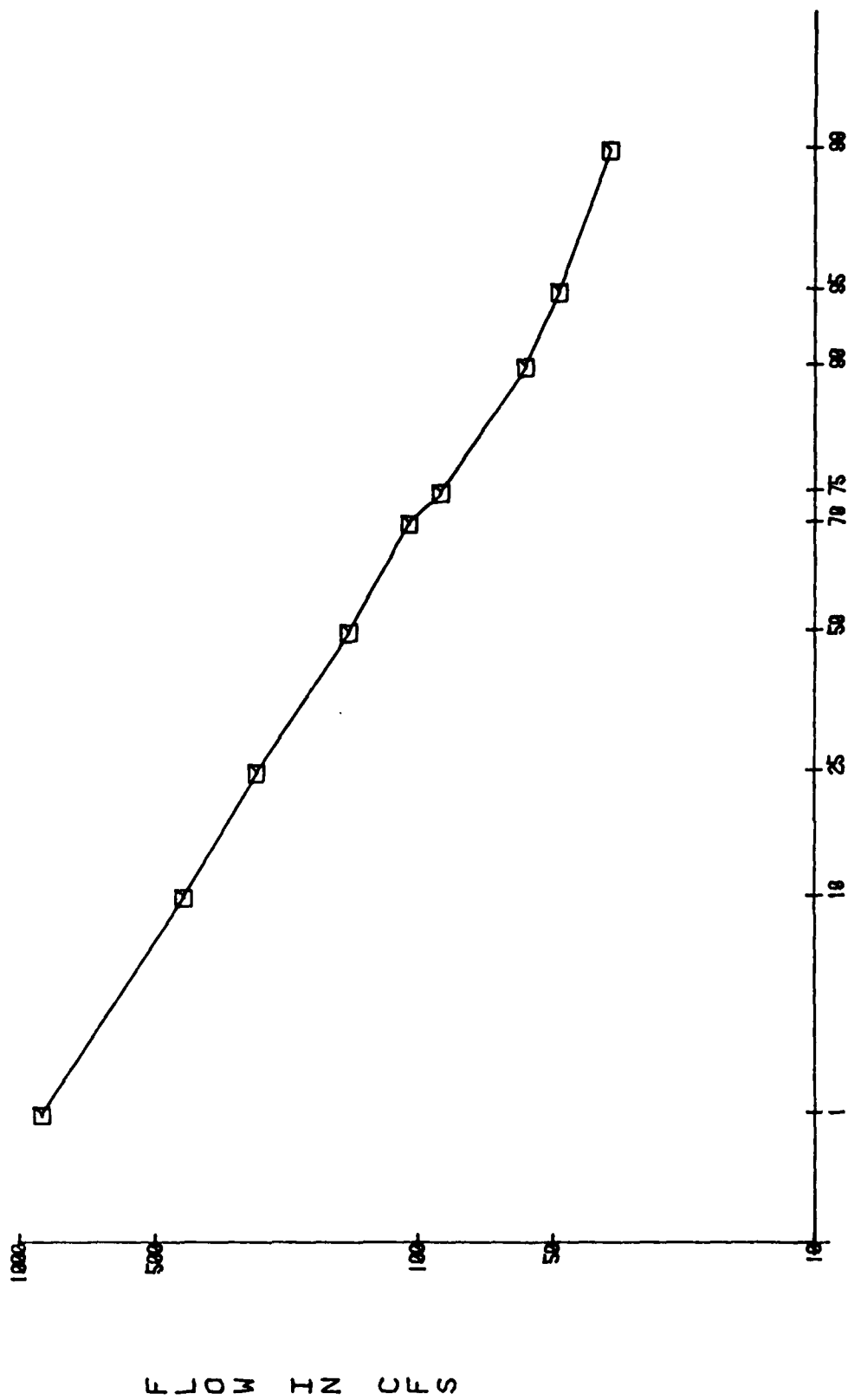


PERCENT TIME EQUALED OR EXCEEDED
 Figure C-32. Base Run Flow Duration Curve for
 01468500, Schuylkill River at Landingville, PA.



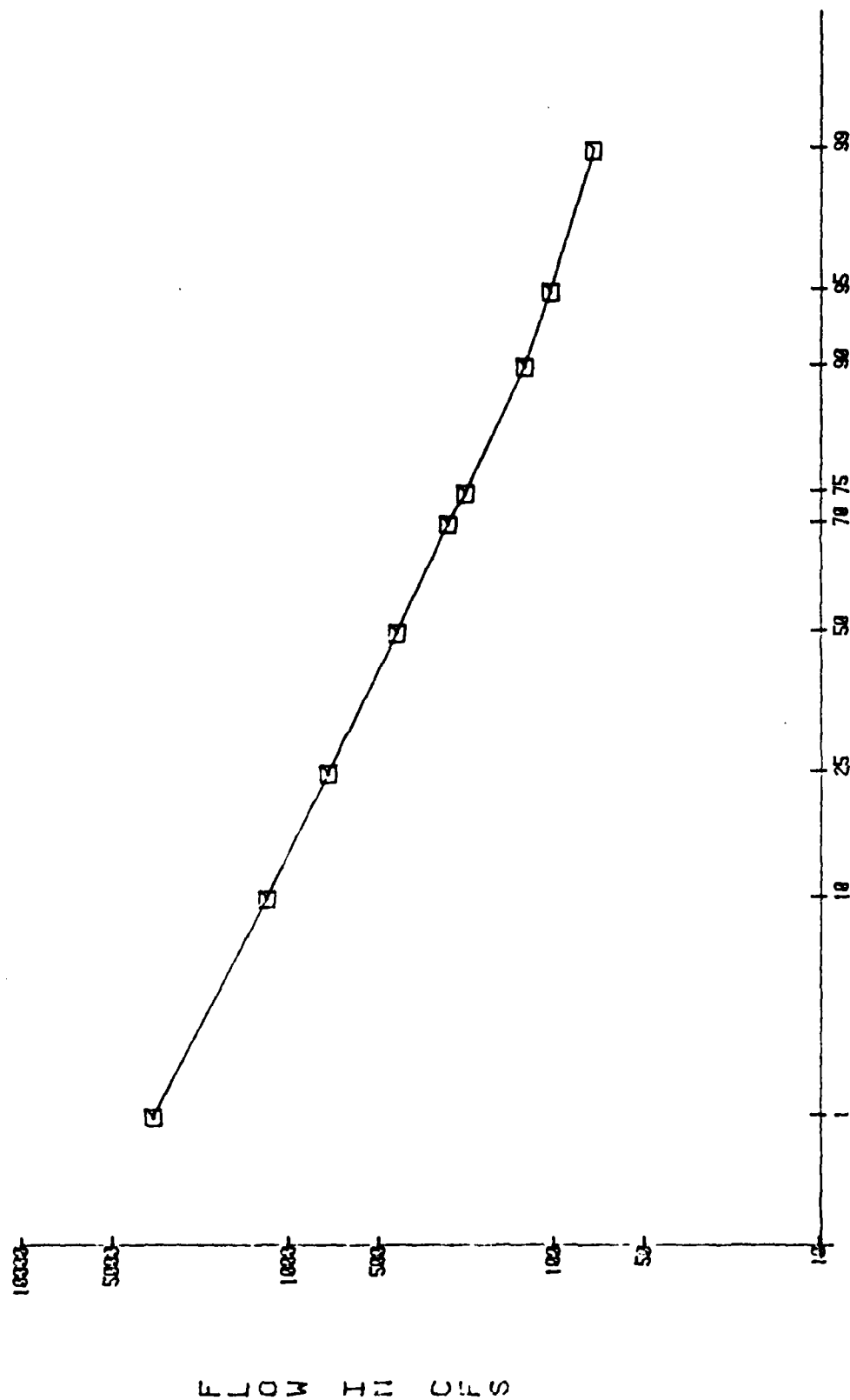
PERCENT TIME EQUALED OR EXCEEDED

Figure C-33. Base Run Flow Duration Curve for
01469500, Little Schuylkill River
at Tamaqua, PA.

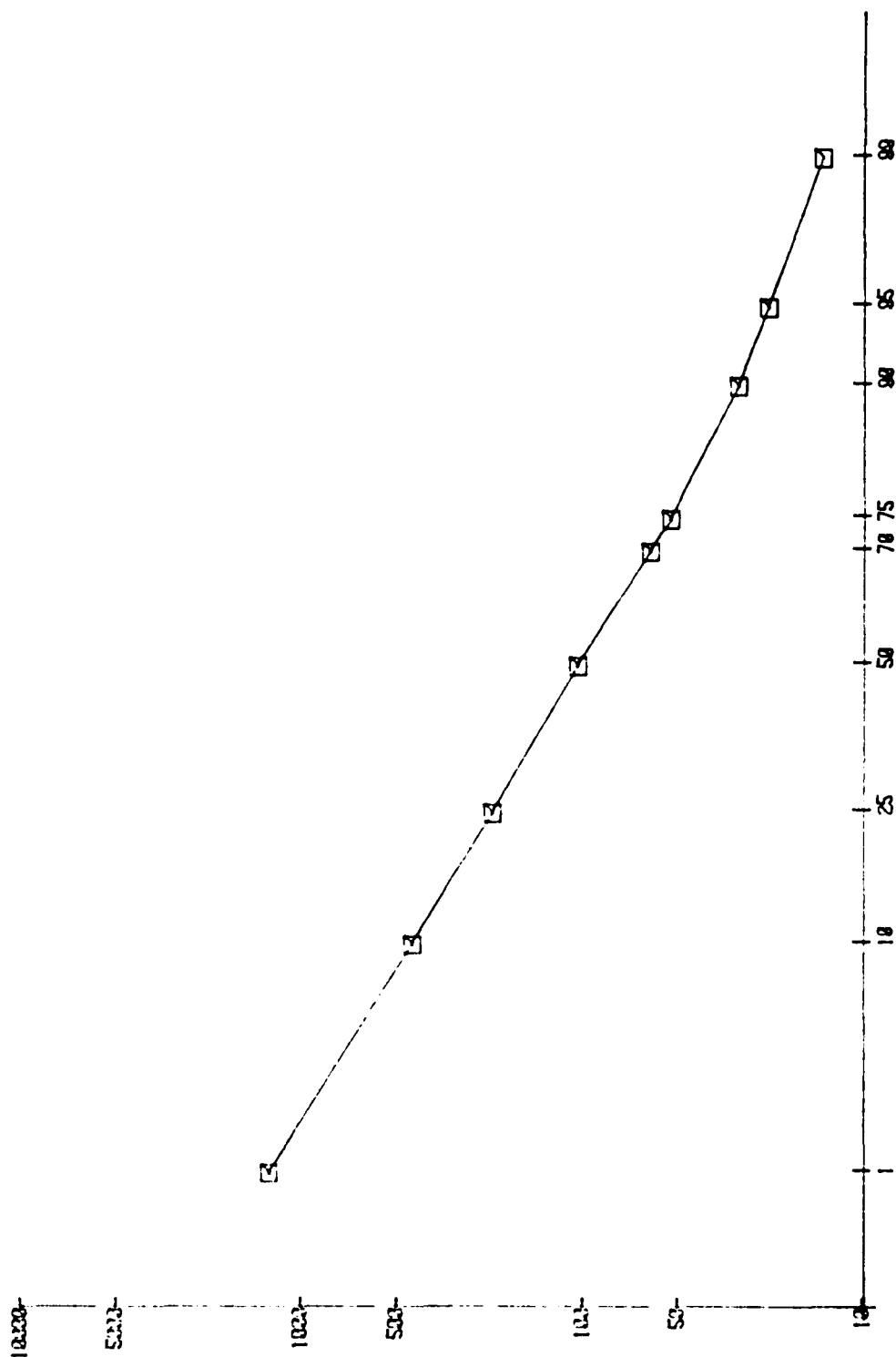


PERCENT TIME EQUALED OR EXCEEDED

Figure C-34. Base Run Flow Duration Curve for
01470000, Little Schuylkill River
at Drehersville, PA.

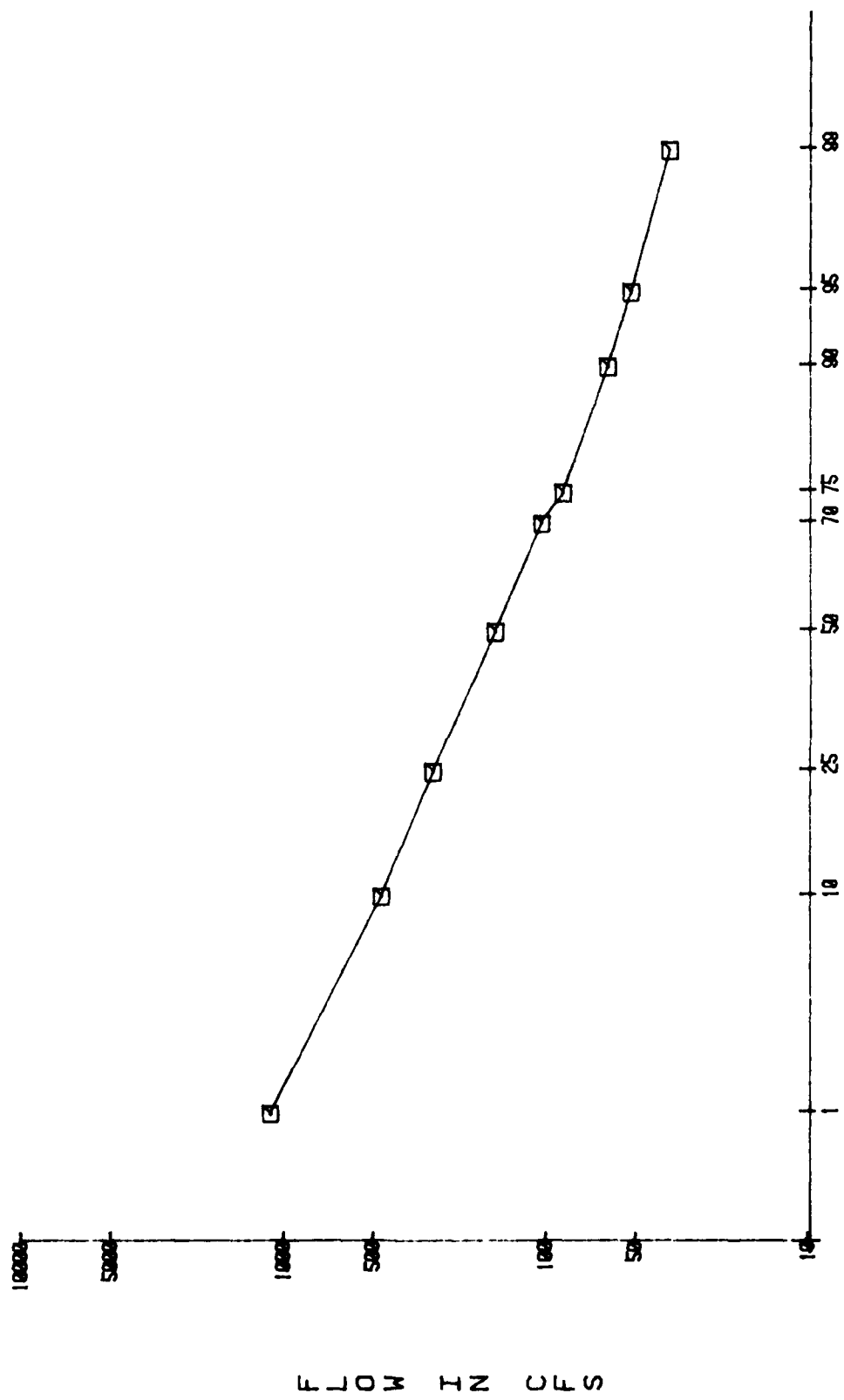


PERCENT TIME EQUALED OR EXCEEDED
 Figure C-35. Base Run Flow Duration Curve for
 01470500, Schuylkill River at Berne, PA.



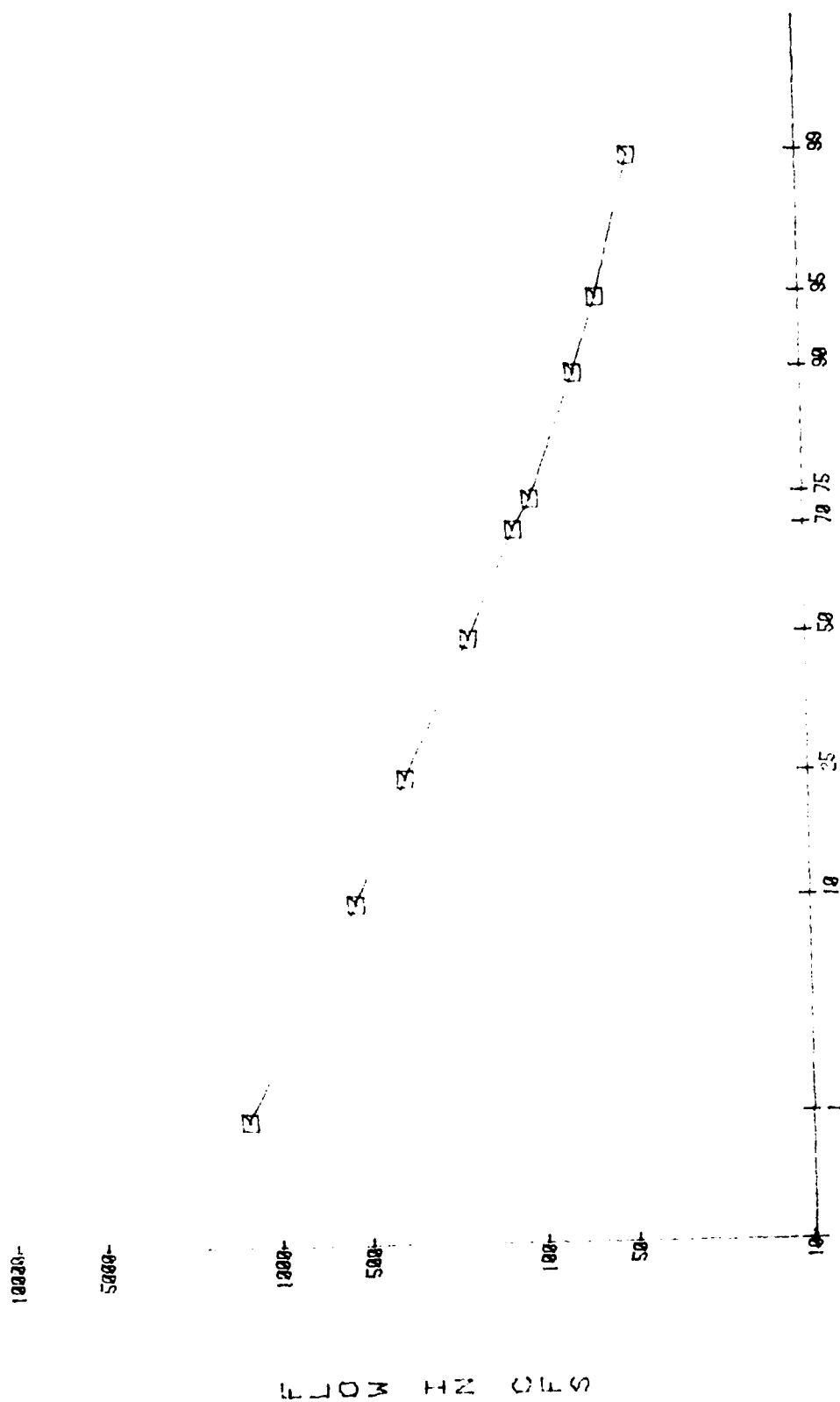
PERCENT TIME EQUALED OR EXCEEDED

Figure C-36. Base Run Flow Duration Curve for
01470756, Maiden Creek at Virginville, PA.



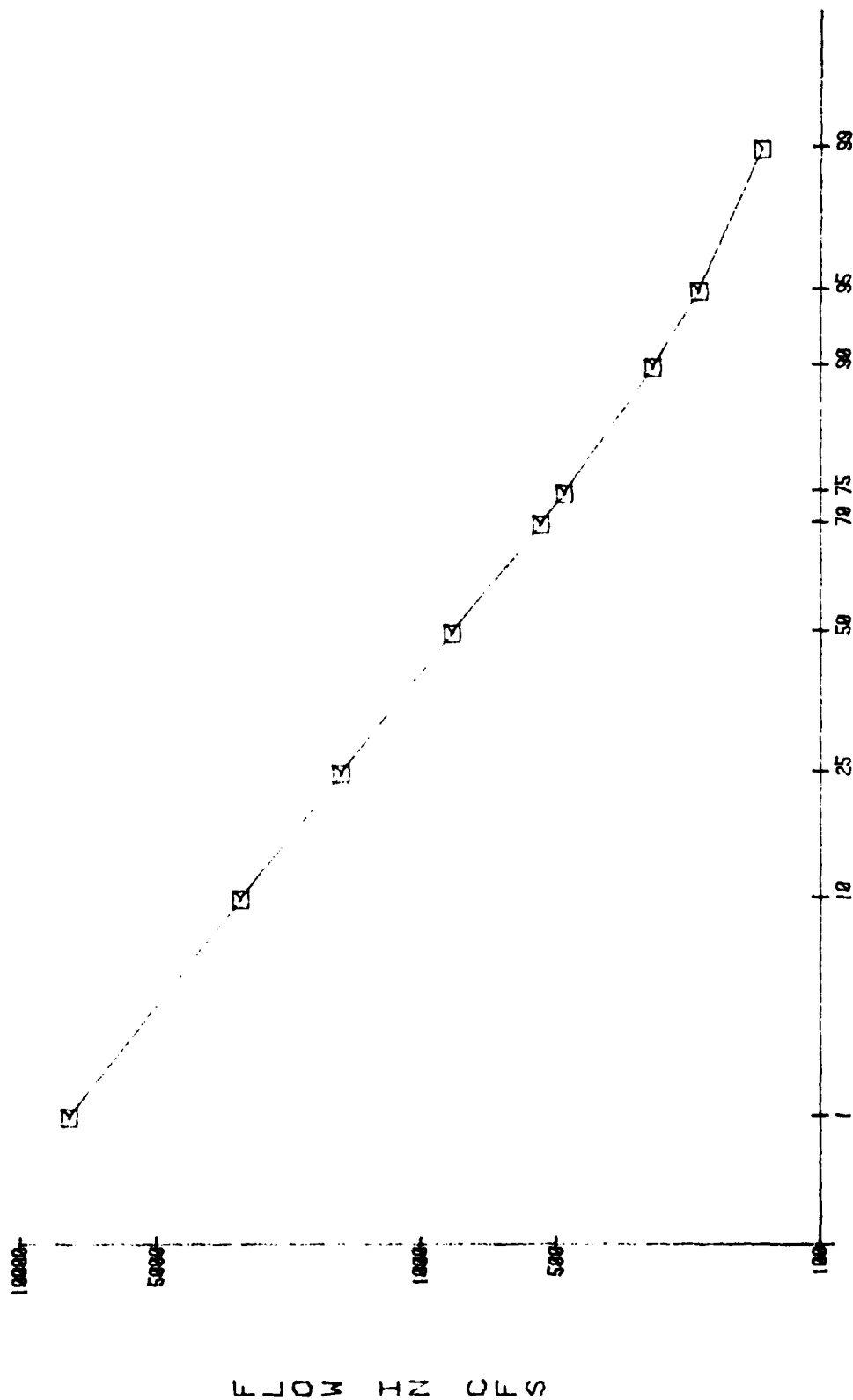
PERCENT TIME EQUALED OR EXCEEDED

Figure C-37. Base Run Flow Duration Curve for
01470960, Tulpehocken Creek at Blue Marsh Damsite, PA.



PERCENT TIME EQUALED OR EXCEEDED

Figure C-38. Base Run Flow Duration Curve for
01471000, Tulpehocken Creek at Reading, PA.



PERCENT TIME EQUALED OR EXCEEDED

Figure C-39. Base Run Flow Duration Curve for
01471500, Schuylkill River at Reading, PA.

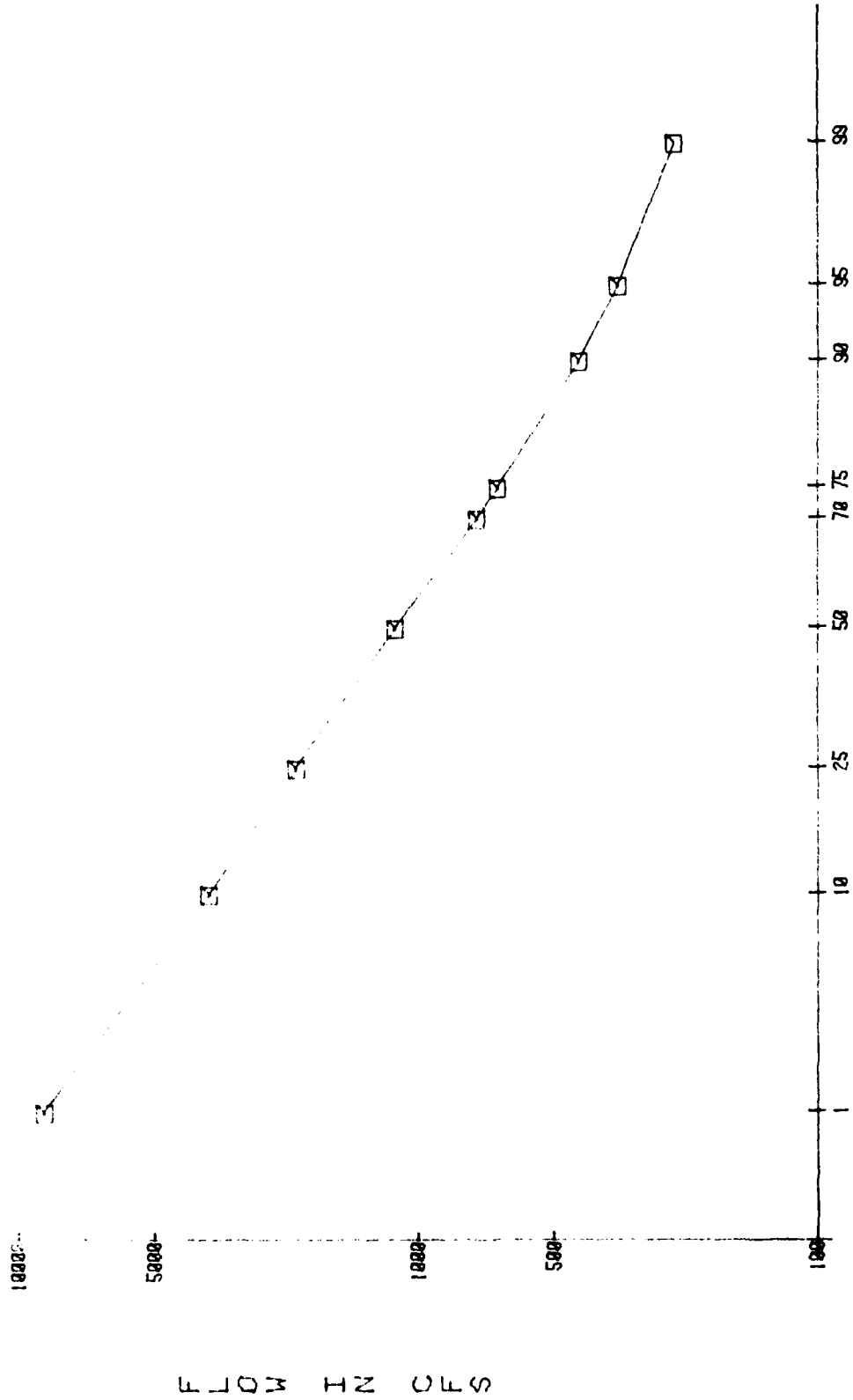
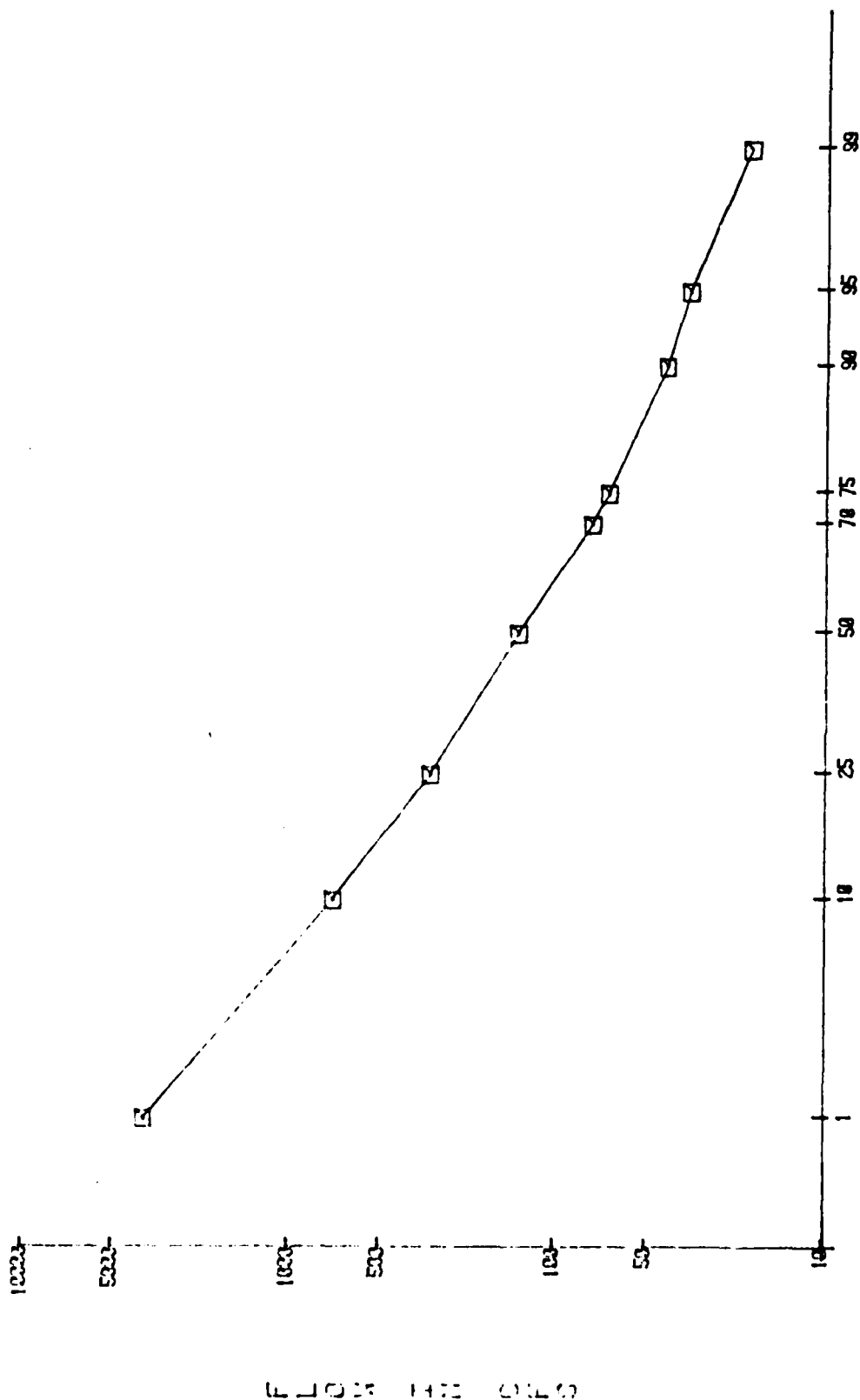


Figure C-40. Base Run Flow Duration Curve for
01472000, Schuylkill River at Pottstown, PA.



PERCENT TIME EQUALED OR EXCEEDED
 Figure C-41. Base Run Flow Duration Curve for
 01473000, Perkriomen Creek at Graterford, PA.

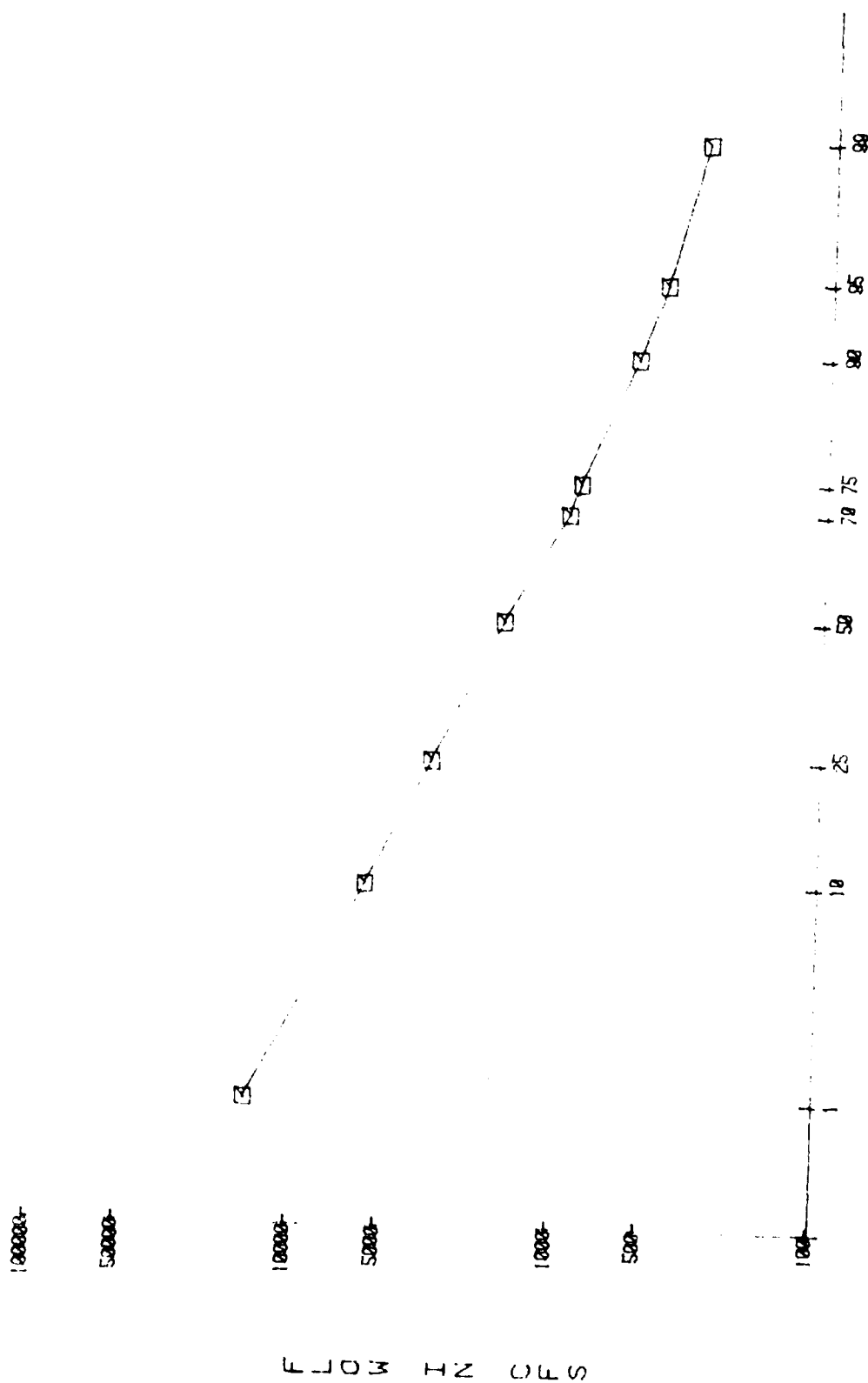
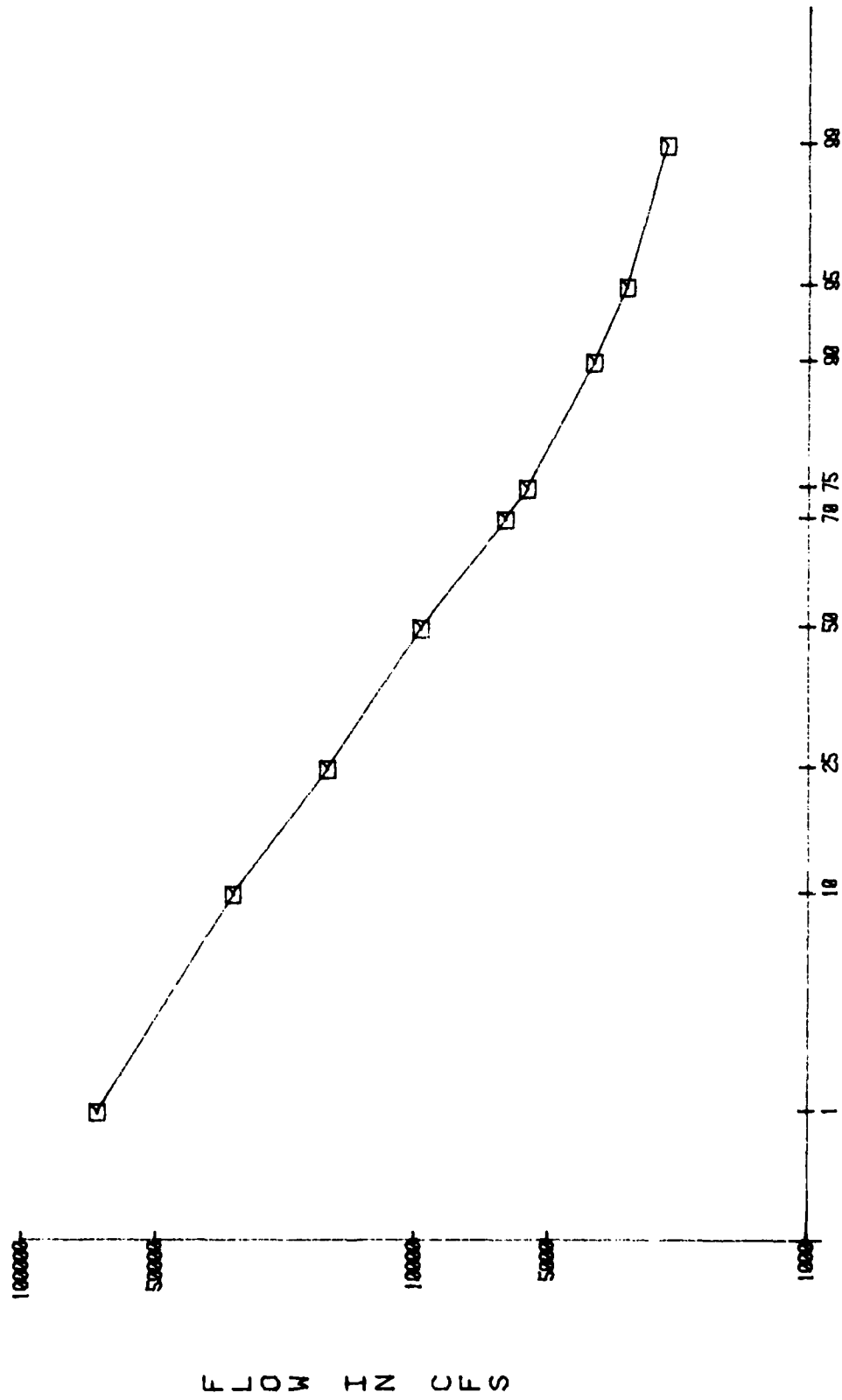


Figure C-40
 Base Run Flow Duration Curve for
 6174500, Schuylkill River at Philadelphia, PA.



PERCENT TIME EQUALED OR EXCEEDED
 Figure C-43. Base Run Flow Duration Curve for
 Delaware River Below Schuylkill Confluence

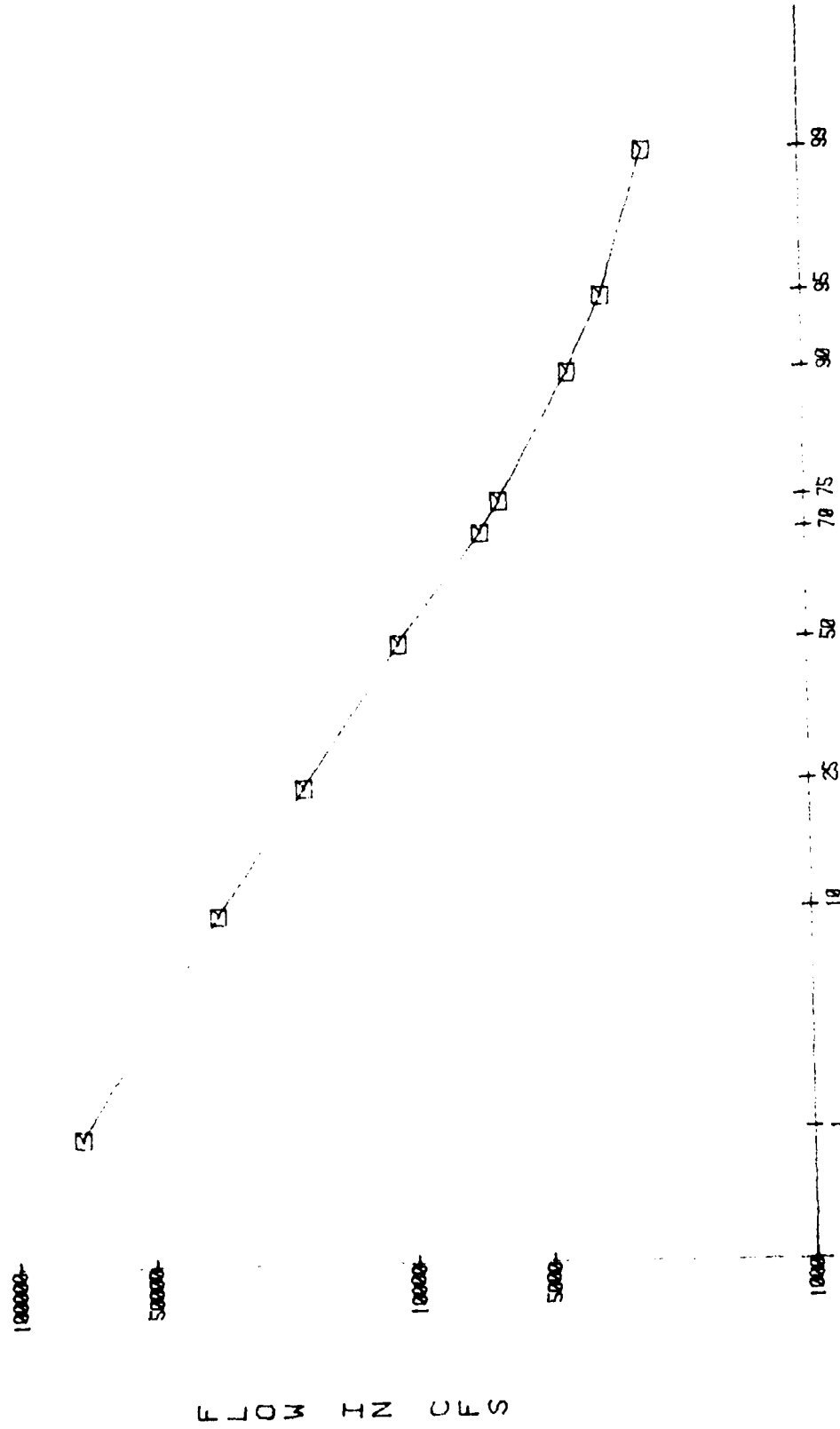


Table C-2.1. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 014700C
East Branch Delaware River at Downsview, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	9.75	65.2
2	50.00	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	12.2	74.7
5	20.00	6.20	6.20	6.20	6.20	6.20	6.20	6.89	8.48	17.2	91.8
10	10.00	6.20	6.20	6.20	6.27	7.08	8.80	11.0	12.5	23.8	111
20	5.00	9.88	10.1*	10.5	10.8	12.1	15.0	18.4	19.7	35.5	139
50	2.00	24.5	25.5*	26.3	27.0	29.3	34.4	41.4	44.3	80.3	220
80	1.25	53.6	55.5*	56.4	57.2	58.6	63.9	76.2	92.7	193	354
90	1.11	76.9	78.1*	79.5	79.8	80.7*	81.8	97.6	133	313	458
96	1.04	109	110*	112*	115*	118*	120*	121	191	535	606
98	1.02	135	136*	137*	138*	139*	140*	141*	238	600*	728
99	1.01	161	185*	205*	222*	243*	265*	279*	289	730*	861

*Recalculated

Table C-2.2. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 1421000
East Branch Delaware River at Fishs Eddy, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	21.5	40.9	110	138	171	205	247	299	575	666
2	50.00	28.4	50.3	119	149	184	218	261	312	602	704
5	20.00	41.6	66.7	132	167	205	241	284	335	647	767
10	10.00	56.4	83.7	145	184	224	264	309	361	695	830
20	5.00	78.4	107	162	206	250	295	343	400	765	919
50	2.00	130	157	201	250	304	372	431	511	942	1130
80	1.25	187	208	248	299	366	476	557	696	1000	1420
90	1.11	215	232	277	326	401	546	645	842	1390	1620
96	1.04	241	255	311	356	441	635	762	1050	1650	1860
98	1.02	256	268	335	375	467	702	853	1230	1850	2050
99	1.01	267	278	358	393	492	770	948	1430	2060	2240

Table C-2.3. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 1425000
West Branch Delaware River at Stilesville, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70	8.33	80.2
2	50.00	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70	10.4	91.2
5	20.00	7.70	7.70	7.70	7.70	7.70	8.05	8.23	9.24	14.6	111
10	10.00	7.92	7.94	8.08	8.31	8.87	10.3	10.5	11.7	20.1	132
20	5.00	11.3	11.4	11.5	12.0	12.8	14.1	14.5	16.3	30.3	162
50	2.00	20.8	21.0	21.2	22.0	23.3	25.7	28.6	34.2	70.8	245
80	1.25	35.0	35.3	35.4	36.4	37.6	47.8	62.3	84.6	181	371
90	1.11	44.3	44.7	44.9*	45.6	46.3	66.5	97.3	146	306	462
96	1.04	55.6	56.1	56.2*	56.3	72.1*	95.2	161	275	551	585
98	1.02	63.6	66.2*	70.0*	72.2*	75.9*	120	228	428	600*	683
99	1.01	71.1	86.0*	100*	114*	131*	149	314	650	700*	785

*Recalculated

Table C-2.4. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 1426500
West Branch Delaware River at Hale Eddy, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	7.70	10.8	22.3	33.8	64.5	82.2	89.3	119	196	235
2	50.00	7.70	14.3	26.3	38.5	68.5	90.2	100	128	205	253
5	20.00	9.68	20.8	32.9	46.2	75.1	103	118	144	222	283
10	10.00	14.6	27.7	40.0	53.8	81.8	117	137	161	241	314
20	5.00	22.7	37.3	48.4	63.7	90.9	135	162	185	269	358
50	2.00	44.2	56.5	66.9	84.3	113	177	219	249	347	470
80	1.25	70.4	72.1	86.0	106	141	230	290	346	475	635
90	1.11	83.7	87.5*	95.4	117	160	263	332	416	575	751
96	1.04	96.2	99.9*	105	129	184	303	382	512	719	905
98	1.02	103	107*	110	136	201	332	417	589	840	1030
99	1.01	108	111*	115	142	219	360	450	670	974	1150

*Recalculated

Table C-2.5. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 1427405
Delaware River at Callicoon, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	149	219	316	366	414	534	613	727	1070	1230
2	50.00	167	237	332	387	444	561	640	745	1130	1310
5	20.00	194	265	359	419	490	605	686	780	1240	1440
10	10.00	221	293	385	449	532	648	733	821	1340	1570
20	5.00	256	328	419	487	585	708	799	887	1490	1750
50	2.00	328	402	495	567	691	845	962	1080	1840	2180
80	1.25	405	484	585	656	800	1020	1190	1420	2350	2750
90	1.11	446	529	640	705	857	1140	1350	1690	2690	3120
96	1.04	490	580	705	761	917	1280	1560	2100	3130	3590
98	1.02	517	613	750	798	955	1380	1710	2440	3470	3940
99	1.01	541	644	794	832	989	1480	1880	2830	3810	4290

Table C-2.6. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 014285000
Delaware River near Barryville, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	160*	230	366	431	496	630	716	810	1280	1530
2	50.00	175*	256	389	457	530	656	743	834	1370	1630
5	20.00	208*	296	424	498	583	700	790	881	1500	1800
10	10.00	270*	335	457	536	632	745	841	935	1650	1970
20	5.00	300*	384	501	583	694	809	915	1020	1840	2200
50	2.00	368	482	594	681	815	970	1110	1270	2310	2730
80	1.25	479	581	700	784	940	1200	1410	1720	2940	3420
90	1.11	530	631	761	840	1010	1360	1630	2090	3350	3860
96	1.04	576	682	831	901	1070	1570	1930	2640	3870	4400
98	1.02	602	713	879	940	1120	1730	2170	3110	4260	4800
99	1.01	622	740	923	976	1160	1900	2420	3650	4650	5190

*Recalculated

Table C-2.7. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01429000
Lackawaxen River at Prompton, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days										
		1	3	7	14	30	60	90	120	183	365	
1	100.00	3.92	4.25	4.76	5.26	5.82	6.34	7.68	9.56	40.4	50.5	
2	50.00	4.30	4.62	5.14	5.68	6.31	7.07	8.75	11.2	43.6	55.0	
5	20.00	4.96	5.27	5.81	6.43	7.20	8.41	10.7	14.1	48.8	62.2	
10	10.00	5.65	5.95	6.52	7.24	8.17	9.88	12.8	17.3	54.1	69.1	
20	5.00	6.64	6.95	7.58	8.43	9.66	12.1	16.1	22.1	61.4	78.3	
50	2.00	9.15	9.56	10.4	11.6	13.9	18.6	25.5	34.9	78.4	98.1	
80	1.25	12.8	13.6	14.9	16.8	21.3	29.8	41.6	54.4	101	121	
90	1.11	15.4	16.5	18.3	20.7	27.2	38.7	54.3	68.3	115	134	
96	1.04	18.4	20.5	23.1	26.3	36.1	52.0	72.8	86.7	134	149	
98	1.02	21.5	23.7	27.1	30.9	43.9	63.4	88.5	101	147	160	
99	1.01	24.3	27.2	31.4	35.9	52.7	76.2	106	116	160	169	

Table C-2.8. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01429500
Dyberry Creek Near Honesdale, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days										
		1	3	7	14	30	60	90	120	183	365	
1	100.00	1.67	1.91	2.40	2.80	3.24	3.63	4.89	6.74	37.1	46.8	
2	50.00	1.95	2.18	2.68	3.09	3.58	4.17	5.64	8.01	40.4	51.6	
5	20.00	2.46	2.67	3.17	3.60	4.21	5.18	7.06	10.4	45.9	59.3	
10	10.00	3.00	3.20	3.71	4.18	4.93	6.33	8.71	13.1	51.4	66.8	
20	5.00	3.80	3.98	4.52	5.06	6.06	8.16	11.4	17.3	59.0	76.8	
50	2.00	5.86	6.06	6.76	7.61	9.49	13.7	20.0	29.5	77.0	98.2	
80	1.25	8.81	9.28	10.5	12.1	16.0	24.3	37.1	50.4	101	123	
90	1.11	10.8	11.6	13.3	15.8	21.7	33.3	52.7	66.8	116	137	
96	1.04	13.3	14.8	17.4	21.8	30.8	47.5	78.0	90.0	135	152	
98	1.02	15.2	17.3	20.8	26.3	39.1	60.1	102	109	148	163	
99	1.01	17.1	19.9	24.5	31.8	48.9	74.8	130	130	162	172	

Table C-2.9 Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01430000
Lackawaxen River at Honesdale, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	7.69	8.61	9.02	9.53	11.1	12.5	16.5	21.8	105	130
2	50.00	8.64	9.54	10.1	10.6	12.5	14.4	19.2	26.0	114	143
5	20.00	10.3	11.2	11.9	12.9	15.0	18.0	24.2	33.5	129	163
10	10.00	12.1	12.9	13.9	15.2	17.7	22.1	29.3	42.0	143	183
20	5.00	14.6	15.5	16.8	18.6	22.0	28.4	38.7	54.8	164	209
50	2.00	21.2	22.3	24.6	27.7	33.7	46.6	64.6	90.2	211	264
80	1.25	31.0	33.0	36.8	41.6	53.4	78.3	110	146	272	327
90	1.11	37.8	40.8	45.9	51.7	68.8	104	148	186	310	362
96	1.04	46.9	51.6	58.5	65.5	90.9	141	202	240	357	402
98	1.02	53.9	60.4	68.6	76.5	109	172	249	282	392	428
99	1.01	61.2	69.7	79.5	88.0	130	207	301	326	425	452

Table C-2.10. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01431500
Lackawaxen River at Hawley, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	9.31	14.0	15.1	16.5	19.1	20.2	27.0	35.7	178	220
2	50.00	11.1	15.4	16.7	18.4	21.3	23.5	31.4	42.3	193	243
5	20.00	14.2	18.0	19.6	21.7	25.3	29.6	39.7	54.7	220	281
10	10.00	17.6	20.8	22.7	25.3	29.7	36.6	49.1	68.6	246	318
20	5.00	22.6	25.0	27.4	30.7	36.5	47.5	64.0	90.1	282	367
50	2.00	35.4	36.7	40.4	45.5	56.0	79.5	109	151	368	471
80	1.25	53.6	55.8	62.0	69.7	90.2	136	190	253	480	589
90	1.11	65.7	70.7	78.8	88.3	118	182	258	330	553	655
96	1.04	80.6	92.0	103	115	160	251	361	439	643	729
98	1.02	91.6	110	123	137	196	309	450	526	709	777
99	1.01	102	129	146	161	236	374	551	620	775	821

Table C-2.11. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01434000
Delaware River at Port Jervis, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	524	874	1090	1220	1300*	1320	1330*	1340*	2070	2380
2	50.00	569	903	1110	1230	1310	1330	1340*	1350*	2210	2560
5	20.00	641	949	1130	1240	1320	1350	1360	1440	2440	2860
10	10.00	707	991	1160	1250	1330	1380	1430	1540	2670	3160
20	5.00	790	1040	1190	1280	1360	1430	1540	1700	2990	3550
50	2.00	953	1160	1300	1380	1470	1630	1860	2160	3740	4430
80	1.25	1120	1280	1440	1540	1700	2040	2410	2940	4740	5520
90	1.11	1200	1350	1540	1670	1900	2380	2840	3560	5400	6190
96	1.04	1280	1430	1670	1840	2210	2910	3470	4480	6230	6990
98	1.02	1330	1480	1770	1980	2470	3380	4000	5260	6840	7550
99	1.01	1380	1530	1870	2130	2770	3920	4590	6150	7460	8090

*Recalculated

Table C-2.12. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01436000
Neversink River at Neversink, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	6.80	28.6
2	50.00	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	8.35	31.5
5	20.00	4.60	4.60	4.60	4.60	4.60	4.60	5.07	5.67	11.2	36.3
10	10.00	4.94	4.95	5.06	5.17	5.39	6.50	7.35	8.15	14.5	41.0
20	5.00	7.41	7.46	7.59	7.82	8.13	9.77	11.0	12.1	19.4	47.4
50	2.00	14.8	15.0	15.1	15.6	16.2	18.7	20.4	22.8	32.6	61.9
80	1.25	26.7	27.0	27.4*	27.7	28.3	30.3	32.0	37.0	51.9	79.5
90	1.11	34.9	35.3	35.5*	35.6	36.2	36.8	38.2	45.1	64.9	90.1
96	1.04	45.2	45.7	48.5*	50.0*	51.0*	52.0*	52.9*	53.7	81.2	103
98	1.02	52.7	53.1	54.5*	56.0*	57.0*	58.0*	58.5*	59.0	93.0	111
99	1.01	59.8	60.3	61.0*	61.5*	62.0*	62.5*	63.0*	63.5	105	119

*Recalculated

Table C-2.13. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01437000
Neversink River at Oakland Valley, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	5.33	13.4	18.7	36.5	54.4	76.2	87.3	103	155	172
2	50.00	7.30	16.3	22.0	39.2	57.0	78.2	89.6	105	160	180
5	20.00	11.3	21.4	27.8	43.7	61.4	82.2	94.1	109	169	193
10	10.00	16.0	26.9	33.8	48.3	66.0	86.7	99.1	114	179	206
20	5.00	23.5	34.9	42.2	54.7	72.8	93.8	107	123	194	225
50	2.00	43.2	54.3	61.6	70.6	90.2	114	130	150	235	275
80	1.25	68.1	79.0	85.3	92.8	116	150	169	199	299	347
90	1.11	81.8	93.8	99.0	108	135	178	200	241	347	398
96	1.04	96.0	111	114	128	161	219	245	304	414	467
98	1.02	105	122	124	143	181	254	283	359	469	521
99	1.01	112	132	134	158	203	293	326	423	528	577

Table C-2.14. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01438500
Delaware River at Montague, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	940*	1300	1490	1560	1590*	1600*	1610*	1650*	2400	2710
2	50.00	1040*	1340	1500	1570	1600	1610*	1620*	1680*	2560	2930
5	20.00	1180*	1400	1510	1580*	1610*	1620*	1630*	1700*	2830	3290
10	10.00	1290	1450	1530	1590*	1620*	1630*	1660	1780	3100	3640
20	5.00	1340	1510	1570	1600	1630	1680	1790	1970	3470	4120
50	2.00	1440	1600	1650	1680	1730	1900	2160	2510	4350	5170
80	1.25	1510	1680	1790	1840	1990	2370	2810	3430	5510	6440
90	1.11	1550	1710	1880	1980	2220	2780	3330	4160	6270	7210
96	1.04	1580	1740	2000	2170	2590	3420	4080	5230	7220	8120
98	1.02	1600	1760	2090	2330	2910	3990	4720	6140	7930	8750
99	1.01	1620	1770	2180	2500	3280	4660	5430	7160	8640	9360

*Recalculated

Table C-2.15. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01440200
Delaware River Below Tocks Island Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	951	1360	1620*	1660*	1680*	1690*	1720*	1820*	2580	2970
2	50.00	1050	1410	1630*	1670	1690*	1700*	1730*	1840*	2780	3230
5	20.00	1200	1470	1640	1680	1700	1710*	1750*	1860*	3100	3650
10	10.00	1320	1530	1650	1680	1710	1720	1760	1910	3420	4060
20	5.00	1450	1600	1670	1700	1730	1800	1920	2150	3860	4600
50	2.00	1620	1720	1750	1790	1860	2070	2390	2800	4880	5800
80	1.25	1680*	1830	1930	2000	2180	2640	3170	3880	6210	7240
90	1.11	1690*	1880	2070	2190	2480	3140	3790	4720	7050	8080
96	1.04	1700	1930	2280	2460	2970	3930	4680	5950	8100	9070
98	1.02	1710	1960	2460	2700	3400	4640	5440	6980	8860	9750
99	1.01	1720*	1980	2640	2960	3900	5470	6280	8140	9610	10400

*Recalculated

Table C-2.16. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01446500
Delaware River at Belvidere, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1150	1360	1650	1710	1770	1790*	1860*	1890*	2930	3420
2	50.00	1220	1410	1660	1720*	1780*	1820*	1880*	1910*	3180	3740
5	20.00	1320	1490	1680	1730	1790	1830*	1890*	1940	3590	4280
10	10.00	1410	1570	1710	1750	1810	1850	1920	2140	4000	4790
20	5.00	1520	1660	1750	1800	1860	1970	2140	2450	4550	5480
50	2.00	1730	1860	1910	1960	2070	2370	2770	3300	5840	6980
80	1.25	1930	2080	2180	2280	2560	3150	3800	4680	7480	8730
90	1.11	2040	2200	2400	2550	3000	3810	4590	5740	8520	9750
96	1.04	2140	2330	2710	2950	3690	4830	5730	7260	9780	10900
98	1.02	2200	2420	2960	3290	4320	5740	6690	8540	10700	11700
99	1.01	2260	2500	3230	3670	5060	6810	7740	9940	11600	12400

*Recalculated

Table C-2.17. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01447800
Lehigh River at White Haven, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	12.2	31.7	40.0	41.2	41.3	50.2	62.7	86.6	223	301
2	50.00	18.2	36.5	43.9	45.7	47.7	57.4	72.2	98.9	245	329
5	20.00	30.4	44.5	50.5	53.4	58.6	70.3	89.3	121	281	374
10	10.00	44.1	52.5	57.3	61.4	70.0	84.4	108	144	317	418
20	5.00	62.3	63.1	66.7	72.6	85.9	105	135	179	365	474
50	2.00	91.3	86.0	89.3	99.9	124	162	210	271	477	592
80	1.25	103	111	120	138	172	251	326	411	618	723
90	1.11	104*	124	140	163	202	317	410	511	705	795
96	1.04	105	138	165	194	238	406	524	647	809	874
98	1.02	106*	147	184	218	263	478	615	753	884	926
99	1.01	107*	155	203	241	286	554	709	863	955	974

*Recalculated

Table C-2.18. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01449800
Pohopoco Creek at Beltzville Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	5.67	11.1	13.1	14.1	14.3	17.4	18.8	23.3	53.5	72.4
2	50.00	7.64	12.8	14.6	15.8	16.4	19.4	21.5	26.9	59.4	79.5
5	20.00	11.3	15.6	17.3	18.6	20.0	23.0	26.4	33.4	69.2	90.9
10	10.00	15.3	18.5	20.0	21.4	23.7	26.9	31.7	40.3	78.8	102
20	5.00	20.8	22.3	23.6	25.3	28.7	32.6	39.5	50.4	91.9	117
50	2.00	31.3	30.5	32.0	34.2	39.8	47.9	60.4	76.2	121	148
80	1.25	39.0	39.8	42.3	45.3	53.1	71.9	92.7	113	156	185
90	1.11	41.3	44.8	48.5	52.2	60.7	89.7	116	139	177	206
96	1.04	42.8	50.2	55.7	60.2	69.1	114	148	171	200	229
98	1.02	43.3	53.6	60.7	65.9	74.7	134	173	195	217	245
99	1.01	43.6	56.7	65.5	71.3	79.8	155	199	219	232	260

Table C-2.19. Base Run Low Flow Frequency Table
(Flow in cfs)
Aquashicola Creek at Aquashicola Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	6.93	7.74	8.33	8.92	9.57	11.4	12.9	16.2	38.9	54.4
2	50.00	7.99	8.85	9.56	10.2	11.1	13.1	15.2	19.0	44.0	61.2
5	20.00	9.82	10.7	11.7	12.5	13.8	16.2	19.2	24.1	52.5	72.2
10	10.00	11.7	12.6	13.8	15.7	16.5	19.5	23.6	29.7	61.0	82.8
20	5.00	14.3	15.3	16.7	17.9	20.4	24.4	30.3	37.9	72.5	96.6
50	2.00	20.4	21.3	23.4	25.1	29.6	37.2	47.9	59.6	98.0	126
80	1.25	27.9	28.8	31.5	34.1	41.1	56.2	74.4	92.1	128	156
90	1.11	32.4	33.2	36.3	39.4	48.1	69.5	93.1	115	145	173
96	1.04	37.6	38.3	41.6	45.5	56.3	87.0	118	144	164	189
98	1.02	41.2	41.7	45.3	49.7	61.9	100	136	166	177	200
99	1.01	44.5	44.9	48.6	53.6	67.1	114	155	189	188	209

Table C-2.20. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01450500
Aquashicola Creek at Palmerton, PA.

Probability (Percent)	Recurrence Interval (Years)	1	3	7	14	30	60	90	120	183	365
1	100.00	8.22	9.15	9.86	10.5	11.2	13.3	15.0	18.9	45.2	63.3
2	50.00	9.45	10.4	11.3	12.0	13.0	15.3	17.6	22.2	51.2	71.2
5	20.00	11.6	12.6	13.7	14.6	16.1	18.9	22.4	28.1	61.1	84.0
10	10.00	13.7	14.8	16.1	17.2	19.3	22.7	27.5	34.5	71.0	96.3
20	5.00	16.7	17.8	19.4	20.8	23.7	28.4	35.2	44.0	84.3	112
50	2.00	23.7	24.8	27.1	29.1	34.3	43.2	55.6	69.3	114	146
80	1.25	32.4	33.4	36.5	39.5	47.8	65.3	86.5	107	149	182
90	1.11	37.6	38.6	42.1	45.8	56.0	80.9	108	133	168	201
96	1.04	43.6	44.6	48.5	53.1	65.5	101	137	167	191	220
98	1.02	47.8	48.7	52.9	58.1	72.2	117	159	193	205	233
99	1.01	51.6	52.5	56.9	62.9	78.4	133	181	220	219	244

Table C-2.21. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01451000
Lehigh River at Walnutport, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	129	133	145	156	165	186	208	268	654	816
2	50.00	139	144	157	170	183	208	237	305	717	909
5	20.00	157	163	177	193	213	247	290	371	823	1060
10	10.00	174	183	198	217	245	289	348	442	931	1210
20	5.00	200	210	228	250	291	354	435	550	1080	1400
50	2.00	263	277	304	335	407	531	676	848	1430	1820
80	1.25	354	371	413	457	572	822	1070	1330	1900	2290
90	1.11	417	435	488	541	687	1050	1360	1700	2210	2550
96	1.04	499	518	588	652	836	1370	1780	2220	2580	2840
98	1.02	563	581	666	737	950	1630	2110	2650	2860	3030
99	1.01	629	646	746	826	1070	1920	2480	3110	3130	3200

Table C-2.22. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01451800
Jordan Creek Near Schnecksville, PA.

Probability (Percent)	Recurrence Interval (years)	For Following Number of Consecutive Days									
		1*	3*	7*	14*	30	60	90	120	183	365
1	100.00	0.30	0.31	0.44	0.56	0.72	1.12	1.45	2.58	11.9	27.6
2	50.00	0.51	0.58	0.72	0.85	1.03	1.60	2.15	3.60	14.9	31.5
5	20.00	1.08	1.16	1.43	1.62	1.71	2.64	3.70	5.79	20.3	38.1
10	10.00	1.68	1.82	2.20	2.40	2.58	4.00	5.78	8.57	26.1	44.7
20	5.00	2.41	2.69	3.05	3.27	4.06	6.37	9.44	13.3	34.5	53.6
50	2.00	4.40	5.20	5.80	7.26	8.60	13.9	21.0	27.9	53.8	73.5
80	1.25	7.50	8.05	9.40	11.6	15.6	26.2	39.4	51.4	75.9	96.5
90	1.11	9.25	9.70	11.8	13.5	20.2	34.8	51.4	67.5	87.5	110
96	1.04	11.0	11.5	15.0	22.0	25.6	45.4	65.4	87.2	99.3	124
98	1.02	12.1	12.5	17.0	25.1	29.3	52.8	74.7	101	106	134
99	1.01	13.2	13.9	19.0	25.4	32.6	59.9	83.1	114	112	142

*Calculated from adjusted probabilities

Table C-2.23. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01452000
Jordan Creek at Allentown, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1*	3*	7*	14*	30	60	90	120	183	365
1	100.00	0.31	0.52	0.85	0.99	1.12	1.70	2.14	3.73	17.0	39.5
2	50.00	0.62	0.97	1.35	1.46	1.58	2.40	3.14	5.20	21.3	45.1
5	20.00	1.48	1.99	2.40	2.49	2.55	3.90	5.37	8.32	29.0	54.5
10	10.00	2.30	2.90	3.45	3.60	3.80	5.83	8.32	12.3	37.4	63.9
20	5.00	3.60	4.10	4.60	4.87	5.90	9.17	13.5	19.1	49.3	76.6
50	2.00	6.60	7.15	8.00	10.9	12.3	19.7	29.9	39.8	76.9	105
80	1.25	10.8	11.1	13.1	16.5	22.3	37.4	56.2	73.4	108	138
90	1.11	13.2	13.8	16.8	18.3	28.9	49.8	73.8	96.4	125	157
96	1.04	15.7	17.0	21.8	28.0	36.8	65.3	93.8	125	142	177
98	1.02	17.1	19.0	25.5	34.0	42.3	76.5	108	145	152	191
99	1.01	18.2	21.0	28.5	35.0	47.3	87.3	120	154	160	203

*Calculated from adjusted probabilities

Table C-2.24. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01453000
Lehigh River at Bethlehem, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	231	276	291	300	309	327	351	431	905	1140
2	50.00	251	292	308	321	336	360	394	482	987	1160
5	20.00	284	319	339	357	383	420	471	573	1120	1440
10	10.00	318	347	370	394	430	483	553	672	1260	1610
20	5.00	365	387	415	445	498	577	675	819	1460	1850
50	2.00	479	490	530	574	663	827	1010	1220	1920	2380
80	1.25	634	643	698	757	896	1220	1530	1860	2550	3010
90	1.11	737	753	816	884	1050	1510	1930	2340	2960	3380
96	1.04	868	900	975	1050	1260	1920	2470	3020	3470	3820
98	1.02	966	1020	1100	1180	1410	2250	2920	3570	3850	4410
99	1.01	1070	1140	1230	1310	1570	2600	3390	4160	4230	4400

Table C-2.25. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01454700
Lehigh River at Glendon, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	271	308	323	334	343	362	388	472	964	1220
2	50.00	291	325	342	357	373	398	434	526	1050	1340
5	20.00	324	354	375	396	423	461	515	623	1190	1520
10	10.00	358	384	410	436	473	529	602	727	1340	1700
20	5.00	407	428	460	493	547	629	732	882	1540	1940
50	2.00	528	541	585	633	725	895	1080	1300	2030	2490
80	1.25	702	712	769	832	972	1310	1640	1980	2690	3160
90	1.11	822	836	899	968	1140	1620	2050	2490	3130	3560
96	1.04	980	1000	1070	1150	1350	2040	2630	3200	3680	4030
98	1.02	1100	1140	1210	1280	1520	2390	3100	3790	4090	4350
99	1.01	1230	1280	1350	1420	1680	2760	3610	4420	4500	4670

Fig. 10 C-2.26. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01456000
Musconetcong River Near Hackettstown, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	5.39	6.16	7.42	7.86	8.82	10.1	11.0	12.7	31.2	44.5
2	50.00	6.35	7.16	8.44	9.02	10.2	11.8	13.0	15.3	35.9	51.3
5	20.00	8.06	8.92	10.2	11.1	12.7	14.8	16.8	20.2	44.1	62.8
10	10.00	9.89	10.8	12.1	13.2	15.3	18.2	21.0	25.6	52.6	74.3
20	5.00	12.6	13.5	14.9	16.4	19.2	23.2	27.4	34.0	64.4	89.8
50	2.00	19.4	20.5	22.2	24.5	29.2	37.0	45.2	56.7	92.5	124
80	1.25	29.1	30.3	32.9	36.3	43.8	58.9	73.8	91.7	128	162
90	1.11	35.5	36.8	40.4	44.4	53.8	75.1	94.8	116	150	183
96	1.04	43.4	45.1	50.3	54.9	66.7	97.1	124	149	176	205
98	1.02	49.3	51.2	57.9	62.8	76.5	115	146	173	193	220
99	1.01	55.0	57.2	65.7	70.9	86.3	133	170	198	210	233

Table C-2.27. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01457500
Delaware River at Riegelsville, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1370	1550	1760	1850	1970	1990	2020	2050	3820	4670
2	50.00	1440	1620	1810	1900	2000	2070	2130	2210	4200	5150
5	20.00	1560	1730	1900	1970	2080	2100	2210	2500	4810	5930
10	10.00	1680	1840	1980	2050	2160	2270	2450	2840	5430	6690
20	5.00	1830	1990	2110	2180	2310	2540	2840	3350	6270	7690
50	2.00	2170	2310	2440	2540	2760	3300	3910	5040	8580	10000
80	1.25	2580	2720	2920	3120	3490	4600	6020	7240	11000	12800
90	1.11	2820	2980	3250	3560	4260	6060	7390	8880	12500	14200
96	1.04	3100	3240	3700	4170	5280	7680	9340	11200	14400	15800
98	1.02	3300	3500	4050	4680	6170	9060	10100	13100	15700	16900
99	1.01	3490	3710	4410	5230	7180	10600	12700	15100	16900	18000

Table C-2.28. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01459500
Tohickon Creek at Pipersville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1*	3*	7	14	30	60	90	120	183	365
1	100.00	0.08	0.27	0.57	0.63	0.70	0.90	1.25	2.06	14.1	50.3
2	50.00	0.10	0.40	0.65	0.74	0.87	1.20	1.72	3.00	18.5	57.6
5	20.00	0.27	0.64	0.82	0.93	1.21	1.83	2.78	5.12	27.1	70.3
10	10.00	0.62	0.84	1.02	1.18	1.62	2.67	4.25	8.06	37.1	83.2
20	5.00	0.95	1.15	1.35	1.58	2.33	4.22	7.06	13.6	52.5	101
50	2.00	1.74	2.05	2.40	2.94	4.74	10.1	18.4	33.8	93.0	143
80	1.25	3.15	3.65	4.61	5.99	9.90	24.1	47.2	75.5	147	195
90	1.11	4.45	5.00	6.68	9.01	14.7	38.0	76.6	110	179	226
96	1.04	6.40	7.25	10.2	14.3	22.6	61.7	128	161	214	262
98	1.02	9.20	9.30	13.5	19.6	29.9	84.2	177	201	237	287
99	1.01	9.80	11.0	17.6	26.3	38.7	112	238	244	257	310

*Calculated from adjusted probabilities

Table C-2.29. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01463500
Delaware River at Trenton, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1420	1600	1790	1890	2020	2040*	2070*	2090	4040	4980
2	50.00	1500	1670	1850	1940	2060	2130*	2200*	2290	4450	5500
5	20.00	1620	1790	1950	2030	2150	2170	2290	2640	5120	6340
10	10.00	1750	1910	2050	2120	2250	2370	2580	3010	5790	7160
20	5.00	1910	2070	2200	2270	2420	2680	3020	3570	6700	8240
50	2.00	2280	2420	2570	2680	2930	3530	4200	5060	8790	10600
80	1.25	2740	2880	3100	3330	3840	4960	6110	7440	11400	13300
90	1.11	3010	3170	3460	3810	4580	6090	7570	9240	13000	14800
96	1.04	3340	3510	3950	4480	5680	7730	9640	11800	14900	16500
98	1.02	3580	3770	4320	5030	6630	9130	11400	13900	16300	17600
99	1.01	3800	4010	4700	5620	7710	10700	13200	16100	17600	18600

*Recalculated

Table C-2.30. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01467500
Schuylkill River at Pottsville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	9.97	10.8	11.9	12.8	14.5	15.5	17.1	18.7	35.6	47.6
2	50.00	10.8	11.7	12.8	13.7	15.5	16.9	19.1	21.2	39.2	51.8
5	20.00	12.2	13.2	14.3	15.2	17.3	19.4	22.2	25.4	45.3	58.7
10	10.00	13.7	14.7	15.9	16.8	19.1	21.9	25.6	29.9	51.3	65.4
20	5.00	15.7	16.8	18.0	19.0	21.8	25.6	30.5	36.2	59.4	74.4
50	2.00	20.4	21.6	23.3	24.7	28.4	35.0	42.8	52.1	77.9	94.1
80	1.25	26.6	28.1	30.6	32.9	38.2	49.0	60.8	74.7	101	118
90	1.11	30.6	32.4	35.5	38.7	45.1	59.1	73.3	89.8	115	132
96	1.04	35.6	37.6	41.8	46.3	54.3	72.5	89.7	109	131	148
98	1.02	39.4	41.5	46.6	52.2	61.5	83.1	102	124	142	159
99	1.01	43.1	45.4	51.6	58.4	69.0	94.3	115	139	153	169

Table C-2.31. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01467950
West Branch Schuylkill River at Cressona, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	8.52	9.55	10.8	11.1	12.1	13.8	14.9	17.6	28.1	38.0
2	50.00	9.56	10.6	11.7	12.1	13.2	15.1	16.6	19.6	31.6	42.2
5	20.00	11.2	12.2	13.3	13.8	15.1	17.4	19.5	23.0	37.3	48.9
10	10.00	12.9	13.8	14.8	15.5	17.0	19.8	22.5	26.6	42.9	55.2
20	5.00	15.1	15.9	16.9	17.8	19.6	23.2	26.9	31.7	50.3	63.4
50	2.00	19.7	20.3	21.5	22.9	25.9	31.4	37.7	44.3	66.2	80.0
80	1.25	24.8	25.3	27.0	29.1	34.3	42.8	52.8	62.3	84.0	97.4
90	1.11	27.6	28.0	30.4	32.8	39.7	50.5	63.0	74.5	93.9	106
96	1.04	30.6	31.0	34.3	37.2	46.5	60.3	76.1	90.2	105	116
98	1.02	32.5	33.0	37.0	40.3	51.5	67.7	86.0	102	112	122
99	1.01	34.2	34.8	39.6	43.2	56.5	75.2	96.0	114	118	127

Table C-2.32. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01468500
Schuylkill River at Landingville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	18.5	19.9	20.7	22.3	26.2	30.7	35.1	41.5	87.9	126
2	50.00	20.5	21.9	22.9	24.7	29.0	34.2	39.7	47.4	97.1	136
5	20.00	23.9	25.5	26.8	28.9	34.0	40.5	48.0	57.8	112	152
10	10.00	27.5	29.1	30.8	33.3	39.2	47.2	56.8	68.9	128	167
20	5.00	32.6	34.3	36.6	39.6	46.7	57.1	69.8	85.1	148	188
50	2.00	45.3	47.4	51.2	55.6	66.2	83.3	104	127	196	235
80	1.25	63.2	66.0	72.2	79.2	95.3	124	155	189	255	294
90	1.11	75.4	78.7	86.8	95.6	116	153	192	232	291	330
96	1.04	91.2	95.2	106	117	144	194	241	289	334	372
98	1.02	103	108	120	134	165	227	280	332	364	403
99	1.01	115	121	136	152	188	261	320	376	393	432

Table C-2.33. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01469500
Little Schuylkill River at Yamaqua, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days											
		1	3	7	14	30	60	90	120	183	365		
1	100.00	2.51	2.70	3.01	3.39	4.11	4.55	5.29	7.01	23.4	34.6		
2	50.00	2.88	3.09	3.42	3.83	4.65	5.32	6.35	8.42	26.2	38.2		
5	20.00	3.53	3.78	4.18	4.63	5.65	6.74	8.35	11.1	31.1	44.3		
10	10.00	4.25	4.53	5.00	5.50	6.75	8.36	10.6	14.1	36.1	50.5		
20	5.00	5.32	5.66	6.22	6.83	8.45	10.9	14.3	18.9	43.2	58.9		
50	2.00	8.23	8.69	9.56	10.5	13.3	18.2	24.9	32.8	60.5	78.4		
80	1.25	12.8	13.4	14.9	16.6	21.7	31.1	43.5	56.8	84.2	103		
90	1.11	16.2	16.9	18.8	21.3	28.4	41.3	58.2	75.5	99.7	119		
96	1.04	20.9	21.7	24.3	28.1	38.2	56.3	79.4	102	119	137		
98	1.02	24.6	25.5	28.7	33.6	46.6	69.0	96.9	124	134	150		
99	1.01	28.6	29.6	33.4	39.7	55.9	82.9	116	148	154*	163		

*Recalculated

Table C-2.34. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470000
Little Schuylkill River at Dreherstown, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	19.5	20.6	22.0	24.1	28.6	30.7	33.3	39.1	82.5	118
2	50.00	21.4	22.6	24.1	26.3	31.0	34.0	37.7	44.7	91.4	127
5	20.00	24.8	26.0	27.8	30.1	35.3	39.9	45.4	54.5	106	142
10	10.00	28.3	29.6	31.6	34.1	39.8	46.2	53.7	64.9	121	157
20	5.00	33.2	34.6	37.0	39.7	46.5	55.4	65.9	80.2	140	177
50	2.00	45.4	47.1	50.5	54.3	64.0	79.8	98.2	120	184	220
80	1.25	62.5	64.8	69.6	75.7	91.1	118	147	178	236	272
90	1.11	74.1	76.8	82.8	90.9	111	145	183	218	267	303
96	1.04	89.0	92.3	99.8	111	139	183	230	271	303	339
98	1.02	100	104	133	127	161	214	268	311	327	364
99	1.01	112	116	126	144	185	247	307	353	370*	388

*Recalculated

Table C-2.35. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470500
Schuylkill River at Berne, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	36.2	44.3	48.5	52.2	63.0	74.1	79.9	96.6	219	321
2	50.00	41.9	49.8	54.5	58.6	70.3	82.7	91.4	111	244	350
5	20.00	51.7	59.1	64.6	69.5	82.8	97.7	112	136	285	398
10	10.00	61.8	68.7	75.0	80.8	95.7	114	134	163	327	445
20	5.00	76.0	82.1	89.4	96.7	114	137	167	204	384	508
50	2.00	110	114	124	135	159	199	254	314	517	650
80	1.25	153	156	169	187	222	295	389	483	686	825
90	1.11	179	183	197	220	264	365	486	606	791	932
96	1.04	210	216	232	262	317	461	617	772	915	1060
98	1.02	231	240	257	293	357	537	720	904	1000	1150
99	1.01	251	264	281	323	397	618	828	1040	1090	1230

Table C-2.36. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470756
Maiden Creek at Virginville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days											
		1	3	7	14	30	60	90	120	183	365		
1	100.00	7.40	8.32	9.83	10.1	11.8	13.7	15.8	20.9	46.6	77.3		
2	50.00	8.58	9.55	11.0	11.4	13.3	15.8	18.5	24.3	54.5	87.9		
5	20.00	10.6	11.7	13.1	13.8	16.0	19.6	23.4	30.6	68.4	106		
10	10.00	12.7	13.8	15.3	16.2	18.8	23.7	29.0	37.7	82.8	124		
20	5.00	15.6	16.8	18.3	19.7	23.0	29.8	37.5	48.6	103	148		
50	2.00	22.4	23.6	25.7	28.2	34.2	46.5	61.5	79.8	152	204		
80	1.25	30.7	32.0	35.7	40.1	51.5	72.8	102	132	213	270		
90	1.11	35.7	37.0	42.2	47.9	64.1	92.2	132	173	250	310		
96	1.04	41.4	42.7	50.3	57.7	81.3	119	175	232	292	354		
98	1.02	45.2	46.6	56.2	65.0	95.0	140	211	280	321	385		
99	1.01	48.8	50.2	62.1	72.2	110	162	249	333	349	413		

Table C-2.37. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470960
Tulpehocken Creek at Blue Marsh Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	23.4	25.4	27.9	28.3	30.8	34.3	39.4	48.3	80.5	115
2	50.00	25.6	27.7	30.2	31.1	33.7	38.1	44.1	53.7	90.0	127
5	20.00	29.2	31.6	34.2	35.7	38.8	44.6	52.4	63.1	106	146
10	10.00	32.9	35.5	38.1	40.3	44.0	51.5	61.2	73.1	122	165
20	5.00	37.9	40.7	43.6	46.6	51.4	61.3	74.0	87.7	144	189
50	2.00	49.7	52.7	56.6	61.3	69.8	86.4	107	126	194	242
80	1.25	64.9	67.8	73.8	80.3	95.7	123	155	184	256	303
90	1.11	74.6	77.2	84.9	92.3	113	148	189	227	294	337
96	1.04	86.5	88.4	98.8	107	136	182	234	284	338	375
98	1.02	95.1	96.4	109	117	154	208	269	329	369	401
99	1.01	104	108*	119	128	172	234	305	377	398	424

*Recalculated

Table C-2.38. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01471000
Tulpehocken Creek at Reading, PA.

Probability (Percent)	Recurrence Interval (Years)	1	3	7	14	30	60	90	120	183	365
1	100.00	28.2	30.6	33.6	34.1	37.1	41.3	47.4	58.3	97.0	139
2	50.00	30.9	33.4	36.4	37.5	40.7	45.8	53.2	64.8	108	153
5	20.00	35.3	38.1	41.2	43.0	46.7	53.7	63.2	76.1	128	176
10	10.00	39.7	42.8	46.0	48.5	53.0	62.0	73.8	88.1	147	199
20	5.00	45.7	49.1	52.6	56.1	61.9	73.9	89.1	106	173	228
50	2.00	59.9	63.6	68.2	73.9	84.0	104	129	152	234	292
80	1.25	78.3	81.8	89.0	96.8	115	148	187	222	309	365
90	1.11	90.1	93.0	102	111	137	179	228	273	354	406
96	1.04	104	107	119	129	164	219	282	342	407	452
98	1.02	115	116	132	142	186	250	324	396	444	483
99	1.01	125	126	144	154	207	282	368	454	480	511

Table C-2.39. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01471500
Schuylkill River at Reading, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	78.0	87.6	100	105	120	139	156	201	409	618
2	50.00	89.8	100	112	118	135	158	180	231	469	694
5	20.00	110	120	133	141	160	191	223	284	570	920
10	10.00	130	141	154	164	187	226	270	341	573	943
20	5.00	159	169	184	197	225	278	340	427	815	1110
50	2.00	223	233	251	273	321	414	529	662	1140	1470
80	1.25	300	310	337	370	461	620	826	1030	1530	1870
90	1.11	344	354	389	430	556	768	1040	1310	1770	2100
96	1.04	395	404	452	502	681	965	1340	1690	2030	2350
98	1.02	429	438	495	552	777	1120	1570	1990	2210	2520
99	1.01	460	470	537	601	874	1280	1810	2310	2380	2670

Table C-2.40. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01472000
Schuylkill River at Pottstown, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	139	154	174	178	202	230	254	314	586	838
2	50.00	157	172	192	198	224	257	288	356	661	931
5	20.00	188	203	222	232	260	304	348	428	786	1080
10	10.00	218	233	252	265	298	353	413	505	912	1230
20	5.00	258	273	293	311	351	424	507	619	1080	1420
50	2.00	348	363	388	418	484	606	752	915	1480	1840
80	1.25	455	467	507	553	570	871	1120	1360	1940	2310
90	1.11	516	528	581	636	795	1060	1380	1680	2210	2580
96	1.04	584	596	669	736	956	1300	1720	2110	2520	2870
98	1.02	630	641	731	806	1080	1490	1990	2440	2740	3060
99	1.01	672	683	792	874	1200	1680	2270	2790	2940	3230

Table C-2.41. Base Run Low Flow Frequency Table
(Flow in cfs)

USGS Station 01473000
Perkiomen Creek at Graterford, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	5.51	8.78	11.3	13.0	16.2	24.1	32.9	35.8	72.8	165
2	50.00	6.95	10.4	12.9	14.6	18.3	26.6	35.9	40.8	86.3	182
5	20.00	9.64	13.2	15.7	17.6	22.0	31.3	41.5	49.9	110	211
10	10.00	12.6	16.2	18.6	20.8	26.1	36.5	48.0	60.3	135	240
20	5.00	17.1	20.5	22.9	25.5	32.0	44.5	58.4	76.5	171	279
50	2.00	28.3	31.0	34.0	37.9	47.7	67.6	90.5	124	259	367
80	1.25	42.7	44.7	50.1	57.1	71.7	109	153	210	374	475
90	1.11	51.3	53.1	61.2	71.0	89.0	143	210	281	445	541
96	1.04	60.8	63.0	75.8	89.8	113	194	303	389	528	617
98	1.02	67.0	69.8	86.9	105	313	239	390	483	586	670
99	1.01	72.6	76.2	98.2	120	150	291	495	590	640	721

Table C-2.48. Base Flow Low Flow Frequency Table
(Flow in cfs)

USGS Station 01474500
Schuylkill River at Philadelphia, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	210	226	243	245	263	304	350	449	845	1250
2	50.00	230	246	265	271	294	345	402	508	955	1390
5	20.00	263	281	303	314	347	416	493	614	1140	1620
10	10.00	297	316	342	359	402	492	591	729	1330	1850
20	5.00	344	365	396	421	480	602	734	898	1600	2160
50	2.00	456	481	527	574	677	884	1110	1350	2210	2820
80	1.25	606	634	704	784	954	1290	1670	2050	2990	3580
90	1.11	704	734	820	923	1140	1580	2060	2560	3470	4000
96	1.04	826	858	968	1100	1390	1950	2570	3250	4040	4480
98	1.02	917	949	1080	1230	1570	2230	2970	3800	4440	4790
99	1.01	1010	1040	1190	1360	1760	2520	3380	4380	4820	5070

Table C-2.43. Base Run Low Flow Frequency Table
(Flow in cfs)

Delaware River Below Schuylkill Confluence

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1820	1940	2150	2220	2340	2400	2500	2910	5490	7140
2	50.00	1930	2050	2240	2320	2460	2510	2740	3200	6080	7870
5	20.00	2110	2230	2400	2490	2660	2830	3160	3720	7060	9070
10	10.00	2290	2410	2570	2660	2880	3180	3620	4280	8040	10200
20	5.00	2530	2650	2800	2930	3210	3690	4290	5100	9370	11800
50	2.00	3080	3190	3380	3610	4090	5050	6100	7310	12400	15100
80	1.25	3760	3870	4230	4650	5490	7210	8990	10800	16300	18800
90	1.11	4180	4300	4820	5400	6540	8820	11200	13400	18600	20900
96	1.04	4690	4820	5590	6440	8020	11100	14200	17100	21400	23300
98	1.02	5060	5190	6200	7270	9240	12900	16700	20100	23300	24900
99	1.01	5420	5560	6820	8150	10600	14900	19400	23400	25200	26300

Table 1-2.4A. Recurrence Interval Low Flow Frequency Table
(Flow in cfs)

Delaware River at Delaware Memorial Bridge

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		3	7	14	30	60	90	120	183	365	
1	100.00	1900	2260	2300	2420	2460	2700	3190	5930	7780	
2	50.00	2030	2360	2420	2570	2670	2980	3520	6570	8570	
5	20.00	2240	2540	2630	2820	3050	3460	4090	7640	9860	
10	10.00	2450	2730	2840	3090	3440	3970	4710	8710	11100	
20	5.00	2730	3000	3150	3480	4030	4730	5620	10200	12800	
50	2.00	3350	3680	3950	4520	5570	6770	8070	13500	16300	
80	1.25	4140	4690	5160	6120	7980	9980	12000	17800	20400	
90	1.11	4620	5390	6030	7320	9760	12400	14900	20400	22800	
96	1.04	5200	6340	7200	8970	12200	15700	18900	23500	25400	
98	1.02	5610	7080	8140	10300	14300	18400	22300	25800	27100	
99	1.01	6010	7860	9130	11800	16400	21400	25800	27900	28700	

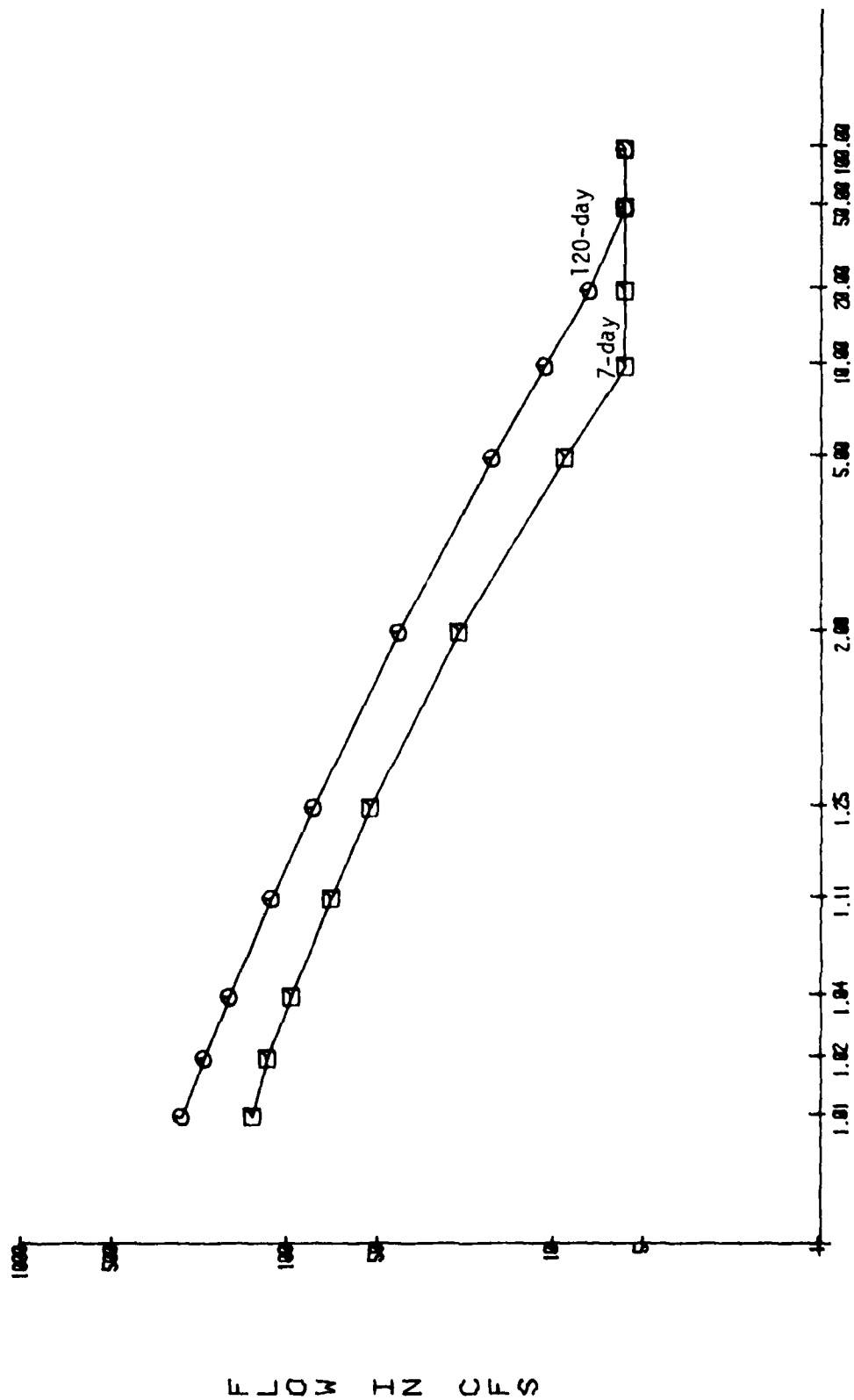


Figure C-45. Base Run Low Flow Frequency Curves for
01417000, East Branch Delaware River at Downsview, N.Y.

