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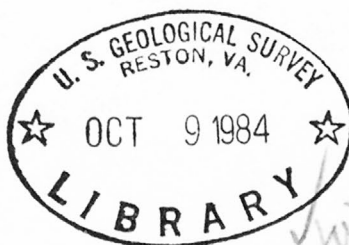
TECHNIQUES FOR ESTIMATING STREAMFLOW CHARACTERISTICS  
IN THE EASTERN AND INTERIOR COAL PROVINCES  
OF THE UNITED STATES



U.S. GEOLOGICAL SURVEY

Open-File Report 83-948

Open-file report  
(Geological Survey  
(U.S.))



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IN THE EASTERN AND INTERIOR COAL PROVINCES  
OF THE UNITED STATES

Kim L. Wetzel and J. M. Bettendorff

Dallas L. Peak, Director

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Harrisburg, Pennsylvania  
1984



UNITED STATES DEPARTMENT OF THE INTERIOR

WILLIAM P. CLARK, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

PLATES  
(In pocket)

FIGURES

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FACTORS FOR CONVERTING INCH-POUND UNITS TO  
INTERNATIONAL OF SYSTEM UNITS (SI)

<u>Multiply inch-pound units</u>	<u>By</u>	<u>To obtain SI</u>
inch (in)	25.40	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
square mile (mi <sup>2</sup> )	2.590	square kilometer (km <sup>2</sup> )
foot per mile (ft/mi)	0.1894	meter per kilometer (m/km)
cubic foot per second (ft <sup>3</sup> /s)	0.02832	cubic meter per second (m <sup>3</sup> /s)



# ABSTRACT

Techniques are presented for estimating various streamflow characteristics, such as, peak flows, mean monthly and annual flows, flow durations, and flow volumes, at ungaged sites on unregulated streams in the Eastern Coal region. Streamflow data and basin characteristics for 629 gaging stations were used to develop multiple-linear-regression equations. Separate equations were developed for the Eastern and Interior Coal Provinces.

Drainage area is an independent variable common to all equations. Other variables needed, depending on the streamflow characteristic, are mean annual precipitation, mean basin elevation, main channel length, basin storage, main channel slope, and forest cover.

A ratio of the observed 50- to 90-percent flow durations was used in the development of relations to estimate low-flow frequencies in the Eastern Coal Province. Relations to estimate low flows in the Interior Coal Province have not been presented because the standard errors were greater than 0.7500 log units and considered to be of poor reliability.



## INTRODUCTION

The environmental concerns associated with coal mining led to the enactment of the Surface Mining Control and Reclamation Act of 1977. In recognizing the potentially adverse effects that coal mining may have on water resources, this law requires (1) that each mining-permit applicant make an analysis of the potential effects of the proposed mine on the hydrology of the mine site and adjacent area, (2) that "an appropriate Federal or State agency" provide to each applicant hydrologic information on the general area prior to mining, and (3) that measures be taken by mining permittees to control any adverse effects of mining on the hydrologic balance and reclamation of the land. The available data on streamflow characteristics do not satisfy current demands by the coal-mining industry for information.

### Purpose and Scope

The purpose of this report is to provide techniques for estimating streamflow characteristics that can be used by surface-mine owners and operators in the preparation of permits, as well as by regulatory agencies in determining the adequacy of permit applications.

Multiple-linear-regression techniques were used to relate streamflow characteristics such as peak flows, mean monthly and annual flows, flow durations, flow volumes, and low-flow frequencies measured at 629 gaging stations to available drainage-basin characteristics. Regression equations were developed for the Eastern and Interior Coal Provinces of the United States.

### Location of Study Area

The Eastern Coal region is divided into several smaller coal provinces, two of which are the Interior and Eastern Coal Provinces (Trumball). Figure 1 shows the location of both provinces that cover parts of 11 states in the Eastern United States.

## DATA

The regression analyses in this report are based on streamflow data collected prior to October 1979 at 629 continuous-record gaging stations in the Eastern Coal region. Of these stations, 140 are in the Interior Coal Province (86 in Illinois, 31 in Indiana, and 23 in western Kentucky). The remaining 489 stations represent the Eastern Coal Province; these are distributed as follows: 87 in Pennsylvania, 74 in Ohio, 101 in West Virginia, 22 in Maryland, 60 in Virginia, 56 in eastern Kentucky, 43 in Tennessee, and 46 in Alabama. Gaging stations having at least 10 consecutive years of unregulated record were selected for the analyses. Locations of the gaging stations are listed in tables 1A and 1B and are shown, together with coal-province boundaries, in plate 1.

All data used in this evaluation were obtained from the WATSTORE Streamflow/Basin characteristics file, which is maintained by the U.S. Geological Survey.



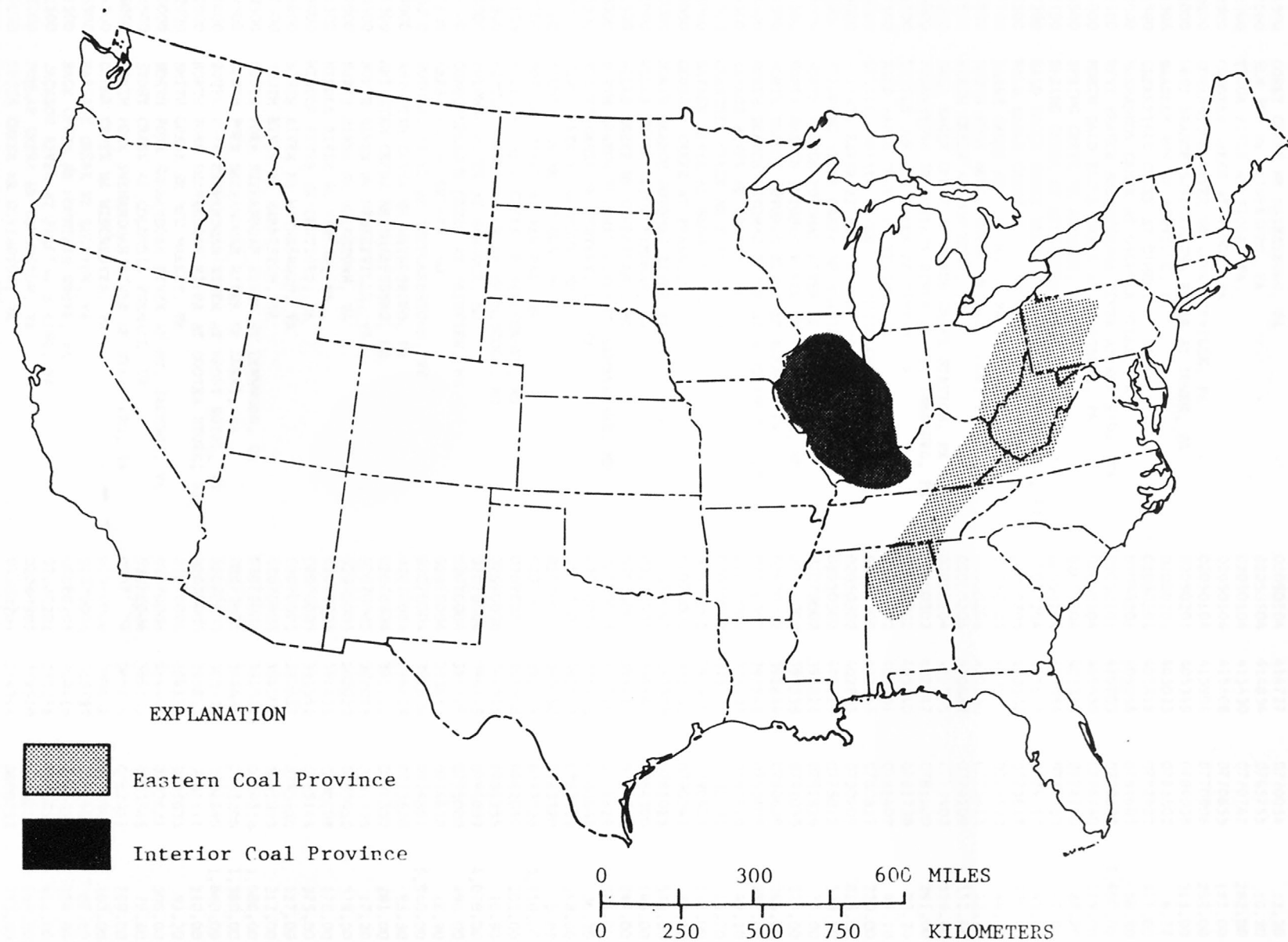


Figure 1.--Locations of the Eastern and Interior Coal Provinces.

Table 1A.—Basin Characteristics - Eastern Coal Province

Site Number	Station Number	Station Name	Hydrologic Unit Code	Latitude	Longitude	Drainage Area (Square miles)	Slope (Feet/mile)
1	01516500	COREY CREEK NR MAINESBURG, PA	02050104	414727	0770054	12.20	50.40
2	01517000	ELK RUN NR MAINESBURG, PA	02050104	414854	0765755	10.20	89.50
3	01518000	TIOGA RIVER AT TIOGA, PA	02050104	415430	0770747	282.00	44.00
4	01518500	CROOKED CREEK AT TIOGA, PA	02050104	415408	0770855	122.00	27.80
5	01520000	COWANESQUE RIVER NR LAWRENCEVILLE, PA	02050104	415904	0770906	298.00	20.10
6	01541000	WEST BRANCH SUSQUEHANNA RIVER AT BOWER, PA	02050201	405349	0784038	315.00	9.08
7	01541308	BRADLEY RUN NR ASHVILLE, PA	02050201	403033	0783502	6.77	166.00
8	01541500	CLEARFIELD CREEK AT DIMELING, PA	02050201	405818	0782422	371.00	8.56
9	01542000	MOSHANNON CREEK AT OSCEOLA MILLS, PA	02050201	405058	0781605	68.80	28.90
10	01542500	WEST BRANCH SUSQUEHANNA RIVER AT KARTHAUS, PA	02050201	410703	0780633	1,460.00	5.55
11	01546000	NORTH BALD EAGLE CREEK AT MILESBURG, PA	02050204	405630	0774740	119.00	18.60
12	01546500	SPRING CREEK NR AXEMANN, PA	02050204	405323	0774740	87.20	32.10
13	01547100	SPRING CREEK AT MILESBURG, PA	02050204	405554	0774713	142.00	23.80
14	01547200	BALD EAGLE CREEK BELOW SPRING CR AT MILESBURG, PA	02050204	405635	0774712	265.00	14.60
15	01547500	BALD EAGLE CREEK AT BLANCHARD, PA	02050205	410306	0773617	339.00	12.20
16	01547700	MARSH CREEK AT BLANCHARD, PA	02050204	410334	0773622	44.10	59.30
17	01547800	SOUTH FORK BEECH CREEK NR SNOW SHOE, PA	02050204	410130	0775415	12.20	74.10
18	01547950	BEECH CREEK AT MONUMENT, PA	02050204	410642	0774209	152.00	29.10
19	01548000	BALD EAGLE CREEK AT BEECH CREEK STATION, PA	02050204	410355	0773403	559.00	9.45
20	01556000	FRANKSTOWN BR JUNIATA RIVER AT WILLIAMSBURG, PA	02050302	402747	0781200	291.00	14.60
21	01556500	LITTLE JUNIATA RIVER AT TIPTON, PA	02050302	403740	0781738	93.70	16.20
22	01557500	BALD EAGLE CREEK AT TYRONE, PA	02050302	404101	0781402	44.10	41.90
23	01558000	LITTLE JUNIATA RIVER AT SPRUCE CREEK, PA	02050302	403645	0780827	220.00	14.90
24	01559000	JUNIATA RIVER AT HUNTINGDON, PA	02050302	402905	0780109	816.00	8.99
25	01559500	STANDING STONE CREEK NR HUNTINGDON, PA	02050302	403125	0775815	128.00	21.70
26	01595000	NORTH BRANCH POTOMAC RIVER AT STEYER, MD	02070002	391826	0791826	73.00	30.50
27	01595500	NORTH BRANCH POTOMAC RIVER AT KITZMILLER, MD	02070002	392338	0791055	225.00	48.70
28	01595800	NORTH BRANCH POTOMAC RIVER AT BARNUM, WV	02070002	392644	0790639	266.00	43.40
29	01596000	NORTH BRANCH POTOMAC RIVER AT BLOOMINGTON, MD	02070002	392848	0790408	287.00	47.60
30	01596500	SAVAGE RIVER NR BARTON, MD	02070002	393405	0790610	49.10	65.10
31	01597000	CRABTREE CREEK NR SWANTON, MD	02070002	393000	0790935	16.70	137.00
32	01598000	SAVAGE RIVER AT BLOOMINGTON, MD	02070002	392900	0790424	115.00	69.80
33	01599000	GEORGES CREEK AT FRANKLIN, MD	02070002	392938	0790242	72.40	62.70
34	01600000	NORTH BRANCH POTOMAC RIVER AT PINTO, MD	02070003	393359	0785025	596.00	36.30
35	01601000	WILLS CREEK BELOW HYNDMAN, PA	02070002	394843	0784300	146.00	70.00
36	01601500	WILLS CREEK NR CUMBERLAND, MD	02070002	394718	0784718	247.00	55.00
37	01603000	NORTH BRANCH POTOMAC RIVER NR CUMBERLAND, MD	02070003	393716	0784624	875.00	39.10
38	01603500	EVITTS CREEK NR CENTERVILLE, PA	02070002	394723	0783848	30.20	54.60
39	01609000	TOWN CREEK NR OLDTOWN, MD	02070003	393312	0783319	148.00	13.50
40	01609500	SAWPIT RUN NR OLDTOWN, MD	02070003	393250	0783320	5.08	61.20
41	01610000	POTOMAC RIVER AT PAW PAW, WV	02070003	393213	0782728	3,110.00	10.50
42	01610155	SIDELING HILL CREEK NR BELLEGROVE, MD	02070003	393858	0782040	102.00	17.50
43	01612500	LITTLE TONOLOWAY CREEK NR HANCOCK, MD	02070004	394245	0781355	16.90	93.60
44	01613000	POTOMAC RIVER AT HANCOCK, MD	02070004	394149	0781039	4,070.00	7.93
45	01614500	CONOCOCHIEAGUE CREEK AT FAIRVIEW, MD	02070004	394229	0775000	494.00	11.20
46	01617800	MARSH RUN AT GRIMES, MD	02070004	393053	0774638	18.90	23.80
47	01618000	POTOMAC RIVER AT SHEPHERDSTOWN, WV	02070004	392604	0774807	5,940.00	5.98
48	01619000	ANTIETAM CREEK NR WAYNESBORO, PA	02070004	394259	0773628	93.50	59.20
49	01619500	ANTIETAM CREEK NR SHARPSBURG, MD	02070004	392701	0774352	281.00	10.80
50	01620500	NORTH RIVER NR STOKESVILLE, VA	02070005	382015	0791425	17.20	148.00
51	01622000	NORTH RIVER NR BURKETOWN, VA	02070005	382025	0785450	379.00	43.20
52	01624300	MIDDLE RIVER NR VERONA, VA	02070005	381436	0790208	178.00	17.10
53	01625000	MIDDLE RIVER NR GROTTOS, VA	02070005	381542	0785144	375.00	10.20
54	01626000	SOUTH RIVER NR WAYNESBORO, VA	02070005	380327	0785430	127.00	15.30
55	01627500	SOUTH RIVER AT HARRISTON, VA	02070005	381307	0785013	212.00	10.60
56	01628500	SOUTH FORK SHENANDOAH RIVER NR LYNNWOOD, VA	02070005	381921	0784518	1,080.00	27.40
57	01629500	SOUTH FORK SHENANDOAH RIVER NR LURAY, VA	02070005	383846	0783206	1,380.00	12.90
58	01631000	SOUTH FORK SHENANDOAH RIVER AT FRONT ROYAL, VA	02070005	385450	0781240	1,640.00	7.73
59	01632000	NORTH FORK SHENANDOAH RIVER AT COOTES STORE, VA	02070006	383813	0785111	210.00	44.30
60	01632900	SMITH CREEK NR NEW MARKET, VA	02070006	384136	0783835	93.20	20.50
61	01633000	NORTH FORK SHENANDOAH RIVER AT MT. JACKSON, VA	02070006	384444	0783821	506.00	24.30
62	01633500	STONY CREEK AT COLUMBIA FURNACE, VA	02070006	385155	0783745	79.40	28.60
63	01634000	NORTH FORK SHENANDOAH RIVER NR STRASBURG, VA	02070006	385836	0782011	768.00	9.86
64	01634500	CEDAR CREEK NR WINCHESTER, VA	02070006	390452	0781947	103.00	33.00
65	01635500	PASSAGE CREEK NR BUCKTON, VA	02070006	385729	0781601	87.80	34.30
66	02011500	BACK CREEK NR MOUNTAIN GROVE, VA	02080201	380410	0795350	134.00	44.40
67	02012500	JACKSON RIVER AT FALLING SPRING, VA	02080201	375236	0795839	411.00	25.30
68	02013000	DUNLAP CREEK NR COVINGTON, VA	02080201	374810	0800250	164.00	40.50
69	02014000	POTTS CREEK NR COVINGTON, VA	02080201	374344	0800233	153.00	27.30
70	02016000	COWPASTURE RIVER NR CLIFTON FORGE, VA	02080201	374730	0794535	461.00	12.40



Table 1A.—Basin characteristics - Eastern Coal Province—(continued)