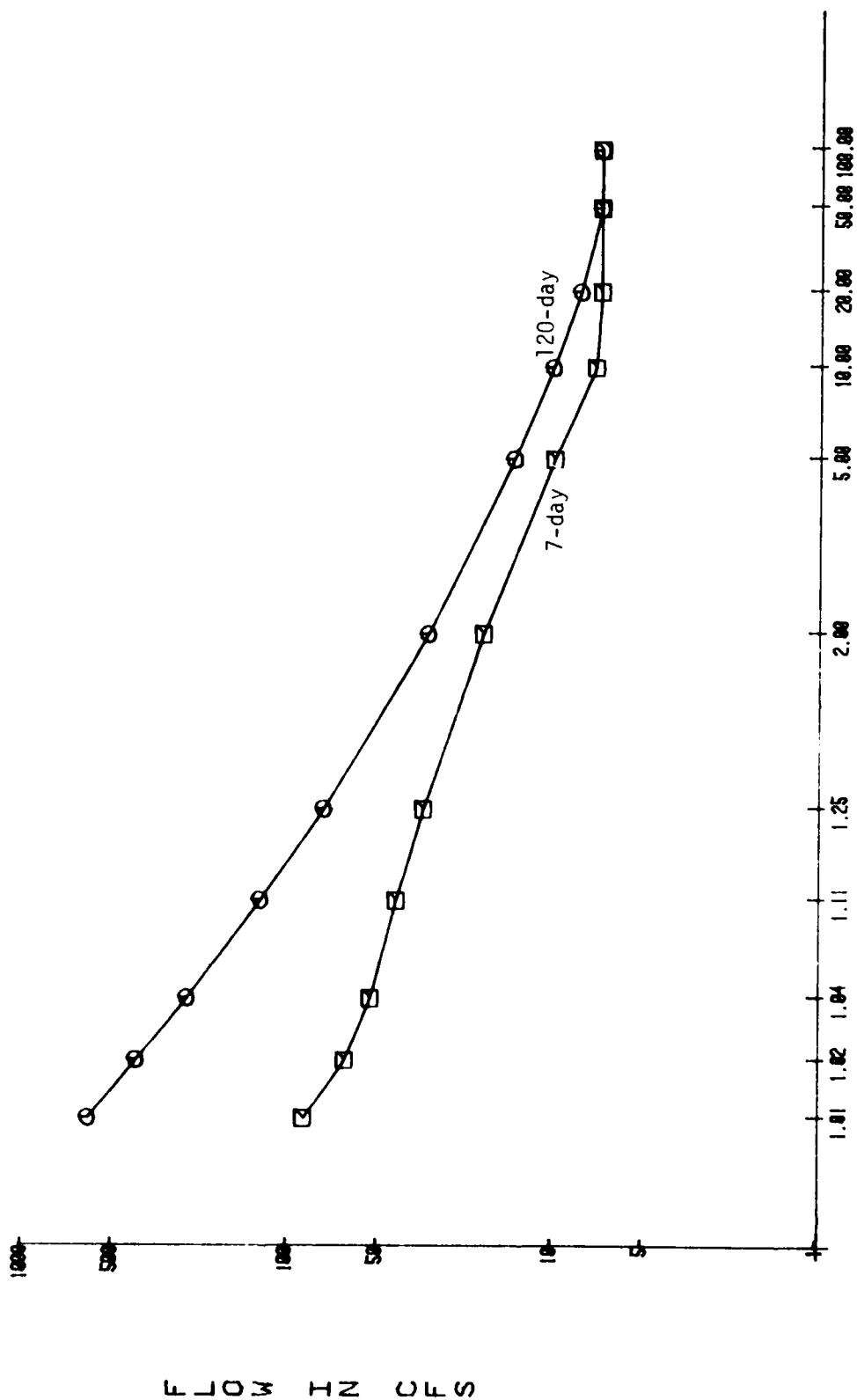
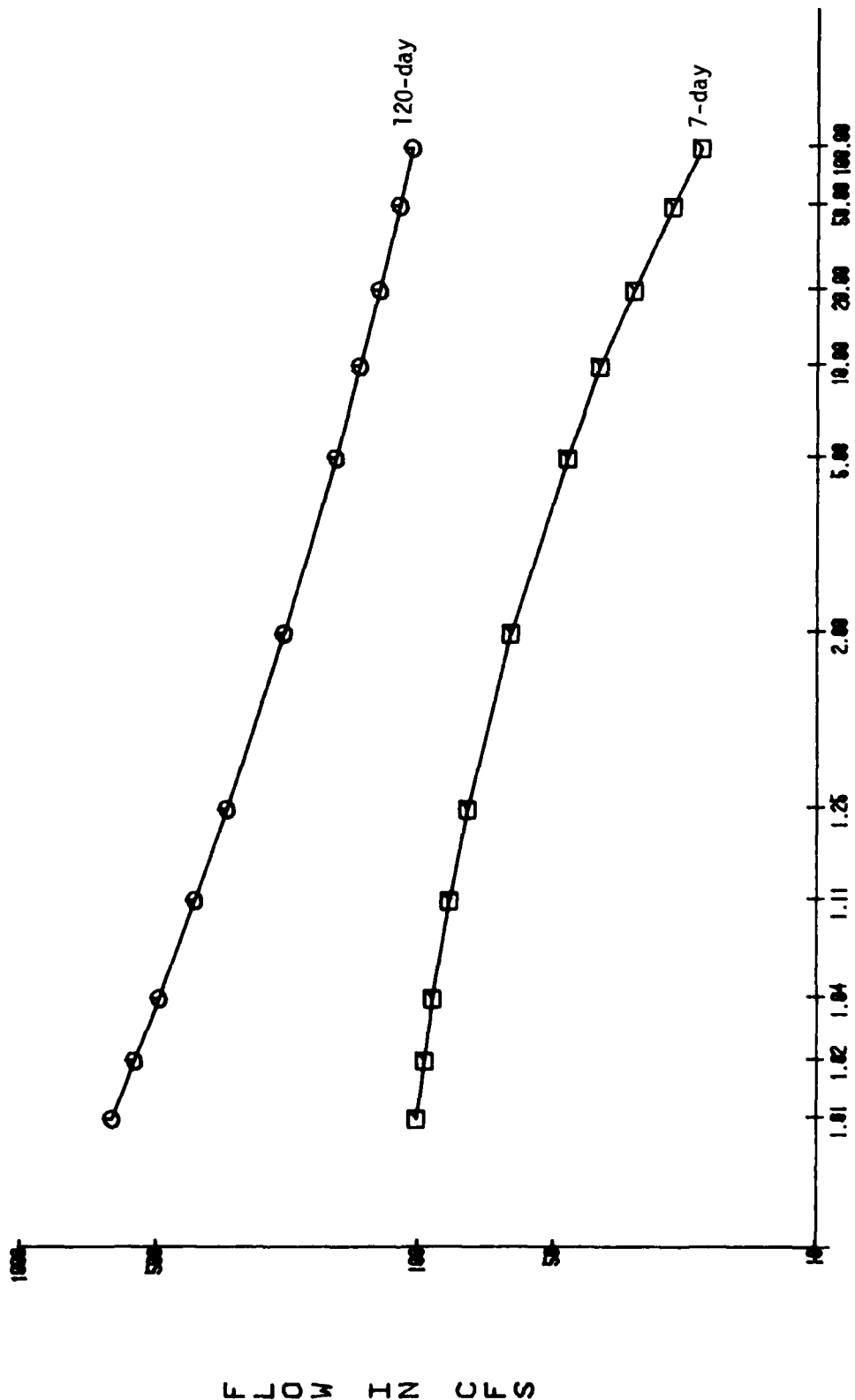
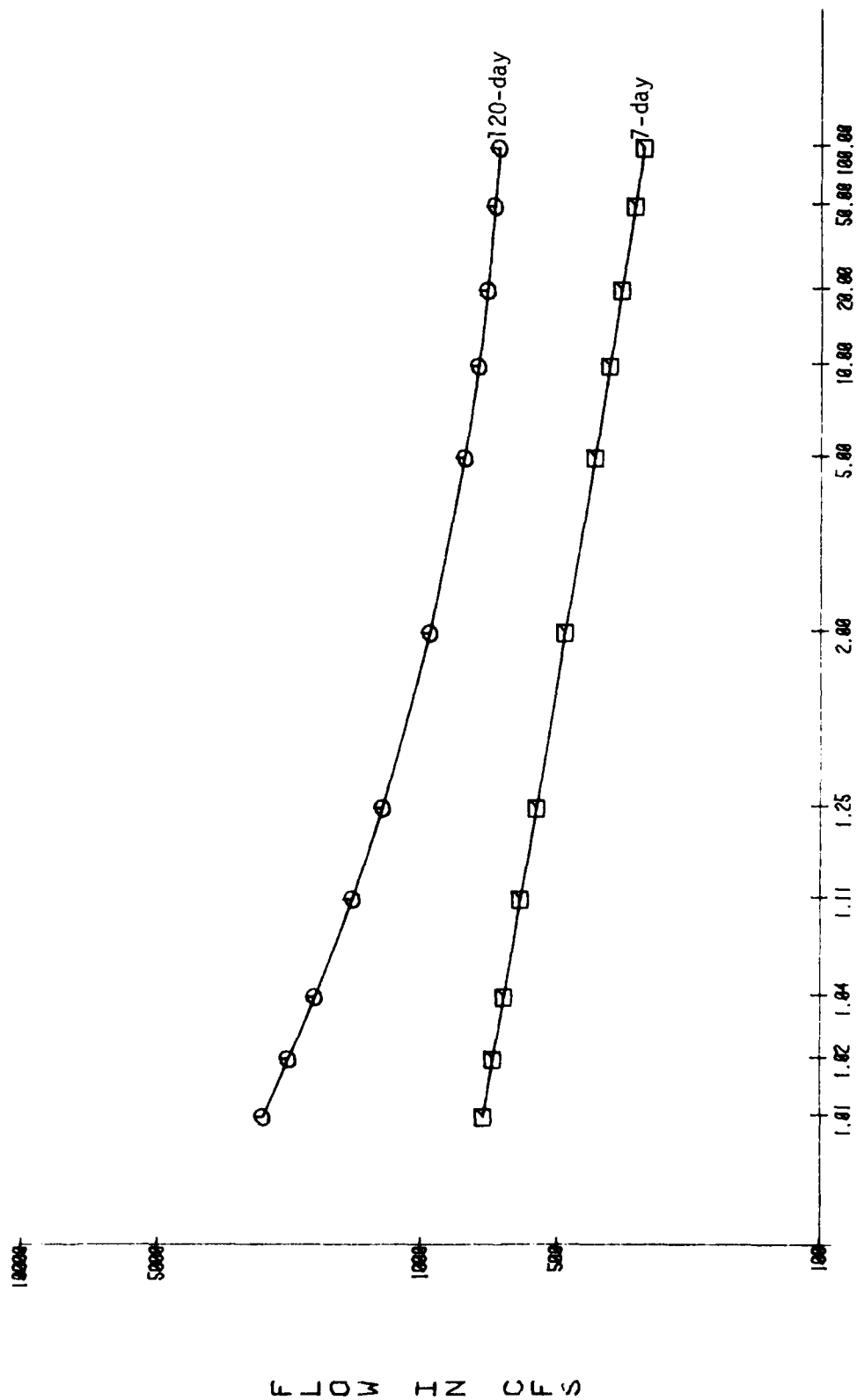


Figure C-46. Base Run Low Flow Frequency Curves for
01425000, West Branch Delaware River at Stilesville, N.Y.



RECURRENCE INTERVAL IN YEARS

Figure C-47. Base Run Low Flow Frequency Curves for
01426500, West Branch Delaware River at Hale Eddy, N.Y.



RECURRENCE INTERVAL IN YEARS

Figure C-48. Base Run Low Flow Frequency Curves for
01427405, Delaware River near Callicoon, N.Y.

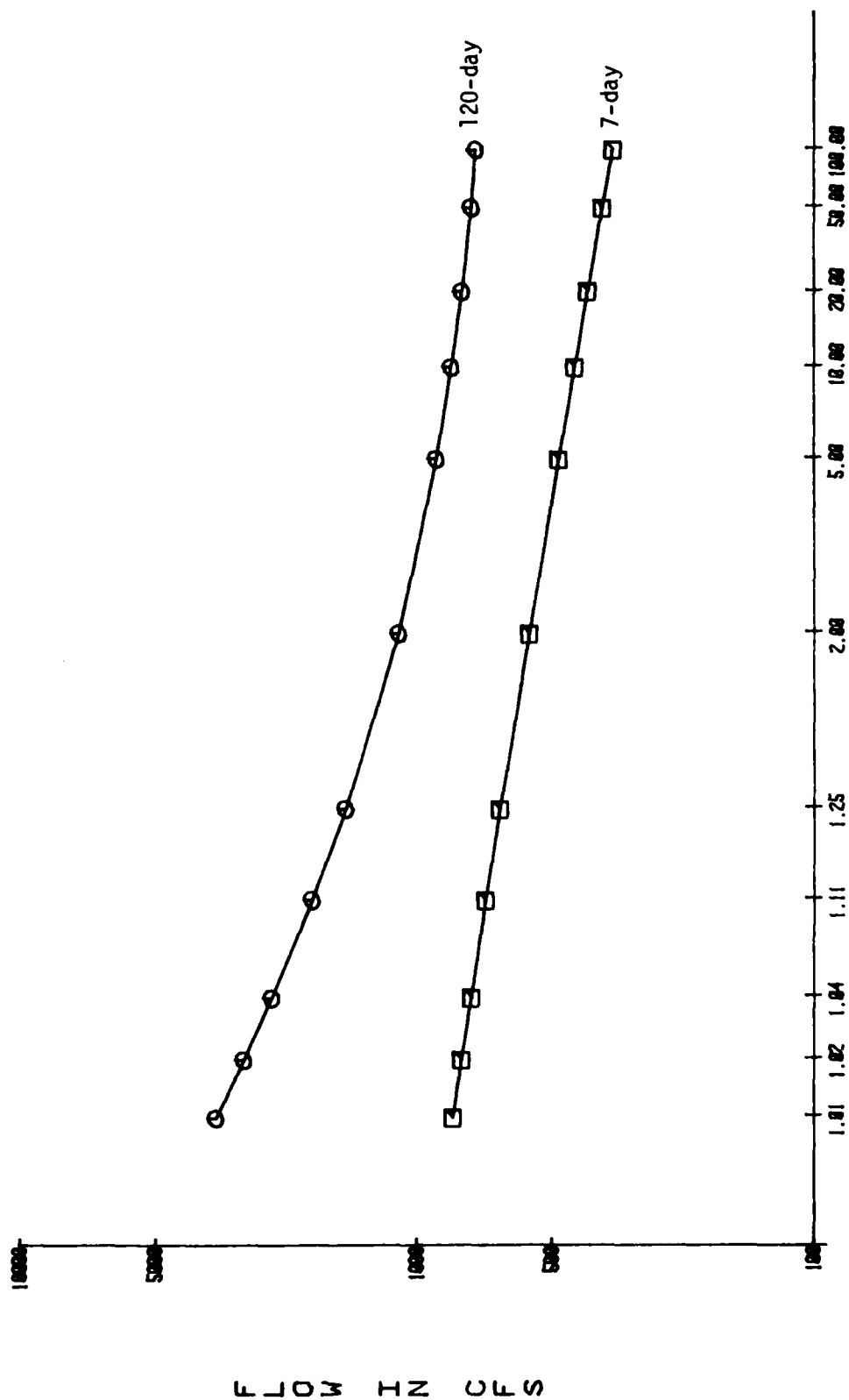


Figure C-49. Base Run Low Flow Frequency Curves for
01428500, Delaware River near Barryville, N.Y.

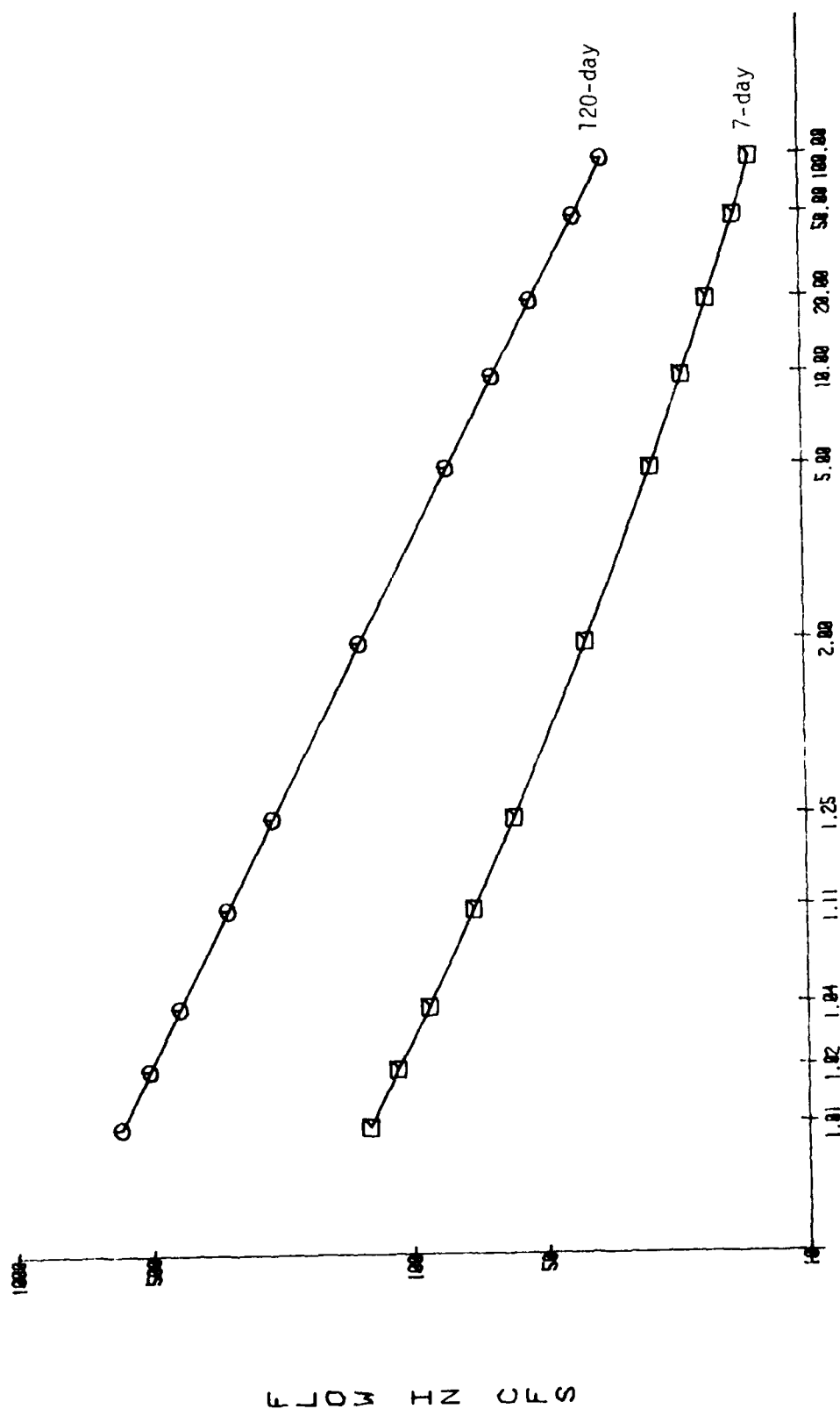
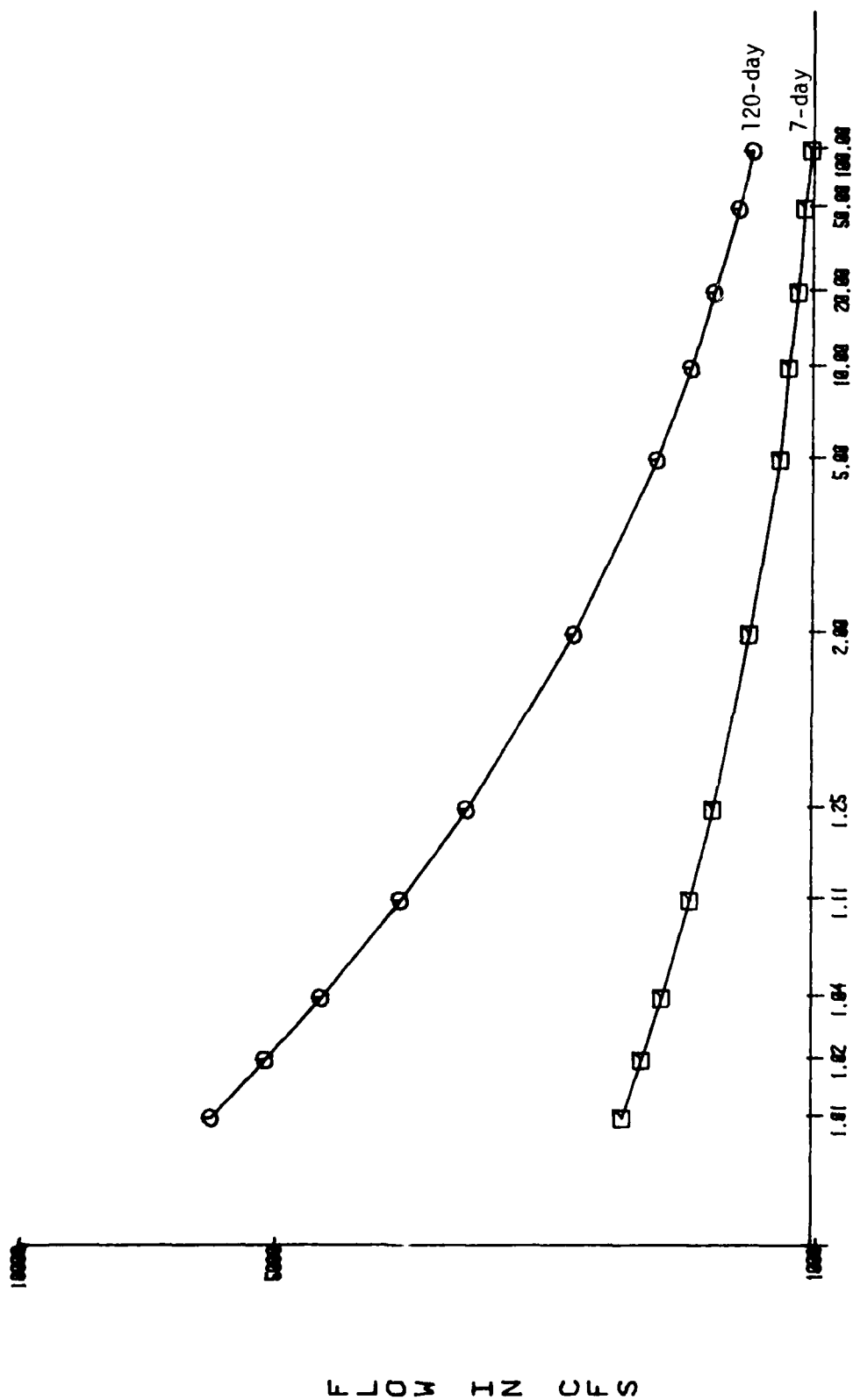


Figure C-50. Base Run Low Flow Frequency Curves for
01431500, Lackawaxen River at Hawley, PA.



RECURRENCE INTERVAL IN YEARS

Figure C-51. Base Run Low Flow Frequency Curves for
01434000, Delaware River at Port Jervis, N.Y.

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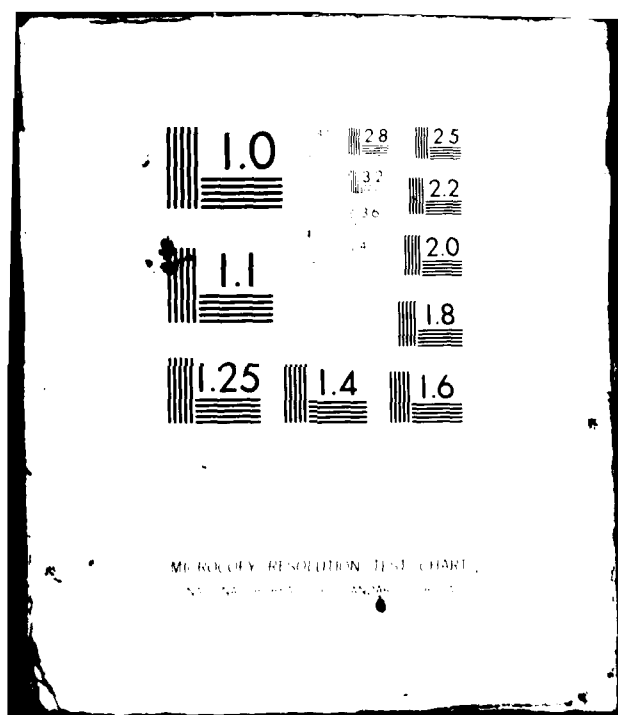
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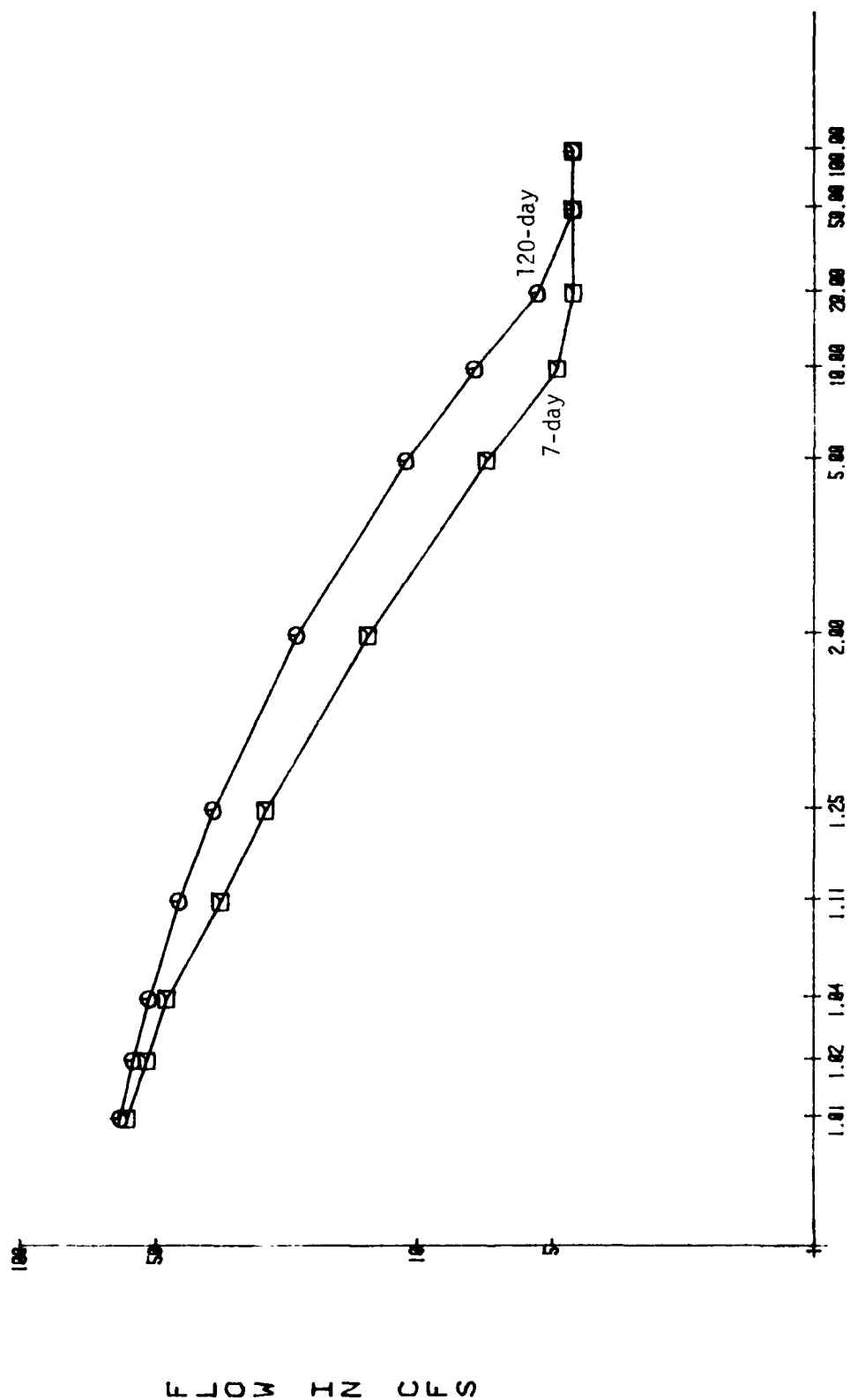
DACW61-78-C-0127

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Δ₁ = 0.173





RECURRENCE INTERVAL IN YEARS

Figure C-52. Base Run Low Flow Frequency Curves for
01436000, Neversink River at Neversink, N.Y.

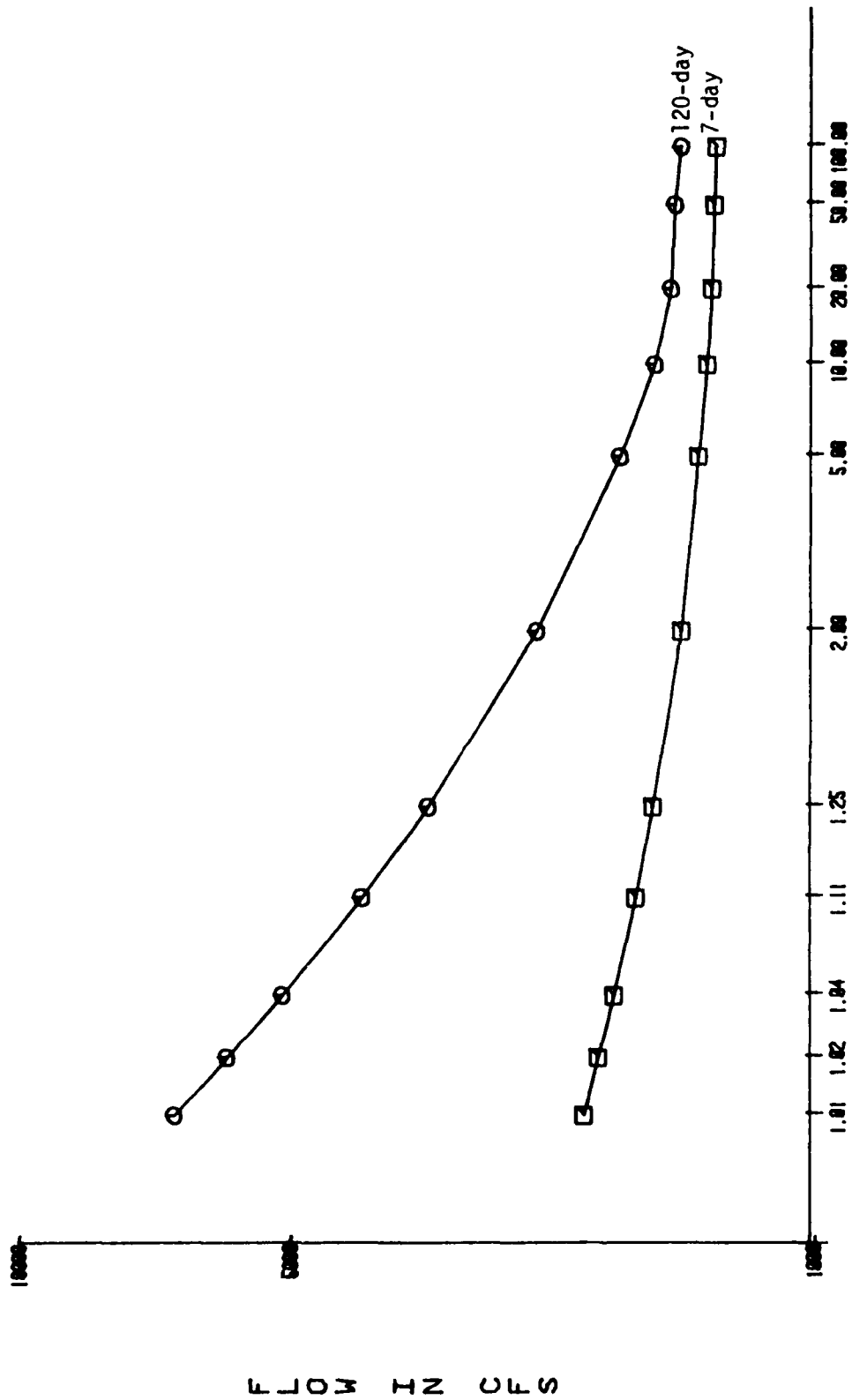


Figure C-53. Base Run Low Flow Frequency Curves for
01438500, Delaware River at Montague, N.J.

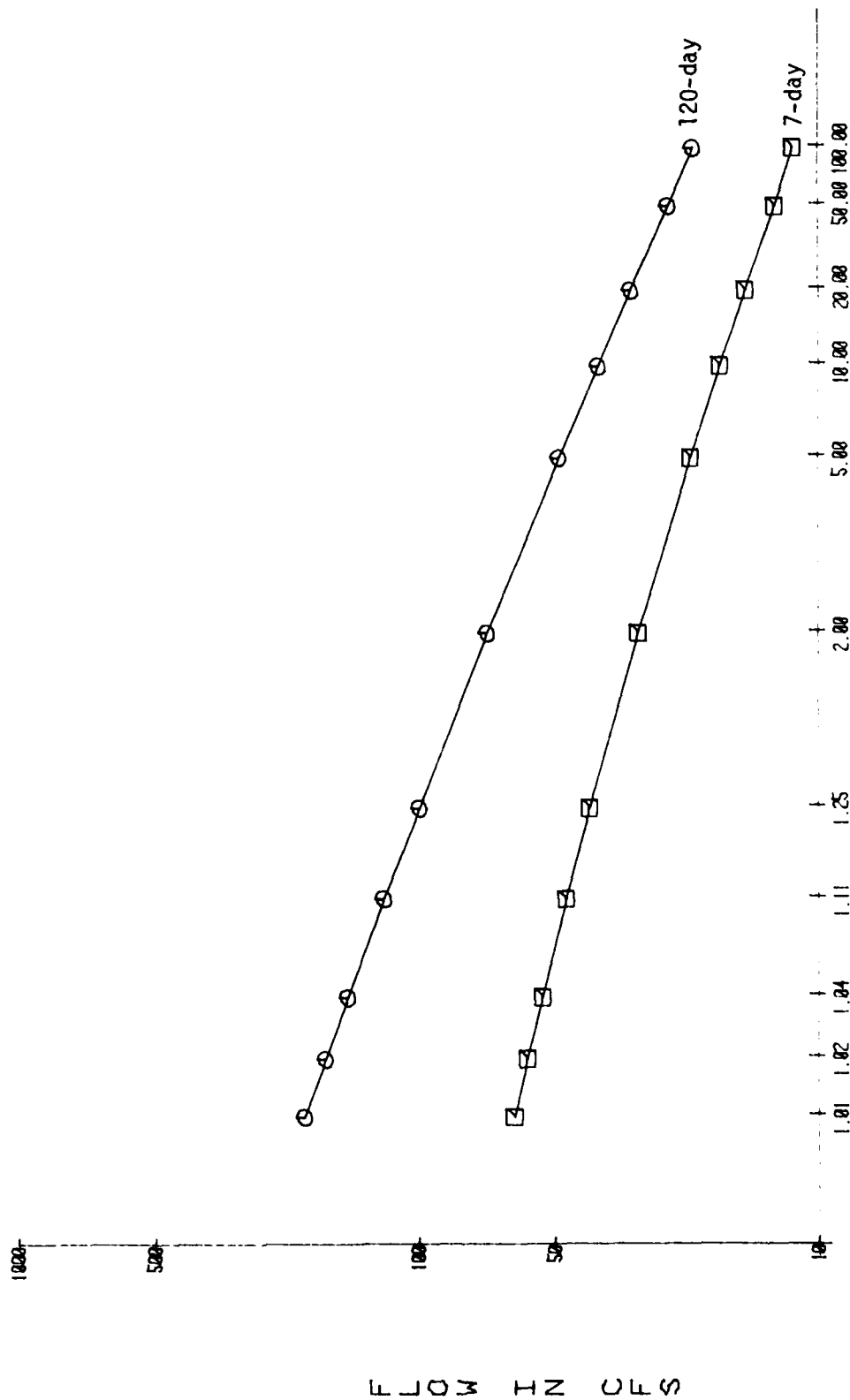


Figure C-54. Base Run Low Flow Frequency Curves for
01449800, Pohopoco Creek at Beltzville Damsite, PA.

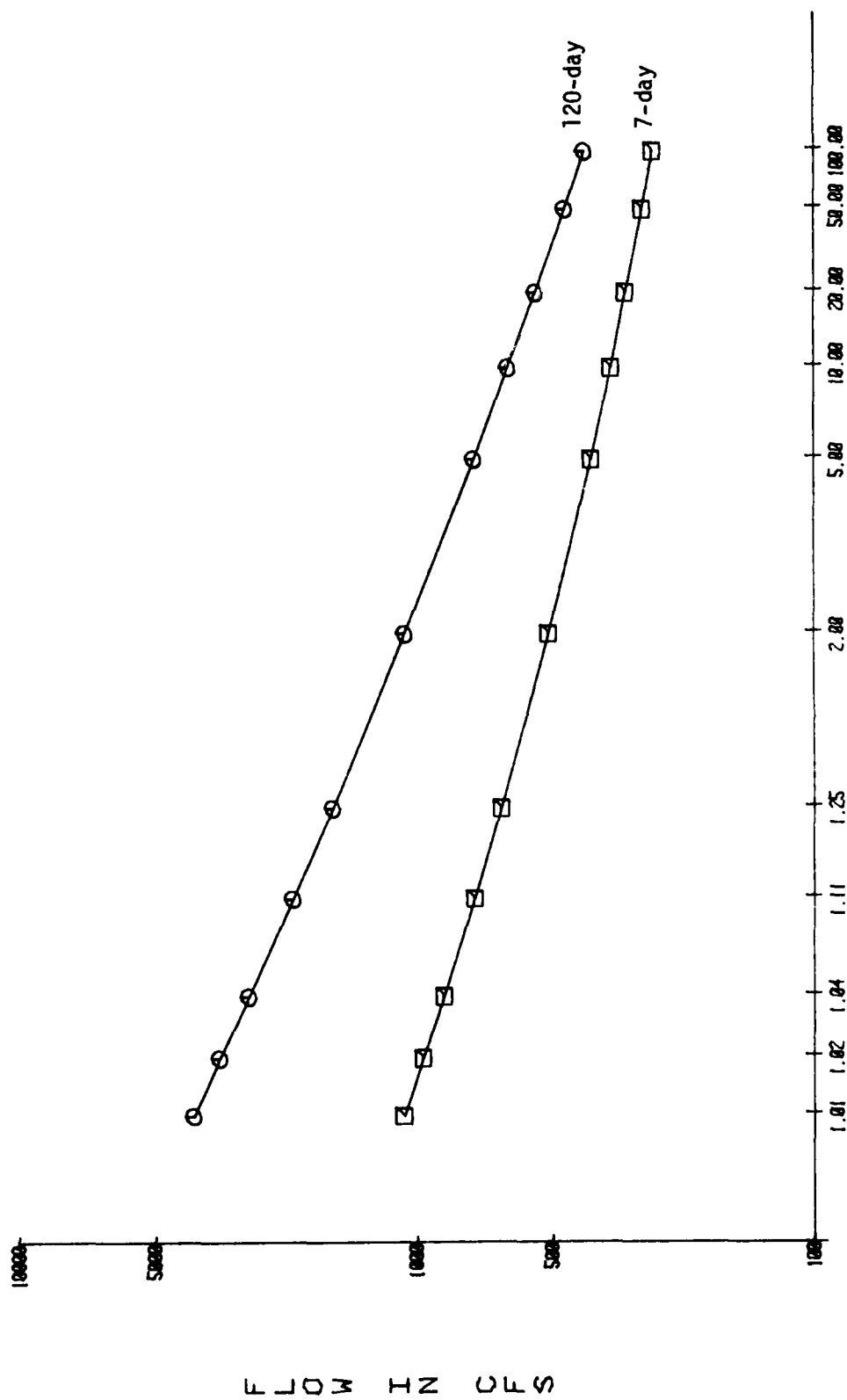
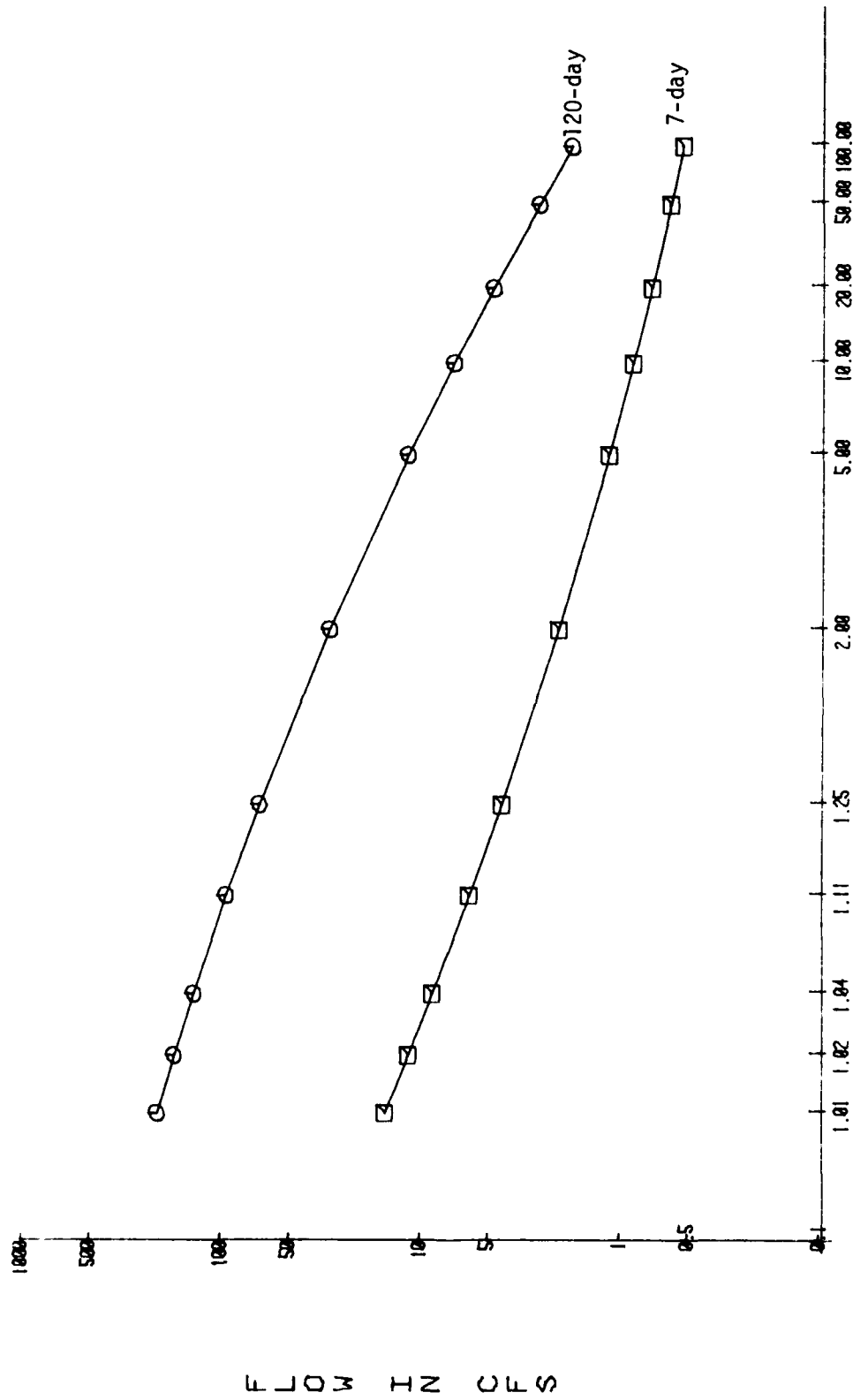
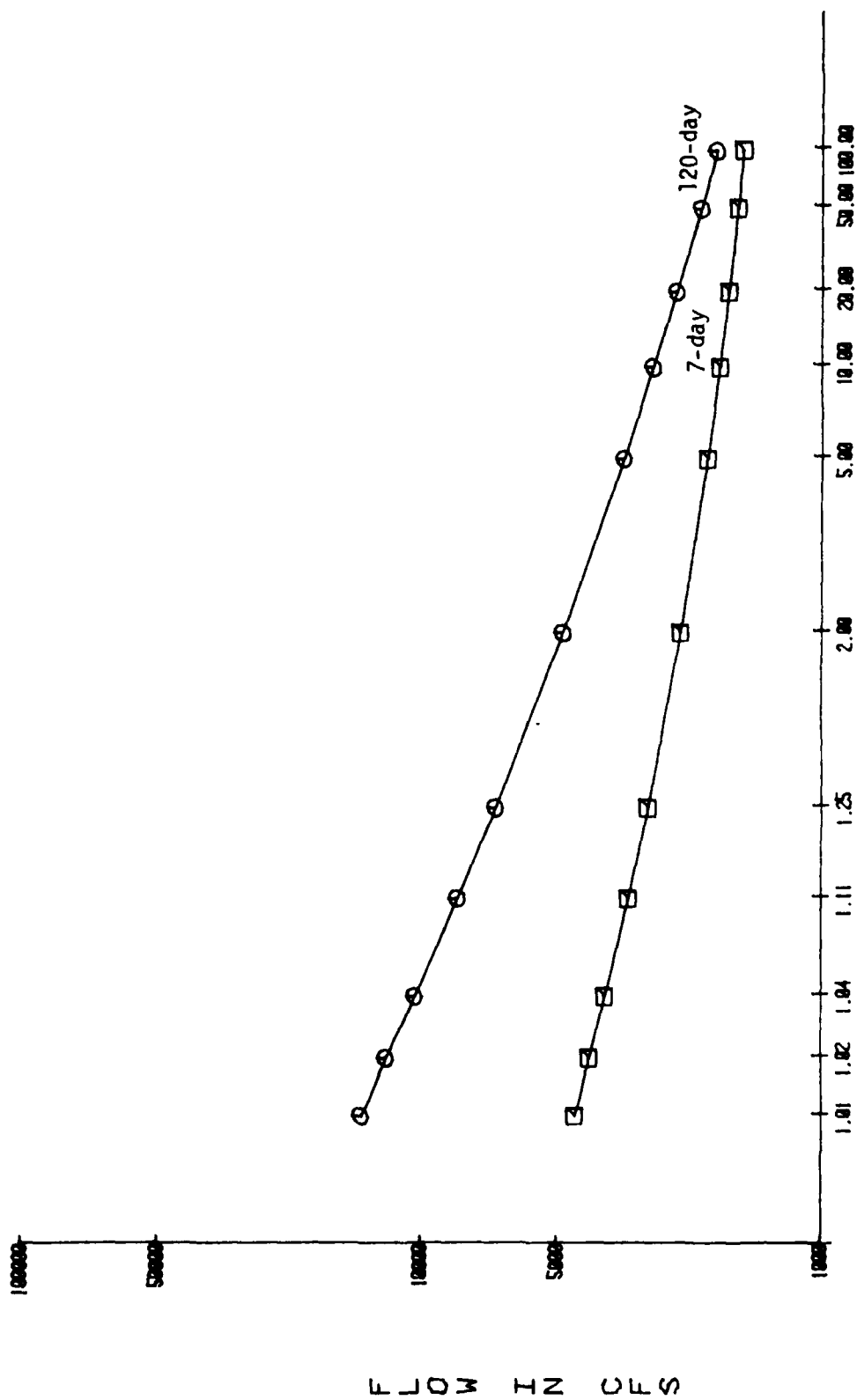


Figure C-55. Base Run Low Flow Frequency Curves for
01453000, Lehigh River at Bethlehem, PA.



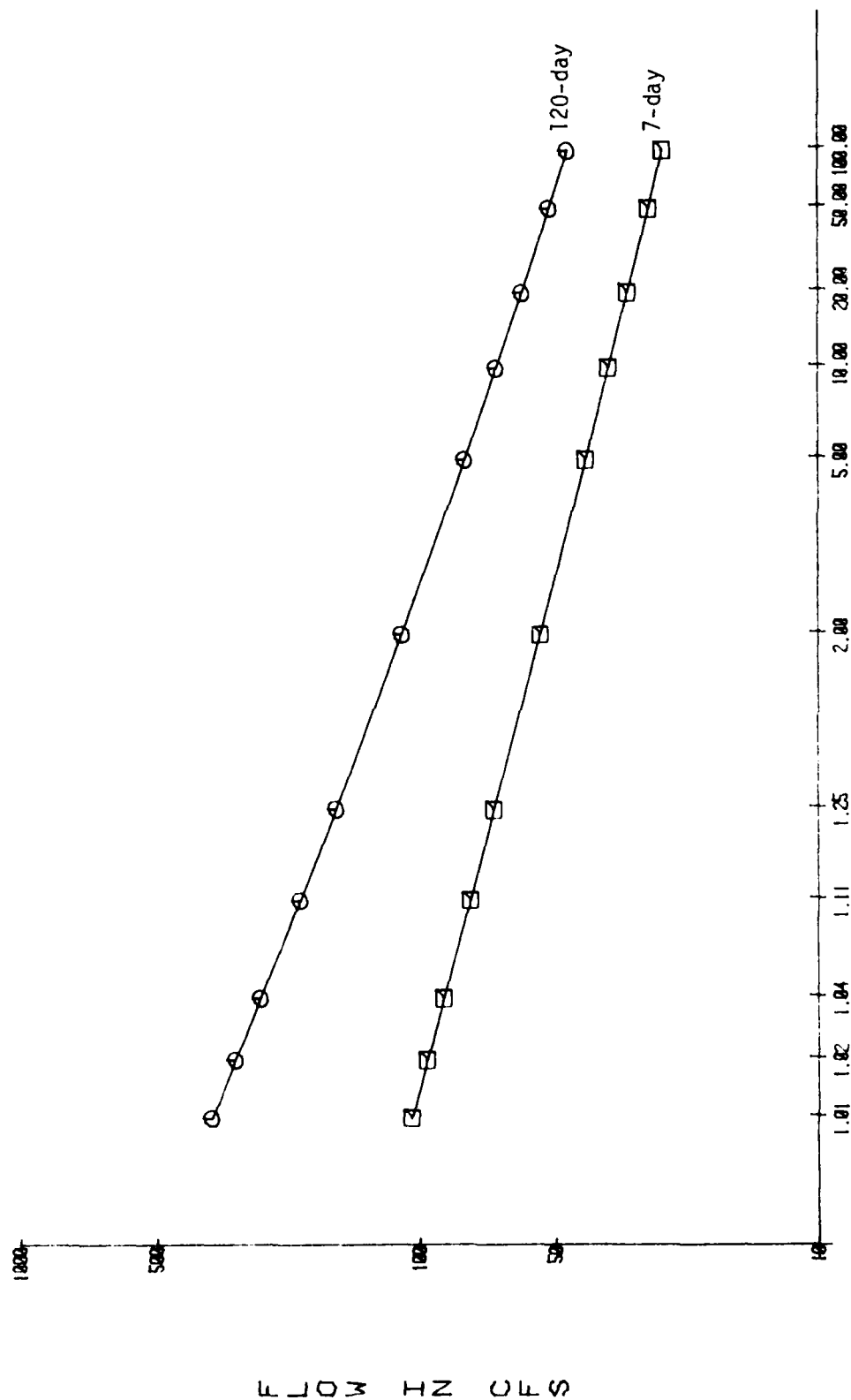
RECURRENCE INTERVAL IN YEARS

Figure C-56. Base Run Low Flow Frequency Curves for
01459500, Tohickon Creek at Pipersville, PA.



RECURRENCE INTERVAL IN YEARS

Figure C-57. Base Run Low Flow Frequency Curves for
01463500, Delaware River at Trenton, N.J.



RECURRENCE INTERVAL IN YEARS

Figure C-58. Base Run Low Flow Frequency Curves for 01470960, Tulpehocken Creek at Blue Marsh Damsite, PA.

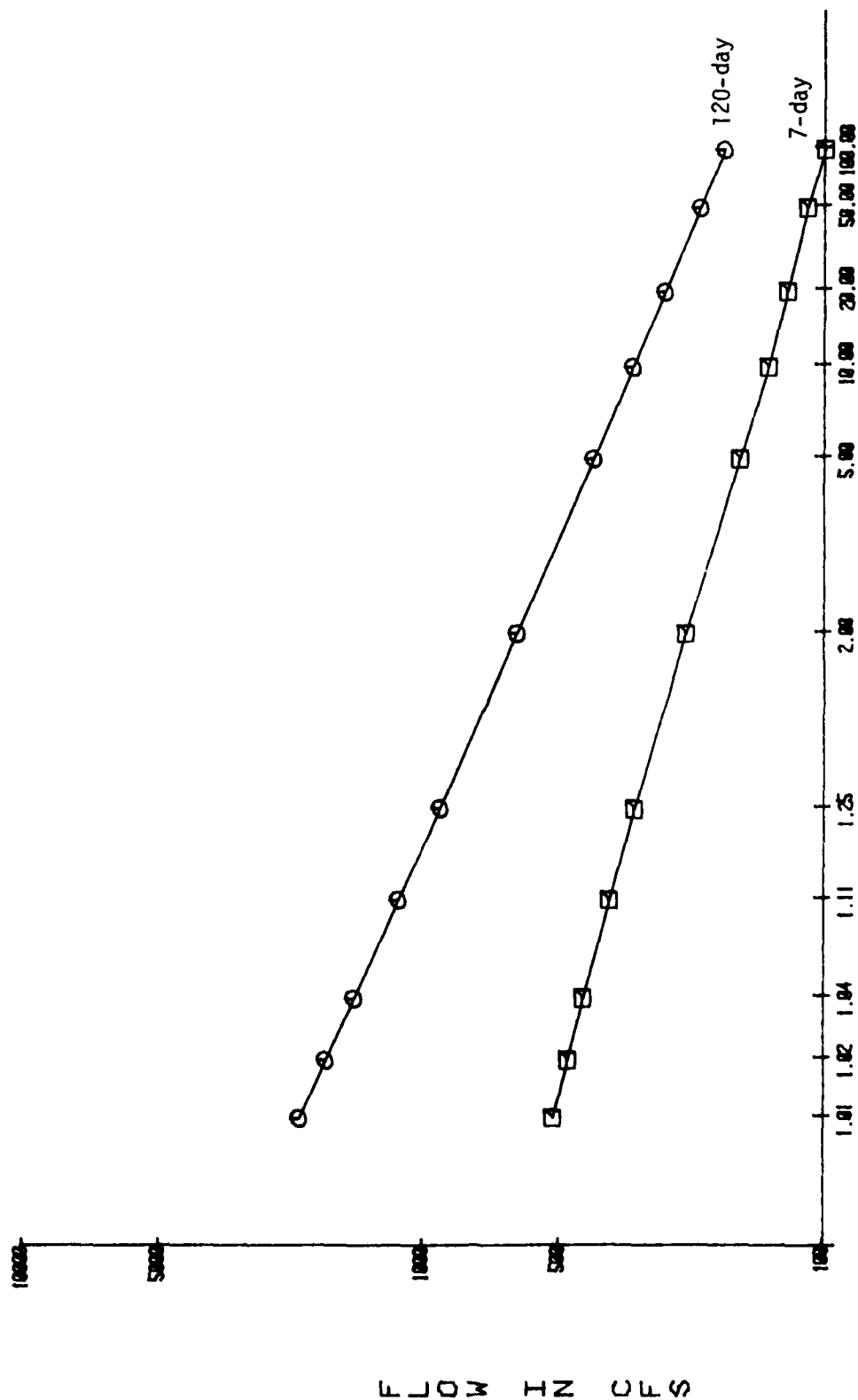


Figure C-59. Base Run Low Flow Frequency Curves for
01471500, Schuylkill River at Reading, PA.

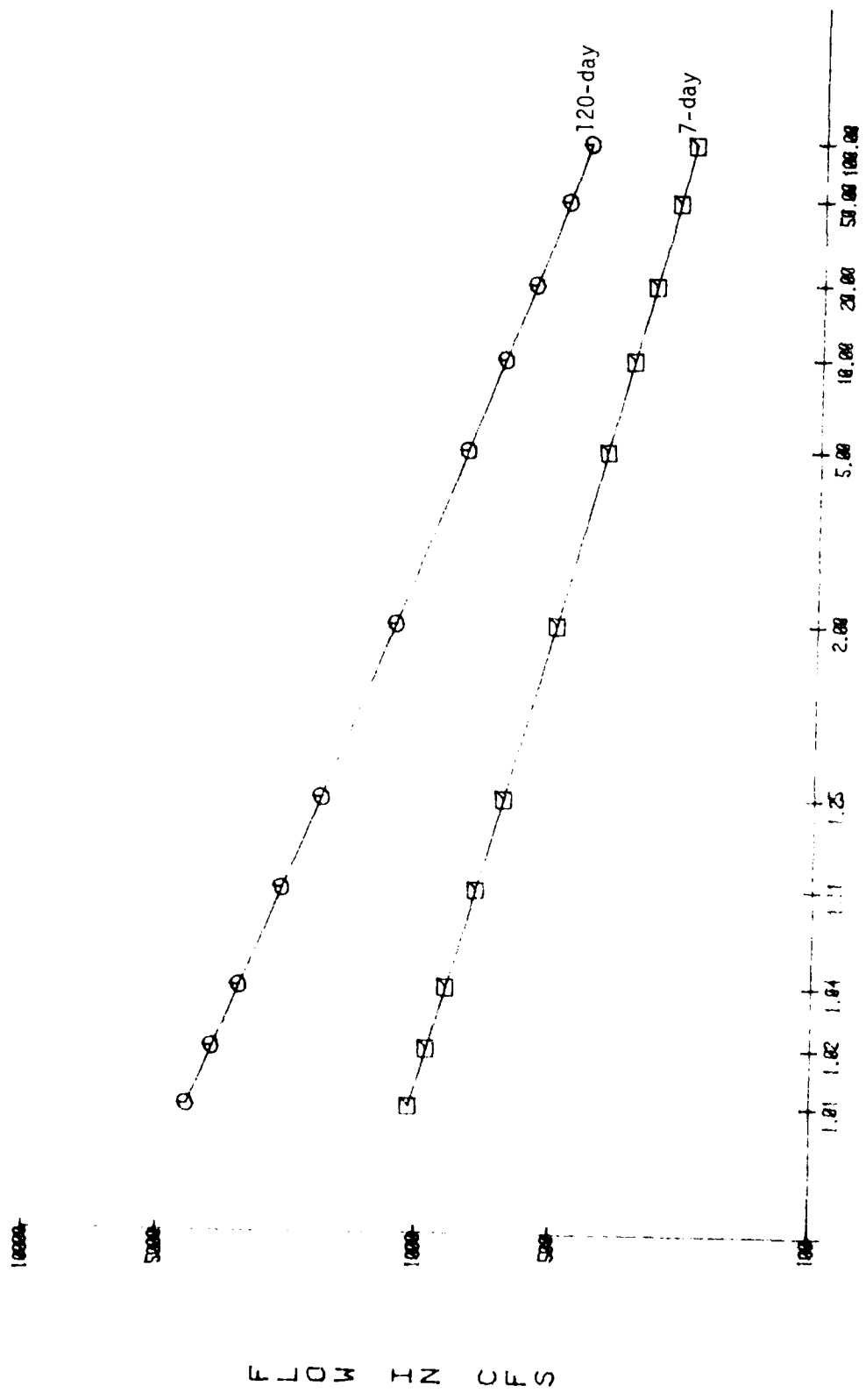
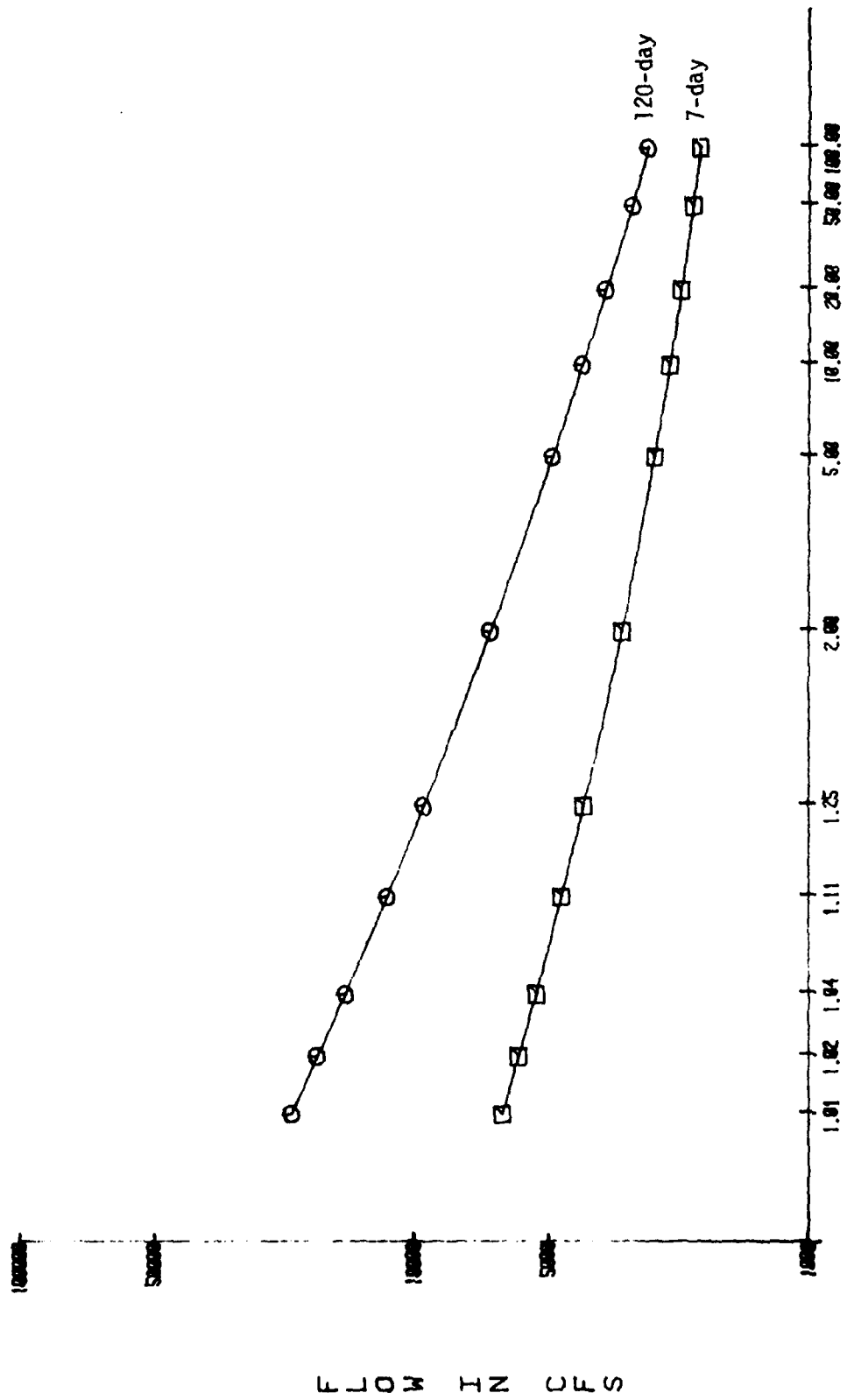


Figure 7-60. Base Run Low Flow Frequency Curves for
 0147450', Schuylkill River at Philadelphia, PA.



RECURRENCE INTERVAL IN YEARS

Figure C-61. Base Run Low Flow Frequency Curves for Delaware River Below Mouth of Schuylkill

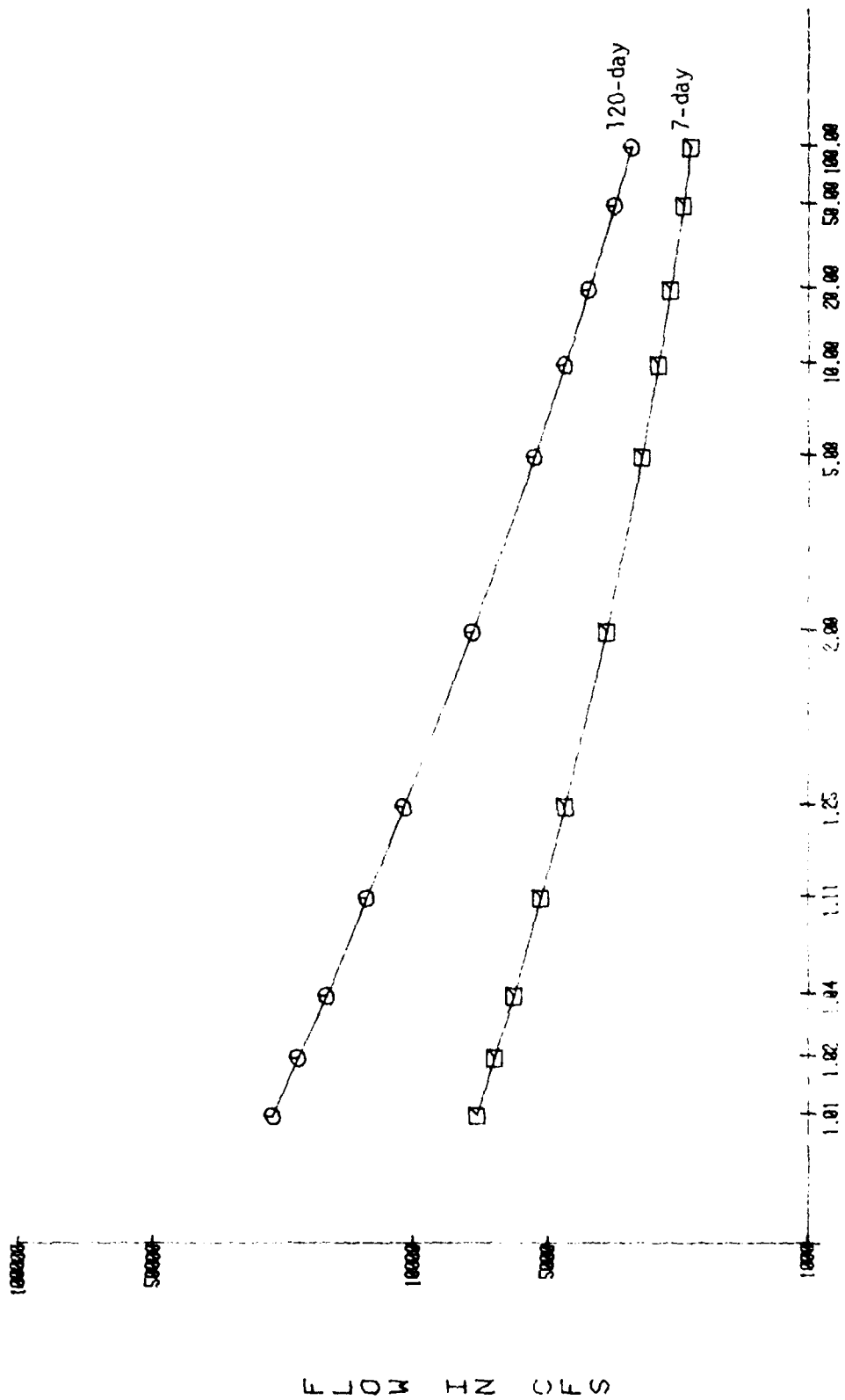


Figure C-62. Base Run Low Flow Frequency Curves for Delaware River at Delaware Memorial Bridge

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APPENDIX D

COMBINATION ONE DAILY FLOWS
DURATION AND FREQUENCY ANALYSIS

TABLE OF CONTENTS

Combination One Duration Table	Table D-1
Combination One Duration Curves	Figures D-1 to D-44
Combination One Low Flow Frequency Tables	Tables D-2.1 to D-2.44
Combination One Low Flow Frequency Curves	Figures D-45 to D-62

TABLE D-1
COMBINATION ONE LOW FLOW FREQUENCY TABLE
(Flow in cfs)

Model Node	Percent of Time Discharge was Equalled or Exceeded									
	1	10	25	50	70	75	90	95	99	
01417000 East Branch Delaware River at Downsville, N.Y.	2800	880	83	72	51	48	18	6.8	6.2	
01421000 East Branch Delaware River at Fishes Eddy, N.Y.	8000	2700	1300	660	440	390	250	190	120	
01425000 West Branch Delaware River at Stilesville, N.Y.	2900	710	360	44	36	35	21	9.1	8.2	
01426500 West Branch Delaware River at Hale Eddy, N.Y.	3900	1000	520	320	170	150	84	62	34	
01427405 Delaware River near Callicoon, N.Y.	16000	5000	2400	1200	900	840	630	530	370	
01428500 Delaware River near Barryville, N.Y.	20000	6200	3100	1500	1100	990	740	620	430	
01429000 Lackawaxen River at Prompton, PA.	660	220	120	60	32	27	15	11	7.0	
01429500 Dyberry Creek near Honesdale, PA.	780	230	98	53	27	22	9.9	7.2	3.7	
01430000 Lackawaxen River at Honesdale, PA.	1900	600	320	150	82	68	34	26	16	
01431500 Lackawaxen River at Hawley, PA.	3600	1100	560	260	130	110	55	42	25	
01434000 Delaware River at Port Jervis, N.Y.	27000	9600	5200	2700	1900	1800	1400	1300	1100	

TABLE D-1
COMBINATION ONE LOW FLOW FREQUENCY TABLE (CONT'D)
(Flow in cfs)

Model Node	1	10	25	50	70	75	90	95	99
01436000 Neversink River at Neversink, N.Y.	870	48	46	41	25	24	6.0	5.5	5.1
01437000 Neversink River at Oakland, N.Y.	1800	590	330	180	120	110	73	56	33
01438500 Delaware River at Montague, N.J.	31000	11000	6100	3300	2200	2000	1700	1600	1400
01440200 Delaware River below Tocks Island Damsite, PA.	32000	13000	7000	3800	2500	2200	1800	1700	1500
01446500 Delaware River at Belvidere, N.J.	39000	15000	8500	4600	2900	2700	2100	1900	1600
01447800 Lehigh River at White Haven, PA.	3200	1200	750	410	250	210	120	90	61
01449800 Pohopoco Creek at Beltzville Damsite, PA.	740	300	190	110	65	55	39	37	35
Aquashicola Creek at Aquashicola Damsite, PA.	730	260	150	85	54	47	29	20	15
01450500 Aquashicola Creek at Palmerton, PA.	840	300	180	99	62	55	33	25	17
01451000 Lehigh River at Walnutport, PA.	9700	3800	2300	1300	780	680	410	340	250
01451800 Jordan Creek near Schnecksville, PA.	580	170	88	41	21	18	7.9	4.7	2.0
01451200 Jordan Creek at Allentown, PA.	840	240	120	59	31	25	11	6.5	3.7

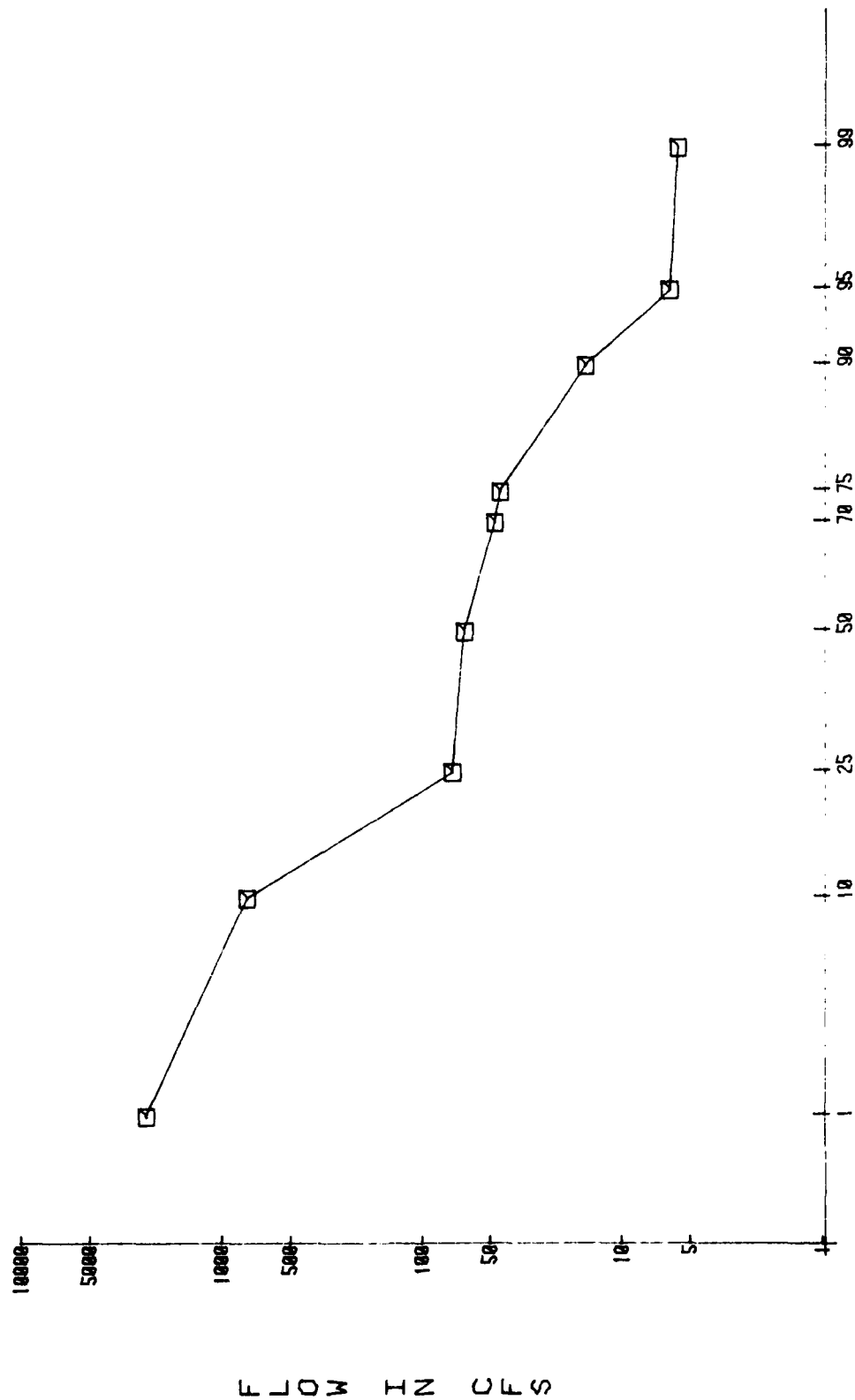
TABLE D-1
COMBINATION ONE LOW FLOW FREQUENCY TABLE (CONT'D)
(Flow in cfs)

Model Node	Percent of Time Discharge was Equalled or Exceeded									
	1	10	25	50	70	75	90	95	99	
01453000 Lehigh River at Bethlehem, PA.	12000	4900	3000	1700	1100	990	650	540	440	
01454700 Lehigh River at Glendon, PA.	12000	5100	3200	1900	1200	1100	710	610	480	
01456000 Musconetcong River near Hackettstown, N.J.	550	270	170	92	56	49	29	22	13	
01457500 Delaware River at Riegelsville, N.J.	51000	22000	13000	7100	4600	4100	3000	2700	2300	
01459500 Tohickon Creek at Pipersville, PA.	1900	320	110	38	15	12	4.1	2.4	1.1	
01463500 Delaware River at Trenton, N.J.	54000	23000	13000	7300	4600	4100	2900	2500	2100	
01467500 Schuylkill River at Pottsville, PA.	460	190	120	71	48	43	28	23	18	
01467950 West Branch Schuylkill River at Cressona, PA.	340	160	100	61	41	37	25	21	16	
01468500 Schuylkill River at Landingville, PA.	1200	480	310	180	120	110	63	50	37	
01469500 Little Schuylkill River at Tamaqua, PA.	520	180	99	50	30	26	13	8.9	5.8	
01470000 Little Schuylkill River at	1000	440	290	170	120	100	61	50	37	

TABLE D-1
COMBINATION ONE LOW FLOW FREQUENCY TABLE(CONT'D)
(Flow in cfs)

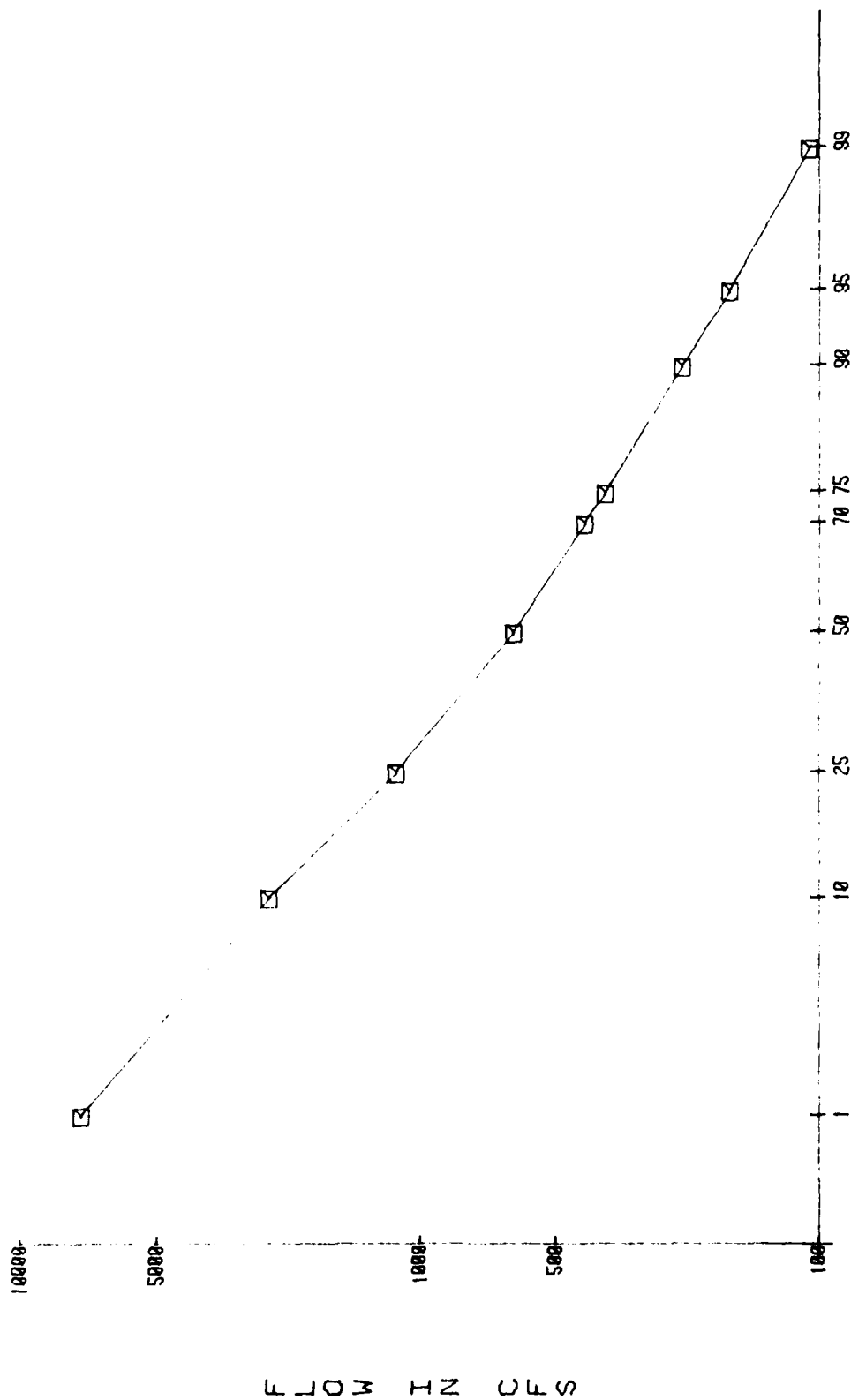
Model Node	1	10	25	50	70	75	90	95	99
01470500 Schuylkill River at Berne, PA.	3700	1400	820	450	290	250	150	120	82
01470756 Maiden Creek at Virginville, PA.	1500	460	240	120	66	56	32	25	16
01470960 Tulpehocken Creek at Blue Marsh Damsite, PA.	1400	470	290	160	99	86	50	41	41*
01471000 Tulpehocken Creek at Reading, PA.	1700	570	350	190	120	110	70	54	47
01471500 Schuylkill River at Reading, PA.	8600	3200	1800	940	560	490	290	220	160
01472000 Schuylkill River at Pottstown, PA.	9600	3800	2300	1300	810	710	450	360	260
01473000 Perkiomen Creek at Graterford, PA.	4000	790	340	160	85	74	45	37	22
01474500 Schuylkill River at Philadelphia, PA.	17000	6100	3500	1900	1100	1000	610	480	340
Delaware River below Schuylkill Confluence	73000	33000	19000	11000	6700	5900	4000	3300	2700
Delaware River at Delaware Memorial Bridge	78000	35000	21000	12000	7400	6600	4400	3600	2800

*Set equal to reservoir's basic conservation release



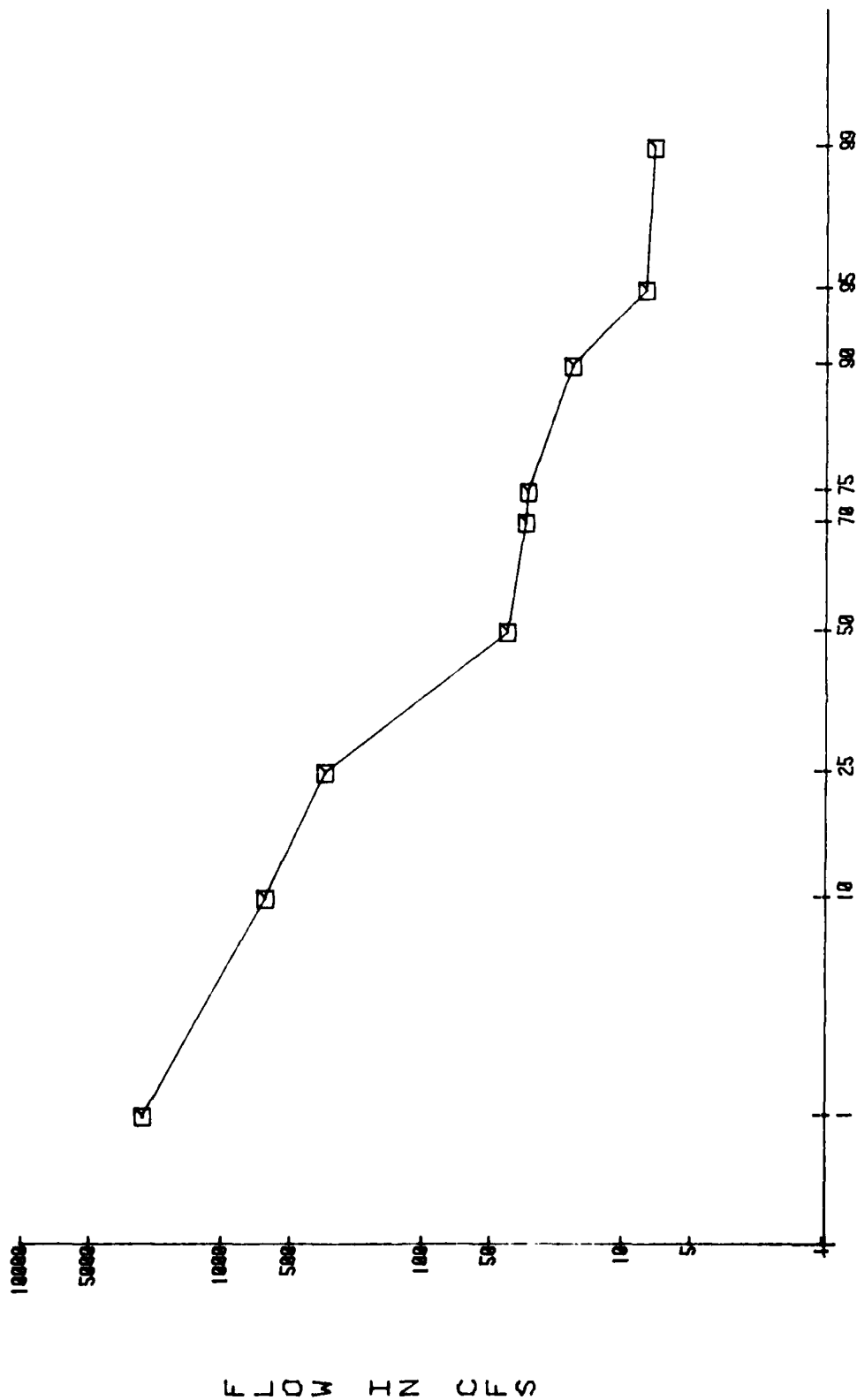
PERCENT TIME EQUALED OR EXCEEDED

Figure D-1. Combination One Duration Curve For
01417000, East Branch Delaware River at
Downsville, N.Y.



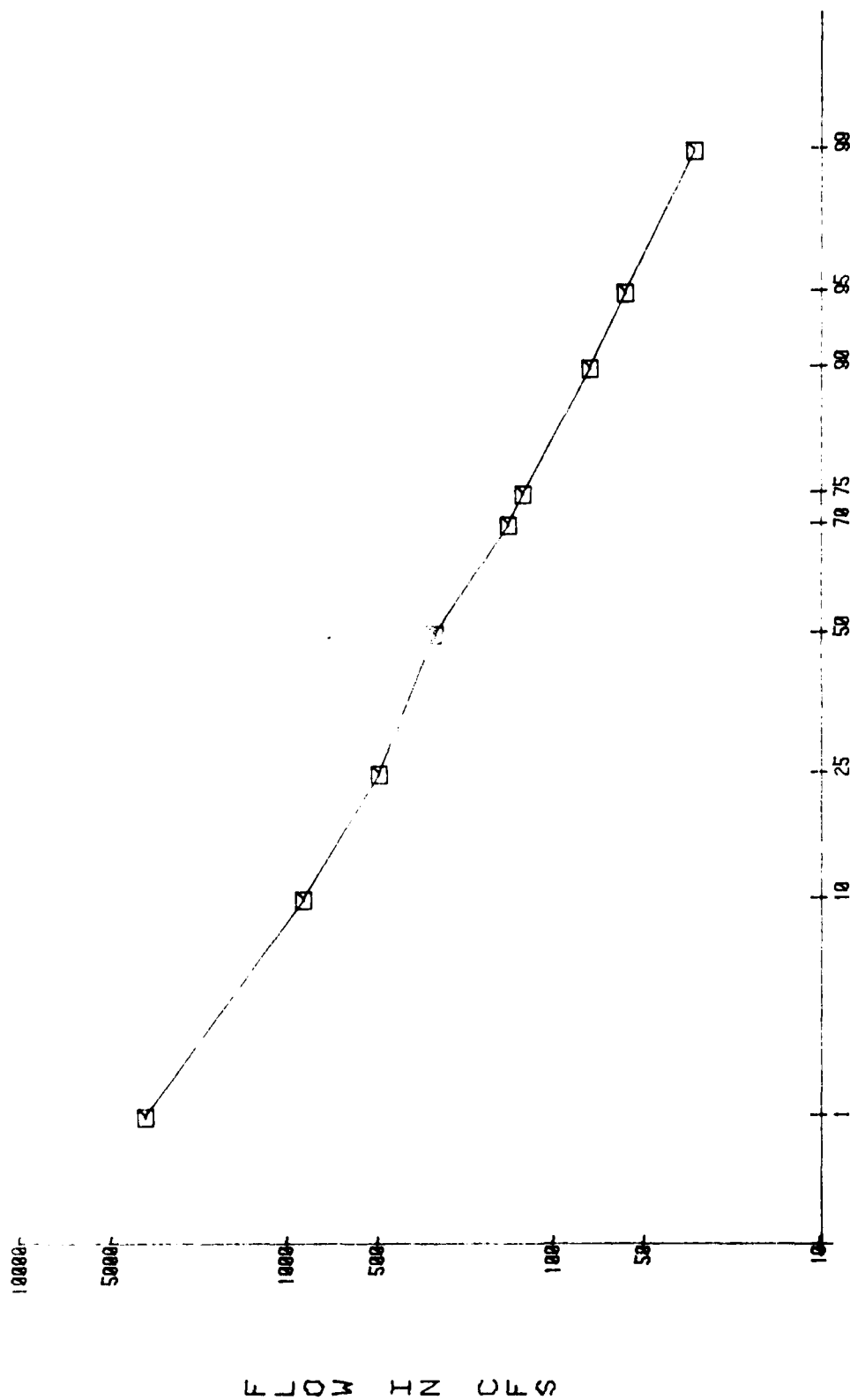
PERCENT TIME EQUALED OR EXCEEDED

Figure D-2. Combination One Duration Curve For
01421000, East Branch Delaware River at
Fishes Eddy, N.Y.

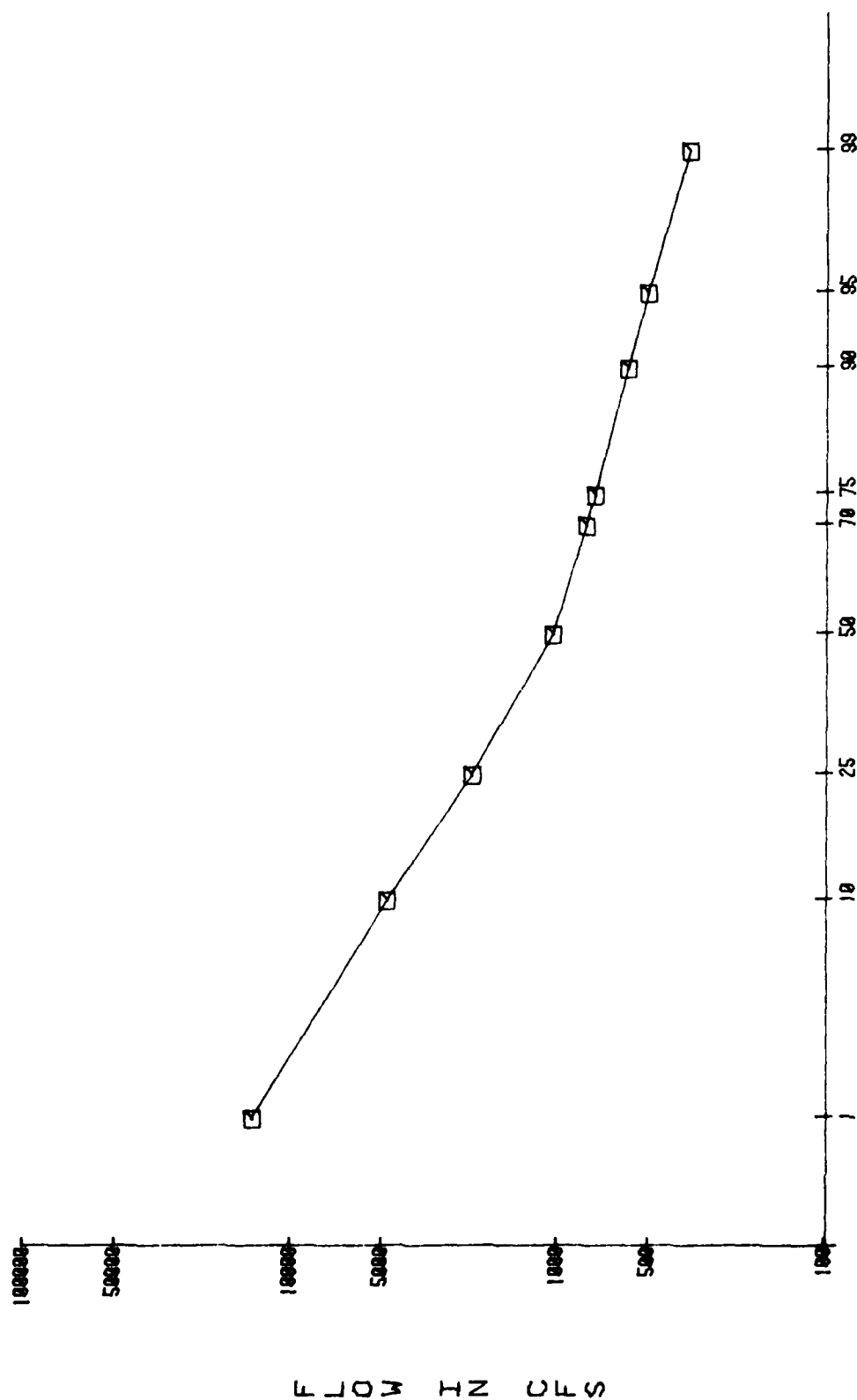


PERCENT TIME EQUALED OR EXCEEDED

Figure D-3. Combination One Duration Curve For
01425000, West Branch Delaware River at
Stilesville, N.Y.

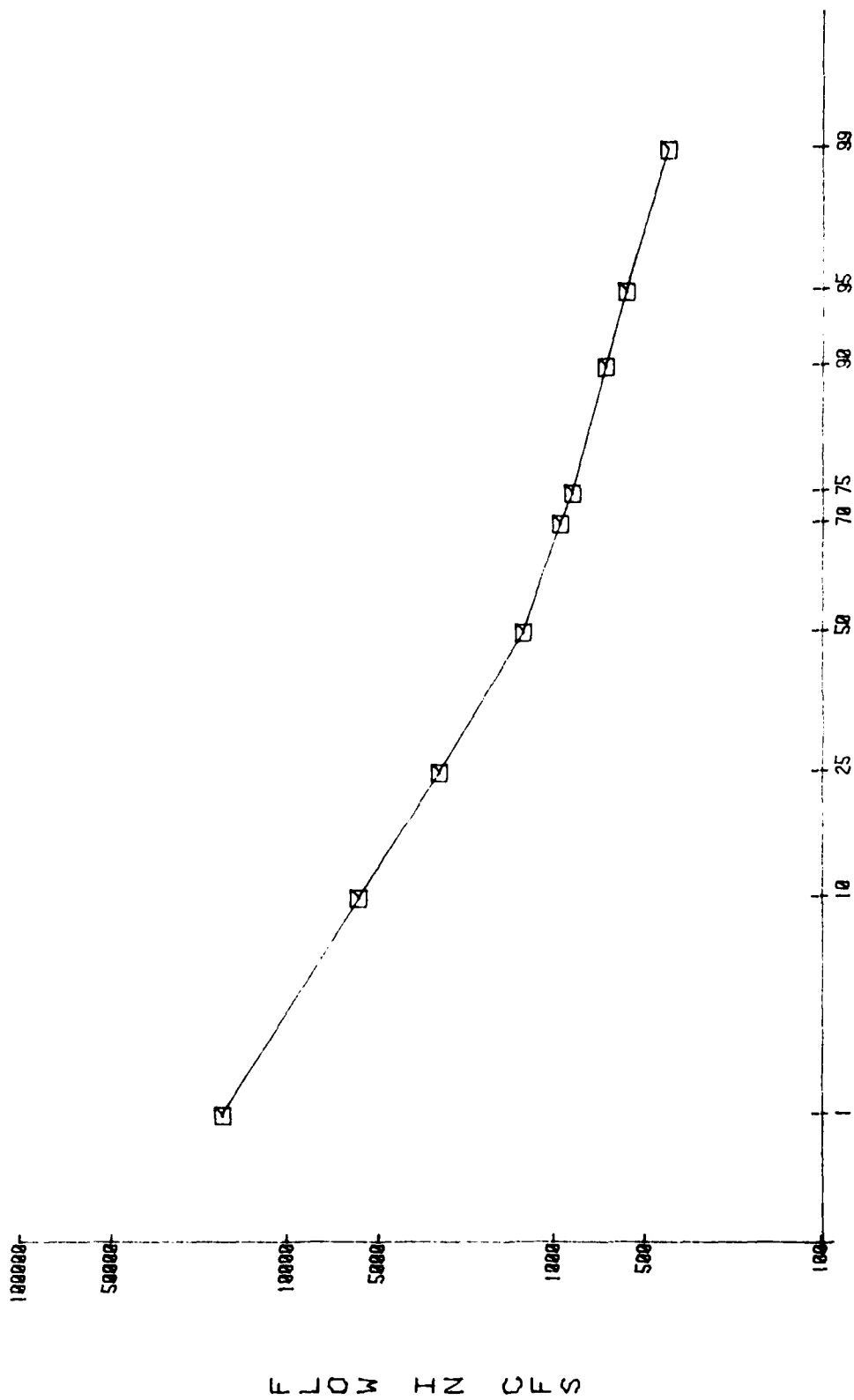


PERCENT TIME EQUALED OR EXCEEDED
 Figure D-4. Combination One Duration Curve For
 01426500, West Branch Delaware River at
 Hale Eddy, N.Y.



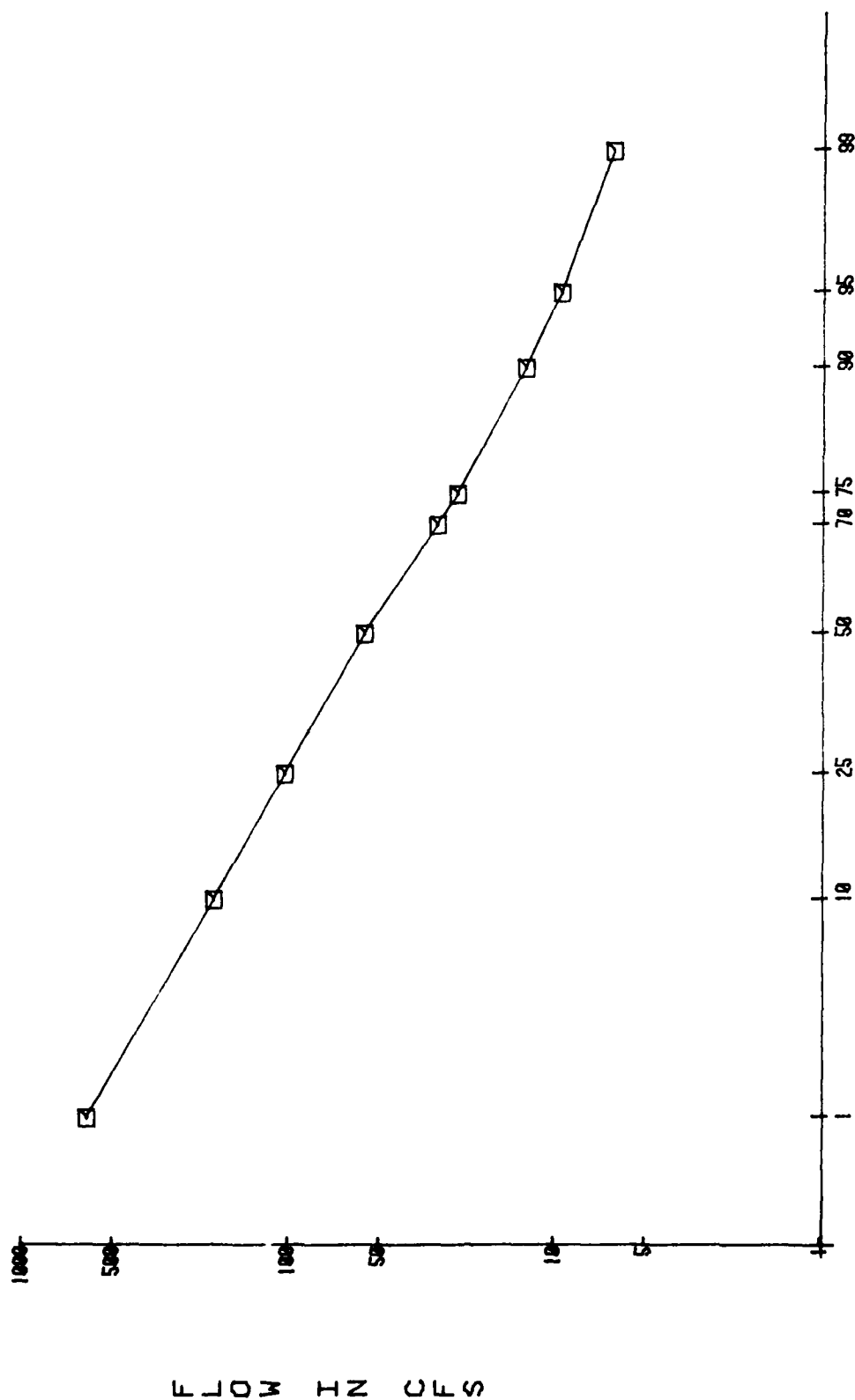
PERCENT TIME EQUALED OR EXCEEDED

Figure D-5. Combination One Duration Curve For
01427405, Delaware River Near Callicoon, N.Y.



PERCENT TIME EQUALED OR EXCEEDED

Figure D-6. Combination One Duration Curve For
01428500, Delaware River Near Barryville, N.Y.



PERCENT TIME EQUALED OR EXCEEDED

Figure D-7. Combination One Duration Curve For
01429000, Lackawaxen River at Prompton, PA.

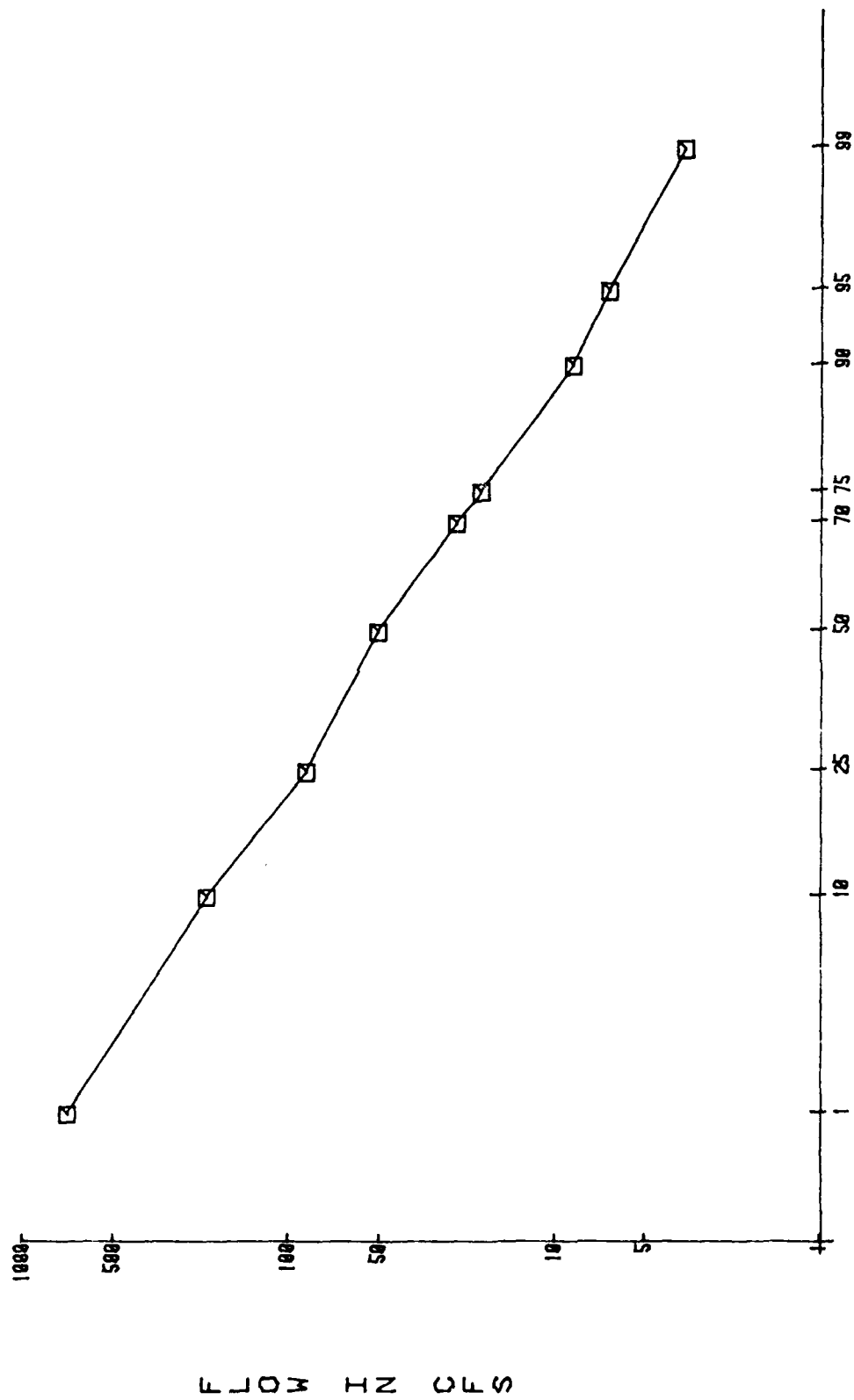
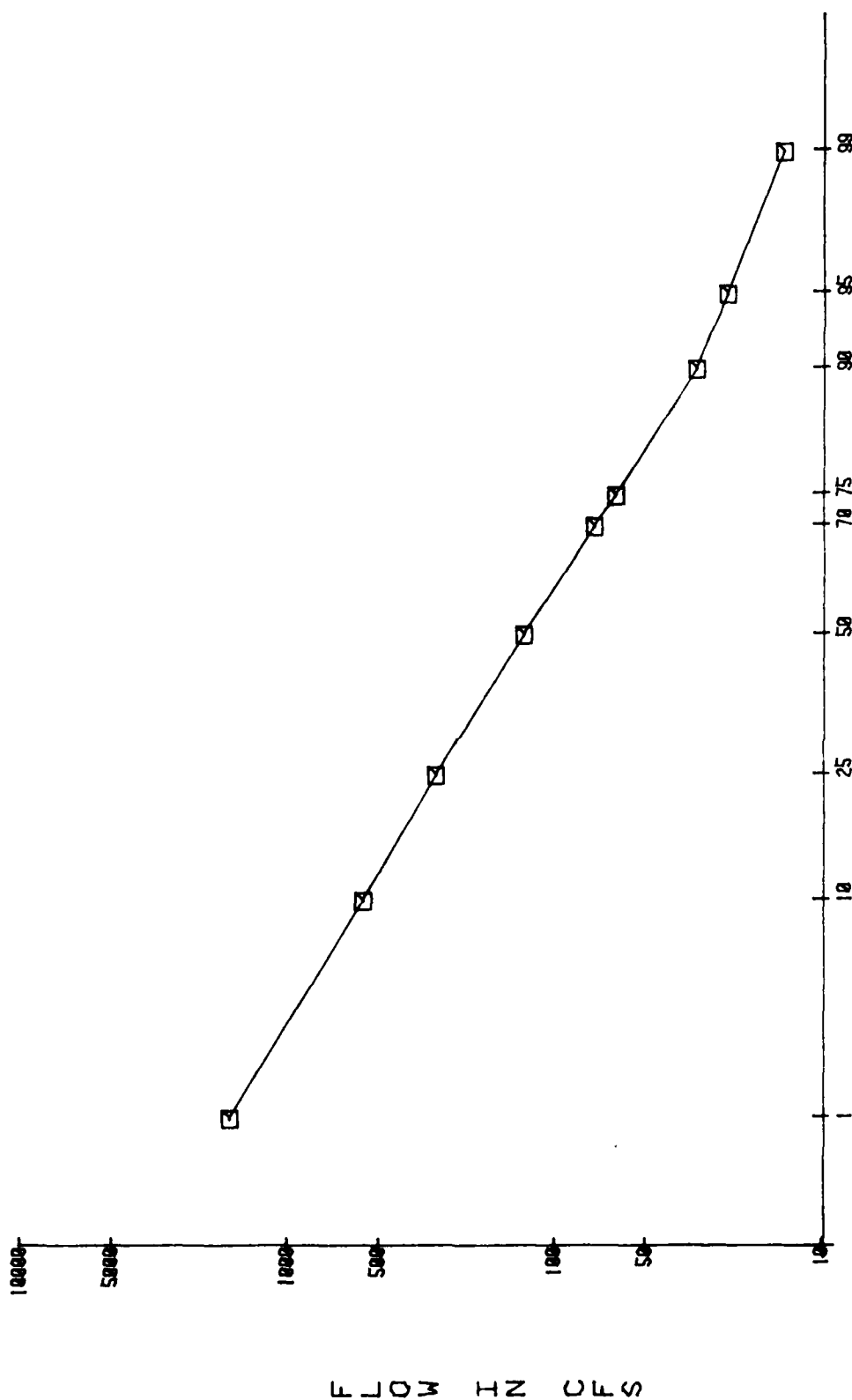


Figure D-8. Combination One Duration Curve For

01429500, Dyberry Creek Near Honesdale, PA.



PERCENT TIME EQUALED OR EXCEEDED
Figure D-9. Combination One Duration Curve For
01430000, Lackawaxen River at Honesdale, PA.

10000

5000

1000

500

100

50

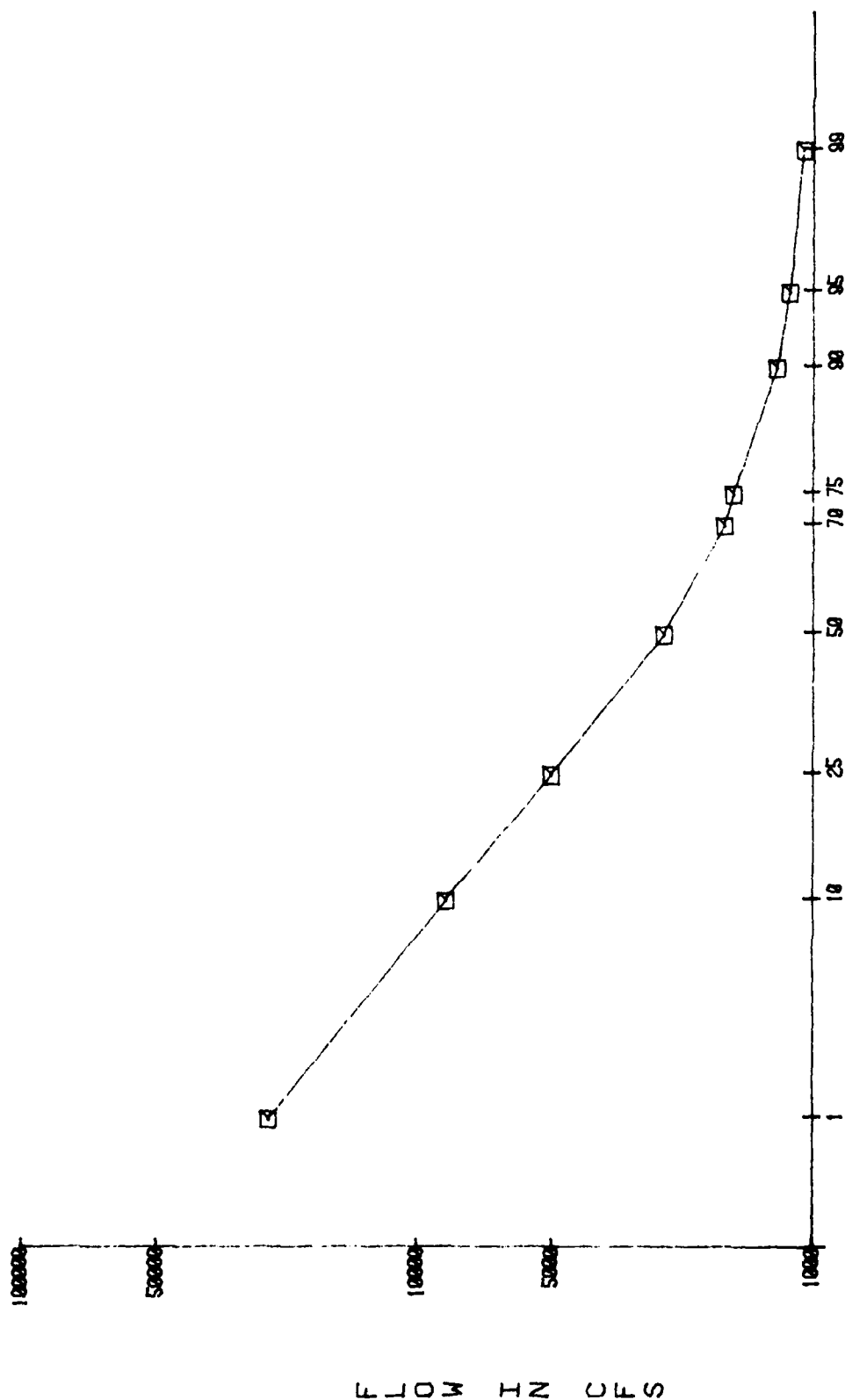
10

PER

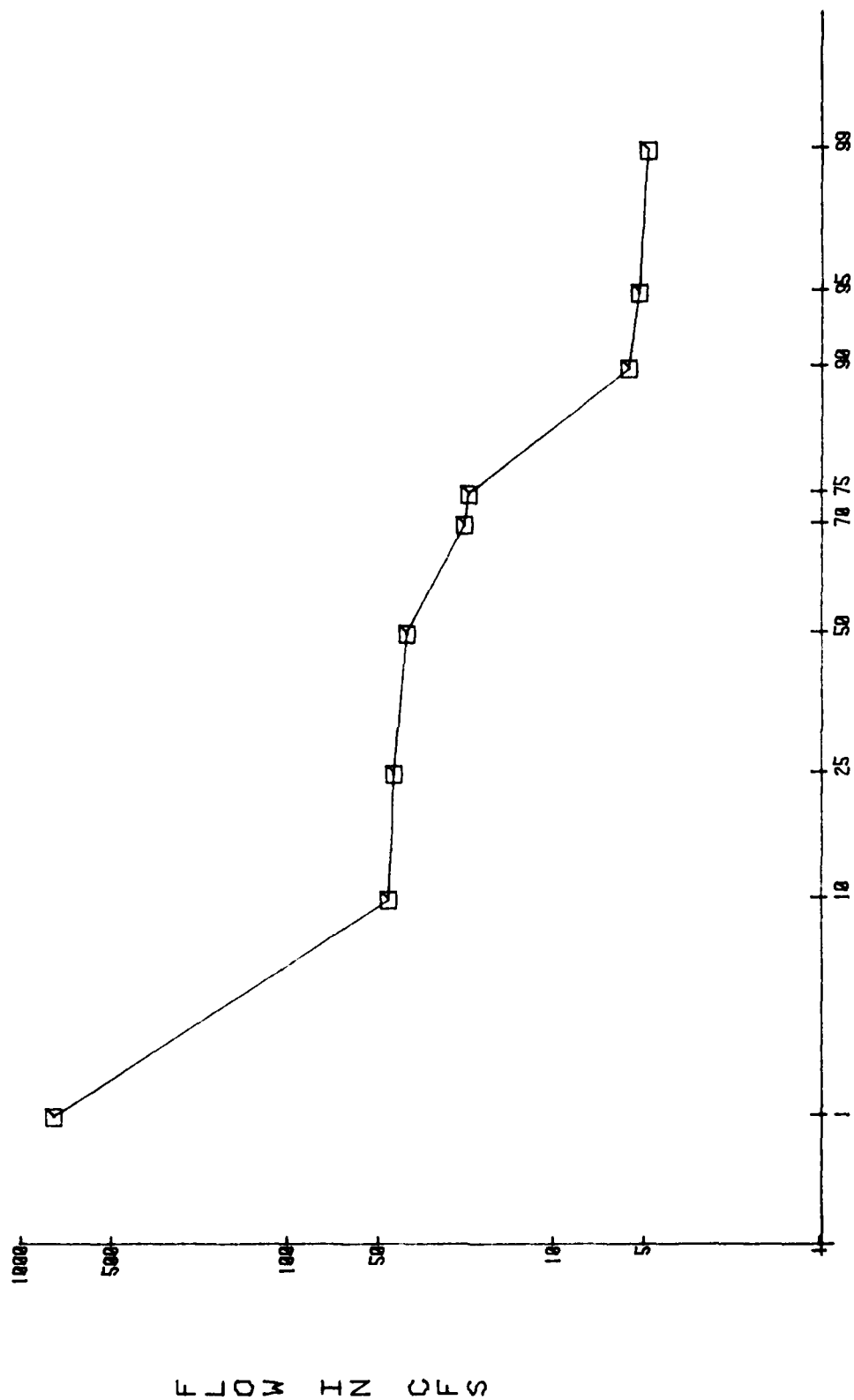
Figure 10-10

TIME EQUAL TO 10 MINUTES

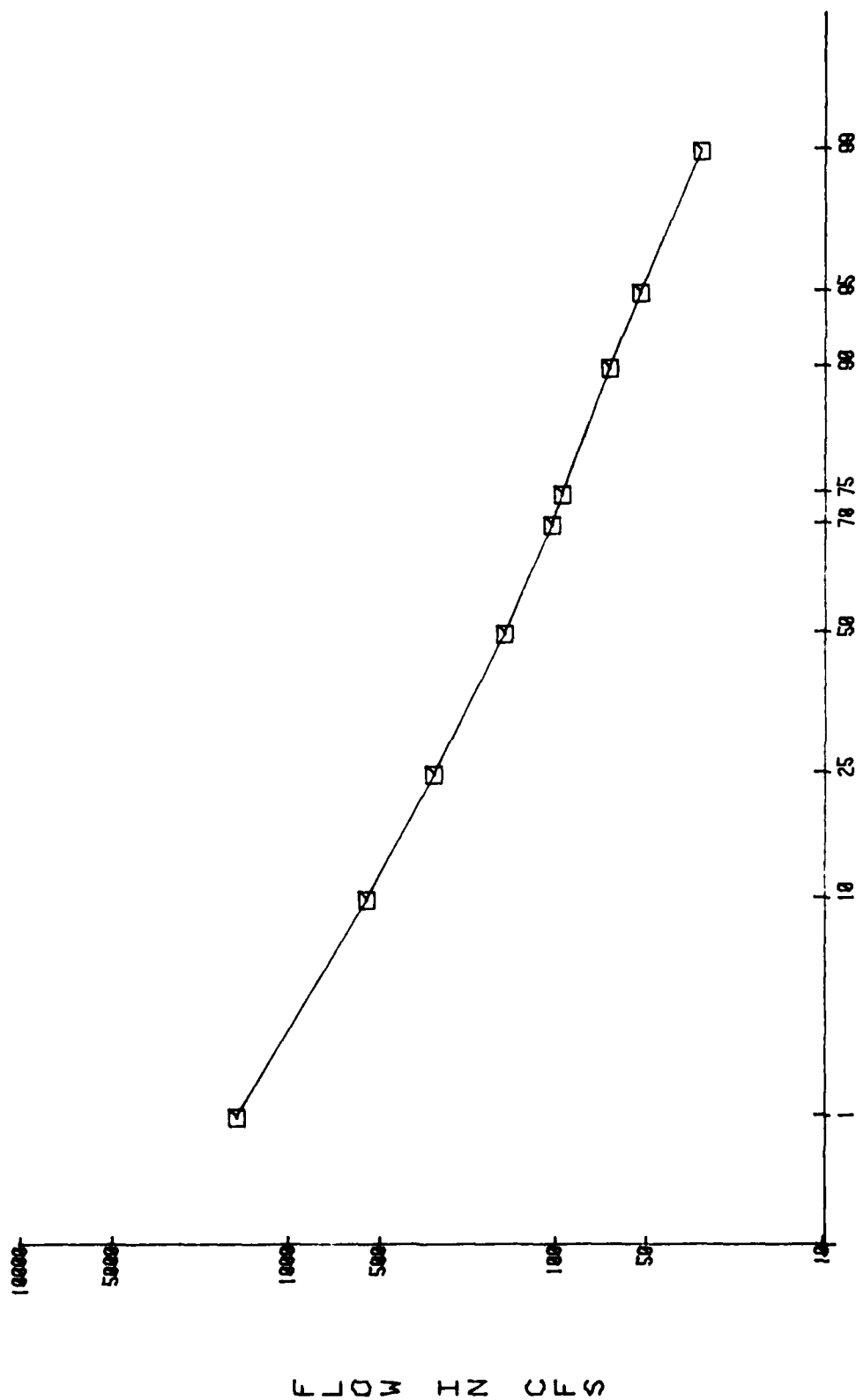
Combination One Duration Curve for
0.001500, Lackawanna River at Lawley, N.Y.



PERCENT TIME EQUALED OR EXCEEDED
 Figure D-11. Combination One Duration Curve For
 01434000, Delaware River at Port Jervis, N.Y.

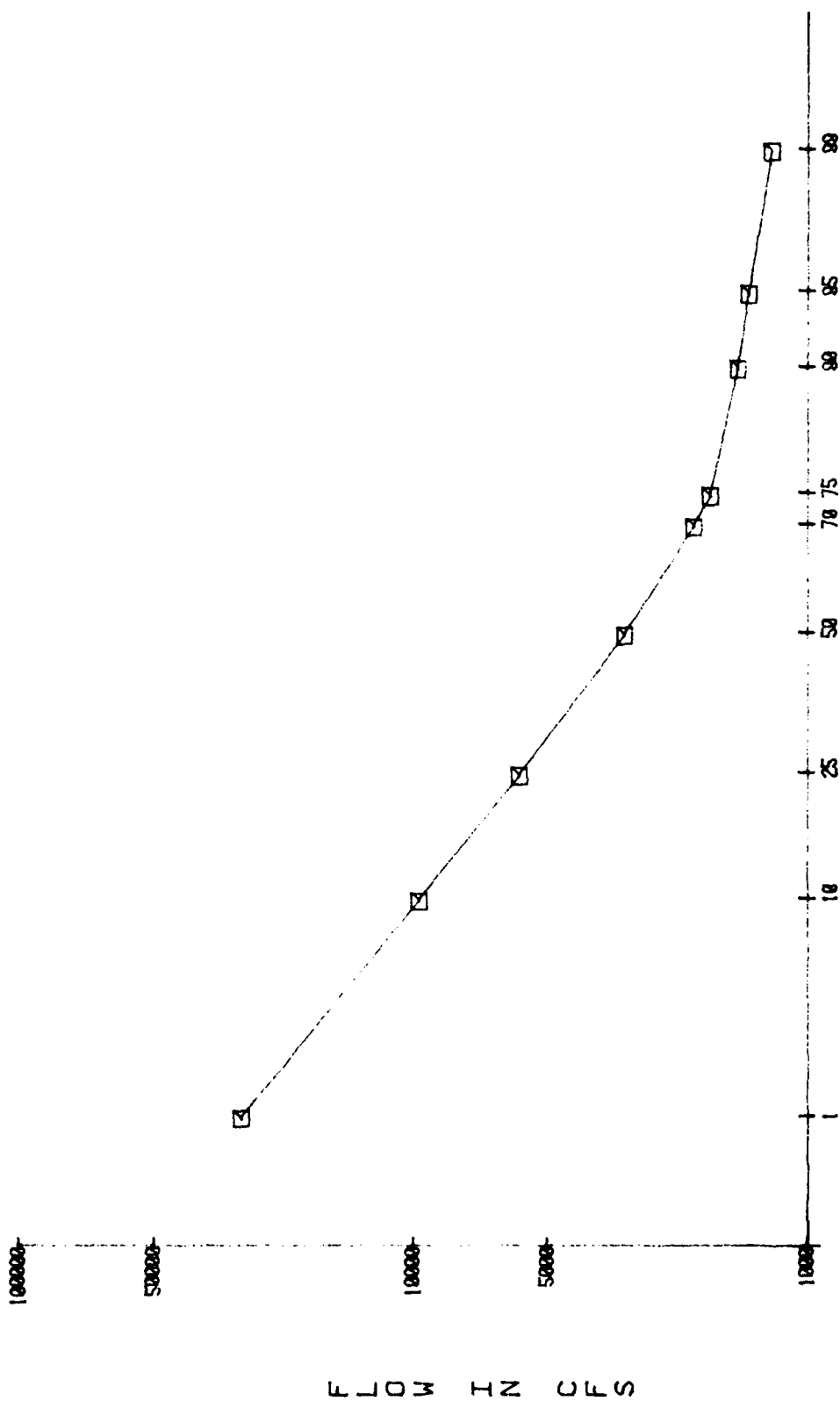


PERCENT TIME EQUALED OR EXCEEDED
 Figure D-12. Combination One Duration Curve For
 01436000, Neversink River at Neversink, N.Y.

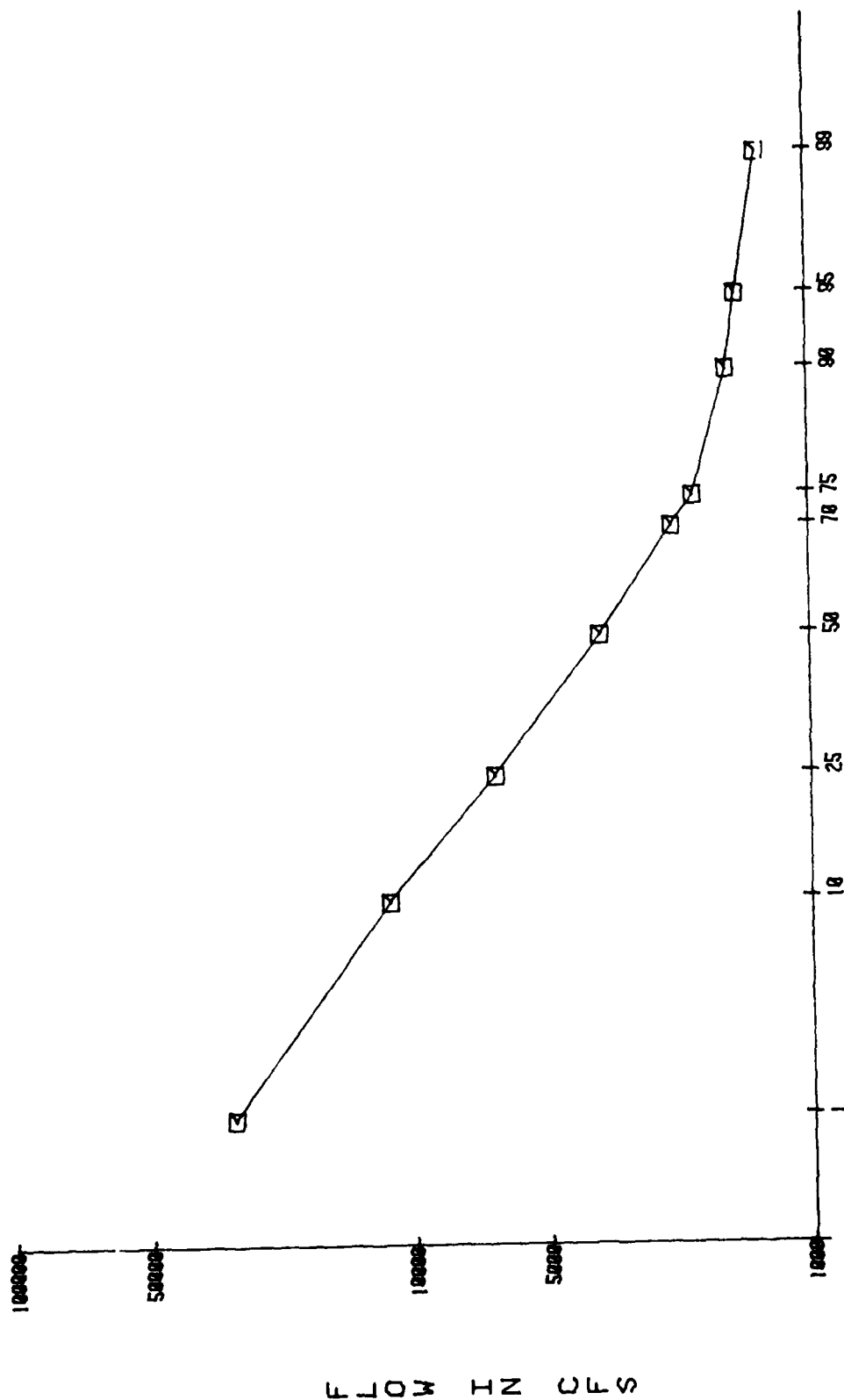


PERCENT TIME EQUALED OR EXCEEDED

Figure D-13. Combination One Duration Curve For
01437000, Neversink River at Oakland, N.Y.



PERCENT TIME EQUALED OR EXCEEDED
Figure D-14. Combination One Duration Curve For
01438500, Delaware River at Montague, N.J.



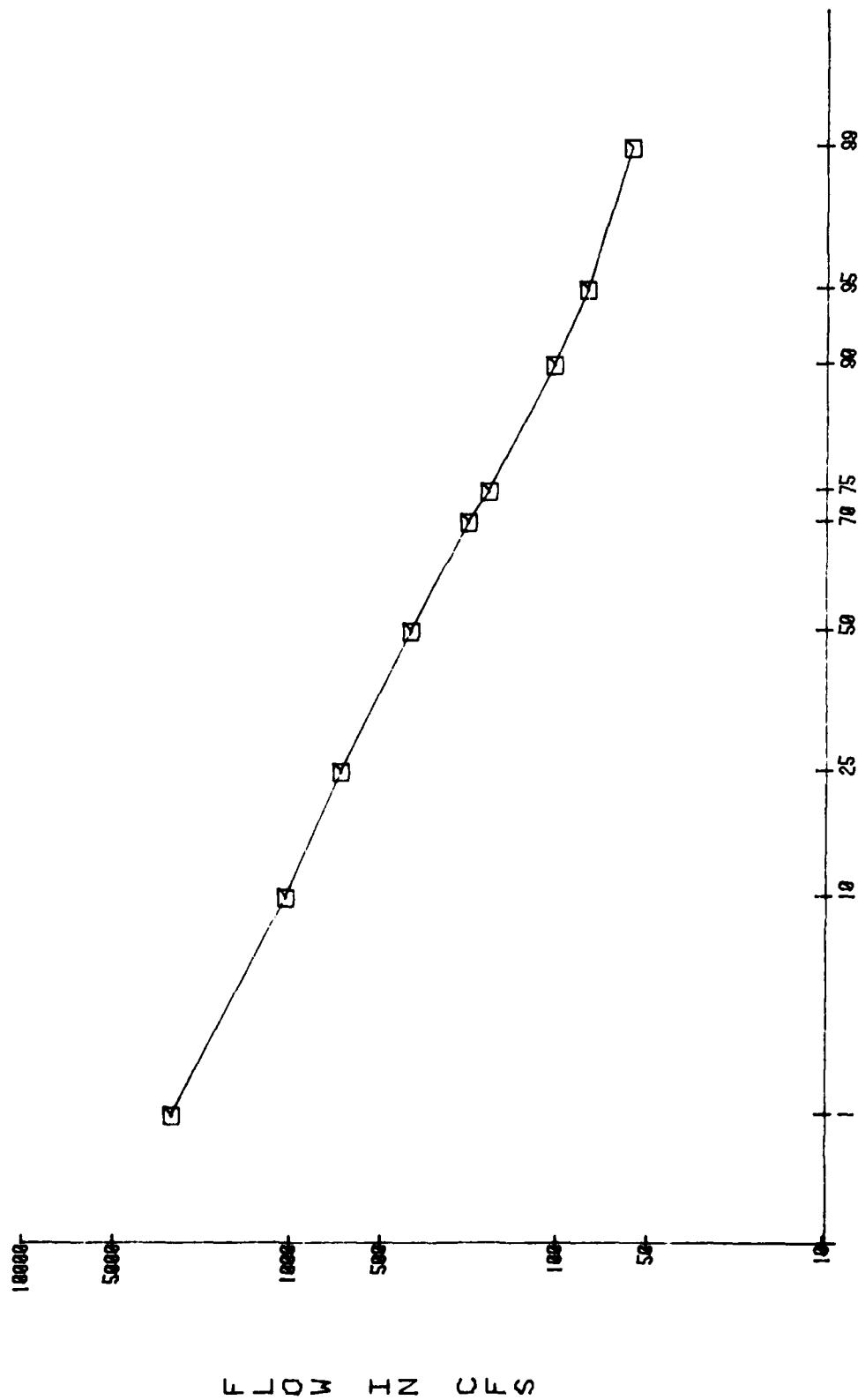
PERCENT TIME EQUALED OR EXCEEDED

Figure D-15. Combination One Duration Curve For
01440200, Delaware River Below
Tocks Island Damsite, PA.

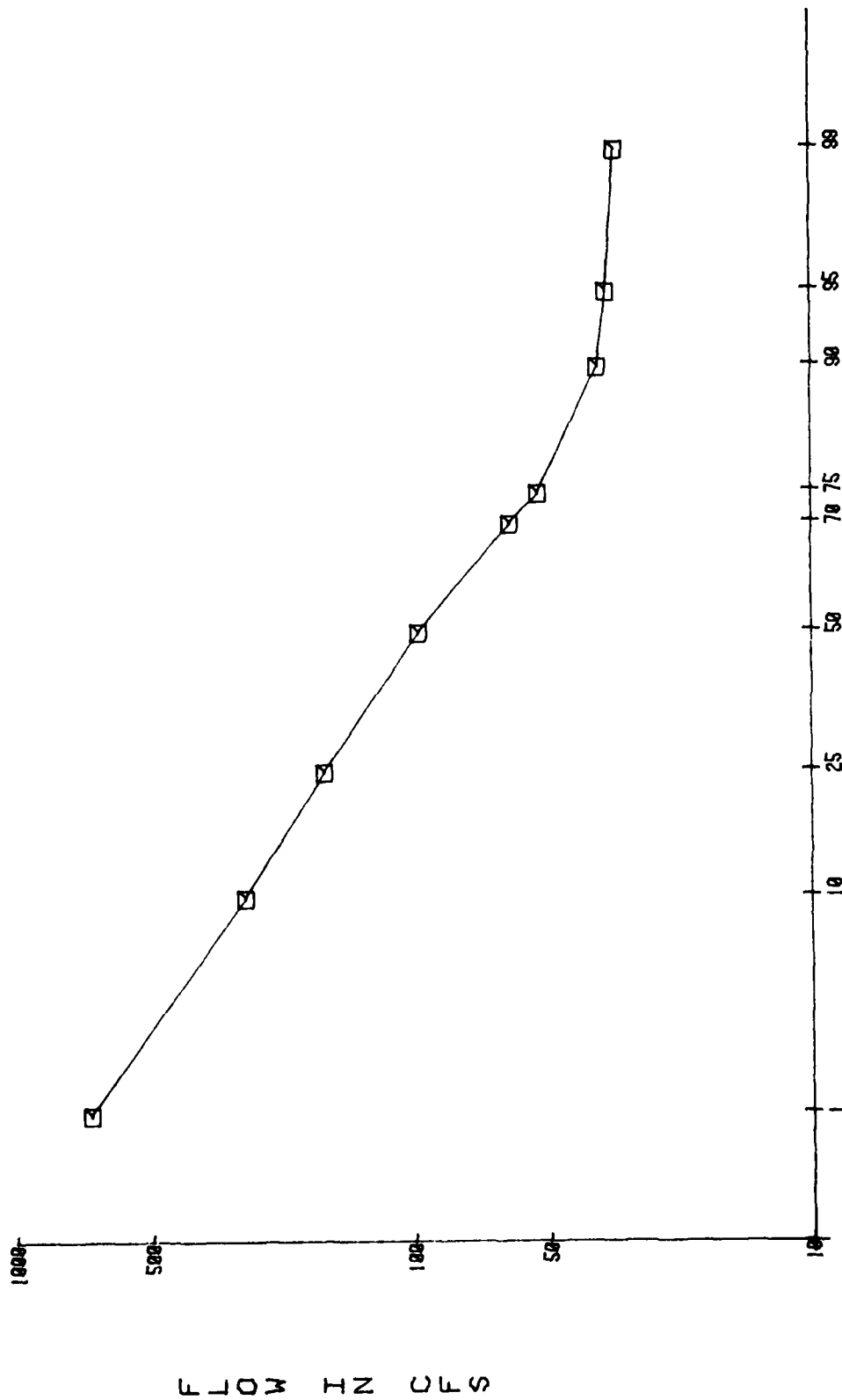


PERCENT TIME EQUALED OR EXCEEDED

Figure D-16. Combination One Duration Curve For
01446500, Delaware River at Belvidere, N.J.

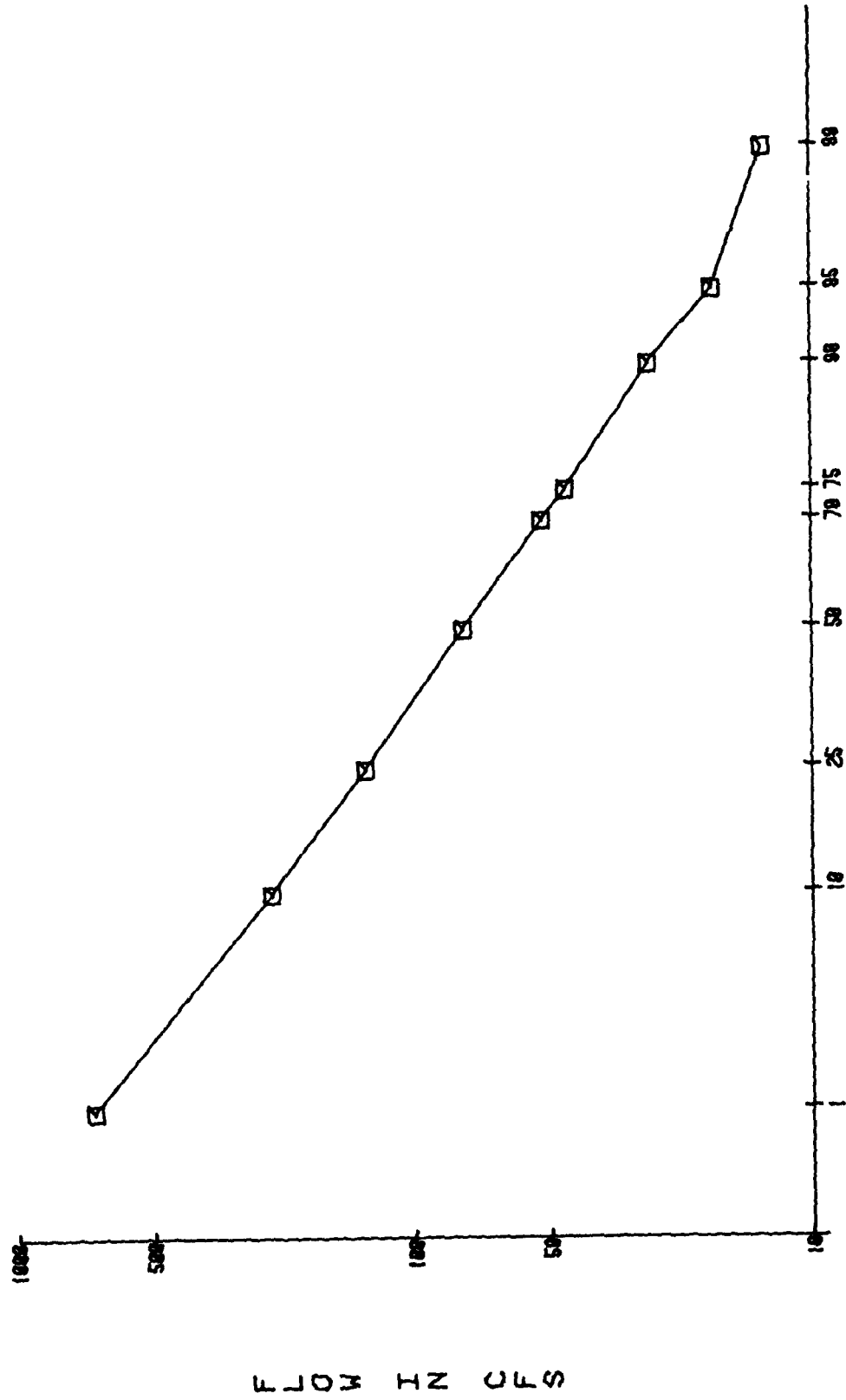


PERCENT TIME EQUALED OR EXCEEDED
 Figure D-17. Combination One Duration Curve For
 01447800, Lehigh River at White Haven, PA.

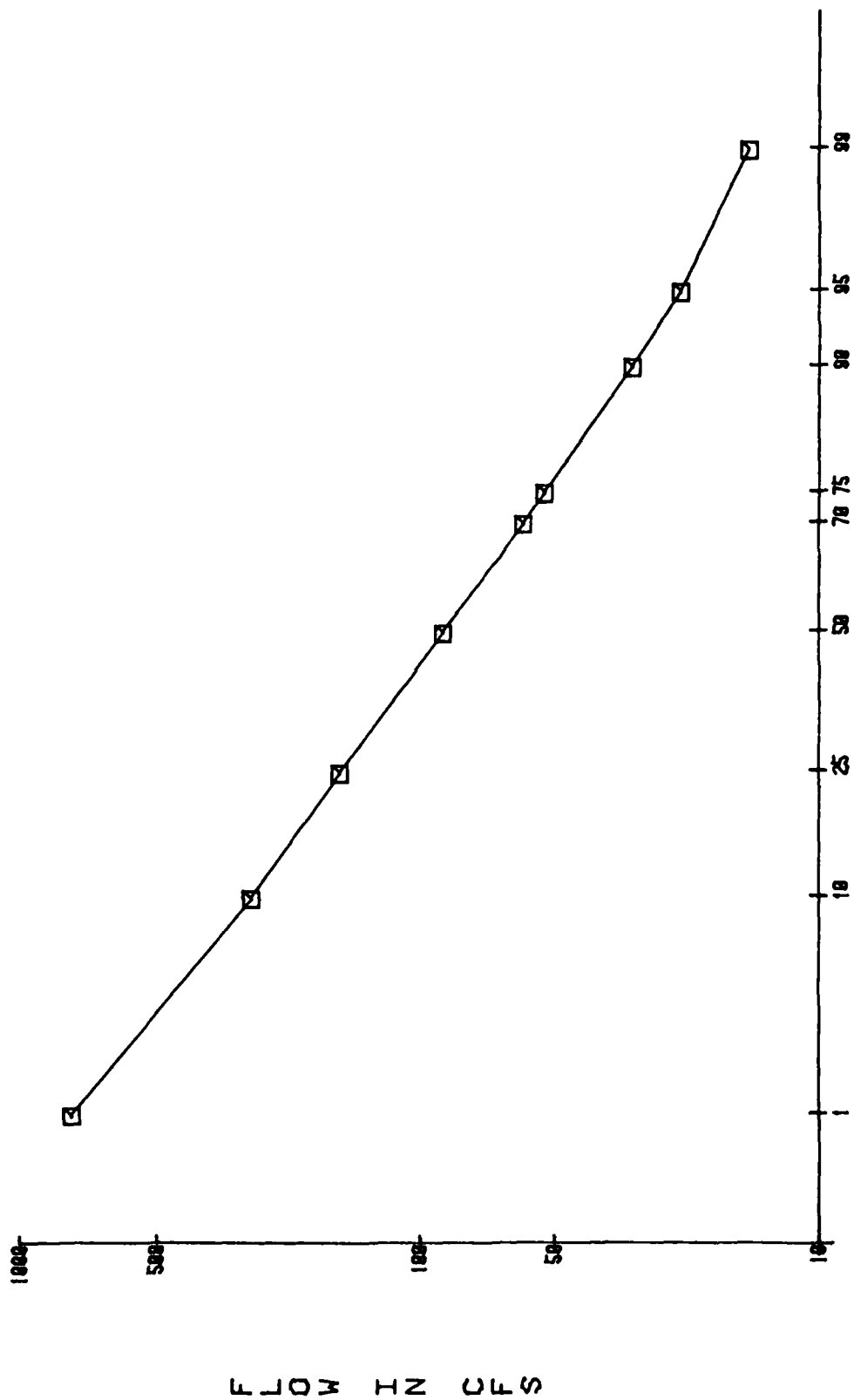


PERCENT TIME EQUALED OR EXCEEDED

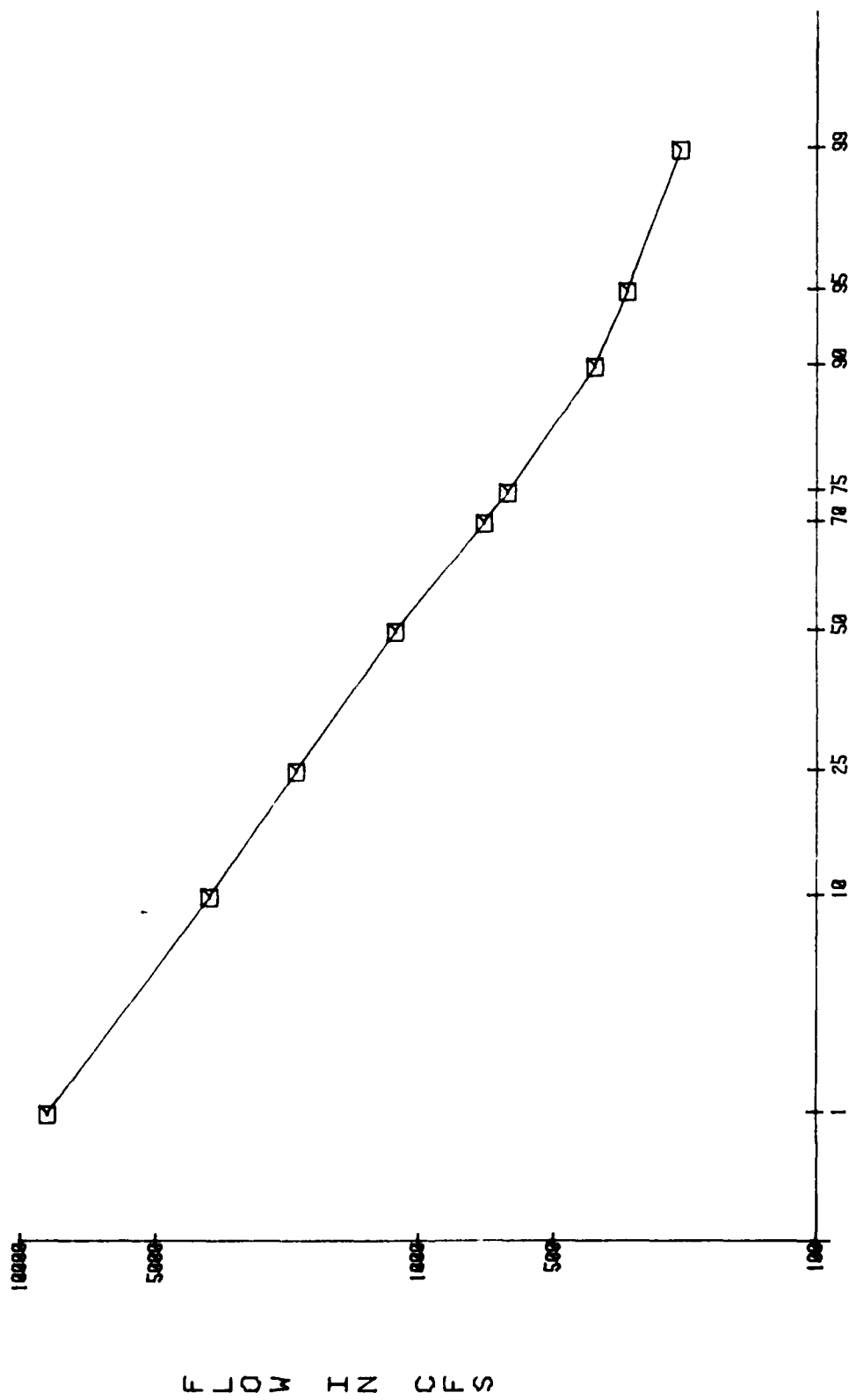
Figure D-18. Combination One Duration Curve For
01449800, Pohopoco Creek at Beltzville Dam site, PA.



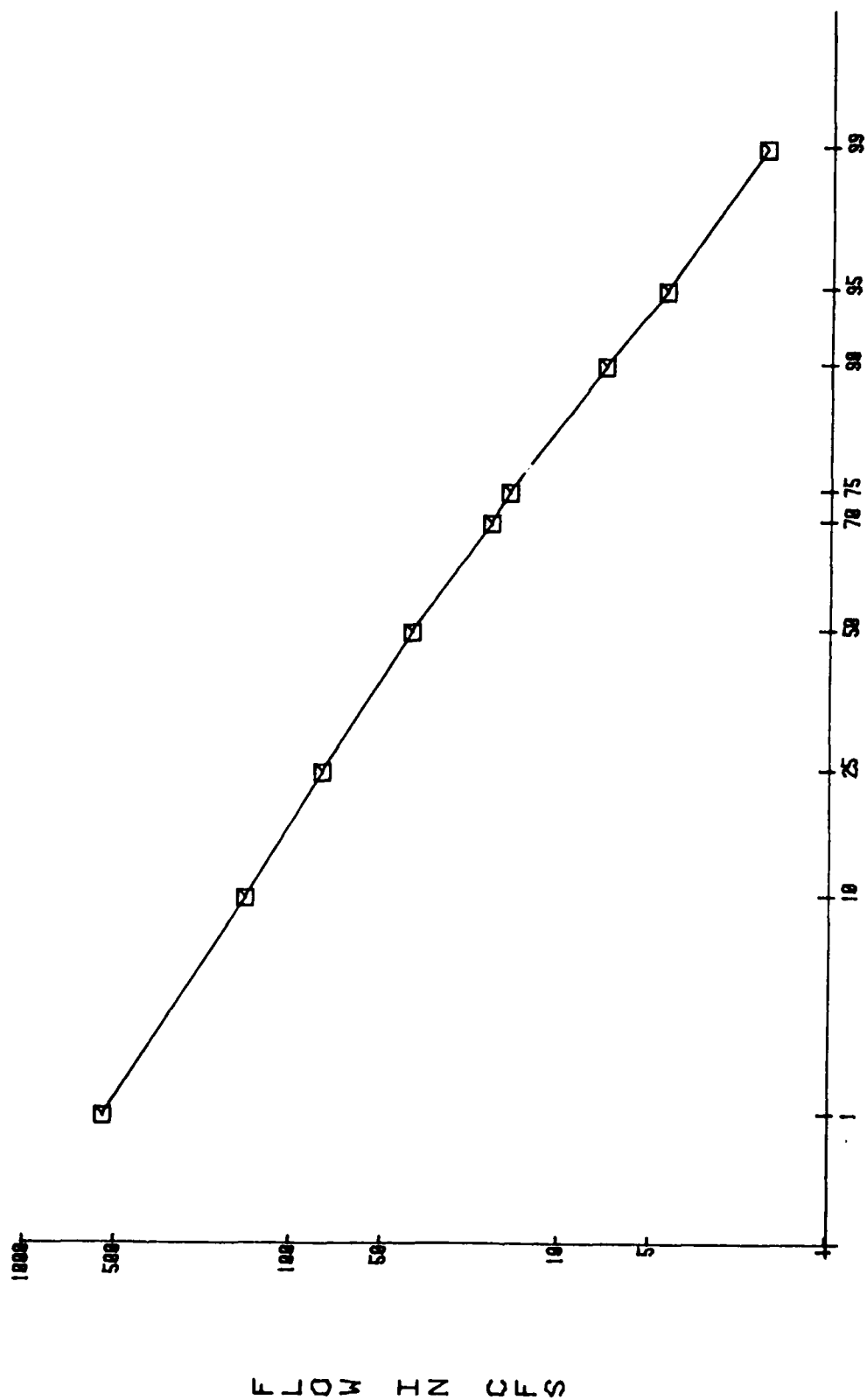
PERCENT TIME EQUALED OR EXCEEDED
 Figure D-19. Combination One Duration Curve For
 Aquashicola Creek at Aquashicola Dam site, PA.



PERCENT TIME EQUALED OR EXCEEDED
Figure D-20. Combination One Duration Curve For
01450500, Aquashicola Creek at Palmerton, PA.

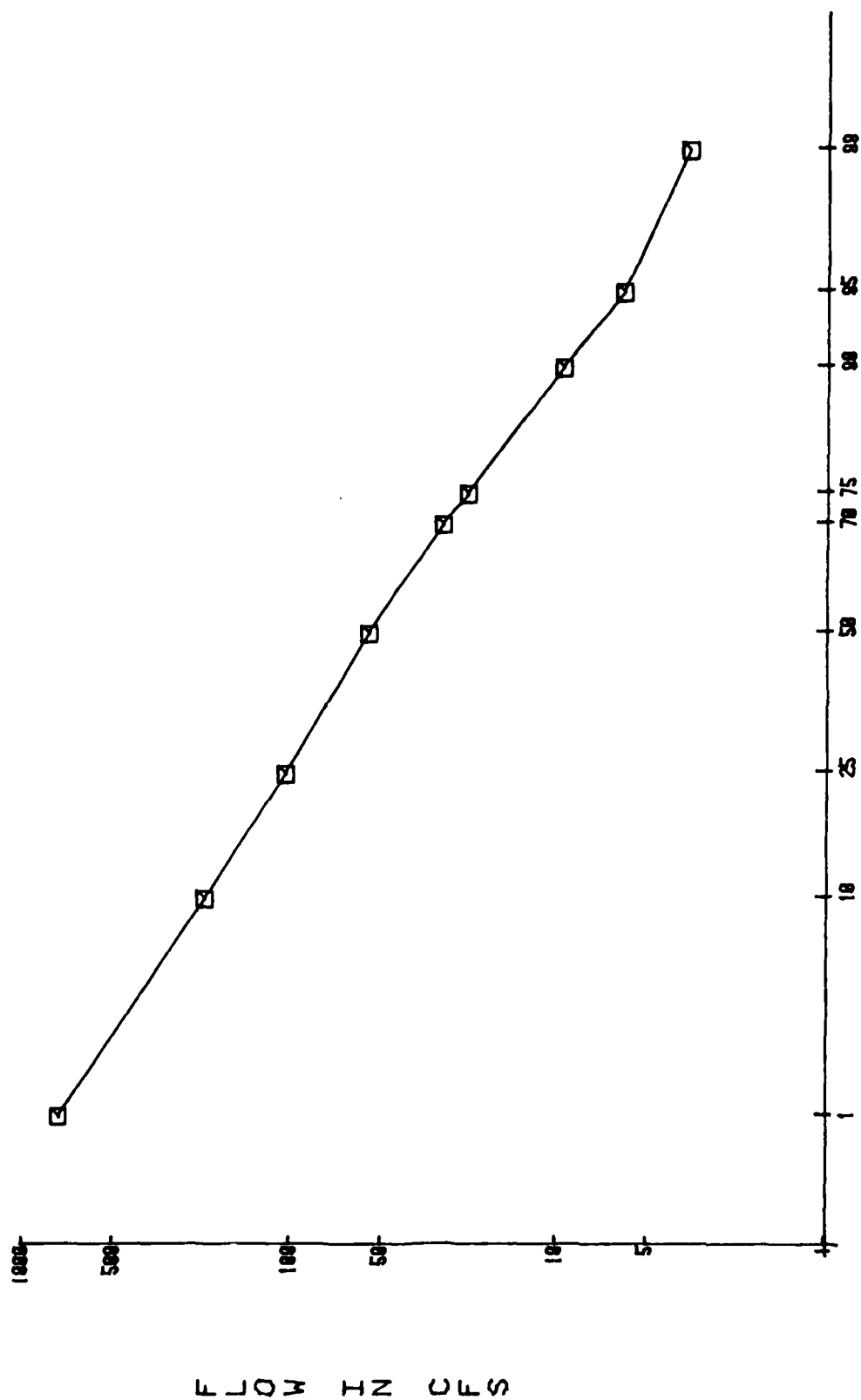


PERCENT TIME EQUALED OR EXCEEDED
Figure D-21. Combination One Duration Curve For
01451000, Lehigh River at Walnutport, PA.

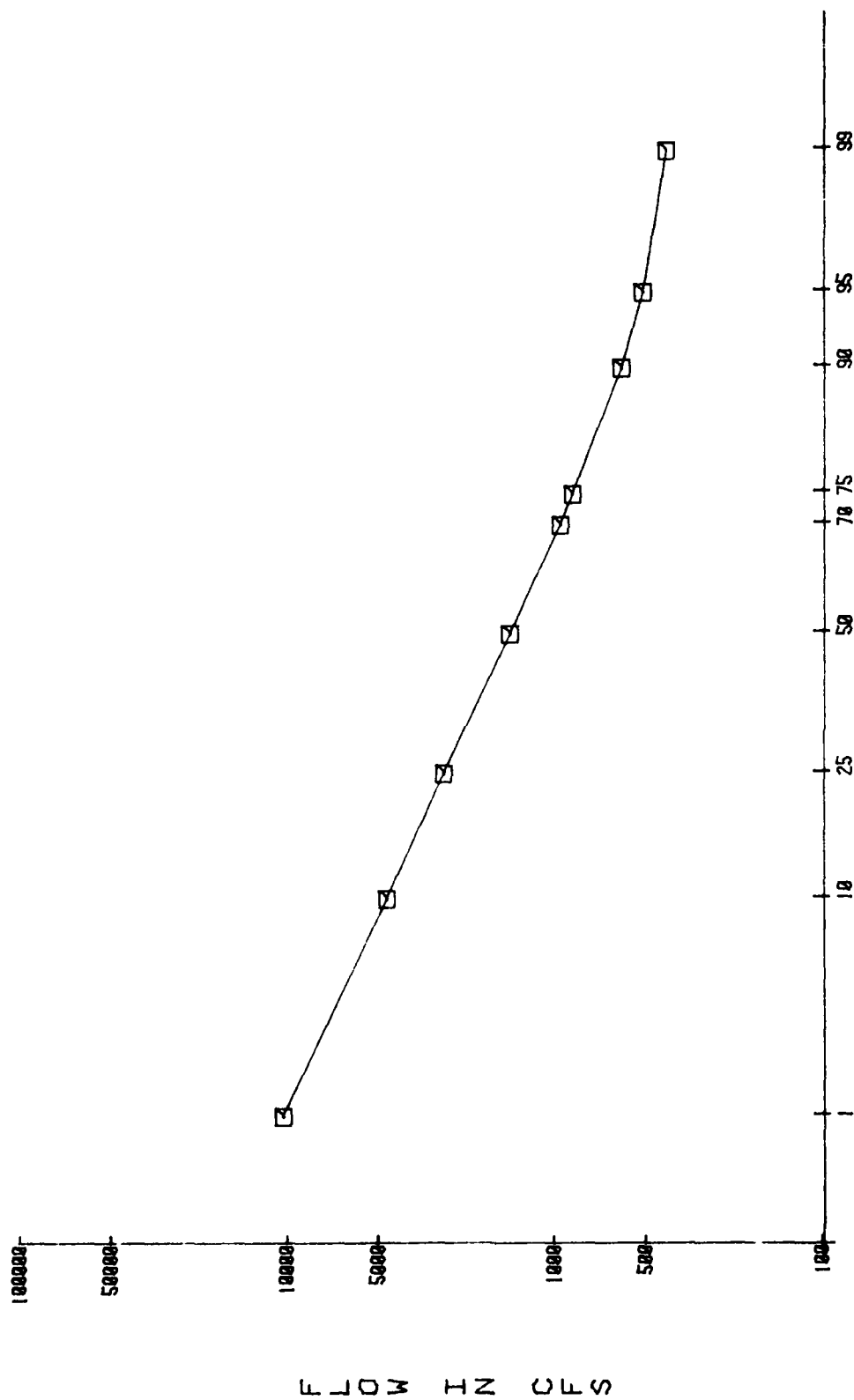


PERCENT TIME EQUALED OR EXCEEDED

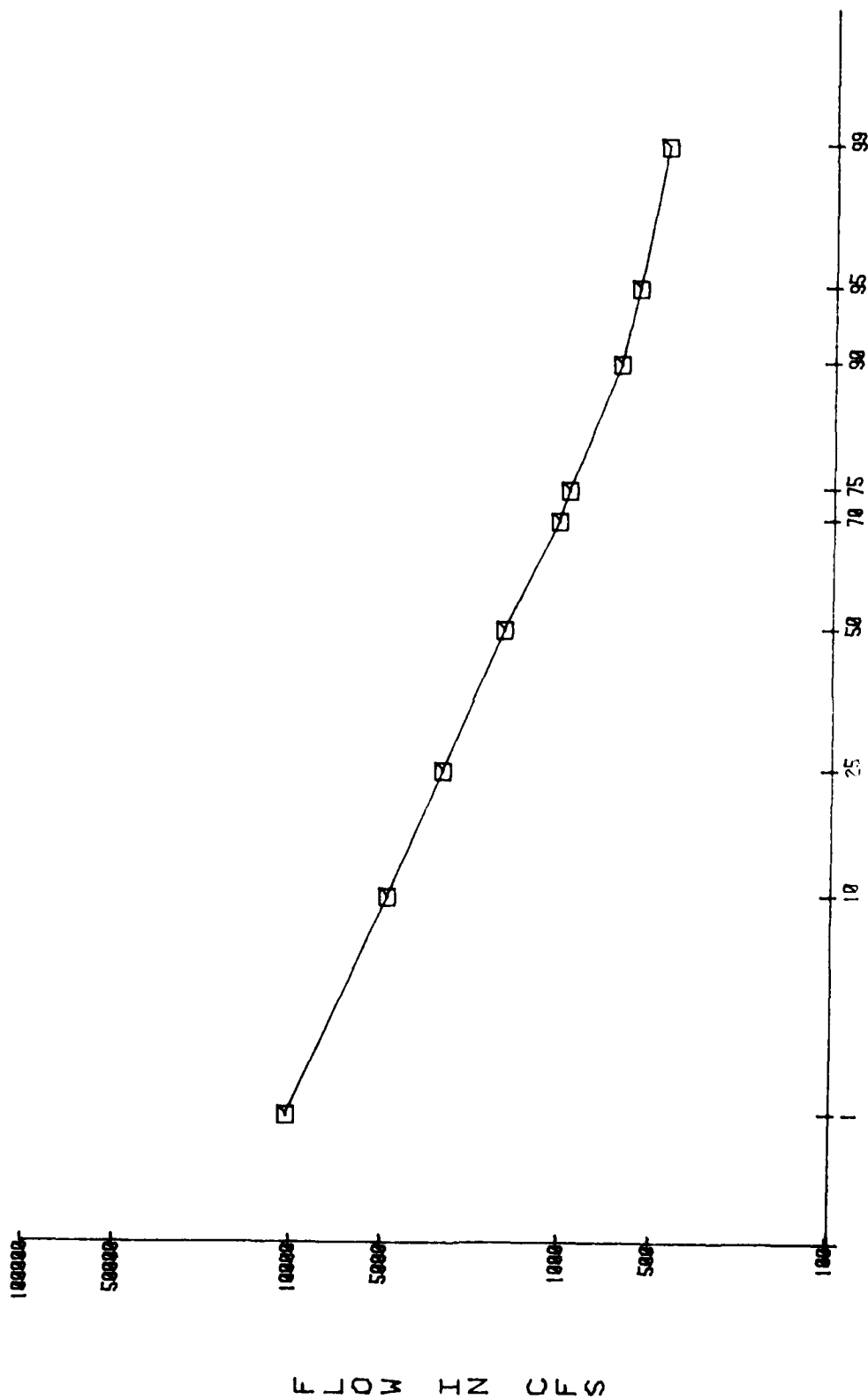
Figure D-22. Combination One Duration Curve For
01451800, Jordan Creek Near Schnecksville, PA.



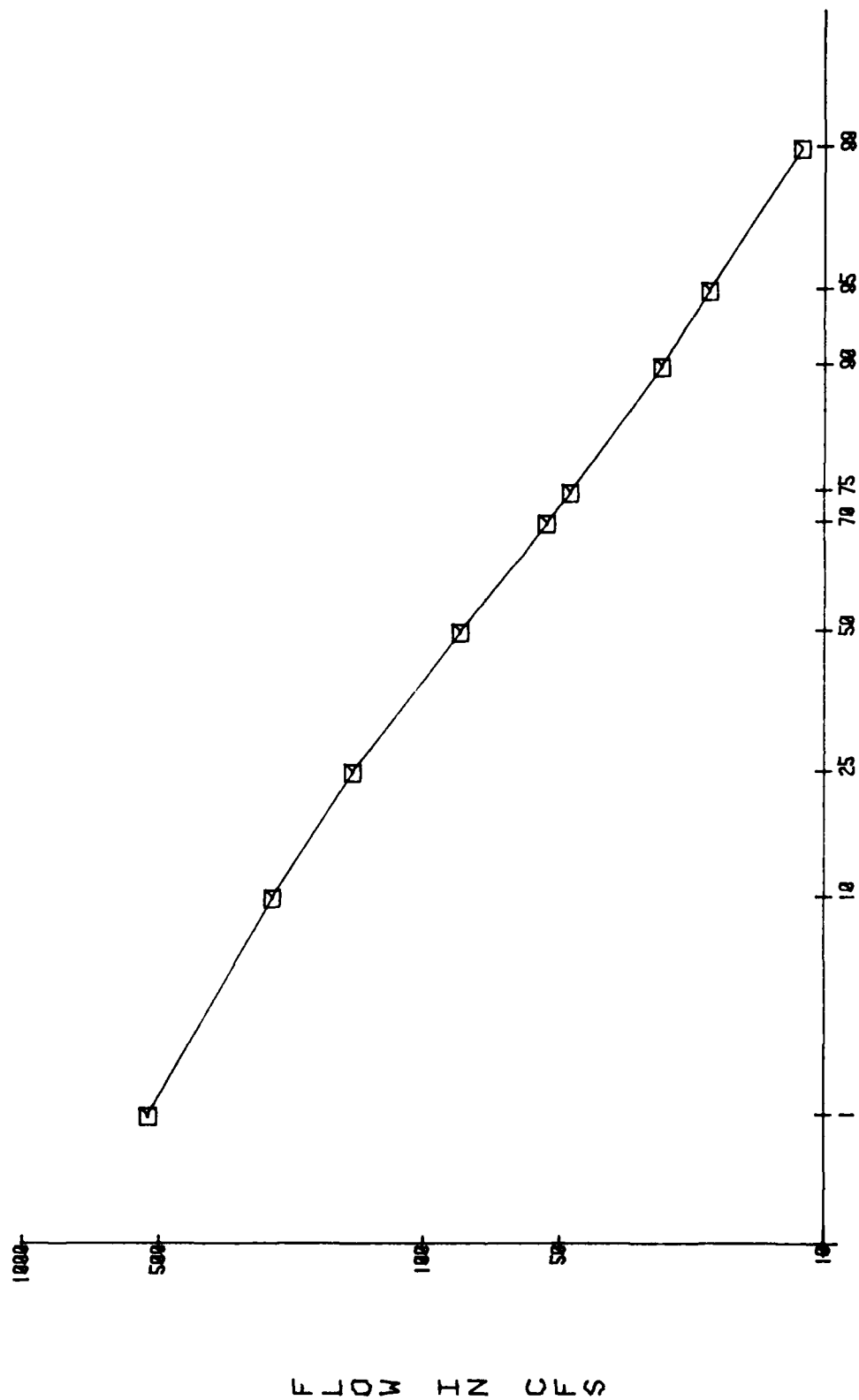
PERCENT TIME EQUALED OR EXCEEDED
Figure D-23. Combination One Duration Curve For
01451200, Jordan Creek at Allentown, PA.



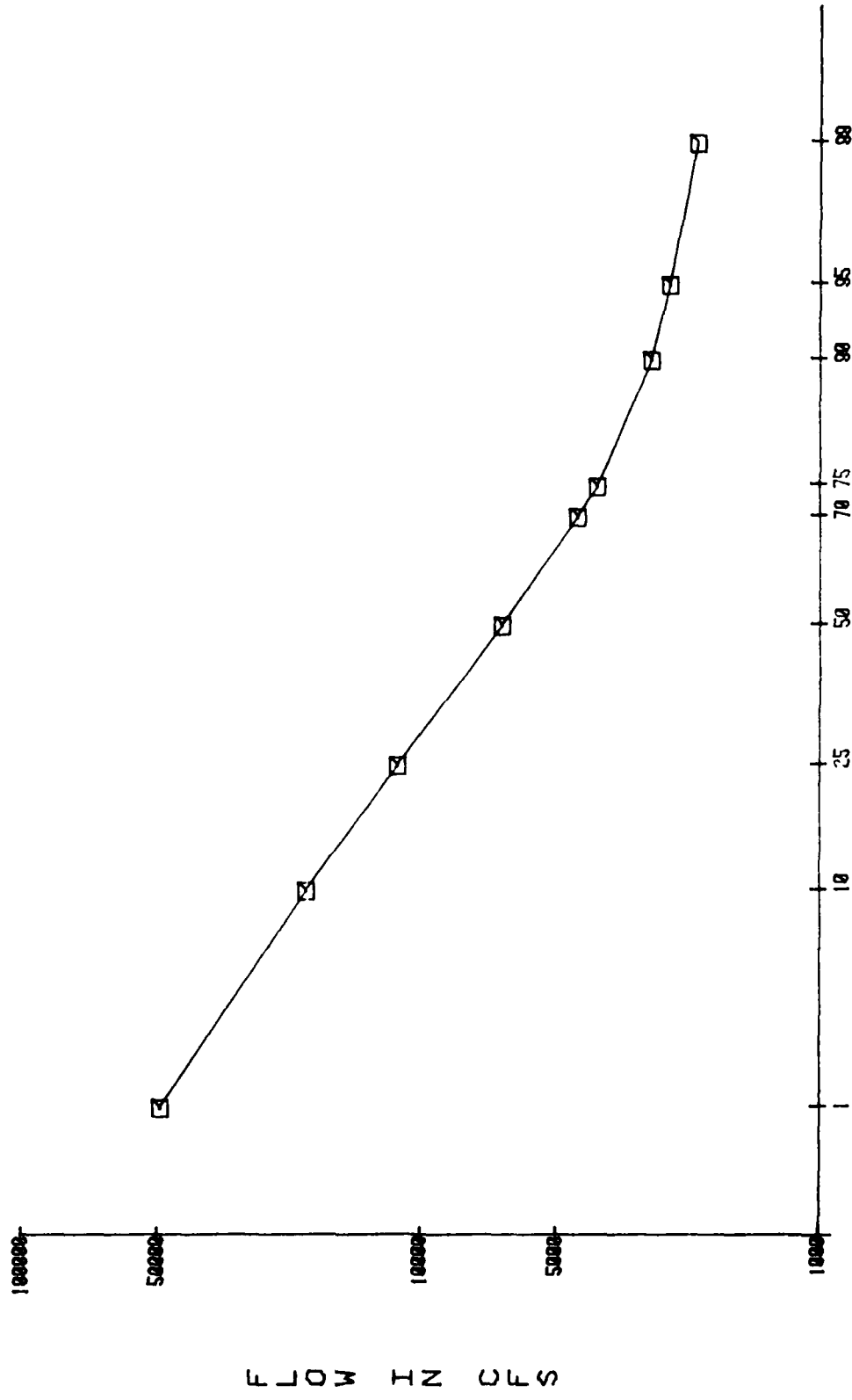
PERCENT TIME EQUALED OR EXCEEDED
Figure D-24. Combination One Duration Curve For
01453000, Lehigh River at Bethlehem, PA.



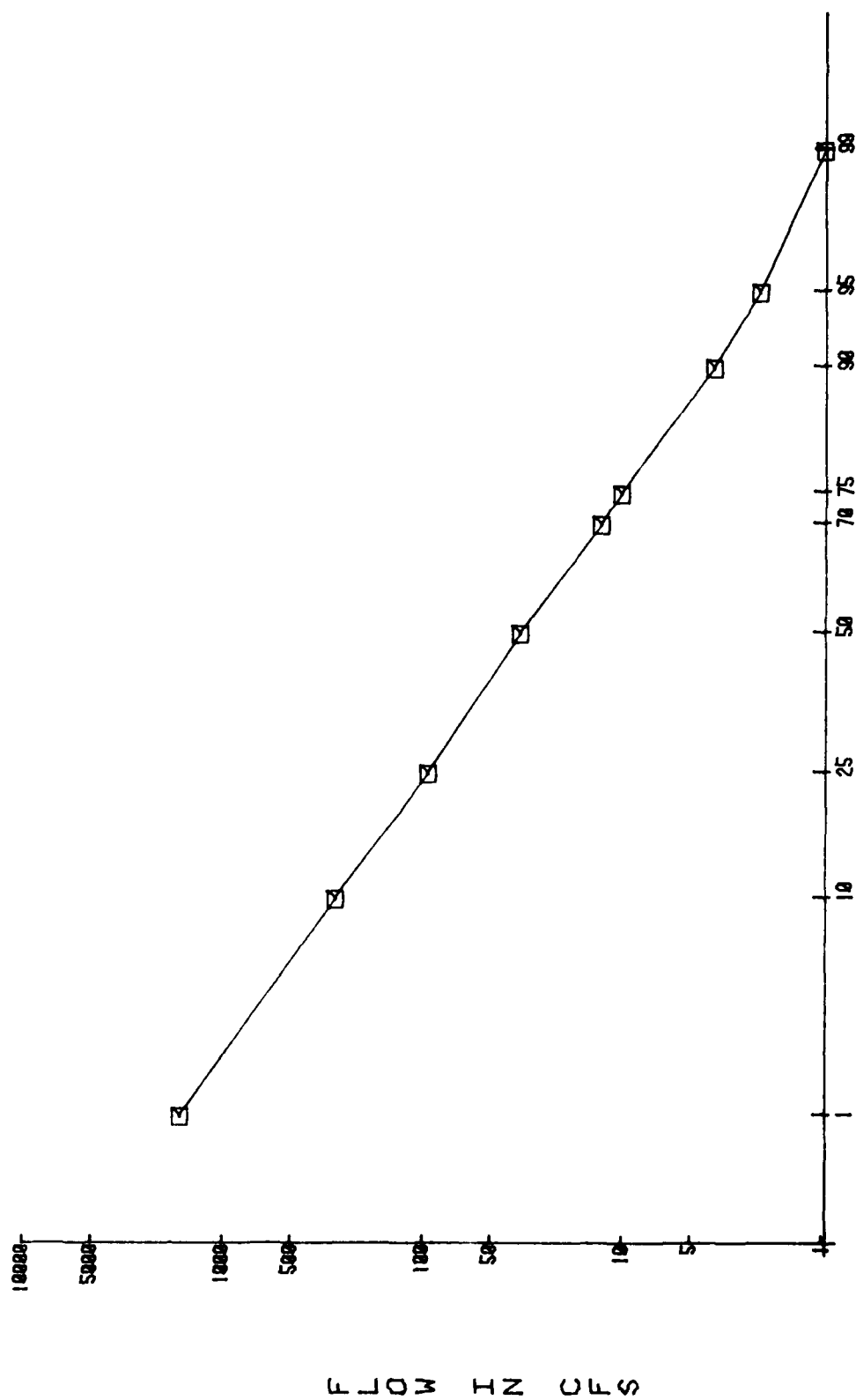
PERCENT TIME EQUALED OR EXCEEDED
Figure D-25. Combination One Duration Curve For
01450700, Lehigh River at Glendon, PA.



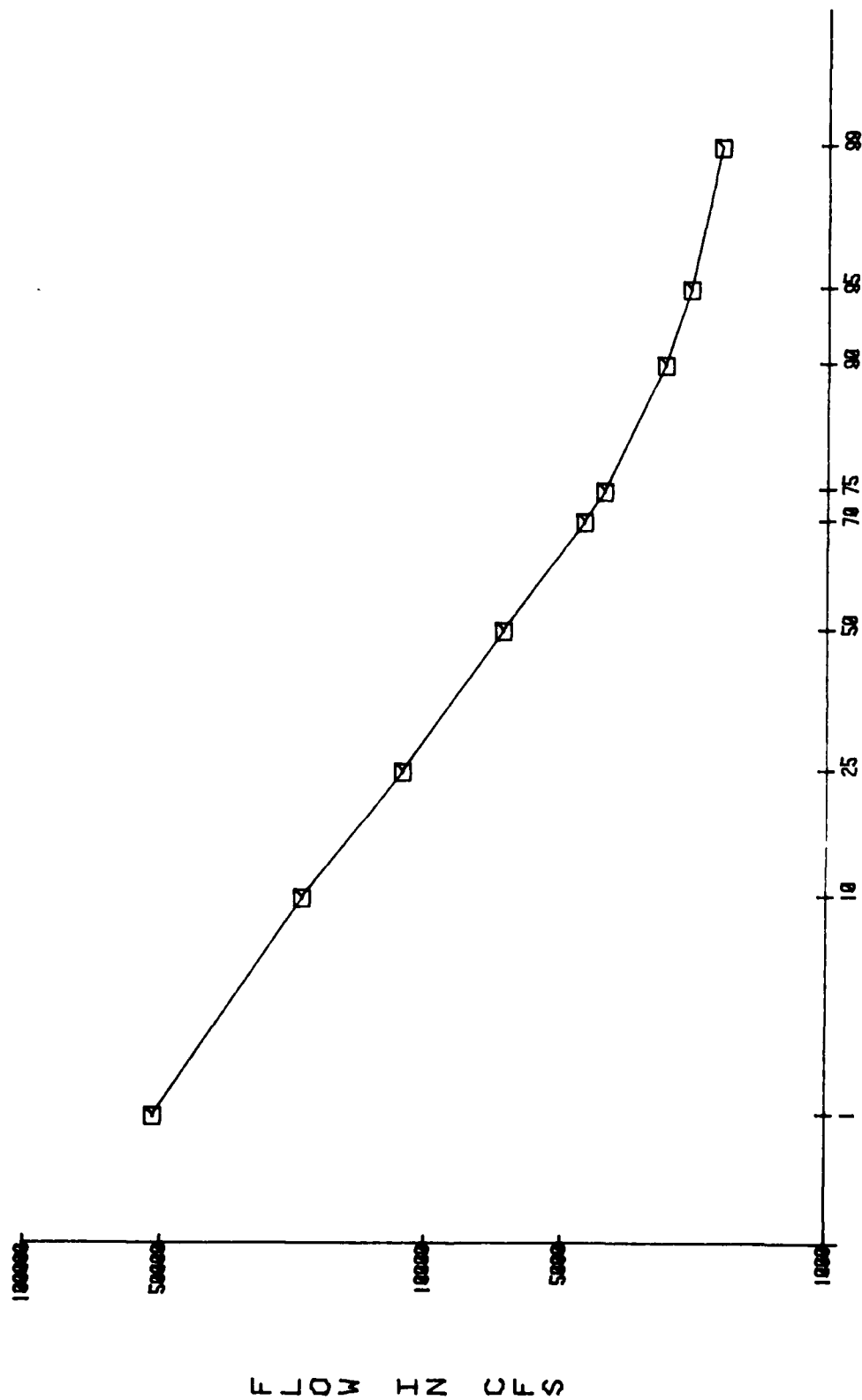
PERCENT TIME EQUALED OR EXCEEDED
Figure D-26. Combination One Duration Curve For
01456000, Musconetcong River Near
Hackettstown, N.J.



PERCENT TIME EQUALED OR EXCEEDED
Figure D-27. Combination One Duration Curve For
01457500, Delaware River at Riegelsville, N.J.

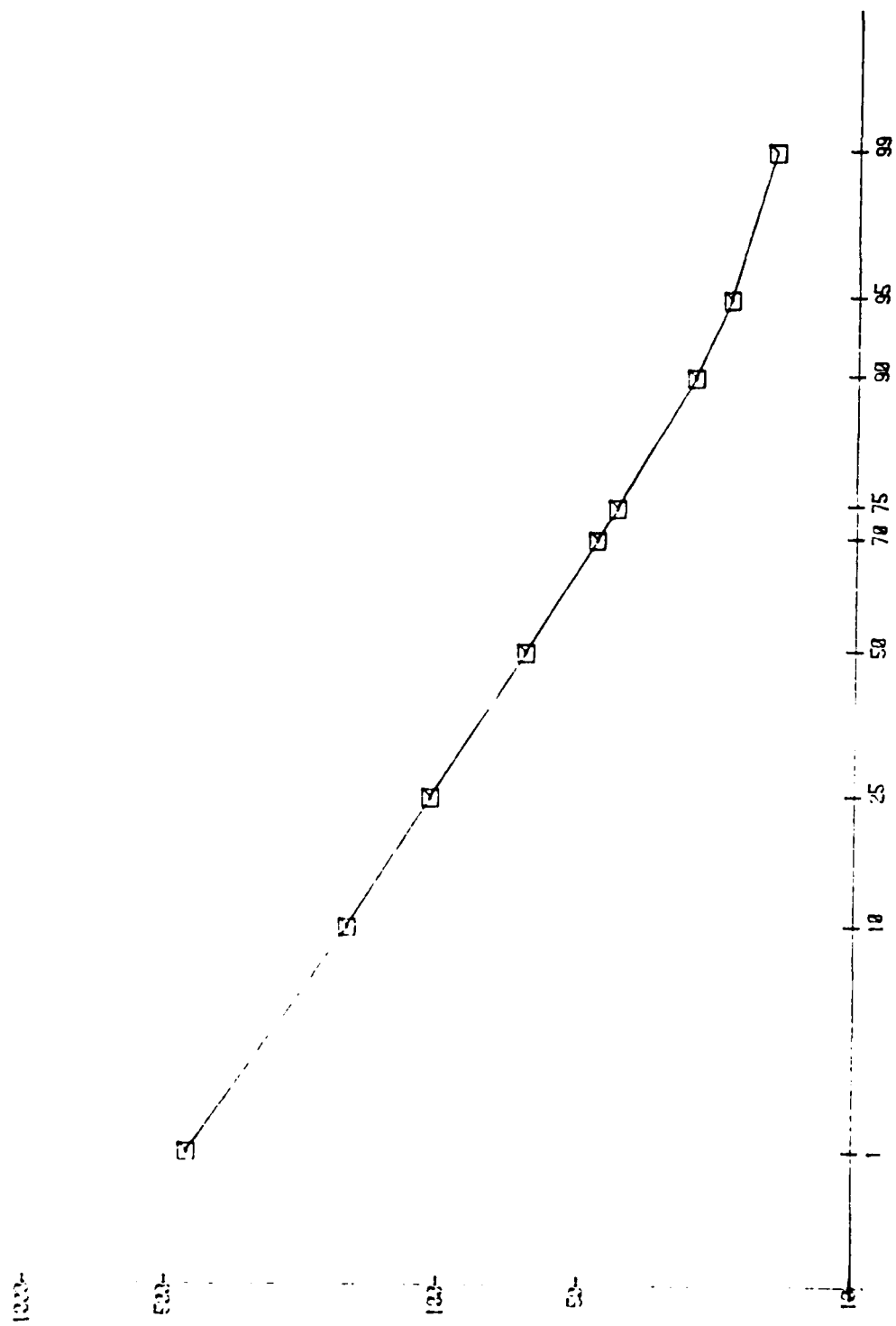


PERCENT TIME EQUALED OR EXCEEDED
Figure D-28. Combination One Duration Curve For
01459500, Tohickon Creek at Pipersville, PA.



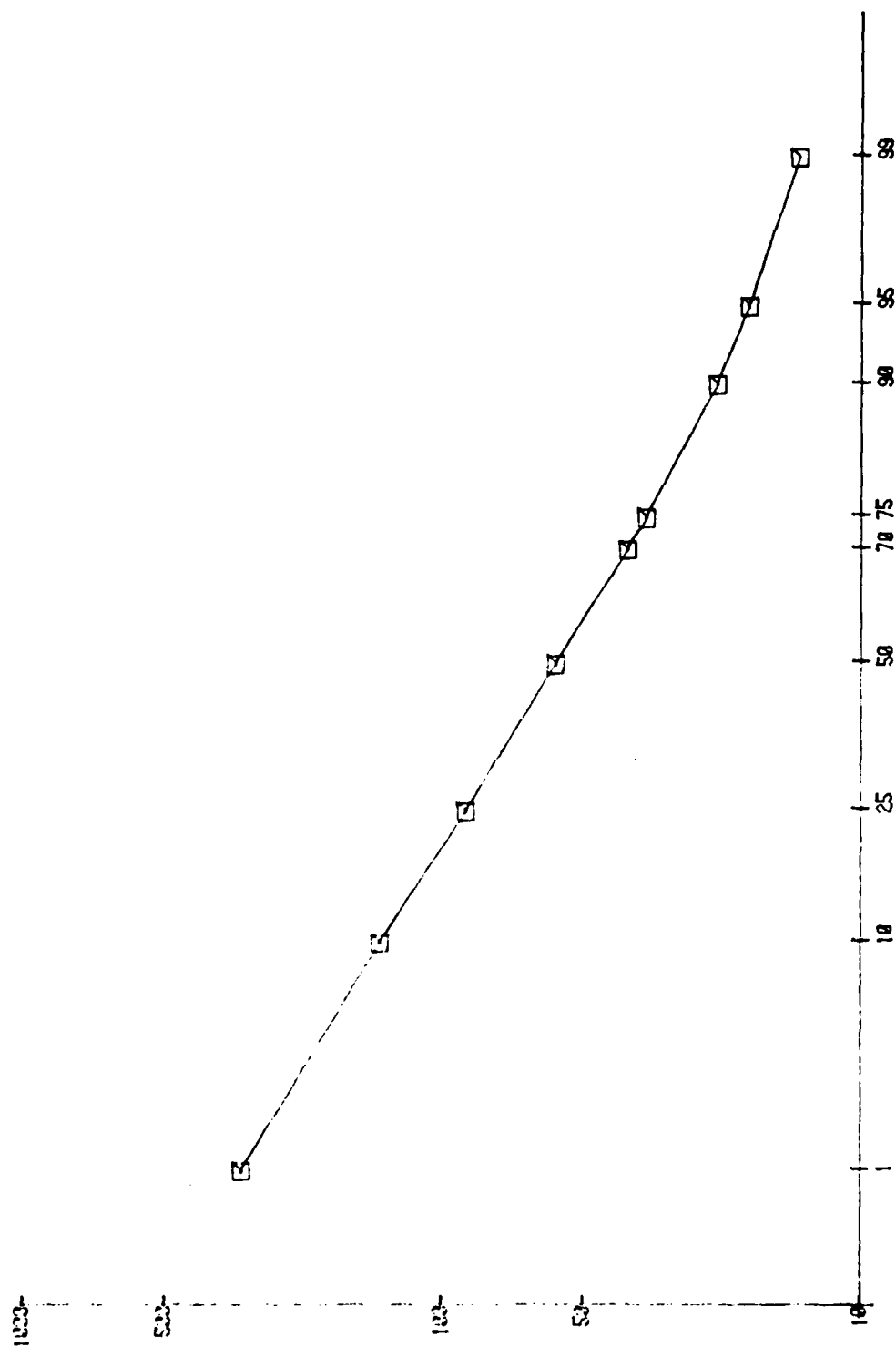
PERCENT TIME EQUALED OR EXCEEDED

Figure D-29. Combination One Duration Curve For
01463500, Delaware River at Trenton, N.J.