Site Number	Station Number	Station Name	Hydrologic Unit Code	Latitude	Longitude	Drainage Area (Square miles)	Slope (Feet/mile)
71	02016500	JAMES RIVER AT LICK RUN, VA	02080201	374625	0794705	1,370.00	15.30
72	02017500	JOHNS CREEK AT NEW CASTLE, VA	02080201	373022	0800625	104.00	22.20
73	02018000	CRAIG CREEK AT PARR, VA	02080201	373957	0795442	329.00	12.10
74	02018500	CATAWBA CREEK NR CATAWBA, VA	02080201	372805	0800020	34.30	37.80
75	02019000	CATAWBA CREEK NR FINCASTLE, VA	02080201	373300	0795005	104.00	29.80
76	02019500	JAMES RIVER AT BUCHANAN, VA	02080201	373150	0794045	2,080.00	11.50
77	02020500	CALFPASTURE RIVER ABOVE MILL CREEK AT GOSHEN, VA	02080202	375916	0792938	144.00	21.30
78	02021000	CALFPASTURE RIVER AT GOSHEN, VA	02080202	375910	0792938	190.00	21.30
79	02021500	MAURY RIVER AT ROCKBRIDGE BATHS, VA	02080202	375426	0792520	329.00	18.20
80	02022500	KERRS CREEK NR LEXINGTON, VA	02080202	374932	0792636	35.00	83.50
81	02023000	MAURY RIVER NR LEXINGTON, VA	02080202	374849	0792642	487.00	21.10
82	02023500	SOUTH RIVER NR RIVERSIDE, VA	02080202	374700	0792135	111.00	64.20
83	02024000	MAURY RIVER NR BUENA VISTA, VA	02080202	374545	0792330	646.00	19.40
84	02024500	MAURY RIVER NR GLASGOW, VA	02080202	373752	0792638	831.00	16.60
85	02444000	COAL FIRE CREEK NR PICKENSVILLE, AL	03160106	331751	0881556	131.00	5.50
86	02444500	TOMBIGBEE RIVER NR COCHRANE, AL	03160106	330456	0881416	5,990.00	1.20
87	02445000	LUBBUB CREEK NR CARROLLTON, AL	03160106	331500	0880500	116.00	5.40
88	02445500	SIPSEY RIVER AT FAYETTE, AL	03160107	334010	0874859	276.00	3.60
89	02446000	SIPSEY RIVER AT MORRES BRIDGE, AL	03160107	332654	0874550	403.00	3.70
90	02446500	SIPSEY RIVER NR ELROD, AL	03160107	331525	0874546	518.00	2.70
91	02447000	SIPSEY RIVER NR PLEASANT RIDGE, AL	03160107	330231	0882145	753.00	2.30
92	02448500	NOXUBEE RIVER NR GEIGER, AL	03160108	325506	0881745	1,140.00	2.70
93	02450000	MULBERRY FORK NR GARDEN CITY, AL	03160109	335942	0864456	368.00	6.20
94	02450200	DORSEY CREEK NR ARKADELPHIA, AL	03160109	335710	0870014	13.00	26.80
95	02450250	SIPSEY FORK NR GRAYSON, AL	03160110	341707	0872356	91.30	13.30
96	02450500	SIPSEY FORK NR FALLS CITY, AL	03160110	340307	0871601	365.00	6.50
97	02451000	CLEAR CREEK AT FALLS CITY, AL	03160110	340205	0871800	147.00	7.90
98	02453000	BLACKWATER CREEK NR MANCHESTER, AL	03160109	335430	0871525	188.00	6.70
99	02453500	MULBERRY FORK AT CORDOVA, AL	03160109	334527	0871013	1,930.00	6.70
100	02454000	LOST CREEK NR OAKMAN, AL	03160109	334550	0872130	130.00	5.40
101	02454200	WOLF CREEK NR OAKMAN, AL	03160109	334020	0872315	89.10	8.50
102	02455000	LOCUST FORK NR CLEVELAND, AL	03160111	340200	0863400	309.00	6.40
103	02455500	LOCUST FORK AT TRAFFORD, AL	03160111	334949	0864521	625.00	7.70
104	02456000	TURKEY CREEK AT MORRIS, AL	03160111	334425	0864845	81.50	24.70
105	02456500	LOCUST FORK AT SAYRE, AL	03160111	334235	0865900	887.00	5.70
106	02460500	VILLAGE CREEK NR ADAMSVILLE, AL	03160111	333620	0870025	84.10	11.40
107	02462600	BLUE CREEK NR OAKMAN, AL	03160112	333117	0872907	5.70	65.00
108	02462800	DAVIS CREEK BELOW ABERNANT, AL	03160112	331830	0871310	45.20	14.80
109	02463500	HURRICANE CREEK NR HOLT, AL	03160112	331345	0872655	108.00	10.60
110	02464000	NORTH RIVER NR SAMANTHA, AL	03160112	332845	0873550	219.00	5.20
111	02464500	NORTH RIVER NR TUSCALOOSA, AL	03160112	332110	0873325	366.00	4.30
112	02465500	FIVEMILE CREEK NR GREENSBORO, AL	03160113	324957	0873624	72.20	9.50
113	02466500	PRAIRIE CREEK NR GALLION, AL	03160113	323230	0874045	169.00	10.30
114	02467500	SUCARNOOCHEE RIVER AT LIVINGSTON, AL	03160202	323425	0881136	606.00	6.50
115	03008000	NEWELL CREEK NR PORT ALLEGANY, PA	05010001	415340	0782057	7.79	87.60
116	03010500	ALLEGHENY RIVER AT ELDRED, PA	05010001	415748	0782311	550.00	11.20
117	03011800	KINZUA CREEK NR GUFFEY, PA	05010001	414559	0784308	46.40	35.40
118	03015000	CONEWANGO CREEK AT RUSSELL, PA	05010002	415617	0790800	816.00	2.10
119	03015280	JACKSON RUN NR NORTH WARREN, PA	05010002	415410	0791418	12.80	36.10
120	03015500	BROKENSTRAW CREEK AT YOUNGSVILLE, PA	05010001	415109	0791903	321.00	7.15
121	03016000	ALLEGHENY RIVER AT WEST HICKORY, PA	05010003	413415	0792429	3,660.00	3.12
122	03017500	TIONESTA CREEK AT LYNCH, PA	05010003	413607	0790301	233.00	9.67
123	03019000	TIONESTA CREEK AT NEBRASKA, PA	05010003	412825	0792305	469.00	7.12
124	03020500	OIL CREEK AT ROUSEVILLE, PA	05010003	412854	0794144	300.00	8.45
125	03021500	FRENCH CREEK AT CARTERS CORNERS, PA	05010004	415723	0795238	208.00	11.20
126	03021700	LITTLE CONNEAUTTEE CREEK NR MCKEAN, PA	05010004	415553	0800502	3.60	39.30
127	03022500	FRENCH CREEK AT SAEGERTOWN, PA	05010004	414250	0800850	629.00	6.37
128	03023000	CUSSEWAGO CREEK NR MEADVILLE, PA	05010004	414020	0801255	90.20	7.13
129	03023500	FRENCH CREEK AT CARLTON, PA	05010004	412815	0800105	998.00	5.49
130	03024000	FRENCH CREEK AT UTICA, PA	05010004	412615	0795722	1,030.00	5.26
131	03025000	SUGAR CREEK AT SUGARCREEK, PA	05010004	412543	0795248	166.00	19.00
132	03025200	PATCHEL RUN NR FRANKLIN, PA	05010004	412520	0795059	5.70	163.50
133	03026500	SEVENMILE RUN NR RASSELAS, PA	05010005	413752	0783437	7.80	81.50
134	03028000	WEST BRANCH CLARION RIVER AT WILCOX, PA	05010005	413431	0784133	63.00	41.70
135	03029000	CLARION RIVER AT RIDGWAY, PA	05010005	412515	0784410	303.00	20.60
136	03029400	TOMS RUN AT COOKSBURG, PA	05010005	412016	0791250	12.60	63.60
137	03029500	CLARION RIVER AT COOKSBURG, PA	05010005	411950	0791233	807.00	7.05
138	03031950	BIG RUN NR SPRANKLE MILLS, PA	05010006	405930	0790526	7.38	44.50
139	03032500	REDBANK CREEK AT ST. CHARLES, PA	05010006	405940	0792340	528.00	5.53
140	03034000	MAHONING CREEK AT PUNXSUTAWNEY, PA	05010006	405621	0790031	158.00	9.51

Table 1A.--Basin characteristics - Eastern Coal Province--(continued)

Site Number	Station Number	Station Name	Hydrologic Unit Code	Latitude	Longitude	Drainage Area (Square miles)	Slope (Feet/ mile)
141	03034500	LITTLE MAHONING CREEK AT MCCORMICK, PA	05010006	405010	0790637	87.40	16.80
142	03035000	MAHONING CREEK NR DAYTON, PA	05010006	405405	0791335	321.00	6.92
143	03038000	CROOKED CREEK AT IDAHO, PA	05010006	403917	0792056	191.00	9.08
144	03039200	CLEAR RUN NR BUCKSTOWN, PA	05010007	400249	0785000	3.68	183.60
145	03040000	STONY CREEK AT FERNDALE, PA	05010007	401737	0785508	451.00	30.70
146	03041000	LITTLE CONEMAUGH RIVER AT EAST CONEMAUGH, PA	05010007	402037	0785307	183.00	28.80
147	03042000	BLACKLICK CREEK AT JOSEPHINE, PA	05010007	402824	0791101	192.00	21.00
148	03042200	LITTLE YELLOW CREEK NR STRONGSTOWN, PA	05010007	403345	0785644	7.40	49.70
149	03043000	BLACKLICK CREEK AT BLACKLICK, PA	05010007	402825	0791215	390.00	21.70
150	03045000	LOYALHANNA CREEK AT KINGSTON, PA	05010008	401733	0792027	172.00	23.00
151	03045500	LOYALHANNA CREEK AT NEW ALEXANDRIA, PA	05010008	402340	0792555	265.00	11.80
152	03049000	BUFFALO CREEK NR FREEPORT, PA	05010009	404257	0794159	137.00	11.50
153	03049800	LITTLE PINE CREEK NR ETNA, PA	05010009	403113	0795618	5.80	76.40
154	03050000	TYGART VALLEY RIVER NR DAILEY, WV	05020001	384835	0795255	187.00	24.50
155	03050500	TYGART VALLEY RIVER NR ELKINS, WV	05020001	385530	0795245	272.00	13.80
156	03051500	MIDDLE FORK RIVER AT MIDVALE, WV	05020001	385620	0800525	122.00	43.00
157	03052000	MIDDLE FORK RIVER AT AUDRA, WV	05020001	390225	0800410	149.00	25.70
158	03052500	SAND RUN NR BUCKHANNON, WV	05020001	385750	0800910	14.50	54.00
159	03053500	BUCKHANNON RIVER AT HALL, WV	05020001	390305	0800650	277.00	22.50
160	03054500	TYGART VALLEY RIVER AT PHILIPPI, WV	05020001	390900	0800225	916.00	11.20
161	03056500	TYGART VALLEY RIVER AT FETTERMAN, WV	05020001	392100	0800230	1,340.00	12.00
162	03057500	SKIN CREEK NR BROWNSVILLE, WV	05020002	385830	0802640	25.70	19.70
163	03058000	WEST FORK RIVER AT BROWNSVILLE, WV	05020002	390010	0802835	102.00	13.20
164	03058500	WEST FORK RIVER AT BUTCHERVILLE, WV	05020002	390525	0802805	181.00	5.40
165	03059000	WEST FORK RIVER AT CLARKSBURG, WV	05020002	391615	0802120	384.00	3.60
166	03059500	ELK CREEK AT QUIET DELL, WV	05020002	391340	0801750	84.60	8.90
167	03061000	WEST FORK RIVER AT ENTERPRISE, WV	05020002	392520	0801640	759.00	2.50
168	03061500	BUFFALO CREEK AT BARRACKVILLE, WV	05020003	393015	0801020	115.00	7.40
169	03062400	COBUN CREEK AT MORGANTOWN, WV	05020003	393630	0795720	10.90	132.00
170	03062500	DECKERS CREEK AT MORGANTOWN, WV	05020003	393745	0795710	63.20	46.00
171	03063600	HORSECAMP RUN AT HARMAN, WV	05020004	385451	0793032	6.57	251.80
172	03065000	DRY FORK AT HENDRICKS, WV	05020004	390420	0793720	345.00	41.80
173	03066000	BLACKWATER RIVER AT DAVIS, WV	05020004	390735	0792810	86.20	8.10
174	03069000	SHIVERS FORK AT PARSONS, WV	05020004	390545	0794040	214.00	29.50
175	03069500	CHEAT RIVER NR PARSONS, WV	05020004	390720	0794050	718.00	29.30
176	03069880	BUFFALO CREEK NR ROWLESBURG, WV	05020004	391719	0794216	12.20	105.00
177	03070000	CHEAT RIVER AT ROWLESBURG, WV	05020004	392050	0794000	972.00	24.00
178	03070500	BIG SANDY CREEK AT ROCKVILLE, WV	05020004	393715	0794220	200.00	10.40
179	03071000	CHEAT RIVER NR PISGAH, WV	05020004	393625	0794640	1,350.00	21.50
180	03071500	CHEAT RIVER NR MORGANTOWN, WV	05020004	394000	0795145	1,380.00	21.40
181	03072000	DUNKARD CREEK AT SHANNOPIN, PA	05020005	394538	0795824	229.00	3.94
182	03072590	GEORGES CREEK AT SMITHFIELD, PA	05020005	394744	0794747	16.30	135.00
183	03073000	SOUTH FORK TENMILE CREEK AT JEFFERSON, PA	05020005	395523	0800422	180.00	7.13
184	03074500	REDSTONE CREEK AT WALTERSBURG, PA	05020005	395848	0794552	73.70	41.30
185	03075500	YOUGHIOGHENY RIVER NR OAKLAND, MD	05020006	392519	0792532	134.00	6.09
186	03076600	BEAR CREEK AT FRIENDSVILLE, MD	05020006	393922	0792341	48.90	65.60
187	03078000	CASSELLMAN RIVER AT GRANTSVILLE, MD	05020006	394208	0790812	62.50	32.40
188	03078500	BIG PINEY RUN NR SALISBURY, PA	05020006	394334	0790255	24.50	39.30
189	03079000	CASSELLMAN RIVER AT MARKLETON, PA	05020006	395135	0791340	382.00	14.70
190	03080000	LAUREL HILL CREEK AT URSINA, PA	05020006	394913	0791918	121.00	24.80
191	03082200	POPLAR RUN NR NORMALVILLE, PA	05020006	400059	0792533	9.30	132.30
192	03083000	GREEN LICK RUN AT GREEN LICK RESERVOIR, PA	05020006	400618	0793001	3.07	298.80
193	03084000	ABERS CREEK NR MURRYSVILLE, PA	05020005	402701	0794250	4.40	73.80
194	03084500	TURTLE CREEK AT TRAFFORD, PA	05020005	402309	0794555	55.90	21.00
195	03085500	CHARTIERS CREEK AT CARNEGIE, PA	05030101	402400	0800555	257.00	7.35
196	03086100	BIG SEWICKLEY CREEK NR AMBRIDGE, PA	05030101	403627	0800949	15.60	48.30
197	03086500	MAHONING RIVER AT ALLIANCE, OH	05030103	405558	0810541	89.20	10.40
198	03088000	DEER CREEK AT LIMAVILLE, OH	05030103	405845	0810935	31.90	6.79
199	03089500	MILL CREEK NR BERLIN CENTER, OH	05030103	410001	0805807	19.10	11.10
200	03090500	MAHONING RIVER BL BERLIN DAM NR BERLIN CENTER, OH	05030103	410254	0810005	248.00	28.20
201	03092000	KALE CREEK NR PRICETOWN, OH	05030103	410823	0805943	21.90	11.40
202	03092090	WEST BRANCH MAHONING RIVER NR RAVENNA, OH	05030103	410941	0811150	21.80	19.00
203	03092500	WEST BRANCH MAHONING RIVER NR NEWTON FALLS, OH	05030103	411018	0810116	96.30	11.70
204	03093000	EAGLE CREEK AT PHALANX STATION, OH	05030103	411540	0805716	97.60	10.70
205	03096000	MOSQUITO CREEK AT NILES, OH	05030103	411102	0804539	139.00	5.15
206	03098500	MILL CREEK AT YOUNGSTOWN, OH	05030103	410419	0804126	66.30	7.71
207	03102950	PYMATUNING CREEK AT KINSMAN, OH	05030102	412634	0803518	96.70	4.00
208	03103000	PYMATUNING CREEK NR ORANGEVILLE, PA	05030102	411840	0802840	169.00	2.40
209	03104000	SHENANGO RIVER AT SHARON, PA	05030102	411355	0803035	608.00	2.76
210	03104760	HARTHEGIG RUN NR GREENFIELD, PA	05030102	411110	0801938	2.26	63.80



Table 1A.—Basin characteristics - Eastern Coal Province--(continued)

Site Number	Station Number	Station Name	Hydrologic Unit Code	Latitude	Longitude	Drainage Area (Square miles)	Slope (Feet/ mile)
211	03106000	CONNOQUENESSING CREEK NR ZELIENOPLE, PA	05030105	404901	0801433	356.00	4.50
212	03106300	MUDDY CREEK NR PORTERSVILLE, PA	05030105	405747	0800741	51.20	4.41
213	03106500	SLIPPERY ROCK CREEK AT WURTEMBURG, PA	05030105	405302	0801402	398.00	8.08
214	03108000	RACCOON CREEK AT MOFFATTS MILL, PA	05030101	403740	0802016	178.00	8.36
215	03109000	LISBON CREEK AT LISBON, OH	05030101	404655	0804553	6.19	55.60
216	03109500	LITTLE BEAVER CREEK NR EAST LIVERPOOL, OH	05030101	404033	0803227	496.00	8.29
217	03110000	YELLOW CREEK NR HAMMONDSVILLE, OH	05030101	403216	0804331	147.00	9.81
218	03111150	BRUSH RUN NR BUFFALO, PA	05030106	401154	0802428	10.30	34.40
219	03111500	SHORT CREEK NR DILLONVALE, OH	05030106	401136	0804404	123.00	14.40
220	03112000	WHEELING CREEK AT ELM GROVE, WV	05030106	400240	0803940	282.00	11.10
221	03113700	LITTLE GRAVE CREEK NR GLENDALE, WV	05030106	395750	0804204	4.97	140.00
222	03114000	CAPTINA CREEK AT ARMSTRONGS MILLS, OH	05030106	395431	0805527	134.00	16.00
223	03114500	MIDDLE ISLAND CREEK AT LITTLE, WV	05030201	392830	0805950	458.00	3.90
224	03114650	BUFFALO RUN NR LITTLE, WV	05020003	392913	0800027	4.27	62.70
225	03115400	LITTLE MUSKINGUM RIVER AT BLOOMFIELD, OH	05030201	393347	0811214	210.00	7.00
226	03116000	TUSCARAWAS RIVER AT CLINTON, OH	05040001	405540	0813758	165.00	6.21
227	03116200	CHIPPEWA CREEK AT EASTON, OH	05040001	405647	0814435	146.00	5.00
228	03117000	TUSCARAWAS RIVER AT MASSILLON, OH	05040001	404613	0813127	526.00	5.35
229	03117500	SANDY CREEK AT WAYNESBURG, OH	05040001	404021	0811536	253.00	7.61
230	03118000	MIDDLE BRANCH NIMISHILLEN CREEK AT CANTON, OH	05040001	405029	0812114	43.10	7.70
231	03119000	SANDY CREEK AT SANDYVILLE, OH	05040001	403804	0812228	481.00	7.28
232	03122500	TUSCARAWAS RIVER BELOW DOVER DAM NR DOVER, OH	05040001	403147	0812548	1,410.00	4.48
233	03125000	HOME CREEK NR NEW PHILADELPHIA, OH	05040001	402806	0812410	1.64	62.00
234	03130500	TOUBY RUN AT MANSFIELD, OH	05040002	404553	0823243	5.44	39.60
235	03134000	JEROME FORK AT JEROMEVILLE, OH	05040002	404807	0821201	120.00	9.56
236	03136000	MOHICAN RIVER AT GREER, OH	05040002	403053	0821144	948.00	2.91
237	03136500	KOKOSING RIVER AT MOUNT VERNON, OH	05040003	402420	0823000	202.00	10.10
238	03137000	KOKOSING RIVER AT MILLWOOD, OH	05040003	402351	0821709	455.00	7.57
239	03138500	WALHONDING RIVER BELOW MOHAWK DAM AT NELLIE, OH	05040003	402029	0820356	1,520.00	3.02
240	03139000	KILLBUCK CREEK AT KILLBUCK, OH	05040003	402853	0815910	462.00	3.69
241	03140000	MILL CREEK NR COSHOCTON, OH	05040003	402146	0815145	27.20	21.10
242	03142200	SALT FORK NR CAMBRIDGE, OH	05040005	400505	0812720	55.60	6.18
243	03144000	WAKATOMIKA CREEK NR FRAZEYSBURG, OH	05040004	400757	0820853	140.00	10.30
244	03146000	NORTH FORK LICKING RIVER AT UTICA, OH	05040006	401341	0822706	116.00	14.00
245	03146500	licking RIVER NR NEWARK, OH	05040006	400333	0822023	537.00	10.70
246	03147000	licking RIVER AT TOBOSO, OH	05040006	400326	0821312	672.00	8.21
247	03147500	licking RIVER BL DILLON DAM NR DILLON FALLS, OH	05040006	395918	0820450	742.00	6.00
248	03149500	SALT CREEK NR CHANDLERSVILLE, OH	05040004	395431	0815138	75.70	8.98
249	03151500	LITTLE KANAWHA RIVER NR BURNSVILLE, WV	05030203	384925	0803535	155.00	33.60
250	03152000	LITTLE KANAWHA RIVER AT GLENVILLE, WV	05030203	385600	0805020	386.00	17.40
251	03152200	BUCK RUN NR LEOPOLD, WV	05030203	390726	0804126	2.91	133.00
252	03152500	LEADING CREEK NR GLENVILLE, WV	05030203	385745	0805200	144.00	6.70
253	03153000	STEER CREEK NR GRANTSVILLE, WV	05030203	385145	0810205	166.00	10.20
254	03153500	LITTLE KANAWHA RIVER AT GRANTSVILLE, WV	05030203	385520	0810550	913.00	11.10
255	03154000	WEST FORK LITTLE KANAWHA RIVER AT ROCKSDALE, WV	05030203	385048	0811326	205.00	5.50
256	03154250	TANNER RUN AT SPENCER, WV	05030203	384811	0812158	2.82	61.90
257	03154500	REEDY CREEK NR REEDY, WV	05030203	385740	0812325	79.40	6.50
258	03155000	LITTLE KANAWHA RIVER AT PALESTINE, WV	05030203	390335	0812325	1,520.00	3.10
259	03155200	SOUTH FORK HUGHES RIVER AT MACFARLAN, WV	05030203	390440	0811125	210.00	5.60
260	03155500	HUGHES RIVER AT CISCO, WV	05030203	390710	0811640	452.00	4.30
261	03157000	CLEAR CREEK NR ROCKBRIDGE, OH	05030204	393518	0823443	89.00	9.20
262	03157500	HOCKING RIVER AT ENTERPRISE, OH	05030204	393354	0822829	459.00	10.60
263	03159500	HOCKING RIVER AT ATHENS, OH	05030204	391944	0820516	943.00	3.50
264	03159540	SHADE RIVER NR CHESTER, OH	05030202	390349	0815255	156.00	4.00
265	03177000	RICH CREEK NR PETERSTOWN, WV	05050002	372400	0804820	50.60	37.90
266	03177500	INDIAN CREEK AT INDIAN MILLS, WV	05050002	373155	0804910	189.00	15.30
267	03178000	BLUESTONE RIVER NR SPANISHBURG, WV	05050002	372600	0810640	199.00	12.80
268	03178500	CAMP CREEK NR CAMP CREEK, WV	05050002	373015	0810740	32.00	87.30
269	03179000	BLUESTONE RIVER NR PIPESTEM, WV	05050002	373245	0810030	363.00	5.90
270	03179500	BLUESTONE RIVER AT LILLY, WV	05050002	373505	0805755	438.00	8.00
271	03180000	NEW RIVER AT BLUESTONE DAM, WV	05050002	373835	0805300	4,600.00	5.40
272	03180500	GREENBRIER RIVER AT DURBIN, WV	05050003	383235	0795000	134.00	23.80
273	03181200	INDIAN DRAFT NR MARLINTON, WV	05050003	381648	0800431	3.06	0.66
274	03181500	GREENBRIER RIVER AT MARLINTON, WV	05050003	381410	0800505	408.00	15.20
275	03182000	KNAPP CREEK AT MARLINTON, WV	05050003	381240	0800430	108.00	28.30
276	03182500	GREENBRIER RIVER AT BUCKEYE, WV	05050003	381115	0800750	540.00	16.10
277	03183000	SECOND CREEK NR SECOND CREEK, WV	05050003	374105	0802725	80.80	37.50
278	03183500	GREENBRIER RIVER AT ALDERSON, WV	05050003	374330	0803830	1,360.00	9.20
279	03184000	GREENBRIER RIVER AT HILLDALE, WV	05050003	373825	0804820	1,620.00	9.00
280	03184200	BIG CREEK NR BELLEPOINT, WV	05050003	374028	0804852	8.27	325.00