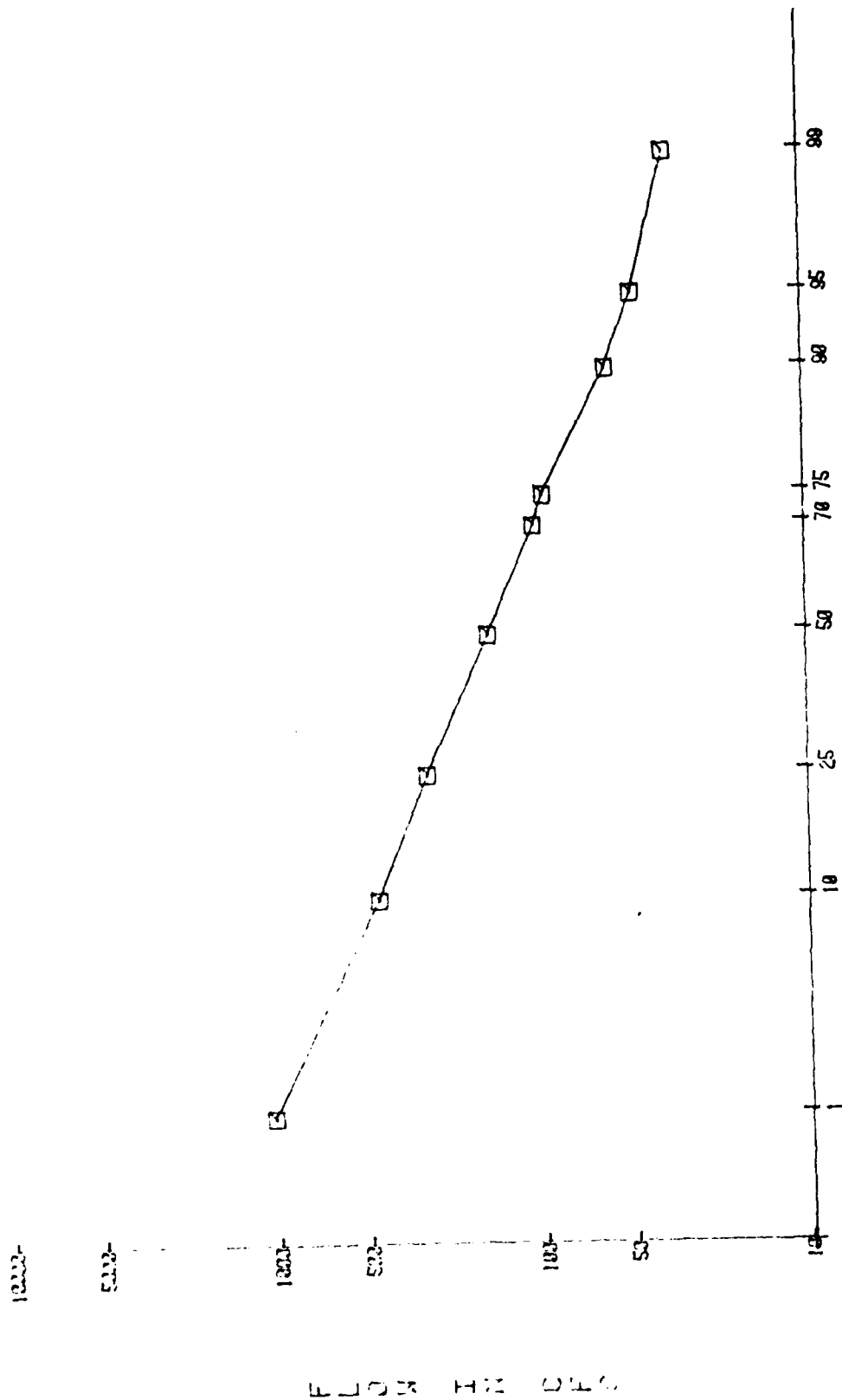


PERCENT TIME EQUALED OR EXCEEDED

Figure D-30. Combination One Duration Curve For
01467500, Schuylkill River at Pottsville, PA.

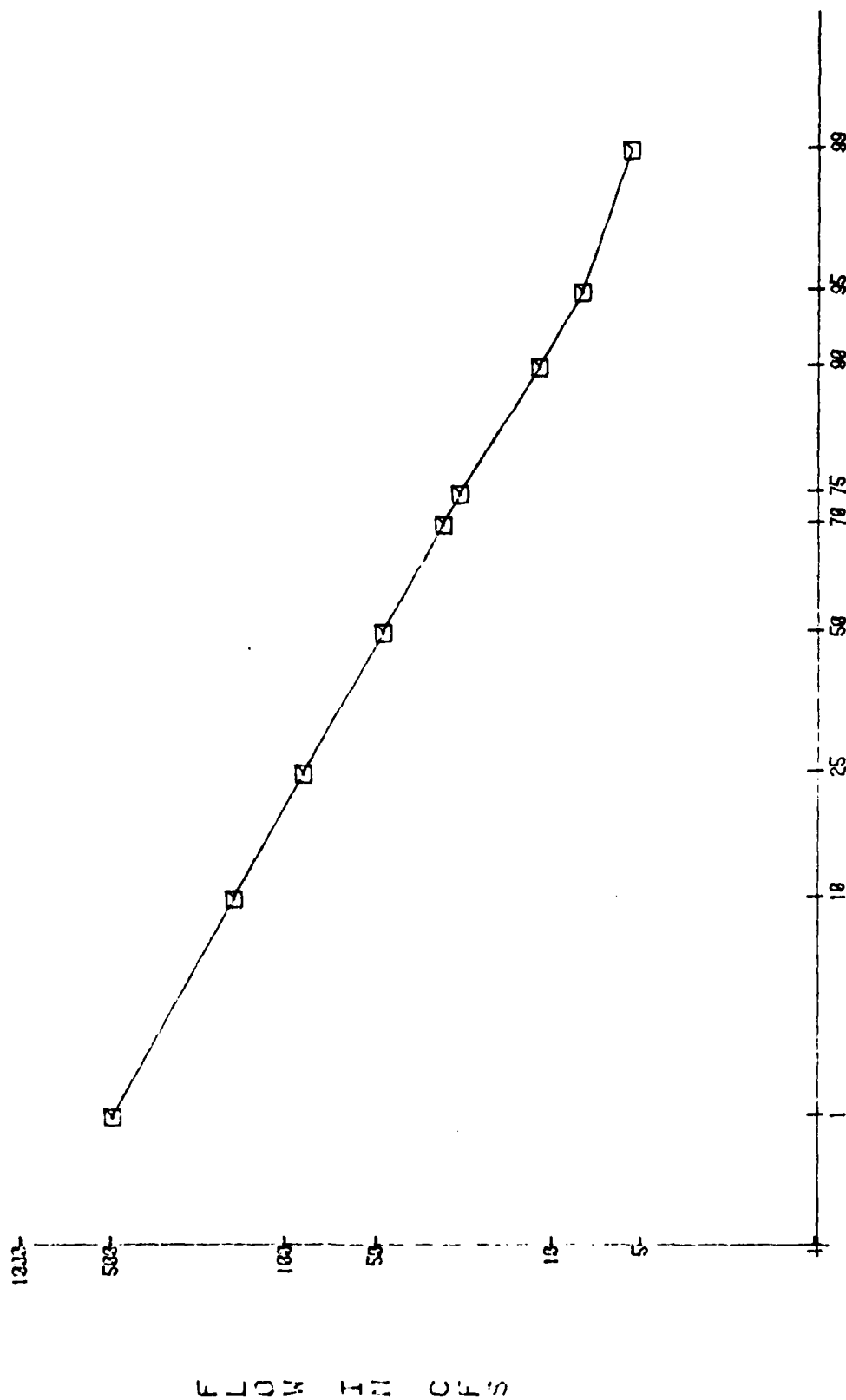


PERCENT TIME EQUALED OR EXCEEDED
 Figure D-31. Combination One Duration Curve For
 01467950, West Branch Schuylkill River
 at Cressona, PA.



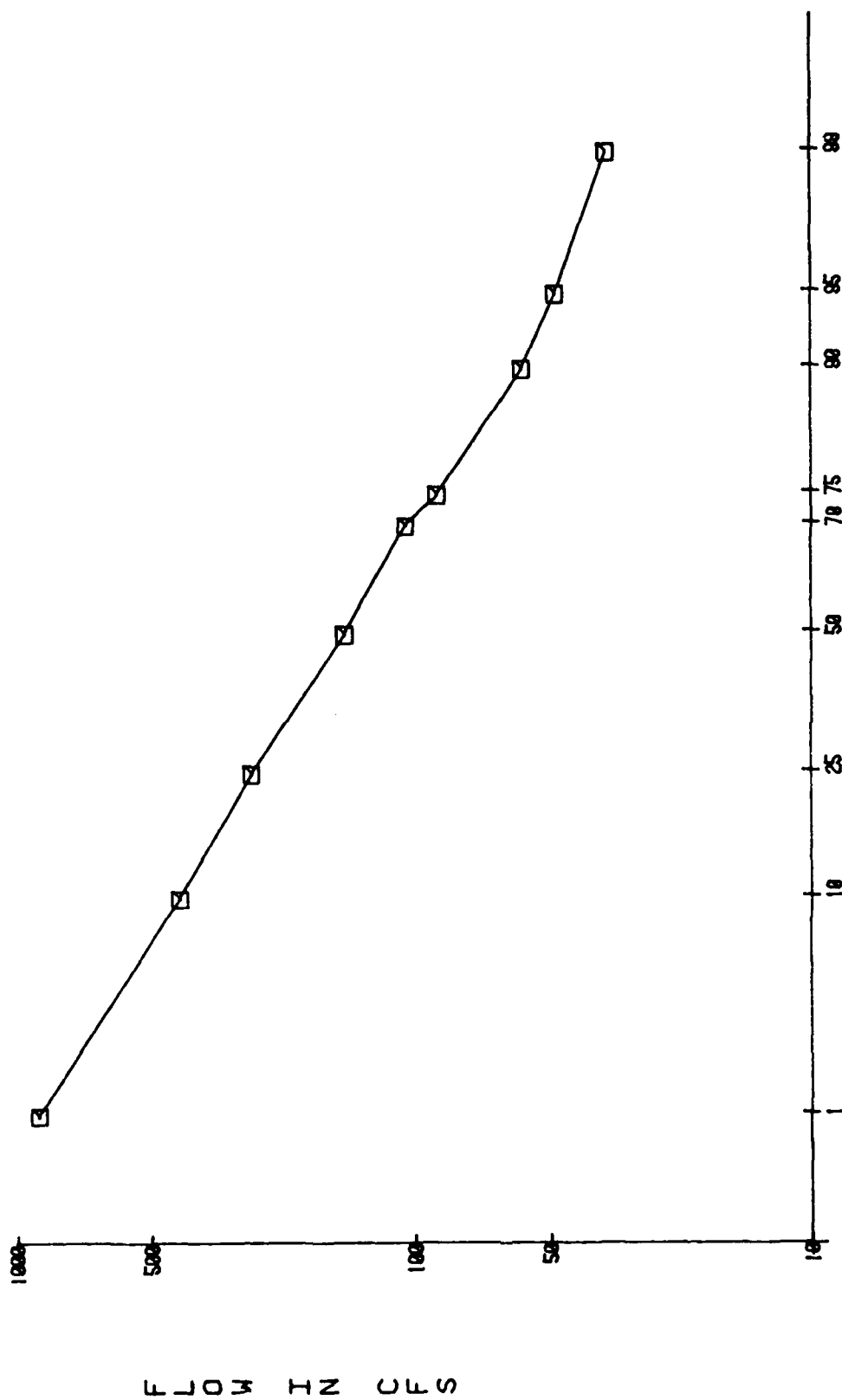
PERCENT TIME EQUALED OR EXCEEDED

Figure D-32. Combination One Duration Curve For
01468500, Schuylkill River at Landingville, PA.



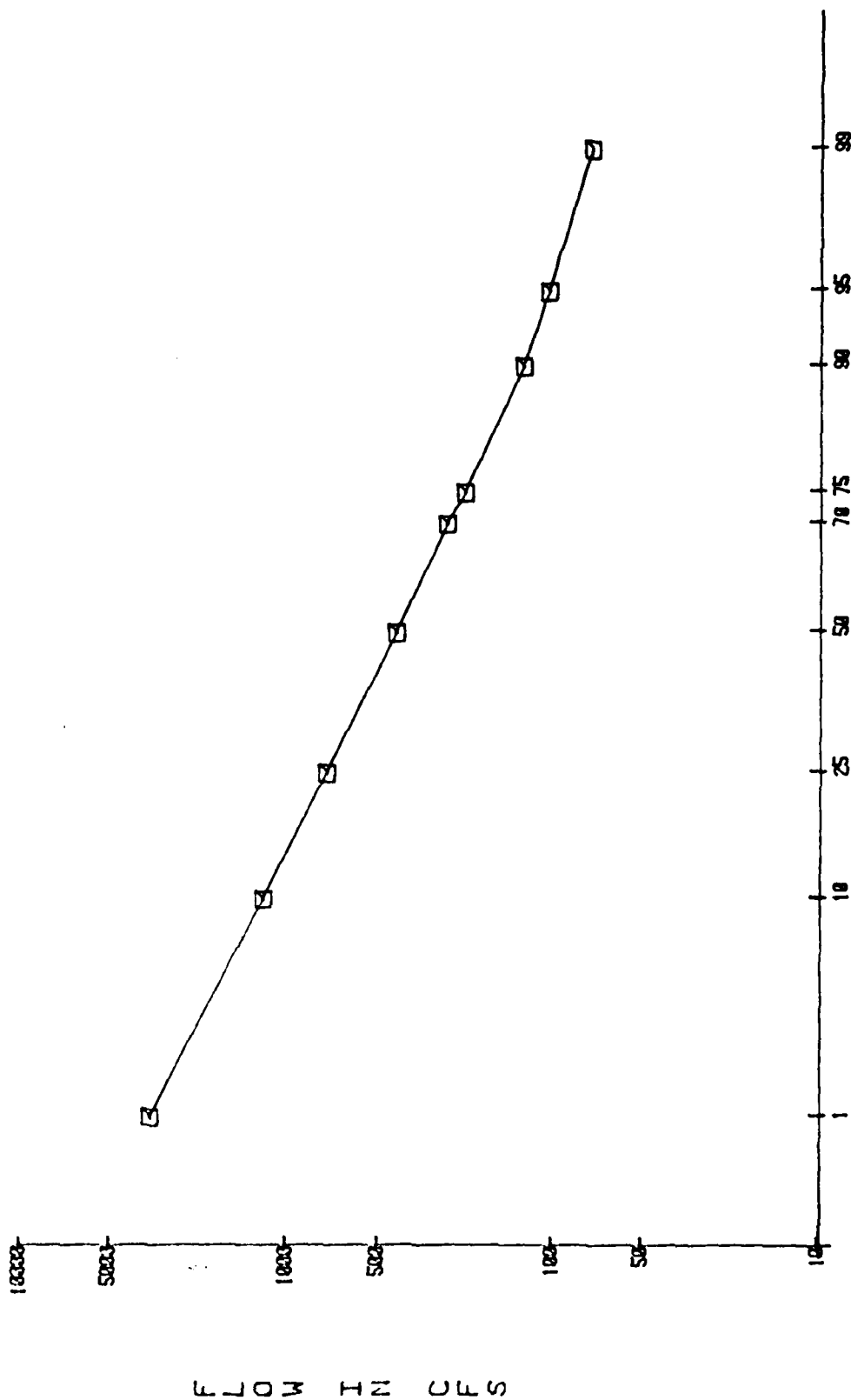
PERCENT TIME EQUALED OR EXCEEDED

Figure D-33. Combination One Duration Curve For
01469500, Little Schuylkill River at Tamaqua, PA.

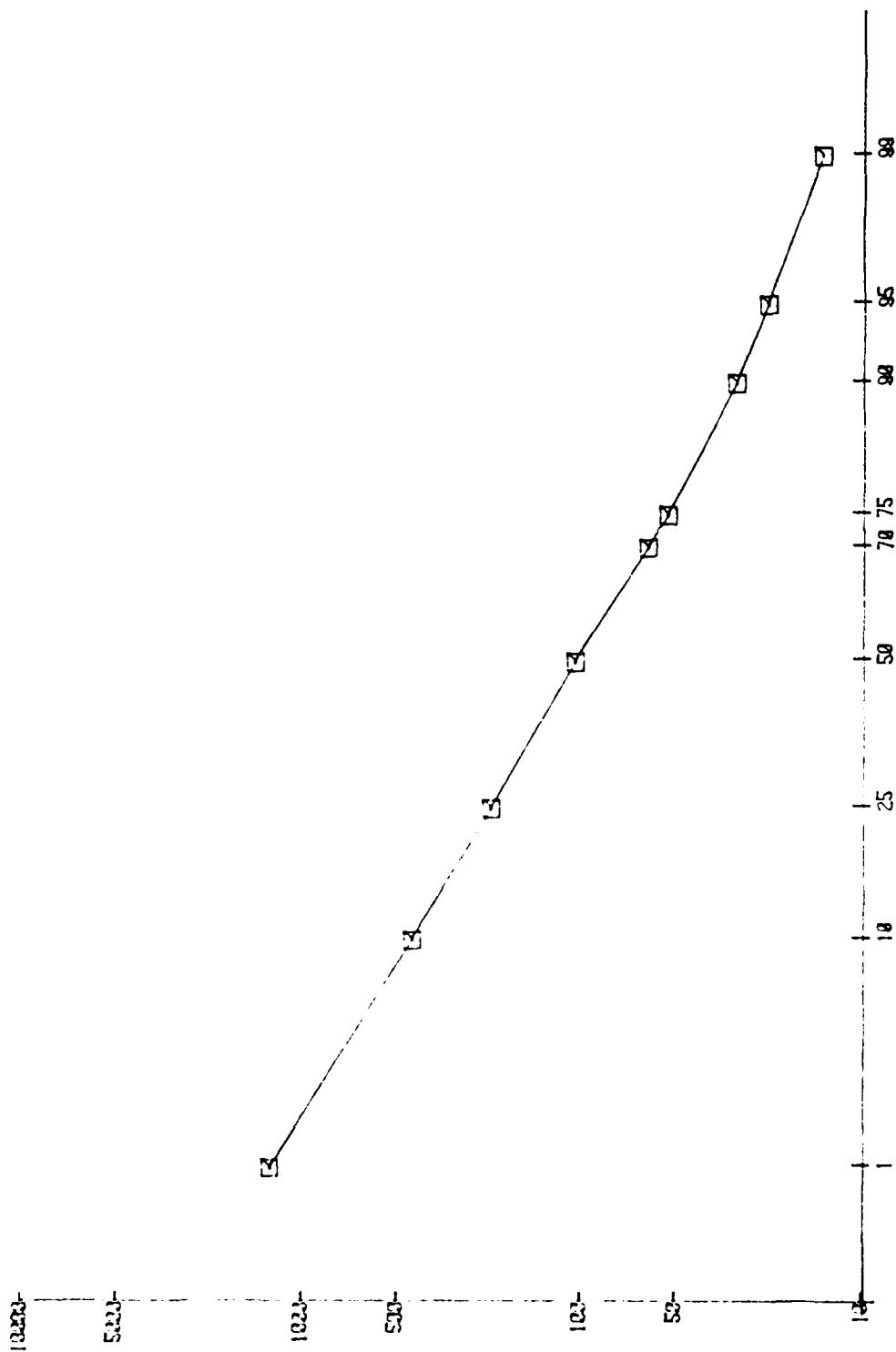


PERCENT TIME EQUALED OR EXCEEDED

Figure D-34. Combination One Duration Curve For
01470000, Little Schuylkill River at
Drehersville, PA.

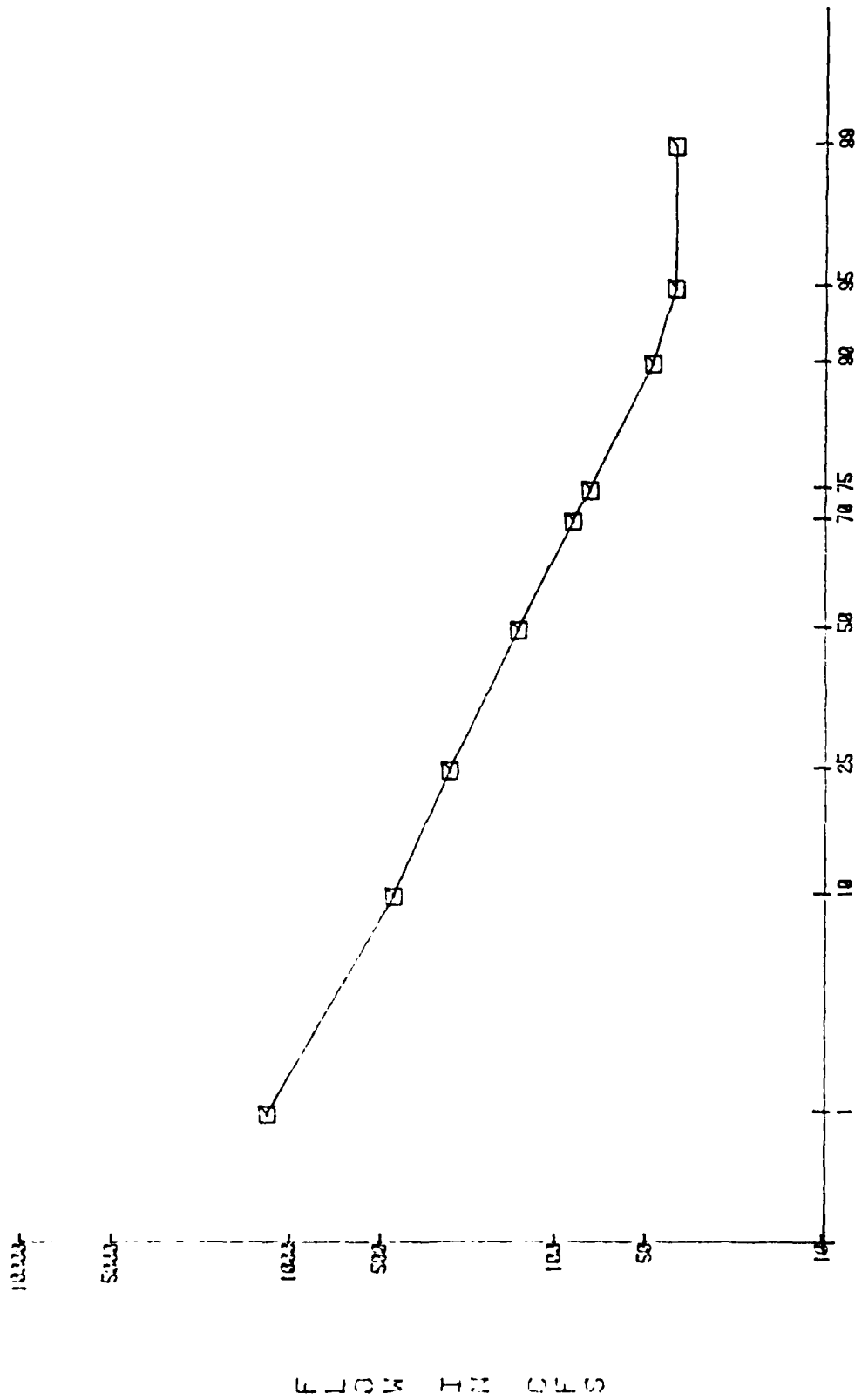


PERCENT TIME EQUALED OR EXCEEDED
 Figure D-35. Combination One Duration Curve For
 01470500, Schuylkill River at Berne, PA.



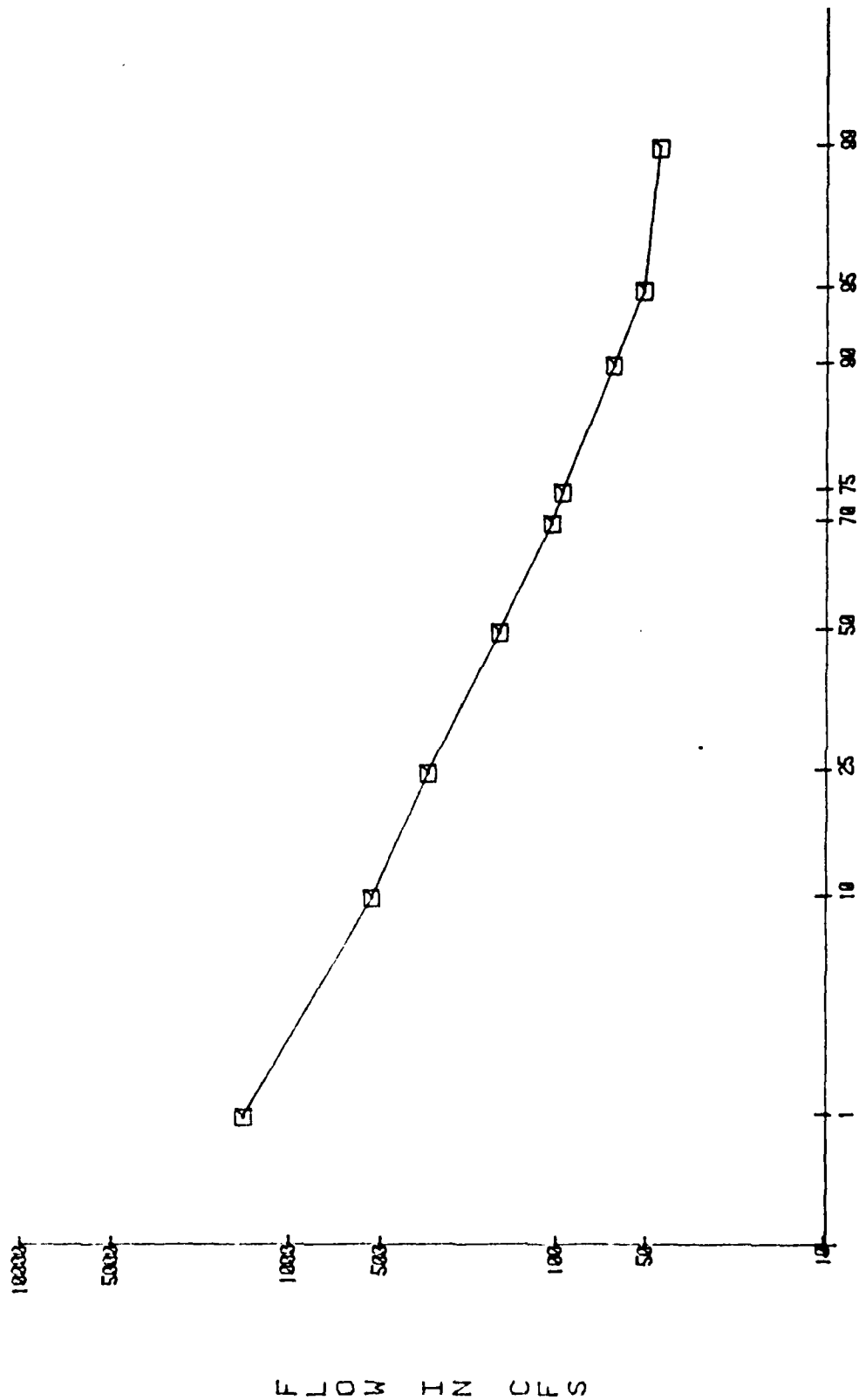
PERCENT TIME EQUALED OR EXCEEDED

Figure D-36. Combination One Duration Curve For
01470756, Maiden Creek at Virginville, PA.



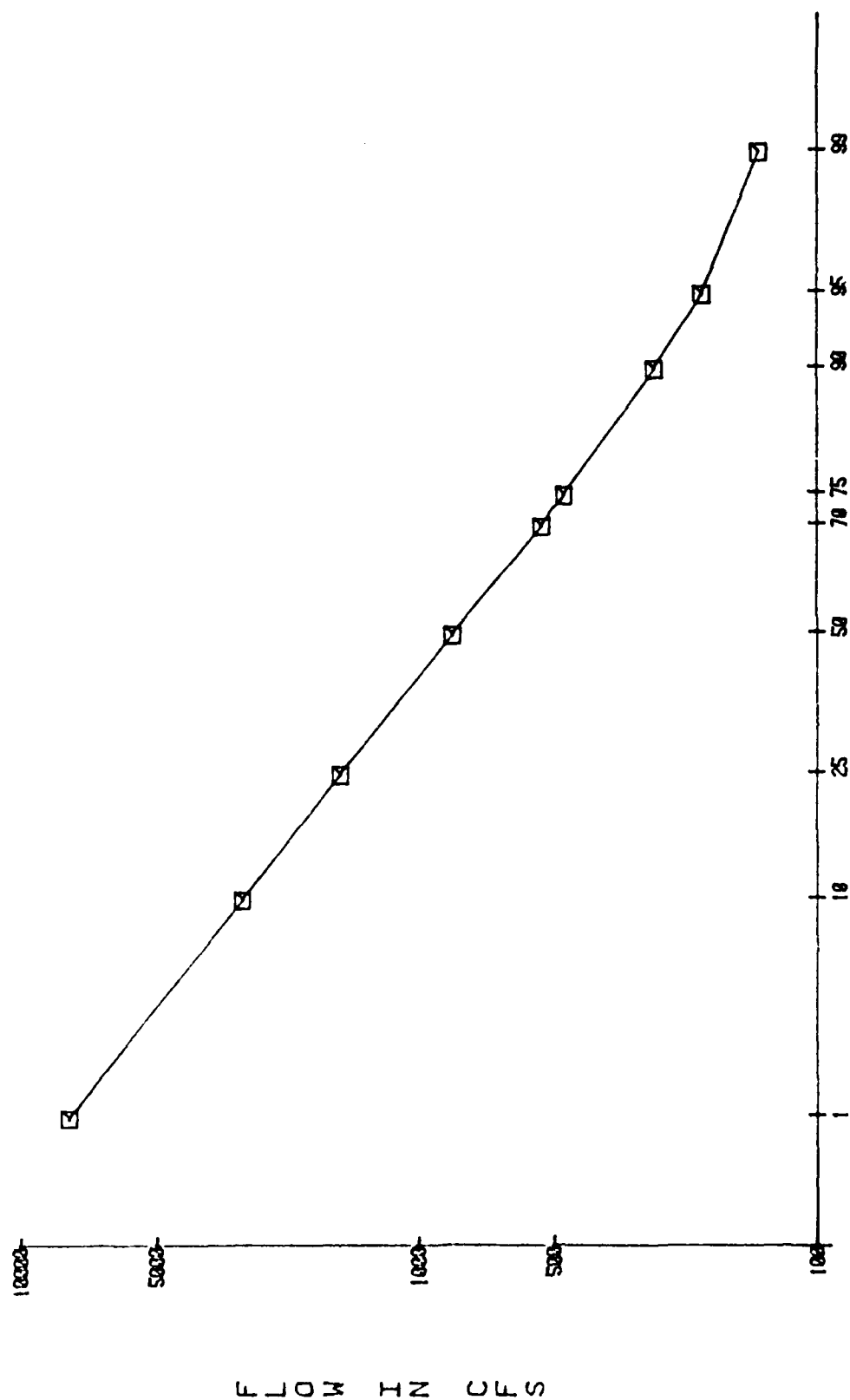
PERCENT TIME EQUALED OR EXCEEDED

Figure D-37. Combination One Duration Curve For
01470960, Tulpehocken Creek at Blue Marsh
Dam site, PA.



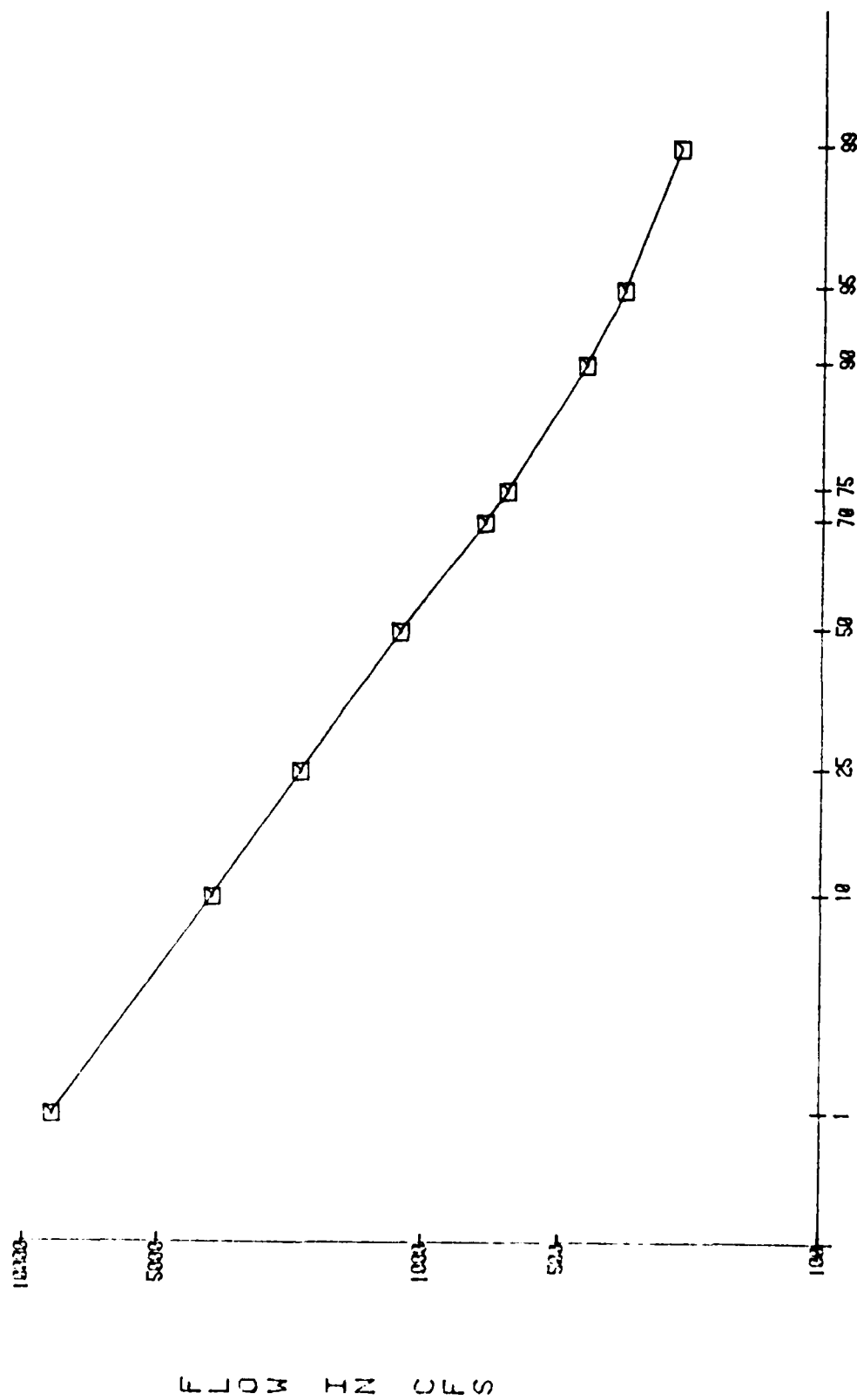
PERCENT TIME EQUALED OR EXCEEDED

Figure D-38. Combination One Duration Curve For
01471000, Tulpehocken Creek at Reading, PA.



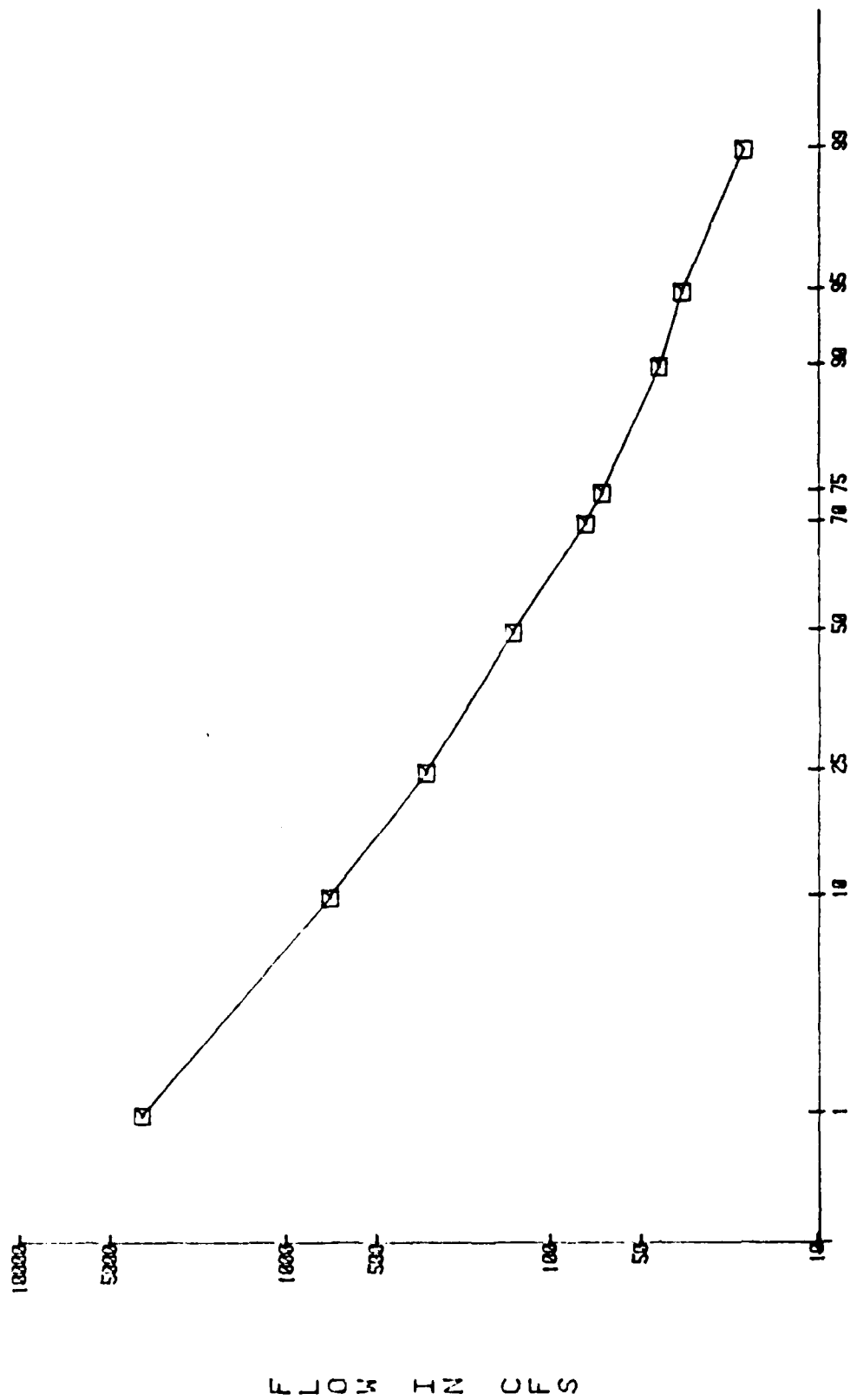
PERCENT TIME EQUALED OR EXCEEDED

Figure D-39. Combination One Duration Curve For
01471500, Schuylkill River at Reading, PA.

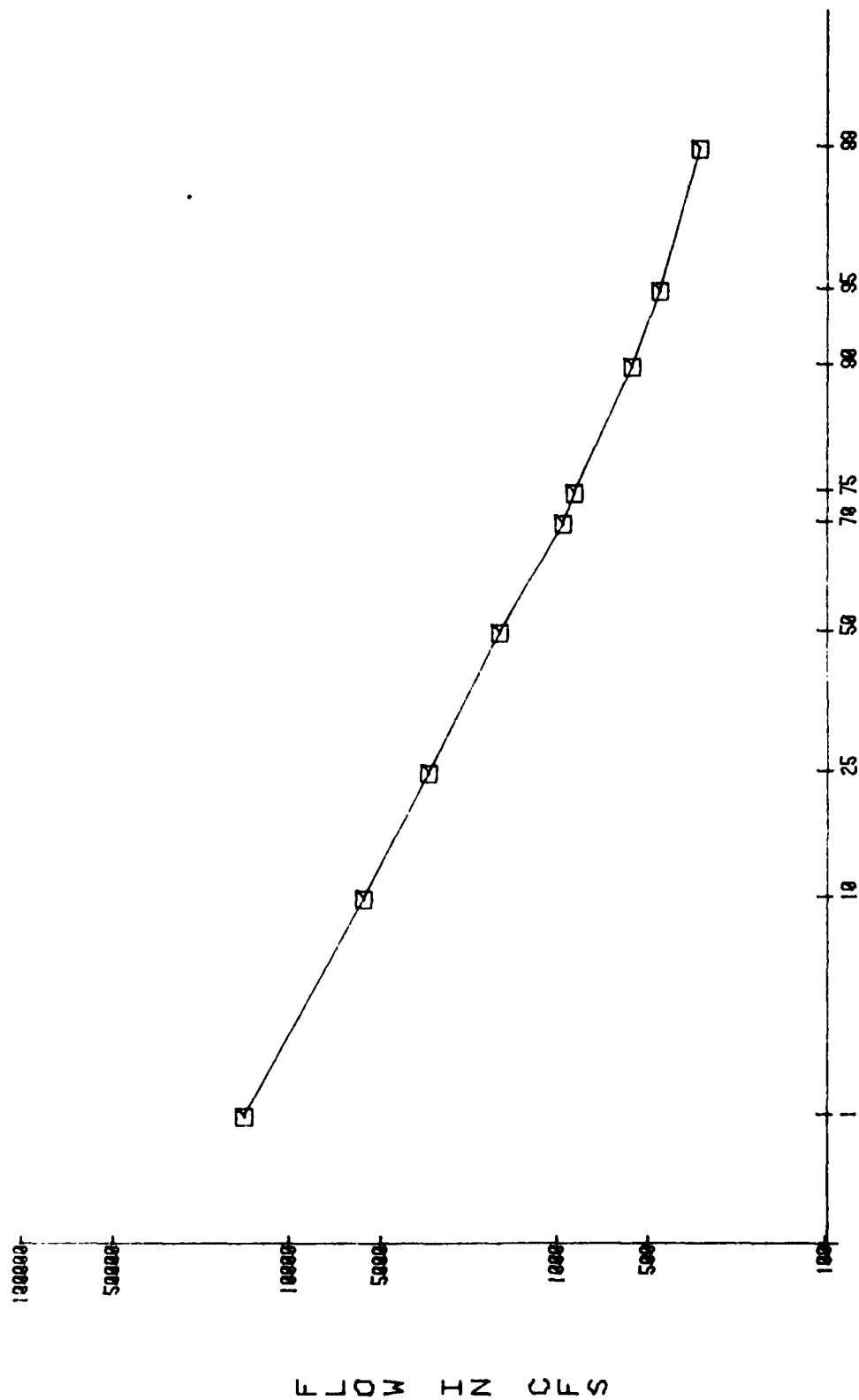


PERCENT TIME EQUALED OR EXCEEDED

Figure D-40. Combination Duration Curve For
01472000, Schuylkill River at Pottstown, PA.

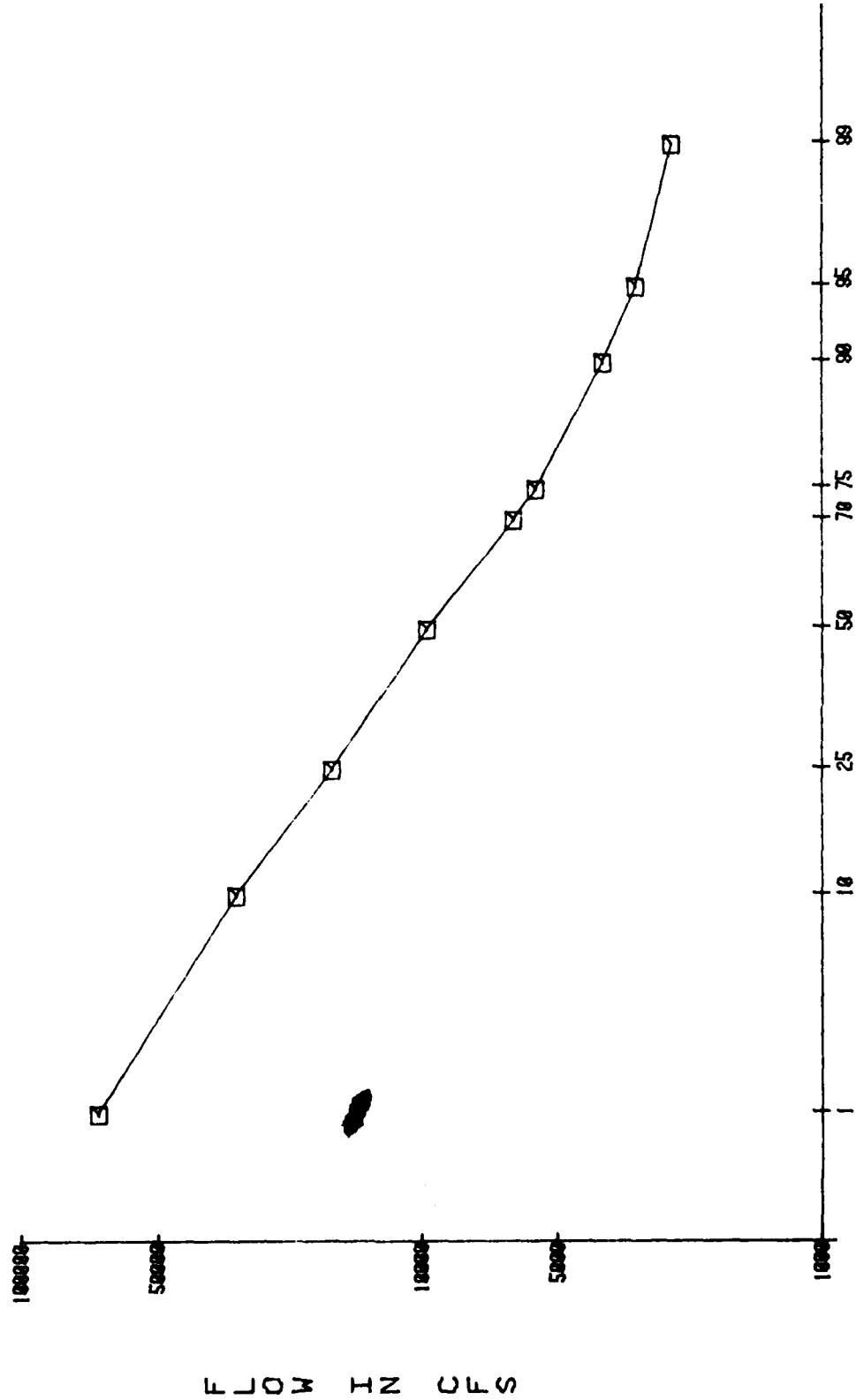


PERCENT TIME EQUALED OR EXCEEDED
 Figure D-41. Combination One Duration Curve for
 01473000, Perkionen Creek at Graterford, PA.

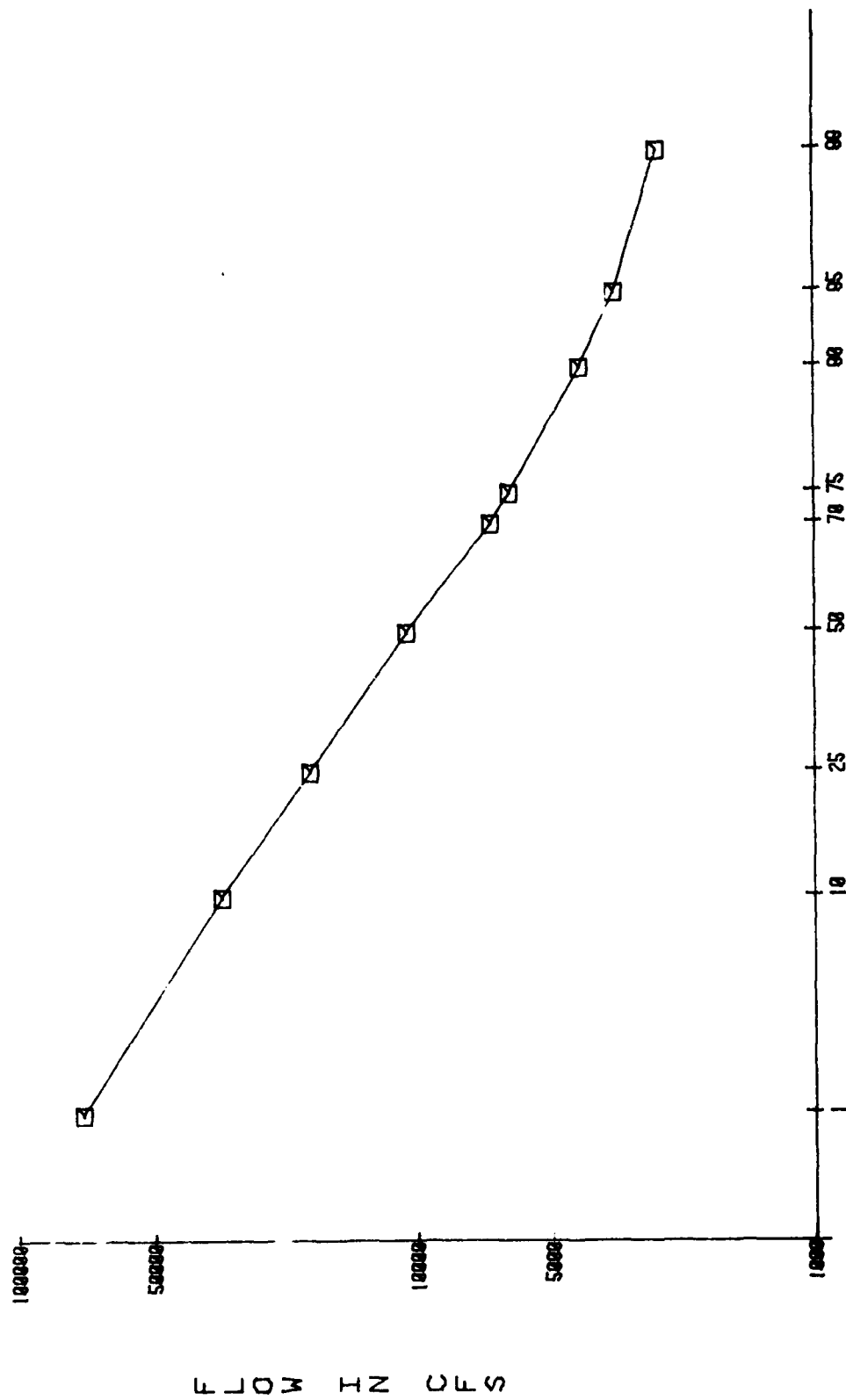


PERCENT TIME EQUALED OR EXCEEDED

Figure D-42. Combination One Duration Curve For
01474500, Schuylkill River at Philadelphia, PA.



PERCENT TIME EQUALED OR EXCEEDED
 Figure D-43. Combination One Duration Curve For
 Delaware River Below Schuylkill Confluence



PERCENT TIME EQUALED OR EXCEEDED

Figure D-44. Combination One Duration Curve For
Delaware River at Delaware Memorial Bridge

Table D-2.1 Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 0147000
East Branch Delaware River at Downsview, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	9.75	65.2
2	50.00	6.20	6.20	6.20	6.20	6.20	6.20	6.20	6.20	12.2	74.7
5	20.00	6.20	6.20	6.20	6.20	6.20	6.20	6.89	8.48	17.2	91.8
10	10.00	6.20	6.20	6.20	6.27	7.08	8.80	11.0	12.5	23.8	111
20	5.00	9.88	10.1*	10.5	10.8	12.1	15.0	18.4	19.7	35.5	139
50	2.00	24.5	25.5*	26.3	27.0	29.3	34.4	41.4	44.3	80.3	220
80	1.25	53.6	55.5*	56.4	57.2	58.6	63.9	76.2	92.7	193	354
90	1.11	76.9	78.1*	79.5	79.8	80.7*	81.8	97.6	133	313	458
96	1.04	109	110*	112*	115*	118*	120*	121	191	535	606
98	1.02	135	136*	137*	138*	139*	140*	141*	238	600*	728
99	1.01	161	185*	205*	222*	243*	265*	279*	289	730*	861

*Recalculated

Table 9-4.1. Frequency of One Low Flow Frequency Table
(Flow in cfs)

USGS Station 1421000
East Branch Delaware River at Fishs Eddy, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	21.5	40.9	110	138	171	205	247	299	575	666
2	50.00	28.4	50.3	119	149	184	218	261	312	602	704
5	20.00	41.6	66.7	132	167	205	241	284	335	647	767
10	10.00	56.4	83.7	145	184	224	264	309	361	695	830
20	5.00	78.4	107	162	206	250	295	343	400	765	919
50	2.00	130	157	201	250	304	372	431	511	942	1130
80	1.25	187	208	248	299	366	476	557	696	1210	1420
90	1.11	215	232	277	326	401	546	645	842	1390	1620
96	1.04	241	255	311	356	441	635	762	1050	1650	1860
98	1.02	256	268	335	375	467	702	853	1230	1850	2050
99	1.01	267	278	358	393	492	770	948	1430	2060	2240

Table D-2.3. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 1425000
West Branch Delaware River at Stilesville, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70	8.33	80.2
2	50.00	7.70	7.70	7.70	7.70	7.70	7.70	7.70	7.70	10.4	91.2
5	20.00	7.70	7.70	7.70	7.70	7.70	8.05	8.23	9.24	14.6	111
10	10.00	7.92	7.94	8.08	8.31	8.87	10.3	10.5	11.7	20.1	132
20	5.00	11.3	11.4	11.5	12.0	12.8	14.1	14.5	16.3	30.3	162
50	2.00	20.8	21.0	21.2	22.0	23.3	25.7	28.6	34.2	70.8	245
80	1.25	35.0	35.3	35.4	36.4	37.6	47.8	62.3	84.6	181	371
90	1.11	44.3	44.7	44.9*	45.6	46.3	66.5	97.3	146	306	462
96	1.04	55.6	56.1	56.2*	56.3	72.1*	95.2	161	275	551	585
98	1.02	63.6	66.2*	70.0*	72.2*	75.9*	120	228	428	600*	683
99	1.01	71.1	86.0*	100*	114*	131*	149	314	650	700*	785

*Recalculated

Table D-2.4. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 1426500
West Branch Delaware River at Hale Eddy, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	7.70	10.8	22.3	33.8	64.5	82.2	89.3	119	196	235
2	50.00	7.70	14.3	26.3	38.5	68.5	90.2	100	128	205	253
5	20.00	9.68	20.8	32.9	46.2	75.1	103	118	144	222	283
10	10.00	14.6	27.7	40.0	53.8	81.8	117	137	161	241	314
20	5.00	22.7	37.3	48.4	63.7	90.9	135	162	185	269	358
50	2.00	44.2	56.5	66.9	84.3	113	177	219	249	347	470
80	1.25	70.4	72.1	86.0	106	141	230	290	346	475	635
90	1.11	83.7	87.5*	95.4	117	160	263	332	416	575	751
96	1.04	96.2	99.9*	105	129	184	303	382	512	719	905
98	1.02	103	107*	110	136	201	332	417	589	840	1030
99	1.01	108	111*	115	142	219	360	450	670	974	1150

*Recalculated

Table D-2.5. Combination One Low Flow Frequency Table

(Flow in cfs)

USGS Station 1427405
Delaware River at Callicoon, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	149	219	316	366	414	534	613	727	1070	1230
2	50.00	167	237	332	387	444	561	640	745	1130	1310
5	20.00	194	265	359	419	490	605	686	780	1240	1440
10	10.00	221	293	385	449	532	648	733	821	1340	1570
20	5.00	256	328	419	487	585	708	799	887	1490	1750
50	2.00	328	402	495	567	691	845	962	1080	1840	2180
80	1.25	405	484	585	656	800	1020	1190	1420	2350	2750
90	1.11	446	529	640	705	857	1140	1350	1690	2690	3120
96	1.04	490	580	705	761	917	1280	1560	2100	3130	3590
98	1.02	517	613	750	798	955	1380	1710	2440	3470	3940
99	1.01	541	644	794	832	989	1480	1880	2830	3810	4290

Table D-2.6. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 014285000
Delaware River near Barryville, N.Y.

Probability (Percent)	Recurrence Interval (Years)	1	3	7	14	30	60	90	120	183	365
1	100.00	160*	230	366	431	496	630	716	810	1280	1530
2	50.00	175*	256	389	457	530	656	743	834	1370	1630
5	20.00	208*	296	424	498	563	700	790	881	1500	1800
10	10.00	270*	335	457	536	632	745	841	935	1650	1970
20	5.00	300*	384	501	583	694	809	915	1020	1840	2200
50	2.00	368	482	594	681	815	970	1110	1270	2310	2730
80	1.25	479	581	700	784	940	1200	1410	1720	2940	3420
90	1.11	530	631	761	840	1010	1360	1630	2090	3350	3860
96	1.04	576	682	831	901	1070	1570	1930	2640	3870	4400
98	1.02	602	713	879	940	1120	1730	2170	3110	4260	4800
99	1.01	622	740	923	976	1160	1900	2420	3650	4650	5190

*Recalculated

Table D-2.7. Combination One Low Flow Frequency Table

(Flow in cfs)

USGS Station 01429000
Lackawaxen River at Prompton, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	3.92	4.25	4.76	5.26	5.82	6.34	7.68	9.56	40.4	50.5
2	50.00	4.30	4.62	5.14	5.68	6.31	7.07	8.75	11.2	43.6	55.0
5	20.00	4.96	5.27	5.81	6.43	7.20	8.41	10.7	14.1	48.8	62.2
10	10.00	5.65	5.95	6.52	7.24	8.17	9.88	12.8	17.3	54.1	69.1
20	5.00	6.64	6.95	7.58	8.43	9.66	12.1	16.1	22.1	61.4	78.3
50	2.00	9.15	9.56	10.4	11.6	13.9	18.6	25.5	34.9	78.4	98.1
80	1.25	12.8	13.6	14.9	16.8	21.3	29.8	41.6	54.4	101	121
90	1.11	15.4	16.5	18.3	20.7	27.2	38.7	54.3	68.3	115	134
96	1.04	18.4	20.5	23.1	26.0	36.1	52.0	72.8	86.7	134	149
98	1.02	21.5	23.7	27.1	30.9	43.9	63.4	88.5	101	147	160
99	1.01	24.3	27.2	31.4	35.9	52.7	76.2	106	116	160	169

Table D-2.8. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01429500
Dyberry Creek Near Honesdale, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1.67	1.91	2.40	2.80	3.24	3.63	4.89	6.74	37.1	46.8
2	50.00	1.95	2.18	2.68	3.09	3.58	4.17	5.64	8.01	40.4	51.6
5	20.00	2.46	2.67	3.17	3.60	4.21	5.18	7.06	10.4	45.9	59.3
10	10.00	3.00	3.20	3.71	4.18	4.93	6.33	8.71	13.1	51.4	66.8
20	5.00	3.80	3.98	4.52	5.06	6.06	8.16	11.4	17.3	59.0	76.8
50	2.00	5.86	6.06	6.76	7.61	9.49	13.7	20.0	29.5	77.0	98.2
80	1.25	8.81	9.28	10.5	12.1	16.0	24.3	37.1	50.4	101	123
90	1.11	10.8	11.6	13.3	15.8	21.7	33.3	52.7	66.8	116	137
96	1.04	13.3	14.8	17.4	21.8	30.8	47.5	78.0	90.0	135	152
98	1.02	15.2	17.3	20.8	26.3	39.1	60.1	102	109	148	163
99	1.01	17.1	19.9	24.5	31.8	48.9	74.8	130	130	162	172

Table D-2.9. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01430000
Lackawaxen River at Honesdale, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	7.69	8.61	9.02	9.53	11.1	12.5	16.5	21.8	105	130
2	50.00	8.64	9.54	10.1	10.6	12.5	14.4	19.2	26.0	114	143
5	20.00	10.3	11.2	11.9	12.9	15.0	18.0	24.2	33.5	129	163
10	10.00	12.1	12.9	13.9	15.2	17.7	22.1	29.3	42.0	143	183
20	5.00	14.6	15.5	16.8	18.6	22.0	28.4	38.7	54.8	164	209
50	2.00	21.2	22.3	24.6	27.7	33.7	46.6	64.6	90.2	211	264
80	1.25	31.0	33.0	36.8	41.6	53.4	78.3	110	146	272	327
90	1.11	37.8	40.8	45.9	51.7	68.8	104	148	186	310	362
96	1.04	46.9	51.6	58.5	65.5	90.9	141	202	240	357	402
98	1.02	53.9	60.4	68.6	76.5	109	172	249	282	392	428
99	1.01	61.2	69.7	79.5	88.0	130	207	301	326	425	452

Table D-2.10. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01431500
Lackawaxen River at Hawley, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	9.31	14.0	15.1	16.5	19.1	20.2	27.0	35.7	178	220
2	50.00	11.1	15.4	16.7	18.4	21.3	23.5	31.4	42.3	193	243
5	20.00	14.2	18.0	19.6	21.7	25.3	29.6	39.7	54.7	220	281
10	10.00	17.6	20.8	22.7	25.3	29.7	36.6	49.1	68.6	246	318
20	5.00	22.6	25.0	27.4	30.7	36.5	47.5	64.0	90.1	282	367
50	2.00	35.4	36.7	40.4	45.5	56.0	79.5	109	151	368	471
80	1.25	53.6	55.8	62.0	69.7	90.2	136	190	253	480	589
90	1.11	65.7	70.7	78.8	88.3	118	182	258	330	553	655
96	1.04	80.6	92.0	103	115	160	251	361	439	643	729
98	1.02	91.6	110	123	137	196	309	450	526	709	777
99	1.01	102	129	146	161	236	374	551	620	775	821

Table D-2.11. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01434000
Delaware River at Port Jervis, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	524	874	1090	1220	1300*	1320	1330*	1340*	2070	2380
2	50.00	569	903	1110	1230*	1310	1330	1340*	1350*	2210	2560
5	20.00	641	949	1130	1240	1320	1350	1360	1440	2440	2860
10	10.00	707	991	1160	1250	1330	1380	1430	1540	2670	3160
20	5.00	790	1040	1190	1280	1360	1430	1540	1700	2990	3550
50	2.00	953	1160	1300	1380	1470	1630	1860	2160	3740	4430
80	1.25	1120	1280	1440	1540	1700	2040	2410	2940	4740	5520
90	1.11	1200	1350	1540	1670	1900	2380	2840	3560	5400	6190
96	1.04	1280	1430	1670	1840	2210	2910	3470	4480	6230	6990
98	1.02	1330	1480	1770	1980	2470	3380	4000	5260	6840	7550
99	1.01	1380	1530	1870	2130	2770	3920	4590	6150	7460	8090

*Recalculated

Table D-2.i2. Combination One Low Flow Frequency Table

(Flow in cfs)

USGS Station 01436000
Neversink River at Neversink, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	6.80	28.6
2	50.00	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	8.35	31.5
5	20.00	4.60	4.60	4.60	4.60	4.60	4.60	5.07	5.67	11.2	36.3
10	10.00	4.94	4.95	5.06	5.17	5.39	6.50	7.35	8.15	14.5	41.0
20	5.00	7.41	7.46	7.59	7.82	8.13	9.77	11.0	12.1	19.4	47.4
50	2.00	14.8	15.0	15.1	15.6	16.2	18.7	20.4	22.8	32.6	61.9
80	1.25	26.7	27.0	27.4*	27.7	28.3	30.3	32.0	37.0	51.9	79.5
90	1.11	34.9	35.3	35.5*	35.6	36.2	36.8	38.2	45.1	64.9	90.1
96	1.04	45.2	45.7	48.5*	50.0*	51.0*	52.0*	52.9*	53.7	81.2	103
98	1.02	52.7	53.1	54.5*	56.0*	57.0*	58.0*	58.5*	59.0	93.0	111
99	1.01	59.8	60.3	61.0*	61.5*	62.0*	62.5*	63.0*	63.5	105	119

*Recalculated

Table D-2.13. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01437000
Neversink River at Oakland Valley, N.Y.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	5.33	13.4	18.7	36.5	54.4	76.2	87.3	103	155	172
2	50.00	7.30	16.3	22.0	39.2	57.0	78.2	89.6	105	160	180
5	20.00	11.3	21.4	27.8	43.7	61.4	82.2	94.1	109	169	193
10	10.00	16.0	26.9	33.8	48.3	66.0	86.7	99.1	114	179	206
20	5.00	23.5	34.9	42.2	54.7	72.8	93.8	107	123	194	225
50	2.00	43.2	54.3	61.6	70.6	90.2	114	130	150	235	275
80	1.25	68.1	79.0	85.3	92.8	116	150	169	199	299	347
90	1.11	81.8	93.8	99.0	108	135	178	200	241	347	398
96	1.04	96.0	111	114	128	161	219	245	304	414	467
98	1.02	105	122	124	143	181	254	283	359	469	521
99	1.01	112	132	134	158	203	293	326	423	528	577

Table D-2.14. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01438500
Delaware River at Montague, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	940*	1300	1490	1560	1590*	1600*	1610*	1650*	2400	2710
2	50.00	1040*	1340	1500	1570	1600	1610*	1620*	1680*	2560	2930
5	20.00	1180*	1400	1510	1580*	1610*	1620*	1630*	1700*	2830	3290
10	10.00	1290	1450	1530	1590*	1620*	1630*	1660	1780	3100	3640
20	5.00	1340	1510	1570	1600	1630	1680	1790	1970	3470	4120
50	2.00	1440	1600	1650	1680	1730	1900	2160	2510	4350	5170
80	1.25	1510	1680	1790	1840	1990	2370	2810	3430	5510	6440
90	1.11	1550	1710	1880	1980	2220	2780	3330	4160	6270	7210
96	1.04	1580	1740	2000	2170	2590	3420	4080	5230	7220	8120
98	1.02	1600	1760	2090	2330	2910	3990	4720	6140	7930	8750
99	1.01	1620	1770	2180	2500	3280	4660	5430	7160	8640	9360

*Recalculated

Table D-2.15. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01440200
Delaware River Below Tocks Island Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	951	1360	1620*	1660*	1680*	1690*	1720*	1820*	2580	2970
2	50.00	1050	1410	1630*	1670	1690*	1700*	1730*	1840*	2780	3230
5	20.00	1200	1470	1640	1680	1700	1710*	1750*	1860*	3100	3650
10	10.00	1320	1530	1650	1680	1710	1720	1760	1910	3420	4060
20	5.00	1450	1600	1670	1700	1730	1800	1920	2150	3860	4600
50	2.00	1620	1720	1750	1790	1860	2070	2390	2800	4880	5800
80	1.25	1680*	1830	1930	2000	2180	2640	3170	3880	6210	7240
90	1.11	1690*	1880	2070	2190	2480	3140	3790	4720	7050	8080
96	1.04	1700	1930	2280	2460	2970	3930	4680	5950	8100	9070
98	1.02	1710	1960	2460	2700	3400	4640	5440	6980	8860	9750
99	1.01	1720*	1980	2640	2960	3900	5470	6280	8140	9610	10400

*Recalculated

Table D-2.16. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01446500
Delaware River at Belvidere, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1150	1360	1650	1710	1770	1790*	1860*	1890*	2930	3420
2	50.00	1220	1410	1660	1720*	1780*	1820*	1880*	1910*	3180	3740
5	20.00	1320	1490	1680	1730	1790	1830*	1890*	1940	3590	4280
10	10.00	1410	1570	1710	1750	1810	1850	1920	2140	4000	4790
20	5.00	1520	1660	1750	1800	1860	1970	2140	2450	4550	5480
50	2.00	1730	1860	1910	1960	2070	2370	2770	3300	5840	6980
80	1.25	1930	2080	2180	2280	2560	3150	3800	4680	7480	8730
90	1.11	2040	2200	2400	2550	3000	3810	4590	5740	8520	9750
96	1.04	2140	2330	2710	2950	3690	4830	5730	7260	9780	10900
98	1.02	2200	2420	2960	3290	4320	5740	6690	8540	10700	11700
99	1.01	2260	2500	3230	3670	5060	6810	7740	9940	11600	12400

*Recalculated

Table D-2.17. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01447800
Lehigh River at White Haven, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	12.2	31.7	40.0	41.2	41.3	50.2	62.7	86.6	223	301
2	50.00	18.2	36.5	43.9	45.7	47.7	57.4	72.2	98.9	245	329
5	20.00	30.4	44.5	50.5	53.4	58.6	70.3	89.3	121	281	374
10	10.00	44.1	52.5	57.3	61.4	70.0	84.4	108	144	317	418
20	5.00	62.3	63.1	66.7	72.6	85.9	105	135	179	365	474
50	2.00	91.3	86.0	89.3	99.9	124	162	210	271	477	592
80	1.25	103	111	120	138	172	251	326	411	618	723
90	1.11	104*	124	140	163	202	317	410	511	705	795
96	1.04	105	138	165	194	238	406	524	647	809	874
98	1.02	106*	147	184	218	263	478	615	753	884	926
99	1.01	107*	155	203	241	286	554	709	863	955	974

*Recalculated

Table D-2.18. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01449800
Pohopoco Creek at Beltzville Damsite, PA.

Probability (Percent)	Recurrence Interval (Years)	1	3	7	14	30	60	90	120	183	365
1	100.00	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	67.8
2	50.00	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	42.1	75.5
5	20.00	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.2	55.2	87.9
10	10.00	35.0	35.0	35.0	35.0	35.0	35.0	36.7	41.7	68.6	99.9
20	5.00	35.0	35.0	35.0	35.0	35.0	37.0	43.0	51.2	86.6	116
50	2.00	35.0	35.5	35.7	36.7	40.7	47.8	60.5	75.5	124	149
80	1.25	37.1	38.6	40.2	42.5	49.9	67.8	89.4	111	159	184
90	1.11	39.1	41.1	44.4	47.7	56.8	84.9	112	136	175	203
96	1.04	42.1	44.8	50.8	55.4	66.5	111	144	169	189	224
98	1.02	44.6	47.7	56.4	62.2	74.4	135	172	194	196	237
99	1.01	47.4	50.9	62.7	69.7	83.0	163	202	220	235*	249

*Recalculated

Table D-2.19. Combination One Low Flow Frequency Table
(Flow in cfs)
Aquashicola Creek at Aquashicola Dam site, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	6.93	7.74	8.33	8.92	9.57	11.4	12.9	16.2	38.9	54.4
2	50.00	7.99	8.85	9.56	10.2	11.1	13.1	15.2	19.0	44.0	61.2
5	20.00	9.82	10.7	11.7	12.5	13.8	16.2	19.2	24.1	52.5	72.2
10	10.00	11.7	12.6	13.8	15.7	16.5	19.5	23.6	29.7	61.0	82.8
20	5.00	14.3	15.3	16.7	17.9	20.4	24.4	30.3	37.9	72.5	96.6
50	2.00	20.4	21.3	23.4	25.1	29.6	37.2	47.9	59.6	98.0	126
80	1.25	27.9	28.8	31.5	34.1	41.1	56.2	74.4	92.1	128	156
90	1.11	32.4	33.2	36.3	39.4	48.1	69.5	93.1	115	145	173
96	1.04	37.6	38.3	41.6	45.5	56.3	87.0	118	144	164	189
98	1.02	41.2	41.7	45.3	49.7	61.9	100	136	166	177	200
99	1.01	44.5	44.9	48.6	53.6	67.1	114	155	189	188	209

Table D-2.20. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01450500
Aquashicola Creek at Palmerton, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	8.22	9.15	9.86	10.5	11.2	13.3	15.0	18.9	45.2	63.3
2	50.00	9.45	10.4	11.3	12.0	13.0	15.3	17.6	22.2	51.2	71.2
5	20.00	11.6	12.6	13.7	14.6	16.1	18.9	22.4	28.1	61.1	84.0
10	10.00	13.7	14.8	16.1	17.2	19.3	22.7	27.5	34.5	71.0	96.3
20	5.00	16.7	17.8	19.4	20.8	23.7	28.4	35.2	44.0	84.3	112
50	2.00	23.7	24.8	27.1	29.1	34.3	43.2	55.6	69.3	114	146
80	1.25	32.4	33.4	36.5	39.5	47.8	65.3	86.5	107	149	182
90	1.11	37.6	38.6	42.1	45.8	56.0	80.9	108	133	168	201
96	1.04	43.6	44.6	48.5	53.1	65.5	101	137	167	191	220
98	1.02	47.8	48.7	52.9	58.1	72.2	117	159	193	205	233
99	1.01	51.6	52.5	56.9	62.9	78.4	133	181	220	219	244

Table D-2.21. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01451000
Lehigh River at Walnutport, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	159	170	188	211	233	247	262	309	686	828
2	50.00	168	179	197	221	246	265	289	343	746	919
5	20.00	183	196	214	238	269	298	337	405	847	1070
10	10.00	198	213	232	257	294	335	290	473	949	1210
20	5.00	221	237	257	283	330	390	469	574	1090	1400
50	2.00	276	296	322	353	424	546	689	856	1430	1820
80	1.25	356	378	417	459	568	812	1050	1320	1890	2280
90	1.11	413	433	485	537	674	1020	1340	1680	2200	2550
96	1.04	487	506	576	643	821	1340	1750	2200	2580	2840
98	1.02	545	561	648	728	939	1610	2090	2640	2860	3040
99	1.01	605	617	724	819	1060	1920	2470	3120	3150	3220

Table D-2.22. Combination One Low Flow Frequency Table

(Flow in cfs)

USGS Station 01451800
Jordan Creek Near Schnecksville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1*	3*	7*	14*	30	60	90	120	183	365
1	100.00	0.30	0.31	0.44	0.56	0.72	1.12	1.45	2.58	11.9	27.6
2	50.00	0.51	0.58	0.72	0.85	1.03	1.60	2.15	3.60	14.9	31.5
5	20.00	1.08	1.16	1.43	1.62	1.71	2.64	3.70	5.79	20.3	38.1
10	10.00	1.68	1.82	2.20	2.40	2.58	4.00	5.78	8.57	26.1	44.7
20	5.00	2.41	2.69	3.05	3.27	4.06	6.37	9.44	13.3	34.5	53.6
50	2.00	4.40	5.20	5.80	7.26	8.60	13.9	21.0	27.9	53.8	73.5
80	1.25	7.50	8.05	9.40	11.6	15.6	26.2	39.4	51.4	75.9	96.5
90	1.11	9.25	9.70	11.8	13.5	20.2	34.8	51.4	67.5	87.5	110
96	1.04	11.0	11.5	15.0	22.0	25.6	45.4	65.4	87.2	99.3	124
98	1.02	12.1	12.5	17.0	25.1	29.3	52.8	74.7	101	106	134
99	1.01	13.2	13.9	19.0	25.4	32.6	59.9	83.1	114	112	142

*Calculated from adjusted probabilities

Table D-2.23. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01452000
Jordan Creek at Allentown, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1*	3*	7*	14*	30	60	90	120	183	365
1	100.00	0.31	0.52	0.85	0.99	1.12	1.70	2.14	3.73	17.0	39.5
2	50.00	0.62	0.97	1.35	1.46	1.58	2.40	3.14	5.20	21.3	45.1
5	20.00	1.48	1.99	2.40	2.49	2.55	3.90	5.37	8.32	29.0	54.5
10	10.00	2.30	2.90	3.45	3.60	3.80	5.83	8.32	12.3	37.4	63.9
20	5.00	3.60	4.10	4.60	4.87	5.90	9.17	13.5	19.1	49.3	76.6
50	2.00	6.60	7.15	8.00	10.9	12.3	19.7	29.9	39.8	76.9	105
80	1.25	10.8	11.1	13.1	16.5	22.3	37.4	56.2	73.4	108	138
90	1.11	13.2	13.8	16.8	18.3	28.9	49.8	73.8	96.4	125	157
96	1.04	15.7	17.0	21.8	28.0	36.8	65.3	93.8	125	142	177
98	1.02	17.1	19.0	25.5	34.0	42.3	76.5	108	145	152	191
99	1.01	18.2	21.0	28.5	35.0	47.3	87.3	120	154	160	203

*Calculated from adjusted probabilities

Table D-2.24. Combination One Low Flow Frequency Table

(Flow in cfs)

USGS Station 01453000

Lehigh River at Bethlehem, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	255	377	395	406	407	410*	423	484	943	1160
2	50.00	276	382	402	416	425	433	461	532	1020	1270
5	20.00	311	393	416	435	458	483	529	616	1150	1440
10	10.00	346	407	433	457	493	537	602	708	1280	1620
20	5.00	393	430	460	491	545	618	712	845	1470	1850
50	2.00	502	508*	542	587	679	840	1010	1220	1920	2370
80	1.25	643	660*	686	745	884	1200	1510	1840	2540	3000
90	1.11	731	738	801	866	1030	1490	1900	2320	2950	3380
96	1.04	839	895	969	1040	1240	1890	2450	3010	3470	3820
98	1.02	917	1030	1110	1180	1410	2230	2920	3580	3870	4120
99	1.01	994	1180	1270	1340	1580	2610	3440	4210	4270	4410

*Recalculated

Table D-2.25. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01454700
Lehigh River at Glendon, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	332	407	436	446	448	454*	463	527	1000	1230
2	50.00	347	413	444	457	468	474	503	578	1080	1340
5	20.00	373	427	459	478	503	527	575	667	1220	1530
10	10.00	401	443	477	503	541	585	652	763	1360	1700
20	5.00	441	470	507	540	596	671	769	908	1550	1940
50	2.00	545	553	597	645	740	907	1090	1310	2030	2490
80	1.25	702	703	755	818	960	1290	1620	1960	2680	3150
90	1.11	815	873	882	951	1120	1590	2030	2470	3120	3550
96	1.04	969	1000	1070	1140	1340	2020	2620	3190	3680	4030
98	1.02	1090	1150	1230	1290	1520	2390	3120	3800	4110	4360
99	1.01	1220	1320	1400	1460	1710	2790	3660	4470	4550	4680

*Recalculated

Table D-2.26. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01456000
Musconetcong River Near Hackettstown, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	5.39	6.16	7.42	7.86	8.82	10.1	11.0	12.7	31.2	44.5
2	50.00	6.35	7.16	8.44	9.02	10.2	11.8	13.0	15.3	35.9	51.3
5	20.00	8.06	8.92	10.2	11.1	12.7	14.8	16.8	20.2	44.1	62.8
10	10.00	9.89	10.8	12.1	13.2	15.3	18.2	21.0	25.6	52.6	74.3
20	5.00	12.6	13.5	14.9	16.4	19.2	23.2	27.4	34.0	64.4	89.8
50	2.00	19.4	20.5	22.2	24.5	29.2	37.0	45.2	56.7	92.5	124
80	1.25	29.1	30.3	32.9	36.3	43.8	58.9	73.8	91.7	128	162
90	1.11	35.5	36.8	40.4	44.4	53.8	75.1	94.8	116	150	183
96	1.04	43.4	45.1	50.3	54.9	66.7	97.1	124	149	176	205
98	1.02	49.3	51.2	57.9	62.8	76.5	115	146	173	193	220
99	1.01	55.0	57.2	65.7	70.9	86.3	133	170	198	210	233

Table D-2.27. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01457500
Delaware River at Riegelsville, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1470	1680	1950	2040	2100	2130	2190	2230	3850	4680
2	50.00	1540	1730	1970	2060	2120	2160	2220	2260	4220	5160
5	20.00	1640	1830	2020	2110	2170	2210	2270	2540	4840	5940
10	10.00	1750	1910	2090	2160	2240	2320	2490	2870	5450	6690
20	5.00	1880	2040	2170	2260	2290	2580	2880	3360	6290	7700
50	2.00	2210	2320	2450	2550	2770	3310	3920	4710	8200	9880
80	1.25	2560	2710	2890	3090	3560	4580	5630	6870	10600	12400
90	1.11	2800	2950	3220	3530	4230	5610	6950	8520	12100	13800
96	1.04	3090	3270	3690	4160	5260	7130	8850	10900	13900	15400
98	1.02	3300	3420	4050	4700	6180	8460	10500	12800	15200	16400
99	1.01	3500	3720	4260	5290	7230	9920	12200	14900	16400	17400

Table D-2.28. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01459500
Tohickon Creek at Pipersville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1*	3*	7	14	30	60	90	120	183	365
1	100.00	0.08	0.27	0.572	0.639	0.709	0.90	1.25	2.06	14.1	50.3
2	50.00	0.10	0.40	0.659	0.741	0.877	1.20	1.72	3.00	18.5	57.6
5	20.00	0.27	0.64	0.826	0.938	1.21	1.83	2.78	5.12	27.1	70.3
10	10.00	0.62	0.84	1.02	1.18	1.62	2.67	4.25	8.06	37.1	83.2
20	5.00	0.95	1.15	1.35	1.58	2.33	4.22	7.06	13.6	52.5	101.
50	2.00	1.74	2.05	2.40	2.94	4.74	10.1	18.4	33.8	93.0	143
80	1.25	3.15	3.65	4.61	5.99	9.90	24.1	47.2	75.5	147	195
90	1.11	4.45	5.00	6.68	9.01	14.7	38.0	76.6	110	179	226
96	1.04	6.40	7.25	10.2	14.3	22.6	61.7	128	161	214	262
98	1.02	9.20	9.30	13.5	19.6	29.9	84.2	177	201	237	287
99	1.01	9.80	11.0	17.6	26.3	38.7	112	238	244	257	310

*Calculated from adjusted probabilities

Table D.2-29. Combination One Low Flow Frequency Table

(Flow in cfs)

USGS Station 01463500

Delaware River at Trenton, N.J.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	1550	1760	2020	2130	2180	2210*	2270*	2320*	4080	5000
2	50.00	1620	1810	2050	2150	2210	2240*	2300*	2350	4480	5510
5	20.00	1720	1910	2110	2200	2270	2300*	2360	2690	5150	6350
10	10.00	1830	2000	2180	2260	2350	2440	2640	3050	5810	7170
20	5.00	1970	2130	2280	2370	2400	2730	3060	3590	6720	8250
50	2.00	2300	2440	2580	2700	2940	3540	4210	5060	8790	10600
80	1.25	2720	2870	3070	3290	3810	4940	6090	7420	11400	13300
90	1.11	2990	3140	3430	3770	4540	6060	7540	9220	13000	14800
96	1.04	3330	3500	3930	4460	5650	7710	9630	11800	14900	16500
98	1.02	3570	3760	4320	5050	6640	9140	11400	13900	16300	17600
99	1.01	3810	4020	4750	5690	7770	10700	13300	16200	17600	18700

*Recalculated

Table D-2.30. Combination One Low Flow Frequency Table

(Flow in cfs)

USGS Station 01467500
Schuylkill River at Pottsville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	9.97	10.8	11.9	12.8	14.5	15.5	17.1	18.7	35.6	47.6
2	50.00	10.8	11.7	12.8	13.7	15.5	16.9	19.1	21.2	39.2	51.8
5	20.00	12.2	13.2	14.3	15.2	17.3	19.4	22.2	25.4	45.3	58.7
10	10.00	13.7	14.7	15.9	16.8	19.1	21.9	25.6	29.9	51.3	65.4
20	5.00	15.7	16.8	18.0	19.0	21.8	25.6	30.5	36.2	59.4	74.4
50	2.00	20.4	21.6	23.3	24.7	28.4	35.0	42.8	52.1	77.9	94.1
80	1.25	26.6	28.1	30.6	32.9	38.2	49.0	60.8	74.7	101	118
90	1.11	30.6	32.4	35.5	38.7	45.1	59.1	73.3	89.8	115	132
96	1.04	35.6	37.6	41.8	46.3	54.3	72.5	89.7	109	131	148
98	1.02	39.4	41.5	46.6	52.2	61.5	83.1	102	124	142	159
99	1.01	43.1	45.4	51.6	58.4	69.0	94.3	115	139	153	169

Table D-2.31. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01467950
West Branch Schuylkill River at Cressona, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	8.52	9.55	10.8	11.1	12.1	13.8	14.9	17.6	28.1	38.0
2	50.00	9.56	10.6	11.7	12.1	13.2	15.1	16.6	19.6	31.6	42.2
5	20.00	11.2	12.2	13.3	13.8	15.1	17.4	19.5	23.0	37.3	48.9
10	10.00	12.9	13.8	14.8	15.5	17.0	19.8	22.5	26.6	42.9	55.2
20	5.00	15.1	15.9	16.9	17.8	19.6	23.2	26.9	31.7	50.3	63.4
50	2.00	19.7	20.3	21.5	22.9	25.9	31.4	37.7	44.3	66.2	80.0
80	1.25	24.8	25.3	27.0	29.1	34.3	42.8	52.8	62.3	84.0	97.4
90	1.11	27.6	28.0	30.4	32.8	39.7	50.5	63.0	74.5	93.9	106
96	1.04	30.6	31.0	34.3	37.2	46.5	60.3	76.1	90.2	105	116
98	1.02	32.5	33.0	37.0	40.3	51.5	67.7	86.0	102	112	122
99	1.01	34.2	34.8	39.6	43.2	56.5	75.2	96.0	114	118	127

Table D-2.32. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01468500
Schuylkill River at Landingville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	18.5	19.9	20.7	22.3	26.2	30.7	35.1	41.5	87.9	126
2	50.00	20.5	21.9	22.9	24.7	29.0	34.2	39.7	47.4	97.1	136
5	20.00	23.9	25.5	26.8	28.9	34.0	40.5	48.0	57.8	112	152
10	10.00	27.5	29.1	30.8	33.3	39.2	47.2	56.8	68.9	128	167
20	5.00	32.6	34.3	36.6	39.6	46.7	57.1	69.8	85.1	148	188
50	2.00	45.3	47.4	51.2	55.6	66.2	83.3	104	127	196	235
80	1.25	63.2	66.0	72.2	79.2	95.3	124	155	189	255	294
90	1.11	75.4	78.7	86.8	95.6	116	153	192	232	291	330
96	1.04	91.2	95.2	106	117	144	194	241	289	334	372
98	1.02	103	108	120	134	165	227	280	332	364	403
99	1.01	115	121	136	152	188	261	320	376	393	432

Table D-2.33. Combination One Low Flow Frequency Table

(Flow in cfs)

USGS Station 01469500

Little Schuylkill River at Tamaqua, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days										
		1	3	7	14	30	60	90	120	183	365	
1	100.00	2.51	2.70	3.01	3.39	4.11	4.55	5.29	7.01	23.4	34.6	
2	50.00	2.88	3.09	3.42	3.83	4.65	5.32	6.35	8.42	26.2	38.2	
5	20.00	3.53	3.78	4.18	4.63	5.65	6.74	8.35	11.1	31.1	44.3	
10	10.00	4.25	4.53	5.00	5.50	6.75	8.36	10.6	14.1	36.1	50.5	
20	5.00	5.32	5.66	6.22	6.83	8.45	10.9	14.3	18.9	43.2	58.9	
50	2.00	8.23	8.69	9.56	10.5	13.3	18.2	24.9	32.8	60.5	78.4	
80	1.25	12.8	13.4	14.9	16.6	21.7	31.1	43.5	56.8	84.2	103	
90	1.11	16.2	16.9	18.8	21.3	28.4	41.3	58.2	75.5	99.7	119	
96	1.04	20.9	21.7	24.3	28.1	38.2	56.3	79.4	102	119	137	
98	1.02	24.6	25.5	28.7	33.6	46.6	69.0	96.9	124	134	150	
99	1.01	28.6	29.6	33.4	39.7	55.9	82.9	116	148	154*	163	

*Recalculated

Table D-2.34. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470000
Little Schuylkill River at Dreherstown, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	19.5	20.6	22.0	24.1	28.6	30.7	33.3	39.1	82.5	118
2	50.00	21.4	22.6	24.1	26.3	31.0	34.0	37.7	44.7	91.4	127
5	20.00	24.8	26.0	27.8	30.1	35.3	39.9	45.4	54.5	106	142
10	10.00	28.3	29.6	31.6	34.1	39.8	46.2	53.7	64.9	121	157
20	5.00	33.2	34.6	37.0	39.7	46.5	55.4	65.9	80.2	140	177
50	2.00	45.4	47.1	50.5	54.3	64.0	79.8	98.2	120	184	220
80	1.25	62.5	64.8	69.6	75.7	91.1	118	147	178	236	272
90	1.11	74.1	76.8	82.8	90.9	111	145	183	218	267	303
96	1.04	89.0	92.3	99.8	111	139	183	230	271	303	339
98	1.02	100	104	133	127	161	214	268	311	327	364
99	1.01	112	116	126	144	185	247	307	353	370*	388

*Recalculated

Table D-2.35. Combination One Low Flow Frequency Table

(Flow in cfs)

USGS Station 01470500
Schuylkill River at Berne, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	36.2	44.3	48.5	52.2	63.0	74.1	79.9	96.6	219	321
2	50.00	41.9	49.8	54.5	58.6	70.3	82.7	91.4	111	244	350
5	20.00	51.7	59.1	64.6	69.5	82.8	97.7	112	136	285	398
10	10.00	61.8	68.7	75.0	80.8	95.7	114	134	163	327	445
20	5.00	76.0	82.1	89.4	96.7	114	137	167	204	384	508
50	2.00	110	114	124	135	159	199	254	314	517	650
80	1.25	153	156	169	187	222	295	389	483	686	825
90	1.11	179	183	197	220	264	365	436	606	791	932
96	1.04	210	216	232	262	317	461	617	772	915	1060
98	1.02	231	240	257	293	357	537	720	904	1000	1150
99	1.01	251	264	281	323	397	618	828	1040	1090	1230

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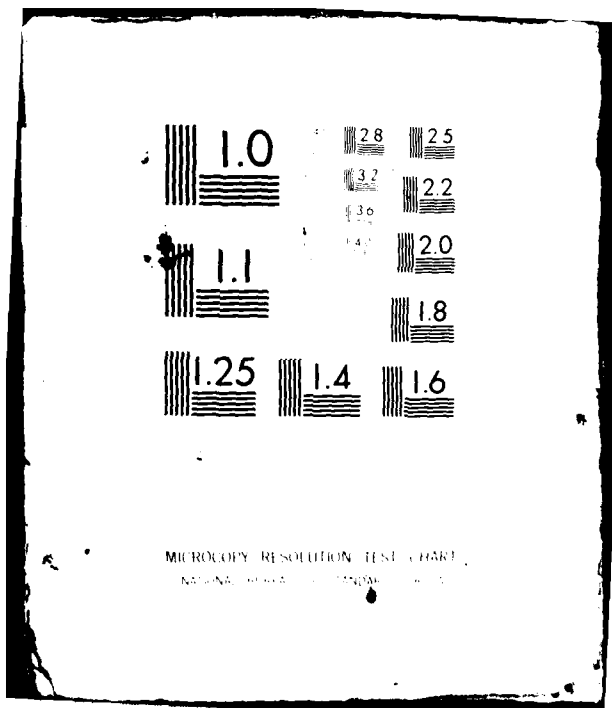
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Table D-2.36. Combination One Low Flow Frequency Table

(Flow in cfs)

USGS Station 01470756

Maiden Creek at Virginville, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	7.40	8.32	9.83	10.1	11.8	13.7	15.8	20.9	46.6	77.3
2	50.00	8.58	9.55	11.0	11.4	13.3	15.8	18.5	24.3	54.5	87.9
5	20.00	10.6	11.7	13.1	13.8	16.0	19.6	23.4	30.6	68.4	106
10	10.00	12.7	13.8	15.3	16.2	18.8	23.7	29.0	37.7	82.8	124
20	5.00	15.6	16.8	18.3	19.7	23.0	29.8	37.5	48.6	103	148
50	2.00	22.4	23.6	25.7	28.2	34.2	46.5	61.5	79.8	152	204
80	1.25	30.7	32.0	35.7	40.1	51.5	72.8	102	132	213	270
90	1.11	35.7	37.0	42.2	47.9	64.1	92.2	132	173	250	310
96	1.04	41.4	42.7	50.3	57.7	81.3	119	175	232	292	354
98	1.02	45.2	46.6	56.2	65.0	95.0	140	211	280	321	385
99	1.01	48.8	50.2	62.1	72.2	110	162	249	333	349	413

Table D-2.37. Combination One Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470960
Tulpehocken Creek at Blue Marsh Dam site, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3*	7	14	30	60	90	120	183	365
1	100.00	41.0	41.0	41.0	41.0	41.0	41.0	41.0	42.2	59.0	105
2	50.00	41.0	41.0	41.0	41.0	41.0	41.0	41.0	47.2	68.0	117
5	20.00	41.0	41.0	41.0	41.0	41.0	41.0	46.2	56.0	83.5	136
10	10.00	41.0	41.0	41.0	41.0	41.3	47.2	54.4	65.4	99.4	155
20	5.00	41.0	41.0	41.0	41.2	46.9	56.2	66.3	79.3	122	179
50	2.00	41.0	41.0	42.3	49.7	61.6	79.6	97.3	116	173	232
80	1.25	41.0	41.7	50.2	64.3	84.4	114	144	173	238	292
90	1.11	41.0	43.2	57.4	75.6	101	138	178	215	276	326
96	1.04	41.0	45.8	68.6	92.1	124	171	222	272	320	364
98	1.02	41.0	48.2	78.7	106	143	196	257	319	351	389
99	1.01	41.0	50.8	90.4	121	164	222	294	365	379	412

*Calculated from statistical parameters

Table D-2.38. Combination One Low Flow Frequency Table

(Flow in cfs)

USGS Station 01471000
Tulpehocken Creek at Reading, PA.