Table 1A.--Basin characteristics - Eastern Coal Province--(continued)

Site Number	Station Number	Station Name	Hydrologic Unit Code	Latitude	Longitude	Drainage Area (Square miles)	Slope (Feet/mile)
281	03185000	PINEY CREEK AT RALEIGH, WV	05050004	374540	0810950	52.20	12.30
282	03185500	NEW RIVER AT CAPERTON, WV	05050004	380120	0810145	6,830.00	6.60
283	03186000	NEW RIVER AT FAYETTE, WV	05050004	380355	0810440	6,850.00	6.60
284	03186500	WILLIAMS RIVER AT DYER, WV	05050005	382245	0802905	128.00	41.90
285	03187000	GAULEY RIVER AT CAMDEN ON GAULEY, WV	05050005	382155	0803605	236.00	27.70
286	03187500	CRANBERRY RIVER NR RICHWOOD, WV	05050005	381745	0803140	81.20	52.50
287	03189000	CHERRY RIVER AT FENWICK, WV	05050005	381345	0803500	150.00	76.60
288	03189100	GAULEY RIVER NR CRAIGSVILLE, WV	05050005	381730	0803830	528.00	21.90
289	03189500	GAULEY RIVER NR SUMMERSVILLE, WV	05050005	381615	0804910	680.00	18.00
290	03189650	COLLISON CREEK NR NALLEN, WV	05050005	381035	0805207	2.78	143.00
291	03190000	MEADOW RIVER AT NALLEN, WV	05050005	380645	0805235	287.00	15.10
292	03190400	MEADOW RIVER NR MT. LOOKOUT, WV	05050005	381125	0805655	365.00	17.30
293	03191500	PETERS CREEK NR LOCKWOOD, WV	05050005	381540	0810120	40.90	53.10
294	03192000	GAULEY RIVER ABOVE BELVA, WV	05050005	381400	0811045	1,320.00	19.20
295	03193830	GILMER RUN NR MARLINTON, WV	05050007	381912	0800552	1.80	380.00
296	03194000	ELK RIVER AT WEBSTER SPRINGS, WV	05050007	382830	0802450	168.00	41.40
297	03194700	ELK RIVER BELOW WEBSTER SPRINGS, WV	05050007	383550	0802925	268.00	45.00
298	03195000	ELK RIVER AT CENTRALIA, WV	05050007	383700	0803320	281.00	34.80
299	03195600	GRANNY CREEK AT SUTTON, WV	05050007	384036	0804247	6.98	71.00
300	03197000	ELK RIVER AT QUEEN SHOALS, WV	05050007	382819	0811704	1,140.00	12.60
301	03198450	DRAWDY CREEK NR PEYTONA, WV	05050009	380729	0814133	7.75	49.00
302	03198500	BIG COAL RIVER AT ASHFORD, WV	05050009	381045	0814240	393.00	28.10
303	03199000	LITTLE COAL RIVER AT DANVILLE, WV	05050009	380345	0815015	270.00	19.70
304	03200500	COAL RIVER AT TORNADO, WV	05050009	382020	0815029	861.00	10.50
305	03201000	POCOTALICO RIVER AT SISSONVILLE, WV	05050008	383135	0813750	238.00	3.90
306	03201410	POPLAR FORK AT TEAYS, WV	05050008	382723	0815554	8.71	25.00
307	03202000	RACCOON CREEK AT ADAMSVILLE, OH	05090101	385225	0822122	585.00	2.81
308	03202400	GUYANDOTTE RIVER NR BAILEYSVILLE, WV	05070101	373615	0813844	308.00	35.20
309	03203000	GUYANDOTTE RIVER AT MAN, WV	05070101	374430	0815245	762.00	12.90
310	03203600	GUYANDOTTE RIVER AT LOGAN, WV	05070101	375010	0815950	836.00	10.40
311	03204000	GUYANDOTTE RIVER AT BRANCHLAND, WV	05070102	381315	0821210	1,230.00	7.70
312	03204500	MUD RIVER NR MILTON, WV	05070102	382315	0820646	256.00	4.10
313	03206500	FOURPOLE CREEK AT HUNTINGTON, WV	05090101	382415	0822845	20.90	14.20
314	03206600	EAST FORK TWELVEPOLE CREEK NR DUNLOW, WV	05090102	380102	0821746	38.20	21.70
315	03207000	TWELVEPOLE CREEK AT WAYNE, WV	05090102	381305	0822655	300.00	5.70
316	03207020	TWELVEPOLE CREEK BELOW WAYNE, WV	05090102	381456	0822606	300.00	5.70
317	03207500	LEVISA FORK NR GRUNDY, VA	05070202	371752	0820734	235.00	36.60
318	03207800	LEVISA FORK AT BIG ROCK, VA	05070202	372113	0821145	297.00	26.50
319	03208000	LEVISA FORK BELOW FISHTRAP DAM, KY	05070202	372458	0822515	386.00	16.90
320	03208500	RUSSELL FORK AT HAYSI, VA	05070202	371225	0821745	286.00	19.30
321	03208950	CRANES NEST RIVER NR CLINTWOOD, VA	05070202	370726	0822620	66.50	42.50
322	03209000	POUND RIVER BELOW FLANNAGAN DAM NR HAYSI, VA	05070202	371413	0822036	221.00	10.20
323	03209500	LEVISA FORK AT PIKEVILLE, KY	05070203	372835	0823105	1,240.00	11.50
324	03210000	JOHNS CREEK NR META, KY	05070203	373401	0822729	56.30	24.30
325	03211500	JOHNS CREEK NR VAN LEAR, KY	05070203	374437	0824327	206.00	6.40
326	03212000	PAINT CREEK AT STAFFORDSVILLE, KY	05070203	375005	0825215	103.00	8.50
327	03212500	LEVISA FORK AT PAINTSVILLE, KY	05070203	374855	0824730	2,140.00	5.30
328	03213000	TUG FORK AT LITWAR, WV	05070201	372905	0815040	502.00	16.80
329	03213500	PANTHER CREEK NR PANTHER, WV	05070201	372645	0815215	30.80	61.40
330	03213700	TUG FORK AT WILLIAMSON, WV	05070201	374021	0821650	941.00	10.20
331	03214000	TUG FORK NR KERMIT, WV	05070201	374905	0822320	1,180.00	8.50
332	03215000	BIG SANDY RIVER AT LOUISA, KY	05070201	381016	0823805	3,890.00	4.50
333	03215500	BLAINE CREEK AT YATESVILLE, KY	05070204	380840	0824105	217.00	3.50
334	03216500	LITTLE SANDY RIVER AT GRAYSON, KY	05090104	381948	0825622	400.00	3.70
335	03216800	TYGARTS CREEK AT OLIVE HILL, KY	05090103	381757	0831025	59.60	18.80
336	03217000	TYGARTS CREEK NR GREENUP, KY	05090103	383351	0825708	242.00	4.60
337	03231000	DEER CREEK AT WILLIAMSPORT, OH	05060002	393509	0830722	333.00	5.90
338	03231500	SCIOTO RIVER AT CHILLICOTHE, OH	05060002	392029	0825816	3,850.00	2.74
339	03232000	PAINT CREEK NR GREENFIELD, OH	05060003	392245	0832232	249.00	4.14
340	03232500	ROCKY FORK NR BARRETT'S MILLS, OH	05060003	391306	0832308	140.00	21.30
341	03234000	PAINT CREEK NR BOURNEVILLE, OH	05060003	391549	0831001	807.00	5.42
342	03234500	SCIOTO RIVER AT HIGBY, OH	05060002	391244	0825150	5,130.00	2.67
343	03235000	SALT CREEK AT TARLTON, OH	05060002	393320	0824651	11.50	28.60
344	03235500	TAR HOLLOW CREEK AT TAR HOLLOW STATE PARK, OH	05060002	392322	0824503	1.35	140.00
345	03237280	UPPER TWIN CREEK AT MCGAW, OH	05090201	383837	0831257	12.20	67.00
346	03237500	OHIO BRUSH CREEK NR WEST UNION, OH	05090201	384813	0832516	387.00	8.30
347	03238500	WHITEOAK CREEK NR GEORGETOWN, OH	05090201	385129	0835543	222.00	7.92
348	03239000	LITTLE MIAMI RIVER NR SELMA, OH	05090202	394836	0834421	48.90	9.94
349	03239500	NORTH FORK LITTLE MIAMI RIVER NR PITCHIN, OH	05090202	394940	0834638	28.90	9.43
350	03240000	LITTLE MIAMI RIVER NR OLDTOWN, OH	05090202	394454	0835553	129.00	13.20

Table 1A.--Basin characteristics - Eastern Coal Province--(continued)

Site Number	Station Number	Station Name	Hydrologic Unit Code	Latitude	Longitude	Drainage Area (Square miles)	Slope (Feet/mile)
351	03240500	NORTH FORK MASSIE CREEK AT CEDARVILLE, OH	05090202	394525	0834725	28.90	6.98
352	03241000	SOUTH FORK MASSIE CREEK NR CEDARVILLE, OH	05090202	394420	0834550	17.10	7.17
353	03241500	MASSIES CREEK AT WILBERFORCE, OH	05090202	394322	0835258	63.20	14.20
354	03242050	LITTLE MIAMI RIVER NR SPRING VALLEY, OH	05090202	393500	0840149	366.00	10.00
355	03242150	CAESAR CREEK NR XENIA, OH	05090202	393725	0835409	71.40	13.00
356	03242200	ANDERSON FORK NR NEW BURLINGTON, OH	05090202	393359	0835410	77.80	7.00
357	03242300	CAESAR CREEK AT HARVEYSBURG, OH	05090202	393027	0840042	209.00	11.00
358	03242500	LITTLE MIAMI RIVER NR FORT ANCIENT, OH	05090202	392242	0840532	677.00	7.96
359	03244000	TODD FORK NR ROACHESTER, OH	05090202	392007	0840512	219.00	12.00
360	03245500	LITTLE MIAMI RIVER AT MILFORD, OH	05090202	391017	0841753	1,200.00	6.48
361	03246200	EAST FORK LITTLE MIAMI RIVER NR MARATHON, OH	05090202	390652	0840129	195.00	5.35
362	03246500	EAST FORK LITTLE MIAMI RIVER AT WILLIAMSBURG, OH	05090202	390309	0840302	237.00	5.27
363	03247500	EAST FORK LITTLE MIAMI RIVER AT PERINTOWN, OH	05090202	390813	0841417	476.00	6.93
364	03248500	LICKING RIVER NR SALYERSVILLE, KY	05100101	374503	0830504	140.00	4.70
365	03249500	LICKING RIVER AT FARMERS, KY	05100101	380655	0833236	827.00	2.10
366	03250000	TRIPLETT CREEK AT MOREHEAD, KY	05100101	381104	0832548	47.50	29.40
367	03250100	NORTH FORK TRIPLETT CREEK NR MOREHEAD, KY	05100101	381157	0832850	84.70	15.80
368	03255500	MILL CREEK AT READING, OH	05090203	391314	0842649	73.00	7.60
369	03258000	WEST FORK MILL CREEK AT LOCKLAND, OH	05090203	391335	0842722	35.60	12.60
370	03277400	LEATHERWOOD CREEK AT DAISY, KY	05100201	370648	0830533	40.90	47.00
371	03277500	NORTH FORK KENTUCKY RIVER AT HAZARD, KY	05100201	371448	0831055	466.00	7.40
372	03278000	BEAR BRANCH NR NOBLE, KY	05100201	372702	0831143	2.21	116.00
373	03278500	TROUBLESOME CREEK AT NOBLE, KY	05100201	372636	0831306	177.00	8.80
374	03280000	NORTH FORK KENTUCKY RIVER AT JACKSON, KY	05100201	373305	0832305	1,100.00	4.60
375	03280600	MIDDLE FORK KENTUCKY RIVER NR HYDEN, KY	05100202	370813	0832217	202.00	29.40
376	03280700	CUTSHIN CREEK AT WOOTON, KY	05100202	370954	0831829	61.30	44.60
377	03281000	MIDDLE FORK KENTUCKY RIVER AT TALLEGA, KY	05100202	373318	0833538	537.00	4.70
378	03281100	GOOSE CREEK AT MANCHESTER, KY	05100203	370907	0834537	163.00	13.70
379	03281500	SOUTH FORK KENTUCKY RIVER AT BOONEVILLE, KY	05100203	372845	0834038	722.00	5.10
380	03282000	KENTUCKY RIVER AT LOCK 14 AT HEIDELBERG, KY	05100204	373319	0834606	2,660.00	3.20
381	03282500	RED RIVER NR HAZEL GREEN, KY	05100204	374844	0832750	65.80	8.20
382	03283000	STILLWATER CREEK AT STILLWATER, KY	05100204	374524	0832912	24.00	23.60
383	03283500	RED RIVER AT CLAY CITY, KY	05100204	375152	0835559	362.00	6.00
384	03285000	DIX RIVER NR DANVILLE, KY	05100205	373831	0843939	318.00	4.10
385	03304500	MCGILLS CREEK NR MCKINNEY, KY	05110005	372638	0844152	2.14	150.00
386	03305000	GREEN RIVER NR MCKINNEY, KY	05110005	372519	0844501	22.40	31.80
387	03305500	GREEN RIVER NR MOUNT SALEM, KY	05110005	372440	0844511	36.30	28.40
388	03400500	POOR FORK AT CUMBERLAND, KY	05130103	365826	0825935	82.30	28.10
389	03400800	MARTINS FORK NR SMITH, KY	05130101	364457	0831452	55.80	80.00
390	03401000	CUMBERLAND RIVER NR HARLAN, KY	05130101	365048	0832121	374.00	13.60
391	03402000	YELLOW CREEK NR MIDDLESBORO, KY	05130101	364005	0834119	58.20	74.40
392	03403000	CUMBERLAND RIVER NR PINEVILLE, KY	05130101	364848	0834558	809.00	8.20
393	03403500	CUMBERLAND RIVER AT BARBOURVILLE, KY	05130101	365145	0835313	960.00	7.40
394	03403910	CLEAR FORK AT SAXTON, KY	05130101	363802	0840642	331.00	15.40
395	03404000	CUMBERLAND RIVER AT WILLIAMSBURG, KY	05130101	364438	0840930	1,610.00	4.80
396	03404500	CUMBERLAND RIVER AT CUMBERLAND FALLS, KY	05130101	365014	0842036	1,980.00	3.80
397	03404900	LYNN CAMP CREEK AT CORBIN, KY	05130101	365705	0840537	53.80	10.30
398	03405000	LAUREL RIVER AT CORBIN, KY	05130101	365809	0840738	201.00	5.80
399	03406000	WOOD CREEK NR LONDON, KY	05130101	370940	0840643	3.89	48.90
400	03406500	ROCKCASTLE RIVER AT BILLOWS, KY	05130102	371016	0841746	604.00	3.60
401	03407000	ROCKCASTLE RIVER AT ROCKCA SPRINGS, KY	05130102	370035	0841855	745.00	3.60
402	03407100	CANE BRANCH NR PARKERS LAKE, KY	05130101	365205	0842657	.67	206.00
403	03407300	HELTON BRANCH AT GREENWOOD, KY	05130103	365307	0842855	.85	130.00
404	03407500	BUCK CREEK NR SHOPVILLE, KY	05130103	371238	0842752	165.00	10.10
405	03408000	NEW RIVER NR NEW RIVER, TN	05130104	362303	0843143	314.00	7.00
406	03408500	NEW RIVER AT NEW RIVER, TN	05130104	362308	0843317	382.00	7.06
407	03409500	CLEAR FORK NR ROBBINS, TN	05130104	362318	0843749	272.00	12.00
408	03410500	SOUTH FORK CUMBERLAND RIVER NR STEARNS, KY	05130101	363737	0843200	954.00	9.00
409	03411000	SOUTH FORK CUMBERLAND RIVER AT NEVELSVILLE, KY	05130103	365025	0843500	1,270.00	8.00
410	03411500	CUMBERLAND RIVER AT BURNSIDE, KY	05130103	365921	0843635	4,860.00	3.90
411	03412500	PITMAN CREEK AT SOMERSET, KY	05130103	370701	0843531	31.30	19.00
412	03413200	BEAVER CREEK NR MONTICELLO, KY	05130103	364751	0845346	43.40	9.50
413	03414000	CUMBERLAND RIVER NR ROWENA, KY	05130103	365302	0850622	5,790.00	3.10
414	03414500	EAST FORK OBEY RIVER NR JAMESTOWN, TN	05130105	362458	0850135	202.00	37.00
415	03415000	WEST FORK OBEY RIVER NR ALPINE, TN	05130105	362349	0851028	115.00	33.60
416	03415500	OBEY RIVER NR BYRDSTOWN, TN	05130105	363209	0851013	445.00	21.20
417	03416000	WOLF RIVER NR BYRDSTOWN, TN	05130105	363337	0850423	106.00	12.30
418	03418000	ROARING RIVER NR HILHAM, TN	05130106	362027	0852535	78.70	14.60
419	03418500	CANEY FORK AT CLIFTY, TN	05130108	355328	0851305	111.00	15.27
420	03420000	CALFKILLER RIVER BELOW SPARTA, TN	05130108	355431	0852846	175.00	5.19



Table 1A.—Basin characteristics - Eastern Coal Province--(continued)

Site Number	Station Number	Station Name	Hydrologic Unit Code	Latitude	Longitude	Drainage Area (Square miles)	Slope (Feet/mile)
421	03420500	BARREN FORK NR TROUSDALE, TN	05130107	353955	0855300	126.00	11.80
422	03421000	COLLINS RIVER NR MCMINNVILLE, TN	05130107	354232	0854346	640.00	25.90
423	03423000	FALLING WATER RIVER NR COOKEVILLE, TN	05130108	360438	0853117	67.00	18.20
424	03467000	LICK CREEK AT MOHAWK, TN	06010108	361205	0830252	220.00	4.21
425	03471500	S F HOLSTON RIVER AT RIVERSIDE, NR CHILHOWIE, VA	06010102	364537	0813753	76.10	32.00
426	03472500	BEAVERDAM CREEK AT DAMASCUS, VA	06010102	363740	0814728	56.00	56.90
427	03473000	SOUTH FORK HOLSTON RIVER NR DAMASCUS, VA	06010102	363906	0815039	301.00	23.20
428	03473500	MIDDLE FORK HOLSTON RIVER AT GROSECLOSE, VA	06010102	365319	0812051	7.39	46.20
429	03474000	MIDDLE FORK HOLSTON RIVER AT SEVEN MILE FORD, VA	06010102	364826	0813720	132.00	24.30
430	03474500	MIDDLE FORK HOLSTON RIVER AT CHILHOWIE, VA	06010102	364745	0814050	155.00	21.50
431	03475000	MIDDLE FORK HOLSTON RIVER NR MEADOWVIEW, VA	06010102	364247	0814908	211.00	14.60
432	03477500	BEAVER CREEK NR WALLACE, VA	06010102	363825	0820642	13.70	40.40
433	03478400	BEAVER CREEK AT BRISTOL, VA	06010102	363754	0820802	27.70	40.00
434	03487550	REEDY CREEK AT OREBANK, TN	06010102	363342	0822736	36.30	56.24
435	03488000	NORTH FORK HOLSTON RIVER NR SALTVILLE, VA	06010101	365348	0814447	222.00	21.70
436	03489500	NORTH FORK HOLSTON RIVER AT MENDOTA, VA	06010101	364205	0821826	493.00	13.90
437	03490000	NORTH FORK HOLSTON RIVER NR GATE CITY, VA	06010101	363631	0823405	672.00	9.69
438	03491000	BIG CREEK NR ROGERSVILLE, TN	06010104	362534	0825707	47.30	14.40
439	03496000	FIRST CR, MN. SPRS. AVE., KNOXVILLE, TN	06010201	360053	0835518	15.70	16.70
440	03521500	CLINCH RIVER AT RICHLANDS, VA	06010205	370510	0814652	139.00	23.00
441	03524000	CLINCH RIVER AT CLEVELAND, VA	06010205	365641	0820918	528.00	14.90
442	03524500	GUEST RIVER AT COEBURN, VA	06010205	365545	0822723	87.30	13.10
443	03526000	COPPER CREEK NR GATE CITY, VA	06010205	364026	0823357	106.00	16.10
444	03527000	CLINCH RIVER AT SPEERS FERRY, VA	06010205	363855	0824502	1,130.00	9.36
445	03528000	CLINCH RIVER ABOVE TAZEWEEL, TN	06010205	362530	0832354	1,470.00	6.59
446	03528300	BIG BARREN CREEK NR NEW TAZEWEEL, TN	06010205	362256	0834240	19.00	54.60
447	03528400	WHITE CREEK NR SHARPS CHAPEL, TN	06010205	362042	0835340	2.68	154.00
448	03529500	POWELL RIVER AT BIG STONE GAP, VA	06010206	365208	0824632	112.00	41.20
449	03531000	POWELL RIVER NR PENNINGTON GAP, VA	06010206	364404	0825956	290.00	21.50
450	03531500	POWELL RIVER NR JONESVILLE, VA	06010206	363943	0830542	319.00	16.80
451	03532000	POWELL RIVER NR ARTHUR, TN	06010206	363230	0833749	685.00	3.77
452	03533000	CLINCH RIVER BELOW NORRIS DAM, TN	06010207	361256	0840456	2,920.00	4.86
453	03535000	BULLRUN CREEK NR HALLS CROSSROADS, TN	06010207	360652	0835916	68.50	15.20
454	03537000	WHITEOAK CREEK BL O R N L NR OAK RIDGE, TN	06010207	355444	0841859	3.62	72.40
455	03538225	POPLAR CREEK NR OAK RIDGE, TN	06010207	355955	0842023	82.50	13.22
456	03538250	EAST FORK POPLAR CREEK NR OAK RIDGE, TN	06010207	355758	0842130	19.50	12.87
457	03538500	EMORY RIVER NR WARTBURG, TN	06010208	360646	0843654	83.20	30.60
458	03539500	DADDYS CREEK NR CRAB ORCHARD, TN	06010208	355533	0845447	93.50	9.30
459	03539600	DADDYS CREEK NR HEBBERTSBURG, TN	06010208	355953	0844924	139.00	8.65
460	03539800	OBED RIVER NR LANCING, TN	06010208	360453	0844015	518.00	17.20
461	03540500	EMORY RIVER AT OAKDALE, TN	06010208	355859	0843329	764.00	18.00
462	03541500	WHITES CREEK NR GLEN ALICE, TN	06010201	354749	0844537	108.00	54.00
463	03543500	SEWEE CREEK NR DECATUR, TN	06020001	353453	0844453	117.00	11.50
464	03544500	RICHLAND CREEK NR DAYTON, TN	06020001	353017	0850120	50.20	103.00
465	03565500	OOSTANAUOLA CREEK NR SANFORD, TN	06020002	351939	0844219	57.00	7.49
466	03566420	WOLFEVER CREEK NR OOLTEWAH, TN	06020001	350343	0850359	18.80	16.58
467	03567500	SOUTH CHICKAMAUGA CREEK NR CHICKAMAUGA, TN	06020001	350050	0851227	428.00	5.58
468	03571000	SEQUATCHIE RIVER NR WHITWELL, TN	06020004	351222	0852948	402.00	3.29
469	03572900	TOWN CREEK NR GERALDINE, AL	06030001	342242	0855925	141.00	10.90
470	03574500	PAINT ROCK RIVER NR WOODVILLE, AL	06030002	343727	0861823	320.00	14.80
471	03575000	FLINT RIVER NR CHASE, AL	06030002	344908	0862852	342.00	8.00
472	03576148	COTACO CREEK AT FLORETTE, AL	06030002	342449	0864116	136.00	3.10
473	03576250	LIMESTONE CREEK NR ATHENS, AL	06030002	344506	0864924	119.00	10.60
474	03576400	PINEY CREEK NEAR ATHENS, AL	06030002	344810	0865300	55.80	11.40
475	03576500	FLINT CREEK NR FALKVILLE, AL	06030002	342223	0865601	86.30	19.20
476	03578000	ELK RIVER NR PELHAM, TN	06030003	351748	0855212	65.60	78.30
477	03579100	ELK RIVER NR ESTILL SPRINGS, TN	06030003	351708	0860620	275.00	4.20
478	03582000	ELK RIVER ABOVE FAYETTEVILLE, TN	06030003	350804	0863223	827.00	3.42
479	03584000	RICHLAND CREEK NR PULASKI, TN	06030004	351251	0870605	366.00	5.32
480	03584500	ELK RIVER NR PROSPECT, TN	06030004	350139	0865652	1,780.00	2.85
481	03585300	SUGAR CREEK NR GOOD SPRINGS, AL	06030004	345640	0870920	152.00	11.50
482	03586500	BIG NANCE CREEK AT COURTLAND, AL	06030005	344012	0871902	166.00	5.40
483	03589250	POND CREEK NR WILSON DAM, AL	06030005	344529	0873607	13.70	10.30
484	03590000	CYPRESS CREEK NR FLORENCE, AL	06030005	344828	0874202	209.00	19.80
485	03591800	BEAR CREEK NEAR HACKLEBURG, AL	06030006	341701	0874626	143.00	6.10
486	03592000	BEAR CREEK NR RED BAY, AL	06030006	342638	0880656	263.00	4.00
487	03592200	CEDAR CREEK NR PLEASANT SITE, AL	06030006	343256	0880109	189.00	4.80
488	03592300	LITTLE BEAR CREEK NR HALLTOWN, AL	06030006	342919	0880207	78.20	10.60
489	03592500	BEAR CREEK AT BISHOP, AL	06030006	343921	0880721	667.00	3.80

Table 1A.--Basin characteristics - Eastern Coal Province--(continued)

Station Number	Length (Miles)	Forest Cover (Percent)	Precipi- tation (Inches)	Elevation (Feet)	Storage (Percent)
01516500	6.69	27.00	34.70	1,670	0.02
01517000	7.77	29.00	35.00	1,820	.00
01518000	29.80	63.00	36.80	1,740	1.01
01518500	23.00	32.00	36.20	1,610	1.00
01520000	37.30	29.00	34.30	1,600	.00
01541000	35.30	77.00	45.20	1,740	1.01
01541308	4.71	80.00	44.50	2,190	.60
01541500	65.10	78.00	44.60	1,680	1.91
01542000	13.93	85.00	44.00	1,830	1.00
01542500	103.50	81.00	44.50	1,720	1.01
01546000	27.08	72.00	41.00	1,320	.00
01546500	18.31	33.00	38.70	1,270	.00
01547100	22.80	28.00	38.70	1,210	.00
01547200	27.50	49.00	40.40	1,260	1.00
01547500	42.10	49.00	40.20	1,210	1.00
01547700	17.00	76.00	38.20	1,280	.00
01547800	5.77	95.00	40.00	2,000	.00
01547950	25.80	93.00	39.40	1,680	.08
01548000	44.60	80.00	40.50	1,310	1.00
01556000	33.13	64.00	43.10	1,570	1.30
01556500	11.41	81.00	46.00	1,750	1.17
01557500	12.00	85.00	44.30	1,620	1.00
01558000	24.36	76.00	44.20	1,340	1.26
01559000	58.40	74.00	42.40	1,310	1.00
01559500	31.60	87.00	39.80	1,190	1.00
01595000	17.50	78.00	48.00	2,850	.19
01595500	26.90	73.00	46.00	2,820	.28
01595800	39.90	72.00	45.50	2,730	.24
01596000	43.10	77.00	45.50	2,670	.22
01596500	19.10	81.00	44.00	2,510	.62
01597000	9.30	79.00	46.00	2,510	.12
01598000	24.80	83.00	44.50	2,410	.32
01599000	17.00	92.00	41.50	2,170	.01
01600000	65.60	74.00	43.00	2,260	.17
01601000	22.70	84.00	36.00	1,960	1.00
01601500	34.70	70.00	36.00	1,880	.03
01603000	82.10	73.00	42.00	2,160	.12
01603500	12.30	59.00	35.50	1,570	1.00
01609000	40.30	79.00	36.00	1,310	.05
01609500	5.40	90.00	36.50	818	.03
01610000	158.00	76.00	38.00	1,920	.08
01610155	34.30	71.00	38.00	1,120	.05
01612500	5.80	89.00	37.50	851	.04
01613000	196.00	77.00	35.50	1,800	.06
01614500	57.20	38.00	39.50	1,050	.05
01617800	8.70	11.00	39.50	509	.19
01618000	248.50	68.00	37.00	1,520	.05
01619000	16.30	49.00	40.00	1,010	1.08
01619500	47.10	23.00	40.00	781	.07
01620500	9.60	98.00	42.10	3,330	1.00
01622000	38.90	52.00	39.00	2,040	1.04
01624300	30.10	65.00	37.20	2,000	1.05
01625000	64.00	30.00	39.30	1,600	1.04
01626000	23.40	67.00	45.90	1,820	1.13
01627500	41.80	61.00	43.90	1,740	1.11
01628500	55.60	45.00	40.20	1,750	1.05
01629500	97.20	54.00	41.40	1,680	1.05
01631000	145.00	50.00	41.60	1,600	1.04
01632000	25.80	89.00	35.80	2,020	1.00
01632900	25.10	50.00	38.00	1,400	1.00
01633000	45.90	53.00	37.00	1,670	1.01
01633500	20.40	86.00	34.00	2,030	1.00
01634000	103.00	50.00	36.50	1,430	1.01
01634500	23.40	86.00	34.60	1,350	1.00
01635500	31.10	81.00	38.70	1,490	1.02
02011500	33.40	90.00	40.90	2,890	1.00
02012500	57.60	80.00	40.80	2,480	1.00
02013000	27.30	87.00	38.50	2,230	1.00
02014000	39.80	85.00	38.60	2,320	1.01
02016000	74.30	81.00	40.10	2,030	1.00

Table 1A.--Basin characteristics - Eastern Coal Province--(continued)

Station Number	Length (Miles)	Forest Cover (Percent)	Precipitation (Inches)	Elevation (Feet)	Storage (Percent)
02016500	93.40	82.00	40.00	2,210	1.01
02017500	35.30	90.00	38.20	2,210	1.00
02018000	65.10	88.00	39.40	2,150	1.00
02018500	17.00	68.00	42.60	1,880	1.00
02019000	32.80	60.00	42.20	1,500	1.00
02019500	131.00	81.00	40.40	2,080	1.01
02020500	32.40	91.00	39.70	2,520	1.00
02021000	32.60	91.00	39.80	2,450	1.00
02021500	41.80	88.00	39.90	2,200	1.23
02022500	10.40	77.00	39.30	1,900	1.00
02023000	54.70	75.00	40.60	1,810	1.15
02023500	23.00	64.00	46.50	1,820	1.00
02024000	61.90	70.00	43.10	1,950	1.15
02024500	75.70	68.00	42.70	1,880	1.12
02444000	36.40	85.00	50.00	320	2.00
02444500	142.00	75.00	52.00	480	1.00
02445000	27.10	80.00	51.00	320	1.00
02445500	57.90	95.00	54.00	520	5.00
02446000	133.00	90.00	54.00	490	5.00
02446500	114.00	90.00	52.00	470	4.00
02447000	161.00	90.00	52.00	450	5.00
02448500	85.00	70.00	50.00	290	3.00
02450000	34.00	20.00	54.00	720	.10
02450200	6.84	75.00	54.00	582	1.00
02450250	15.10	98.00	53.00	—	1.00
02450500	39.00	94.00	54.00	640	4.00
02451000	33.70	85.00	56.00	700	1.00
02453000	28.00	80.00	57.00	570	1.00
02453500	87.20	60.00	54.00	580	1.00
02454000	32.80	80.00	58.00	460	1.00
02454200	26.70	95.00	58.00	520	1.00
02455000	58.40	20.00	53.00	880	1.00
02455500	87.50	40.00	53.00	820	4.00
02456000	19.30	90.00	53.00	655	1.00
02456500	122.00	60.00	53.00	760	1.00
02460500	30.80	80.00	54.00	670	5.00
02462600	4.30	85.00	54.00	507	1.00
02462800	9.40	80.00	53.00	550	1.00
02463500	25.10	90.00	54.00	440	1.00
02464000	34.50	85.00	53.00	440	1.00
02464500	52.60	85.00	53.00	420	1.00
02465500	15.50	95.00	53.00	330	2.00
02466500	22.00	15.00	52.00	210	1.00
02467500	49.50	70.00	52.00	310	1.00
03008000	5.70	52.00	39.00	1,810	.00
03010500	47.60	87.00	43.00	1,890	1.00
03011800	17.30	92.00	44.70	2,030	1.47
03015000	54.30	42.00	46.00	1,480	3.66
03015280	8.60	52.00	46.20	1,660	2.09
03015500	41.60	64.00	46.50	1,580	1.23
03016000	164.10	70.00	44.20	1,760	1.70
03017500	27.59	92.00	45.20	1,830	1.01
03019000	56.70	94.00	44.60	1,720	1.00
03020500	41.60	63.00	44.70	1,500	1.31
03021500	36.12	72.00	46.40	1,560	1.77
03021700	3.50	44.00	40.00	1,430	.00
03022500	74.10	78.00	45.80	1,460	2.00
03023000	29.90	55.00	40.00	1,240	.50
03023500	97.17	65.00	44.60	1,400	1.10
03024000	101.30	63.00	44.50	1,400	1.09
03025000	22.67	68.00	43.00	1,430	1.31
03025200	3.11	66.00	41.90	1,420	1.00
03026500	6.06	100.00	45.80	2,070	1.00
03028000	13.00	88.00	46.20	1,950	1.00
03029000	28.80	86.00	45.00	1,900	1.00
03029400	6.79	92.00	41.80	1,540	1.00
03029500	71.90	88.00	43.40	1,780	1.00
03031950	4.35	43.00	42.00	1,510	1.00
03032500	86.02	61.00	42.00	1,540	1.06
03034000	26.85	69.00	43.20	1,570	1.01



Table 1A.--Basin characteristics - Eastern Coal Province--(continued)

Station Number	Length (Miles)	Forest Cover (Percent)	Precipitation (Inches)	Elevation (Feet)	Storage (Percent)
03034500	24.16	44.00	44.30	1,550	1.00
03035000	49.30	54.00	43.30	1,520	1.10
03038000	28.60	68.00	42.70	1,310	1.75
03039200	3.25	97.00	46.50	2,690	1.00
03040000	40.60	53.00	46.10	2,140	1.30
03041000	27.90	70.00	46.40	2,080	1.12
03042000	40.90	47.00	46.00	1,780	.10
03042200	6.52	67.00	46.50	1,840	1.00
03043000	42.60	45.00	46.40	1,640	1.10
03045000	21.10	71.00	47.20	1,730	1.30
03045500	37.60	57.00	47.00	1,520	1.22
03049000	32.16	78.00	39.70	1,230	1.00
03049800	4.86	44.00	37.00	1,110	1.00
03050000	37.60	80.00	46.00	3,110	.00
03050500	55.00	80.00	45.00	2,940	.00
03051500	26.60	80.00	54.00	2,600	.00
03052000	37.90	80.00	53.00	2,480	.00
03052500	12.60	60.00	55.00	1,870	.00
03053500	54.00	60.00	57.00	2,110	.00
03054500	88.40	75.00	50.00	2,410	.00
03056500	114.80	75.00	49.00	2,220	.00
03057500	9.50	50.00	48.00	1,350	.00
03058000	30.40	55.00	47.00	1,340	.00
03058500	39.40	55.00	47.00	1,340	.00
03059000	58.80	29.00	48.00	1,250	.00
03059500	16.40	30.00	47.00	1,350	.00
03061000	89.30	50.00	46.00	1,260	.00
03061500	23.50	65.00	46.00	1,300	.00
03062400	8.40	75.00	44.00	1,420	1.00
03062500	23.40	65.00	44.00	1,770	.00
03063600	4.50	50.00	51.00	3,230	1.00
03065000	37.60	80.00	48.00	3,310	.00
03066000	21.40	50.00	52.00	3,420	.00
03069000	84.70	90.00	46.00	3,300	.00
03069500	87.70	85.00	49.00	3,250	1.00
03069880	8.10	60.00	49.90	2,290	1.00
03070000	118.40	80.00	51.00	2,950	1.00
03070500	24.40	10.00	46.90	2,070	.00
03071000	145.00	80.00	50.00	2,700	.00
03071500	151.70	80.00	50.00	2,690	.00
03072000	42.94	44.00	41.60	1,100	1.00
03072590	7.61	45.00	41.90	1,340	1.00
03073000	31.96	14.00	40.70	1,090	1.00
03074500	17.38	45.00	42.00	1,250	.00
03075500	20.00	64.00	50.00	2,610	.24
03076600	15.90	44.00	48.00	2,460	.12
03078000	17.35	80.00	45.50	2,610	.00
03078500	9.90	65.00	43.00	2,550	.16
03079000	52.18	64.00	46.00	2,420	1.24
03080000	32.55	86.00	47.20	2,270	1.40
03082200	5.58	60.00	47.40	1,930	1.00
03083000	2.79	74.00	44.00	1,900	.00
03084000	3.55	33.00	40.00	1,180	1.20
03084500	15.10	47.00	41.00	1,120	1.00
03085500	42.64	10.00	39.00	1,140	.00
03086100	5.66	57.00	36.00	1,080	1.00
03086500	16.10	13.00	37.00	1,030	.90
03088000	9.81	5.30	37.00	1,090	.50
03089500	8.71	20.00	37.00	1,160	2.00
03090500	30.40	9.50	36.50	1,120	2.40
03092000	10.60	28.00	38.00	984	1.00
03092090	10.28	27.00	38.50	1,110	1.00
03092500	18.70	12.90	37.00	1,040	3.70
03093000	18.90	16.90	38.00	958	.10
03096000	35.80	16.00	36.50	994	5.60
03098500	19.10	12.30	37.00	1,080	.20
03102950	18.79	17.00	39.00	969	4.00
03103000	30.00	32.00	40.50	1,050	1.70
03104000	62.40	35.00	39.70	1,100	3.57
03104760	2.51	35.00	39.00	1,260	.00

Table 1A.--Basin characteristics - Eastern Coal Province--(continued)