Probability (Percent)	Recurrence Interval (Years)	For Following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	42.5	43.6*	44.7*	45.8*	46.5*	47.2*	47.8*	52.3	75.8	129
2	50.00	43.2	44.1*	45.1*	46.2*	47.0*	47.5*	48.0	58.5	86.8	143
5	20.00	44.5	44.7	45.7*	46.9*	48.9*	50.7	57.4	69.2	106	166
10	10.00	46.0	46.5	47.0	48.1	50.8	58.4	67.3	80.7	125	188
20	5.00	48.3	49.3	50.6	52.9	57.8	69.4	81.8	97.6	151	218
50	2.00	55.2	57.1	60.3	65.2	76.2	97.7	120	142	213	282
80	1.25	66.7	69.4	76.0	83.8	104	139	176	211	290	354
90	1.11	75.4	78.6	87.9	97.3	124	169	217	261	336	395
96	1.04	87.6	91.3	105	116	152	207	271	330	390	441
98	1.02	97.6	101	118	130	175	237	313	384	427	471
99	1.01	108	112	133	146	199	269	357	442	462	499

*Recalculated

Table D-2.39. Combination One Low Flow Frequency Table

(Flow in cfs)

USGS Station 01471500

Schuylkill River at Reading, PA.

Probability (Percent)	Recurrence Interval (Years)	For following Number of Consecutive Days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	87.6	95.3	106	109	126	141	153	196	389	609
2	50.00	98.4	106	117	121	140	160	176	225	448	685
5	20.00	117	125	136	142	164	192	218	277	550	810
10	10.00	135	144	155	164	190	226	264	334	652	933
20	5.00	160	169	181	193	226	276	333	420	795	1100
50	2.00	217	227	243	264	319	408	520	653	1120	1460
80	1.25	287	297	324	357	454	610	814	1020	1520	1860
90	1.11	329	340	376	416	547	755	1030	1300	1750	2090
96	1.04	378	389	439	489	669	951	1320	1670	2020	2340
98	1.02	412	424	484	541	762	1110	1560	1980	2200	2510
99	1.01	445	456	529	593	859	1270	1800	2300	2360	2660

Table 0-2.40. Combination One Low flow frequency Table

(Flow in cfs)

USGS Station 01472000
Schuylkill River at Pottstown, PA.

Probability (Percent)	Recurrence Interval (Years)	for following number of consecutive days									
		1	3	7	14	30	60	90	120	183	365
1	100.00	146	162	180	183	207	234	251	309	567	829
2	50.00	163	179	197	202	227	260	285	350	642	921
5	20.00	192	207	225	233	262	306	344	422	767	1070
10	10.00	220	235	252	265	298	354	408	499	892	1220
20	5.00	258	273	291	308	350	423	501	611	1060	1410
50	2.00	342	356	380	409	478	601	743	907	1450	1830
80	1.25	443	455	495	540	660	861	1110	1350	1920	2300
90	1.11	502	514	567	622	785	1040	1370	1670	2190	2560
96	1.04	569	581	656	723	947	1290	1710	2100	2510	2850
98	1.02	615	627	720	795	1073	1470	1980	2430	2720	3050
99	1.01	658	670	783	866	1200	1670	2260	2780	2920	3220

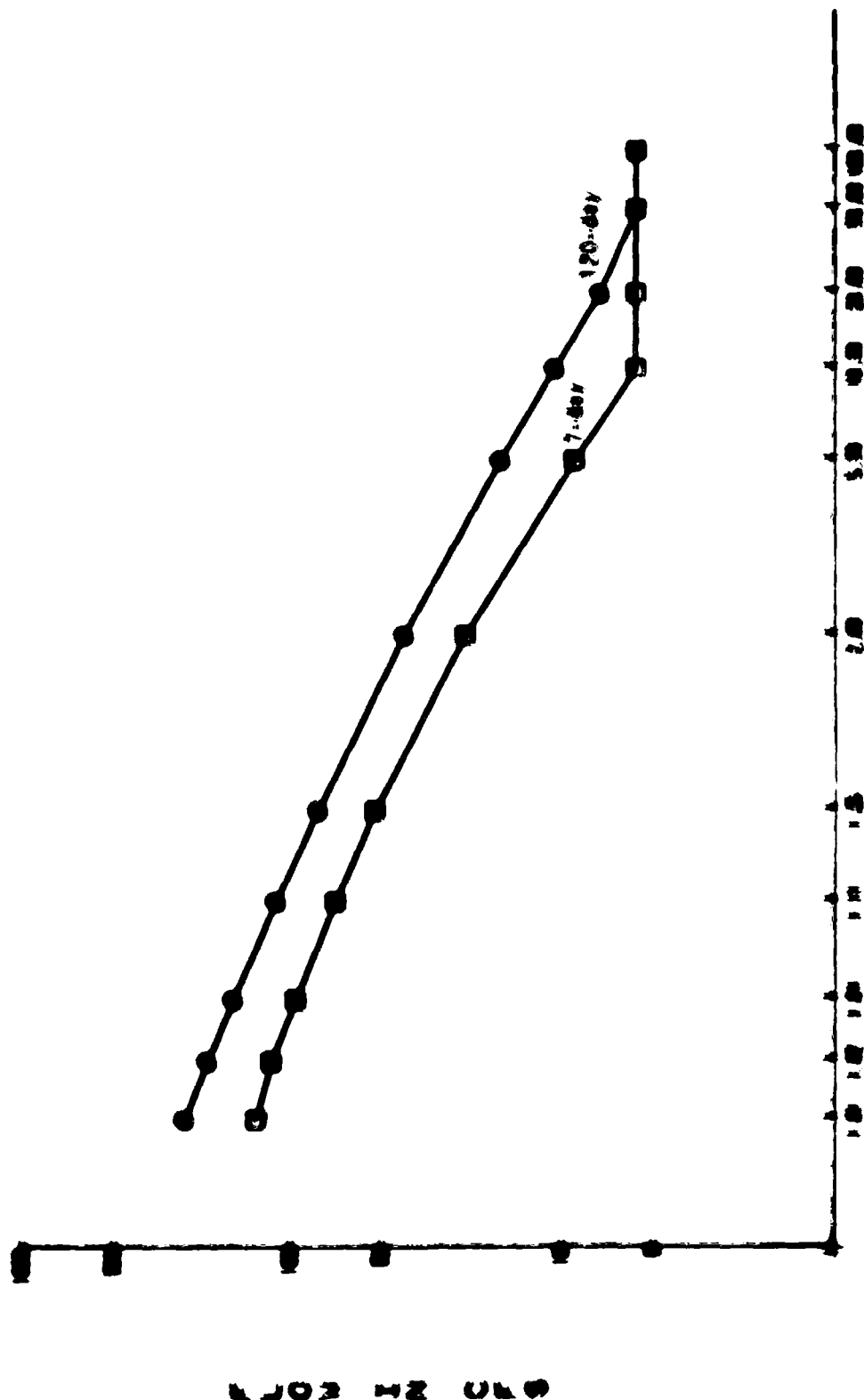
Table D-2.41. Combination One Low Flow Frequency Table
(Flow in cfs.)

USGS Station 01473000
Persimmon Creek at Graterford, PA.

Probability/ (Percent)	Recurrence Interval (Years)	1	2	3	4	5	6	7	8	9	10	12	15	20	25	30	40	60	90	120	180	365
1	100.00	5.51	8.78	11.1	13.0	14.6	16.2	17.8	19.4	21.0	22.6	24.2	25.8	27.4	29.0	30.6	32.2	33.8	35.4	37.0	38.6	40.2
2	50.00	5.95	10.4	12.3	14.6	16.3	18.1	19.8	21.5	23.2	24.9	26.6	28.3	30.0	31.7	33.4	35.1	36.8	38.5	40.2	41.9	43.6
5	20.00	3.64	13.2	15.7	17.6	19.0	20.5	22.0	23.5	25.0	26.5	28.0	29.5	31.0	32.5	34.0	35.5	37.0	38.5	40.0	41.5	43.0
10	10.00	12.6	16.2	18.6	20.8	22.8	24.8	26.8	28.8	30.8	32.8	34.8	36.8	38.8	40.8	42.8	44.8	46.8	48.8	50.8	52.8	54.8
20	5.00	17.1	20.5	22.3	23.5	24.8	26.1	27.4	28.7	30.0	31.3	32.6	33.9	35.2	36.5	37.8	39.1	40.4	41.7	43.0	44.3	45.6
50	2.00	23.3	31.0	34.0	36.0	37.9	39.8	41.7	43.6	45.5	47.4	49.3	51.2	53.1	55.0	56.9	58.8	60.7	62.6	64.5	66.4	68.3
90	1.25	42.7	44.7	46.7	48.7	50.7	52.7	54.7	56.7	58.7	60.7	62.7	64.7	66.7	68.7	70.7	72.7	74.7	76.7	78.7	80.7	82.7
95	1.11	51.1	53.1	55.1	57.1	59.1	61.1	63.1	65.1	67.1	69.1	71.1	73.1	75.1	77.1	79.1	81.1	83.1	85.1	87.1	89.1	91.1
98	1.04	60.8	63.0	65.2	67.4	69.6	71.8	74.0	76.2	78.4	80.6	82.8	85.0	87.2	89.4	91.6	93.8	96.0	98.2	100.4	102.6	104.8
99	1.02	67.0	69.8	72.6	75.4	78.2	81.0	83.8	86.6	89.4	92.2	95.0	97.8	100.6	103.4	106.2	109.0	111.8	114.6	117.4	120.2	123.0
99	1.01	72.6	76.2	79.8	83.4	87.0	90.6	94.2	97.8	101.4	105.0	108.6	112.2	115.8	119.4	123.0	126.6	130.2	133.8	137.4	141.0	144.6

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. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840. 84

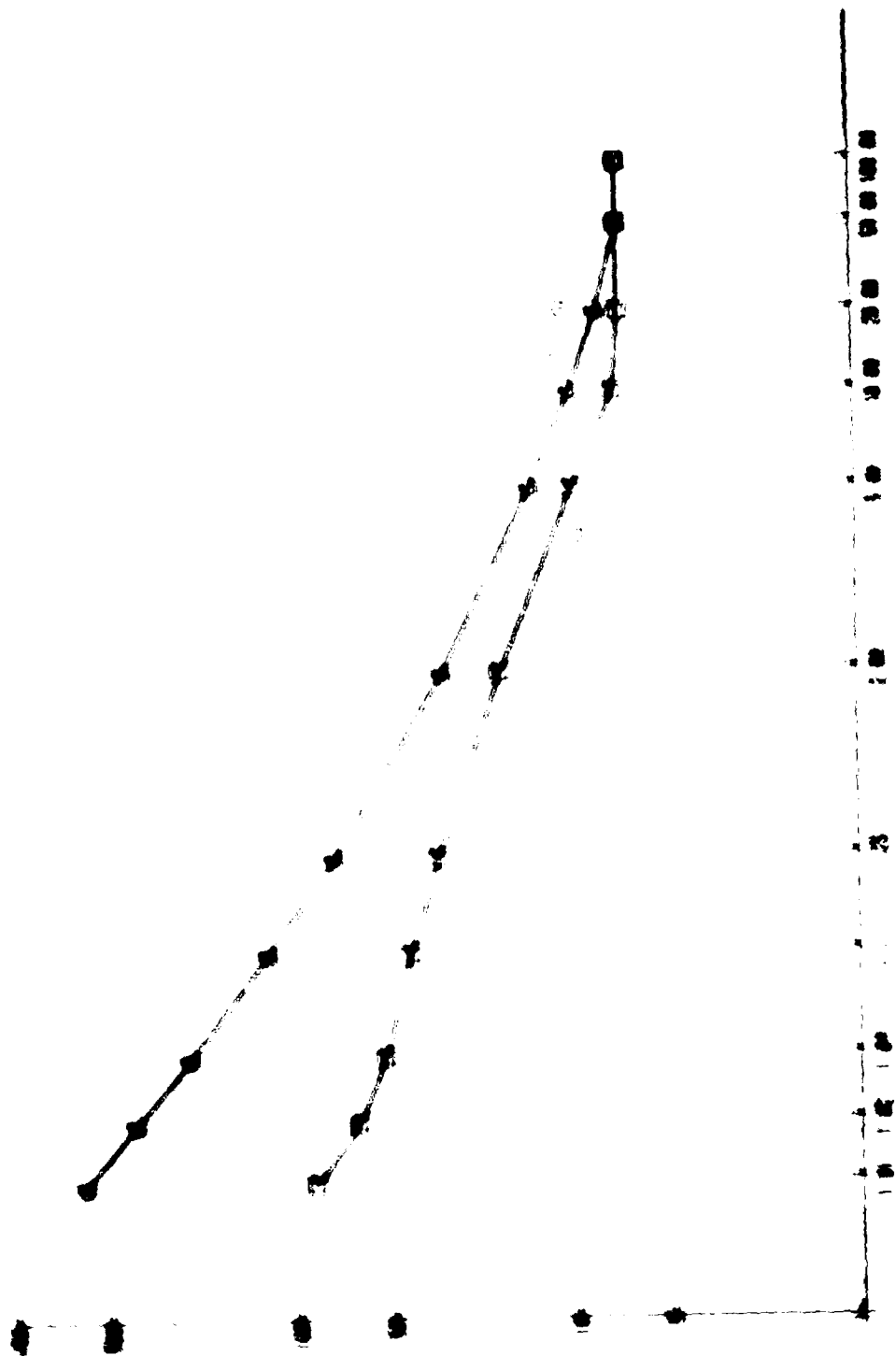
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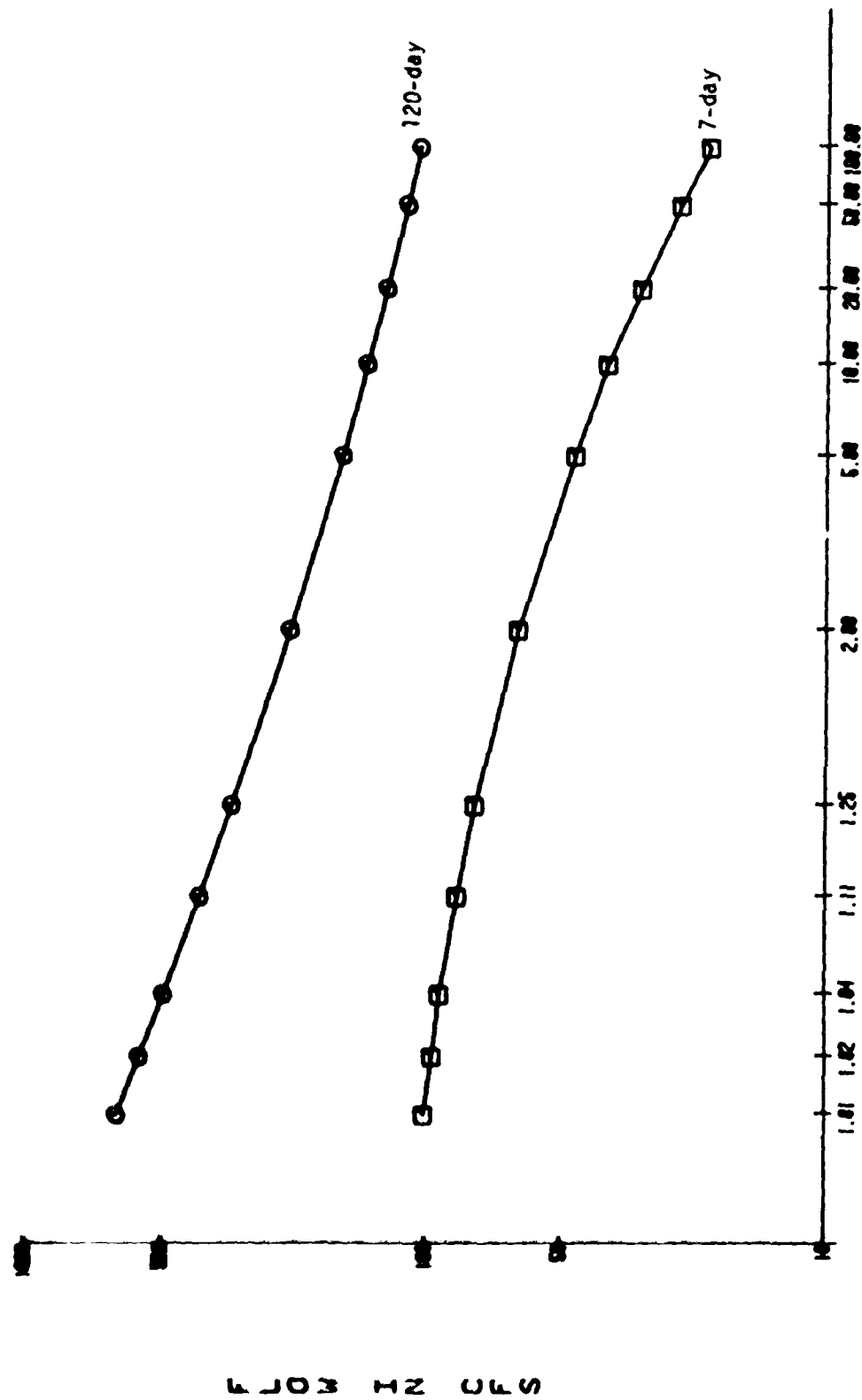
RECURRENCE INTERVAL IN YEARS

Flow Frequency Curves for
Lawrenceville, N.Y.

SEVEN AT TWENTY SIX THREE



WJOS #2 134



RECURRENCE INTERVAL IN YEARS

Figure D-47. Combination One Low Flow Frequency Curve For 01426500, West Branch Delaware River at Hale Eddy, N.Y.

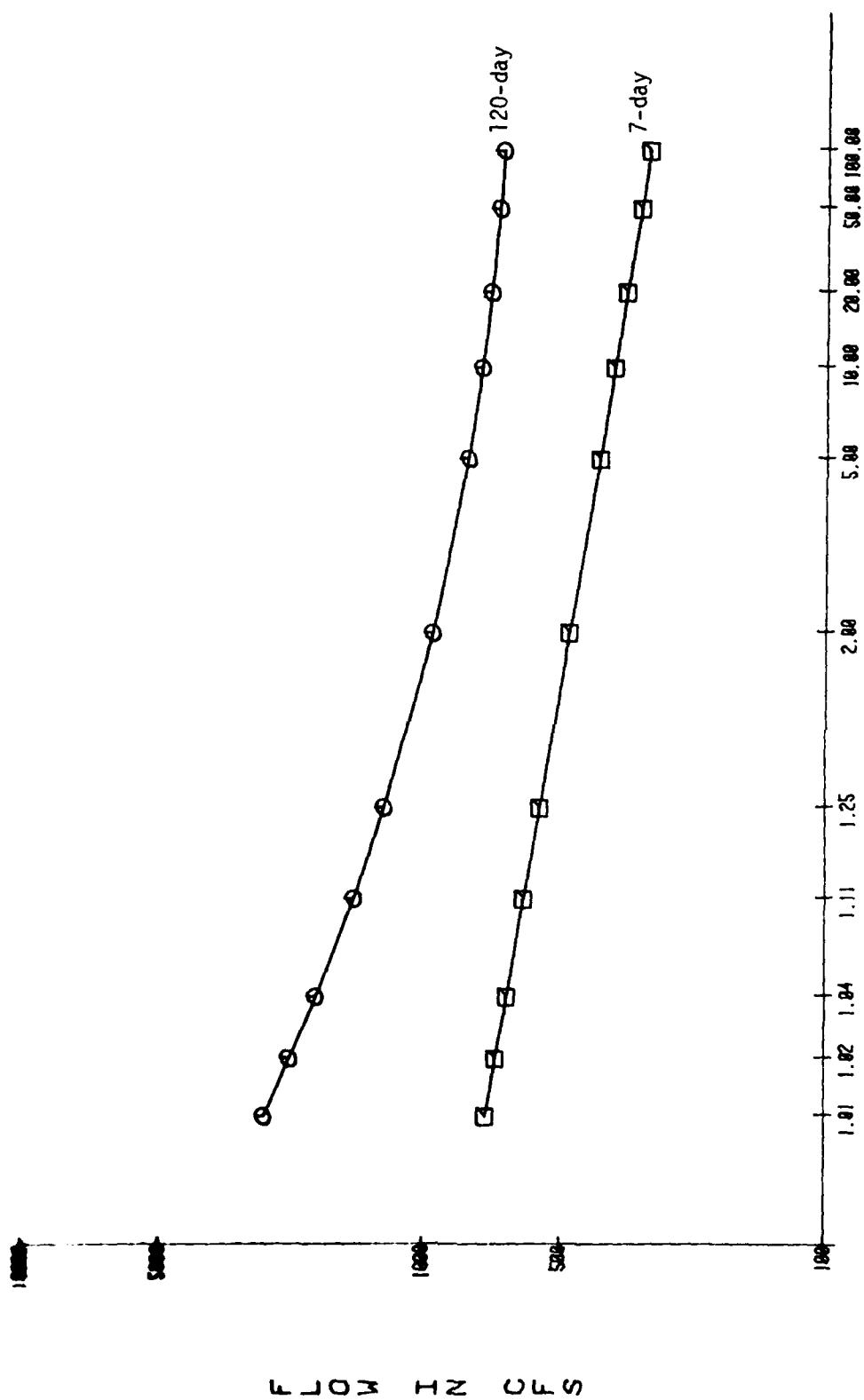
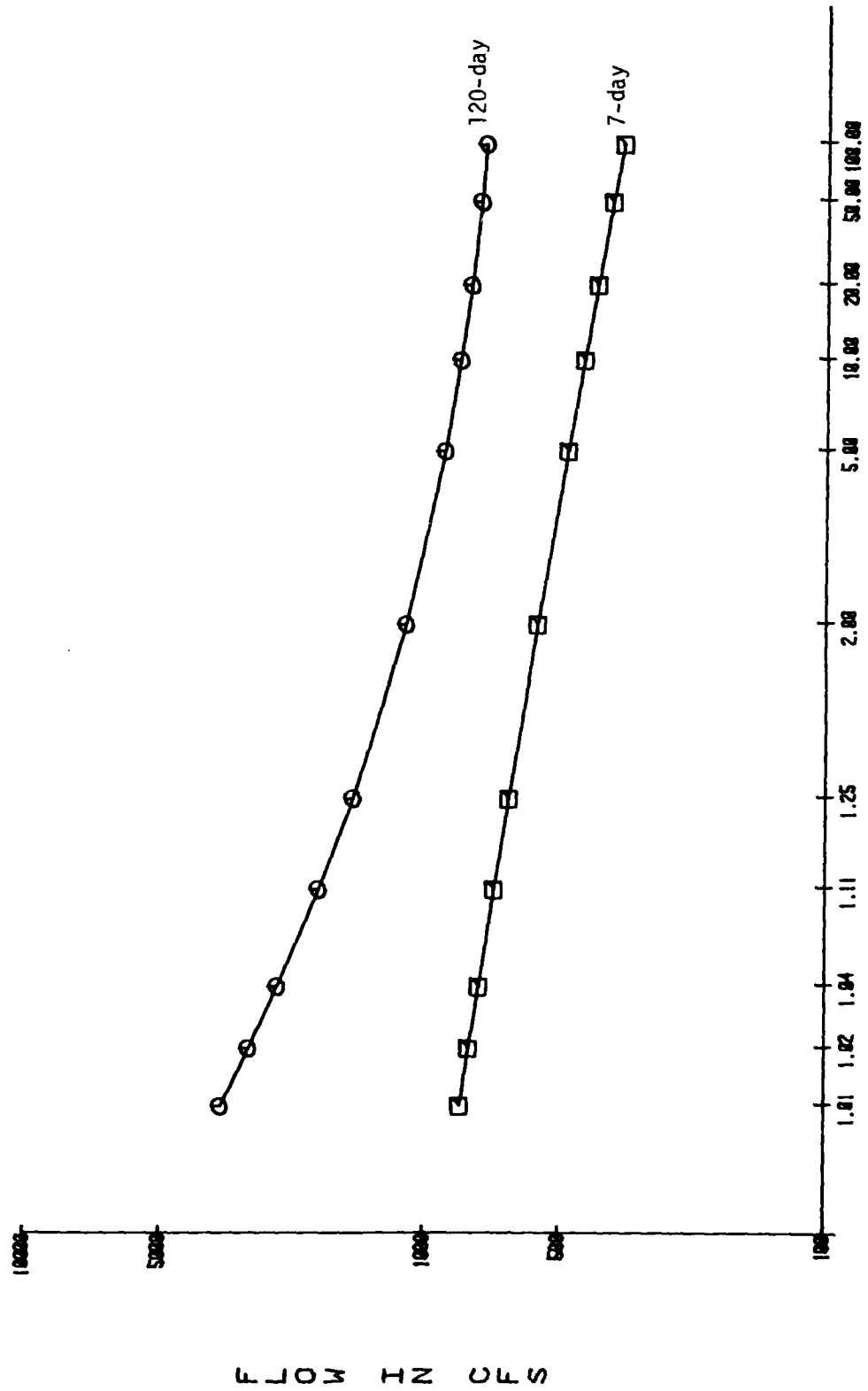


Figure D-48. RECURRENCE INTERVAL IN YEARS
Combination One Low Flow Frequency Curve For
01427405, Delaware River Near Callicoon, N.Y.



RECURRENCE INTERVAL IN YEARS

Figure D-49. Combination One Low Flow Frequency Curve For 01428500, Delaware River Near Barryville, N.Y.

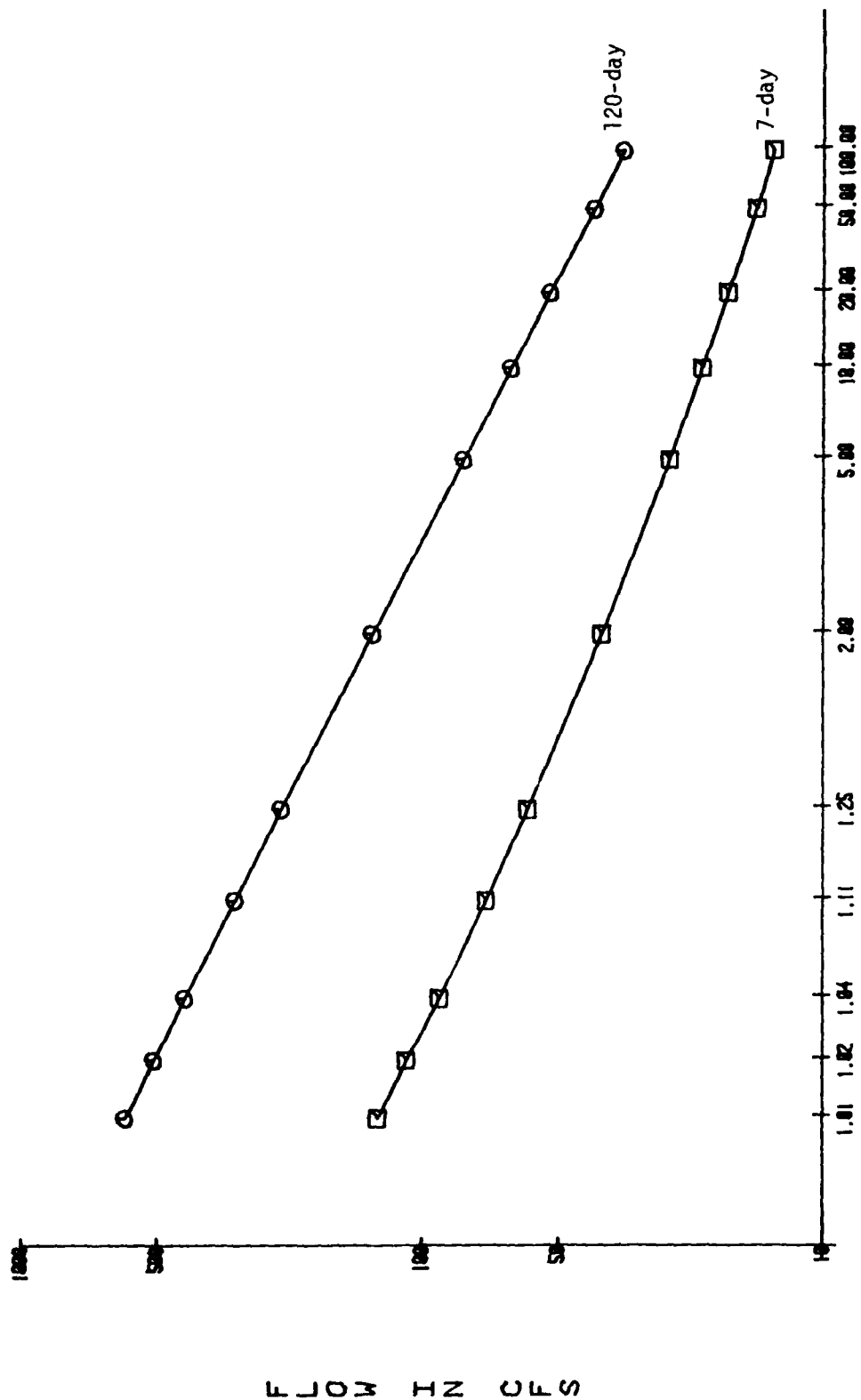


Figure D-50. Recurrence Interval in Years
Combination One Low Flow Frequency Curve For
01431500, Lackawaxen River at Hawley, PA.

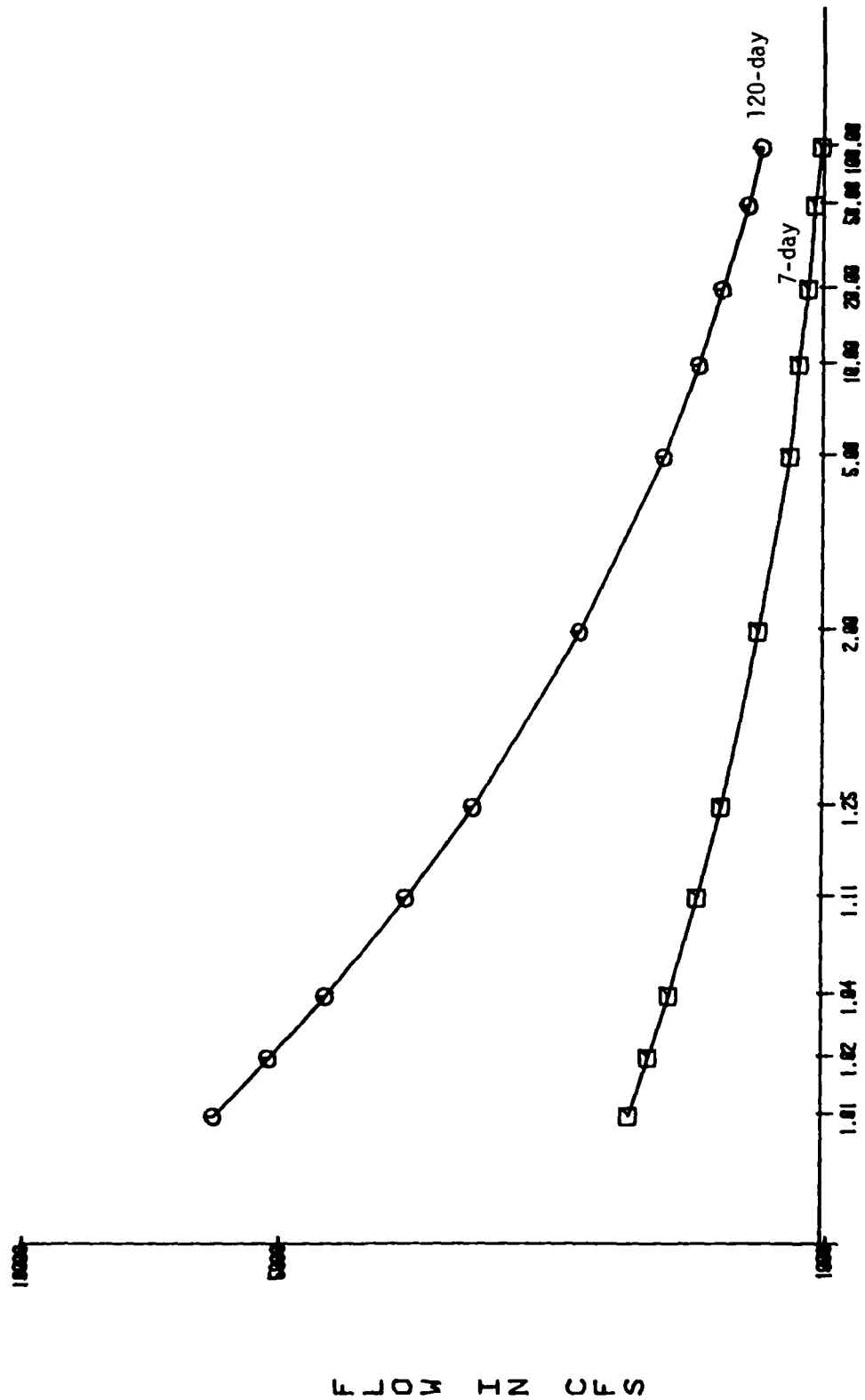
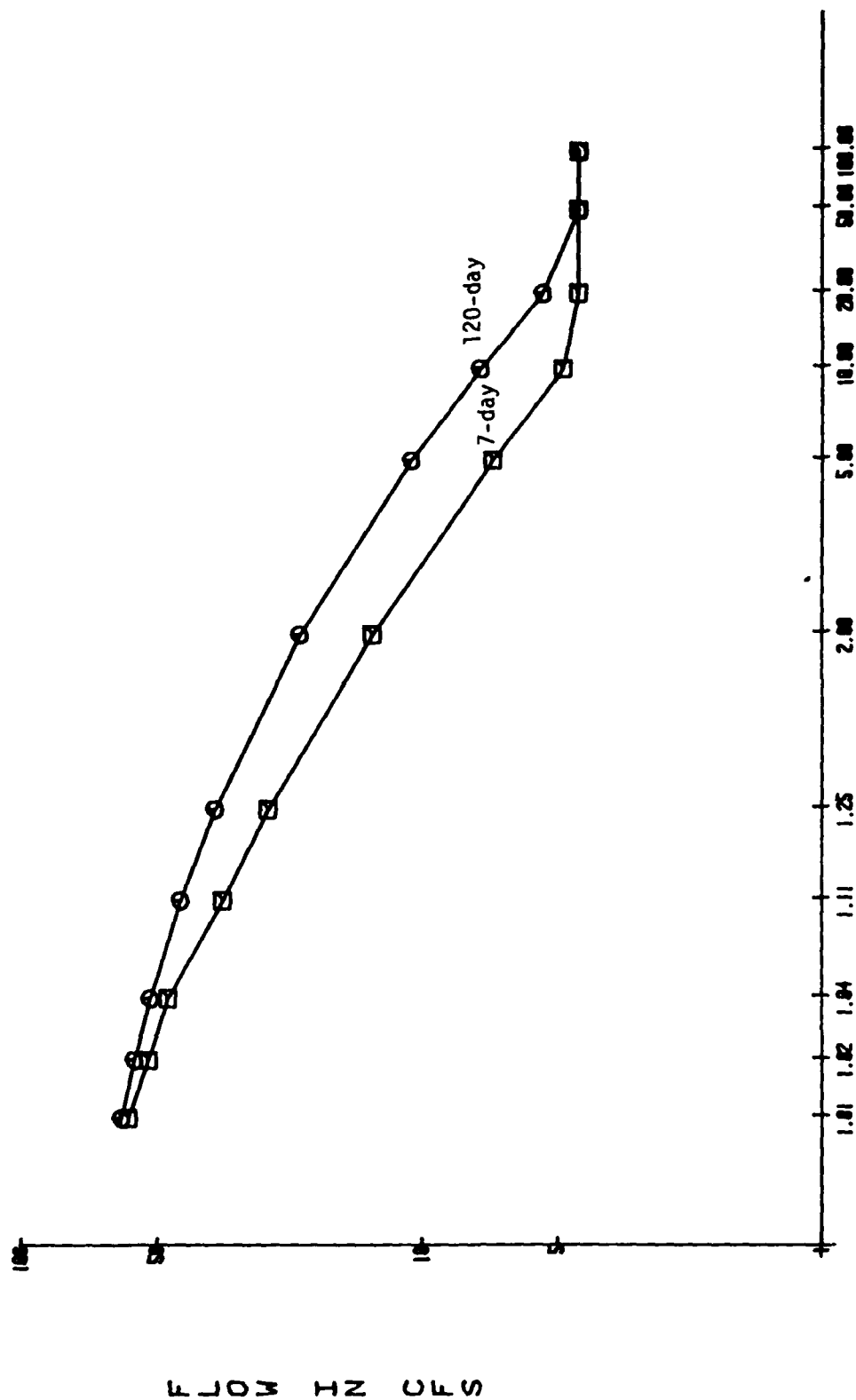


Figure D-51. Combination One Low Flow Frequency Curve For
01434000, Delaware River at Port Jervis, N.Y.



RECURRENCE INTERVAL IN YEARS

Figure D-52. Combination One Low Flow Frequency Curve For
01436000, Neversink River at Neversink, N.Y.

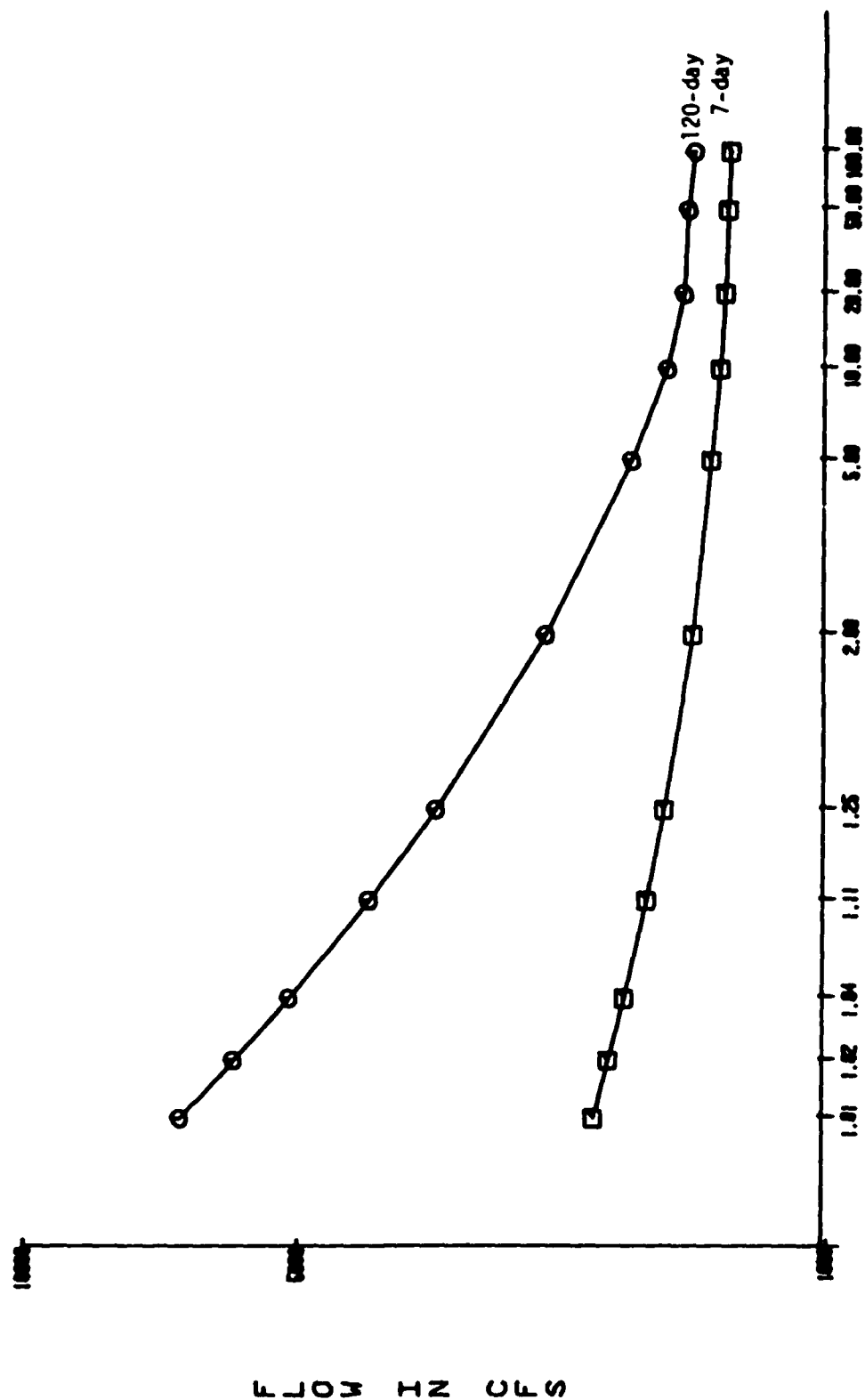
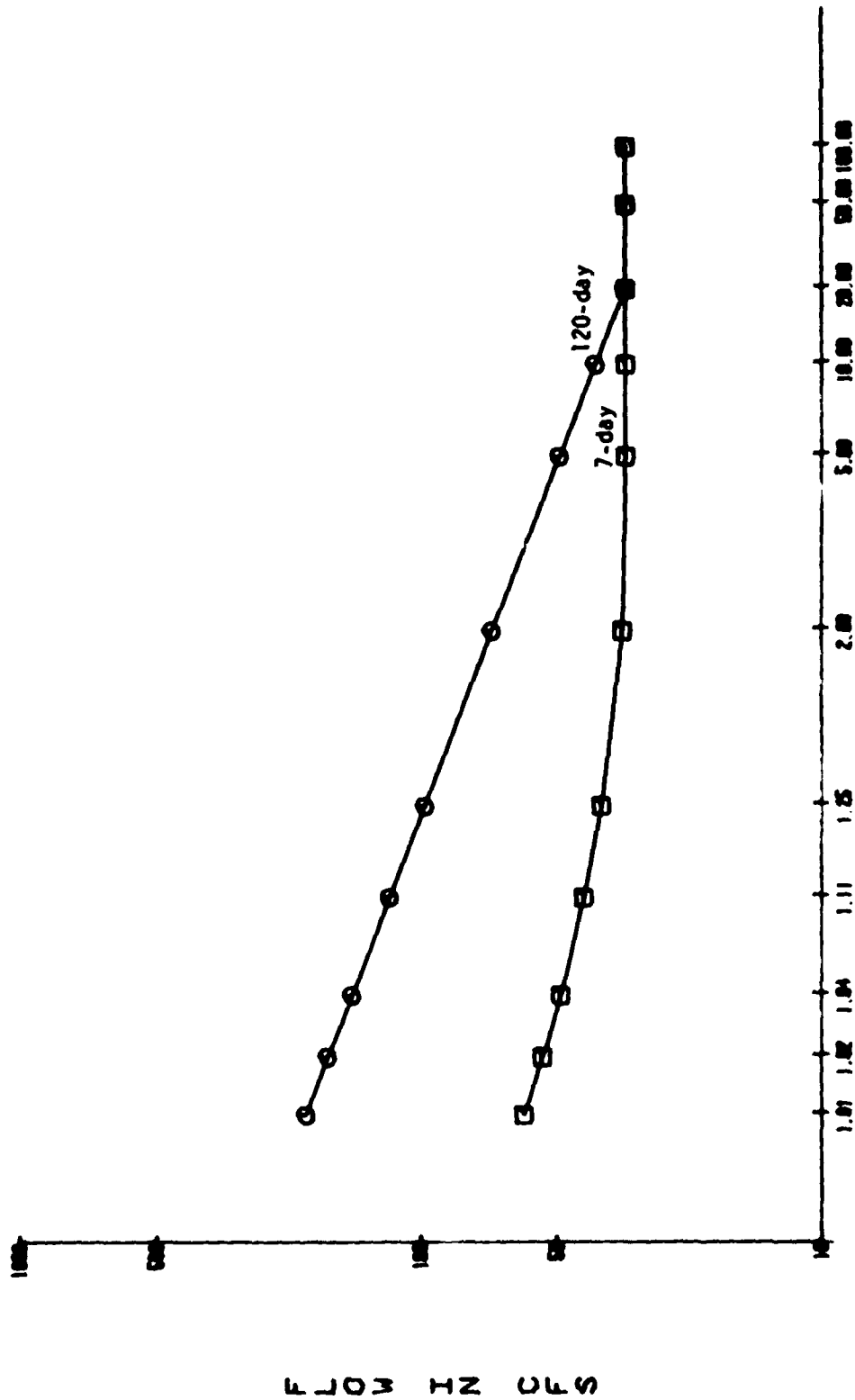
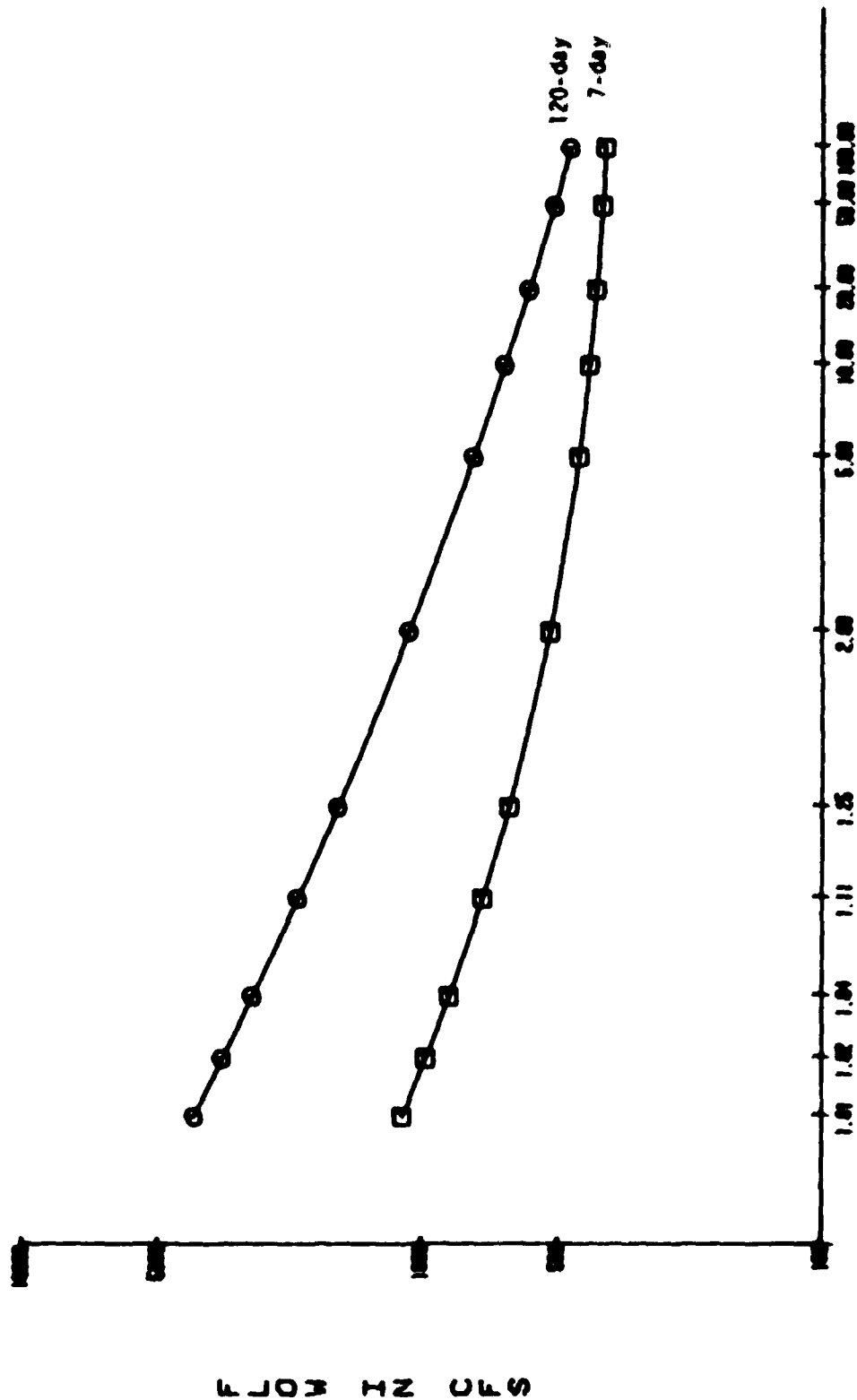


Figure D-53. Combination One Low Flow Frequency Curve For 01438500, Delaware River at Montague, N.J.



RECURRENCE INTERVAL IN YEARS

Figure D-54. Correlation One Low Flow Frequency Curve for 142,000, Enchopoco Creek at Beltzville Dam site, Pa.



RECURRENCE INTERVAL IN YEARS

Figure D-55. Combination One Low Flow Frequency Curve for 01453000, Lehigh River at Bethlehem, PA.

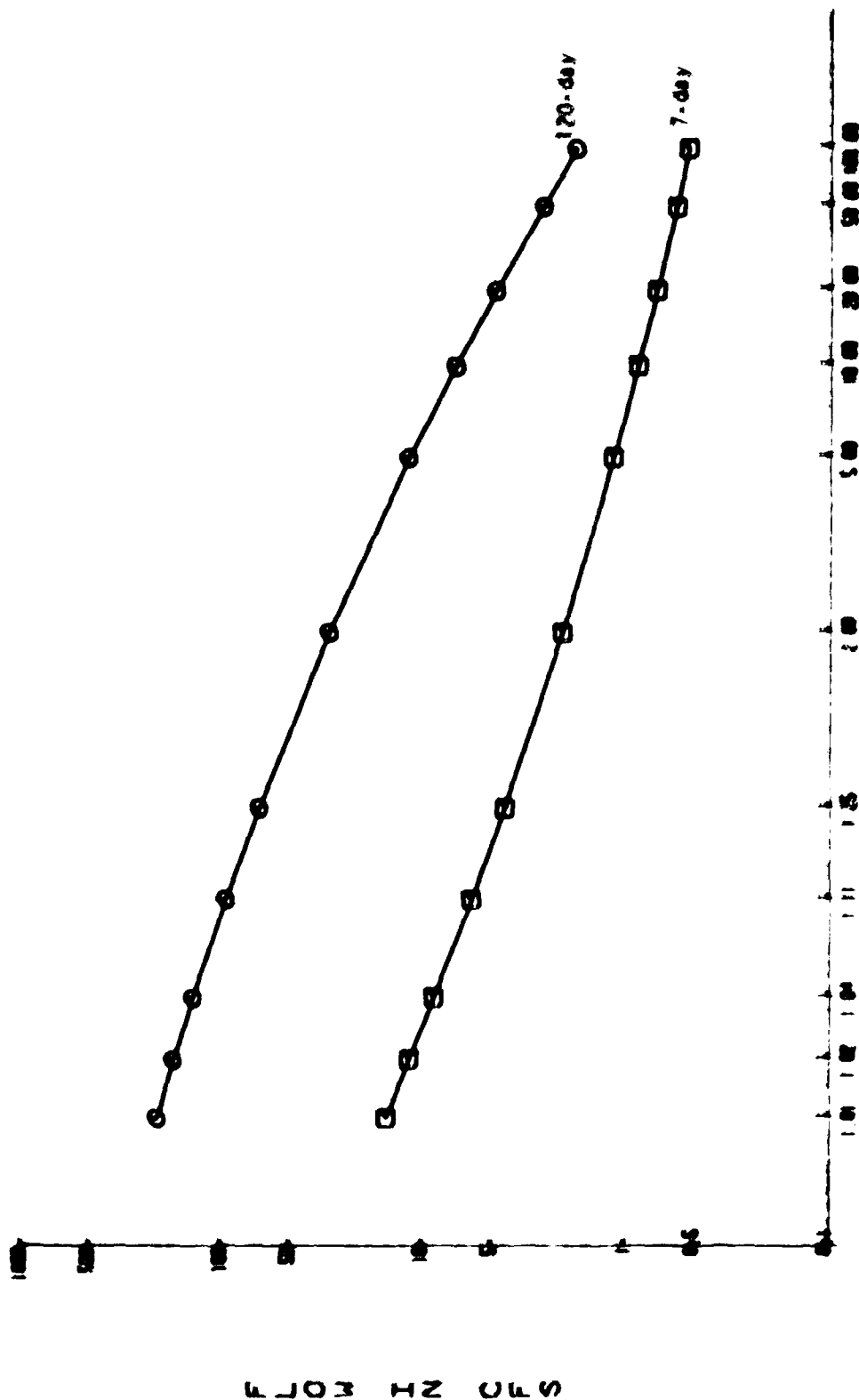
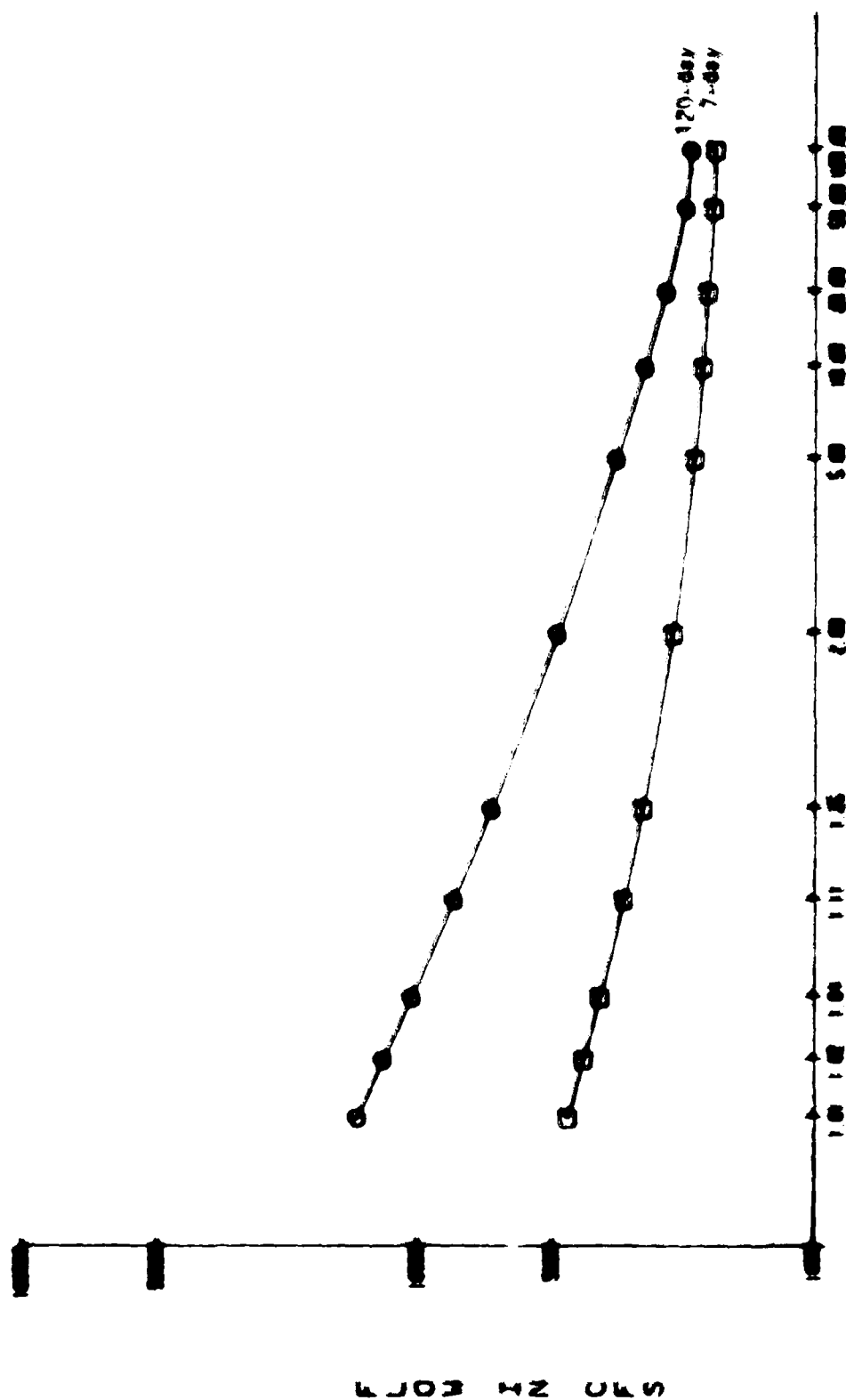


Figure 1. A graph showing the relationship between the recurrent interval in years and the frequency of occurrence for two different series: 120-day and 7-day. The x-axis represents the recurrent interval in years, and the y-axis represents the frequency of occurrence. Both series show a linear increase in frequency as the recurrent interval increases.



RECURRENCE INTERVAL IN YEARS

Figure D-52. Combination One Low Frequency Curve for
01463500, Delaware River at Frequenton, N.J.

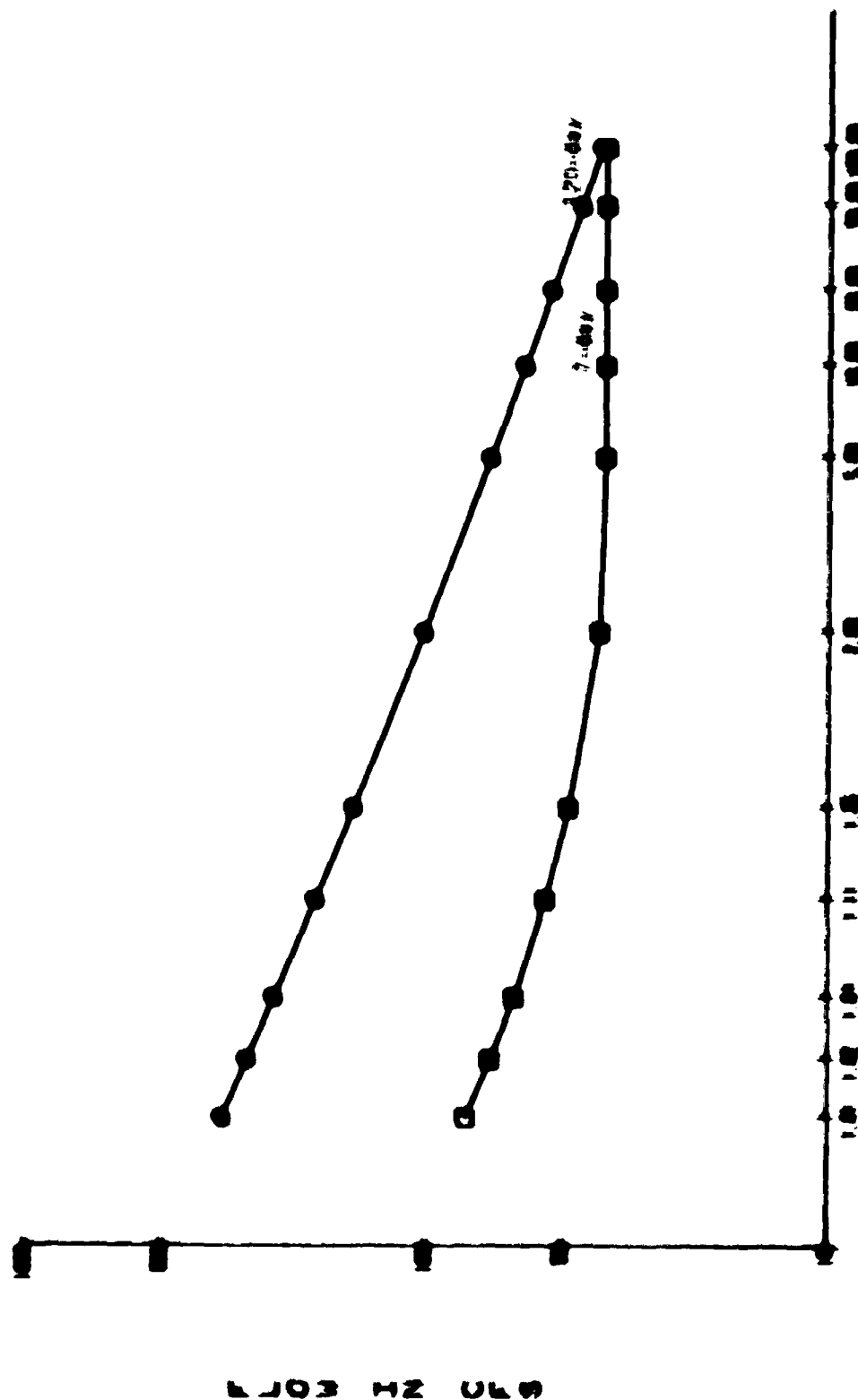


Figure D-50. Recurrence Interval in Years

Combination One Low Flow Frequency (return for 10 years), 100-year return (return for 100 years)

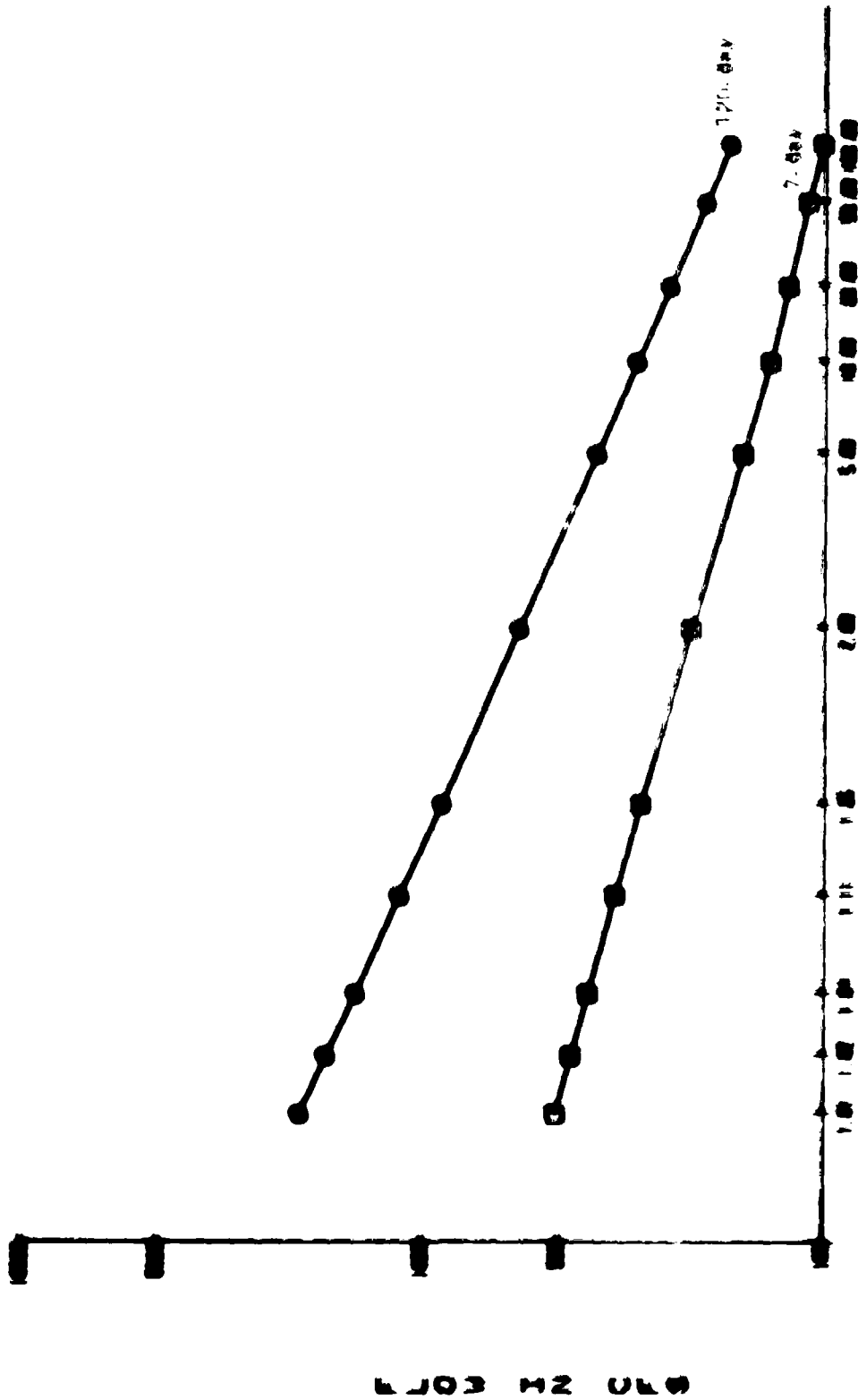
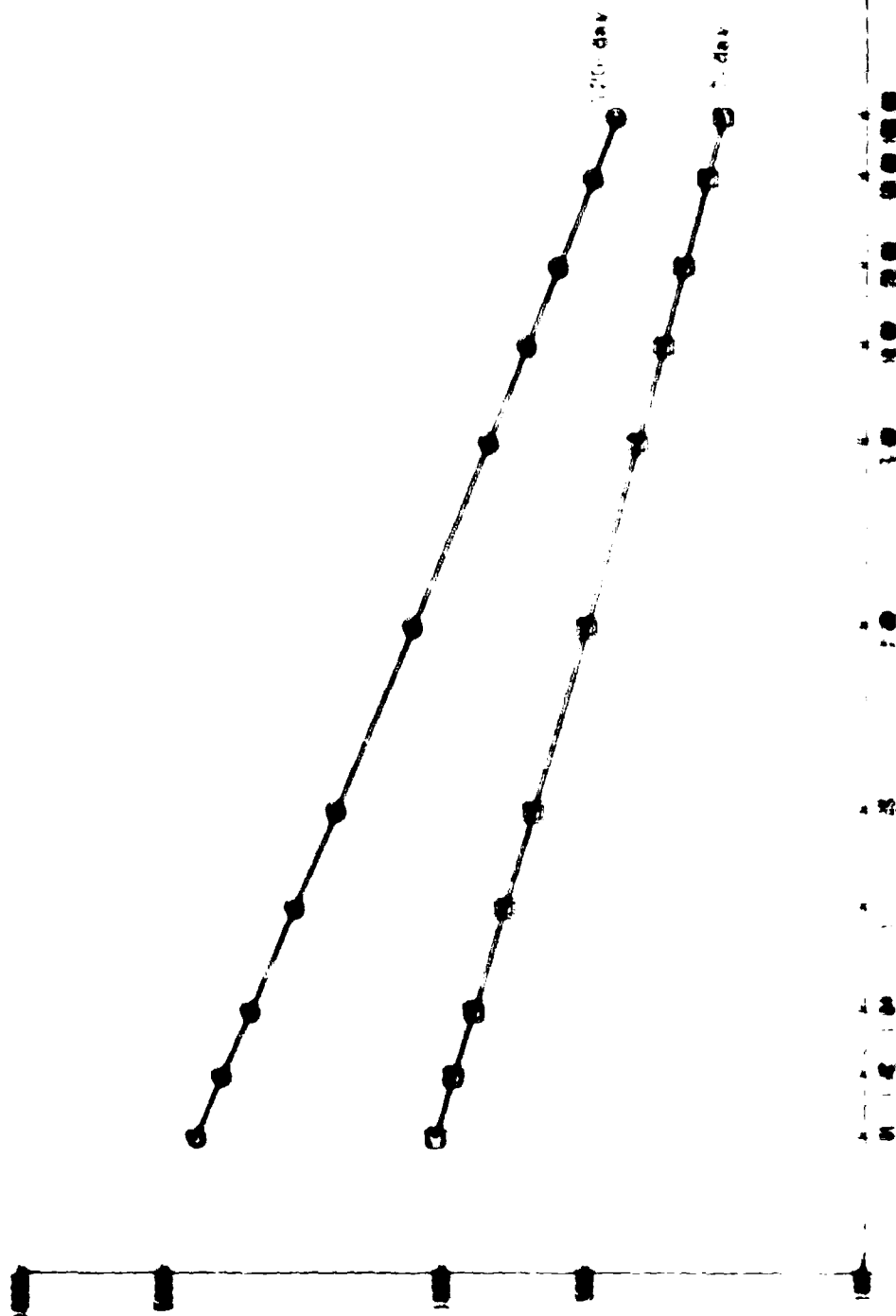


Figure 2-53 Comparison of Low Frequency Curve for 7. day and 12. day at Recurrence 11



5703 HZ 069
 100 day

5703 HZ 069

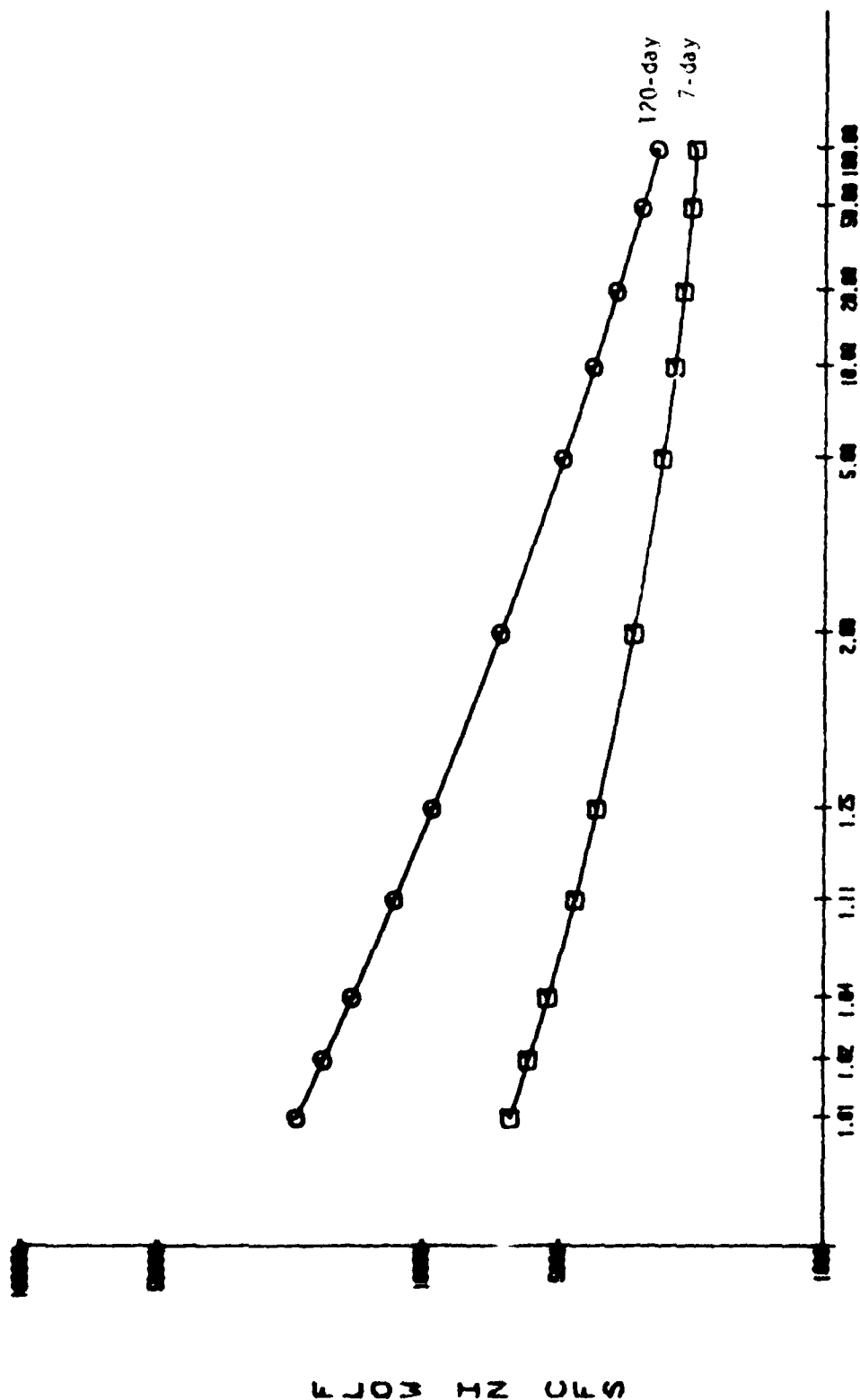
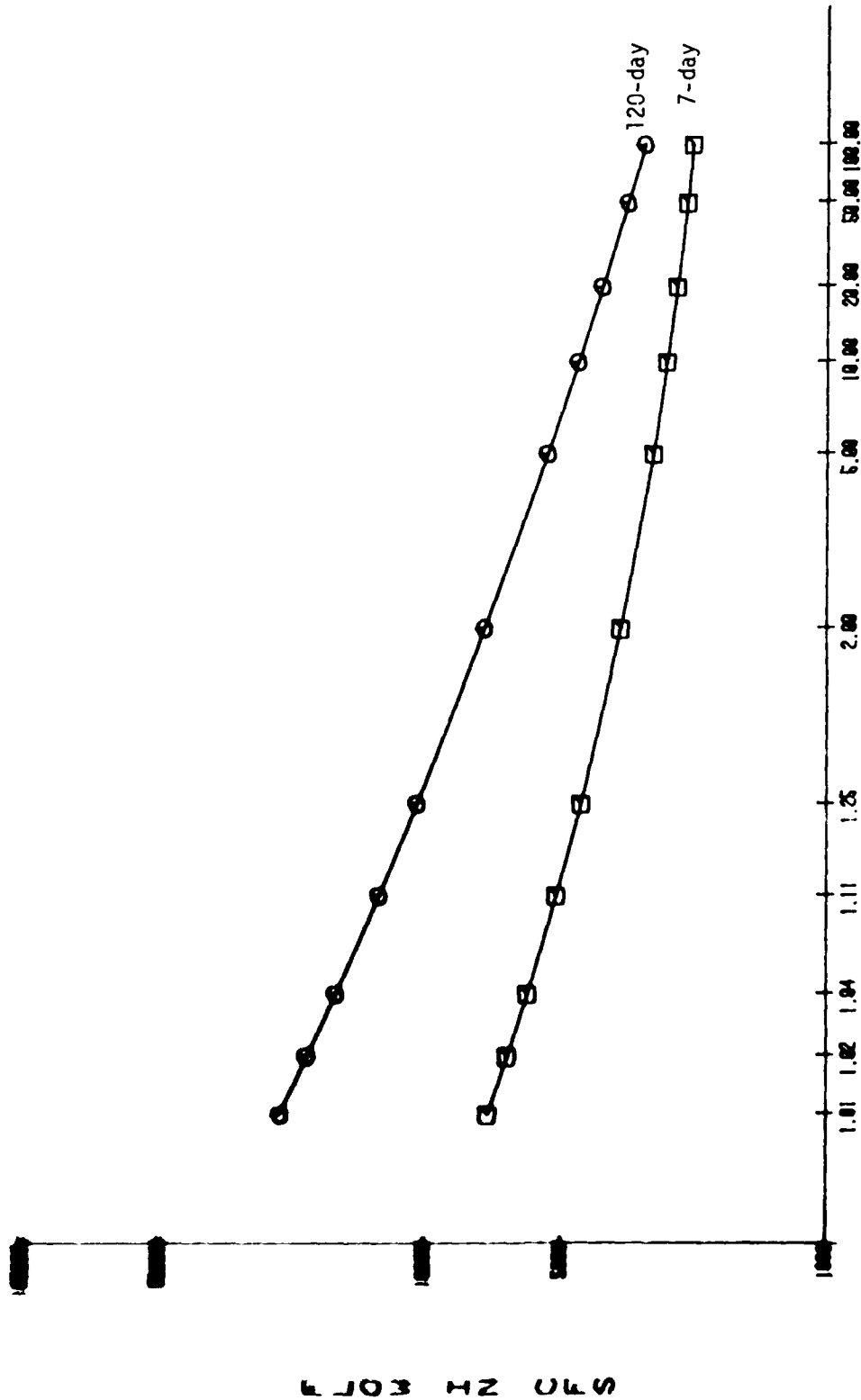


Figure D-61. Combination One Low Flow Frequency Curve for Delaware River Below Mouth of Schuylkill



RECURRENCE INTERVAL IN YEARS

Figure D-62. Combination One Low Flow Frequency Curve For Delaware River at Delaware Memorial Bridge

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APPENDIX E

COMBINATION 17 DAILY FLOWS
DURATION AND FREQUENCY ANALYSIS

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Tables | Tables E-2.1 to E-2.44 |
| Combination 17 Low Flow Frequency
Curves | Figures E-45 to E-62 |

TABLE E-1
COMBINATION 17 FLOW DURATION TABLE
(Flow in cfs)

| Model Node | Percent of Time Discharge was Equalled or Exceeded | | | | | | | | | |
|--|--|------|------|------|------|------|------|------|------|--|
| | 1 | 10 | 25 | 50 | 70 | 75 | 90 | 95 | 99 | |
| 01417000
East Branch Delaware River at
Downsville, N.Y. | 2700 | 870 | 83 | 72 | 51 | 49 | 19 | 6.8 | 6.2 | |
| 01421000
East Branch Delaware River at
Fishes Eddy, N.Y. | 8000 | 2700 | 1300 | 670 | 440 | 400 | 250 | 190 | 120 | |
| 01425000
West Branch Delaware River at
Stilesville, N.Y. | 2800 | 680 | 360 | 45 | 35 | 33 | 21 | 9.2 | 8.2 | |
| 01426500
West Branch Delaware River at
Hale Eddy, N.Y. | 3800 | 1000 | 510 | 320 | 170 | 150 | 85 | 53 | 37 | |
| 01427405
Delaware River near Callicoon, N.Y. | 15000 | 5000 | 2400 | 1200 | 910 | 840 | 640 | 540 | 370 | |
| 01428500
Delaware River near Barryville, N.Y. | 20000 | 6200 | 3000 | 1500 | 1100 | 1000 | 750 | 630 | 420 | |
| 01429000
Lackawaxen River at Prompton, PA. | 760 | 230 | 120 | 53 | 23 | 15 | 7.9 | 6.5* | 6.5* | |
| 01429500
Dyberry Creek near Honesdale, PA. | 780 | 230 | 98 | 53 | 27 | 22 | 9.9 | 7.2 | 3.7 | |
| 01430000
Lackawaxen River at Honesdale, PA. | 2000 | 610 | 330 | 150 | 79 | 66 | 32 | 23 | 15 | |
| 01431500
Lackawaxen River at Hawley, PA. | 3500 | 1100 | 560 | 260 | 140 | 110 | 56 | 41 | 25 | |
| 01434000
Delaware River at Port Jervis,
N.Y. | 27000 | 9600 | 5200 | 2700 | 1900 | 1800 | 1400 | 1300 | 1100 | |

*Set equal to reservoir's basic conservation release.

TABLE E-1
COMBINATION 17 FLOW DURATION TABLE (CONT'D)

| Model Node | Percent of Time Discharge was Equalled or Exceeded | | | | | | | | | |
|---|--|-------|------|------|------|------|------|------|------|--|
| | 1 | 10 | 25 | 50 | 70 | 75 | 90 | 95 | 99 | |
| 01436000
Neversink River at Neversink, N.Y. | 830 | 48 | 46 | 41 | 26 | 25 | 16 | 5.5 | 5.1 | |
| 01437000
Neversink River at Oakland, N.Y. | 1800 | 590 | 330 | 180 | 120 | 110 | 73 | 58 | 34 | |
| 01438500
Delaware River at Montague, N.J. | 31000 | 11000 | 6100 | 3300 | 2200 | 2000 | 1700 | 1600 | 1400 | |
| 01440200
Delaware River below Tocks Island
Damsite, PA. | 32000 | 13000 | 7000 | 3700 | 2500 | 2300 | 1900 | 1700 | 1500 | |
| 01446500
Delaware River at Belvidere, N.J. | 39000 | 15000 | 8500 | 4600 | 2900 | 2700 | 2100 | 1900 | 1600 | |
| 01447800
Lehigh River at White Haven, PA. | 3200 | 1300 | 760 | 420 | 250 | 210 | 70 | 63 | 58 | |
| 01449800
Pohopoco Creek at Beltzville
Damsite, PA. | 670 | 300 | 190 | 100 | 57 | 45 | 38 | 36 | 35 | |
| Aquashicola Creek at
Aquashicola Damsite, PA. | 730 | 260 | 150 | 85 | 54 | 47 | 29 | 20 | 15 | |
| 01450500
Aquashicola Creek at Palmerton, PA. | 840 | 300 | 180 | 99 | 62 | 55 | 33 | 25 | 17 | |
| 01451000
Lehigh River at Walnutport, PA. | 9700 | 3700 | 2300 | 1300 | 800 | 700 | 440 | 340 | 230 | |
| 01451800
Jordan Creek near Schnecksville,
PA. | 580 | 170 | 88 | 41 | 21 | 18 | 7.9 | 4.7 | 2.0 | |
| 01451200
Jordan Creek at Allentown, PA. | 840 | 240 | 120 | 59 | 31 | 25 | 11 | 6.5 | 3.7 | |

TABLE E-1
COMBINATION 17 FLOW DURATION TABLE (CONT'D)

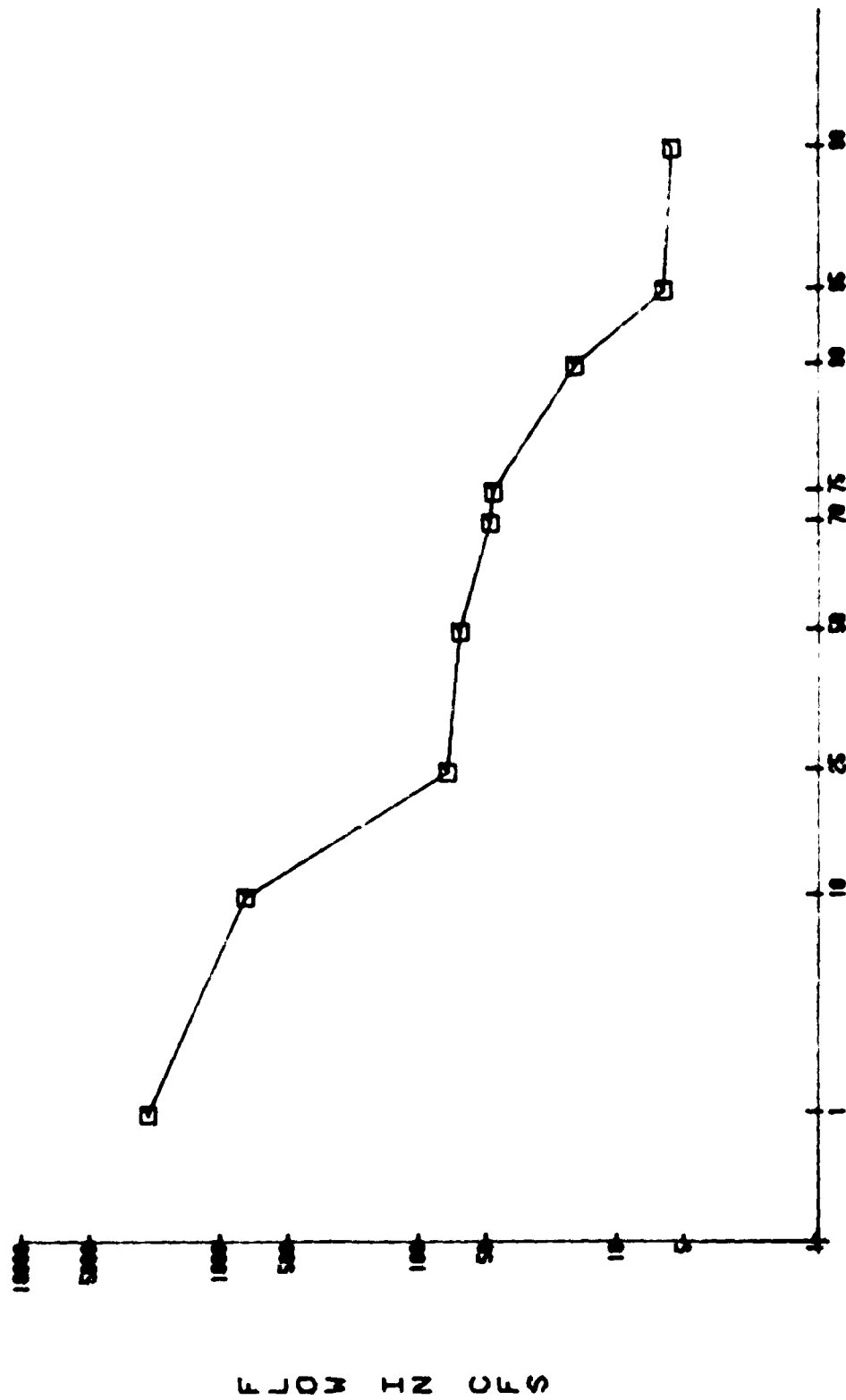
| Model No | 1 | 10 | 25 | 50 | 70 | 75 | 90 | 95 | 99 |
|--|-------|-------|-------|------|------|------|------|------|------|
| Percent of Time Discharge was Equaled or Exceeded | | | | | | | | | |
| 01453000
Lehigh River at Bethlehem, PA. | 12000 | 4900 | 3000 | 1700 | 1300 | 1000 | 710 | 600 | 450 |
| 01454700
Lehigh River at Glendon, PA. | 12000 | 5100 | 3200 | 1800 | 1200 | 1100 | 770 | 670 | 510 |
| 01456000
Musconetcong River near
Hackettstown, N.J. | 630 | 280 | 170 | 88 | 43 | 31 | 12* | 12* | 12* |
| 01457500
Delaware River at Riegelsville,
N.J. | 51000 | 22000 | 13000 | 7000 | 4500 | 4100 | 3200 | 2900 | 2500 |
| 01459500
Toniconk Creek at Pipersville, PA. | 1900 | 250 | 100 | 29 | 13 | 12 | 11 | 11* | 11* |
| 01463500
Delaware River at Trenton, N.J. | 53000 | 23000 | 13000 | 7200 | 4500 | 4000 | 3100 | 2800 | 2400 |
| 01467500
Schuylkill River at Pottsville, PA. | 460 | 190 | 120 | 71 | 48 | 43 | 28 | 23 | 18 |
| 01467950
West Branch Schuylkill River at
Cressona, PA. | 340 | 160 | 100 | 61 | 41 | 37 | 25 | 21 | 16 |
| 01468500
Schuylkill River at Landingville, PA. | 1200 | 480 | 310 | 180 | 120 | 110 | 63 | 50 | 37 |
| 01469500
Little Schuylkill River at
Tamaqua, PA. | 520 | 180 | 99 | 50 | 30 | 26 | 13 | 8.9 | 5.8 |
| 01470000
Little Schuylkill River at
Dreherstown, PA. | 1000 | 440 | 290 | 170 | 120 | 100 | 61 | 50 | 37 |

*Set equal to reservoir's basic conservation release

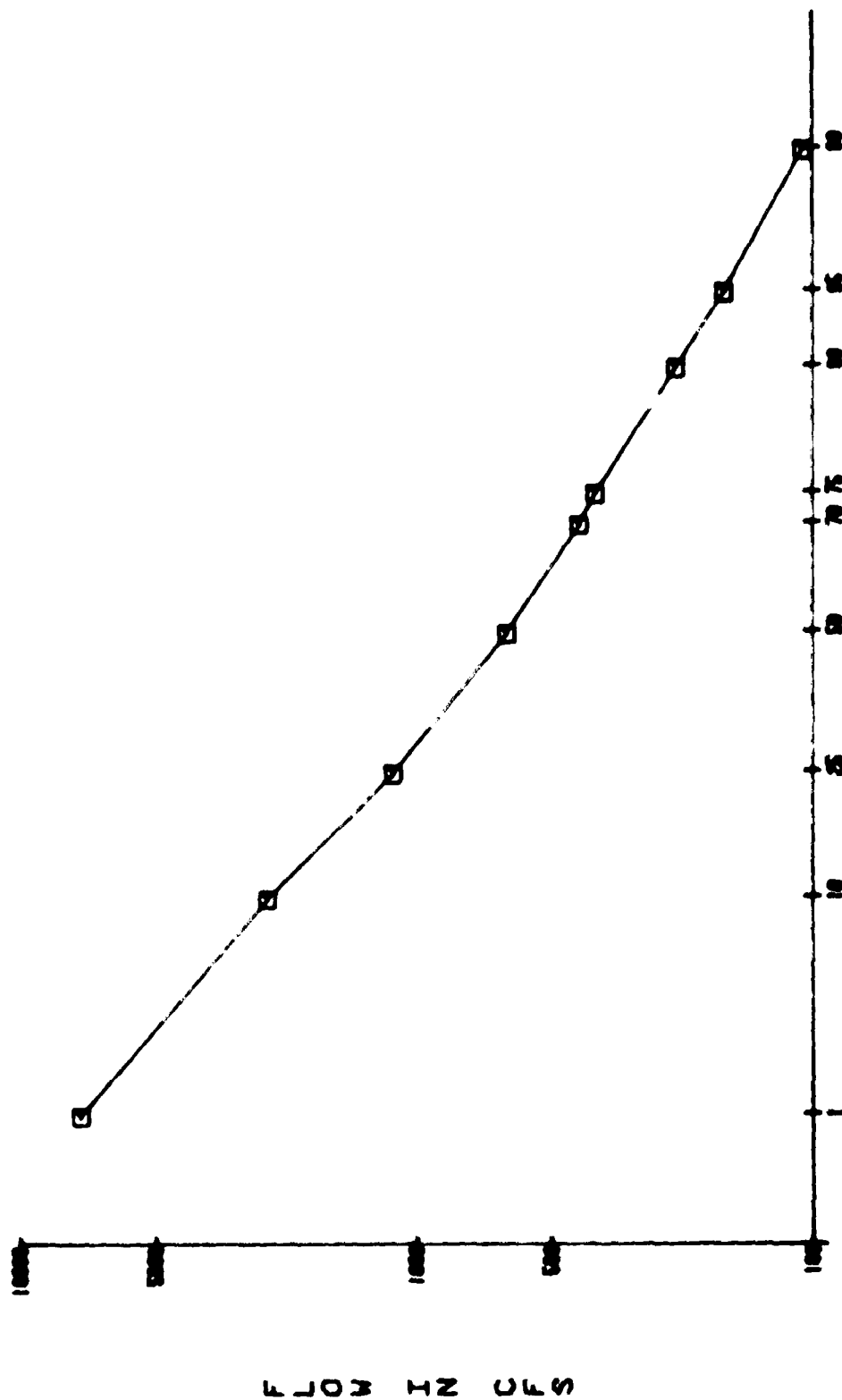
TABLE E-1
COMBINATION 17 FLOW DURATION TABLE (CONT'D)

| Model Node | Percent of Time Discharge was Equaled or Exceeded | | | | | | | | |
|---|---|-------|-------|-------|------|------|------|------|------|
| | 1 | 10 | 25 | 50 | 70 | 75 | 90 | 95 | 99 |
| 01470500
Schuylkill River at Berne, PA. | 3700 | 1400 | 820 | 450 | 290 | 250 | 150 | 120 | 82 |
| 01470756
Maiden Creek at Virginville, PA. | 1500 | 460 | 240 | 120 | 66 | 56 | 32 | 25 | 16 |
| 01470960
Tulpehocken Creek at Blue Marsh
Damsite, PA. | 1400 | 470 | 290 | 160 | 99 | 86 | 50 | 41 | 41* |
| 01471000
Tulpehocken Creek at Reading, PA. | 1700 | 570 | 350 | 190 | 120 | 110 | 70 | 54 | 47 |
| 01471500
Schuylkill River at Reading, PA. | 8600 | 3200 | 1800 | 940 | 560 | 490 | 290 | 220 | 160 |
| 01472000
Schuylkill River at Pottstown, PA. | 9600 | 3800 | 2300 | 1300 | 810 | 710 | 450 | 360 | 260 |
| 01473000
Perkiomen Creek at Graterford, PA. | 4000 | 790 | 340 | 160 | 85 | 74 | 45 | 37 | 22 |
| 01474500
Schuylkill River at Philadelphia, PA. | 17000 | 6200 | 3600 | 1900 | 1100 | 990 | 610 | 490 | 360 |
| Delaware River below
Schuylkill Confluence | 73000 | 32000 | 19000 | 11000 | 6600 | 5900 | 4100 | 3700 | 3200 |
| Delaware River at
Delaware Memorial Bridge | 78000 | 35000 | 21000 | 12000 | 7400 | 6500 | 4500 | 4000 | 3400 |

*Set equal to reservoir's basic conservation release.