Station Number	Length (Miles)	Forest Cover (Percent)	Precipitation (Inches)	Elevation (Feet)	Storage (Percent)
03106000	48.03	56.00	38.80	1,180	1.18
03106300	19.40	37.00	39.00	1,290	1.58
03106500	45.19	48.00	39.50	1,240	1.02
03108000	42.61	38.00	38.00	1,100	1.01
03109000	5.23	15.00	39.00	1,190	3.00
03109500	52.00	15.00	37.50	1,110	1.10
03110000	28.90	44.10	40.00	1,090	.00
03111150	6.36	12.00	39.20	1,190	1.00
03111500	25.80	13.50	39.00	1,110	.00
03112000	34.80	50.00	40.00	1,230	1.00
03113700	2.78	60.00	40.00	1,200	1.00
03114000	26.20	8.30	41.00	1,140	.00
03114500	72.00	60.00	46.00	1,060	.00
03114650	1.60	40.00	43.00	900	1.05
03115400	42.34	50.00	41.50	974	.00
03116000	25.80	6.70	37.00	1,080	1.40
03116200	21.82	10.00	37.00	1,130	1.00
03117000	43.50	9.10	37.00	1,070	.70
03117500	25.60	10.00	37.50	1,180	.00
03118000	15.00	7.90	37.00	1,130	.40
03119000	35.20	16.30	37.50	1,150	.00
03122500	71.70	10.70	37.00	1,100	.60
03125000	1.97	21.00	39.00	997	6.00
03130500	4.39	12.50	38.00	1,360	.00
03134000	18.50	.90	35.00	1,090	.00
03136000	75.80	3.00	36.50	1,180	.30
03136500	31.10	2.30	37.00	1,180	.00
03137000	50.50	2.10	38.00	1,140	.00
03138500	98.00	3.20	39.00	1,160	.20
03139000	40.10	6.70	37.00	1,030	.00
03140000	10.40	27.00	39.50	1,000	.00
03142200	22.70	14.20	39.50	986	.00
03144000	31.60	5.00	39.00	963	.00
03146000	25.43	7.00	38.00	1,140	1.00
03146500	45.00	1.40	39.00	1,030	.60
03147000	51.40	2.00	39.00	1,020	.80
03147500	63.12	4.00	39.00	999	1.00
03149500	23.80	9.40	38.50	921	.00
03151500	39.30	65.00	54.00	1,500	.00
03152000	62.80	65.00	48.00	1,280	.00
03152200	2.50	50.00	48.00	1,090	1.00
03152500	27.80	55.00	48.00	1,050	.00
03153000	28.70	75.00	46.00	1,110	.00
03153500	86.20	65.00	46.00	1,170	.00
03154000	29.10	50.00	44.00	1,030	.00
03154250	2.80	40.00	43.00	880	1.00
03154500	22.60	45.00	43.00	910	.00
03155000	138.30	60.00	44.00	1,090	.00
03155200	43.10	45.00	46.00	1,020	.00
03155500	53.20	55.00	45.00	990	.00
03157000	22.50	9.20	39.00	993	.00
03157500	29.20	5.60	39.00	962	.00
03159500	55.00	11.30	39.50	880	.00
03159540	29.80	42.00	40.50	749	2.00
03177000	12.30	50.00	42.00	2,400	1.00
03177500	40.00	60.00	40.00	2,310	1.00
03178000	41.50	65.00	40.00	2,600	1.00
03178500	9.50	90.00	42.00	2,710	.00
03179000	100.00	60.00	40.00	2,570	.00
03179500	103.00	60.00	40.00	2,560	.00
03180000	262.30	60.00	42.00	2,690	.00
03180500	19.10	80.00	42.00	3,620	.00
03181200	2.80	60.00	42.00	3,240	1.00
03181500	61.30	85.00	42.00	3,200	1.00
03182000	25.40	80.00	40.00	2,910	.00
03182500	66.10	80.00	42.00	3,180	.00
03183000	19.20	70.00	38.00	2,630	.00
03183500	140.80	80.00	41.00	2,840	.00
03184000	164.00	75.00	40.00	2,770	.00
03184200	4.20	75.00	36.00	2,450	1.00

Table 1A.--Basin characteristics - Eastern Coal Province--(continued)

Station Number	Length (Miles)	Forest Cover (Percent)	Precipi- tation (Inches)	Elevation (Feet)	Storage (Percent)
03185000	20.60	80.00	44.00	2,570	.00
03185500	309.90	65.00	44.00	2,700	.00
03186000	314.90	65.00	44.00	2,700	.00
03186500	31.40	99.00	50.00	3,410	.00
03187000	37.00	95.00	49.00	3,180	.00
03187500	27.20	99.00	49.00	3,270	.00
03189000	20.60	95.00	49.00	3,320	.00
03189100	46.60	92.00	49.00	3,050	.00
03189500	62.80	90.00	49.00	2,960	.00
03189650	2.80	95.00	47.00	2,080	.00
03190000	44.90	75.00	48.00	2,880	.00
03190400	55.70	80.00	48.00	2,700	.00
03191500	13.10	80.00	48.00	1,700	.00
03192000	99.90	85.00	47.00	2,690	.00
03193830	1.40	60.00	45.00	3,690	1.01
03194000	41.70	95.00	56.00	3,100	1.00
03194700	54.10	88.00	51.00	3,000	.00
03195000	65.40	90.00	56.00	2,900	.00
03195600	4.70	50.00	45.00	1,180	.00
03197000	155.90	85.00	46.00	1,840	.00
03198450	4.80	50.00	43.00	1,230	.00
03198500	63.00	95.00	43.00	1,750	.00
03199000	32.30	95.00	44.00	1,630	.00
03200500	106.90	90.00	43.00	1,450	.00
03201000	44.50	45.00	43.00	940	.00
03201410	6.30	25.00	42.00	820	.70
03202000	71.60	21.90	40.00	829	.10
03202400	37.50	91.00	43.00	2,080	.00
03203000	86.90	90.00	44.00	1,950	.00
03203600	99.20	90.00	44.00	1,900	.01
03204000	144.70	90.00	43.00	1,790	.00
03204500	48.50	80.00	42.00	950	.00
03206500	10.30	90.00	43.00	780	1.05
03206600	17.20	92.00	43.00	1,080	.00
03207000	52.30	80.00	43.00	1,020	.00
03207020	52.30	80.00	43.00	1,020	.00
03207500	23.50	92.00	41.60	2,040	1.00
03207800	31.80	90.00	43.50	2,000	1.00
03208000	52.70	85.00	44.00	1,900	.00
03208500	23.50	97.00	42.60	2,120	1.04
03208950	17.00	95.00	46.00	2,090	1.00
03209000	41.30	92.00	46.90	2,000	1.93
03209500	70.40	84.00	44.00	1,800	.01
03210000	21.50	82.00	44.00	1,400	.00
03211500	55.10	82.00	44.00	1,200	.00
03212000	21.00	79.00	45.00	1,000	.00
03212500	120.30	81.00	44.00	1,500	.01
03213000	49.20	90.00	43.00	2,030	.00
03213500	11.70	90.00	43.00	1,830	.00
03213700	99.60	90.00	43.00	1,800	1.00
03214000	117.10	90.00	43.00	1,700	.00
03215000	137.60	84.00	44.00	1,500	.01
03215500	40.10	75.00	44.00	800	.00
03216500	47.20	68.00	44.00	900	.00
03216800	12.00	56.00	44.00	1,000	.02
03217000	61.20	64.00	44.00	950	.02
03231000	58.40	.80	37.50	956	.00
03231500	163.00	.80	37.00	940	.00
03232000	55.70	.60	38.50	1,010	.00
03232500	17.30	.00	43.50	905	.00
03234000	86.40	2.90	40.00	723	.00
03234500	177.00	2.50	37.00	935	.00
03235000	7.73	11.00	39.50	1,020	.00
03235500	1.67	96.00	39.50	1,020	.00
03237280	6.91	96.00	43.00	1,050	.00
03237500	45.90	9.00	42.00	895	.00
03238500	44.40	3.90	41.50	984	.00
03239000	12.70	5.60	38.50	1,070	.04
03239500	13.60	6.00	38.50	1,080	.00
03240000	26.40	1.30	38.00	1,060	.00



Table 1A.--Basin characteristics - Eastern Coal Province--(continued)

Station Number	Length (Miles)	Forest Cover (Percent)	Precipitation (Inches)	Elevation (Feet)	Storage (Percent)
01516500	6.69	27.00	34.70	1,670	0.02
01517000	7.77	29.00	35.00	1,820	.00
01518000	29.80	63.00	36.80	1,740	1.01
01518500	23.00	32.00	36.20	1,610	1.00
01520000	37.30	29.00	34.30	1,600	.00
01541000	35.30	77.00	45.20	1,740	1.01
01541308	4.71	80.00	44.50	2,190	.60
01541500	65.10	78.00	44.60	1,680	1.91
01542000	13.93	85.00	44.00	1,830	1.00
01542500	103.50	81.00	44.50	1,720	1.01
01546000	27.08	72.00	41.00	1,320	.00
01546500	18.31	33.00	38.70	1,270	.00
01547100	22.80	28.00	38.70	1,210	.00
01547200	27.50	49.00	40.40	1,260	1.00
01547500	42.10	49.00	40.20	1,210	1.00
01547700	17.00	76.00	38.20	1,280	.00
01547800	5.77	95.00	40.00	2,000	.00
01547950	25.80	93.00	39.40	1,680	.08
01548000	44.60	80.00	40.50	1,310	1.00
01556000	33.13	64.00	43.10	1,570	1.30
01556500	11.41	81.00	46.00	1,750	1.17
01557500	12.00	85.00	44.30	1,620	1.00
01558000	24.36	76.00	44.20	1,340	1.26
01559000	58.40	74.00	42.40	1,310	1.00
01559500	31.60	87.00	39.80	1,190	1.00
01595000	17.50	78.00	48.00	2,850	.19
01595500	26.90	73.00	46.00	2,820	.28
01595800	39.90	72.00	45.50	2,730	.24
01596000	43.10	77.00	45.50	2,670	.22
01596500	19.10	81.00	44.00	2,510	.62
01597000	9.30	79.00	46.00	2,510	.12
01598000	24.80	83.00	44.50	2,410	.32
01599000	17.00	92.00	41.50	2,170	.01
01600000	65.60	74.00	43.00	2,260	.17
01601000	22.70	84.00	36.00	1,960	1.00
01601500	34.70	70.00	36.00	1,880	.03
01603000	82.10	73.00	42.00	2,160	.12
01603500	12.30	59.00	35.50	1,570	1.00
01609000	40.30	79.00	36.00	1,310	.05
01609500	5.40	90.00	36.50	818	.03
01610000	158.00	76.00	38.00	1,920	.08
01610155	34.30	71.00	38.00	1,120	.05
01612500	5.80	89.00	37.50	851	.04
01613000	196.00	77.00	35.50	1,800	.06
01614500	57.20	38.00	39.50	1,050	.05
01617800	8.70	11.00	39.50	509	.19
01618000	248.50	68.00	37.00	1,520	.05
01619000	16.30	49.00	40.00	1,010	1.08
01619500	47.10	23.00	40.00	781	.07
01620500	9.60	98.00	42.10	3,330	1.00
01622000	38.90	52.00	39.00	2,040	1.04
01624300	30.10	65.00	37.20	2,000	1.05
01625000	64.00	30.00	39.30	1,600	1.04
01626000	23.40	67.00	45.90	1,820	1.13
01627500	41.80	61.00	43.90	1,740	1.11
01628500	55.60	45.00	40.20	1,750	1.05
01629500	97.20	54.00	41.40	1,680	1.05
01631000	145.00	50.00	41.60	1,600	1.04
01632000	25.80	89.00	35.80	2,020	1.00
01632900	25.10	50.00	38.00	1,400	1.00
01633000	45.90	53.00	37.00	1,670	1.01
01633500	20.40	86.00	34.00	2,030	1.00
01634000	103.00	50.00	36.50	1,430	1.01
01634500	23.40	86.00	34.60	1,350	1.00
01635500	31.10	81.00	38.70	1,490	1.02
02011500	33.40	90.00	40.90	2,890	1.00
02012500	57.60	80.00	40.80	2,480	1.00
02013000	27.30	87.00	38.50	2,230	1.00
02014000	39.80	85.00	38.60	2,320	1.01
02016000	74.30	81.00	40.10	2,030	1.00

Table 1A.--Basin characteristics - Eastern Coal Province--(continued)

Station Number	Length (Miles)	Forest Cover (Percent)	Precipitation (Inches)	Elevation (Feet)	Storage (Percent)
03240500	13.90	3.00	38.50	1,090	.00
03241000	10.80	2.00	38.50	1,090	.00
03241500	20.50	1.00	38.50	1,070	.00
03242050	43.50	2.60	38.50	991	.00
03242150	16.73	5.00	39.00	—	.00
03242200	25.59	5.00	42.00	—	.00
03242300	30.37	6.00	41.00	1,020	.00
03242500	65.60	4.00	40.00	976	.00
03244000	34.17	11.00	43.50	1,000	1.00
03245500	94.60	4.70	43.50	964	.00
03246200	44.60	.80	40.50	1,020	.00
03246500	52.70	1.30	42.50	1,000	.00
03247500	80.30	3.90	42.50	930	.00
03248500	36.40	83.00	46.00	1,100	.01
03249500	133.50	75.00	46.00	1,000	.02
03250000	9.70	73.00	45.00	1,000	.06
03250100	18.50	82.60	43.20	1,100	.02
03255500	15.90	13.60	39.00	715	.40
03258000	14.40	14.50	39.00	793	1.60
03277400	13.50	90.00	48.00	1,700	.00
03277500	61.60	82.00	48.00	1,600	.00
03278000	2.60	97.00	47.00	1,200	.00
03278500	35.70	89.00	47.00	1,300	.00
03280000	118.00	86.00	48.00	1,400	.01
03280600	27.20	94.00	48.00	1,700	.01
03280700	18.40	93.00	48.00	1,500	.02
03281000	95.00	91.00	48.00	1,400	.00
03281100	24.40	90.00	47.00	1,250	.00
03281500	77.00	82.00	48.00	1,200	.01
03282000	173.40	85.00	48.00	1,300	.01
03282500	20.20	70.00	46.00	1,100	.03
03283000	7.40	67.00	46.00	1,100	.00
03283500	68.90	77.00	46.00	1,000	.03
03285000	50.50	30.00	47.00	1,000	.10
03304500	2.10	75.00	47.00	1,200	.00
03305000	8.30	81.00	47.00	1,200	.00
03305500	9.10	79.00	47.00	1,200	.00
03400500	25.80	90.00	48.00	2,500	.00
03400800	19.00	90.00	47.50	2,150	.00
03401000	51.30	89.00	48.00	2,300	.01
03402000	12.70	80.00	48.00	2,000	.53
03403000	94.90	85.00	48.00	2,000	.05
03403500	106.90	85.00	48.00	1,900	.04
03403910	27.70	86.20	47.60	1,730	.10
03404000	151.90	80.00	48.00	1,700	.06
03404500	179.70	81.00	48.00	1,600	.06
03404900	10.00	24.00	48.00	1,200	.11
03405000	28.40	25.00	48.00	1,200	.06
03406000	2.60	64.00	48.00	1,200	.26
03406500	57.30	60.00	48.00	1,200	.02
03407000	74.70	70.00	46.10	1,140	.00
03407100	1.20	95.00	49.00	1,200	.00
03407300	1.55	94.00	49.00	1,200	.00
03407500	30.00	31.00	49.00	1,100	.05
03408000	42.50	90.00	54.00	1,800	.00
03408500	46.20	90.00	54.00	1,800	.00
03409500	36.50	87.10	51.00	1,480	.00
03410500	74.90	98.00	48.00	1,600	.00
03411000	100.00	95.00	48.00	1,500	.01
03411500	226.10	77.00	49.00	1,400	.04
03412500	12.20	19.00	50.00	1,100	.13
03413200	14.00	75.00	49.30	1,270	.05
03414000	282.70	72.00	50.00	1,400	.04
03414500	37.60	92.00	53.00	1,720	.10
03415000	20.50	86.20	55.00	1,310	.00
03415500	62.80	86.10	54.00	1,420	.05
03416000	23.40	88.90	53.00	1,300	.00
03418000	20.10	51.30	54.00	1,110	.04
03418500	19.50	85.70	54.00	1,840	.59
03420000	35.40	60.90	55.00	1,370	.14

Table 1A.--Basin characteristics - Eastern Coal Province--(continued)

Station Number	Length (Miles)	Forest Cover (Percent)	Precipitation (Inches)	Elevation (Feet)	Storage (Percent)
03420500	19.80	46.70	52.00	1,090	.00
03421000	53.30	65.40	53.00	1,370	.01
03423000	24.70	34.40	56.00	1,160	.18
03467000	50.40	42.90	42.00	1,380	.00
03471500	18.40	83.00	42.00	2,870	1.07
03472500	17.30	89.00	45.70	2,950	1.01
03473000	37.30	76.00	43.20	2,930	1.02
03473500	3.60	49.00	39.00	2,710	1.02
03474000	25.00	64.00	40.00	2,480	1.12
03474500	29.40	60.00	40.50	2,470	1.11
03475000	42.80	51.00	41.40	2,390	1.17
03477500	7.70	11.00	45.60	2,180	1.04
03478400	9.30	14.00	45.60	2,140	1.02
03487550	13.50	54.60	43.00	1,720	.00
03488000	47.60	63.00	43.40	2,730	1.01
03489500	93.20	66.00	44.10	2,480	1.13
03490000	124.00	64.00	44.40	2,370	1.10
03491000	20.10	58.10	44.00	1,470	.00
03496000	8.00	25.80	50.00	1,060	.00
03521500	37.50	34.00	44.80	2,580	1.00
03524000	86.90	42.00	43.90	2,490	1.01
03524500	25.90	81.00	47.60	2,520	1.05
03526000	44.70	35.00	45.50	2,100	1.01
03527000	148.00	50.00	45.30	2,300	1.02
03528000	199.00	53.30	45.00	2,130	.02
03528300	7.70	46.90	47.00	1,440	.00
03528400	1.80	98.00	46.00	1,370	.00
03529500	23.40	84.00	48.60	2,480	1.07
03531000	45.90	67.00	49.10	2,270	1.07
03531500	58.90	64.00	49.40	2,290	1.06
03532000	137.00	54.50	50.00	1,900	.03
03533000	280.00	48.40	47.00	1,880	.03
03535000	26.40	61.80	48.00	1,200	.00
03537000	3.90	83.80	52.00	1,050	1.36
03538225	20.20	67.50	56.00	1,120	.00
03538250	12.65	24.20	52.00	910	.00
03538500	16.50	88.60	53.00	1,610	.00
03539500	28.70	79.20	52.00	1,830	.75
03539600	39.60	83.20	52.00	1,810	.50
03539800	56.30	90.40	52.00	1,680	.16
03540500	67.90	87.90	53.00	1,630	.11
03541500	19.10	96.20	53.00	1,580	.00
03543500	22.70	31.00	53.00	900	.00
03544500	12.90	86.20	58.00	1,790	.10
03565500	40.50	22.60	53.00	940	.00
03566420	7.80	51.20	53.00	900	.00
03567500	46.20	52.20	54.00	950	.00
03571000	89.20	73.80	56.00	1,390	.00
03572900	46.40	80.00	53.00	1,400	.00
03574500	41.50	90.00	54.00	1,060	1.00
03575000	30.70	40.00	51.00	930	1.00
03576148	32.80	65.00	52.00	850	1.00
03576250	26.50	20.00	50.00	800	1.00
03576400	21.60	30.00	52.00	820	1.00
03576500	24.20	50.00	53.00	860	1.00
03578000	15.50	84.60	58.00	1,660	.00
03579100	50.40	54.60	56.00	1,250	.02
03582000	116.00	40.90	55.00	1,040	.03
03584000	44.10	30.00	53.00	920	.02
03584500	168.00	30.80	54.00	930	.02
03585300	22.00	20.00	52.00	770	1.00
03586500	29.60	40.00	52.00	645	1.00
03589250	7.80	10.00	52.00	560	4.00
03590000	26.90	45.00	52.00	704	1.00
03591800	34.90	60.00	53.00	840	1.00
03592000	79.80	60.00	54.00	770	1.00
03592200	44.70	70.00	53.00	710	1.00
03592300	35.30	75.00	53.00	790	1.00
03592500	113.80	60.00	53.00	750	1.00



Table 1B--Basin characteristics - Interior Coal Province--(continued)

Station Number	Length (Miles)	Forest Cover (Percent)	Precipitation (Inches)	Elevation (Feet)	Storage (Percent)
03437500	17.40	11.00	47.00	600	.52
03438070	6.70	32.70	47.50	590	.00
05554000	23.00	.29	33.90	688	.29
05554500	54.25	2.28	33.90	703	.53
05555000	83.63	3.27	33.80	687	.28
05555500	103.48	4.26	33.70	683	.31
05556500	54.59	6.31	33.60	810	.65
05557000	22.54	4.98	34.00	732	.65
05557500	23.50	4.82	33.40	712	.28
05558000	71.69	10.50	33.70	737	.76
05558500	27.49	9.53	34.10	733	.25
05559000	4.81	21.62	34.00	642	.00
05559500	27.68	2.46	33.70	712	.00
05561000	6.72	37.80	35.40	729	2.00
05563000	22.18	18.75	34.80	708	.06
05563500	39.36	19.30	34.80	669	.02
05564400	25.78	3.00	37.00	821	.00
05564500	29.20	2.61	37.00	812	.00
05565000	6.74	.00	35.70	769	.00
05566000	3.11	.62	34.30	733	.00
05566500	8.47	.37	35.30	731	.00
05567000	13.59	.97	34.50	728	.00
05567500	69.18	4.83	35.00	757	.56
05568000	113.29	6.50	35.70	733	.39
05568800	26.67	3.00	35.00	759	.00
05569500	100.49	8.10	34.50	725	.40
05570000	129.28	14.35	34.50	704	.40
05571000	56.41	1.83	35.50	795	.11
05572000	80.04	2.06	36.40	764	.09
05574000	4.89	.04	37.70	693	.00
05574500	47.49	3.11	37.70	637	.10
05575500	51.07	4.14	37.40	634	.05
05576000	84.82	4.49	36.90	626	.06
05576500	164.83	3.71	37.60	666	.43
05577500	29.37	1.72	36.20	623	.00
05578500	53.80	14.26	37.20	758	.00
05579500	37.00	1.31	37.30	634	.00
05580000	36.08	1.90	37.00	803	.00
05580500	54.48	2.82	36.50	764	.00
05581500	42.77	5.20	36.70	713	.00
05582000	114.68	5.68	37.30	687	.00
05582500	4.30	.00	34.90	532	.00
05584400	12.57	—	36.00	670	.00
05584500	63.51	15.87	35.30	670	.17
05585000	112.39	23.48	35.00	645	.08
05586000	13.16	4.43	35.80	642	.30
05586500	3.30	5.16	37.00	654	.00
05586800	14.99	18.00	38.00	661	.00
05587000	82.06	17.82	38.20	605	.49
05588000	20.89	13.73	38.40	527	.43
05589500	10.93	25.42	38.20	546	.71
05590000	5.51	.63	36.50	744	1.00
05590400	23.59	.00	39.00	710	.00
05590500	30.27	1.77	37.00	706	.07
05591500	4.20	.50	38.70	674	.00
05592000	106.78	6.52	38.50	685	.01
05592300	16.56	6.00	39.00	625	.00
05592500	169.37	12.80	39.00	644	.23
05593000	224.50	16.40	39.00	615	2.27
05593600	6.83	—	38.00	637	.00
05593900	20.20	5.00	38.00	681	.00
05594000	89.91	22.22	38.50	596	.57
05595500	9.14	22.02	38.90	504	1.57
05595800	7.43	26.00	42.00	542	2.00
05596000	63.72	19.13	40.60	481	.87
05597000	75.02	20.41	40.60	475	4.41
05597500	11.56	27.19	43.20	489	1.48
05599000	51.44	25.30	41.00	484	.74
05599500	122.88	20.91	40.70	467	4.14
05600000	17.92	21.15	46.10	486	.42

Table 1B—Basin characteristics - Interior Coal Province—(continued)

Station Number	Length (Miles)	Forest Cover (Percent)	Precipitation (Inches)	Elevation (Feet)	Storage (Percent)
03308500	156.40	47.00	50.00	850	0.07
03309000	184.90	44.00	50.00	850	.09
03310300	46.30	10.00	48.00	750	.02
03310500	91.40	23.00	50.00	750	.22
03311000	100.10	25.00	50.00	750	.21
03311500	200.50	41.00	50.00	800	.12
03312000	7.70	36.00	49.00	650	.13
03314500	120.20	20.00	50.00	750	.30
03315000	139.70	30.00	48.10	740	.00
03316000	24.40	20.00	48.00	600	.20
03317000	39.80	31.00	47.00	700	.09
03317500	11.30	43.00	47.00	700	.17
03318000	66.00	33.00	47.00	700	.09
03318200	6.30	32.00	47.00	650	.15
03318500	73.30	33.00	47.00	700	.10
03318800	29.60	31.00	48.00	600	.15
03319000	93.50	33.00	47.00	650	.11
03320500	40.30	41.00	47.00	600	.08
03321350	19.50	56.00	44.20	550	.30
03329400	4.50	4.00	37.02	665	.00
03329700	50.30	6.20	37.40	756	.10
03332300	11.10	5.30	39.10	733	.00
03332400	19.10	13.40	39.90	792	.06
03334000	83.50	9.10	37.40	790	.32
03334500	48.80	8.30	37.50	842	.16
03335000	102.00	9.30	37.30	811	.22
03335690	9.60	.10	36.15	757	.00
03335700	48.50	3.20	36.40	948	.08
03336500	12.77	1.56	35.30	731	.00
03336900	24.28	.00	37.00	709	.00
03337000	3.73	2.00	37.00	754	.00
03337500	14.52	3.53	36.30	746	1.00
03338000	44.60	1.98	35.90	708	.00
03338500	77.15	4.84	35.00	712	1.00
03339000	86.39	4.97	37.00	710	.34
03339108	11.50	4.00	39.06	746	.10
03339120	35.10	7.00	39.26	631	.00
03339150	46.00	7.00	39.87	652	.00
03339500	51.20	6.00	38.30	862	.12
03340000	72.00	7.50	38.60	845	.10
03340800	35.90	7.00	39.40	864	.00
03341200	29.10	23.80	40.50	713	.00
03342150	10.30	15.00	42.12	536	.50
03343400	27.27	2.00	38.00	665	.00
03344500	4.58	1.54	39.20	647	.00
03345500	138.79	12.31	38.50	638	.29
03346000	51.21	12.22	39.00	598	.00
03357000	203.00	18.40	39.20	705	.62
03357350	4.46	5.00	40.30	883	.10
03357500	58.80	24.30	40.00	827	.12
03358000	29.50	14.20	39.90	782	.03
03359500	18.30	55.70	40.60	786	.47
03360500	253.00	23.00	40.10	704	.63
03372700	13.70	31.10	43.60	633	.49
03373000	58.20	66.90	43.20	700	3.50
03373200	17.20	38.50	43.60	744	.26
03373700	53.10	38.50	43.60	702	.40
03375800	8.82	24.00	44.89	528	.00
03376260	8.30	10.00	43.60	484	1.50
03376300	122.90	39.10	42.30	578	.32
03378000	36.26	15.19	41.30	462	1.00
03378550	18.60	11.40	42.30	445	.61
03378900	83.92	20.00	41.70	596	1.00
03379500	114.10	21.39	40.60	544	.38
03380350	31.86	26.00	42.00	547	2.00
03380475	26.38	18.00	42.00	531	.00
03380500	59.52	26.13	42.00	506	1.00
03381500	207.10	19.49	40.50	481	.14
03383000	53.30	78.00	45.00	550	.61
03384000	2.20	5.00	45.00	400	.48

Table 1B--Basin characteristics - Interior Coal Province--(continued)

Site Number	Station Number	Station Name	Hydrologic Unit Code	Latitude	Longitude	Drainage Area (Square miles)	Slope (Feet/mile)
71	03437500	SOUTH FORK LITTLE RIVER AT HOPKINSVILLE, KY	05130205	365022	0872852	46.50	7.10
72	03438070	MUDDY FORK LITTLE RIVER NR CERULEAN, KY	05130205	365840	0874236	30.50	20.00
73	05554000	NORTH FORK VERMILION RIVER NR CHARLOTTE, IL	07130002	405008	0881758	186.00	5.39
74	05554500	VERMILION RIVER AT PONTIAC, IL	07130001	405240	0883810	579.00	1.11
75	05555000	VERMILION RIVER AT STREATOR, IL	07130002	410535	0885005	1,080.00	1.27
76	05555500	VERMILION RIVER AT LOWELL, IL	07130002	411519	0890044	1,280.00	1.43
77	05556500	BIG BUREAU CREEK AT PRINCETON, IL	07130001	412155	0892955	196.00	6.07
78	05557000	WEST BUREAU CREEK AT WYANET, IL	07130001	412154	0893408	86.70	9.03
79	05557500	EAST BUREAU CREEK NR BUREAU, IL	07130001	412006	0892253	99.00	12.72
80	05558000	BIG BUREAU CREEK AT BUREAU, IL	07130001	411640	0892300	485.00	6.28
81	05558500	CROW CREEK (WEST) NR HENRY, IL	07130001	410900	0892500	56.20	10.24
82	05559000	GIMLET CREEK AT SPARLAND, IL	07130001	410135	0892620	5.66	53.86
83	05559500	CROW CREEK NR WASHBURN, IL	07130001	405715	0891830	115.00	6.07
84	05561000	ACKERMAN CREEK AT FARMDALE, IL	07130001	403943	0893013	11.20	39.86
85	05563000	KICKAPOO CREEK NR KICKAPOO, IL	07130003	404800	0894800	119.00	10.93
86	05563500	KICKAPOO CREEK AT PEORIA, IL	07130003	404052	0893919	297.00	7.50
87	05564400	MONEY CREEK NR TOWANDA, IL	07130004	403619	0885356	49.00	5.25
88	05564500	MONEY CREEK ABOVE LAKE BLOOMINGTON, IL	07130004	403713	0885459	53.10	4.91
89	05565000	HICKORY CREEK ABOVE LAKE BLOOMINGTON, IL	07130004	403815	0885700	9.81	11.88
90	05566000	EAST BRANCH PANTHER CREEK NR GRIDLEY, IL	07130004	404600	0885435	6.30	11.14
91	05566500	EAST BRANCH PANTHER CREEK AT EL PASO, IL	07130004	404515	0890020	30.50	4.54
92	05567000	PANTHER CREEK NR EL PASO, IL	07130004	404605	0890430	93.90	4.22
93	05567500	MACKINAW RIVER NR CONGERVILLE, IL	07130004	403725	0891430	767.00	2.27
94	05568000	MACKINAW RIVER NR GREEN VALLEY, IL	07130004	402643	0893910	1,090.00	2.48
95	05568800	INDIAN CREEK NR WYOMING, IL	07130005	410106	0895007	62.70	6.44
96	05569500	SPOON RIVER AT LONDON MILLS, IL	07130005	404251	0901600	1,060.00	2.27
97	05570000	SPOON RIVER AT SEVILLE, IL	07130005	402910	0902034	1,640.00	1.98
98	05571000	SANGAMON RIVER AT MAHOMET, IL	07130006	401130	0882400	362.00	3.59
99	05572000	SANGAMON RIVER AT MONTICELLO, IL	07130006	400151	0883520	550.00	2.75
100	05574000	SOUTH FORK SANGAMON RIVER NR NOKOMIS, IL	07130007	392112	0891505	11.00	18.80
101	05574500	FLAT BRANCH NR TAYLORVILLE, IL	07130007	393314	0891512	276.00	2.01
102	05575500	SOUTH FORK SANGAMON RIVER AT KINCAID, IL	07130007	393444	0892331	562.00	2.01
103	05576000	SOUTH FORK SANGAMON RIVER NR ROCHESTER, IL	07130007	394432	0893402	867.00	1.32
104	05576500	SANGAMON RIVER AT RIVERTON, IL	07130008	395034	0893252	2,620.00	1.48
105	05577500	SPRING CREEK AT SPRINGFIELD, IL	07130008	394857	0894157	107.00	5.39
106	05578500	SALT CREEK NR ROWELL, IL	07130009	400654	0890257	335.00	2.59
107	05579500	LAKE FORK NR CORNLAND, IL	07130009	395700	0892310	214.00	4.65
108	05580000	KICKAPOO CREEK AT WAYNESVILLE, IL	07130009	401520	0890740	227.00	6.23
109	05580500	KICKAPOO CREEK NR LINCOLN, IL	07130009	401130	0892140	306.00	5.12
110	05581500	SUGAR CREEK NR HARTSBURG, IL	07130009	401320	0892412	333.00	5.76
111	05582000	SALT CREEK NR GREENVIEW, IL	07130009	400801	0894408	1,800.00	2.22
112	05582500	CRANE CREEK NR EASTON, IL	07130008	401446	0895140	26.50	2.16
113	05584400	DROWNING FORK AT BUSHNELL, IL	07130010	403345	0903123	26.30	5.76
114	05584500	LA MOINE RIVER AT COLMAR, IL	07130010	401945	0905355	655.00	3.70
115	05585000	LA MOINE RIVER AT RIPLEY, IL	07130010	400131	0903755	1,290.00	1.85
116	05586000	N F MAUVAISE TERRE CREEK NR JACKSONVILLE, IL	07130011	394538	0900807	29.10	9.03
117	05586500	HURRICANE CREEK NR ROODHOUSE, IL	07130011	392920	0902500	2.30	24.29
118	05586800	OTTER CREEK NR PALMYRA, IL	07130012	392242	0895650	61.10	11.30
119	05587000	MACOUPIN CREEK NR KANE, IL	07130012	391403	0902340	868.00	2.32
120	05588000	INDIAN CREEK AT WANDA, IL	07140101	385030	0900159	36.70	7.92
121	05589500	CANTEEN CREEK AT CASEYVILLE, IL	07140101	383835	0900100	22.60	11.09
122	05590000	KASKASKIA DITCH AT BONDVILLE, IL	07140201	400647	0882055	12.40	17.16
123	05590400	KASKASKIA RIVER NR PESOTUM, IL	07140201	395244	0882235	109.00	2.46
124	05590500	KASKASKIA RIVER AT FICKLIN, IL	07140201	394800	0882155	126.00	2.22
125	05591500	ASA CREEK AT SULLIVAN, IL	07140201	393711	0883617	8.05	5.23
126	05592000	KASKASKIA RIVER AT SHELBYVILLE, IL	07140201	392425	0884650	1,050.00	1.43
127	05592300	WOLF CREEK NR BEECHER CITY, IL	07140202	390930	0884820	47.90	6.60
128	05592500	KASKASKIA RIVER AT VANDALIA, IL	07140202	385735	0890520	1,940.00	1.37
129	05593000	KASKASKIA RIVER AT CARLYLE, IL	07140202	383642	0892122	2,720.00	1.27
130	05593600	BLUE GRASS CREEK NR RAYMOND, IL	07140203	391607	0893202	17.30	4.28
131	05593900	EAST FORK SHOAL CREEK NR COFFEEN, IL	07140203	390856	0892108	55.50	5.54
132	05594000	SHOAL CREEK NR BREESE, IL	07140203	383635	0892940	735.00	2.32
133	05595500	MARYS RIVER NR SPARTA, IL	07140105	380629	0893856	17.80	9.77
134	05595800	SEVENMILE CREEK NR MT. VERNON, IL	07140106	381910	0885050	21.10	14.52
135	05596000	BIG MUDDY RIVER NR BENTON, IL	07140106	375940	0885830	502.00	1.80
136	05597000	BIG MUDDY RIVER AT PLUMFIELD, IL	07140106	375405	0890050	794.00	1.53
137	05597500	CRAB ORCHARD CREEK NR MARION, IL	07140106	374352	0885321	31.70	8.08
138	05599000	BEAUCOUP CREEK NR MATTHEWS, IL	07140106	375800	0892100	292.00	2.64
139	05599500	BIG MUDDY RIVER AT MURPHYSBORO, IL	07140106	374455	0892045	2,160.00	1.00
140	05600000	BIG CREEK NR WETAUG, IL	07140108	371900	0890755	32.20	11.30



Table 1B--Basin characteristics - Interior Coal Province

Site Number	Station Number	Station Name	Hydrologic Unit Code	Latitude	Longitude	Drainage Area (Square miles)	Slope (Feet/ mile)
1	03308500	GREEN RIVER AT MUNFORDVILLE, KY	05110001	371605	0855310	1,670.00	2.80
2	03309000	GREEN RIVER AT MAMMOTH CAVE, KY	05110001	371043	0860646	1,980.00	2.50
3	03310300	NOLIN RIVER AT WHITE MILLS, KY	05110001	373303	0860243	237.00	4.20
4	03310500	NOLIN RIVER AT WAX, KY	05110001	372043	0860721	380.00	2.60
5	03311000	NOLIN RIVER AT KYROCK, KY	05110001	371627	0861503	484.00	2.60
6	03311500	GREEN RIVER AT LOCK 6, AT BROWNSVILLE, KY	05110001	371225	0861540	2,760.00	2.30
7	03312000	BEAR BRANCH NR LEITCHFIELD, KY	05110001	372536	0861645	30.80	26.80
8	03314500	BARREN RIVER AT BOWLING GREEN, KY	05110002	370004	0862551	1,360.00	2.60
9	03315000	BARREN RIVER AT L 1 A GREENCASTLE, KY	05110002	370510	0863010	1,970.00	2.10
10	03316000	MUD RIVER NR LEWISBURG, KY	05110003	370015	0865426	81.50	7.10
11	03317000	ROUGH RIVER NR MADRID, KY	05110004	373531	0861946	158.00	4.90
12	03317500	NORTH FORK ROUGH RIVER NR WESTVIEW, KY	05110004	374132	0862329	23.00	16.20
13	03318000	ROUGH RIVER NR FALLS OF ROUGH, KY	05110004	373633	0862947	345.00	3.30
14	03318200	ROCK LICK CREEK NR GLEN DEAN, KY	05110004	373924	0863343	20.10	31.30
15	03318500	ROUGH RIVER AT FALLS OF ROUGH, KY	05110004	373520	0863305	394.00	2.90
16	03318800	CANEY CREEK NR HORSE BRANCH, KY	05110004	372750	0863920	124.00	3.00
17	03319000	ROUGH RIVER NR DUNDEE, KY	05110004	373251	0864318	636.00	2.30
18	03320500	POND RIVER NR APEX, KY	05110006	370720	0871910	194.00	2.70
19	03321350	SOUTH FORK PANTHER CREEK NR WHITESVILLE, KY	05110005	373708	0865315	58.20	7.50
20	03329400	RATTLESNAKE CREEK NR PATTON, IN	05120105	404246	0864149	6.83	8.80
21	03329700	DEER CREEK NR DELPHI, IN	05120105	403525	0863715	274.00	5.60
22	03332300	LITTLE INDIAN CREEK NR ROYAL CENTER, IN	05120106	405253	0863526	35.00	7.10
23	03332400	BIG MONON CREEK NR FRANCESVILLE, IN	05120106	405903	0865143	152.00	2.40
24	03334000	WILDCAT CREEK AT OWASCO, IN	05120107	402750	0863815	396.00	3.30
25	03334500	SOUTH FORK WILDCAT CREEK NR LAFAYETTE, IN	05120107	402504	0864605	243.00	7.10
26	03335000	WILDCAT CREEK NR LAFAYETTE, IN	05120203	402626	0864945	794.00	3.50
27	03335690	MUD PINE CREEK NR OXFORD, IN	05120108	403124	0872030	39.40	9.03
28	03335700	BIG PINE CR NR WILLIAMSPORT IN	05120108	401903	0871726	323.00	4.40
29	03336500	BLUEGRASS CREEK AT POTOMAC, IL	05120109	401919	0874802	35.00	6.92
30	03336900	SALT FORK NR ST. JOSEPH, IL	05120109	400855	0880200	134.00	5.49
31	03337000	BONEYARD CREEK AT URBANA, IL	05120109	400640	0881335	4.46	12.51
32	03337500	SALINE BRANCH AT URBANA, IL	05120109	400712	0881141	68.00	2.59
33	03338000	SALT FORK NR HOMER, IL	05120109	400320	0875730	340.00	3.01
34	03338500	VERMILION RIVER NR CATLIN, IL	05120109	400609	0874258	958.00	3.12
35	03339000	VERMILION RIVER NR DANVILLE, IL	05120109	400553	0873537	1,290.00	3.22
36	03339108	EAST FORK COAL CREEK NR HILLSBORO, IN	05120108	400606	0870754	33.40	11.60
37	03339120	COAL CREEK AT COAL CREEK, IN	05120108	400142	0872230	214.00	8.40
38	03339150	LITTLE VERMILION RIVER NR NEWPORT, IN	05120108	395332	0872542	237.00	1.74
39	03339500	SUGAR CREEK AT CRAWFORDSVILLE, IN	05120110	400256	0865358	509.00	5.30
40	03340000	SUGAR CREEK NR BYRON, IN	05120110	395552	0870733	670.00	5.40
41	03340800	BIG RACCOON CREEK NR FINCASTLE, IN	05120108	394845	0865714	139.00	7.20
42	03341200	LITTLE RACCOON CREEK NR CATLIN, IN	05120108	394038	0871338	133.00	11.40
43	03342150	WEST FORK BUSSEY CREEK NR HYMER, IN	05120111	391110	0871944	14.40	12.90
44	03343400	EMBARRAS RIVER NR CAMARGO, IL	05120112	394730	0881110	186.00	2.96
45	03344500	RANGE CREEK NR CASEY, IL	05120112	391936	0880146	7.61	15.73
46	03345500	EMBARRAS RIVER AT STE. MARIE, IL	05120112	385610	0880110	1,520.00	1.58
47	03346000	NORTH FORK EMBARRAS RIVER NR OBLONG, IL	05120112	390001	0875642	319.00	4.33
48	03357000	WHITE RIVER AT SPENCER, IN	05120202	391649	0864542	2,990.00	2.80
49	03357350	PLUM CREEK NR BAINBRIDGE, IN	05120203	394542	0864346	3.00	24.20
50	03357500	BIG WALNUT CREEK NR REELSVILLE, IN	05120203	393211	0865835	326.00	6.60
51	03358000	MILL CREEK NR CATARACT, IN	05120203	392600	0864548	245.00	5.80
52	03359500	DEER CREEK NR PUTNAMVILLE, IN	05120203	393404	0865200	59.00	12.60
53	03360500	WHITE RIVER AT NEWBERRY, IN	05120202	385542	0870100	4,690.00	2.40
54	03372700	CLEAR CREEK NR HARRODSBURG, IN	05120208	390203	0863401	48.00	19.10
55	03373000	SALT CREEK NR PEERLESS, IN	05120208	385636	0863036	573.00	2.00
56	03373200	INDIAN CREEK NR SPRINGVILLE, IN	05120208	385701	0864030	61.00	12.50
57	03373700	LOST RIVER NR WEST BADEN SPRINGS, IN	05120208	383510	0863803	287.00	6.10
58	03375800	HALL CREEK NR ST. ANTHONY, IN	05120209	382145	0864943	21.80	18.20
59	03376260	FLAT CREEK NR OTWELL, IN	05120209	382612	0870752	21.00	6.40
60	03376300	PATOKA RIVER AT WINSLOW, IN	05120209	382248	0871300	603.00	1.30
61	03378000	BONPAS CREEK AT BROWNS, IL	05120113	382311	0875832	228.00	2.85
62	03378550	BIG CREEK NR WADESVILLE, IN	05120113	380458	0874610	104.00	3.80
63	03378900	LITTLE WABASH RIVER AT LOUISVILLE, IL	05120114	384623	0882950	745.00	2.66
64	03379500	LITTLE WABASH RIVER BELOW CLAY CITY, IL	05120114	383805	0881750	1,130.00	2.01
65	03380350	SKILLET FORK NR IUKA, IL	05120115	383110	0884339	208.00	2.78
66	03380475	HORSE CREEK NR KEENES, IL	05120115	382234	0883944	97.20	4.07
67	03380500	SKILLET FORK AT WAYNE CITY, IL	05120115	382125	0883500	464.00	1.90
68	03381500	LITTLE WABASH RIVER AT CARM, IL	05120114	380340	0880935	3,100.00	1.16
69	03383000	TRADEWATER RIVER AT OLNEY, KY	05140205	371326	0874653	246.00	2.00
70	03384000	ROSE CREEK AT NEBO, KY	05140205	372258	0873759	2.10	28.80