PERCENT TIME EQUALED OR EXCEEDED
 Figure E-1. Combination 17 Duration Curve For
 00417000, East Branch Delaware River at
 Downsville, N.Y.



PERCENT TIME EQUALED OR EXCEEDED
 Figure E-2. Combination 17 Duration Curve for
 01421000, East Branch Delaware River at
 Fishs Eddy, N.Y.

This image shows a blank white page. There are dark, irregular borders along the top, bottom, and right edges, which appear to be artifacts from scanning or the edge of the paper. A few small, isolated black pixels or specks are scattered across the surface, most notably near the top center and bottom left. No text, figures, or tables are present.

Figure 1-3. Combination 1: Duration Curve for 01425000, West Branch Delaware River at Stailesville, N.Y.

570 24 025

PERCENTAGE OF COMBINATION IN OPERATION
FIGURE 8-5
COMBINATION IN OPERATION
1947-1949, DELAWARE STATE WAGE SURVEY

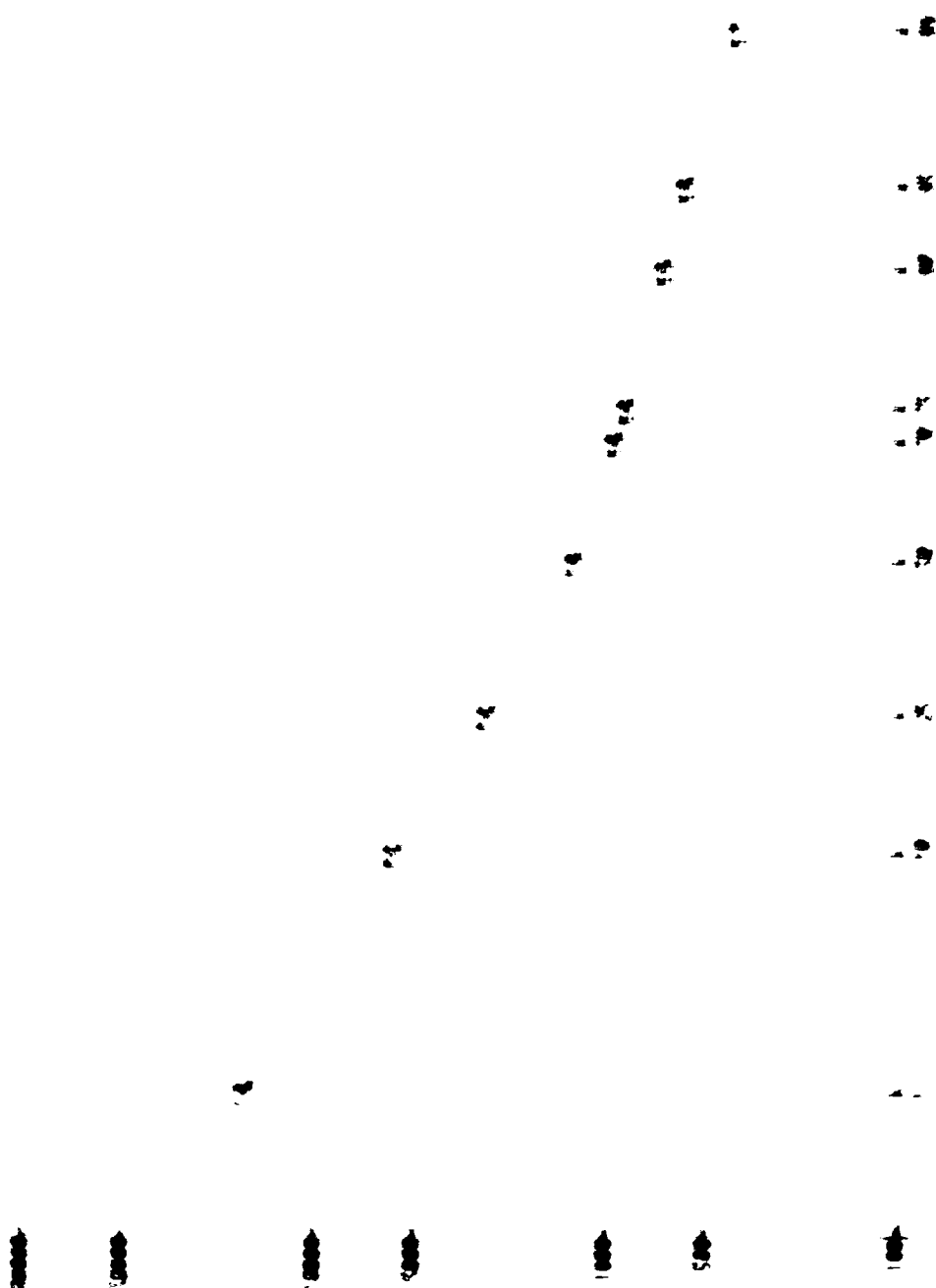


Figure 1. Comparison of the results of the two methods of analysis. The results of the two methods are compared for each category. The results of the two methods are compared for each category. The results of the two methods are compared for each category.

1000

500

100

50

10

5

W L O R H Z O W S

14

12

12

12

13

13

13

12

10

25

50

70 75

90

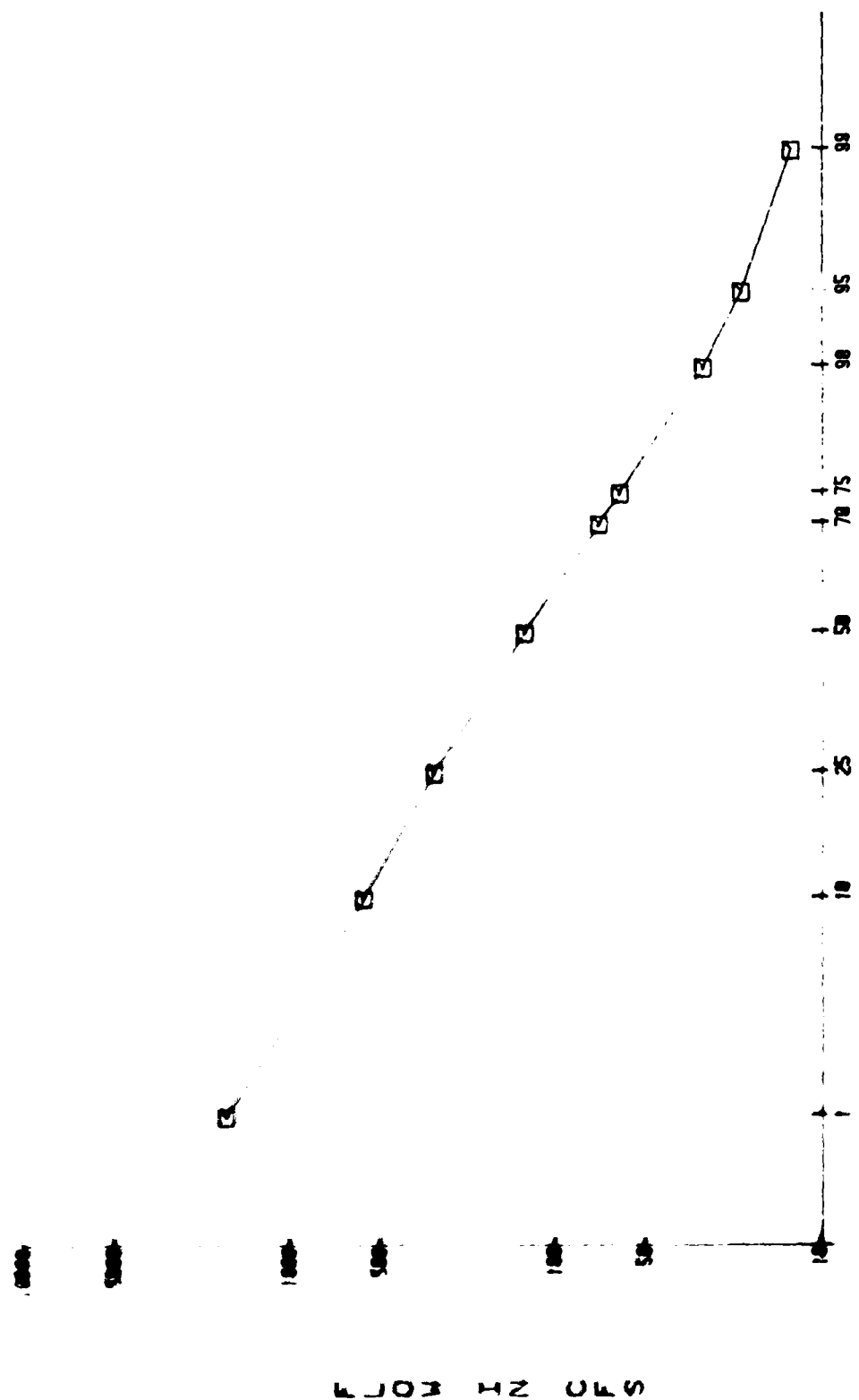
95

99

PERCENT TIME EQUALLED OR EXCEEDED

Figure E-7. Combination 17 Duration Curve For
01429000, Lackawaxen River at Prompton, PA.

Figure 1. Combination 10 Duration Curve for
1975-1976. Doherty Creek near Monocle, N.H.



PERCENT TIME EQUALED OR EXCEEDED

Figure E-9. Combination 17 Duration Curve For
01430000, Lackawaxen River at Honesdale, PA.

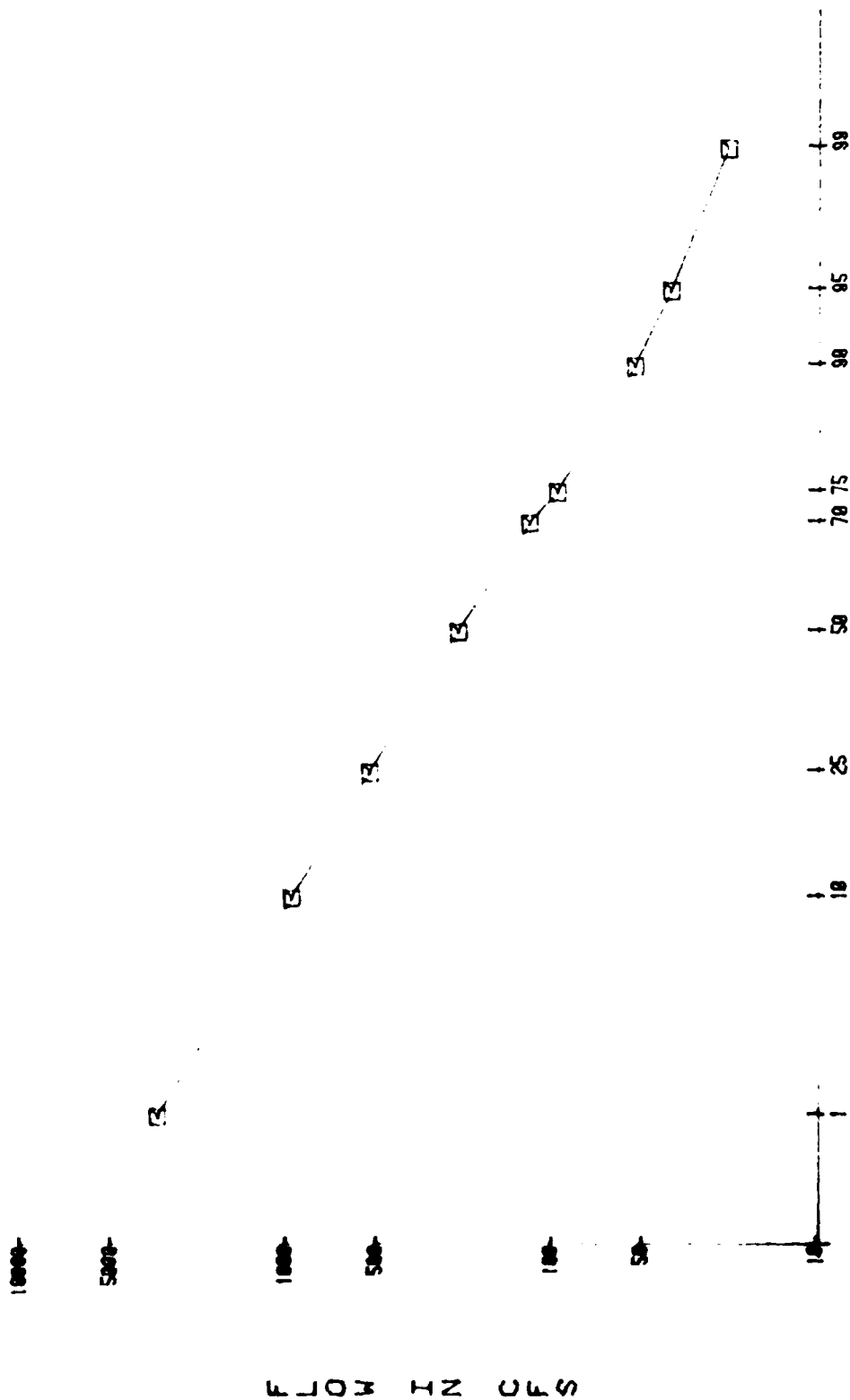
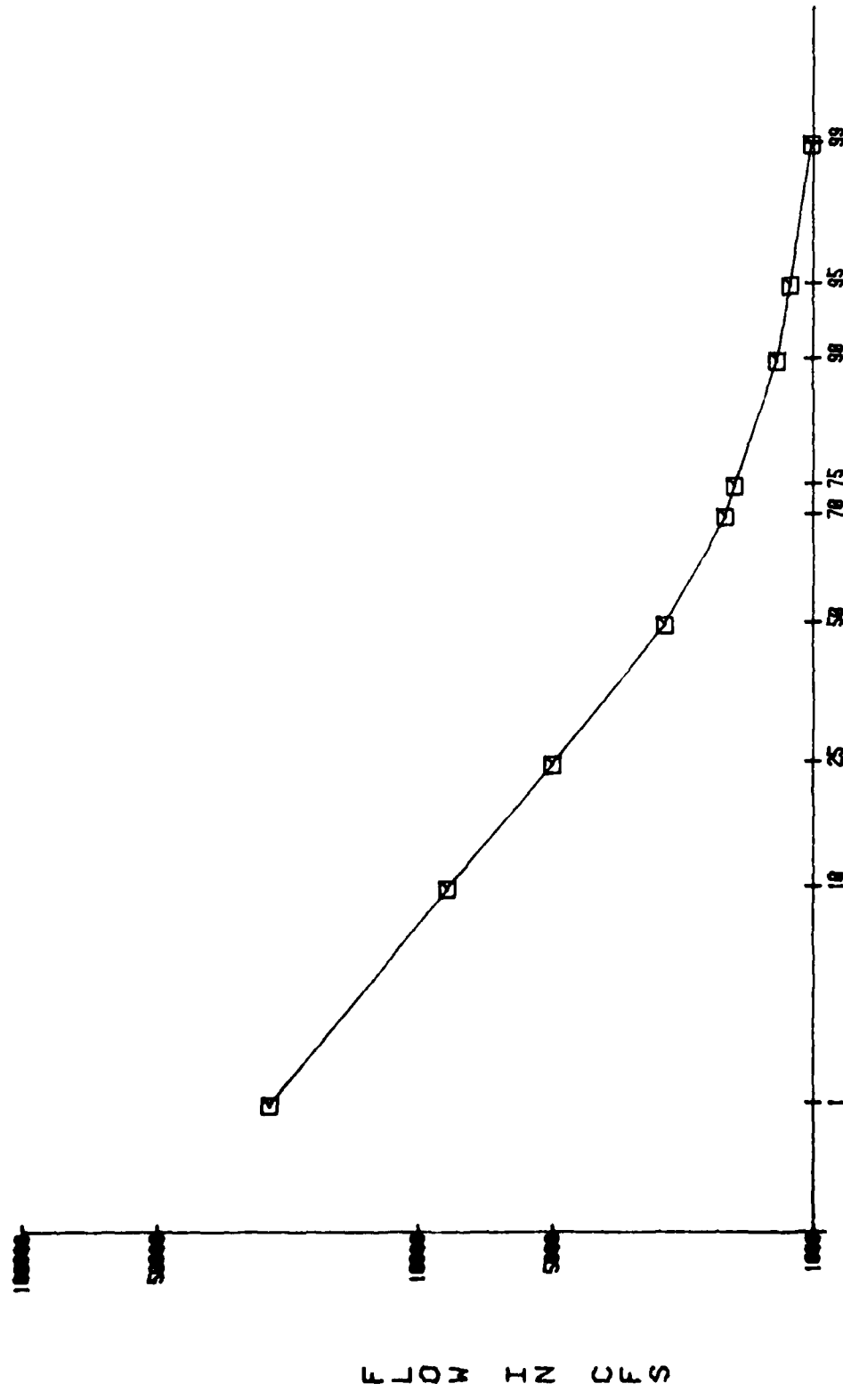
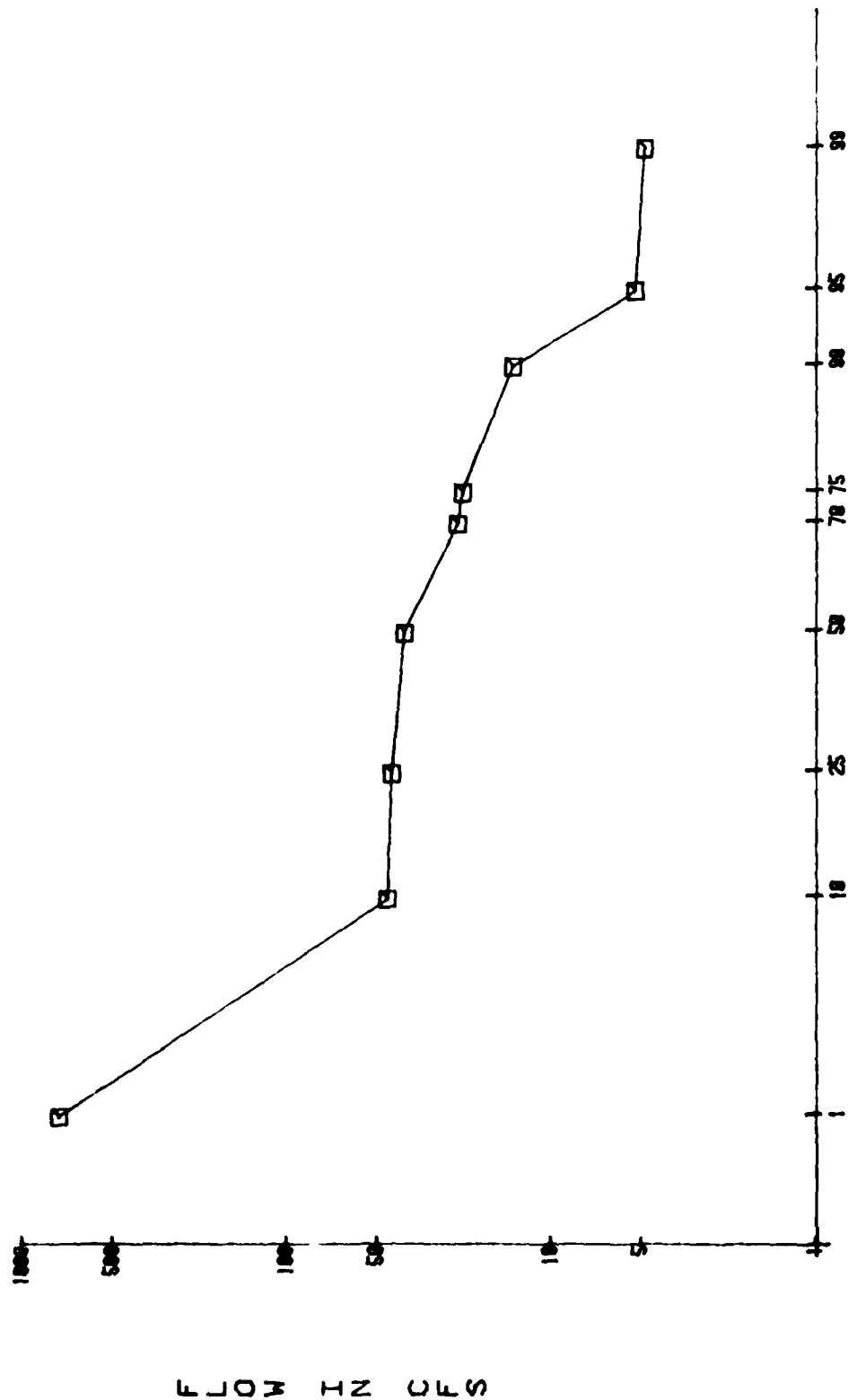


Figure E-10. PERCENT TIME EQUALED OR EXCEEDED
Combination 17 Duration Curve For
01431500, Lackawaxen River at Hawley, PA.

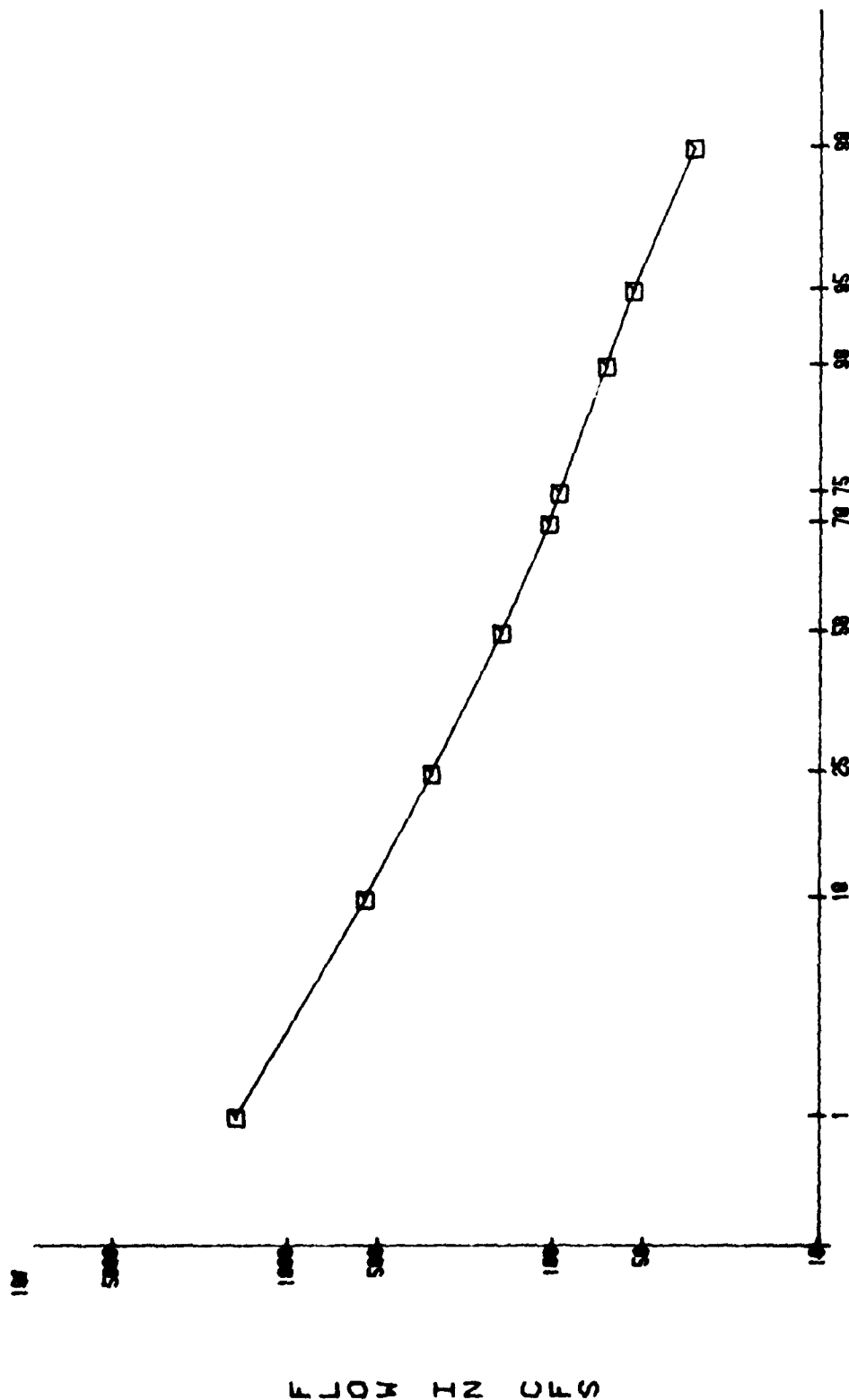


PERCENT TIME EQUALED OR EXCEEDED
 Figure E-11. Combination 17 Duration Curve For
 01434000, Delaware River at Port Jervis, N.Y.

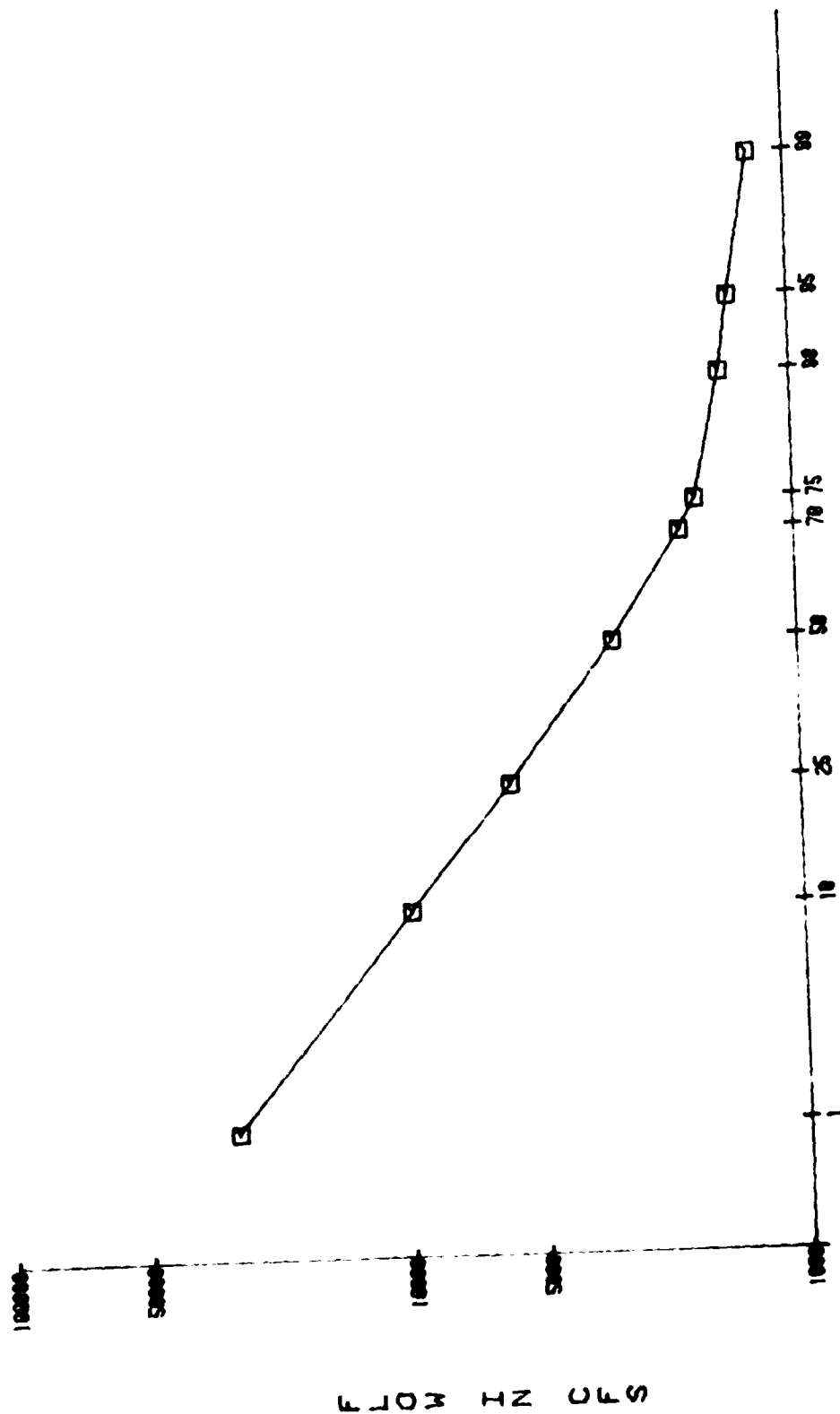


PERCENT TIME EQUALED OR EXCEEDED

Figure E-12. Combination 17 Duration Curve For
01436000, Neversink River at Neversink, N.Y.



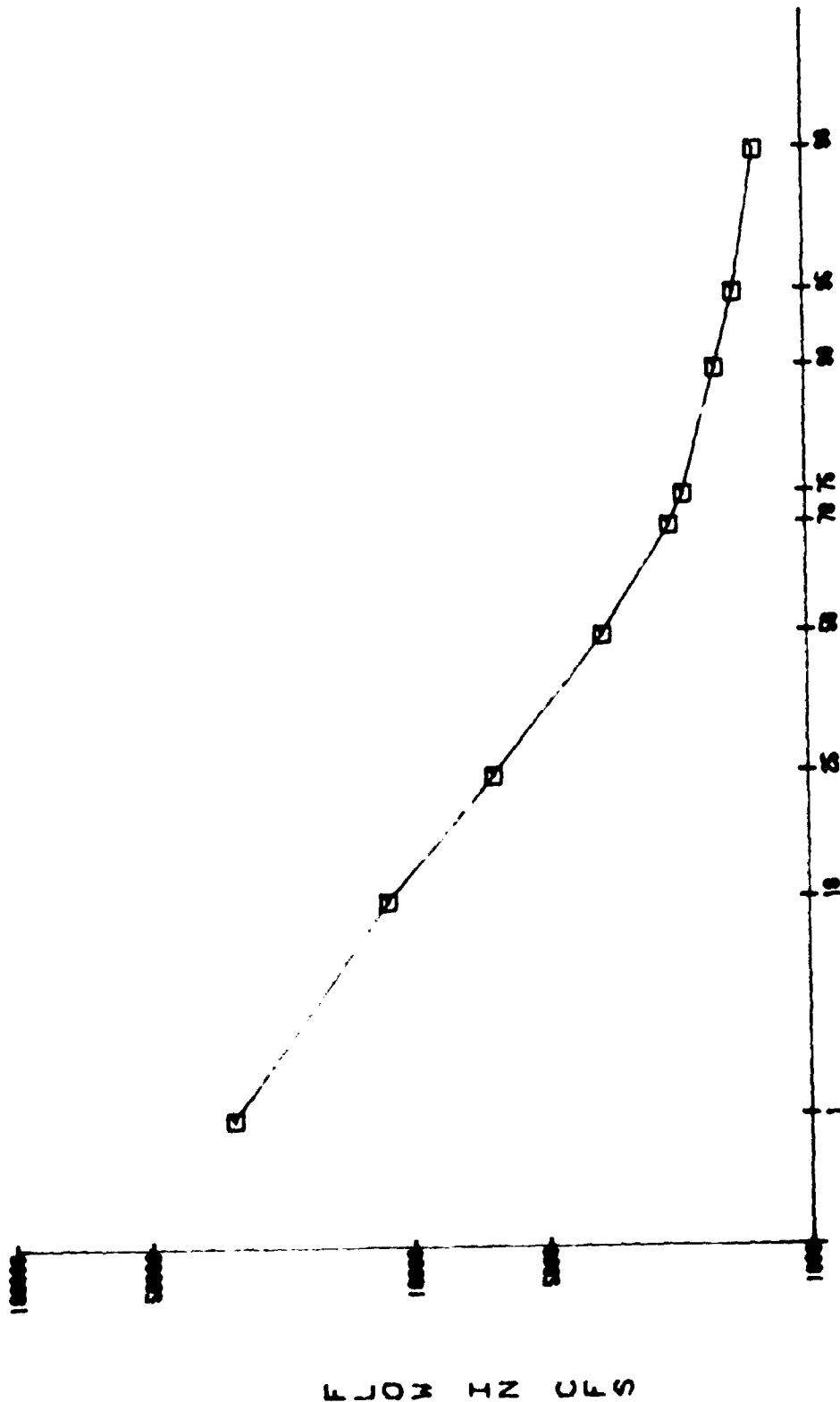
PERCENT TIME EQUALED OR EXCEEDED
 Figure E-13. Combination 17 Duration Curve For
 01437000, Neversink River at Oakland, N.Y.



PERCENT TIME EQUALED OR EXCEEDED

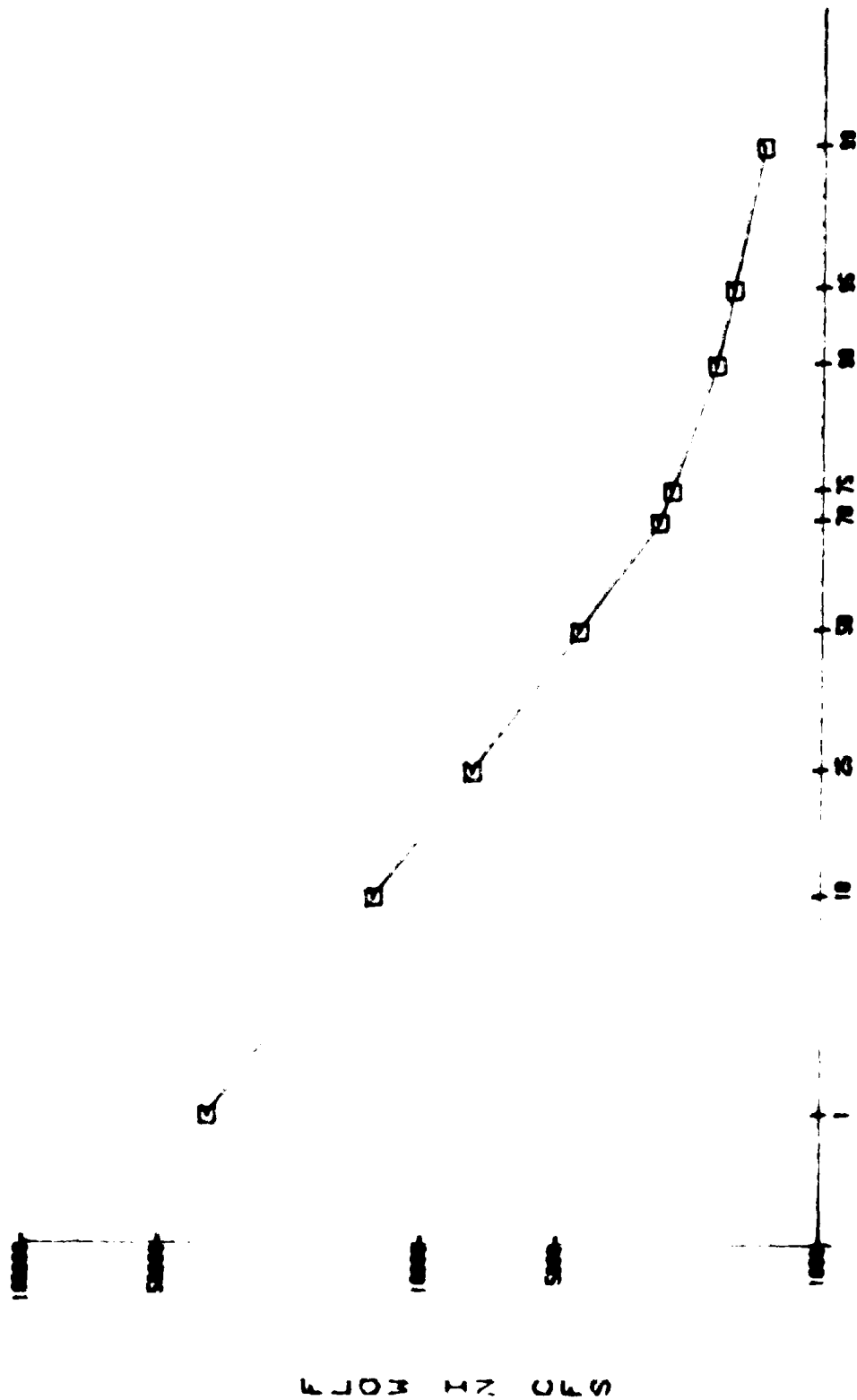
Figure E-14. Combination 17 Duration Curve For
01438500, Delaware River at Montague, N.J.

11



PERCENT TIME EQUALED OR EXCEEDED

Figure E-15. Combination 17 Duration Curve For
01440200, Delaware River Below
Tocks Island Dam site, PA.



PERCENT TIME EQUALED OR EXCEEDED

Figure E-16. Combination 17 Duration Curve For
01446500, Delaware River at Belvidere, N.J.

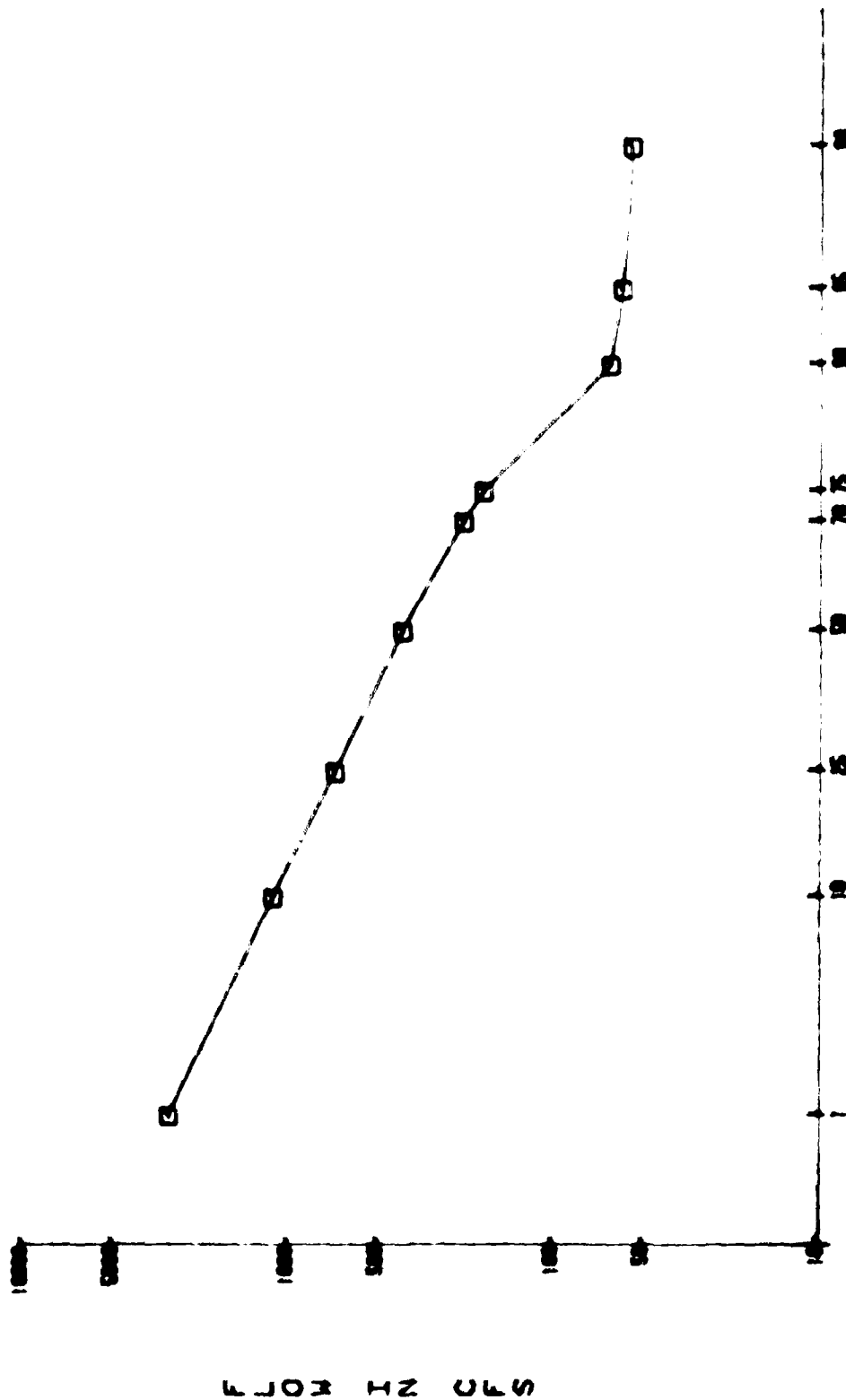
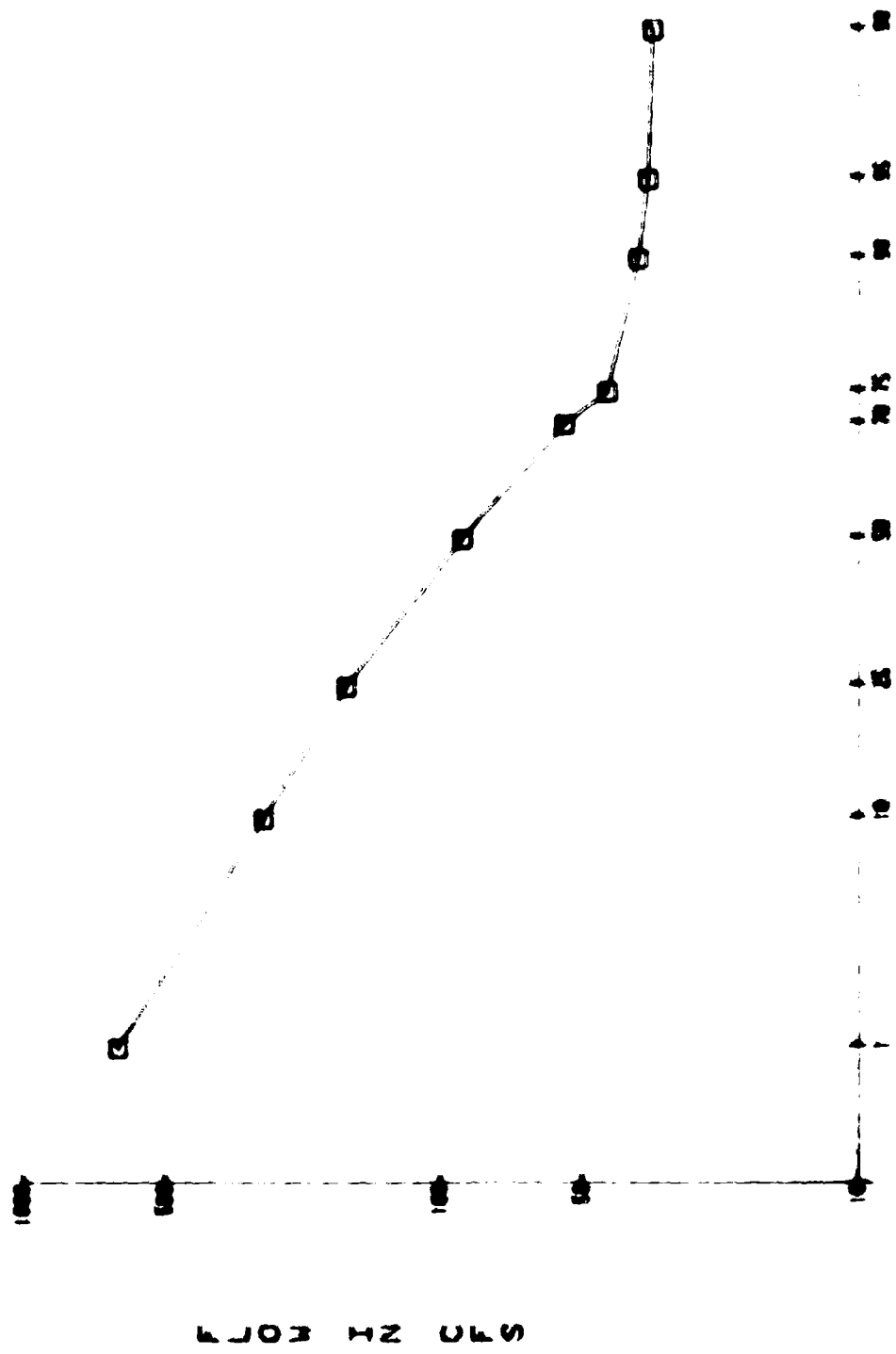
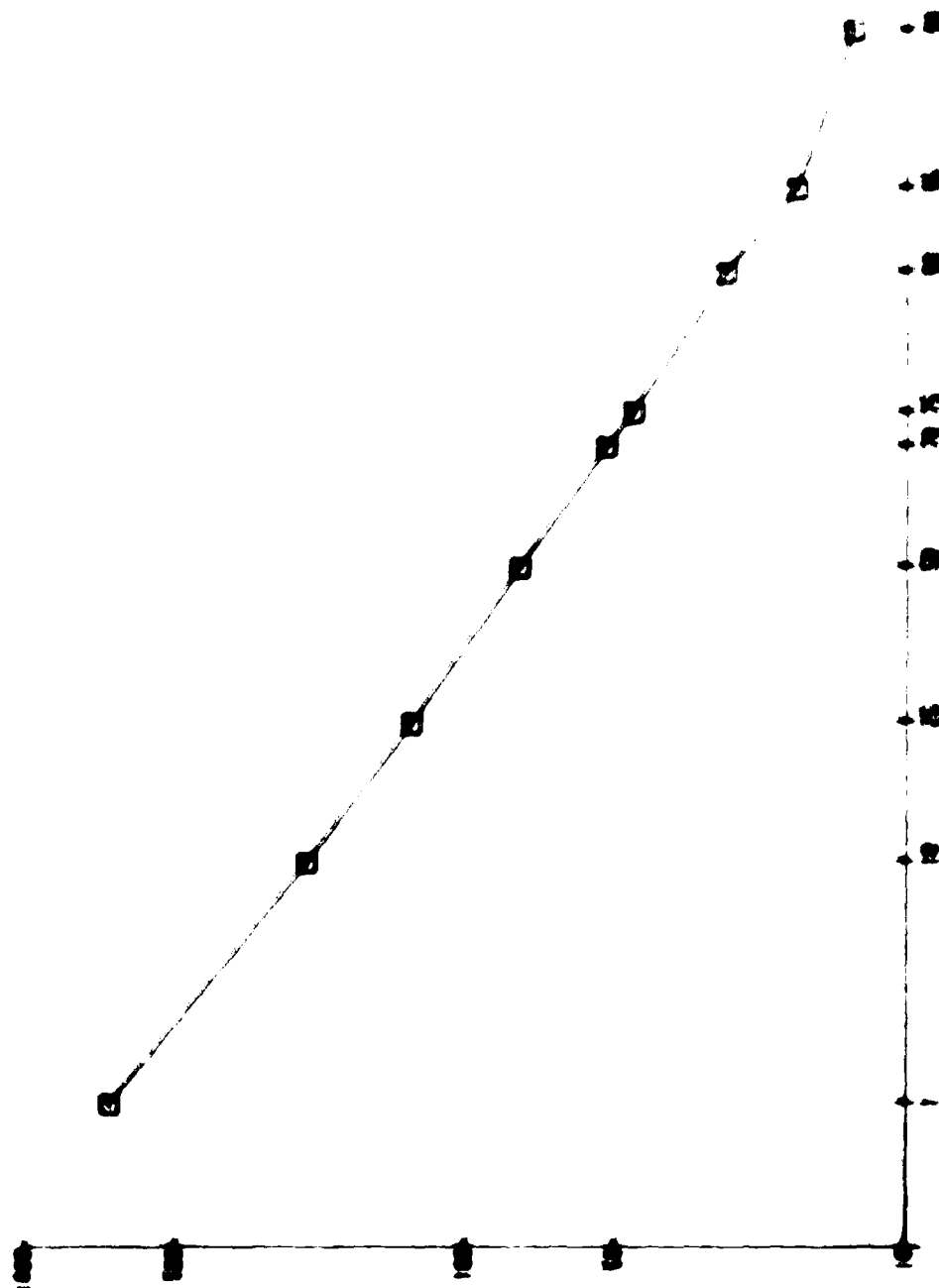


Figure E-17. Combination 17 Duration Curve for
01447800, Lehigh River at White Haven, PA.



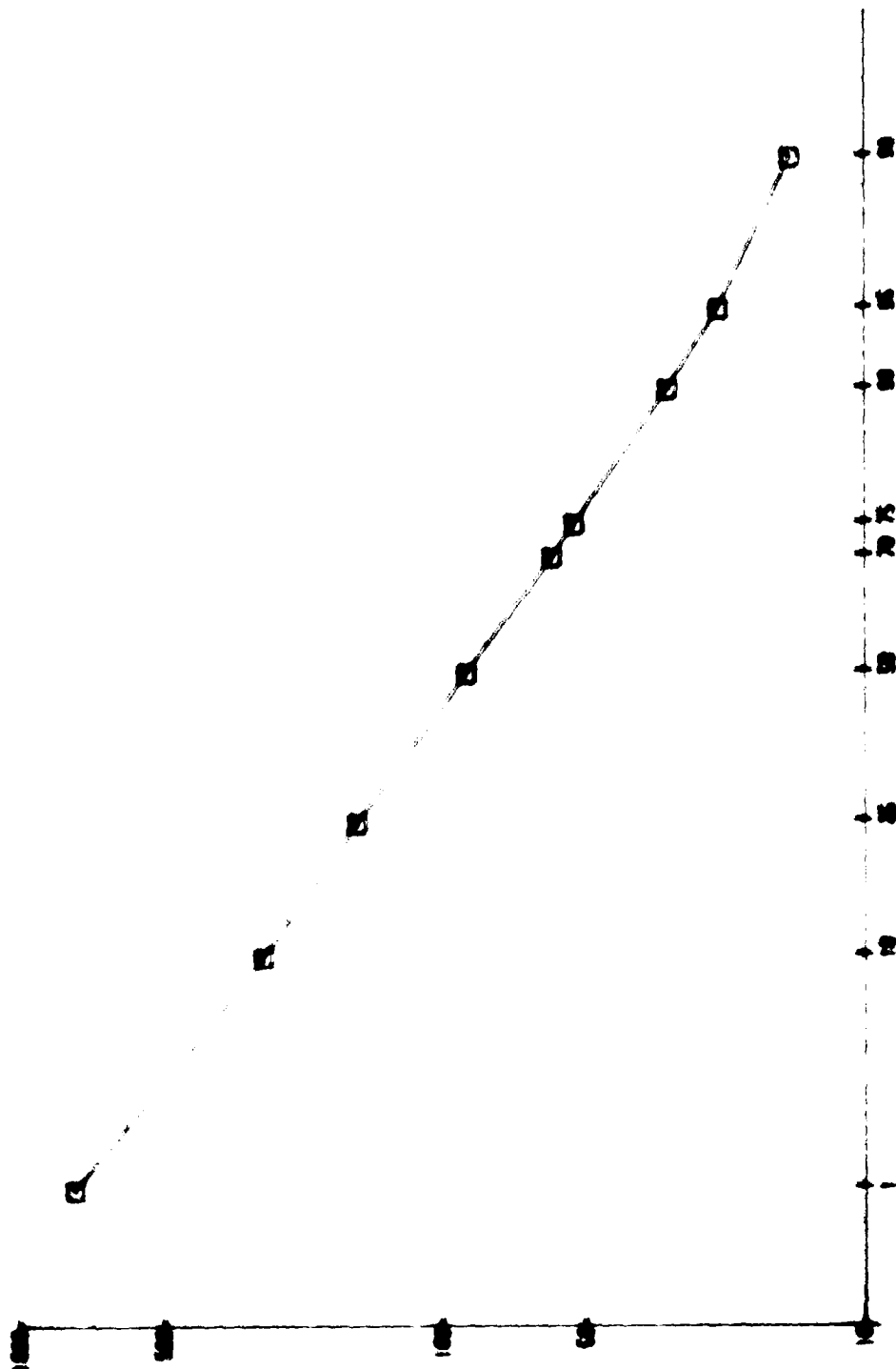
PERCENT TIME EQUALED OR EXCEEDED

Figure E-18. Combination 17 Duration Curve for
 Oldsmar, Polk County, Georgia (crest at Bellville Dam, 1961)



PERCENT TIME EQUALED OR EXCEEDED

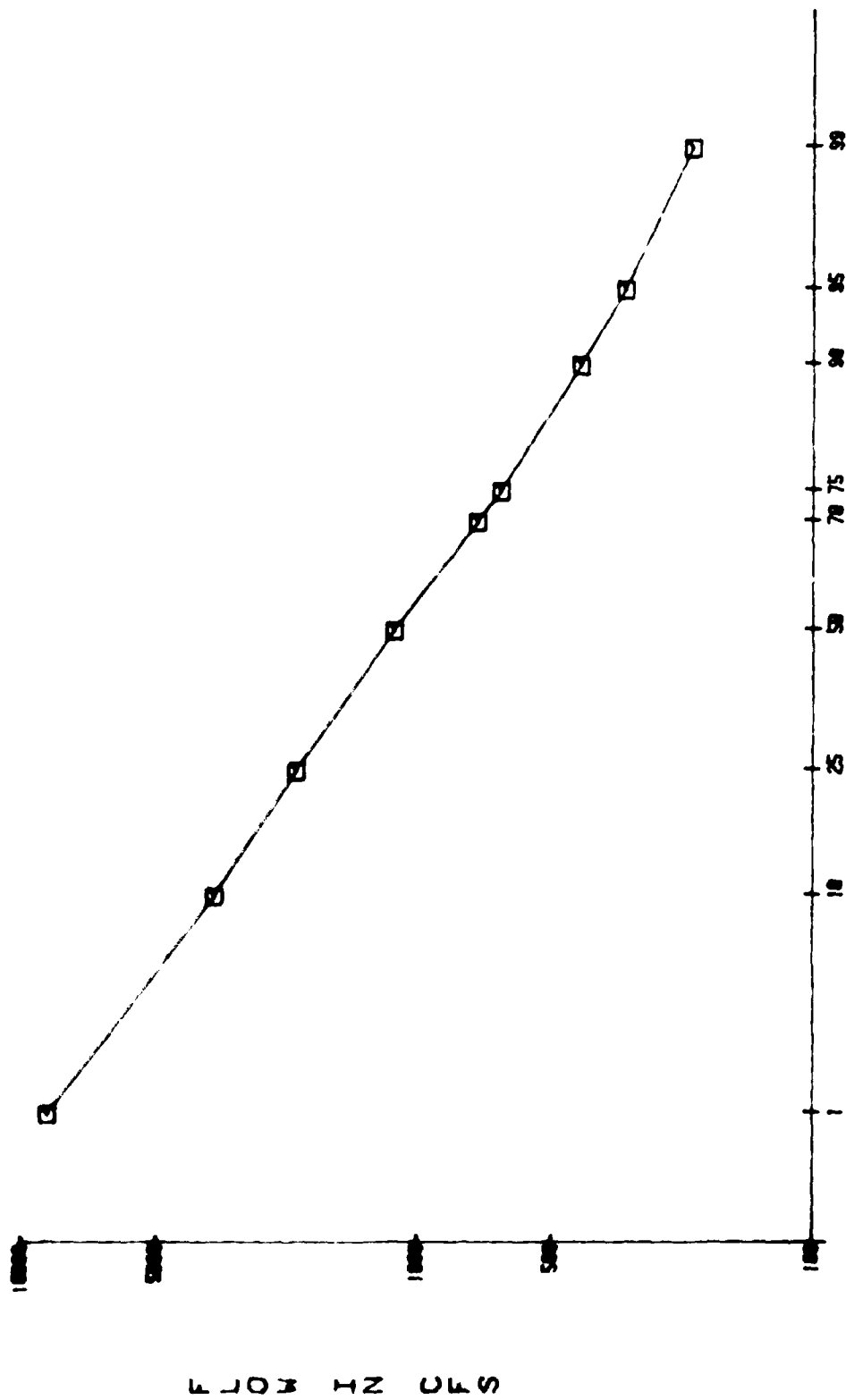
Figure 8-19. Combination 17 Duration Curve for
Aquashicola Creek at Aquashicola Dam Site, PA



PERCENT TIME EQUALED OR EXCEEDED

Figure E-20. Combination 17 Duration Curve for

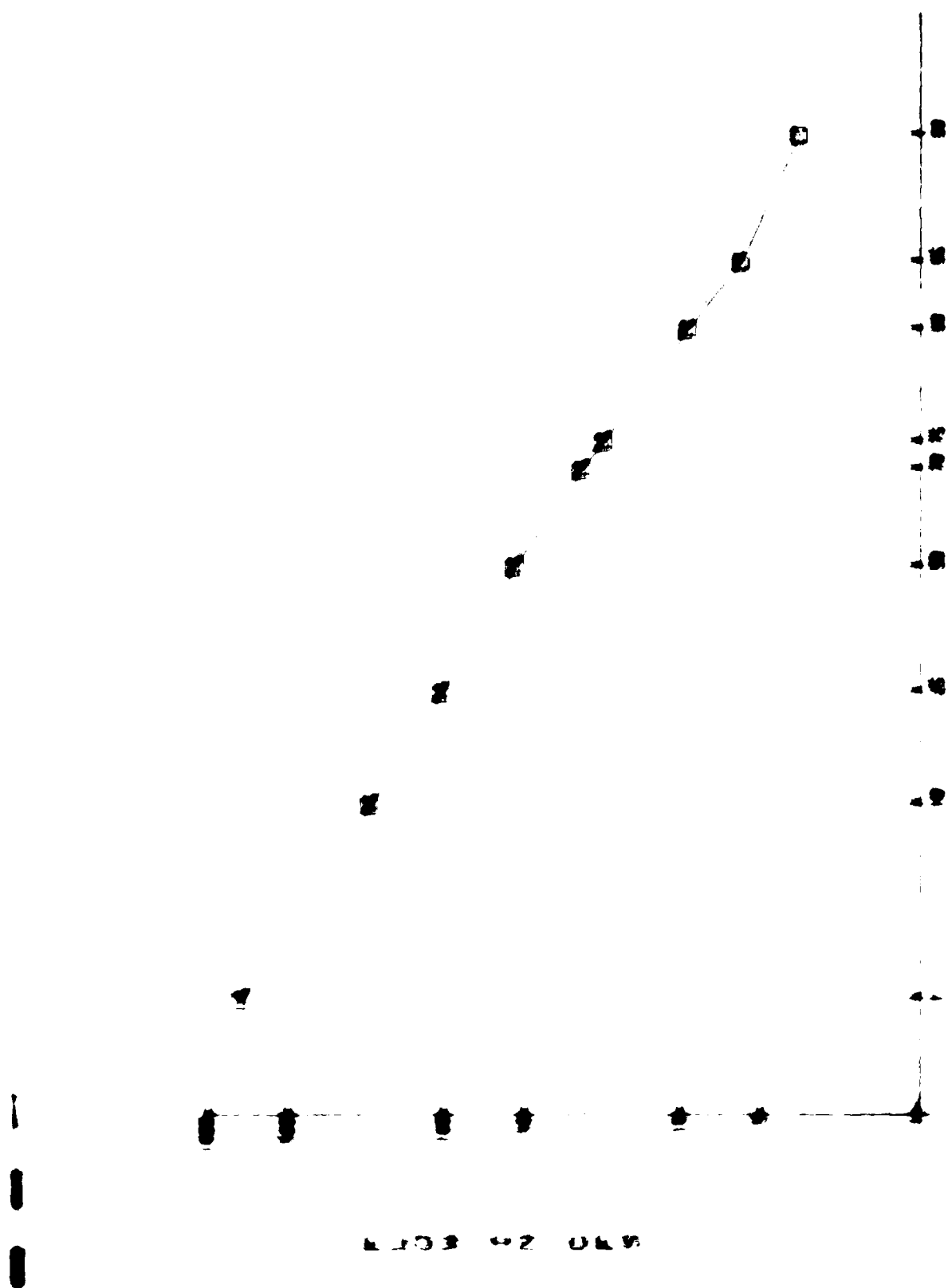
01450500, Aquashicola Creek at Palmerton, PA.



PERCENT TIME EQUALED OR EXCEEDED
 Figure E-21. Combination 17 Duration Curve For
 01451000, Lehigh River at Walnutport, PA.

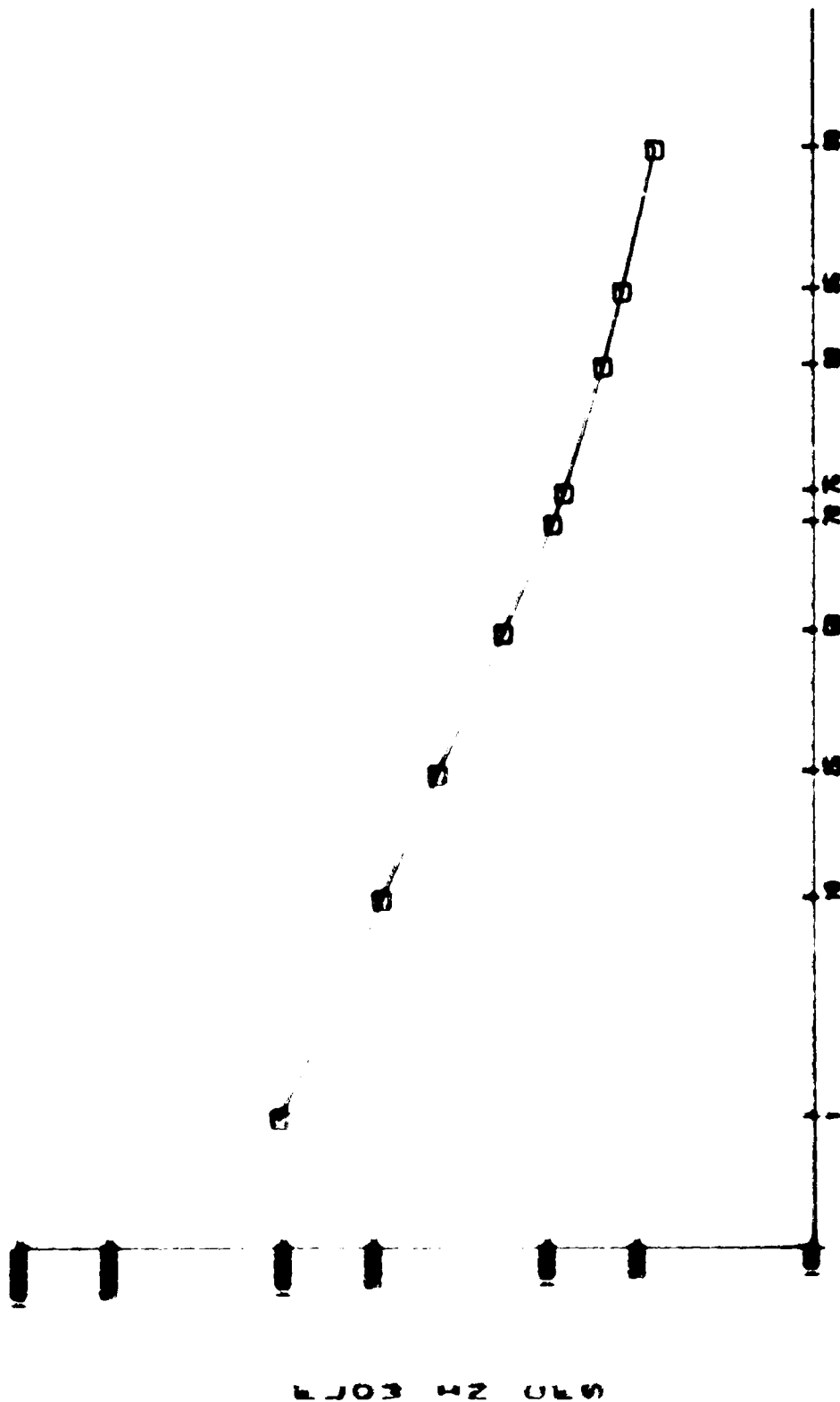
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1215 EAST 58TH STREET, CHICAGO, ILL. 60637
TEL. 373-5100
C. J. B. A. S. 1970 C. J. B. A. S. 1970 C. J. B. A. S. 1970

1970 C. J. B. A. S. 1970 C. J. B. A. S. 1970



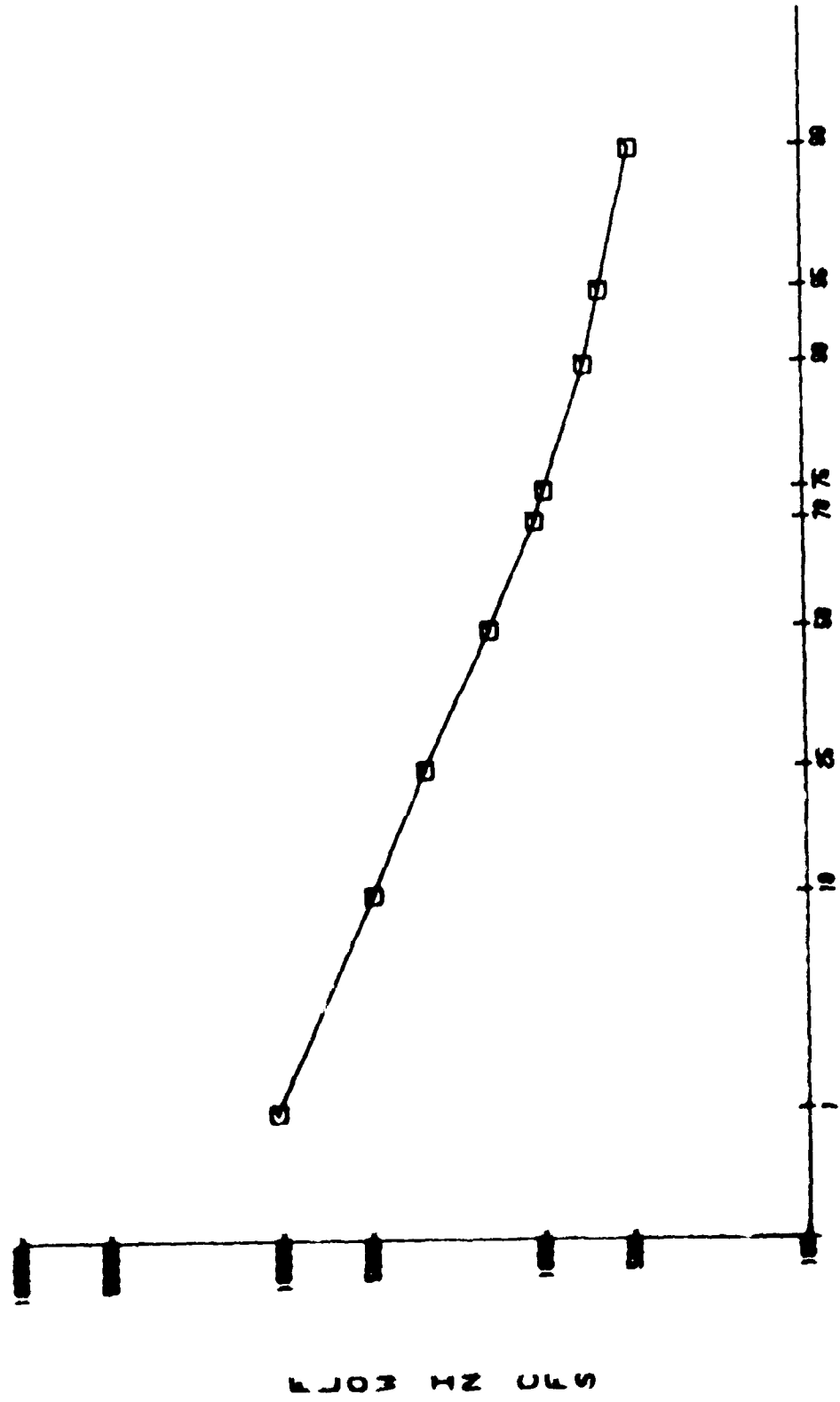
PERCENT TIME EQUALED OR EXCEEDED

Figure E-23 Combination 12 Duration Curve for
07451270, Jordan Creek at Allentown, Pa.



PERCENT TIME EQUALED OR EXCEEDED

Figure E-24. Combination 17 Duration Curve for
01453000, Lehigh River at Bethlehem, PA.



PERCENT TIME EQUALED OR EXCEEDED

Figure E-25. Combination 17 Duration Curve For
01454700, Lehigh River at Glendon, PA.

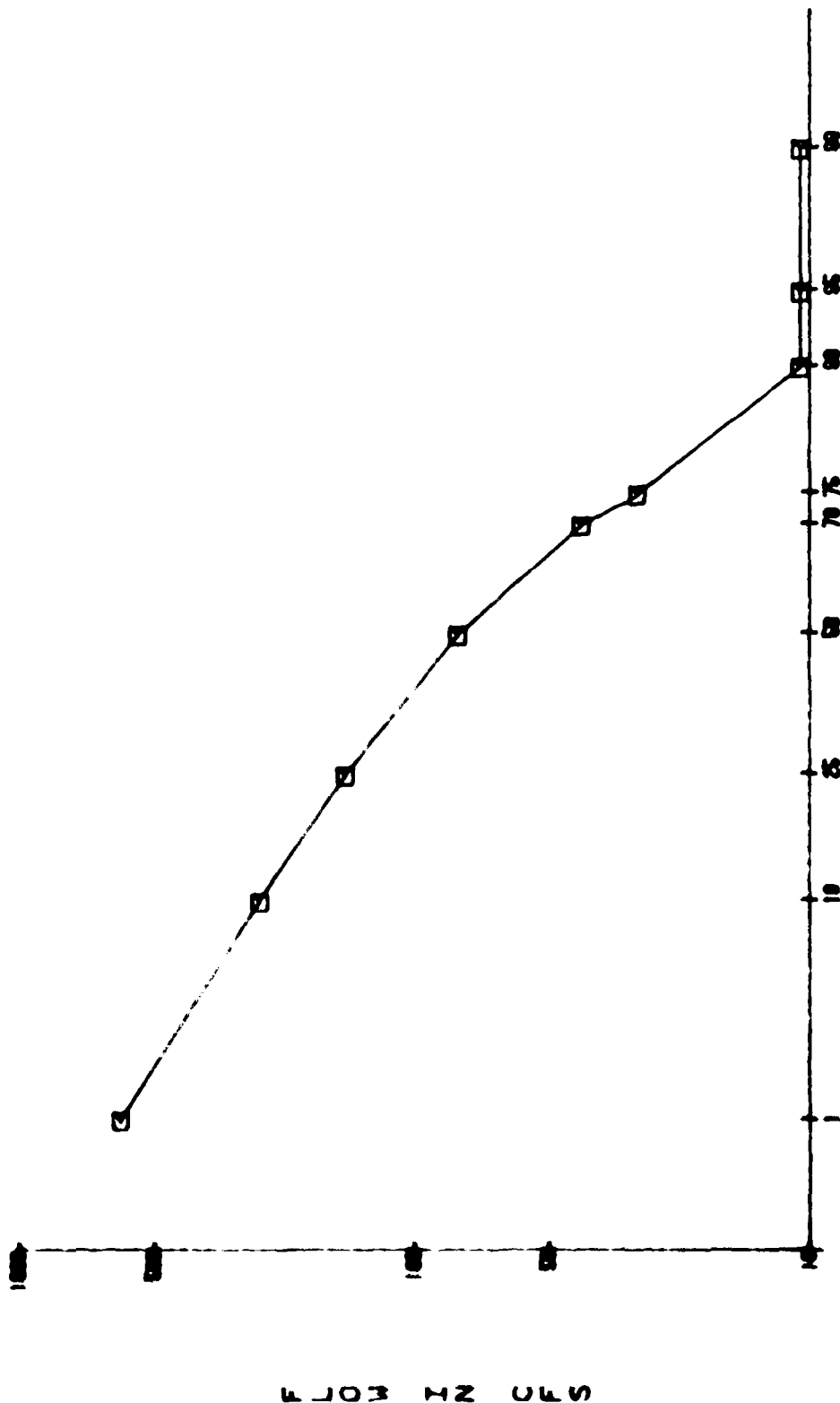
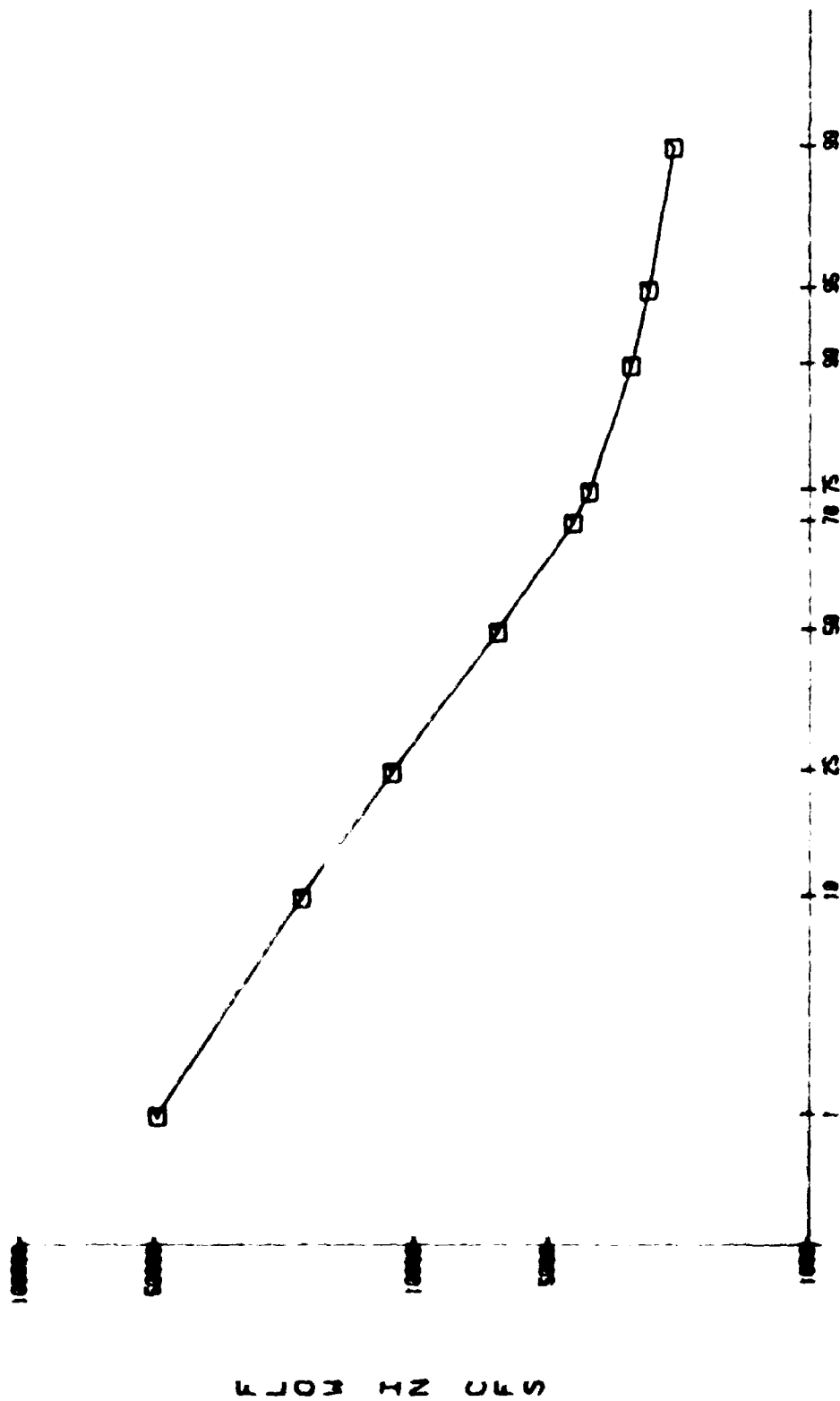
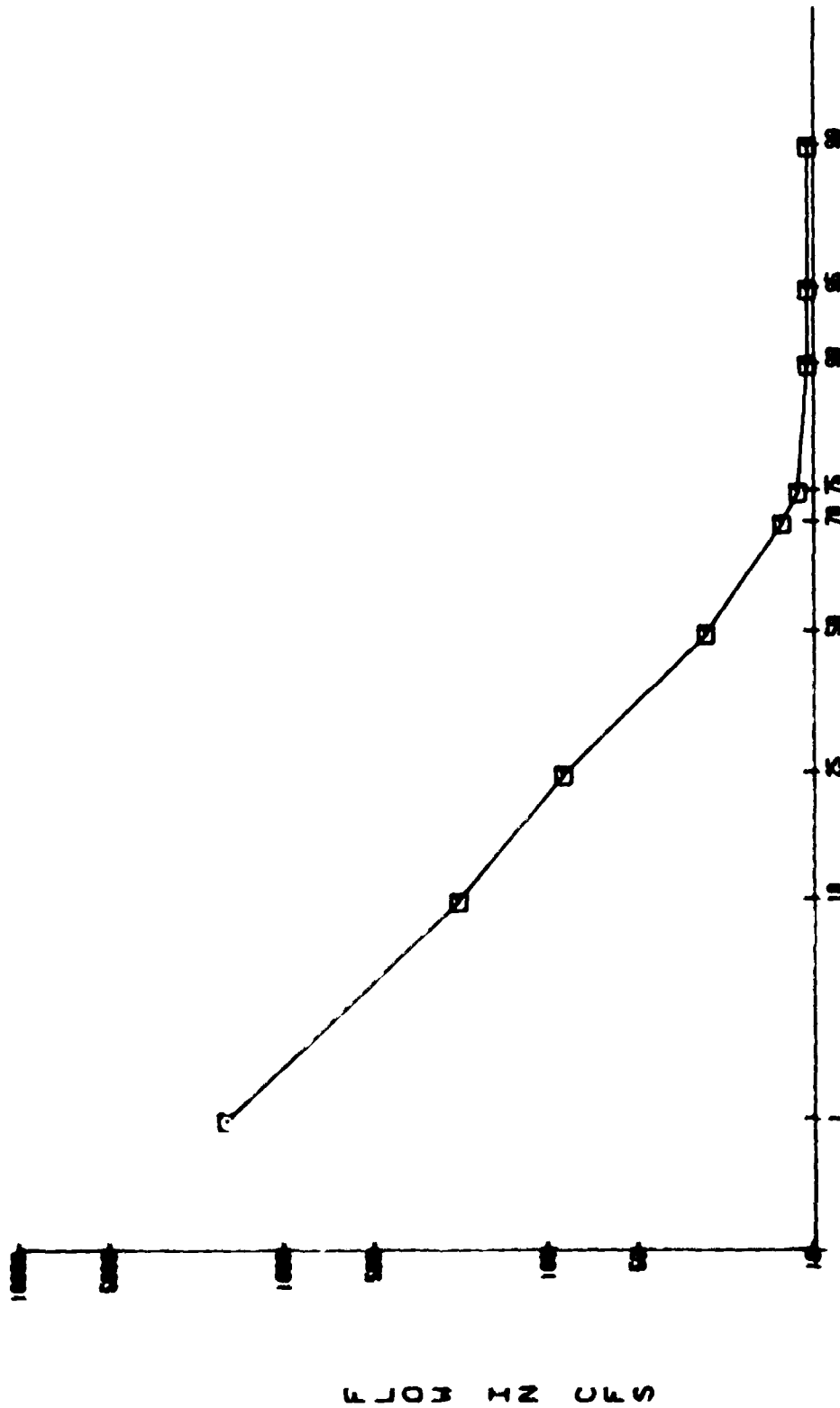


Figure E-26. Combination 17 Duration Curve For
01456000, Musconetcong River Near
Hackettstown, N.J.



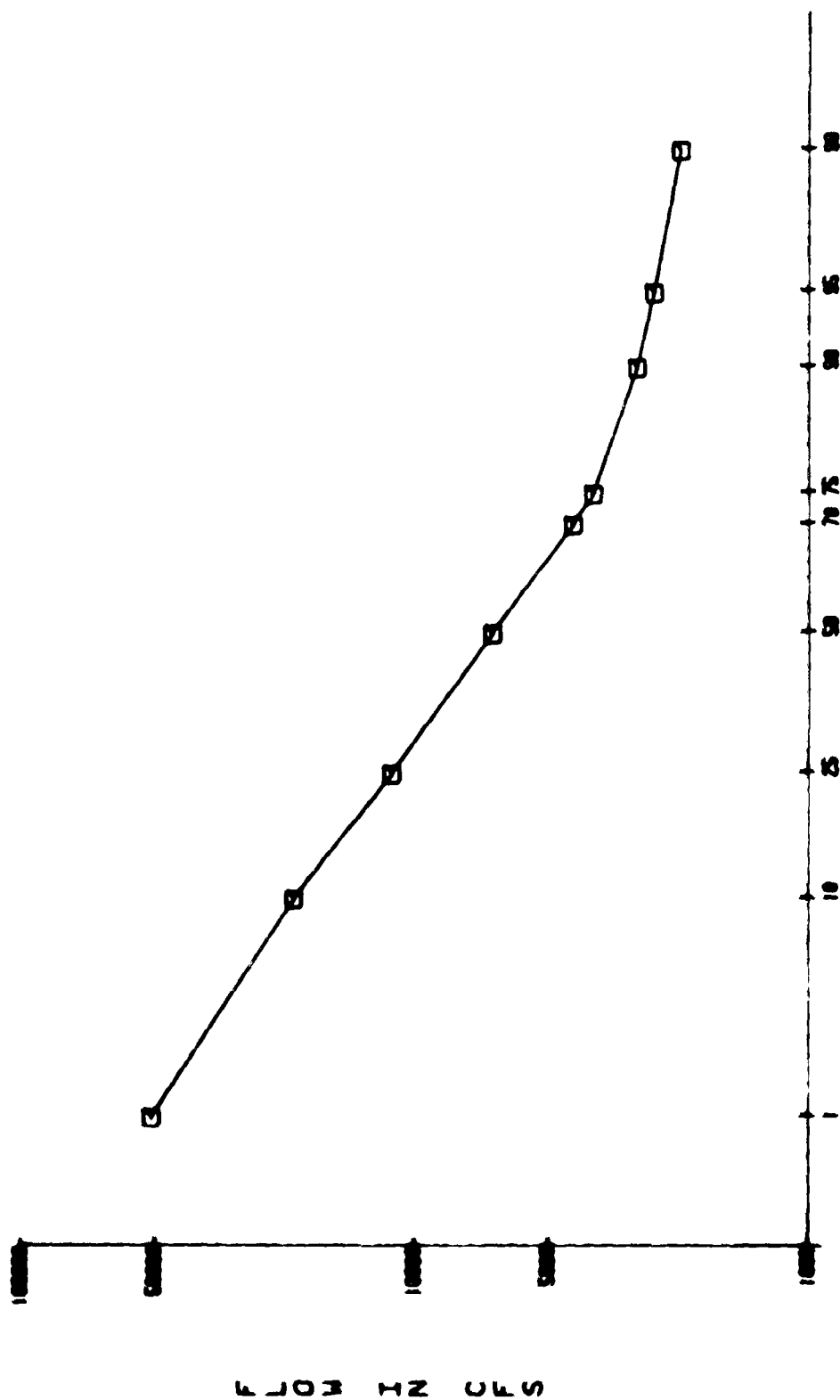
PERCENT TIME EQUALED OR EXCEEDED

Figure E-27. Combination 17 Duration Curve for
01457500, Delaware River at Riegelsville, N.J.

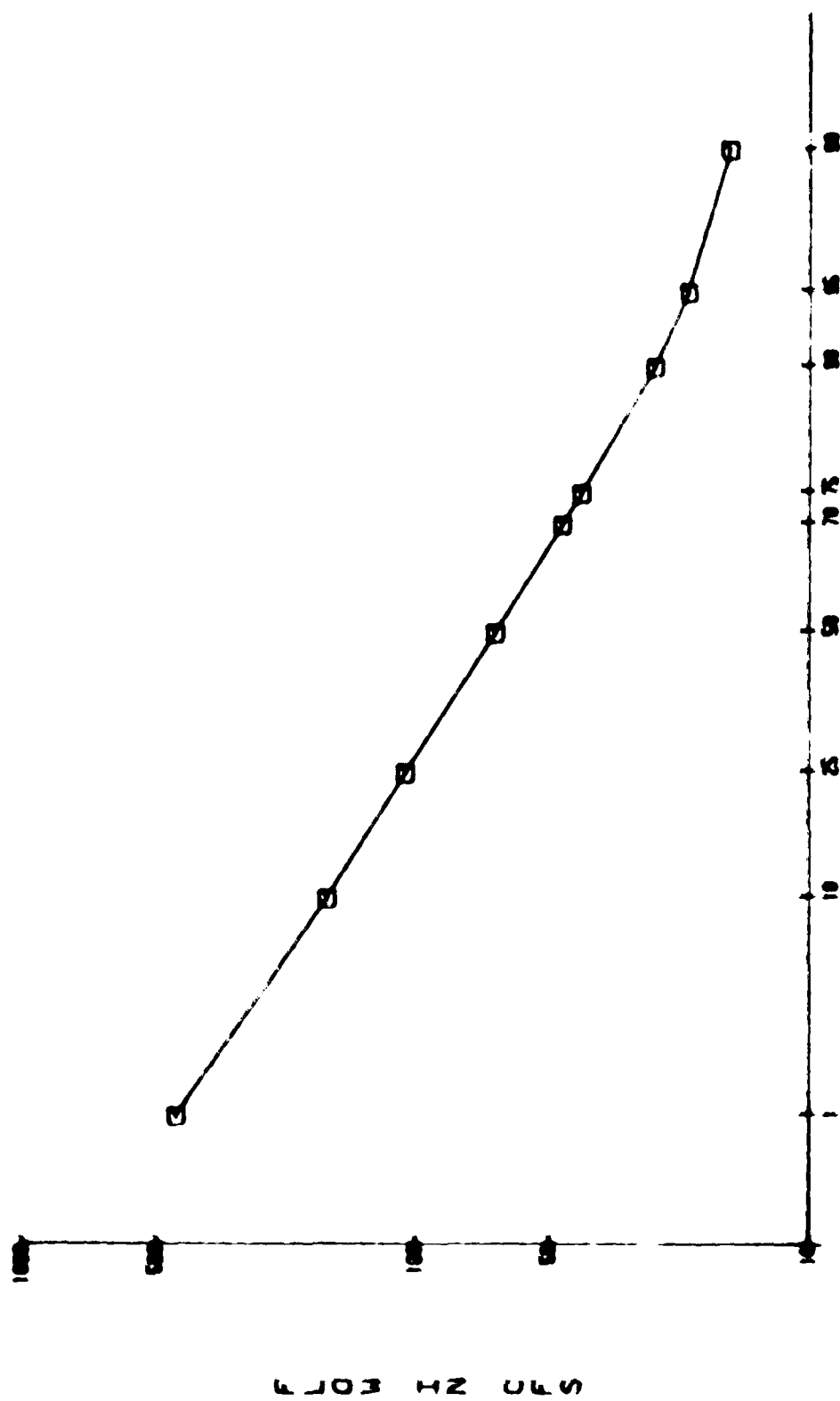


PERCENT TIME EQUALED OR EXCEEDED

Figure E-28. Combination 17 Duration Curve for
01459500, Tohickon Creek at Pipersville, PA.

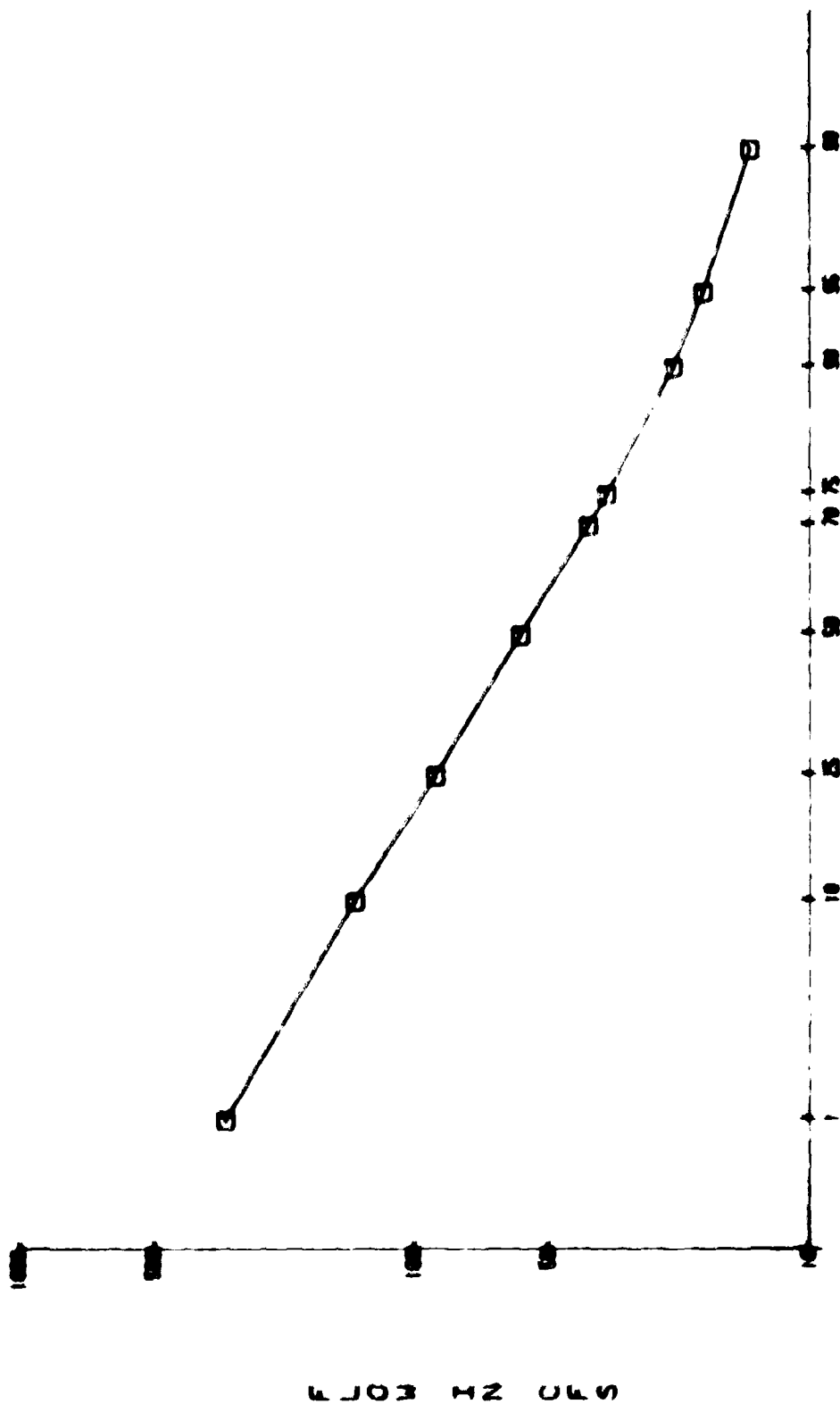


PERCENT TIME EQUALED OR EXCEEDED
 Figure E-29. Combination 17 Duration Curve for
 01463500, Delaware River at Trenton, N.J.