## Basin Characteristics

Drainage-basin characteristics used in the regression equations can be determined from the U.S. Geological Survey's 7.5-minute topographic maps and from plate 2 of this report. The characteristics are given in tables 1A and 1B for each station and are described as follows:

- (1) Drainage area (AREA), in square miles, is the area that contributes directly to surface runoff. This area can be planimeted from topographic maps.
- (2) Main channel slope (SLOPE), in feet per mile, is the difference in elevation at points 10 and 85 percent of the distance along the channel from a reference site, such as a gaging station, to the basin rim, divided by the channel distance between the two points. (3)
- (3) Main channel length (LENGTH), in miles, is the length of the channel from the gaging station to the basin divide, which can be determined from topographic maps.
- (4) Forest cover (FOREST) as shown by a green tint on Geological Survey maps, is expressed as a percentage of the drainage area. It can be determined by the method of counting intersections on a superimposed grid.
- (5) Mean annual precipitation (PRECIP), in inches, is determined for the centroid of the drainage basin from corresponding isohyets shown on plate 2 (U.S. Dept. of Commerce, 1974).
- (6) Mean basin elevation (ELEV), in feet above National Geodetic Vertical Datum of 1929, is determined by averaging the elevations at the intersections of a grid that has been superimposed on a topographic map. The grid spacing is selected so that at least 25 intersections fall within the basin boundary.
- (7) Storage (STORAGE), expressed as a percentage of the drainage area, includes lakes, ponds, and wetlands shown on topographic maps.

### Flow Characteristics

Streamflow characteristics used in the regression analyses are listed in tables 2A through 2I and are described as follows:

- (1) Peak flows corresponding to the 2-, 5-, 10-, 25-, 50-, and 100-year recurrence-interval flood discharge.
  - (2) Mean monthly and annual flows.
  - (3) Flows that have 10-, 25-, 50-, 70-, 75-, 90-, and 95-percent probabilities of exceedance as daily means.
  - (4) Flow volumes corresponding to 2-, 10-, 25-, 50-, and 100-year recurrence intervals for 3-, 7-, 15-, and 30-day high-flow averages of daily means.
  - (5) Low-flows corresponding to 2-, 5-, 10-, and 20-year recurrence intervals for 3- and 7-day low-flow averages of daily means.
- All flows are expressed in cubic feet per second (ft<sup>3</sup>/s).

### TECHNIQUES FOR ESTIMATING STREAMFLOW CHARACTERISTICS

A relatively small sample of streams are gaged. Consequently, data is not available for many sites for which information is needed. The procedure adopted for this study involved the development of regional regression equations to relate flow characteristics to easily measured basin characteristics. The relations provide a means of estimating streamflow characteristics at ungaged sites. These relations may also provide improved estimates at gaged sites with short or disrupted periods of record.

### Regression Models

In this study, the multiple-linear-regression technique is used to formulate a relationship between observed values for streamflow characteristics and values of easily-measured basin characteristics for a sample of gaged sites.

The general form of a multiple-linear regression is:

$$Y = a + b_1X_1 + b_2X_2 + \dots + b_nX_n \quad (1)$$

where Y is a streamflow characteristic (dependent variable, for example, mean monthly streamflow for October),  $X_1$  to  $X_n$  are basin characteristics (independent variables), a is a regression constant, and  $b_1$  to  $b_n$  are regression coefficients.



Table 2A.--Peak flow statistics - Eastern Coal province

PN - annual flood peak, in cubic feet per  
second, of "N"-year recurrence interval

STATION NUMBER	P2	P5	P10	P25	P50	P100
01516500	759	1,430	2,040	3,020	3,940	5,040
01517000	625	1,080	1,460	2,050	2,560	3,140
01518000	10,400	18,100	24,700	35,100	44,600	55,600
01518500	3,910	6,380	8,320	11,100	13,500	16,100
01520000	10,600	18,200	24,300	33,500	41,500	50,300
01541000	7,670	11,200	14,000	18,100	21,500	25,400
01541308	289	458	591	786	950	1,130
01541500	7,830	11,100	13,500	16,700	19,100	21,800
01542000	1,350	2,160	2,790	3,700	4,460	5,290
01542500	28,600	44,400	56,400	73,400	87,300	102,000
01546000	6,830	10,200	12,700	16,200	19,100	22,200
01546500	610	1,060	1,490	2,240	3,000	3,970
01547100	1,100	2,130	3,070	4,610	6,050	7,780
01547200	4,560	7,350	9,570	12,800	15,600	18,700
01547500	4,030	6,330	8,130	10,700	13,000	15,400
01547700	1,120	1,970	2,700	3,840	4,860	6,030
01547800	319	545	733	1,020	1,260	1,540
01547950	2,200	4,600	6,930	10,900	14,800	19,600
01548000	9,940	14,400	17,400	21,400	24,400	27,500
01556000	6,500	10,100	13,100	17,400	21,000	25,200
01556500	2,530	4,050	5,250	7,010	8,500	10,100
01557500	1,490	2,730	3,850	5,670	7,370	9,400
01558000	5,280	9,200	12,700	18,300	23,600	29,800
01559000	13,900	22,200	29,000	39,500	48,600	59,100
01559500	2,500	3,570	4,340	5,400	6,260	7,160
01595000	3,360	4,720	5,700	7,040	8,120	9,260
01595500	7,510	11,220	14,080	18,180	21,610	25,380
01595800	8,391	12,770	16,160	21,020	25,080	29,530
01596000	8,120	13,710	18,390	25,540	31,830	39,040
01596500	1,500	2,340	3,000	3,970	4,780	5,680
01597000	495	862	1,180	1,680	2,130	2,660
01598000	3,510	5,940	7,970	11,090	13,860	17,030
01599000	1,880	3,050	4,010	5,450	6,710	8,130
01600000	16,000	27,200	36,600	51,000	63,800	78,500
01601000	4,540	6,460	7,850	9,760	11,300	13,000
01601500	5,860	9,380	12,400	17,100	21,400	26,400
01603000	17,960	28,700	38,190	53,480	67,700	84,700
01603500	940	1,630	2,210	3,100	3,880	4,780
01609000	3,830	6,350	8,460	11,700	14,500	17,800
01609500	263	403	513	673	809	960
01610000	44,800	67,100	83,000	104,000	120,000	137,000
01610155	4,400	7,580	10,300	14,600	18,500	23,000
01612500	514	893	1,220	1,740	2,220	2,770
01613000	59,000	94,200	122,000	162,000	196,000	233,000
01614500	7,570	11,400	14,400	19,000	22,900	27,400
01617800	109	189	259	371	474	596
01618000	74,000	113,000	142,000	182,000	215,000	250,000
01619000	1,420	2,600	3,670	5,430	7,090	9,110
01619500	2,510	4,480	6,250	9,130	11,800	15,000
01620500	719	1,500	2,290	3,720	5,180	7,070
01622000	7,270	12,500	16,900	23,900	30,100	37,300
01624300	4,900	7,220	9,030	11,700	13,900	16,300
01625000	5,960	10,300	13,700	18,400	22,200	26,200
01626000	2,940	6,330	9,780	16,000	22,300	30,500
01627500	5,500	11,200	16,400	24,900	32,900	42,400
01628500	17,100	31,200	43,200	61,600	77,900	96,500
01629500	19,600	37,100	53,200	79,400	104,000	133,000
01631000	21,000	39,500	56,000	82,200	106,000	134,000
01632000	8,400	15,000	20,200	27,900	34,200	41,200
01632900	1,920	3,930	5,930	9,490	13,100	17,600
01633000	9,800	16,500	22,300	31,200	39,200	48,500
01633500	1,990	3,780	5,460	8,270	11,000	14,300
01634000	10,800	19,700	28,100	42,400	56,200	73,200
01634500	2,450	5,290	8,290	13,900	19,900	27,700
01635500	2,280	4,740	7,260	11,900	16,700	22,900
02011500	6,090	8,300	9,900	12,100	12,800	15,700
02012500	10,400	15,800	19,800	25,400	29,900	34,700
02013000	4,720	7,450	9,530	12,500	14,900	17,400
02014000	3,660	5,830	7,570	10,100	12,300	14,700
02016000	10,300	15,400	19,400	25,400	30,400	36,000

Table 2A.--Peak flow statistics - Eastern Coal province--(continued)

STATION NUMBER	PN - annual flood peak, in cubic feet per second, of "N"-year recurrence interval					
	P2	P5	P10	P25	P50	P100
02016500	29,500	46,200	58,600	75,700	89,300	104,000
02017500	2,900	4,410	5,540	7,120	8,410	9,800
02018000	7,390	10,900	13,600	17,400	20,500	23,900
02018500	1,410	2,400	3,260	4,620	5,860	7,310
02019000	2,890	5,370	7,680	11,600	15,300	19,800
02019500	37,800	56,600	70,300	88,900	104,000	119,000
02020500	5,660	9,800	13,300	18,800	23,600	29,300
02021000	6,750	11,500	15,700	22,300	28,300	35,400
02021500	9,450	15,000	19,400	25,700	31,100	37,100
02022500	2,150	4,590	7,100	11,700	16,300	22,400
02023000	9,610	14,800	18,700	24,200	28,800	33,700
02023500	2,680	6,680	11,300	20,800	31,500	46,400
02024000	11,500	17,800	23,100	31,400	38,800	47,300
02024500	18,300	29,100	38,100	51,800	63,900	77,900
02444000	2,140	3,940	5,460	7,770	9,790	12,100
02444500	56,900	86,900	109,000	139,000	162,000	187,000
02445000	3,200	3,660	4,920	6,940	8,780	11,000
02445500	6,960	10,800	13,300	16,282	18,400	20,500
02446000	9,950	15,600	19,900	25,800	30,600	35,800
02446500	8,340	13,900	18,300	24,500	29,600	35,300
02447000	7,690	13,100	17,400	23,700	29,200	35,200
02448500	12,400	20,200	27,200	39,000	50,200	63,800
02450000	24,800	32,300	37,000	42,600	46,600	50,600
02450200	1,090	1,850	2,440	3,270	3,970	4,670
02450250	7,770	12,100	15,300	19,600	23,000	26,600
02450500	21,600	30,300	36,300	44,000	49,900	55,900
02451000	5,100	7,450	9,080	11,200	12,800	14,500
02453000	3,760	5,560	6,850	8,590	9,960	11,400
02453500	38,500	53,800	62,400	71,600	77,500	82,700
02454000	4,900	7,560	9,670	12,800	15,400	18,400
02454200	3,980	5,960	7,450	9,560	11,300	13,200
02455000	11,900	18,800	24,100	31,500	37,700	44,300
02455500	23,200	33,700	41,300	51,800	60,100	68,900
02456000	6,170	9,020	10,900	13,200	14,900	16,500
02456500	23,000	33,200	40,000	48,500	54,800	61,100
02460500	5,920	8,810	10,900	13,700	16,000	18,300
02462600	768	1,220	1,550	2,000	2,370	2,730
02462800	2,160	3,010	3,600	4,380	4,980	5,590
02463500	5,000	7,520	9,370	11,900	13,900	16,100
02464000	7,970	11,000	13,200	16,300	18,700	21,400
02464500	10,100	13,200	15,300	17,900	19,800	21,700
02465500	1,710	3,190	4,400	6,180	7,680	9,330
02466500	13,400	24,100	33,100	47,100	59,400	73,500
02467500	7,580	14,100	19,800	28,800	37,000	46,500
03008000	399	765	1,080	1,580	2,020	2,520
03010500	7,310	12,700	17,600	25,900	33,800	43,500
03011800	1,240	2,430	3,460	5,060	6,470	8,090
03015000	8,540	11,600	13,700	16,200	18,000	19,900
03015280	490	611	684	771	833	893
03015500	7,150	9,900	11,700	14,100	15,800	17,600
03016000	50,700	70,500	83,800	101,000	113,000	126,000
03017500	5,780	8,710	10,800	13,700	15,900	18,200
03019000	9,070	12,000	13,900	16,300	18,000	19,700
03020500	7,720	10,700	12,800	15,500	17,600	19,700
03021500	6,930	10,200	12,500	15,600	17,900	20,300
03021700	282	418	512	633	725	817
03022500	10,900	14,700	17,200	20,300	22,600	24,800
03023000	1,590	2,140	2,490	2,940	3,260	3,590
03023500	16,300	22,100	25,800	30,400	33,800	37,100
03024000	14,100	18,300	20,900	24,000	26,300	28,500
03025000	5,250	7,320	8,670	10,300	11,600	12,800
03025200	247	449	611	848	1,050	1,260
03026500	432	757	1,020	1,410	1,750	2,120
03028000	2,100	3,290	4,170	5,400	6,390	7,440
03029000	9,900	15,600	19,900	25,800	30,500	35,500
03029400	317	483	604	767	896	1,030
03029500	17,800	26,200	32,300	40,600	47,100	54,000
03031950	487	712	871	1,080	1,250	1,420
03032500	12,100	18,400	23,100	29,900	35,500	41,500
03034000	4,340	6,590	8,320	10,800	12,800	15,100

Table 2A.—Peak flow statistics - Eastern Coal province—(continued)

STATION NUMBER	PN - annual flood peak, in cubic feet per second, of "N"-year recurrence interval					
	P2	P5	P10	P25	P50	P100
03034500	3,060	4,280	5,130	6,230	7,080	7,940
03035000	7,590	10,200	12,000	14,300	16,100	17,900
03038000	5,140	7,520	9,280	11,700	13,700	15,800
03039200	124	188	237	306	364	427
03040000	10,600	16,800	22,100	30,500	38,100	47,100
03041000	5,470	8,940	11,900	16,500	20,600	25,400
03042000	6,690	10,600	13,800	18,600	22,700	27,300
03042200	387	550	666	822	945	1,070
03043000	11,400	17,400	22,200	29,100	34,900	41,500
03045000	6,130	9,490	12,100	15,900	19,200	22,700
03045500	6,820	10,700	13,700	17,900	21,500	25,400
03049000	4,150	6,120	7,520	9,420	10,900	12,500
03049800	287	594	872	1,320	1,720	2,200
03050000	6,380	8,670	10,300	12,400	14,000	15,700
03050500	7,150	9,490	11,100	13,200	14,900	16,600
03051500	4,760	7,040	8,740	11,100	13,100	15,200
03052000	5,330	7,370	8,810	10,700	12,200	13,800
03052500	714	1,050	1,300	1,650	1,930	2,240
03053500	7,390	9,630	11,000	12,700	13,800	15,000
03054500	21,200	28,000	32,400	37,800	41,800	45,900
03056500	31,100	42,600	50,700	61,400	69,800	78,400
03057500	1,320	1,740	2,020	2,390	2,670	2,950
03058000	3,250	4,410	5,200	6,250	7,050	7,880
03058500	6,060	8,480	10,100	12,300	14,000	15,700
03059000	9,780	12,800	14,800	17,100	18,800	20,500
03059500	2,590	4,370	5,810	7,960	9,800	11,900
03061000	17,400	24,400	29,100	35,700	39,700	44,200
03061500	5,090	6,900	8,110	9,650	10,800	12,000
03062400	509	811	1,050	1,380	1,670	1,980
03062500	1,600	2,570	3,330	4,430	5,350	6,370
03063600	310	465	584	753	894	1,050
03065000	12,300	18,100	22,500	28,900	34,200	40,000
03066000	2,420	3,540	4,390	5,570	6,540	7,590
03069000	8,510	11,500	13,700	16,700	19,100	21,600
03069500	23,700	32,600	38,600	46,400	52,300	58,300
03069880	1,280	1,940	2,440	3,160	3,740	4,380
03070000	32,700	44,600	52,500	62,600	70,200	77,800
03070500	7,360	10,400	12,800	16,100	18,800	21,800
03071000	42,000	62,800	78,400	100,000	118,000	137,000
03071500	45,300	68,300	85,400	109,000	128,000	149,000
03072000	6,850	9,870	12,000	14,800	17,000	19,200
03072590	667	996	1,240	1,570	1,850	2,130
03073000	6,140	8,510	10,100	12,100	13,600	15,100
03074500	2,260	3,490	4,430	5,780	6,890	8,090
03075500	4,210	6,350	7,970	10,230	12,090	14,100
03076600	1,590	2,250	2,740	3,400	3,920	4,480
03078000	2,160	3,110	3,820	4,830	5,650	6,540
03078500	1,000	1,780	2,460	3,550	4,540	5,710
03079000	11,500	16,500	20,500	26,400	31,500	37,300
03080000	4,410	6,220	7,480	9,130	10,400	11,700
03082200	731	1,030	1,250	1,540	1,770	2,010
03083000	249	442	609	871	1,110	1,380
03084000	417	734	991	1,370	1,700	2,060
03084500	2,240	3,400	4,270	5,450	6,390	7,390
03085500	5,120	7,710	9,560	12,000	13,900	15,900
03086100	644	1,040	1,340	1,760	2,110	2,470
03086500	2,430	3,890	4,980	6,450	7,620	8,840
03088000	1,060	1,400	1,620	1,880	2,070	2,250
03089500	966	1,350	1,600	1,920	2,150	2,380
03090500	5,240	7,640	9,250	11,300	12,800	14,400
03092000	1,230	1,800	2,180	2,680	3,060	3,450
03092090	862	1,300	1,600	1,980	2,270	2,560
03092500	2,610	3,790	4,580	5,600	6,370	7,140
03093000	2,420	3,480	4,170	5,010	5,620	6,220
03096000	1,570	2,450	3,070	3,890	4,520	5,170
03098500	1,570	2,630	3,440	4,570	5,490	6,470
03102950	1,280	1,590	1,770	1,990	2,140	2,280
03103000	2,880	4,200	5,060	6,140	6,920	7,690
03104000	8,420	12,700	15,700	19,600	22,500	25,500
03104760	176	249	299	361	409	456

Table 2A.--Peak flow statistics - Eastern Coal province--(continued)