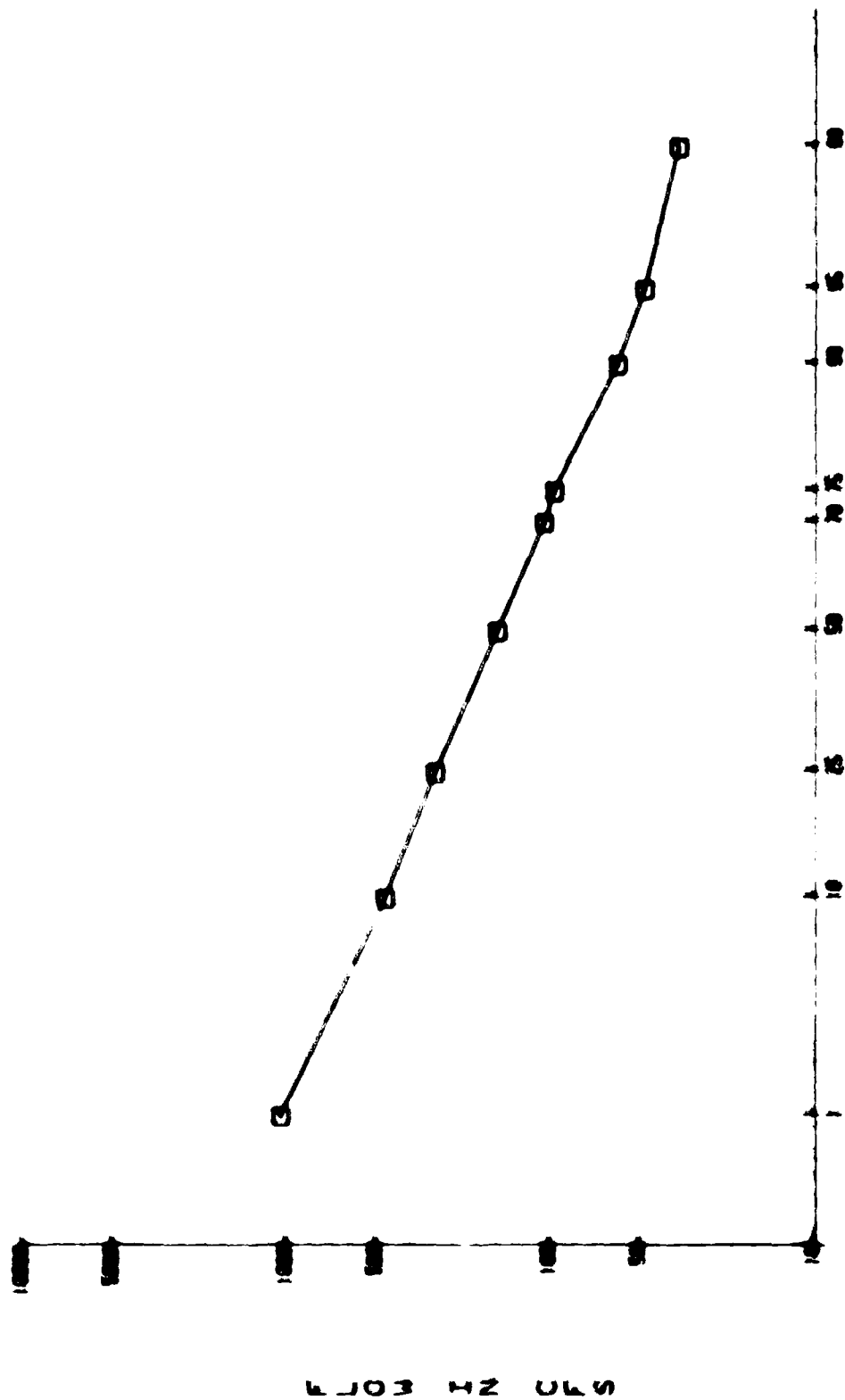
PERCENT TIME EQUALED OR EXCEEDED

Figure E-30. Combination 17 Duration Curve for
71467500, Schuylkill River at Pottsville, PA.



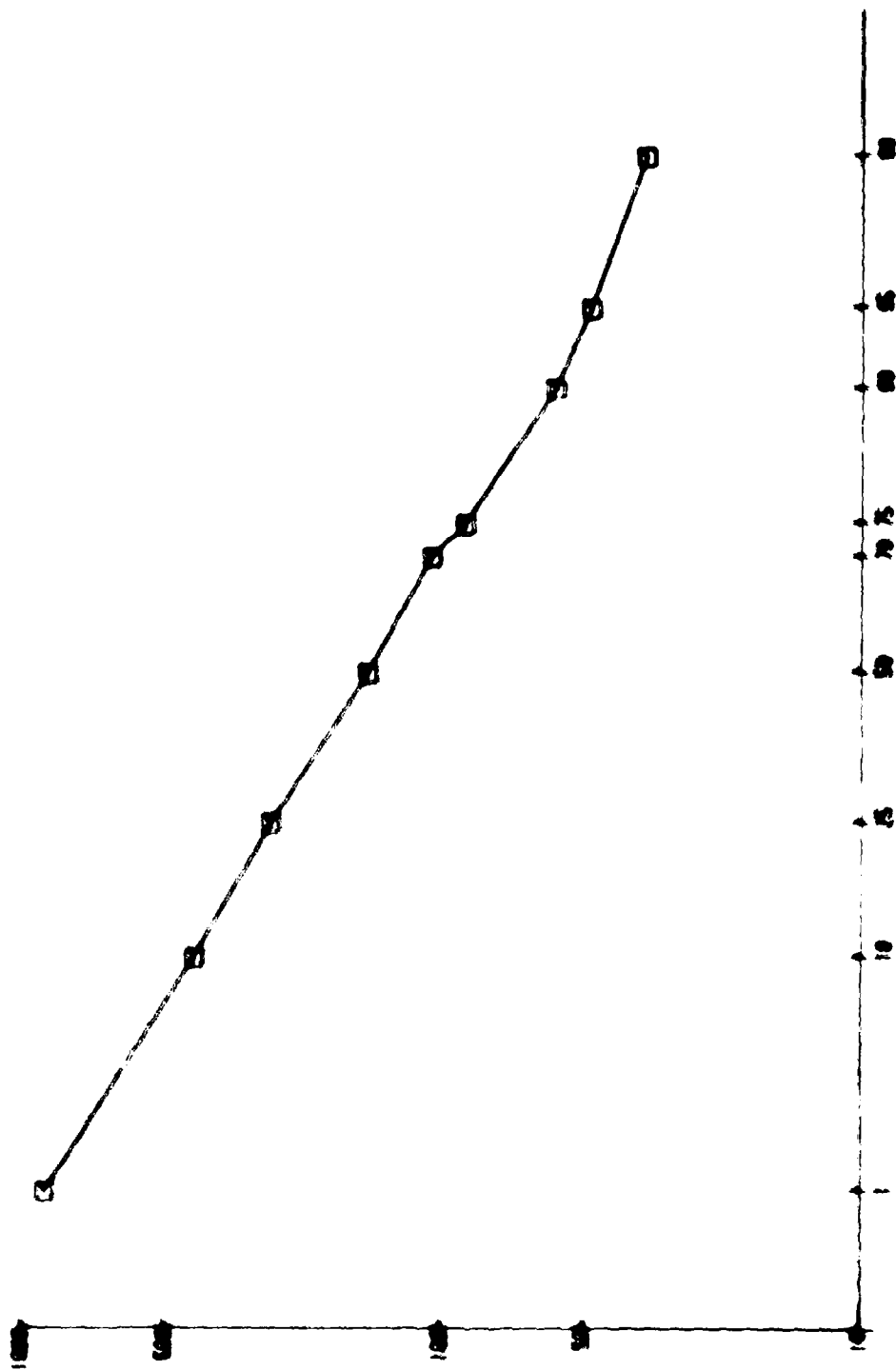
PERCENT TIME EQUALED OR EXCEEDED

Figure E-31. Combination 17 Duration Curve for
01457050, West Branch Schuylkill River
at Cressona, PA.



PERCENT TIME EQUALED OR EXCEEDED

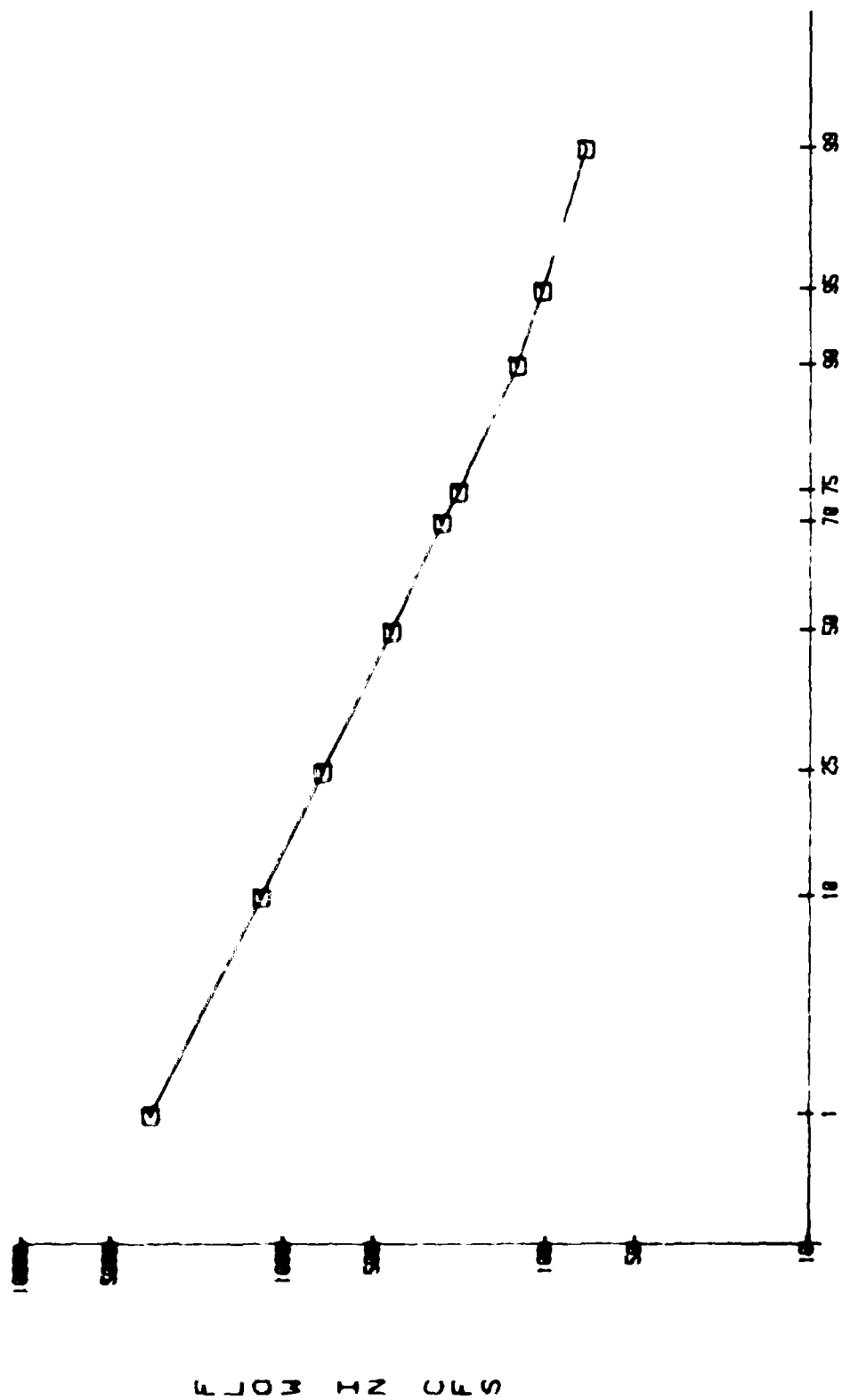
Figure E-32. Combination 17 Duration Curve for Oldenham, Schuykill River at Landingville, PA.



PERCENT TIME EQUALED OR EXCEEDED

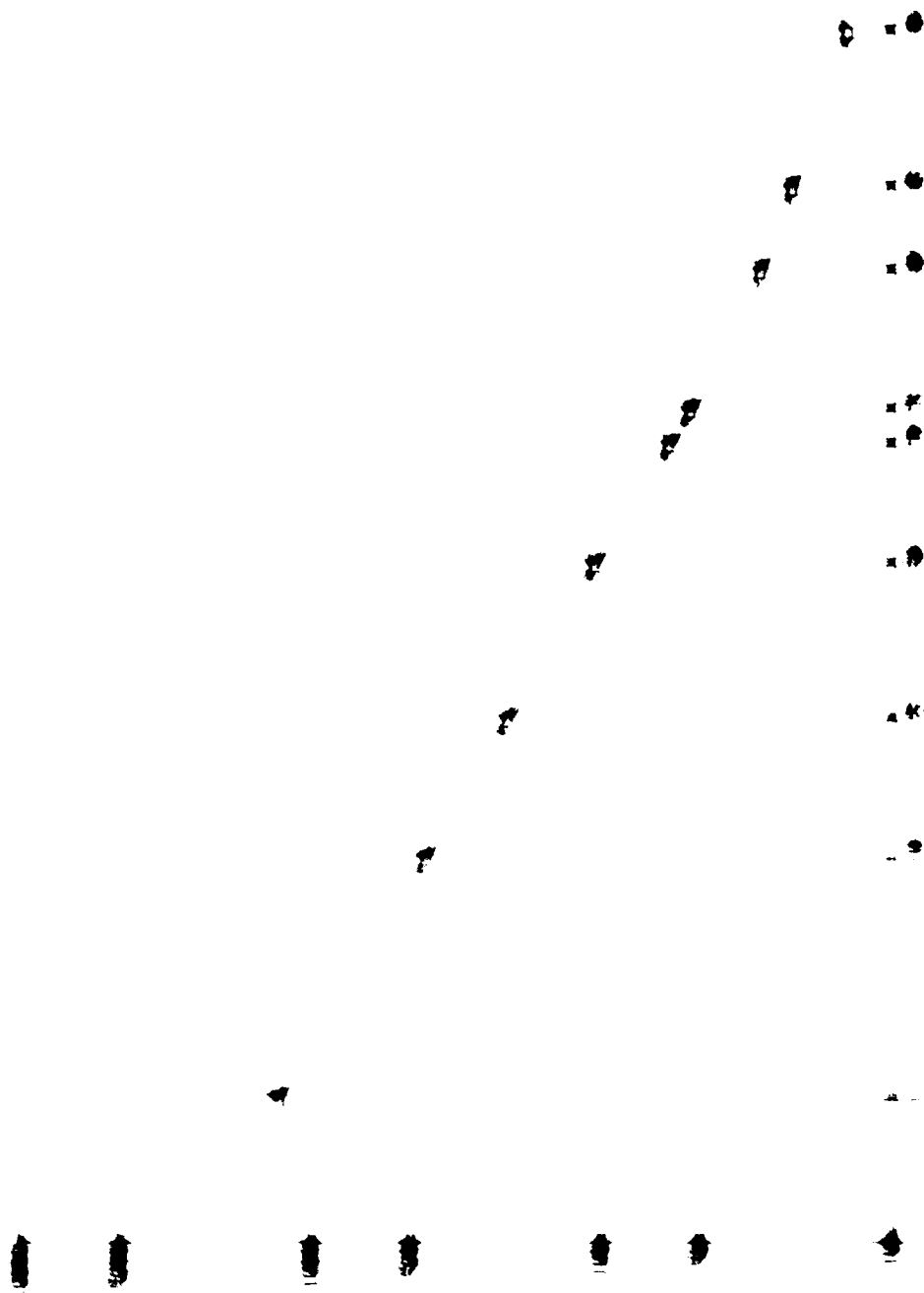
Figure 5-11. Information for plotting curve for
 wind speed in mph. (Source: U.S. Army Corps of Engineers, 1954)

WIND SPEED IN MPH



PERCENT TIME EQUALED OR EXCEEDED
 Figure E-35. Combination 17 Duration Curve For
 01470500, Schuylkill River at Berne, PA.

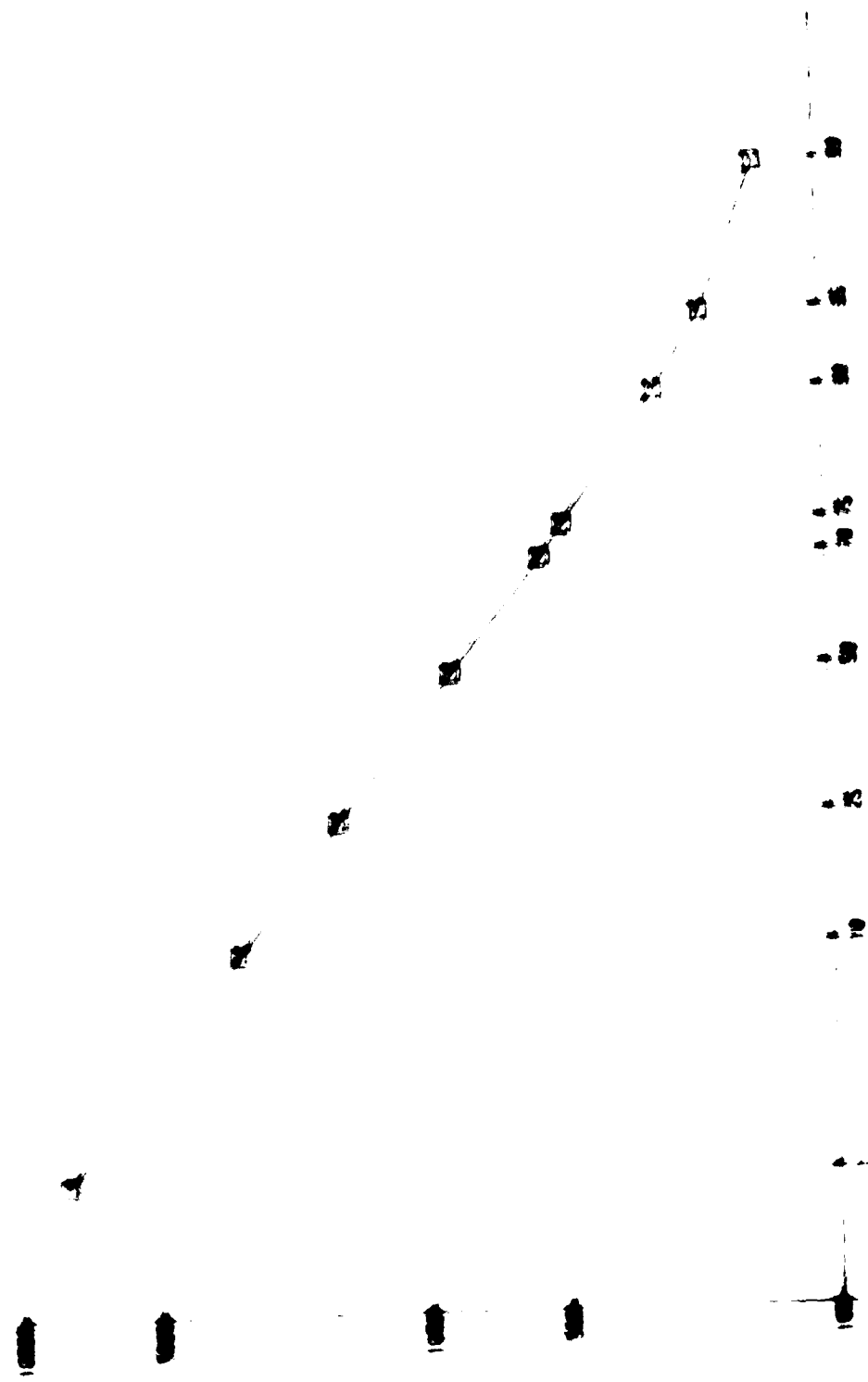
Fig. 1. Schematic diagram of the experimental setup for the study of the effect of the concentration of the solution on the rate of the reaction.



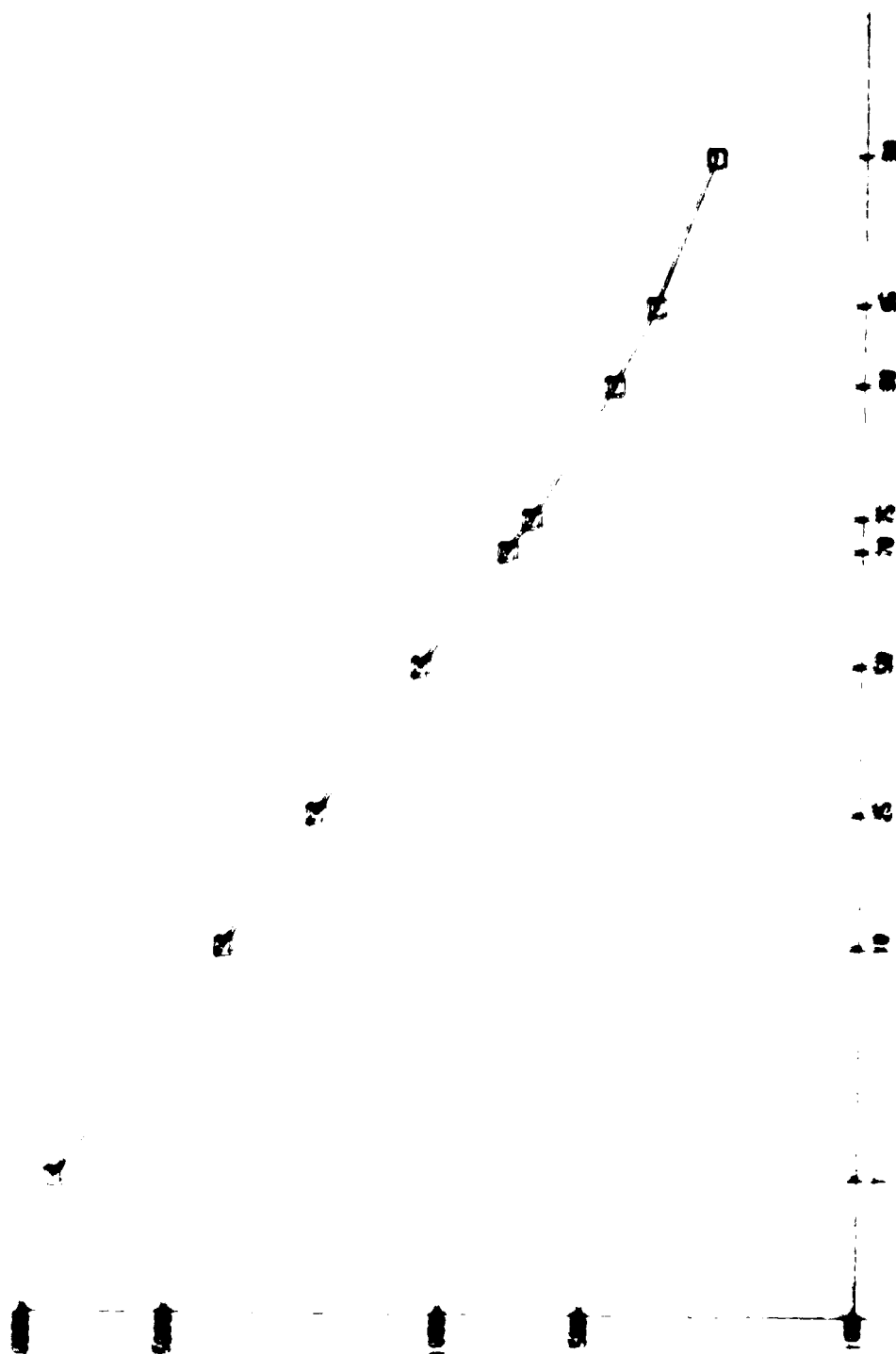
10. The United States of America
has been a member of the United Nations
since 1945. It is a permanent member of the
Security Council and has the right of
veto.

11 The following is a list of the names of the persons who have been
admitted to the membership of the Society since the last meeting.
The names are given in alphabetical order.

570 24 307

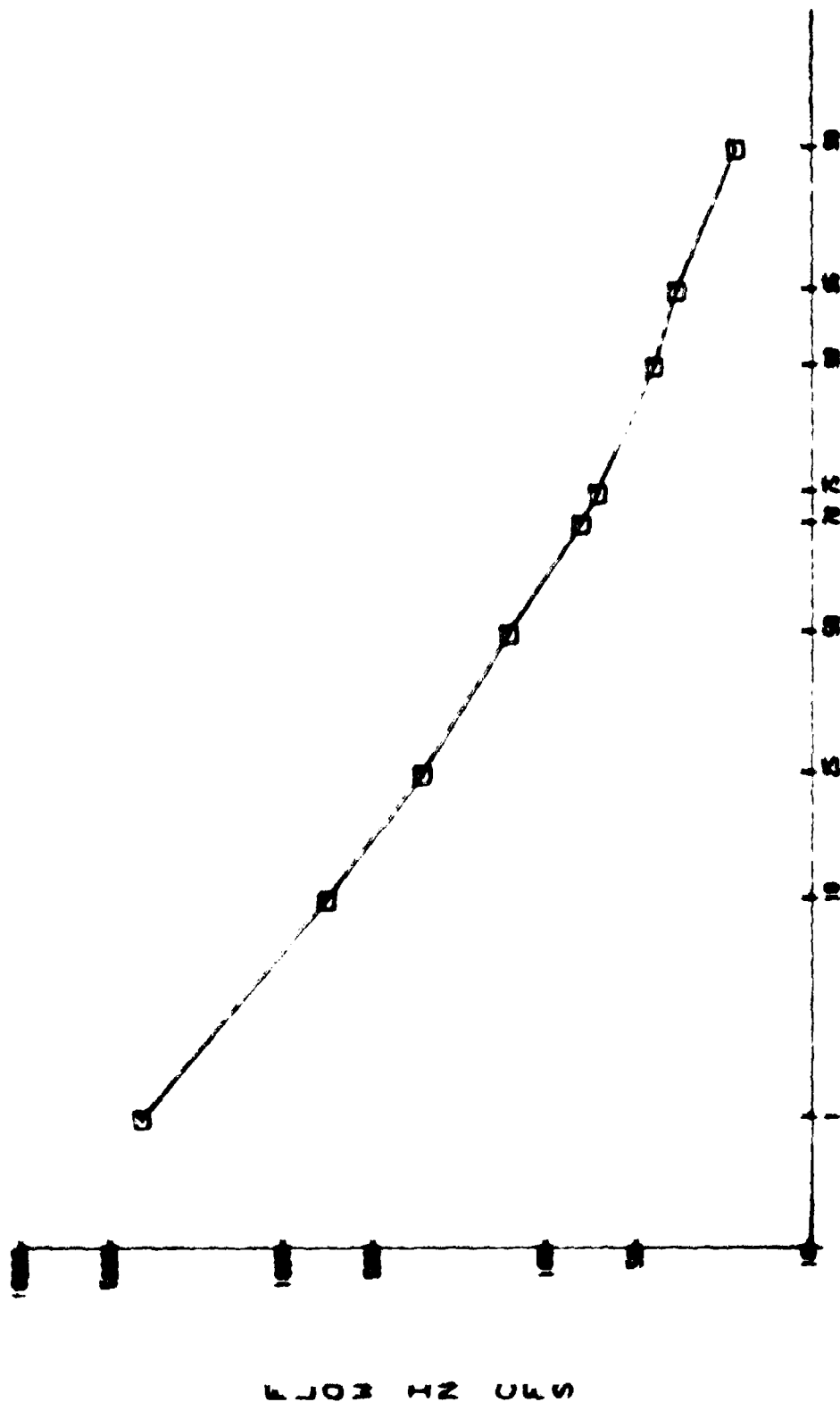


PERCENT TIME EQUALED OR EXCEEDED
 Figure 1-10. Combination of duration curve for
 Oregon, Schuylkill river at Reading, PA

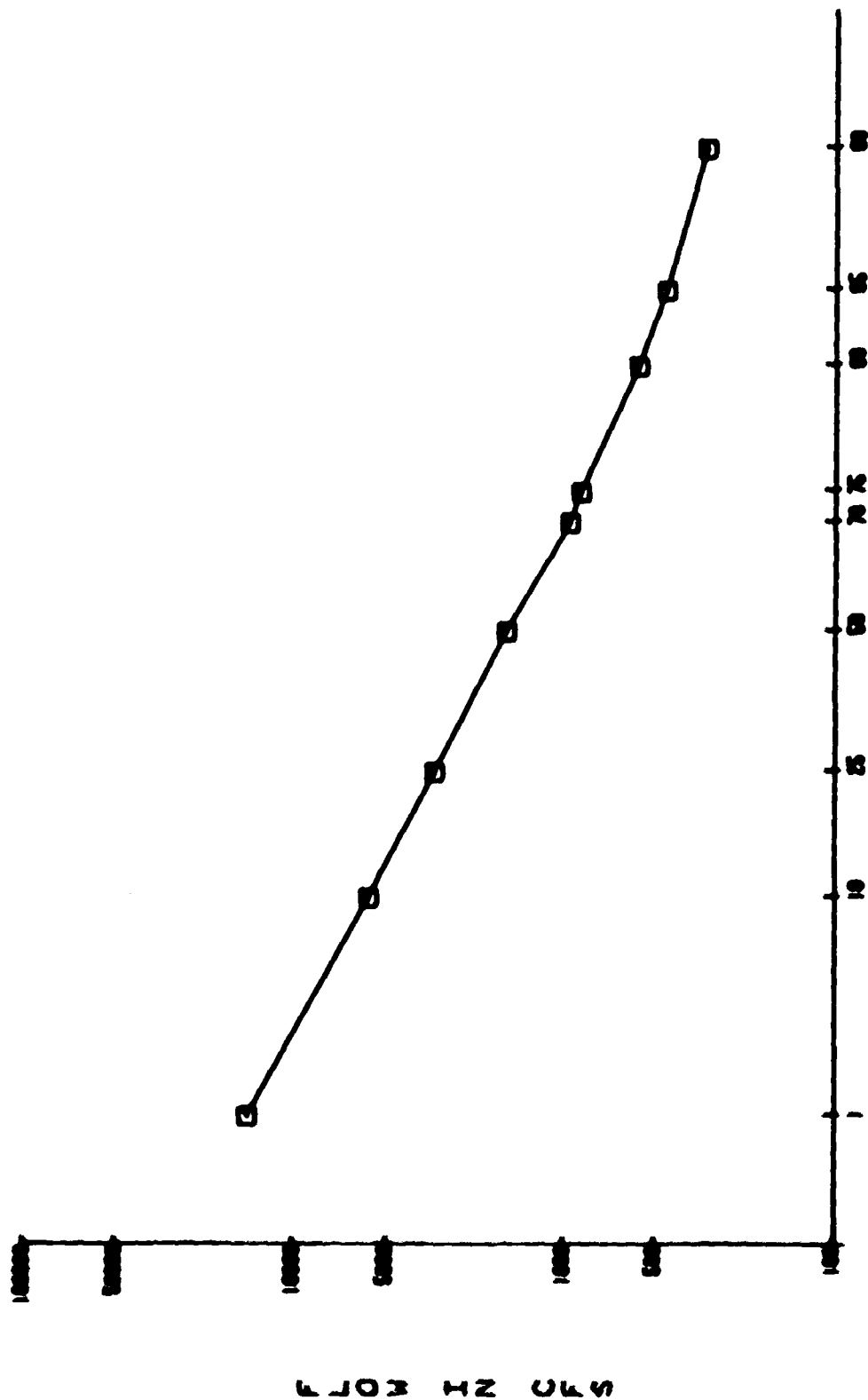


PERCENT TIME EQUALLED OR EXCEEDED

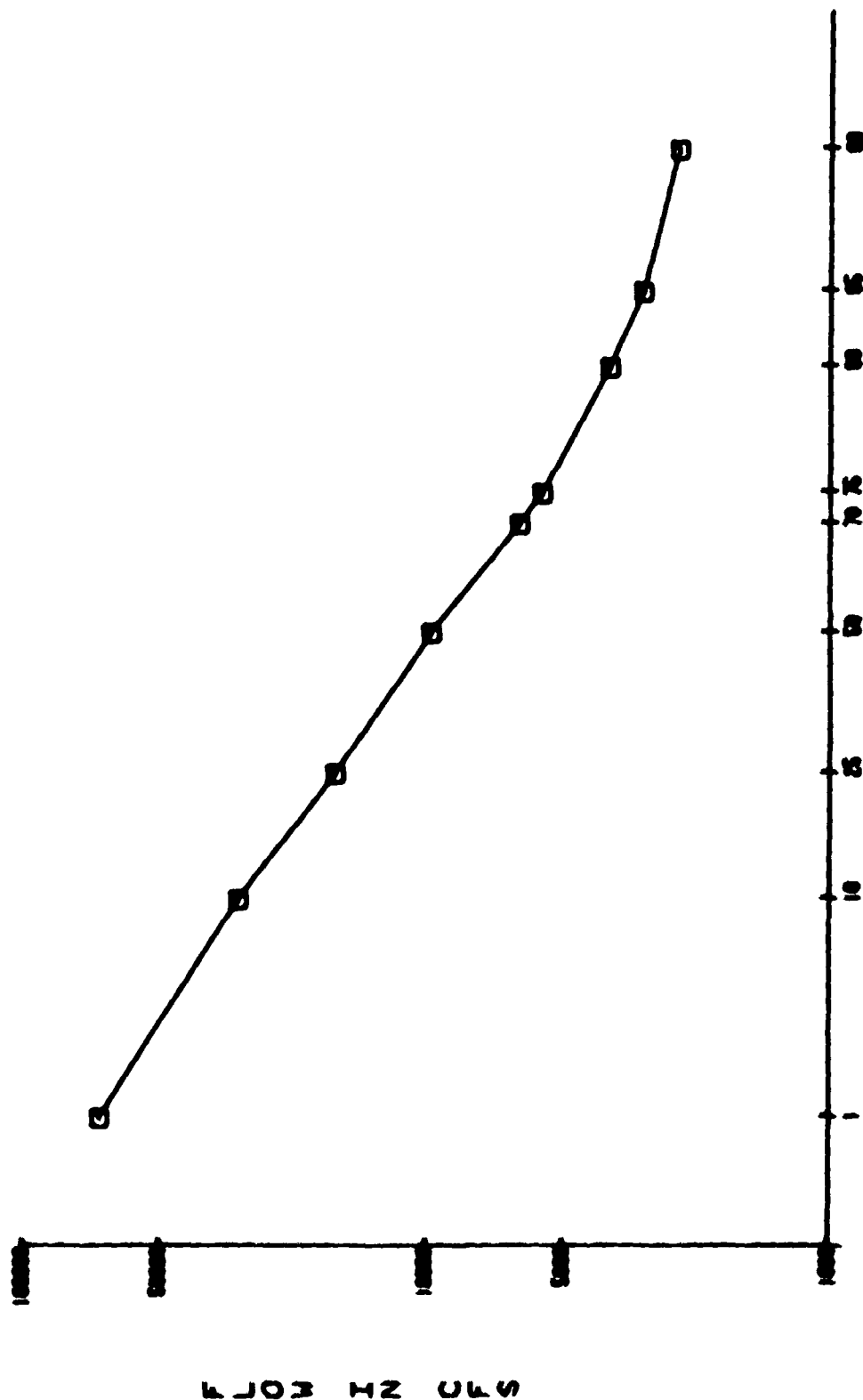
Figure 1-40. Combination 12 Duration Curve for
 0182000, Schuylkill River at Pottstown, PA.



PERCENT TIME EQUALED OR EXCEEDED
 Figure E-41. Combination 17 Duration Curve for
 n1473000, Perkiomen Creek at Graterford, PA.

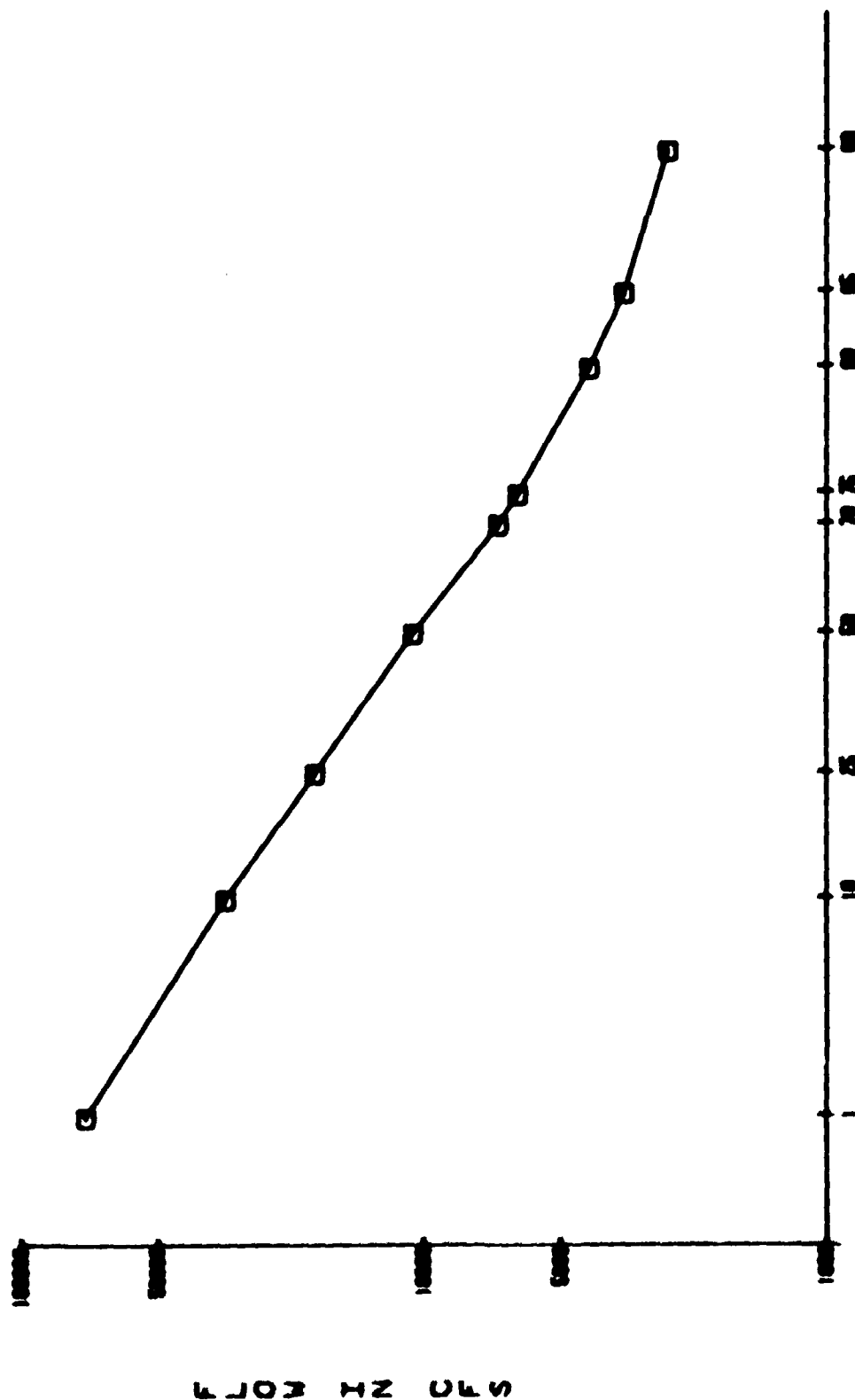


PERCENT TIME EQUALED OR EXCEEDED
 Figure E-62. Combination 17 Duration Curve for
 01474500, Schuylkill River at Philadelphia, PA.



PERCENT TIME EQUALED OR EXCEEDED

Figure E-4). Combination 17 Duration Curve for Delaware River Below Schuylkill Confluence



PERCENT TIME EQUALED OR EXCEEDED

Figure 5-41 Combination 12 Duration Curve for
The Square River at Delaware Memorial Bridge

Table E-2.1 Combination 17 Low Flow Frequency Table

(Flow in cfs)

USGS Station 01417000

East Branch Delaware River at Downsville, N.Y.

| Probability
(Percent) | Recurrence
Interval
(Years) | 1 | 3 | 7 | 11 | 30 | 60 | 90 | 120 | 165 | 365 |
|--------------------------|-----------------------------------|------|-------|-------|-------|-------|-------|------|------|------|------|
| 1 | 100.00 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 9.35 | 56.4 |
| 2 | 50.00 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 11.9 | 66.1 |
| 5 | 20.00 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 6.20 | 7.01 | 8.15 | 17.2 | 83.7 |
| 10 | 10.00 | 6.29 | 6.80* | 7.10* | 7.30* | 7.53 | 9.85 | 11.3 | 12.4 | 24.0 | 103 |
| 20 | 5.00 | 10.9 | 11.4* | 11.9* | 12.4* | 12.9 | 16.7 | 19.0 | 20.0 | 36.4 | 134 |
| 50 | 2.00 | 27.3 | 28.1* | 29.1* | 29.9* | 30.4 | 37.1 | 43.0 | 46.5 | 83.5 | 219 |
| 80 | 1.25 | 58.0 | 59.5* | 61.5* | 63.0* | 64.0* | 64.4 | 79.0 | 97.9 | 200 | 361 |
| 90 | 1.11 | 80.8 | 85.0* | 89.0* | 92.0* | 95.0* | 99.0* | 101 | 139 | 321 | 469 |
| 96 | 1.04 | 110 | 112* | 116* | 119* | 121* | 122* | 124 | 197 | 538 | 622 |
| 98 | 1.02 | 132 | 148* | 164* | 174* | 182* | 210* | 219* | 244 | 600* | 746 |
| 99 | 1.01 | 152 | 170* | 180* | 205* | 224* | 242* | 255 | 292 | 710* | 880 |

*Recalculated

Table E-2.2. Combination 12 Low Flow Frequency Table
[Flow in cfs]

USGS Station 01421000

East Branch Delaware River at Fries (day, 8.1)

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|-----|-----|-----|-----|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 14.9 | 26.1 | 77.8 | 137 | 174 | 275 | 262 | 320 | 506 | 656 |
| 2 | 50.00 | 21.1 | 35.0 | 90.1 | 147 | 186 | 276 | 275 | 331 | 612 | 694 |
| 5 | 20.00 | 33.6 | 52.2 | 110 | 164 | 207 | 256 | 297 | 350 | 656 | 759 |
| 10 | 10.00 | 48.6 | 71.3 | 130 | 180 | 226 | 276 | 320 | 373 | 702 | 825 |
| 20 | 5.00 | 71.6 | 98.8 | 156 | 201 | 251 | 305 | 353 | 409 | 770 | 915 |
| 50 | 2.00 | 128 | 158 | 207 | 264 | 305 | 376 | 438 | 512 | 944 | 1130 |
| 80 | 1.25 | 188 | 216 | 256 | 293 | 367 | 477 | 562 | 693 | 1200 | 1430 |
| 90 | 1.11 | 216 | 237 | 279 | 320 | 402 | 542 | 651 | 838 | 1390 | 1620 |
| 96 | 1.04 | 240 | 256 | 300 | 351 | 442 | 638 | 769 | 1050 | 1640 | 1870 |
| 98 | 1.02 | 253 | 263 | 312 | 371 | 469 | 709 | 862 | 1240 | 1840 | 2050 |
| 99 | 1.01 | 261 | 268 | 322 | 389 | 494 | 742 | 900 | 1250 | 2050 | 2240 |

Table 2-1. Combination of Low Flow Frequency, and

Flow in CFS

2001 Station 016250000

West Branch Delaware River at Seaford, DE

Probability
(Percent)

Recurrence
Interval
(Years)

For following number of consecutive days

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| 2 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| 3 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 |
| 10 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 | 8.25 |
| 20 | 11.9 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 |
| 30 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 | 22.0 |
| 40 | 36.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| 50 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 60 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| 70 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| 80 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |

*Recalculated

Table E-2.4 Combination Flow Frequency Table
 Flow in cfs.

USGS Station 01426500

West Branch Delaware River at Hale Ferry, N.Y.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|-------|------|------|------|------|-----|-----|------|--|
| | | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 185 | 365 | |
| 1 | 100.00 | 77.0 | 23.4 | 33.9 | 61.5 | 79.0 | 85.6 | 116 | 197 | 252 | |
| 2 | 50.00 | 77.0 | 28.0 | 38.6 | 65.5 | 82.6 | 90.6 | 125 | 206 | 267 | |
| 5 | 20.00 | 11.1 | 21.1 | 46.3 | 72.2 | 102 | 116 | 142 | 221 | 293 | |
| 10 | 10.00 | 16.5 | 30.8 | 53.9 | 78.8 | 116 | 135 | 159 | 241 | 320 | |
| 20 | 5.00 | 25.0 | 40.9 | 61.9 | 87.9 | 135 | 161 | 184 | 269 | 360 | |
| 50 | 2.00 | 46.7 | 63.6 | 84.9 | 109 | 179 | 220 | 268 | 346 | 464 | |
| 80 | 1.25 | 71.0 | 81.5 | 107 | 136 | 231 | 292 | 345 | 473 | 622 | |
| 90 | 1.11 | 82.4 | 98.0* | 119 | 153 | 262 | 335 | 415 | 571 | 737 | |
| 96 | 1.04 | 92.6 | 92.6* | 122 | 154 | 268 | 304 | 509 | 712 | 895 | |
| 98 | 1.02 | 97.7 | 115* | 133 | 189 | 322 | 418 | 584 | 831 | 1020 | |
| 99 | 1.01 | 101 | 115* | 146 | 205 | 346 | 449 | 664 | 962 | 1160 | |

*Recalculated

Table E-2.5. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01427405
Delaware River near Calliscon, Pa.

| Probability
(Percent) | Recurrence
Interval
(Years) | Return Following Number of Consecutive Years | | | | | | | | | |
|--------------------------|-----------------------------------|--|-----|-----|-----|-----|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 90.8 | 187 | 316 | 363 | 426 | 560 | 629 | 730 | 1090 | 1240 |
| 2 | 50.00 | 112 | 208 | 333 | 387 | 456 | 584 | 654 | 749 | 1140 | 1320 |
| 5 | 20.00 | 150 | 241 | 360 | 422 | 502 | 624 | 697 | 784 | 1240 | 1440 |
| 10 | 10.00 | 188 | 274 | 387 | 453 | 544 | 663 | 742 | 825 | 1340 | 1570 |
| 20 | 5.00 | 238 | 316 | 421 | 497 | 597 | 718 | 805 | 891 | 1490 | 1750 |
| 50 | 2.00 | 337 | 404 | 497 | 574 | 701 | 847 | 964 | 1080 | 1840 | 2170 |
| 80 | 1.25 | 422 | 500 | 598 | 662 | 807 | 1020 | 1190 | 1420 | 2340 | 2740 |
| 90 | 1.11 | 456 | 551 | 642 | 711 | 861 | 1100 | 1350 | 1690 | 2680 | 3110 |
| 96 | 1.04 | 483 | 606 | 705 | 766 | 920 | 1280 | 1560 | 2090 | 3120 | 3580 |
| 98 | 1.02 | 495 | 642 | 750 | 802 | 956 | 1380 | 1720 | 2430 | 3470 | 3930 |
| 99 | 1.01 | 504 | 673 | 792 | 835 | 988 | 1490 | 1880 | 2820 | 3820 | 4280 |

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Abstract

Table 1-2-3. Computation of Low Flow Frequency Factor

Low Flow Factor

1955-1956 to 1959-1960

Source: West Virginia Dept. of Public Safety

Recurrence
Interval
(Years)

For following number of years, 10 are shown

| (Percent) | Years | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 15 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 95 | 98 | 99 |
|-----------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1 | 100.00 | 1.67 | 1.31 | 1.10 | 0.95 | 0.83 | 0.73 | 0.65 | 0.58 | 0.52 | 0.47 | 0.42 | 0.38 | 0.34 | 0.31 | 0.28 | 0.25 | 0.22 | 0.20 | 0.18 | 0.16 | 0.15 | 0.14 |
| 2 | 50.00 | 1.95 | 1.48 | 1.25 | 1.08 | 0.94 | 0.82 | 0.72 | 0.64 | 0.57 | 0.51 | 0.46 | 0.42 | 0.38 | 0.35 | 0.32 | 0.29 | 0.26 | 0.24 | 0.22 | 0.20 | 0.19 | 0.18 |
| 5 | 20.00 | 2.46 | 1.87 | 1.60 | 1.40 | 1.24 | 1.10 | 0.98 | 0.88 | 0.80 | 0.73 | 0.67 | 0.62 | 0.58 | 0.54 | 0.51 | 0.48 | 0.45 | 0.42 | 0.40 | 0.38 | 0.36 | 0.35 |
| 10 | 10.00 | 3.00 | 2.20 | 1.90 | 1.65 | 1.45 | 1.28 | 1.13 | 1.01 | 0.91 | 0.83 | 0.76 | 0.70 | 0.65 | 0.61 | 0.58 | 0.55 | 0.52 | 0.50 | 0.47 | 0.45 | 0.44 | 0.43 |
| 20 | 5.00 | 3.80 | 2.80 | 2.45 | 2.15 | 1.90 | 1.68 | 1.48 | 1.30 | 1.16 | 1.04 | 0.94 | 0.86 | 0.80 | 0.75 | 0.71 | 0.67 | 0.64 | 0.61 | 0.59 | 0.57 | 0.56 | 0.55 |
| 50 | 2.00 | 5.86 | 4.06 | 3.55 | 3.15 | 2.80 | 2.50 | 2.25 | 2.05 | 1.85 | 1.68 | 1.52 | 1.40 | 1.30 | 1.22 | 1.15 | 1.09 | 1.04 | 1.00 | 0.96 | 0.93 | 0.91 | 0.90 |
| 80 | 1.25 | 8.81 | 6.28 | 5.55 | 4.95 | 4.45 | 4.00 | 3.60 | 3.25 | 2.95 | 2.68 | 2.45 | 2.25 | 2.08 | 1.92 | 1.78 | 1.65 | 1.54 | 1.44 | 1.36 | 1.29 | 1.24 | 1.20 |
| 90 | 1.11 | 10.8 | 7.8 | 6.95 | 6.25 | 5.65 | 5.15 | 4.65 | 4.25 | 3.90 | 3.58 | 3.30 | 3.05 | 2.82 | 2.62 | 2.44 | 2.28 | 2.14 | 2.02 | 1.92 | 1.84 | 1.78 | 1.74 |
| 96 | 1.04 | 13.3 | 9.8 | 8.75 | 7.95 | 7.25 | 6.65 | 6.10 | 5.65 | 5.25 | 4.88 | 4.55 | 4.25 | 3.98 | 3.75 | 3.54 | 3.35 | 3.18 | 3.04 | 2.92 | 2.82 | 2.74 | 2.68 |
| 98 | 1.02 | 15.2 | 11.3 | 10.1 | 9.25 | 8.45 | 7.75 | 7.15 | 6.65 | 6.20 | 5.78 | 5.45 | 5.15 | 4.85 | 4.60 | 4.38 | 4.18 | 3.98 | 3.82 | 3.68 | 3.56 | 3.46 | 3.38 |
| 99 | 1.01 | 17.1 | 12.8 | 11.5 | 10.5 | 9.65 | 8.90 | 8.25 | 7.70 | 7.25 | 6.80 | 6.45 | 6.15 | 5.85 | 5.58 | 5.34 | 5.12 | 4.90 | 4.72 | 4.56 | 4.42 | 4.30 | 4.22 |

Table 6-2-3. Contingencies for Low Flow Frequency Rate

U.S. Department of the Interior
Bureau of Reclamation
Washington, D.C. 20250

| Probability
(Percent) | Recurrence
Interval
(Years) | Return Periods (Years) | | | | | | | | | |
|--------------------------|-----------------------------------|------------------------|------|------|------|------|-------|-------|-------|-------|-----|
| | | 1 | 3 | 7 | 10 | 30 | 60 | 90 | 100 | 120 | 150 |
| 1 | 100.00 | 9.73 | 10.3 | 11.1 | 12.0 | 22.5 | 38.2 | 50.9 | 57.5 | 72.2 | 104 |
| 2 | 50.00 | 10.3 | 11.1 | 11.8 | 12.3 | 23.3 | 39.3 | 52.0 | 58.6 | 73.3 | 105 |
| 5 | 20.00 | 11.2 | 12.2 | 13.0 | 13.7 | 24.5 | 40.7 | 53.4 | 60.0 | 74.7 | 106 |
| 10 | 10.00 | 12.3 | 13.3 | 14.4 | 15.5 | 26.8 | 43.7 | 56.4 | 63.0 | 77.7 | 108 |
| 20 | 5.00 | 13.9 | 14.3 | 15.5 | 16.8 | 29.3 | 47.8 | 60.5 | 67.1 | 81.8 | 110 |
| 50 | 2.00 | 18.6 | 19.3 | 20.6 | 22.5 | 39.3 | 58.5 | 71.2 | 77.8 | 92.5 | 112 |
| 80 | 1.25 | 26.7 | 29.1 | 31.3 | 33.7 | 52.0 | 71.2 | 83.9 | 90.5 | 105.2 | 114 |
| 90 | 1.11 | 31.2 | 36.3 | 37.2 | 39.3 | 57.5 | 76.7 | 89.4 | 96.0 | 110.7 | 115 |
| 96 | 1.04 | 43.0 | 49.1 | 55.1 | 61.1 | 71.2 | 89.4 | 102.1 | 108.7 | 123.4 | 116 |
| 98 | 1.02 | 51.5 | 60.1 | 67.5 | 74.9 | 85.0 | 102.1 | 114.8 | 121.4 | 136.1 | 117 |
| 99 | 1.01 | 61.1 | 73.0 | 81.1 | 88.6 | 100 | 117.2 | 129.9 | 136.5 | 151.2 | 118 |

Table E-2.10. Combination 1? Low Flow Frequency Table
 (Flow in CFS)

1955 Station 01431500

Lackawanna River at Maules, PA

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|-----|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 165 | 365 |
| 1 | 100.00 | 6.93 | 14.9 | 16.6 | 20.4 | 38.6 | 44.3 | 47.9 | 56.3 | 201 | 737 |
| 2 | 50.00 | 8.63 | 16.1 | 18.1 | 22.1 | 40.2 | 47.3 | 52.2 | 63.3 | 214 | 754 |
| 5 | 20.00 | 11.8 | 18.4 | 20.7 | 25.3 | 42.8 | 53.3 | 61.3 | 76.7 | 236 | 789 |
| 10 | 10.00 | 15.3 | 20.9 | 23.5 | 29.2 | 46.2 | 59.2 | 70.8 | 89.8 | 249 | 823 |
| 20 | 5.00 | 20.6 | 24.7 | 27.9 | 33.9 | 51.2 | 69.3 | 85.2 | 110 | 291 | 968 |
| 50 | 2.00 | 33.9 | 35.4 | 33.3 | 48.2 | 66.2 | 92.9 | 126 | 166 | 367 | 1400 |
| 80 | 1.25 | 51.7 | 53.7 | 60.1 | 71.2 | 96.4 | 125 | 197 | 246 | 473 | 1905 |
| 90 | 1.11 | 62.5 | 68.4 | 76.2 | 90.3 | 122 | 183 | 254 | 323 | 574 | 2553 |
| 96 | 1.04 | 75.0 | 90.1 | 99.7 | 112 | 163 | 240 | 340 | 414 | 636 | 732 |
| 98 | 1.02 | 83.5 | 109 | 120 | 140 | 200 | 290 | 412 | 495 | 705 | 786 |
| 99 | 1.01 | 91.2 | 130 | 142 | 165 | 243 | 346 | 495 | 574 | 776 | 837 |

Table E-2.11. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01434000
Delaware River at Port Jervis, N.Y.

| Probability
(Percent) | Recurrence
Interval
(Years) | For following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|-------|-------|-------|-------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 165 | 365 |
| 1 | 100.00 | 515 | 868 | 1150 | 1250 | 1340* | 1390 | 1400* | 1450* | 2110 | 2390 |
| 2 | 50.00 | 566 | 903 | 1160 | 1260 | 1350* | 1400* | 1410* | 1470* | 2240 | 2570 |
| 5 | 20.00 | 647 | 955 | 1180 | 1270 | 1360 | 1410 | 1420* | 1480 | 2460 | 2870 |
| 10 | 10.00 | 720 | 1000 | 1200 | 1290 | 1370 | 1430 | 1470 | 1570 | 2690 | 3160 |
| 20 | 5.00 | 811 | 1060 | 1230 | 1310 | 1390 | 1480 | 1570 | 1730 | 3000 | 3550 |
| 50 | 2.00 | 985 | 1180 | 1320 | 1400 | 1490 | 1660 | 1880 | 2170 | 3740 | 4430 |
| 80 | 1.25 | 1150 | 1300 | 1450 | 1560 | 1710 | 2040 | 2410 | 2930 | 4730 | 5510 |
| 90 | 1.11 | 1220 | 1360 | 1540 | 1670 | 1810 | 2180 | 2630 | 3540 | 5390 | 6180 |
| 96 | 1.04 | 1290 | 1430 | 1660 | 1840 | 2200 | 2900 | 3450 | 4450 | 6720 | 6980 |
| 98 | 1.02 | 1340 | 1470 | 1750 | 1970 | 2460 | 3360 | 3980 | 5240 | 6840 | 7540 |
| 99 | 1.01 | 1370 | 1510 | 1850 | 2110 | 2750 | 3890 | 4570 | 6120 | 7470 | 8090 |

*Recalculated

Table E-2.12. Continuation 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01436000

Neversink River at Neversink, N.Y.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Years | | | | | | | | | |
|--------------------------|-----------------------------------|---|-------|-------|-------|-------|-------|-------|-------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 185 | 365 |
| 1 | 100.00 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 7.72 | 31.7 |
| 2 | 50.00 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.70 | 9.33 | 34.1 |
| 5 | 20.00 | 4.60 | 4.60 | 4.60 | 4.60 | 4.60 | 4.95 | 5.93 | 6.93 | 12.3 | 38.1 |
| 10 | 10.00 | 5.18 | 5.39* | 5.42* | 5.50* | 5.55 | 7.15 | 8.47 | 9.50 | 15.5 | 42.0 |
| 20 | 5.00 | 7.87 | 8.00* | 8.20* | 8.25* | 8.36 | 10.6 | 12.3 | 13.4 | 20.2 | 47.4 |
| 50 | 2.00 | 15.8 | 16.0* | 16.1* | 16.3* | 16.5 | 19.6 | 21.7 | 23.5 | 32.8 | 59.9 |
| 80 | 1.25 | 28.0 | 29.0* | 28.8* | 30.1* | 31.0* | 31.7* | 32.3 | 36.2 | 50.8 | 75.8 |
| 90 | 1.11 | 36.0 | 37.3* | 38.8* | 39.5* | 41.0* | 42.0* | 42.8* | 43.3 | 62.7 | 85.9 |
| 96 | 1.04 | 45.6 | 46.5* | 47.3* | 48.0* | 49.0* | 50.0* | 50.2* | 50.9 | 77.5 | 98.3 |
| 98 | 1.02 | 52.1 | 52.2* | 53.5* | 54.0* | 54.5* | 55.0* | 55.4* | 55.6 | 88.3 | 107 |
| 99 | 1.01 | 58.2 | 59.4* | 60.2* | 61.2* | 62.2* | 65.0* | 67.0* | 70.0* | 98.8 | 116 |

*Recalculated

Table E-2.13. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01437000

Neversink River at Oakland Valley, N.Y.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|-----|-----|-----|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 5.45 | 14.7 | 21.3 | 32.6 | 51.2 | 67.5 | 81.6 | 101 | 157 | 178 |
| 2 | 50.00 | 7.62 | 17.8 | 24.5 | 35.6 | 53.3 | 70.2 | 84.3 | 103 | 161 | 184 |
| 5 | 20.00 | 12.0 | 23.2 | 30.1 | 40.6 | 57.2 | 75.2 | 89.4 | 107 | 170 | 145 |
| 10 | 10.00 | 17.3 | 29.0 | 35.8 | 45.7 | 61.4 | 80.6 | 95.1 | 113 | 179 | 208 |
| 20 | 5.00 | 25.6 | 37.1 | 43.7 | 52.8 | 67.7 | 88.9 | 104 | 121 | 153 | 225 |
| 50 | 2.00 | 46.3 | 56.5 | 62.0 | 69.6 | 84.6 | 112 | 128 | 148 | 231 | 272 |
| 80 | 1.25 | 70.0 | 80.0 | 84.4 | 92.1 | 111 | 150 | 168 | 197 | 294 | 343 |
| 90 | 1.11 | 81.6 | 93.6 | 97.7 | 107 | 131 | 179 | 200 | 238 | 342 | 395 |
| 96 | 1.04 | 92.5 | 108 | 113 | 125 | 159 | 221 | 244 | 301 | 410 | 465 |
| 98 | 1.02 | 98.4 | 118 | 123 | 139 | 182 | 256 | 282 | 356 | 465 | 521 |
| 99 | 1.01 | 103 | 127 | 133 | 152 | 207 | 295 | 323 | 420 | 526 | 581 |

Table E-2.14. Combination 17 Low Flow Frequency Table
(Flow in cfs)

SSS Station 01438500
Delaware River at Montague, N.J.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|-------|-------|------|-------|-------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 180 | 365 |
| 1 | 100.00 | 940* | 1310 | 1500 | 1570* | 1610* | 1620 | 1650* | 1660* | 2440 | 2730 |
| 2 | 50.00 | 1040* | 1350 | 1510 | 1580* | 1620* | 1630 | 1660* | 1660* | 2590 | 2940 |
| 5 | 20.00 | 1180* | 1410 | 1530 | 1590 | 1630 | 1640 | 1670* | 1690 | 2860 | 3300 |
| 10 | 10.00 | 1280 | 1460 | 1540 | 1600 | 1640 | 1660 | 1690 | 1710 | 3120 | 3650 |
| 20 | 5.00 | 1340 | 1510 | 1570 | 1620 | 1650 | 1710 | 1820 | 1990 | 3480 | 4110 |
| 50 | 2.00 | 1430 | 1600 | 1650 | 1690 | 1750 | 1920 | 2280 | 2520 | 4340 | 5160 |
| 80 | 1.25 | 1520 | 1670 | 1780 | 1850 | 1990 | 2120 | 2810 | 3420 | 5500 | 6430 |
| 90 | 1.11 | 1550 | 1700 | 1870 | 1980 | 2230 | 2770 | 3320 | 4140 | 6260 | 7200 |
| 96 | 1.04 | 1590 | 1730 | 1990 | 2120 | 2590 | 3410 | 4070 | 5210 | 7220 | 8110 |
| 98 | 1.02 | 1610 | 1750 | 2090 | 2330 | 2910 | 3980 | 4710 | 6130 | 7930 | 8750 |
| 99 | 1.01 | 1620 | 1760 | 2180 | 2500 | 3270 | 4650 | 5420 | 7160 | 8650 | 9360 |

*Recalculated

Table E-2.15. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01440200

Delaware River below Focks Island Dam site, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|-------|-------|-------|-------|-------|-------|------|-------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 181 | 365 |
| 1 | 100.00 | 952 | 1370 | 1650* | 1690* | 1740* | 1750* | 1770* | 1780* | 2620 | 2990 |
| 2 | 50.00 | 1060 | 1420 | 1660* | 1700* | 1750* | 1760* | 1780* | 1790* | 2810 | 3240 |
| 5 | 20.00 | 1210 | 1490 | 1670 | 1710 | 1760* | 1780* | 1790* | 1810 | 3130 | 3660 |
| 10 | 10.00 | 1330 | 1550 | 1680 | 1720 | 1770 | 1790 | 1810 | 1950 | 3440 | 4060 |
| 20 | 5.00 | 1460 | 1620 | 1690 | 1730 | 1790 | 1850 | 1960 | 2180 | 3870 | 4600 |
| 50 | 2.00 | 1630 | 1740 | 1760 | 1810 | 1890 | 2090 | 2400 | 2800 | 4880 | 5790 |
| 80 | 1.25 | 1700 | 1830 | 1920 | 2010 | 2180 | 2630 | 3160 | 3860 | 6190 | 7220 |
| 90 | 1.11 | 1710 | 1870 | 2070 | 2190 | 2470 | 3120 | 3770 | 4700 | 7040 | 8070 |
| 96 | 1.04 | 1720 | 1910 | 2280 | 2460 | 2950 | 3910 | 4670 | 5930 | 8090 | 9060 |
| 98 | 1.02 | 1730* | 1930 | 2450 | 2690 | 3390 | 4620 | 5430 | 6980 | 8870 | 9740 |
| 99 | 1.01 | 1740* | 1950 | 2640 | 2950 | 3900 | 5470 | 6290 | 8150 | 9630 | 10400 |

*Recalculated

USGS Station 01446500
Delaware River at Belvidere, N.J.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 1160 | 1380 | 1680* | 1760* | 1860* | 1870* | 1900* | 1950* | 2970 | 3430 |
| 2 | 50.00 | 1230 | 1440 | 1690 | 1770 | 1870* | 1880* | 1920* | 1970* | 3210 | 3760 |
| 5 | 20.00 | 1330 | 1520 | 1710 | 1780 | 1880 | 1900* | 1940* | 1990 | 3610 | 4280 |
| 10 | 10.00 | 1430 | 1600 | 1730 | 1800 | 1900* | 1920 | 1970 | 2190 | 4020 | 4800 |
| 20 | 5.00 | 1540 | 1690 | 1770 | 1840 | 1930 | 2020 | 2190 | 2490 | 4560 | 5480 |
| 50 | 2.00 | 1760 | 1880 | 1920 | 1980 | 2100 | 2390 | 2780 | 3310 | 5830 | 6970 |
| 80 | 1.25 | 1950 | 2080 | 2190 | 2290 | 2550 | 3140 | 3790 | 4660 | 7460 | 8720 |
| 90 | 1.11 | 2040 | 2190 | 2400 | 2550 | 2970 | 3790 | 4570 | 5720 | 8490 | 9730 |
| 96 | 1.04 | 2130 | 2310 | 2700 | 2950 | 3670 | 4810 | 5710 | 7240 | 9750 | 10900 |
| 98 | 1.02 | 2190 | 2390 | 2950 | 3290 | 4310 | 5740 | 6680 | 8530 | 10700 | 11700 |
| 99 | 1.01 | 2230 | 2460 | 3220 | 3670 | 5070 | 6830 | 7760 | 9960 | 11600 | 12400 |

*Recalculated

Table E-2.17. Continuation 17 Low Flow Frequency Table

(Flow in cfs)

USGS Station 01447800

Lehigh River at White Haven, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 185 | 365 |
|--------------------------|-----------------------------------|------|------|------|------|------|------|------|-----|-----|-----|
| 1 | 100.00 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 79.7 | 108 | 195 | 314 |
| 2 | 50.00 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 62.2 | 89.5 | 120 | 222 | 340 |
| 5 | 20.00 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 77.0 | 107 | 140 | 266 | 383 |
| 10 | 10.00 | 57.0 | 57.0 | 57.0 | 57.0 | 68.7 | 92.7 | 125 | 162 | 309 | 423 |
| 20 | 5.00 | 57.0 | 57.0 | 57.3 | 65.9 | 86.5 | 116 | 151 | 195 | 367 | 476 |
| 50 | 2.00 | 62.4 | 64.7 | 75.7 | 93.6 | 128 | 174 | 221 | 279 | 490 | 589 |
| 80 | 1.25 | 82.2 | 87.9 | 107 | 135 | 178 | 259 | 326 | 409 | 624 | 717 |
| 90 | 1.11 | 99.3 | 108 | 131 | 164 | 208 | 317 | 401 | 505 | 696 | 790 |
| 96 | 1.04 | 126 | 139 | 167 | 203 | 240 | 391 | 502 | 631 | 773 | 871 |
| 98 | 1.02 | 150 | 166 | 198 | 233 | 261 | 447 | 582 | 734 | 822 | 926 |
| 99 | 1.01 | 179 | 199 | 232 | 265 | 281 | 503 | 665 | 842 | 865 | 977 |

Table E-2.18. Correlation of Low Flow Frequency, Table

1960-1969

Station 01449800

Longwood River at Libertyville Dam Site, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | 1 | 2 | 5 | 10 | 20 | 50 | 100 | 200 | 365 |
|--------------------------|-----------------------------------|------|------|------|------|------|------|------|------|------|
| 1 | 100.00 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 69.2 |
| 2 | 50.00 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 76.6 |
| 5 | 20.00 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 52.5 | 88.5 |
| 10 | 10.00 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 41.4 | 100 |
| 20 | 5.00 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 31.3 | 115 |
| 50 | 2.00 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 24.7 | 148 |
| 80 | 1.25 | 36.1 | 37.7 | 39.0 | 40.4 | 41.9 | 43.5 | 45.0 | 46.5 | 184 |
| 90 | 1.11 | 38.0 | 40.2 | 43.1 | 46.1 | 49.0 | 52.0 | 55.0 | 58.0 | 204 |
| 95 | 1.04 | 41.4 | 44.0 | 47.7 | 51.6 | 55.6 | 59.6 | 63.6 | 67.6 | 226 |
| 97 | 1.02 | 44.5 | 47.2 | 51.6 | 56.1 | 60.6 | 65.1 | 69.6 | 74.1 | 241 |
| 99 | 1.01 | 48.1 | 50.7 | 55.5 | 60.0 | 64.5 | 69.0 | 73.5 | 78.0 | 254 |

*Calculated from statistical parameters.

Table E-2.14. Combination 17 Low Flow Frequency Table
(Flow in cfs)

Quasimicola Creek at Quasimicola Dam site, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | Flow Exceeding Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|---|------|------|------|------|------|------|------|------|------|
| | | 1 | 3 | 7 | 15 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 6.93 | 7.74 | 8.33 | 8.92 | 9.57 | 11.4 | 12.9 | 16.2 | 36.9 | 54.4 |
| 2 | 50.00 | 7.99 | 8.85 | 9.50 | 10.2 | 11.1 | 13.1 | 15.2 | 19.0 | 44.0 | 61.2 |
| 5 | 20.00 | 9.82 | 10.7 | 11.7 | 12.5 | 13.8 | 16.2 | 19.2 | 24.1 | 52.5 | 72.2 |
| 10 | 10.00 | 11.7 | 12.6 | 13.8 | 14.7 | 16.5 | 19.5 | 23.6 | 29.7 | 61.2 | 82.8 |
| 20 | 5.00 | 14.3 | 15.3 | 16.7 | 17.9 | 20.4 | 24.4 | 30.3 | 37.9 | 77.5 | 96.6 |
| 50 | 2.00 | 20.4 | 21.3 | 23.4 | 25.1 | 29.6 | 37.2 | 47.9 | 59.6 | 98.0 | 126 |
| 70 | 1.25 | 27.9 | 28.8 | 31.5 | 34.1 | 41.1 | 56.2 | 74.4 | 92.1 | 128 | 156 |
| 90 | 1.11 | 32.4 | 33.2 | 36.3 | 39.4 | 48.1 | 69.5 | 93.1 | 115 | 145 | 173 |
| 95 | 1.04 | 37.6 | 38.3 | 41.6 | 45.5 | 56.3 | 87.0 | 118 | 144 | 164 | 189 |
| 97 | 1.02 | 41.2 | 41.7 | 45.3 | 49.7 | 61.9 | 100 | 136 | 166 | 177 | 200 |
| 99 | 1.01 | 44.5 | 44.9 | 48.6 | 53.6 | 67.1 | 114 | 155 | 189 | 188 | 209 |

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DAILY FLOW MODEL OF THE DELAWARE RIVER BASIN. APPENDICES.(U)
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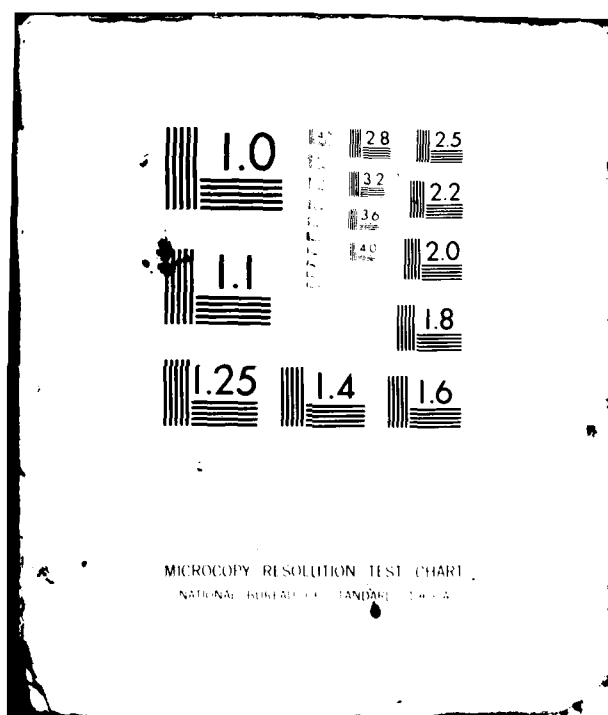


Table E-2.20. Combination 17 Low Flow Frequency Table

(Flow in cfs)

USGS Station 01450500
Aquashicola Creek at Palmerton, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 8.22 | 9.15 | 9.86 | 10.5 | 11.2 | 13.3 | 15.0 | 18.9 | 45.2 | 63.3 |
| 2 | 50.00 | 9.45 | 10.4 | 11.3 | 12.0 | 13.0 | 15.3 | 17.6 | 22.2 | 51.2 | 71.2 |
| 5 | 20.00 | 11.6 | 12.6 | 13.7 | 14.6 | 16.1 | 18.9 | 22.4 | 28.1 | 61.1 | 84.0 |
| 10 | 10.00 | 13.7 | 14.8 | 16.1 | 17.2 | 19.3 | 22.7 | 27.5 | 34.5 | 71.0 | 96.3 |
| 20 | 5.00 | 16.7 | 17.8 | 19.4 | 20.8 | 23.7 | 28.4 | 35.2 | 44.0 | 84.3 | 112 |
| 50 | 2.00 | 23.7 | 24.8 | 27.1 | 29.1 | 34.3 | 43.2 | 55.6 | 69.3 | 114 | 146 |
| 80 | 1.25 | 32.4 | 33.4 | 36.5 | 39.5 | 47.8 | 65.3 | 86.5 | 107 | 149 | 182 |
| 90 | 1.11 | 37.6 | 38.6 | 42.1 | 45.8 | 56.0 | 80.9 | 108 | 133 | 168 | 201 |
| 96 | 1.04 | 43.6 | 44.6 | 48.5 | 53.1 | 65.5 | 101 | 137 | 167 | 191 | 220 |
| 98 | 1.02 | 47.8 | 48.7 | 52.9 | 58.1 | 72.2 | 117 | 159 | 193 | 205 | 233 |
| 99 | 1.01 | 51.6 | 52.5 | 56.9 | 62.9 | 78.4 | 133 | 181 | 220 | 219 | 244 |

Table E-2.21. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01451000
Lehigh River at Walnutport, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|-----|-----|-----|-----|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 128 | 149 | 182 | 222 | 289 | 343 | 357 | 393 | 716 | 836 |
| 2 | 50.00 | 137 | 158 | 196 | 238 | 303 | 358 | 379 | 423 | 776 | 926 |
| 5 | 20.00 | 153 | 175 | 219 | 265 | 328 | 386 | 420 | 477 | 875 | 1070 |
| 10 | 10.00 | 169 | 192 | 242 | 291 | 354 | 417 | 465 | 536 | 976 | 1220 |
| 20 | 5.00 | 192 | 216 | 274 | 327 | 390 | 465 | 533 | 626 | 1120 | 1400 |
| 50 | 2.00 | 251 | 277 | 347 | 406 | 479 | 602 | 724 | 879 | 1450 | 1810 |
| 80 | 1.25 | 340 | 366 | 441 | 505 | 604 | 835 | 1050 | 1310 | 1890 | 2280 |
| 90 | 1.11 | 404 | 429 | 501 | 566 | 690 | 1020 | 1310 | 1650 | 2180 | 2540 |
| 96 | 1.04 | 490 | 513 | 574 | 639 | 803 | 1290 | 1690 | 2160 | 2550 | 2840 |
| 98 | 1.02 | 558 | 579 | 628 | 691 | 889 | 1530 | 2020 | 2600 | 2820 | 3030 |
| 99 | 1.01 | 630 | 647 | 680 | 742 | 978 | 1790 | 2400 | 3090 | 3140 | 3210 |

Table E-2.22. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01451800
Jordan Creek Near Schnecksville, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|------|
| | | 1* | 3* | 7* | 14* | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 0.30 | 0.31 | 0.44 | 0.56 | 0.72 | 1.12 | 1.45 | 2.58 | 11.9 | 27.6 |
| 2 | 50.00 | 0.51 | 0.58 | 0.72 | 0.85 | 1.03 | 1.60 | 2.15 | 3.60 | 14.9 | 31.5 |
| 5 | 20.00 | 1.08 | 1.16 | 1.43 | 1.62 | 1.71 | 2.64 | 3.70 | 5.79 | 20.3 | 38.1 |
| 10 | 10.00 | 1.68 | 1.82 | 2.20 | 2.40 | 2.58 | 4.00 | 5.78 | 8.57 | 26.1 | 44.7 |
| 20 | 5.00 | 2.41 | 2.69 | 3.05 | 3.27 | 4.06 | 6.37 | 9.44 | 13.3 | 34.5 | 53.6 |
| 50 | 2.00 | 4.40 | 5.20 | 5.80 | 7.26 | 8.60 | 13.9 | 21.0 | 27.9 | 53.8 | 73.5 |
| 80 | 1.25 | 7.50 | 8.05 | 9.40 | 11.6 | 15.6 | 26.2 | 39.4 | 51.4 | 75.9 | 96.5 |
| 90 | 1.11 | 9.25 | 9.70 | 11.8 | 13.5 | 20.2 | 34.8 | 51.4 | 67.5 | 87.5 | 110 |
| 96 | 1.04 | 11.0 | 11.5 | 15.0 | 22.0 | 25.6 | 45.4 | 65.4 | 87.2 | 99.3 | 124 |
| 98 | 1.02 | 12.1 | 12.5 | 17.0 | 25.1 | 29.3 | 52.8 | 74.7 | 101 | 106 | 134 |
| 99 | 1.01 | 13.2 | 13.9 | 19.0 | 25.4 | 32.6 | 59.9 | 83.1 | 114 | 112 | 142 |

*Calculated from adjusted probabilities

Table E-2.23. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01452000
Jordan Creek at Allentown, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|------|
| | | 1* | 3* | 7* | 14* | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 0.31 | 0.58 | 0.85 | 0.99 | 1.12 | 1.70 | 2.14 | 3.73 | 17.0 | 39.5 |
| 2 | 50.00 | 0.62 | 0.97 | 1.35 | 1.46 | 1.58 | 2.40 | 3.14 | 5.20 | 21.3 | 45.1 |
| 5 | 20.00 | 1.48 | 1.99 | 2.40 | 2.49 | 2.55 | 3.90 | 5.37 | 8.32 | 29.0 | 54.5 |
| 10 | 10.00 | 2.30 | 2.90 | 3.45 | 3.60 | 3.80 | 5.83 | 8.32 | 12.3 | 37.4 | 63.9 |
| 20 | 5.00 | 3.60 | 4.10 | 4.60 | 4.87 | 5.90 | 9.17 | 13.5 | 19.1 | 49.3 | 76.6 |
| 50 | 2.00 | 6.60 | 7.15 | 8.00 | 10.9 | 12.3 | 19.7 | 29.9 | 39.8 | 76.9 | 105 |
| 80 | 1.25 | 10.8 | 11.1 | 13.1 | 16.5 | 22.3 | 37.4 | 56.2 | 73.4 | 108 | 138 |
| 90 | 1.11 | 13.2 | 13.8 | 16.8 | 18.3 | 28.9 | 49.8 | 73.8 | 96.4 | 125 | 157 |
| 96 | 1.04 | 15.7 | 17.0 | 21.8 | 28.0 | 36.8 | 65.3 | 93.8 | 125 | 142 | 177 |
| 98 | 1.02 | 17.1 | 19.0 | 25.5 | 34.0 | 42.3 | 76.5 | 108 | 145 | 152 | 191 |
| 99 | 1.01 | 18.2 | 21.0 | 28.5 | 35.0 | 47.3 | 87.3 | 120 | 164 | 160 | 203 |

*Calculated from adjusted probabilities

Table E-2.24. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01453000

Lehigh River at Bethlehem, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 313 | 365 | 420 | 487 | 533 | 549 | 556 | 590 | 995 | 1170 |
| 2 | 50.00 | 322 | 371 | 427 | 495 | 545 | 568 | 584 | 630 | 1070 | 1270 |
| 5 | 20.00 | 339 | 383 | 441 | 511 | 567 | 604 | 637 | 703 | 1190 | 1450 |
| 10 | 10.00 | 358 | 399 | 458 | 529 | 592 | 645 | 696 | 782 | 1320 | 1620 |
| 20 | 5.00 | 387 | 423 | 485 | 558 | 630 | 709 | 787 | 903 | 1500 | 1850 |
| 50 | 2.00 | 471 | 499 | 566 | 641 | 737 | 894 | 1050 | 1240 | 1930 | 2370 |
| 80 | 1.25 | 611 | 633 | 704 | 779 | 909 | 1210 | 1500 | 1820 | 2530 | 2990 |
| 90 | 1.11 | 720 | 740 | 813 | 884 | 1040 | 1470 | 1860 | 2280 | 2930 | 3370 |
| 96 | 1.04 | 877 | 898 | 969 | 1030 | 1220 | 1850 | 2400 | 2970 | 3450 | 3810 |
| 98 | 1.02 | 1010 | 1030 | 1100 | 1150 | 1360 | 2170 | 2880 | 3560 | 3850 | 4120 |
| 99 | 1.01 | 1160 | 1180 | 1240 | 1280 | 1520 | 2540 | 3410 | 4220 | 4250 | 4410 |

Table E-2.25. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01454700

Lehigh River at Glendon, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 324 | 411 | 466 | 546 | 588 | 596 | 601 | 636 | 1050 | 1240 |
| 2 | 50.00 | 338 | 417 | 473 | 552 | 600 | 616 | 632 | 679 | 1130 | 1350 |
| 5 | 20.00 | 363 | 431 | 488 | 566 | 621 | 654 | 687 | 755 | 1260 | 1530 |
| 10 | 10.00 | 390 | 448 | 505 | 584 | 647 | 697 | 749 | 838 | 1390 | 1710 |
| 20 | 5.00 | 429 | 476 | 534 | 612 | 686 | 765 | 845 | 966 | 1580 | 1950 |
| 50 | 2.00 | 532 | 560 | 621 | 698 | 798 | 960 | 1120 | 1330 | 2030 | 2480 |
| 80 | 1.25 | 693 | 709 | 774 | 847 | 981 | 1300 | 1600 | 1940 | 2670 | 3150 |
| 90 | 1.11 | 811 | 829 | 895 | 963 | 1120 | 1570 | 1990 | 2430 | 3110 | 3550 |
| 96 | 1.04 | 974 | 1010 | 1070 | 1130 | 1320 | 1970 | 2570 | 3160 | 3670 | 4030 |
| 98 | 1.02 | 1110 | 1160 | 1220 | 1270 | 1480 | 2320 | 3080 | 3790 | 4090 | 4360 |
| 99 | 1.01 | 1250 | 1320 | 1380 | 1420 | 1650 | 2710 | 3650 | 4490 | 4530 | 4690 |

Table E-2.26. Combination 17 Low Flow Frequency Table

(Flow in cfs)

USGS Station 01456000

Musconetcong River Near Hackettstown, N.J.

| Probability
(Percent) | Recurrence
Interval
(Years) | 1* | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
|--------------------------|-----------------------------------|------|------|------|------|------|------|------|------|------|------|
| 1 | 100.00 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.6 | 33.3 |
| 2 | 50.00 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 14.2 | 18.3 | 41.7 |
| 5 | 20.00 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 15.5 | 19.3 | 29.7 | 56.3 |
| 10 | 10.00 | 12.2 | 12.2 | 12.2 | 12.2 | 12.2 | 15.0 | 19.5 | 25.0 | 42.9 | 71.1 |
| 20 | 5.00 | 12.2 | 12.2 | 12.2 | 12.2 | 14.8 | 19.6 | 25.7 | 33.8 | 62.1 | 90.7 |
| 50 | 2.00 | 12.2 | 12.2 | 12.4 | 15.5 | 22.9 | 32.6 | 42.7 | 56.8 | 101 | 129 |
| 80 | 1.25 | 13.9 | 16.7 | 18.1 | 24.6 | 37.1 | 54.3 | 69.2 | 89.6 | 131 | 161 |
| 90 | 1.11 | 17.5 | 22.3 | 24.7 | 33.7 | 48.7 | 71.1 | 88.2 | 111 | 140 | 173 |
| 96 | 1.04 | 25.9 | 33.5 | 38.1 | 49.8 | 66.0 | 94.7 | 113 | 137 | 145 | 182 |
| 98 | 1.02 | 36.0 | 46.0 | 53.2 | 66.4 | 80.9 | 114 | 133 | 155 | 163 | 186 |
| 99 | 1.01 | 51.2 | 63.8 | 74.7 | 87.8 | 97.8 | 135 | 153 | 173 | 181 | 189 |

*Calculated from statistical parameters.

Table E-2.27. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01457500

Delaware River at Riegelsville, N.J.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|-------|-------|-------|-------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 1670 | 2080 | 2490 | 2550 | 2630 | 2650 | 2690 | 2740 | 4030 | 4730 |
| 2 | 50.00 | 1730 | 2110 | 2500 | 2560 | 2640 | 2660 | 2700 | 2750 | 4130 | 5200 |
| 5 | 20.00 | 1830 | 2170 | 2510 | 2570 | 2650 | 2670 | 2720 | 2770 | 4960 | 5970 |
| 10 | 10.00 | 1920 | 2230 | 2520 | 2580 | 2660 | 2680 | 2750 | 3070 | 5550 | 6710 |
| 20 | 5.00 | 2040 | 2310 | 2540 | 2610 | 2700 | 2830 | 3070 | 3450 | 6340 | 7700 |
| 50 | 2.00 | 2310 | 2510 | 2660 | 2750 | 2920 | 3410 | 3990 | 4740 | 8190 | 9870 |
| 80 | 1.25 | 2630 | 2800 | 2950 | 3140 | 3540 | 4540 | 5570 | 6800 | 10500 | 12300 |
| 90 | 1.11 | 2820 | 2990 | 3220 | 3500 | 4150 | 5510 | 6840 | 8420 | 12000 | 13800 |
| 96 | 1.04 | 3050 | 3230 | 3630 | 4090 | 5150 | 7000 | 8730 | 10800 | 13900 | 15400 |
| 98 | 1.02 | 3220 | 3410 | 3980 | 4610 | 6090 | 8340 | 10400 | 12700 | 15200 | 16400 |
| 99 | 1.01 | 3380 | 3600 | 4370 | 5210 | 7220 | 9930 | 12200 | 15000 | 16500 | 17400 |

Table E-2.28. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01459500

Tohickon Creek at Pipersville, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|------|
| | | 1 | 3 | 7* | 14* | 30* | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 43.6 |
| 2 | 50.00 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 13.1 | 51.7 |
| 5 | 20.00 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.1 | 22.6 | 65.7 |
| 10 | 10.00 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 14.4 | 34.4 | 80.1 |
| 20 | 5.00 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 13.1 | 19.8 | 53.4 | 99.9 |
| 50 | 2.00 | 11.0 | 11.0 | 11.0 | 11.0 | 11.0 | 13.5 | 21.0 | 37.3 | 101 | 144 |
| 80 | 1.25 | 11.0 | 11.0 | 11.1 | 11.5 | 12.2 | 22.2 | 41.5 | 72.0 | 152 | 194 |
| 90 | 1.11 | 11.0 | 11.0 | 11.5 | 12.7 | 14.6 | 31.9 | 64.8 | 103 | 173 | 221 |
| 96 | 1.04 | 11.0 | 11.0 | 12.1 | 15.1 | 19.4 | 51.1 | 112 | 151 | 191 | 249 |
| 98 | 1.02 | 11.0 | 11.0 | 12.7 | 17.4 | 24.9 | 72.7 | 166 | 194 | 199 | 267 |
| 99 | 1.01 | 11.0 | 11.0 | 13.3 | 20.3 | 32.3 | 103 | 244 | 244 | 205 | 282 |

*Calculated from statistical parameters

Table E-2.29. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01463500

Delaware River at Trenton, N.J.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 1800 | 2260 | 2690* | 2750* | 2820* | 2840* | 2890* | 2940* | 4290 | 5060 |
| 2 | 50.00 | 1860 | 2280 | 2700* | 2760* | 2830 | 2850* | 2900* | 2950* | 4670 | 5560 |
| 5 | 20.00 | 1950 | 2330 | 2710* | 2770 | 2840 | 2860* | 2920* | 2970 | 5300 | 6390 |
| 10 | 10.00 | 2040 | 2390 | 2720* | 2780* | 2850 | 2870* | 2950 | 3290 | 5930 | 7190 |
| 20 | 5.00 | 2170 | 2470 | 2730 | 2800 | 2890 | 3030 | 3290 | 3770 | 6790 | 8250 |
| 50 | 2.00 | 2450 | 2670 | 2840 | 2940 | 3130 | 3670 | 4290 | 5100 | 8780 | 10600 |
| 80 | 1.25 | 2800 | 2980 | 3140 | 3350 | 3790 | 4890 | 6020 | 7340 | 11300 | 13200 |
| 90 | 1.11 | 3020 | 3190 | 3430 | 3740 | 4440 | 5940 | 7410 | 9090 | 12900 | 14800 |
| 96 | 1.04 | 3280 | 3460 | 3860 | 4370 | 5520 | 7550 | 9480 | 11700 | 14900 | 16500 |
| 98 | 1.02 | 3480 | 3670 | 4240 | 4940 | 6540 | 8990 | 11300 | 13800 | 16300 | 17600 |
| 99 | 1.01 | 3670 | 3880 | 4660 | 5590 | 7760 | 10700 | 13300 | 16300 | 17700 | 18700 |

*Recalculated

Table E-2.30. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01467500
Schuylkill River at Pottsville, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 9.97 | 10.8 | 11.9 | 12.8 | 14.5 | 15.5 | 17.1 | 18.7 | 35.6 | 47.6 |
| 2 | 50.00 | 10.8 | 11.7 | 12.8 | 13.7 | 15.5 | 16.9 | 19.1 | 21.2 | 39.2 | 51.8 |
| 5 | 20.00 | 12.2 | 13.2 | 14.3 | 15.2 | 17.3 | 19.4 | 22.2 | 25.4 | 45.3 | 59.7 |
| 10 | 10.00 | 13.7 | 14.7 | 15.9 | 16.8 | 19.1 | 21.9 | 25.6 | 29.9 | 51.3 | 65.4 |
| 20 | 5.00 | 15.7 | 16.8 | 18.0 | 19.0 | 21.8 | 25.6 | 30.5 | 36.2 | 59.4 | 74.4 |
| 50 | 2.00 | 20.4 | 21.6 | 23.3 | 24.7 | 28.4 | 35.0 | 42.8 | 52.1 | 77.9 | 94.1 |
| 80 | 1.25 | 26.6 | 28.1 | 30.6 | 32.9 | 38.2 | 49.0 | 60.8 | 74.7 | 101 | 118 |
| 90 | 1.11 | 30.6 | 32.4 | 35.5 | 38.7 | 45.1 | 59.1 | 73.3 | 89.8 | 115 | 132 |
| 96 | 1.04 | 35.6 | 37.6 | 41.8 | 46.3 | 54.3 | 72.5 | 89.7 | 109 | 131 | 148 |
| 98 | 1.02 | 39.4 | 41.5 | 46.6 | 52.2 | 61.5 | 83.1 | 102 | 124 | 142 | 159 |
| 99 | 1.01 | 43.1 | 45.4 | 51.6 | 58.4 | 69.0 | 94.3 | 115 | 139 | 153 | 169 |

Table E-2.31. Combination 17 Low Flow Frequency Table

(Flow in cfs)

USGS Station 01457950

West Branch Schuylkill River at Cressona, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 8.52 | 9.55 | 10.8 | 11.1 | 12.1 | 13.8 | 14.9 | 17.6 | 28.1 | 38.0 |
| 2 | 50.00 | 9.56 | 10.6 | 11.7 | 12.1 | 13.2 | 15.1 | 16.6 | 19.6 | 31.6 | 42.2 |
| 5 | 20.00 | 11.2 | 12.2 | 13.3 | 13.8 | 15.1 | 17.4 | 19.5 | 23.0 | 37.3 | 48.9 |
| 10 | 10.00 | 12.9 | 13.8 | 14.8 | 15.5 | 17.0 | 19.8 | 22.5 | 26.6 | 42.9 | 55.2 |
| 20 | 5.00 | 15.1 | 15.9 | 16.9 | 17.8 | 19.6 | 23.2 | 26.9 | 31.7 | 50.3 | 63.4 |
| 50 | 2.00 | 19.7 | 20.3 | 21.5 | 22.9 | 25.9 | 31.4 | 37.7 | 44.3 | 66.2 | 80.0 |
| 80 | 1.25 | 24.8 | 25.3 | 27.0 | 29.1 | 34.3 | 42.8 | 52.8 | 62.3 | 84.0 | 97.4 |
| 90 | 1.11 | 27.6 | 28.0 | 30.4 | 32.8 | 39.7 | 50.5 | 63.0 | 74.5 | 93.9 | 106 |
| 96 | 1.04 | 30.6 | 31.0 | 34.3 | 37.2 | 46.5 | 60.3 | 76.1 | 90.2 | 105 | 116 |
| 98 | 1.02 | 32.5 | 33.0 | 37.0 | 40.3 | 51.5 | 67.7 | 86.0 | 102 | 112 | 122 |
| 99 | 1.01 | 34.2 | 34.8 | 39.6 | 43.2 | 56.5 | 75.2 | 96.0 | 114 | 118 | 127 |

Table E-2.32. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01468500
Schuylkill River at Landingville, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|-----|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 18.5 | 19.9 | 20.7 | 22.3 | 26.2 | 30.7 | 35.1 | 41.5 | 87.9 | 126 |
| 2 | 50.00 | 20.5 | 21.9 | 22.9 | 24.7 | 29.0 | 34.2 | 39.7 | 47.4 | 97.1 | 136 |
| 5 | 20.00 | 23.9 | 25.5 | 26.8 | 28.9 | 34.0 | 40.5 | 48.0 | 57.8 | 112 | 152 |
| 10 | 10.00 | 27.5 | 29.1 | 30.8 | 33.3 | 39.2 | 47.2 | 56.8 | 68.9 | 128 | 167 |
| 20 | 5.00 | 32.6 | 34.3 | 36.6 | 39.6 | 46.7 | 57.1 | 69.8 | 85.1 | 148 | 188 |
| 50 | 2.00 | 45.3 | 47.4 | 51.2 | 55.6 | 66.2 | 83.3 | 104 | 127 | 196 | 235 |
| 80 | 1.25 | 63.2 | 66.0 | 72.2 | 79.2 | 95.3 | 124 | 155 | 189 | 255 | 294 |
| 90 | 1.11 | 75.4 | 78.7 | 86.8 | 95.6 | 116 | 153 | 192 | 232 | 291 | 330 |
| 96 | 1.04 | 91.2 | 95.2 | 106 | 117 | 144 | 194 | 241 | 289 | 334 | 372 |
| 98 | 1.02 | 103 | 108 | 120 | 134 | 165 | 227 | 280 | 332 | 364 | 403 |
| 99 | 1.01 | 115 | 121 | 136 | 152 | 188 | 261 | 320 | 376 | 393 | 432 |

Table E-2.33. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01469500
Little Schuylkill River at Tamaqua, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 2.51 | 2.70 | 3.01 | 3.39 | 4.11 | 4.55 | 5.29 | 7.01 | 23.4 | 34.6 |
| 2 | 50.00 | 2.88 | 3.09 | 3.42 | 3.83 | 4.65 | 5.32 | 6.35 | 8.42 | 26.2 | 38.2 |
| 5 | 20.00 | 3.53 | 3.78 | 4.18 | 4.63 | 5.65 | 6.74 | 8.35 | 11.1 | 31.1 | 44.3 |
| 10 | 10.00 | 4.25 | 4.53 | 5.00 | 5.50 | 6.75 | 8.36 | 10.6 | 14.1 | 36.1 | 50.5 |
| 20 | 5.00 | 5.32 | 5.66 | 6.22 | 6.83 | 8.45 | 10.9 | 14.3 | 18.9 | 43.2 | 58.9 |
| 50 | 2.00 | 8.23 | 8.69 | 9.56 | 10.5 | 13.3 | 18.2 | 24.9 | 32.8 | 60.5 | 78.4 |
| 80 | 1.25 | 12.8 | 13.4 | 14.9 | 16.6 | 21.7 | 31.1 | 43.5 | 56.8 | 84.2 | 103 |
| 90 | 1.11 | 16.2 | 16.9 | 18.8 | 21.3 | 28.4 | 41.3 | 58.2 | 75.5 | 99.7 | 119 |
| 96 | 1.04 | 20.9 | 21.7 | 24.3 | 28.1 | 38.2 | 56.3 | 79.4 | 102 | 119 | 137 |
| 98 | 1.02 | 24.6 | 25.5 | 28.7 | 33.6 | 46.6 | 69.0 | 96.9 | 124 | 134 | 150 |
| 99 | 1.01 | 28.6 | 29.6 | 33.4 | 39.7 | 55.9 | 82.9 | 116 | 148 | 154* | 163 |

*Recalculated

Table E-2.34. Combination 17 Low Flow Frequency Table

(Flow in cfs)

USGS Station 01470000
Little Schuylkill River at Dreherstown, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|-----|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 19.5 | 20.6 | 22.0 | 24.1 | 28.6 | 30.7 | 33.3 | 39.1 | 82.5 | 118 |
| 2 | 50.00 | 21.4 | 22.6 | 24.1 | 26.3 | 31.0 | 34.0 | 37.7 | 44.7 | 91.4 | 127 |
| 5 | 20.00 | 24.8 | 26.0 | 27.8 | 30.1 | 35.3 | 39.9 | 45.4 | 54.5 | 106 | 142 |
| 10 | 10.00 | 28.3 | 29.6 | 31.6 | 34.1 | 39.8 | 46.2 | 53.7 | 64.9 | 121 | 157 |
| 20 | 5.00 | 33.2 | 34.6 | 37.0 | 39.7 | 46.5 | 55.4 | 65.9 | 80.2 | 140 | 177 |
| 50 | 2.00 | 45.4 | 47.1 | 50.5 | 54.3 | 64.0 | 79.8 | 98.2 | 120 | 184 | 220 |
| 80 | 1.25 | 62.5 | 64.8 | 69.6 | 75.7 | 91.1 | 118 | 147 | 178 | 236 | 272 |
| 90 | 1.11 | 74.1 | 76.8 | 82.8 | 90.9 | 111 | 145 | 183 | 218 | 267 | 303 |
| 96 | 1.04 | 89.0 | 92.3 | 99.8 | 111 | 139 | 183 | 230 | 271 | 303 | 339 |
| 98 | 1.02 | 100 | 104 | 133 | 127 | 161 | 214 | 268 | 311 | 327 | 364 |
| 99 | 1.01 | 112 | 116 | 126 | 144 | 185 | 247 | 307 | 353 | 370* | 388 |

*Recalculated

Table E-2.35. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470500
Schuylkill River at Berne, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 36.2 | 44.3 | 48.5 | 52.2 | 63.0 | 74.1 | 79.9 | 96.6 | 219 | 321 |
| 2 | 50.00 | 41.9 | 49.8 | 54.5 | 58.6 | 70.3 | 82.7 | 91.4 | 111 | 244 | 350 |
| 5 | 20.00 | 51.7 | 59.1 | 64.6 | 69.5 | 82.8 | 97.7 | 112 | 136 | 285 | 398 |
| 10 | 10.00 | 61.8 | 68.7 | 75.0 | 80.8 | 95.7 | 114 | 134 | 163 | 327 | 445 |
| 20 | 5.00 | 76.0 | 82.1 | 89.4 | 96.7 | 114 | 137 | 167 | 204 | 384 | 508 |
| 50 | 2.00 | 110 | 114 | 124 | 135 | 159 | 199 | 254 | 314 | 517 | 650 |
| 80 | 1.25 | 153 | 156 | 169 | 187 | 222 | 295 | 389 | 483 | 686 | 825 |
| 90 | 1.11 | 179 | 183 | 197 | 220 | 264 | 365 | 486 | 606 | 791 | 932 |
| 96 | 1.04 | 210 | 216 | 232 | 262 | 317 | 461 | 617 | 772 | 915 | 1060 |
| 98 | 1.02 | 231 | 240 | 257 | 293 | 357 | 537 | 720 | 904 | 1000 | 1150 |
| 99 | 1.01 | 251 | 264 | 281 | 323 | 397 | 618 | 828 | 1040 | 1090 | 1230 |

Table E-2.36. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470756
Maiden Creek at Virginville, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 7.40 | 8.32 | 9.83 | 10.1 | 11.8 | 13.7 | 15.8 | 20.9 | 46.6 | 77.3 |
| 2 | 50.00 | 8.58 | 9.55 | 11.0 | 11.4 | 13.3 | 15.8 | 18.5 | 24.3 | 54.5 | 87.9 |
| 5 | 20.00 | 10.6 | 11.7 | 13.1 | 13.8 | 16.0 | 19.6 | 23.4 | 30.6 | 68.4 | 106 |
| 10 | 10.00 | 12.7 | 13.8 | 15.3 | 16.2 | 18.8 | 23.7 | 29.0 | 37.7 | 82.8 | 124 |
| 20 | 5.00 | 15.6 | 16.8 | 18.3 | 19.7 | 23.0 | 29.8 | 37.5 | 48.6 | 103 | 148 |
| 50 | 2.00 | 22.4 | 23.6 | 25.7 | 28.2 | 34.2 | 46.5 | 61.5 | 79.8 | 152 | 204 |
| 80 | 1.25 | 30.7 | 32.0 | 35.7 | 40.1 | 51.5 | 72.8 | 102 | 132 | 213 | 270 |
| 90 | 1.11 | 35.7 | 37.0 | 42.2 | 47.9 | 64.1 | 92.2 | 132 | 173 | 250 | 310 |
| 96 | 1.04 | 41.4 | 42.7 | 50.3 | 57.7 | 81.3 | 119 | 175 | 232 | 292 | 354 |
| 98 | 1.02 | 45.2 | 46.6 | 56.2 | 65.0 | 95.0 | 140 | 211 | 280 | 321 | 385 |
| 99 | 1.01 | 48.8 | 50.2 | 62.1 | 72.2 | 110 | 162 | 249 | 333 | 349 | 413 |

Table E-2.37. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01470960

Tulpehocken Creek at Blue Marsh Damsite, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|-----|
| | | 1 | 3* | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 42.2 | 59.0 | 105 |
| 2 | 50.00 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 47.2 | 68.0 | 117 |
| 5 | 20.00 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 46.2 | 56.0 | 83.5 | 136 |
| 10 | 10.00 | 41.0 | 41.0 | 41.0 | 41.0 | 41.3 | 47.2 | 54.4 | 65.4 | 99.4 | 155 |
| 20 | 5.00 | 41.0 | 41.0 | 41.0 | 41.1 | 46.9 | 56.2 | 66.3 | 79.3 | 122 | 179 |
| 50 | 2.00 | 41.0 | 41.0 | 42.3 | 49.7 | 61.6 | 79.6 | 97.3 | 116 | 173 | 232 |
| 80 | 1.25 | 41.0 | 41.7 | 50.2 | 64.3 | 84.4 | 114 | 144 | 173 | 238 | 292 |
| 90 | 1.11 | 41.0 | 43.2 | 57.4 | 75.6 | 101 | 138 | 178 | 215 | 276 | 326 |
| 96 | 1.04 | 41.0 | 45.8 | 68.6 | 92.1 | 124 | 171 | 222 | 272 | 320 | 364 |
| 98 | 1.02 | 41.0 | 48.2 | 78.7 | 106 | 143 | 196 | 257 | 317 | 351 | 389 |
| 99 | 1.01 | 41.0 | 50.8 | 90.4 | 121 | 164 | 222 | 294 | 365 | 379 | 412 |

*Calculated from statistical parameters

Table E-2.38. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01471000

Tulpehocken Creek at Reading, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
|--------------------------|-----------------------------------|------|-------|-------|-------|-------|-------|-------|------|------|-----|
| 1 | 100.00 | 42.5 | 43.6* | 44.7* | 45.8* | 46.5* | 47.2* | 47.8* | 52.3 | 75.8 | 129 |
| 2 | 50.00 | 43.2 | 44.1* | 45.1* | 46.2* | 47.0* | 47.5* | 48.0 | 58.5 | 86.8 | 143 |
| 5 | 20.00 | 44.5 | 44.7 | 44.8* | 44.9 | 48.9* | 50.7 | 57.4 | 69.2 | 106 | 166 |
| 10 | 10.00 | 46.0 | 46.5 | 47.0 | 48.1 | 50.8 | 58.4 | 67.3 | 80.7 | 125 | 188 |
| 20 | 5.00 | 48.3 | 49.3 | 50.6 | 52.9 | 57.8 | 69.4 | 81.8 | 97.6 | 151 | 218 |
| 50 | 2.00 | 55.2 | 57.1 | 60.3 | 65.2 | 76.2 | 97.7 | 120 | 142 | 213 | 282 |
| 80 | 1.25 | 66.7 | 69.4 | 76.0 | 83.8 | 104 | 139 | 176 | 211 | 290 | 354 |
| 90 | 1.11 | 75.4 | 78.6 | 87.9 | 97.3 | 124 | 169 | 217 | 261 | 336 | 395 |
| 96 | 1.04 | 87.6 | 91.3 | 105 | 116 | 152 | 207 | 271 | 330 | 390 | 441 |
| 98 | 1.02 | 97.6 | 101 | 118 | 130 | 175 | 237 | 313 | 384 | 427 | 471 |
| 99 | 1.01 | 108 | 112 | 133 | 146 | 199 | 269 | 357 | 442 | 462 | 499 |

*Recalculated

Table E-2.39. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01471500

Schuylkill River at Reading, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|-----|-----|-----|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 87.6 | 95.3 | 106 | 109 | 126 | 141 | 153 | 196 | 389 | 609 |
| 2 | 50.00 | 98.4 | 106 | 117 | 121 | 140 | 160 | 176 | 225 | 448 | 685 |
| 5 | 20.00 | 117 | 125 | 136 | 142 | 164 | 192 | 218 | 277 | 550 | 810 |
| 10 | 10.00 | 135 | 144 | 155 | 164 | 190 | 226 | 264 | 334 | 653 | 933 |
| 20 | 5.00 | 160 | 169 | 181 | 193 | 226 | 276 | 333 | 420 | 795 | 1100 |
| 50 | 2.00 | 217 | 227 | 243 | 264 | 319 | 408 | 520 | 654 | 1120 | 1460 |
| 80 | 1.25 | 287 | 297 | 324 | 357 | 454 | 610 | 814 | 1020 | 1520 | 1860 |
| 90 | 1.11 | 329 | 340 | 376 | 416 | 547 | 755 | 1030 | 1300 | 1750 | 2090 |
| 96 | 1.04 | 378 | 389 | 439 | 489 | 669 | 951 | 1320 | 1670 | 2020 | 2340 |
| 98 | 1.02 | 412 | 424 | 484 | 541 | 762 | 1110 | 1560 | 1980 | 2200 | 2510 |
| 99 | 1.01 | 445 | 456 | 529 | 593 | 859 | 1270 | 1800 | 2300 | 2360 | 2660 |

Table E-2.40. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01472000

Schuylkill River at Pottstown, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|-----|-----|-----|------|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 146 | 161 | 180 | 183 | 207 | 234 | 251 | 309 | 567 | 829 |
| 2 | 50.00 | 163 | 179 | 197 | 202 | 227 | 260 | 285 | 350 | 642 | 921 |
| 5 | 20.00 | 192 | 207 | 225 | 233 | 262 | 306 | 344 | 422 | 767 | 1070 |
| 10 | 10.00 | 220 | 235 | 252 | 265 | 298 | 354 | 408 | 499 | 892 | 1220 |
| 20 | 5.00 | 258 | 273 | 291 | 308 | 350 | 423 | 501 | 611 | 1060 | 1410 |
| 50 | 2.00 | 342 | 356 | 380 | 409 | 478 | 601 | 743 | 907 | 1450 | 1830 |
| 80 | 1.25 | 443 | 455 | 495 | 540 | 660 | 861 | 1110 | 1350 | 1920 | 2300 |
| 90 | 1.11 | 502 | 514 | 567 | 622 | 785 | 1040 | 1370 | 1670 | 2190 | 2560 |
| 96 | 1.04 | 569 | 581 | 656 | 723 | 947 | 1290 | 1710 | 2100 | 2510 | 2850 |
| 98 | 1.02 | 615 | 627 | 720 | 795 | 1070 | 1470 | 1980 | 2430 | 2720 | 3050 |
| 99 | 1.01 | 658 | 670 | 783 | 866 | 1200 | 1670 | 2260 | 2780 | 2920 | 3220 |

Table E 2.41. Combination 17 Low Flow Frequency Table
(Flow in cfs)

USGS Station 01473000
Perkiomen Creek at Graterford, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|-----|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 5.51 | 8.78 | 11.3 | 13.0 | 16.2 | 24.1 | 32.9 | 35.8 | 72.8 | 165 |
| 2 | 50.00 | 6.95 | 10.4 | 12.9 | 14.6 | 18.3 | 26.6 | 35.9 | 40.8 | 86.3 | 182 |
| 5 | 20.00 | 9.64 | 13.2 | 15.7 | 17.6 | 22.0 | 31.3 | 41.5 | 49.9 | 110 | 211 |
| 10 | 10.00 | 12.6 | 16.2 | 18.6 | 20.8 | 26.1 | 36.5 | 48.0 | 60.3 | 135 | 240 |
| 20 | 5.00 | 17.1 | 20.5 | 22.9 | 25.5 | 32.0 | 44.5 | 58.4 | 76.5 | 171 | 279 |
| 50 | 2.00 | 28.3 | 31.0 | 34.0 | 37.9 | 47.7 | 67.6 | 90.5 | 124 | 259 | 367 |
| 80 | 1.25 | 42.7 | 44.7 | 50.1 | 57.1 | 71.7 | 109 | 153 | 210 | 374 | 475 |
| 90 | 1.11 | 51.3 | 53.1 | 61.2 | 71.0 | 89.0 | 143 | 210 | 281 | 445 | 541 |
| 96 | 1.04 | 60.8 | 63.0 | 75.8 | 89.8 | 113 | 194 | 303 | 389 | 528 | 617 |
| 98 | 1.02 | 67.0 | 69.8 | 86.9 | 105 | 313 | 239 | 390 | 483 | 586 | 670 |
| 99 | 1.01 | 72.6 | 76.2 | 98.2 | 120 | 150 | 291 | 495 | 590 | 640 | 721 |

Table E-2.42. Combination 17 Low Flow Frequency Table

(Flow in cfs)

USGS Station 01474500
Schuylkill River at Philadelphia, PA.

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|------|------|------|------|------|------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 218 | 231 | 247 | 248 | 273 | 309 | 348 | 443 | 826 | 1240 |
| 2 | 50.00 | 236 | 251 | 268 | 273 | 302 | 349 | 399 | 502 | 936 | 1380 |
| 5 | 20.00 | 267 | 283 | 305 | 315 | 353 | 419 | 489 | 608 | 1120 | 1610 |
| 10 | 10.00 | 299 | 317 | 341 | 357 | 405 | 494 | 586 | 722 | 1310 | 1840 |
| 20 | 5.00 | 343 | 364 | 393 | 418 | 481 | 602 | 729 | 890 | 1580 | 2150 |
| 50 | 2.00 | 450 | 475 | 519 | 566 | 670 | 880 | 1100 | 1340 | 2190 | 2810 |
| 80 | 1.25 | 595 | 624 | 692 | 771 | 941 | 1290 | 1660 | 2040 | 2970 | 3570 |
| 90 | 1.11 | 691 | 722 | 807 | 909 | 1130 | 1570 | 2050 | 2550 | 3450 | 3990 |
| 96 | 1.04 | 813 | 843 | 955 | 1080 | 1370 | 1940 | 2560 | 3240 | 4020 | 4460 |
| 98 | 1.02 | 904 | 934 | 1070 | 1220 | 1560 | 2220 | 2960 | 3790 | 4410 | 4780 |
| 99 | 1.01 | 996 | 1020 | 1180 | 1350 | 1750 | 2520 | 3370 | 4370 | 4790 | 5060 |

Table E-2.43. Combination 17 Low Flow Frequency Table
(Flow in cfs)

Delaware River Below Schuylkill Confluence

| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|-------|------|-------|-------|-------|-------|-------|-------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 2370 | 2690 | 3200 | 3260 | 3300 | 3320* | 3340* | 3360 | 5730 | 7157 |
| 2 | 50.00 | 2450 | 2750 | 3220* | 3270 | 3330 | 3420* | 3520* | 3620 | 6300 | 7920 |
| 5 | 20.00 | 2600 | 2860 | 3240 | 3320 | 3400 | 3520* | 3630 | 4080 | 7230 | 9100 |
| 10 | 10.00 | 2740 | 2970 | 3280 | 3370 | 3500 | 3650 | 4010 | 4570 | 8170 | 10200 |
| 20 | 5.00 | 2920 | 3130 | 3360 | 3480 | 3670 | 4040 | 4580 | 5310 | 9440 | 11800 |
| 50 | 2.00 | 3350 | 3500 | 3670 | 3860 | 4260 | 5180 | 6170 | 7340 | 12400 | 15000 |
| 80 | 1.25 | 3870 | 4000 | 4270 | 4650 | 5400 | 7100 | 8840 | 10700 | 16200 | 18800 |
| 90 | 1.11 | 4200 | 4330 | 4770 | 5310 | 6370 | 8630 | 11000 | 13300 | 18500 | 20900 |
| 96 | 1.04 | 4590 | 4740 | 5500 | 6300 | 7840 | 10900 | 14000 | 17000 | 21300 | 23300 |
| 98 | 1.02 | 4870 | 5040 | 6120 | 7170 | 9140 | 12800 | 16700 | 20200 | 23400 | 24900 |
| 99 | 1.01 | 5150 | 5350 | 6800 | 8140 | 10600 | 15000 | 19600 | 23700 | 25300 | 26300 |

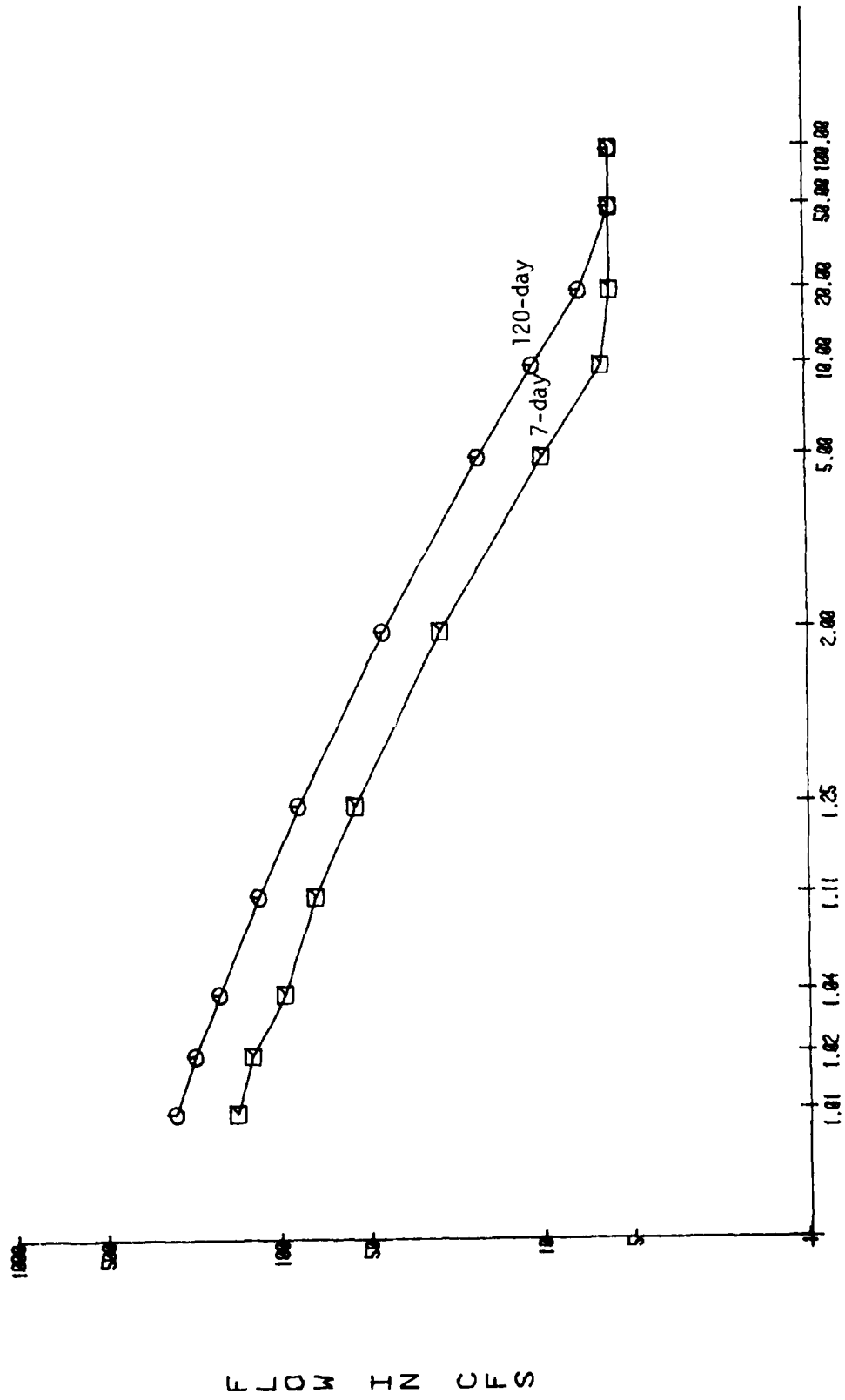
*Recalculated

Table E-2.44. Combination 17 Low Flow Frequency Table
(Flow in cfs)

Delaware River at Delaware Memorial Bridge

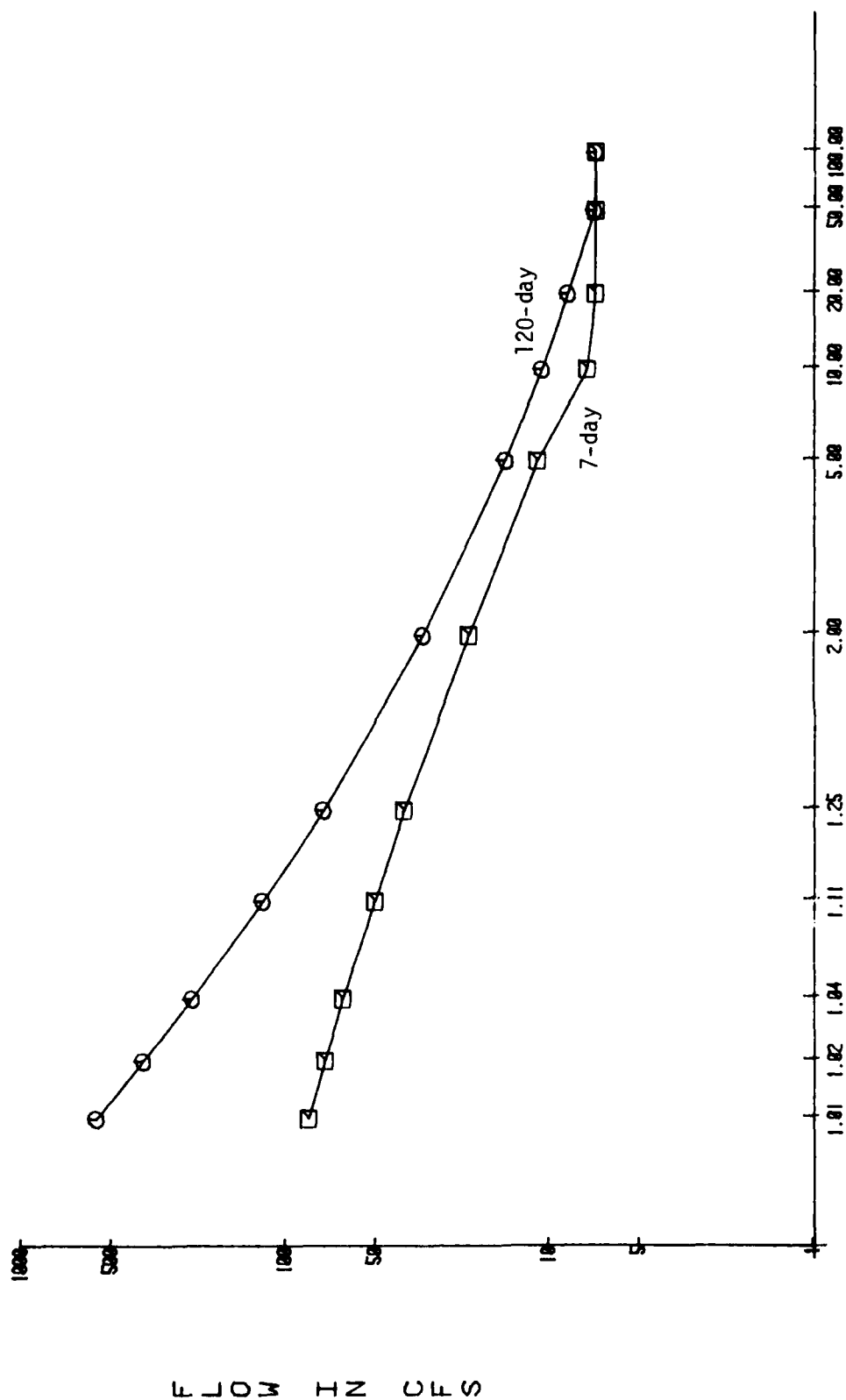
| Probability
(Percent) | Recurrence
Interval
(Years) | For Following Number of Consecutive Days | | | | | | | | | |
|--------------------------|-----------------------------------|--|------|------|------|-------|-------|-------|-------|-------|-------|
| | | 1 | 3 | 7 | 14 | 30 | 60 | 90 | 120 | 183 | 365 |
| 1 | 100.00 | 2450 | 2750 | 3300 | 3370 | 3400* | 3450* | 3490* | 3650 | 6170 | 7330 |
| 2 | 50.00 | 2560 | 2840 | 3320 | 3400 | 3430 | 3480* | 3520 | 3930 | 6780 | 8610 |
| 5 | 20.00 | 2730 | 2990 | 3370 | 3460 | 3550 | 3590 | 3920 | 4450 | 7810 | 9880 |
| 10 | 10.00 | 2900 | 3130 | 3440 | 3550 | 3690 | 3900 | 4360 | 5000 | 8830 | 11100 |
| 20 | 5.00 | 3130 | 3330 | 3560 | 3700 | 3930 | 4380 | 5020 | 5830 | 10200 | 12800 |
| 50 | 2.00 | 3630 | 3800 | 3960 | 4200 | 4680 | 5690 | 6830 | 8100 | 13500 | 16300 |
| 80 | 1.25 | 4250 | 4400 | 4730 | 5150 | 6030 | 7880 | 9820 | 11800 | 17700 | 20400 |
| 90 | 1.11 | 4630 | 4780 | 5340 | 5930 | 7140 | 9590 | 12200 | 14700 | 20300 | 22700 |
| 96 | 1.04 | 5080 | 5250 | 6250 | 7080 | 8790 | 12100 | 15500 | 18800 | 23500 | 25300 |
| 98 | 1.02 | 5410 | 5590 | 7010 | 8060 | 10200 | 14200 | 18400 | 22300 | 25800 | 27100 |
| 99 | 1.01 | 5720 | 5930 | 7850 | 9170 | 11800 | 16500 | 21600 | 26100 | 28000 | 29700 |

*Recalculated



RECURRENCE INTERVAL IN YEARS

Figure E-45. Combination 17 Low Flow Frequency Curves For
01417000, East Branch Delaware River at Downsview, N.Y.



RECURRENCE INTERVAL IN YEARS

Figure E-46. Combination 17 Low Flow Frequency Curves For
01425000, West Branch Delaware River at Stilesville, N.Y.

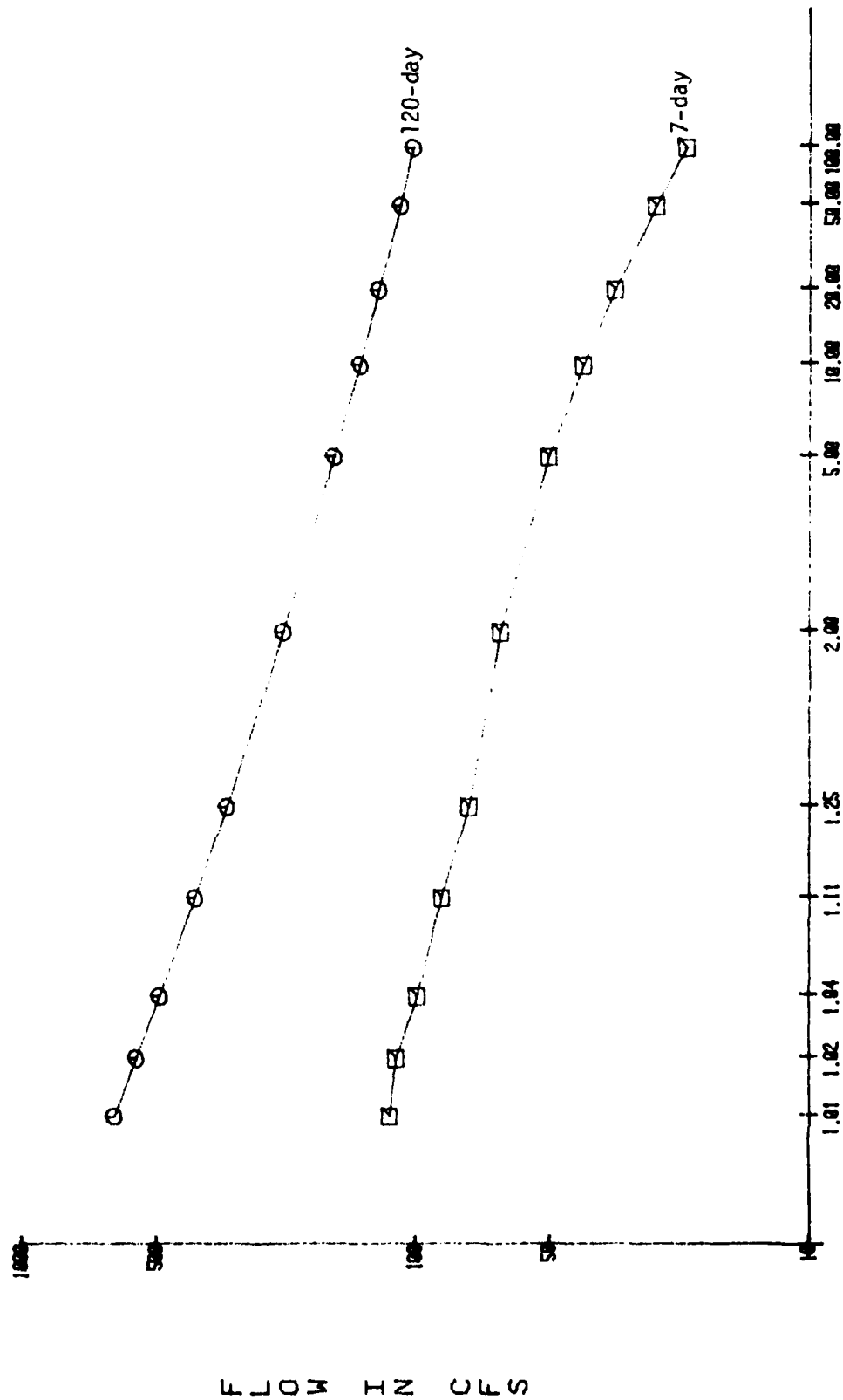


Figure E-47. RECURRENT INTERVAL IN YEARS
 Combination 17 Low Flow Frequency Curves For
 01426500, West Branch Delaware River at Hale Eddy, N.Y.

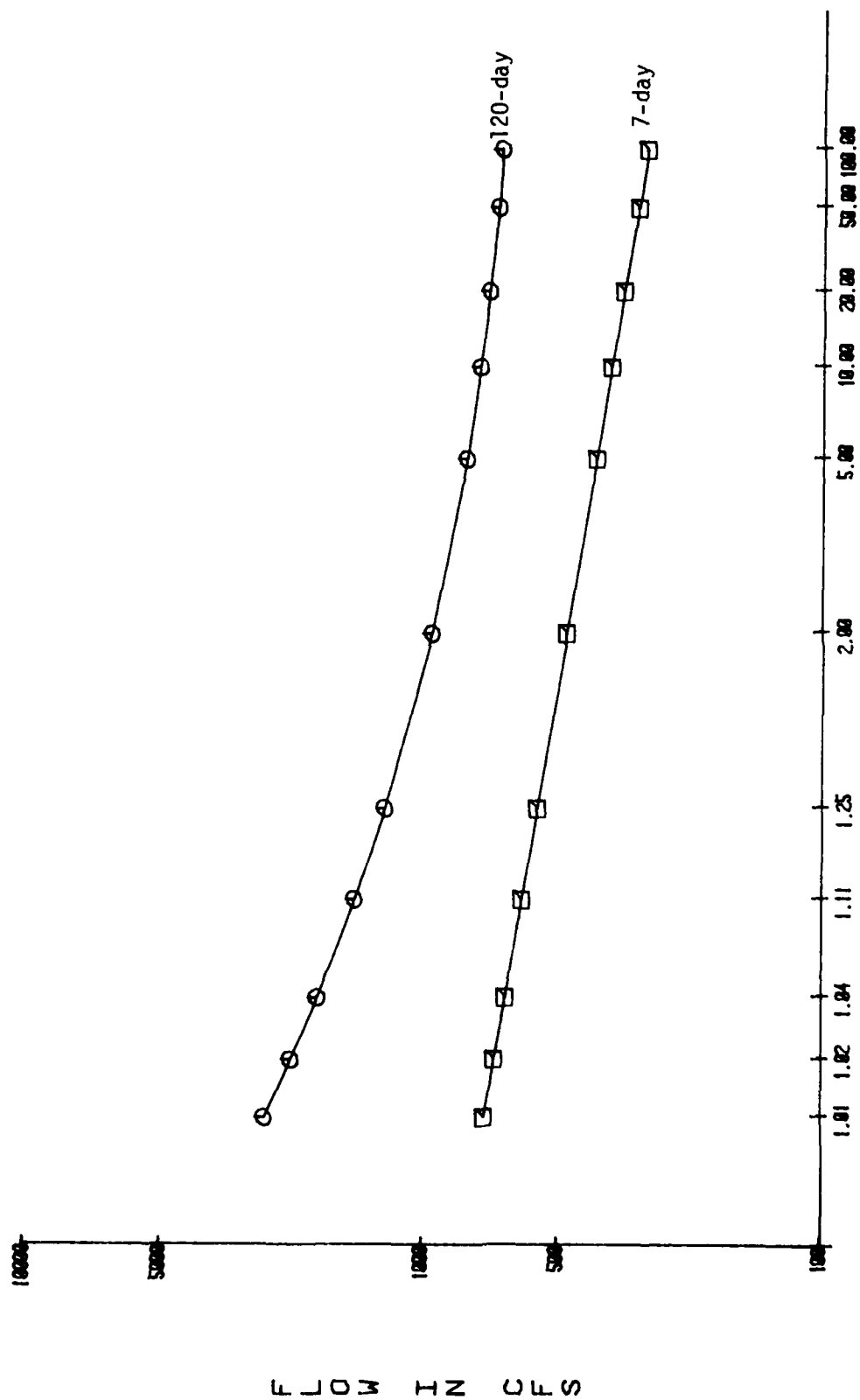
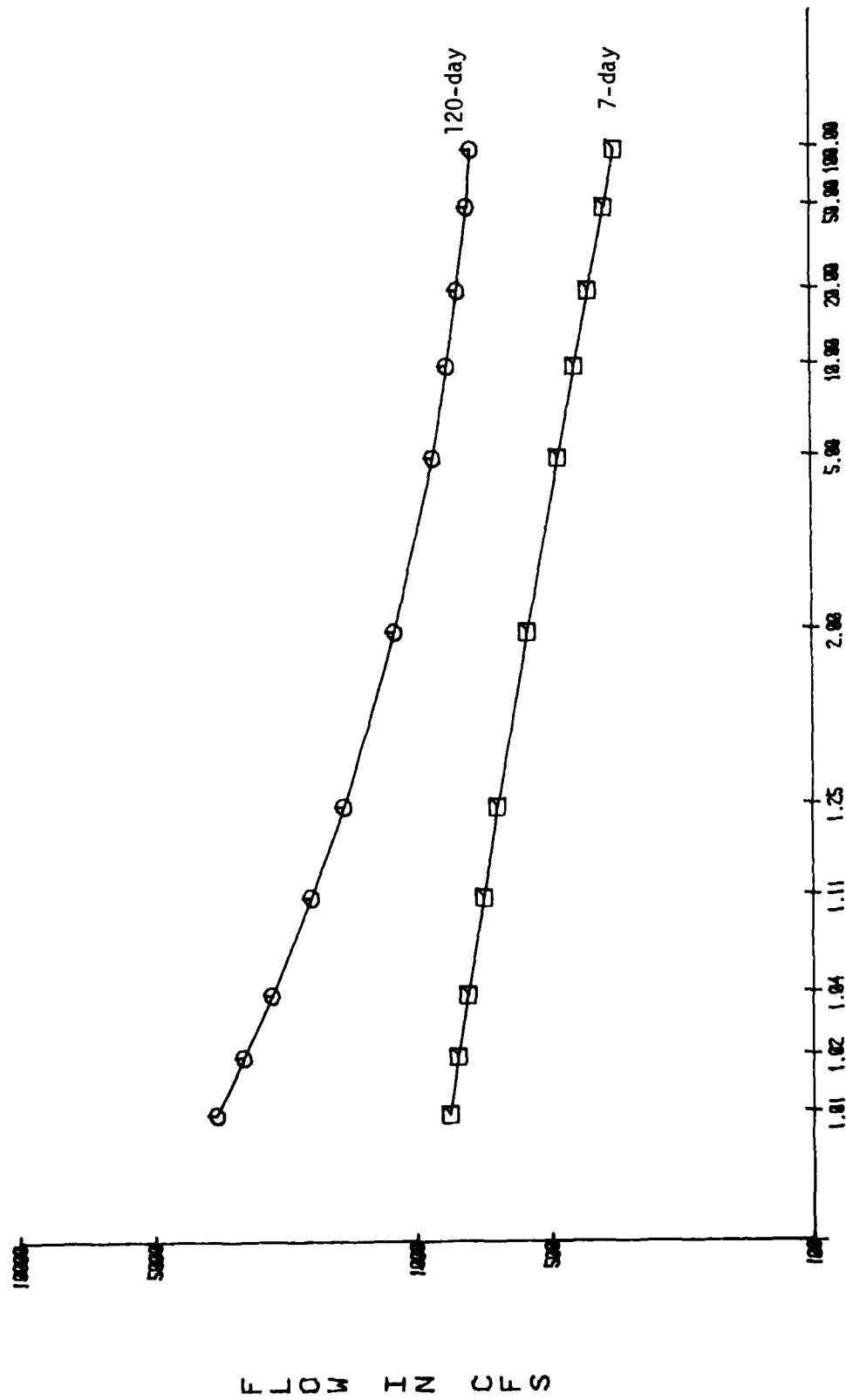


Figure E-48. Combination 17 Low Flow Frequency Curves For
01427405, Delaware River Near Callicoon, N.Y.



RECURRENCE INTERVAL IN YEARS

Figure E-49. Combination 17 Low Flow Frequency Curves For
01428500, Delaware River Near Barryville, N.Y.

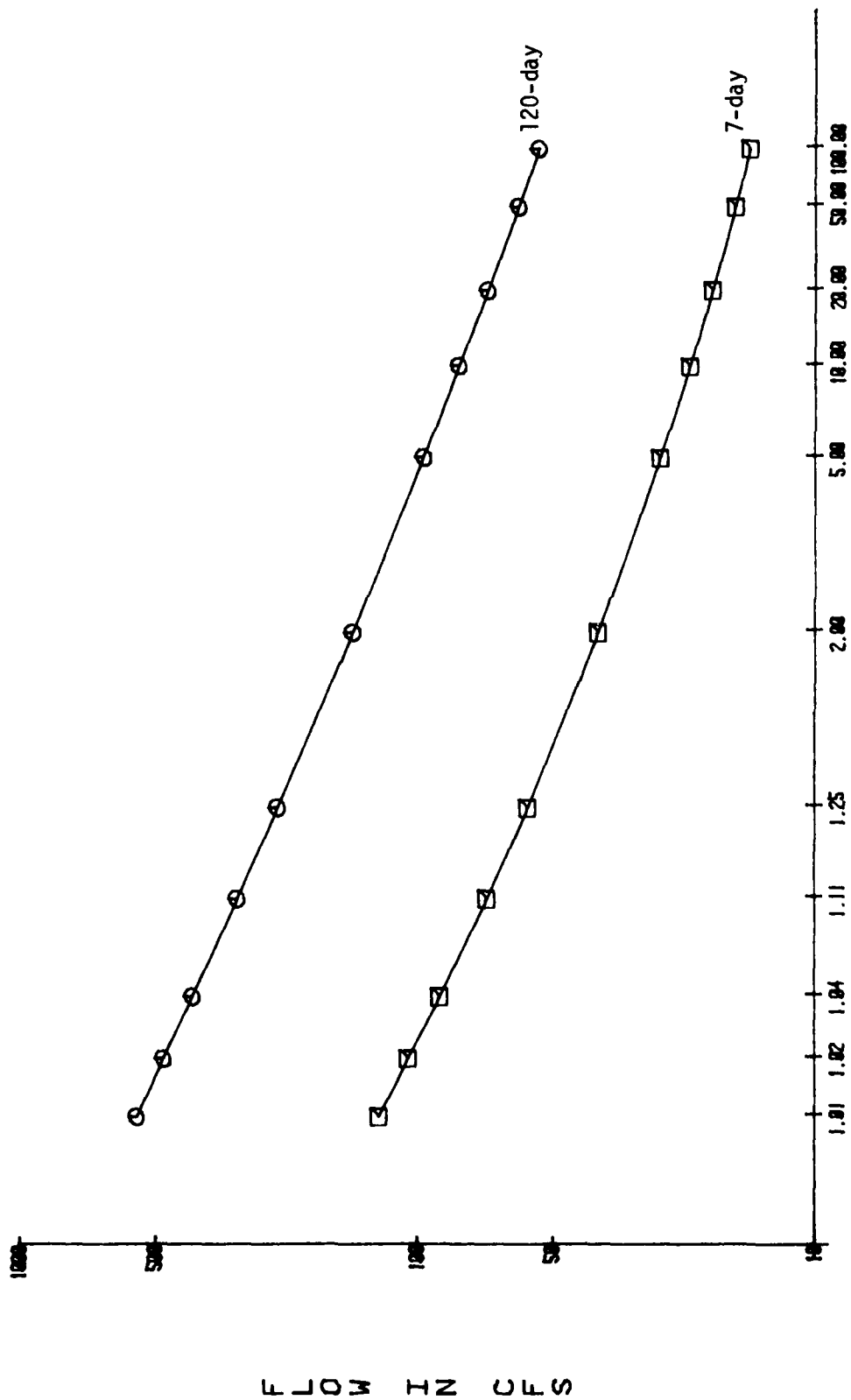


Figure E-50. Recurrence Interval in Years
Combination 17 Low Flow Frequency Curves For
01431500, Lackawaxen River at Hawley, PA.

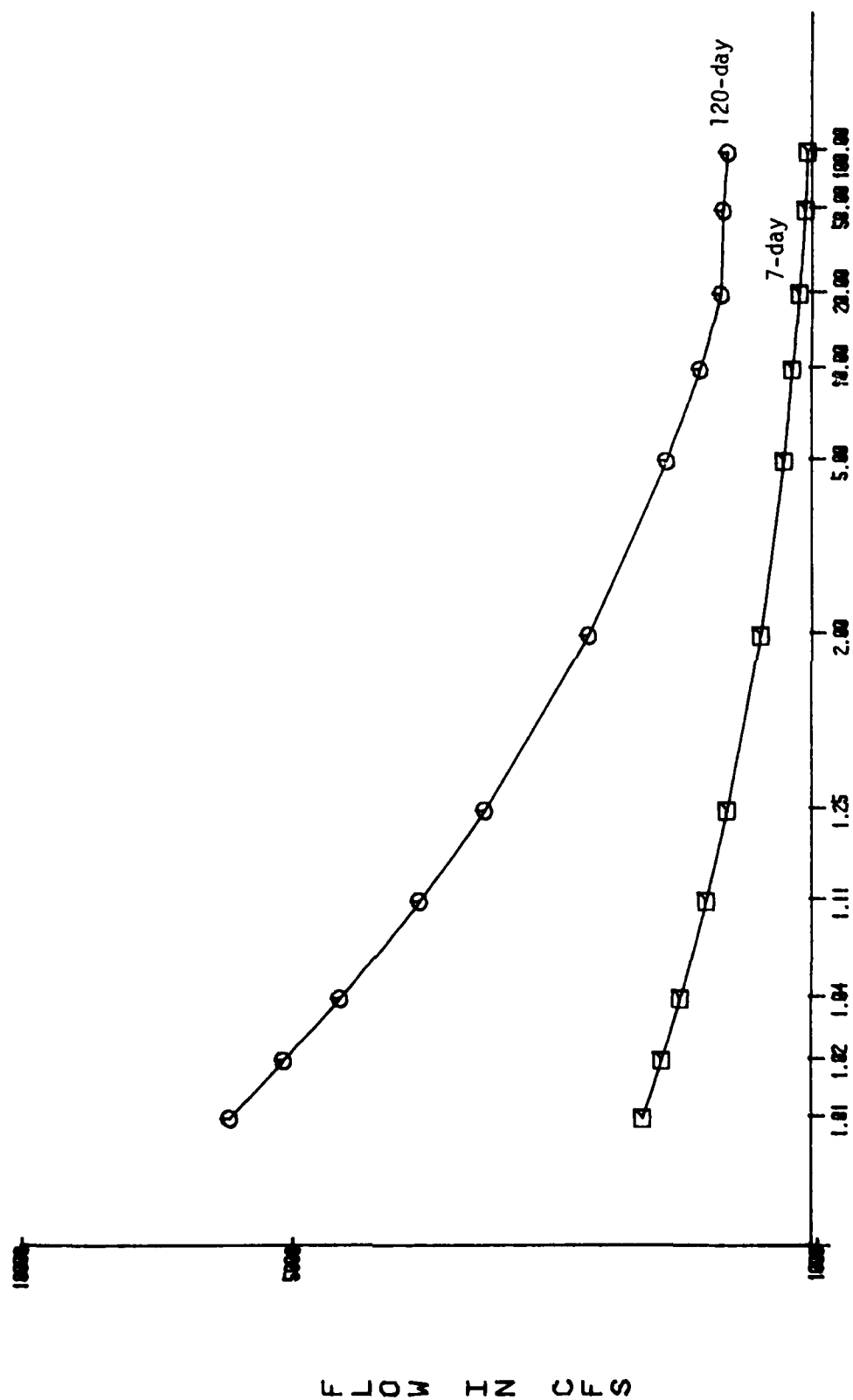


Figure E-51. Combination 17 Low Flow Frequency Curves For 01434000, Delaware River at Port Jervis, N.Y.

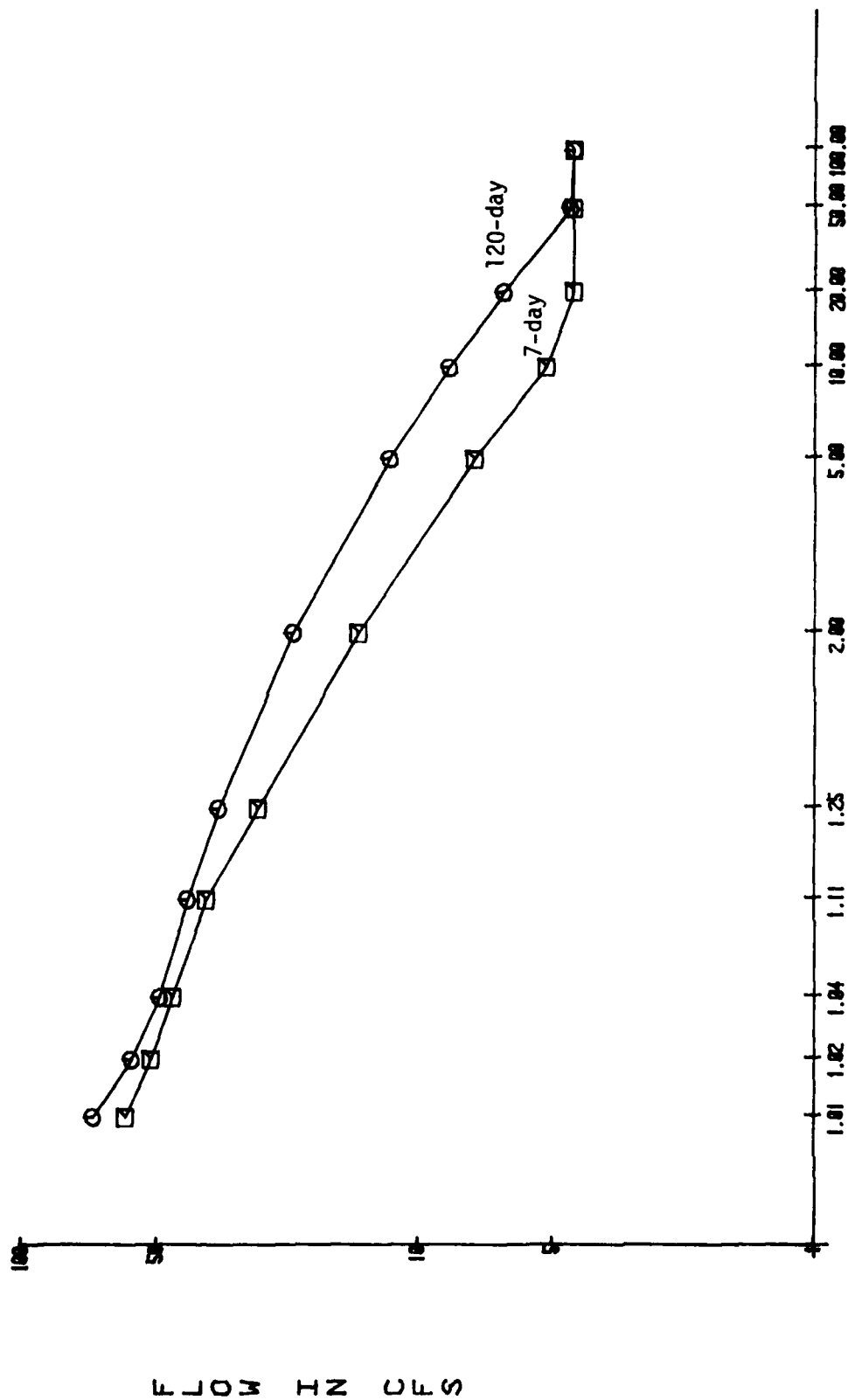


Figure E-52. RECURRENCE INTERVAL IN YEARS
Combination 17 Low Flow Frequency Curves For
01436000, Neversink River at Neversink, N.Y.

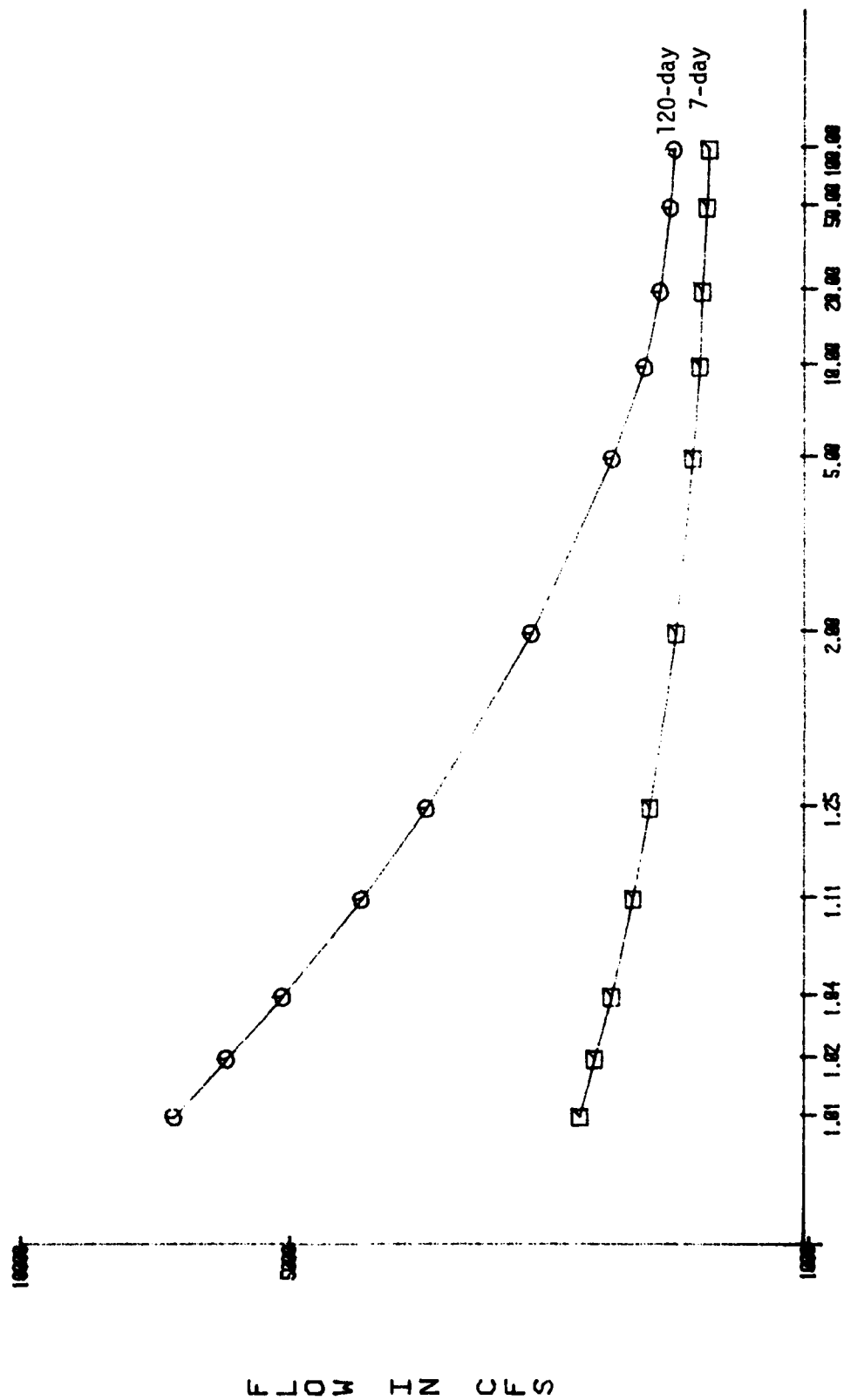
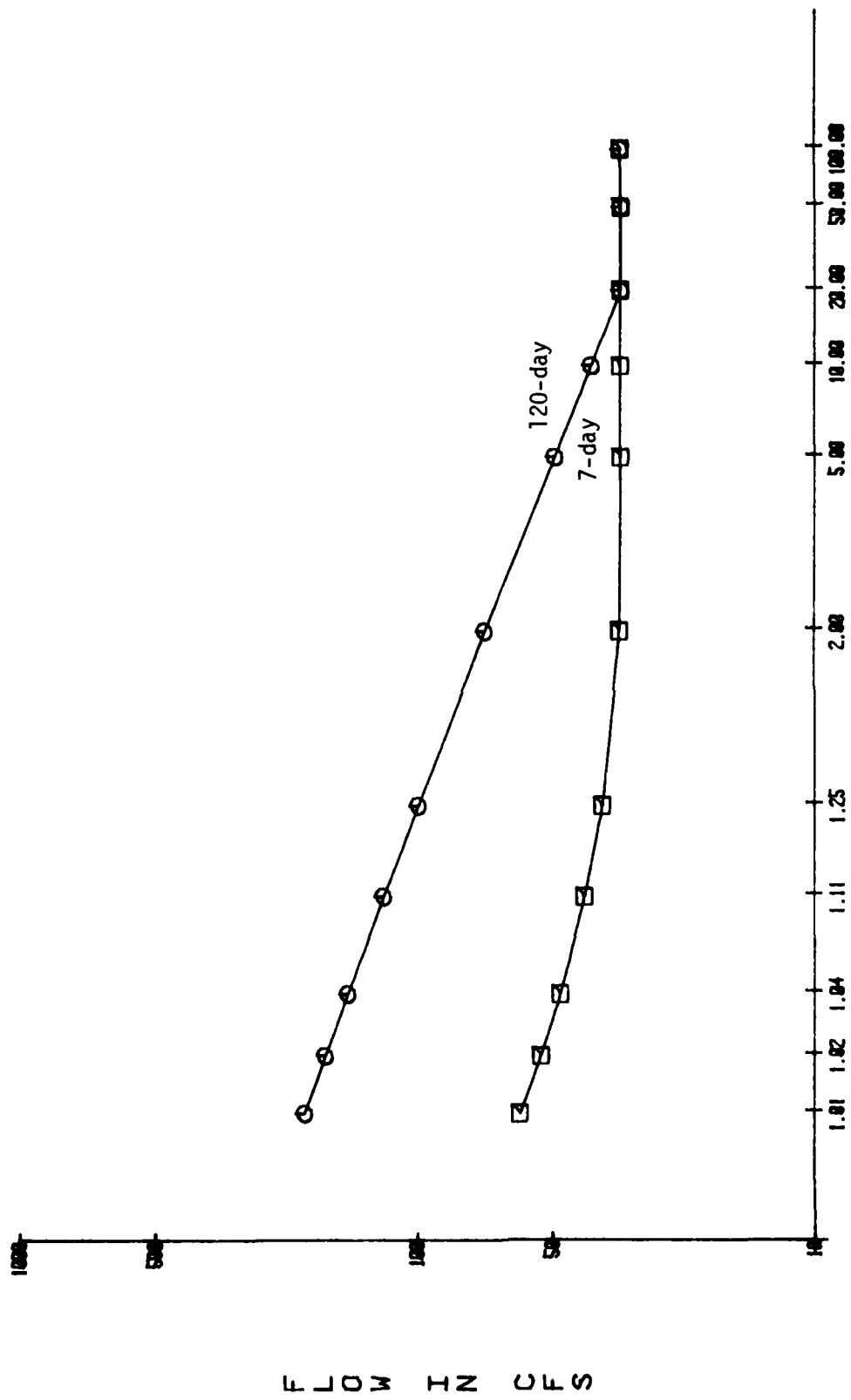


Figure E-53. RECURRENT INTERVAL IN YEARS
 Combination 17 Low Flow Frequency Curves For
 01438500, Delaware River at Montague, N.J.



RECURRENCE INTERVAL IN YEARS
 Figure E-54. Combination 17 Low Flow Frequency Curves For
 01449800, Pohopoco Creek at Beltzville Damsite, PA.

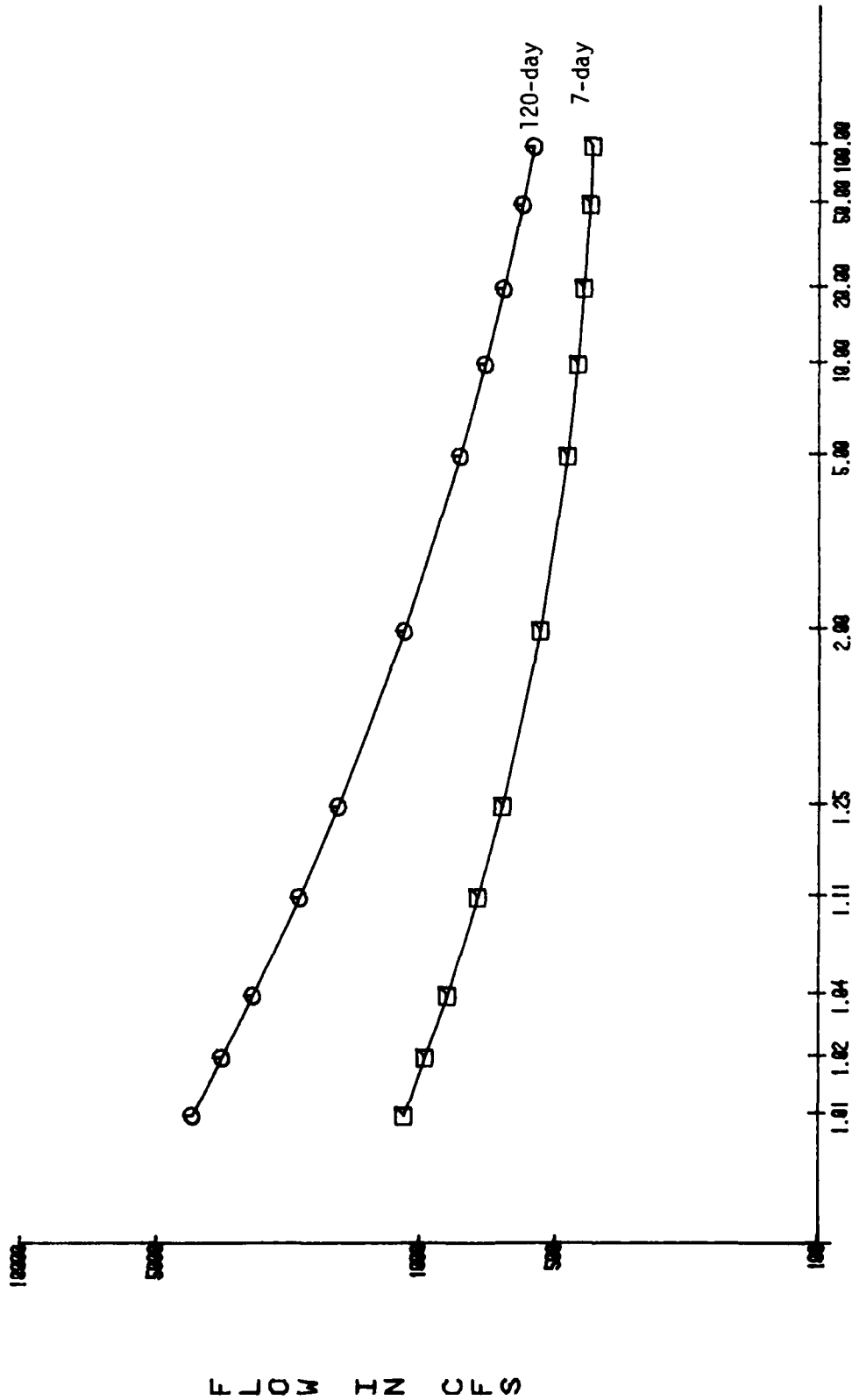


Figure E-55. RECURRENCE INTERVAL IN YEARS
Combination 17 Low Flow Frequency Curves For
01453000, Lehigh River at Bethlehem, PA.

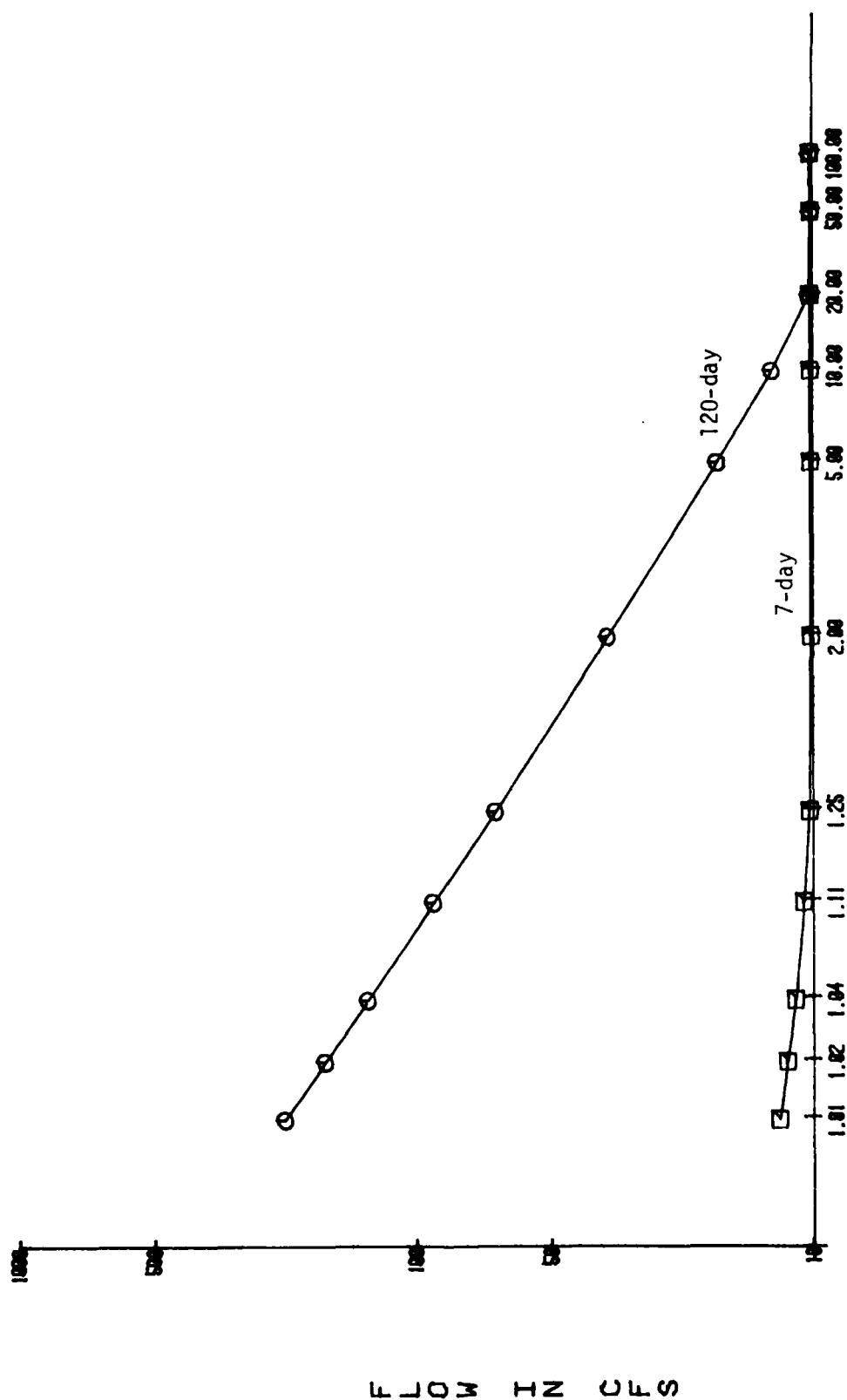


Figure E-56. Combination 17 Low Flow Frequency Curves For
01459500, Tohickon Creek at Pipersville, PA.

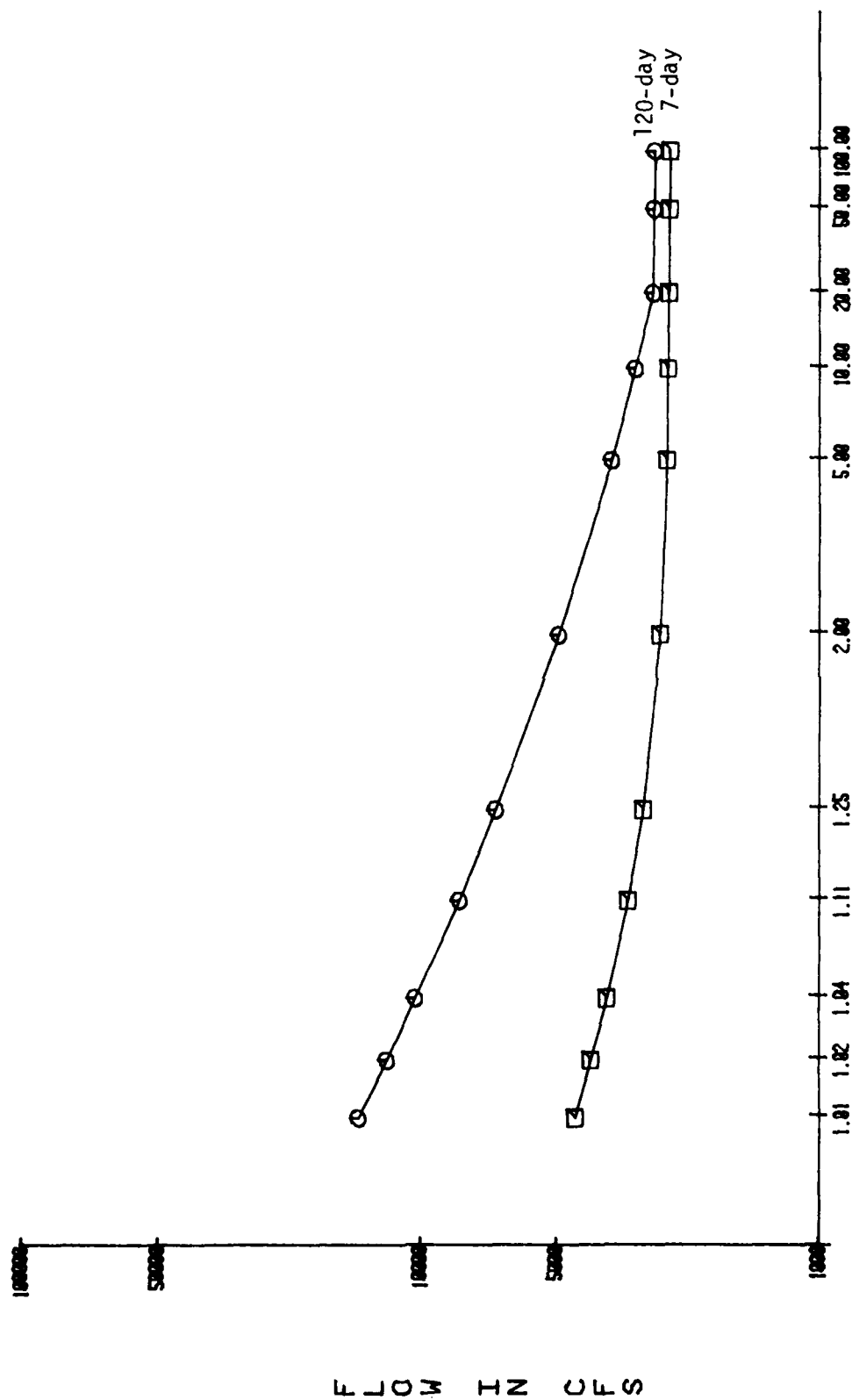
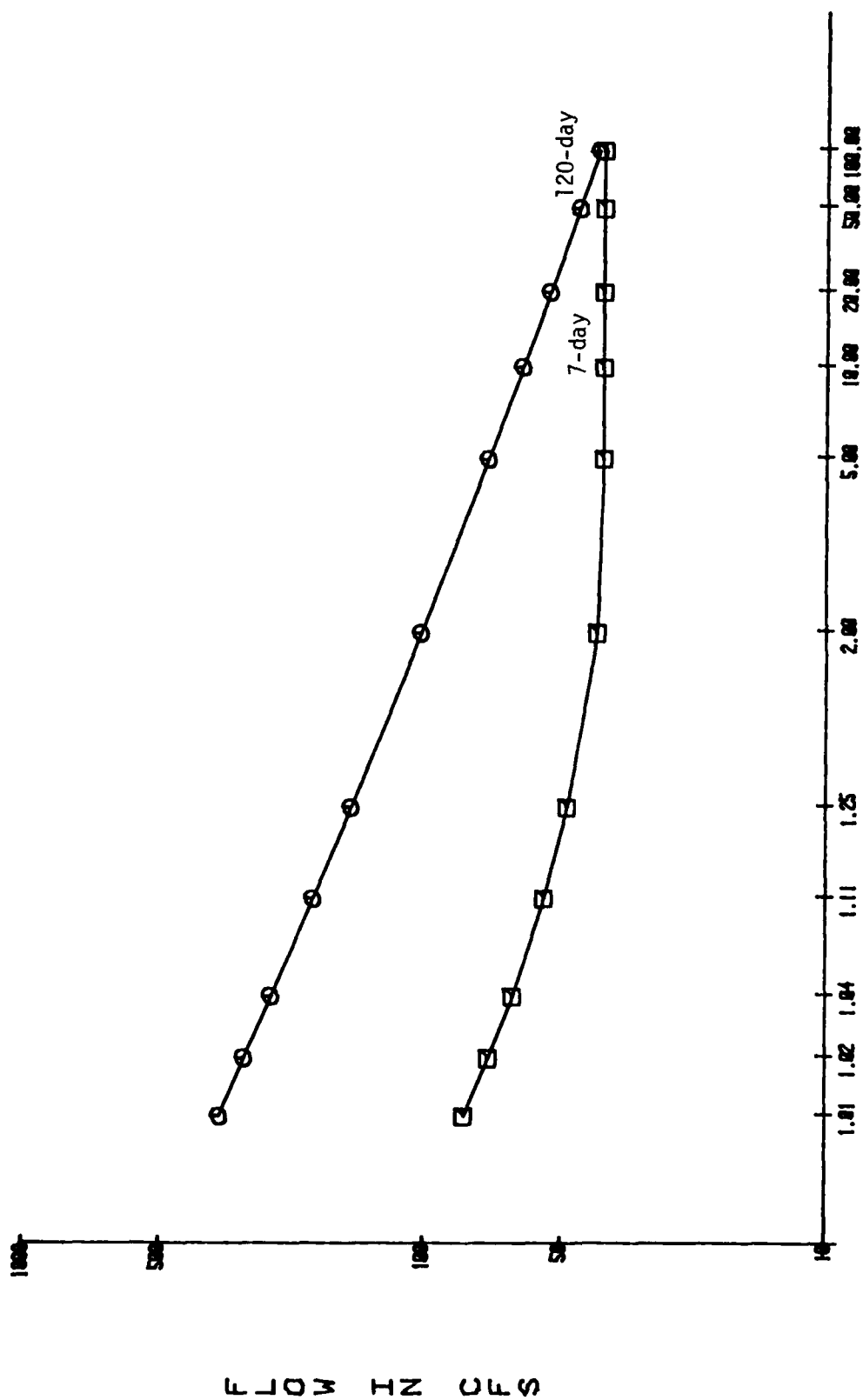
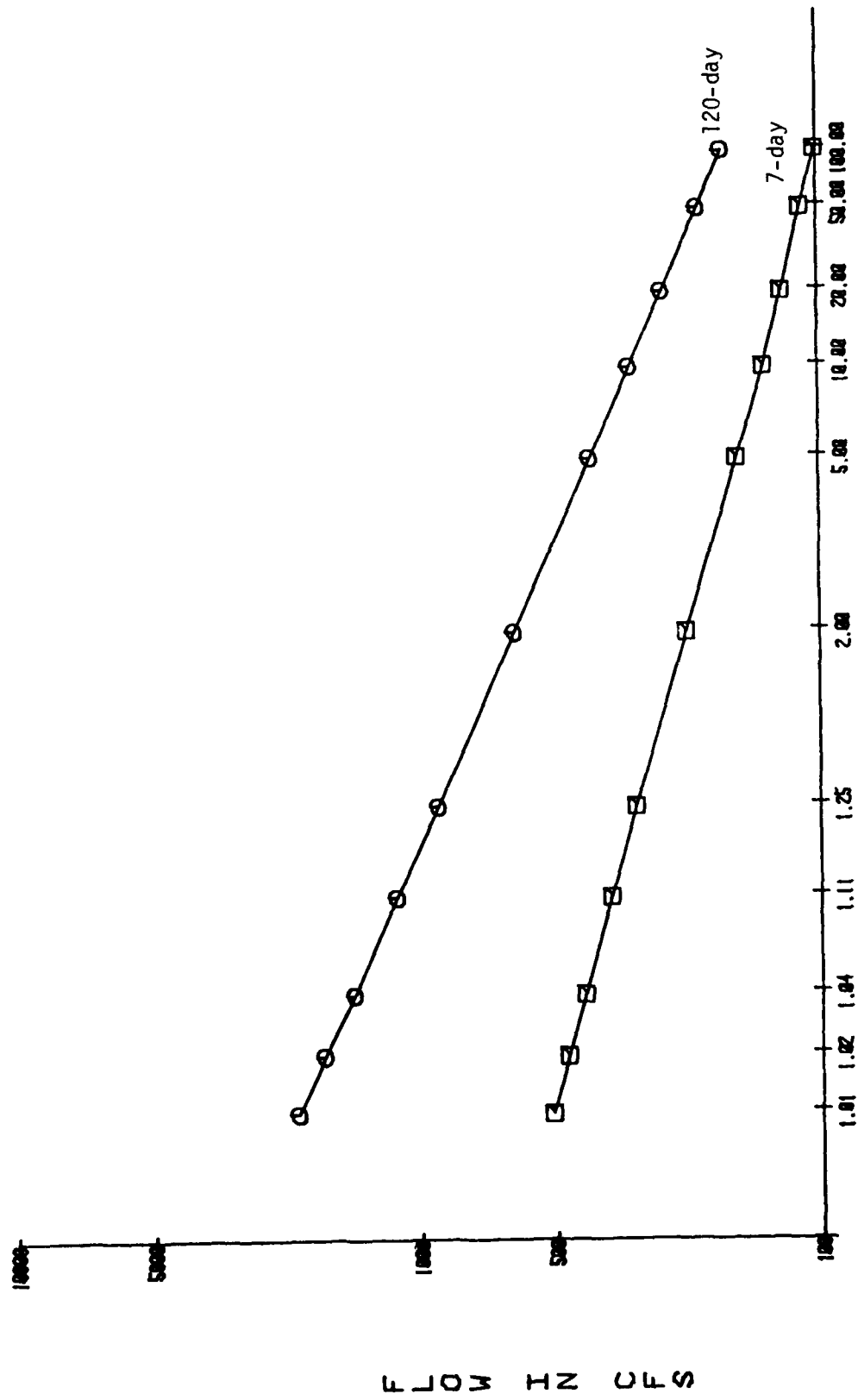


Figure E-57. RECURRENCE INTERVAL IN YEARS
Combination 17 Low Flow Frequency Curves For
01463500, Delaware River at Trenton, N.J.



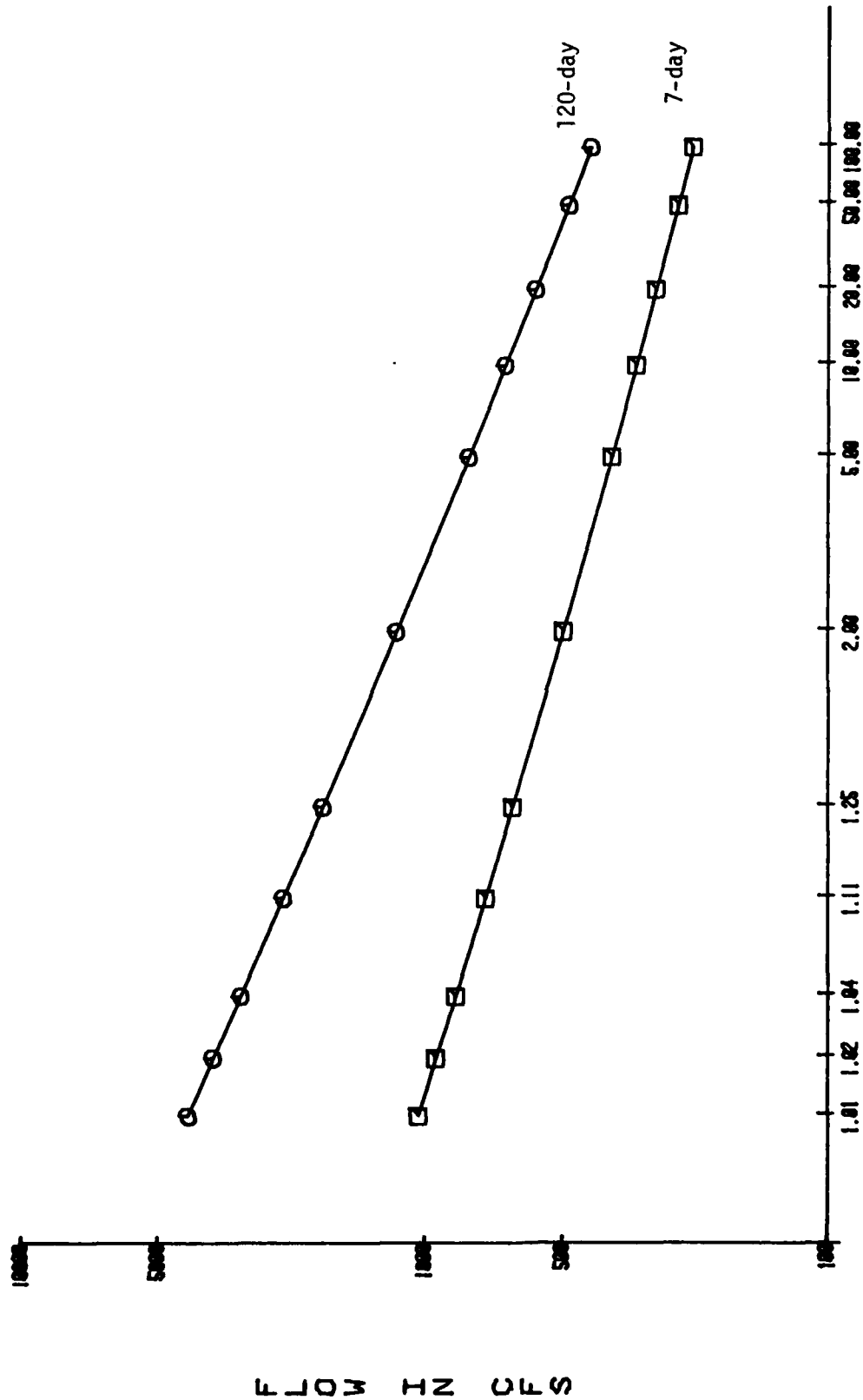
RECURRENCE INTERVAL IN YEARS

Figure E-58. Combination 17 Low Flow Frequency Curves For
01470960, Tulpehocken Creek at Blue Marsh Damsite, PA.



RECURRENT INTERVAL IN YEARS

Figure E-59. Combination 17 Low Flow Frequency Curves For 01471500, Schuylkill River at Reading, PA.



RECURRENCE INTERVAL IN YEARS

Figure E-60. Combination 17 Low Flow Frequency Curves For 01474500, Schuylkill River at Philadelphia, PA.

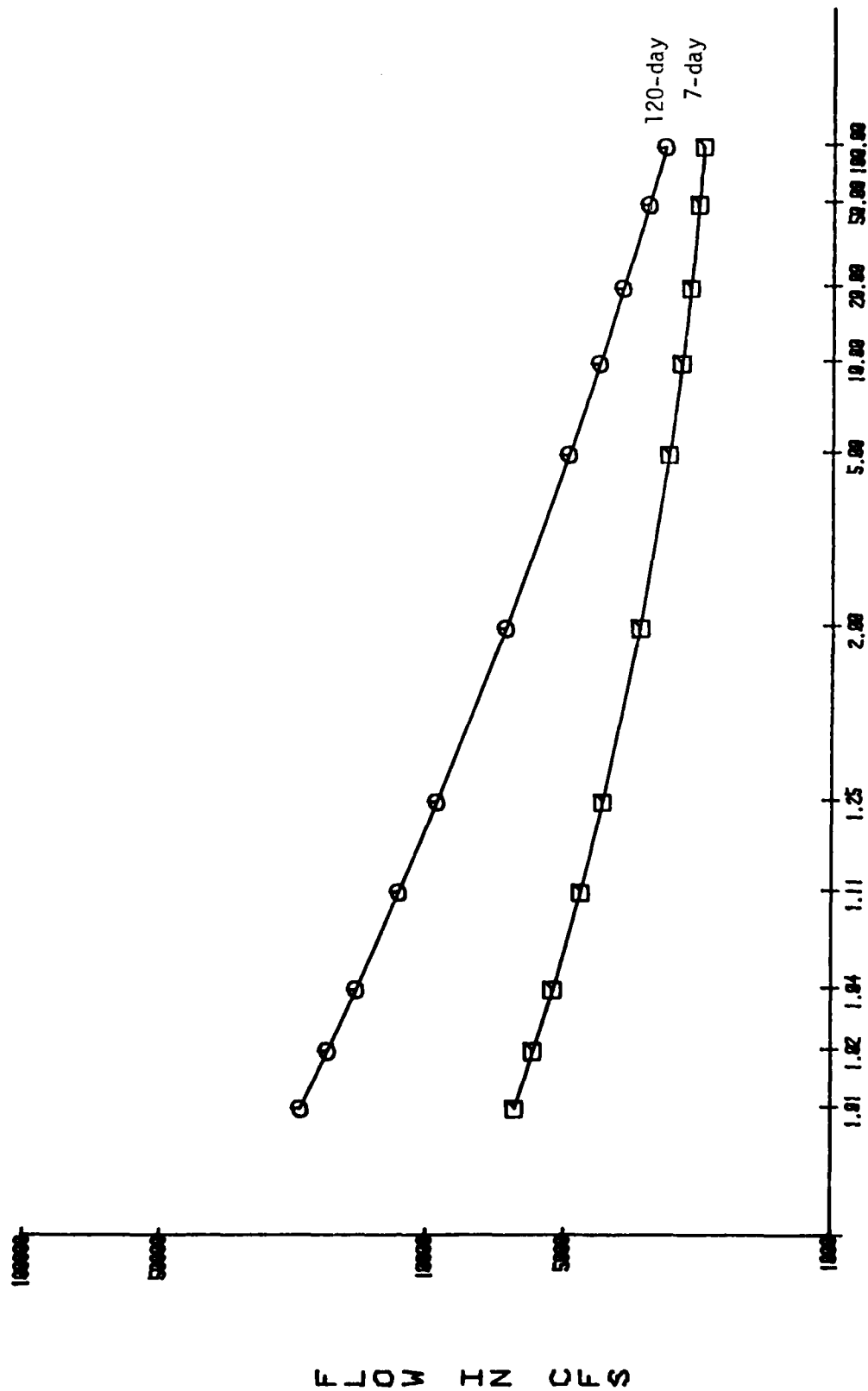


Figure E-61. Combination 17 Low Flow Frequency Curves For Delaware River Below Mouth of Schuylkill

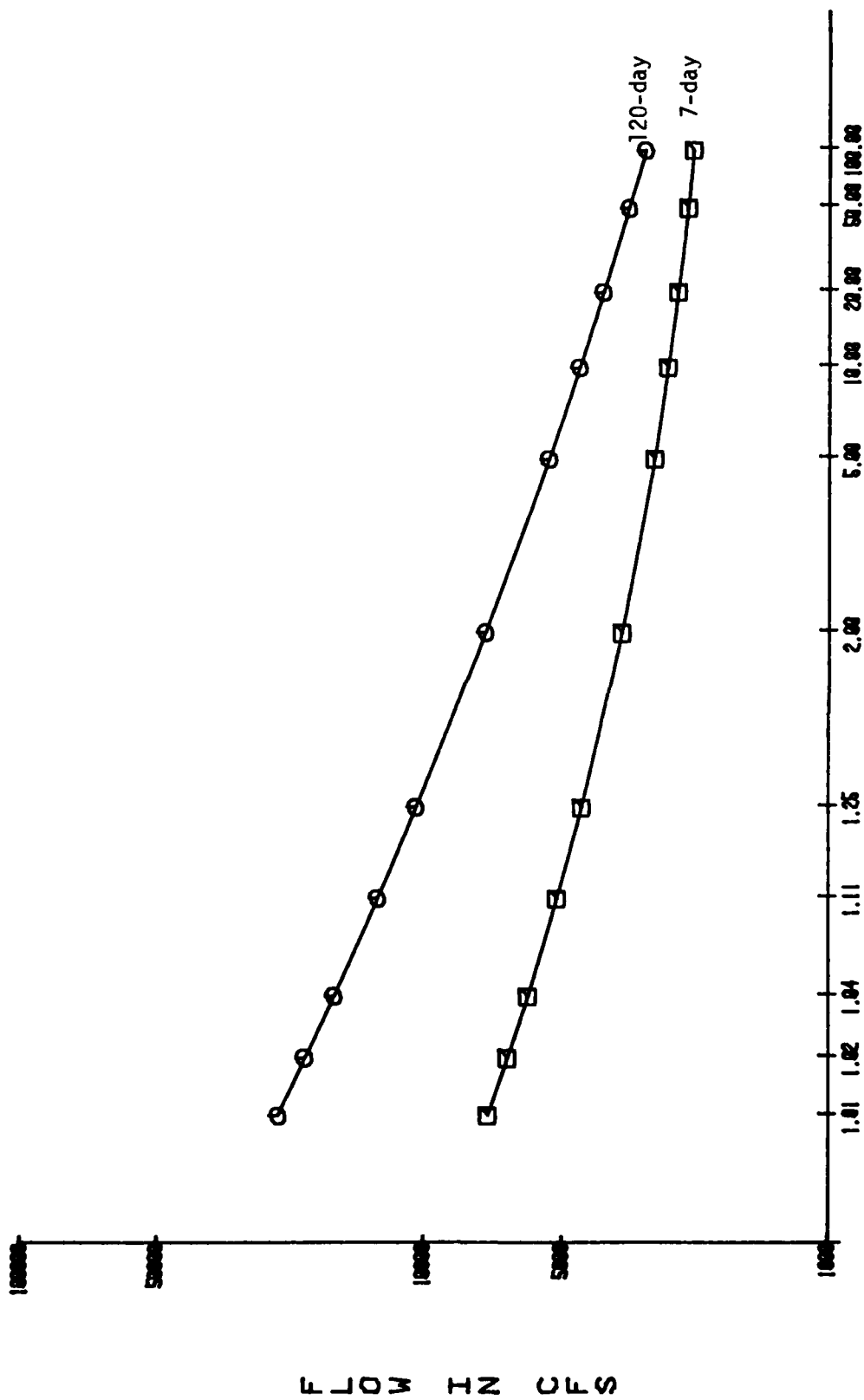


Figure E-62. Combination 17 Low Flow Frequency Curves For Delaware River at Delaware Memorial Bridge

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