STATION NUMBER	PN - annual flood peak, in cubic feet per second, of "N"-year recurrence interval					
	P2	P5	P10	P25	P50	P100
03106000	8,210	11,100	13,000	15,600	17,500	19,400
03106300	---	---	---	---	---	---
03106500	7,330	10,500	12,700	15,600	17,700	20,000
03108000	3,890	5,940	7,380	9,290	10,800	12,300
03109000	382	617	793	1,030	1,230	1,430
03109500	9,710	14,500	17,900	22,400	25,900	29,600
03110000	3,340	4,910	6,020	7,480	8,610	9,770
03111150	503	861	1,140	1,550	1,890	2,260
03111500	2,850	4,260	5,260	6,570	7,590	8,640
03112000	8,810	13,100	16,100	20,100	23,200	26,400
03113700	527	1,010	1,420	2,040	2,590	3,210
03114000	6,200	9,170	11,300	14,100	16,400	18,700
03114500	13,200	17,300	20,100	23,800	26,600	29,400
03114650	699	1,345	1,908	2,785	3,559	4,450
03115400	7,270	9,990	11,700	13,700	15,100	16,400
03116000	1,280	1,790	2,110	2,490	2,760	3,020
03116200	1,510	2,340	3,090	4,330	5,490	6,910
03117000	3,910	5,230	6,080	7,140	7,910	8,670
03117500	3,450	5,090	6,290	7,940	9,260	10,700
03118000	690	1,040	1,280	1,600	1,840	2,090
03119000	7,080	10,500	12,900	15,900	18,100	20,400
03122500	15,100	21,800	25,700	30,100	32,900	35,500
03125000	114	205	275	373	452	536
03130500	411	626	771	955	1,090	1,230
03134000	2,510	3,980	5,220	7,170	8,930	11,000
03136000	10,700	15,800	19,200	23,600	26,900	30,200
03136500	4,330	7,110	9,480	13,200	16,500	20,300
03137000	9,630	16,200	21,500	29,600	36,600	44,500
03138500	19,600	29,200	35,500	43,400	49,200	54,900
03139000	3,420	6,340	9,630	16,200	23,700	34,300
03140000	1,460	2,800	3,910	5,600	7,040	8,650
03142200	1,630	2,750	3,600	4,780	5,730	6,750
03144000	3,980	6,790	8,900	11,800	14,100	16,500
03146000	4,600	6,610	7,930	9,570	10,800	12,000
03146500	11,500	18,400	23,400	30,100	35,300	40,700
03147000	12,900	20,900	26,700	34,400	40,400	46,600
03147500	14,100	24,300	32,100	42,900	51,500	60,700
03149500	3,330	4,180	4,710	5,340	5,780	6,210
03151500	5,110	6,670	7,710	9,030	10,000	11,000
03152000	9,580	13,000	15,200	18,200	20,500	22,800
03152200	290	530	735	1,050	1,340	1,670
03152500	5,890	8,900	11,100	14,300	16,800	19,500
03153000	7,080	9,560	11,200	13,300	15,000	16,600
03153500	19,700	24,800	27,900	31,700	34,400	37,100
03154000	8,190	11,600	14,000	17,100	19,400	21,700
03154250	575	909	1,170	1,555	1,880	2,244
03154500	3,540	4,630	5,360	6,260	6,940	7,610
03155000	28,200	35,800	40,600	46,500	50,700	54,900
03155200	8,060	10,100	11,400	13,000	14,200	15,300
03155500	14,300	19,900	23,700	28,600	32,400	36,200
03157000	2,630	4,220	5,670	8,070	10,400	13,200
03157500	6,980	11,900	15,700	21,200	25,800	30,900
03159500	12,600	19,000	24,000	31,200	37,300	44,000
03159540	4,400	5,810	6,720	7,860	8,710	9,550
03177000	1,280	1,810	2,200	2,730	3,170	3,630
03177500	4,030	4,490	4,780	5,120	5,360	5,590
03178000	---	---	---	---	---	---
03178500	1,390	2,250	2,940	3,960	4,840	5,820
03179000	7,920	11,100	13,400	16,500	18,900	21,500
03179500	8,610	11,700	13,900	16,800	19,200	21,600
03180000	47,300	71,000	89,700	117,000	140,000	166,000
03180500	4,400	6,310	7,750	9,760	11,400	13,200
03181200	227	381	510	707	882	1,080
03181500	---	---	---	---	---	---
03182000	4,130	5,260	6,030	7,030	7,800	8,590
03182500	17,400	24,000	28,800	35,300	40,600	46,100
03183000	2,440	4,000	5,280	7,230	8,930	10,900
03183500	33,900	46,600	54,400	63,700	70,100	76,300
03184000	35,600	44,700	50,600	58,200	63,900	69,700
03184200	697	1,400	2,080	3,220	4,330	5,700



Table 2A.—Peak flow statistics - Eastern Coal province—(continued)

PN - annual flood peak, in cubic feet per  
second, of "N"-year recurrence interval

STATION NUMBER	P2	P5	P10	P25	P50	P100
03185000	1,160	1,850	2,410	3,230	3,920	4,700
03185500	92,000	127,000	153,000	187,000	214,000	242,000
03186000	94,100	150,000	192,000	253,000	303,000	357,000
03186500	7,420	10,200	12,100	14,800	16,900	19,000
03187000	11,100	15,700	19,100	23,800	27,700	31,700
03187500	4,310	5,740	6,740	8,070	9,100	10,200
03189000	8,480	13,300	17,200	23,200	28,400	34,300
03189100	25,800	36,300	43,900	54,300	62,600	71,400
03189500	24,300	34,400	42,000	52,500	61,200	70,400
03189650	167	265	344	458	556	664
03190000	5,940	8,000	9,410	11,200	12,700	14,100
03190400	10,400	15,300	18,900	24,000	28,100	32,500
03191500	2,330	3,710	4,810	6,410	7,760	9,250
03192000	41,700	58,000	69,600	85,200	97,400	110,000
03193830	172	275	373	523	659	813
03194000	—	—	—	—	—	—
03194700	12,300	16,700	19,800	24,000	27,200	30,600
03195000	11,100	13,700	15,300	17,300	18,900	20,400
03195600	817	1,070	1,240	1,470	1,640	1,810
03197000	27,500	37,500	44,400	53,500	60,600	67,900
03198450	326	550	733	1,000	1,230	1,490
03198500	10,200	16,300	21,100	27,900	33,600	39,800
03199000	9,110	16,000	21,600	30,000	37,200	45,300
03200500	20,400	29,500	35,900	44,400	51,100	58,100
03201000	6,660	9,500	11,400	14,000	15,900	17,800
03201410	1,320	1,620	1,810	2,040	2,210	2,380
03202000	6,350	9,410	11,600	14,700	17,100	19,600
03202400	9,840	20,400	30,600	47,900	64,700	85,200
03203000	19,200	29,200	36,600	46,600	54,600	63,000
03203600	21,800	33,100	40,300	49,000	55,100	61,000
03204000	22,000	32,100	38,900	47,700	54,300	61,000
03204500	6,090	8,830	10,700	13,300	15,200	17,200
03206500	—	—	—	—	—	—
03206600	1,630	2,240	2,660	3,210	3,620	4,050
03207000	6,460	10,100	12,800	16,600	19,600	22,700
03207020	6,520	10,200	12,900	16,600	19,600	22,700
03207500	10,300	17,000	22,000	28,900	34,500	40,400
03207800	12,311	26,054	39,267	61,675	83,209	109,507
03208000	12,200	17,600	21,100	25,500	28,600	31,700
03208500	14,000	23,700	31,100	41,200	49,300	57,800
03208950	2,670	4,790	6,590	9,370	11,800	14,600
03209000	9,670	15,000	19,000	24,600	29,200	34,100
03209500	28,900	43,300	52,200	62,500	69,700	76,400
03210000	2,720	4,220	5,290	6,740	7,880	9,070
03211500	3,870	6,510	8,530	11,300	13,600	16,100
03212000	5,380	9,540	12,900	17,700	21,700	26,100
03212500	33,700	49,100	59,700	73,500	83,900	94,600
03213000	12,400	18,200	22,400	27,900	32,300	36,800
03213500	1,430	2,590	3,590	5,150	6,540	8,140
03213700	21,500	39,000	53,800	76,600	96,600	120,000
03214000	23,300	38,200	49,500	65,500	78,500	92,400
03215000	48,200	72,100	89,100	112,000	129,000	147,000
03215500	6,220	9,490	11,800	15,000	17,500	20,000
03216500	9,960	14,000	16,400	19,100	20,800	22,500
03216800	5,220	7,550	9,140	11,200	12,700	14,300
03217000	7,490	12,000	15,200	19,600	23,000	26,600
03231000	8,940	16,400	22,300	30,800	37,900	45,500
03231500	41,500	67,000	85,500	110,000	130,000	150,000
03232000	5,180	9,140	12,200	16,400	19,800	23,500
03232500	6,430	9,370	11,300	13,800	15,600	17,500
03234000	20,300	31,700	40,100	51,500	60,500	69,900
03234500	48,900	79,100	102,000	133,000	158,000	184,000
03235000	1,010	1,650	2,140	2,820	3,370	3,960
03235500	129	238	327	456	563	681
03237280	939	1,790	2,470	3,410	4,170	4,980
03237500	21,800	31,800	38,700	47,500	54,100	60,800
03238500	9,920	13,700	16,200	19,300	21,600	23,800
03239000	1,490	3,130	4,520	6,570	8,290	10,200
03239500	437	940	1,370	2,010	2,550	3,150
03240000	2,830	5,490	7,610	10,600	13,000	15,600

Table 2A.—Peak flow statistics - Eastern Coal province--(continued)

STATION NUMBER	PN - annual flood peak, in cubic feet per second, of "N"-year recurrence interval					
	P2	P5	P10	P25	P50	P100
03240500	737	1,520	2,170	3,120	3,920	4,780
03241000	762	1,400	1,880	2,550	3,090	3,640
03241500	1,570	3,160	4,440	6,290	7,810	9,420
03242050	7,780	13,500	17,700	23,200	27,500	31,800
03242150	2,420	4,120	5,380	7,090	8,420	9,810
03242200	2,520	4,310	5,650	7,460	8,880	10,400
03242300	6,810	10,300	12,900	16,800	20,000	23,600
03242500	18,400	29,100	36,700	46,600	54,200	61,900
03244000	10,800	16,200	19,800	24,300	27,600	30,900
03245500	31,100	44,500	53,400	64,600	73,000	81,400
03246200	8,180	10,500	11,900	13,600	14,700	15,800
03246500	10,600	14,300	16,600	19,300	21,200	23,100
03247500	20,200	27,800	32,500	38,200	42,200	46,100
03248500	4,250	7,080	9,180	12,000	14,300	16,700
03249500	11,300	15,800	18,800	22,600	25,300	28,100
03250000	6,430	10,200	12,900	16,400	19,100	21,900
03250100	6,170	8,130	9,370	10,900	12,000	13,100
03255500	3,300	4,270	4,840	5,500	5,960	6,410
03258000	3,170	5,620	7,440	9,910	11,800	13,800
03277400	3,290	4,880	6,020	7,570	8,800	10,100
03277500	18,200	28,500	35,900	45,800	53,600	61,600
03278000	232	397	527	714	871	1,040
03278500	9,080	14,900	19,200	25,100	29,700	34,500
03280000	24,700	37,200	45,700	56,500	64,700	72,800
03280600	13,900	23,900	31,900	43,600	53,400	64,200
03280700	4,660	7,950	10,600	14,400	17,600	21,100
03281000	14,100	22,500	28,700	37,300	44,200	51,400
03281100	9,800	15,800	20,300	26,400	31,400	36,600
03281500	24,600	38,300	48,200	61,300	71,500	82,000
03282000	55,700	82,300	101,000	124,000	142,000	160,000
03282500	2,450	3,980	5,130	6,720	7,990	9,340
03283000	2,290	4,080	5,510	7,590	9,330	11,200
03283500	8,800	14,500	18,600	24,100	28,400	32,900
03285000	13,000	18,700	22,500	27,300	30,800	34,300
03304500	360	732	1,050	1,540	1,960	2,440
03305000	3,910	8,490	12,600	19,200	25,000	31,700
03305500	4,970	9,130	12,500	17,300	21,300	25,700
03400500	3,810	6,080	7,780	10,200	12,100	14,100
03400800	3,520	6,250	8,510	11,900	14,800	18,100
03401000	18,500	28,200	35,400	45,200	53,000	61,200
03402000	3,840	5,750	7,150	9,080	10,600	12,300
03403000	29,400	41,900	50,600	61,900	70,600	79,600
03403500	27,600	38,000	45,000	53,900	60,700	67,400
03403910	12,800	20,100	25,400	32,700	38,500	44,600
03404000	27,700	35,100	39,800	45,600	49,900	54,000
03404500	33,400	43,400	49,700	57,500	63,100	68,700
03404900	2,510	3,980	5,080	6,570	7,760	9,010
03405000	6,600	10,300	13,100	16,800	19,700	22,700
03406000	283	448	569	732	861	996
03406500	21,600	32,000	39,100	48,300	55,100	62,000
03407000	22,600	32,900	40,100	49,400	56,500	63,800
03407100	84	156	216	304	380	463
03407300	57	101	137	190	234	282
03407500	8,880	13,900	17,400	22,200	26,000	29,800
03408000	19,800	30,100	37,600	47,600	55,600	63,900
03408500	25,100	35,200	42,300	51,500	58,600	65,900
03409500	13,500	20,500	25,600	32,400	37,700	43,300
03410500	45,400	62,200	73,300	87,400	97,900	108,000
03411000	50,000	72,200	87,400	107,000	122,000	137,000
03411500	106,000	142,000	164,000	189,000	207,000	224,000
03412500	1,950	2,690	3,160	3,760	4,210	4,650
03413200	3,600	6,410	8,640	11,800	14,500	17,400
03414000	97,100	136,000	161,000	193,000	217,000	241,000
03414500	16,900	24,800	30,400	37,700	43,400	49,200
03415000	7,000	10,100	12,100	14,800	16,800	18,800
03415500	15,900	25,700	33,000	43,100	51,200	59,700
03416000	7,930	13,300	17,300	22,800	27,200	31,800
03418000	3,320	5,400	6,930	9,020	10,700	12,400
03418500	6,210	9,120	11,200	13,800	15,900	18,000
03420000	7,660	10,900	13,100	16,000	18,200	20,500

Table 2A.—Peak flow statistics - Eastern Coal province--(continued)

STATION NUMBER	PN - annual flood peak, in cubic feet per second, of "N"-year recurrence interval					
	P2	P5	P10	P25	P50	P100
03420500	9,580	16,300	21,300	27,900	33,100	38,300
03421000	24,000	36,900	45,800	57,200	65,800	74,500
03423000	3,410	4,700	5,480	6,380	7,000	7,580
03467000	5,480	7,890	9,610	11,900	13,800	15,700
03471500	1,950	2,790	3,410	4,270	4,970	5,720
03472500	2,040	3,110	3,930	5,110	6,080	7,140
03473000	6,720	9,300	11,100	13,400	15,200	17,100
03473500	212	349	461	631	781	950
03474000	3,490	5,140	6,360	8,070	9,450	10,900
03474500	3,860	6,260	8,220	11,100	13,700	16,500
03475000	3,700	5,230	6,350	7,880	9,110	10,400
03477500	205	267	309	364	406	449
03478400	426	702	927	1,260	1,550	1,880
03487550	1,410	2,340	3,110	4,280	5,320	6,500
03488000	5,940	8,750	10,900	13,900	16,500	19,200
03489500	9,370	13,900	17,300	22,100	25,900	30,000
03490000	14,100	20,200	24,700	31,000	36,200	41,800
03491000	2,670	3,640	4,310	5,180	5,850	6,550
03496000	604	903	1,120	1,410	1,640	1,890
03521500	3,510	4,980	5,950	7,180	8,100	9,010
03524000	10,800	15,600	18,900	23,400	26,800	30,400
03524500	3,060	4,750	6,000	7,750	9,150	10,700
03526000	3,000	4,440	5,500	6,980	8,180	9,460
03527000	21,500	30,500	36,500	43,800	49,200	54,600
03528000	24,900	35,500	42,700	51,800	58,700	65,700
03528300	275	463	613	833	1,020	1,230
03528400	115	222	314	457	583	727
03529500	5,640	8,720	11,100	14,400	17,100	20,000
03531000	13,200	18,900	22,800	28,200	32,400	36,700
03531500	12,300	18,500	22,900	28,800	33,400	38,200
03532000	15,500	21,500	25,500	30,800	34,800	38,900
03533000	41,600	62,700	77,200	95,700	110,000	124,000
03535000	3,410	5,760	7,630	10,300	12,600	15,100
03537000	412	527	601	691	757	822
03538225	4,560	6,850	8,480	10,700	12,400	14,200
03538250	1,540	2,280	2,800	3,500	4,040	4,610
03538500	7,080	11,100	14,200	18,800	22,700	27,000
03539500	4,840	8,000	10,400	13,800	16,600	19,700
03539600	7,670	9,520	10,700	12,100	13,100	14,000
03539800	34,700	51,500	63,500	79,400	91,900	105,000
03540500	46,500	73,800	94,200	122,000	145,000	168,000
03541500	11,400	20,400	27,900	39,400	49,500	60,900
03543500	5,690	9,120	11,700	15,300	18,200	21,300
03544500	4,400	7,400	9,670	12,800	15,300	18,000
03565500	1,650	2,890	3,880	5,310	6,510	7,810
03566420	1,990	3,160	4,030	5,220	6,160	7,160
03567500	12,800	18,400	22,200	26,900	30,400	33,900
03571000	11,400	16,800	20,500	25,300	28,900	32,500
03572900	6,730	11,000	14,100	18,400	21,900	25,500
03574500	17,900	25,600	34,200	42,700	49,100	55,500
03575000	14,500	26,800	37,100	52,700	66,200	81,500
03576148	5,880	9,040	11,300	14,400	16,700	19,200
03576250	6,620	11,100	14,600	19,900	24,400	29,400
03576400	3,680	5,630	7,030	8,910	10,400	11,900
03576500	6,000	8,300	9,620	11,100	12,000	12,900
03578000	4,190	6,230	7,650	9,540	11,000	12,500
03579100	7,630	13,300	17,700	24,000	29,200	34,700
03582000	18,600	26,400	31,000	36,300	39,900	43,100
03584000	16,400	29,500	40,600	57,900	73,200	90,800
03584500	33,900	52,400	66,300	85,800	102,000	119,000
03585300	8,730	13,000	16,000	19,900	23,000	26,100
03586500	6,250	9,240	11,300	13,900	15,900	17,900
03589250	268	413	517	657	767	881
03590000	9,530	16,100	20,800	27,000	31,800	36,700
03591800	7,540	11,500	14,000	17,200	19,600	21,800
03592000	5,620	9,770	13,400	19,000	24,200	30,200
03592200	7,120	10,200	12,400	15,300	17,500	19,900
03592300	3,840	5,910	7,320	9,090	10,400	11,700
03592500	16,000	24,400	30,500	38,600	44,900	51,500

Table 2B.—Peak flow statistics - Interior Coal Province--(continued)

STATION NUMBER	P2	P5	P10	P25	P50	P100
03437500	2,800	4,280	5,290	6,600	7,590	8,590
03438070	3,830	4,930	5,600	6,370	6,900	7,410
05554000	2,140	3,280	4,020	4,930	5,580	6,210
05554500	4,680	7,220	8,890	10,900	12,400	13,900
05555000	7,820	12,400	15,400	19,100	21,800	24,500
05555500	7,820	12,400	15,400	19,100	21,800	24,500
05556500	4,180	7,280	9,430	12,100	14,100	16,000
05557000	2,790	5,100	6,840	9,200	11,100	13,000
05557500	2,360	3,940	5,010	6,370	7,370	8,340
05558000	8,110	11,800	14,100	16,800	18,700	20,500
05558500	1,820	3,010	3,830	4,870	5,640	6,400
05559000	809	1,290	1,610	2,000	2,290	2,570
05559500	2,240	3,390	4,130	5,030	5,670	6,290
05561000	556	1,120	1,560	2,170	2,650	3,150
05563000	6,720	12,200	16,200	21,700	25,800	30,100
05563500	7,410	12,400	16,000	20,700	24,200	27,700
05564400	761	1,120	1,340	1,610	1,790	1,970
05564500	942	1,650	2,150	2,800	3,290	3,780
05565000	483	1,030	1,480	2,120	2,640	3,190
05566000	173	340	468	645	784	926
05566500	537	922	1,190	1,550	1,810	2,080
05567000	1,900	3,210	4,120	5,280	6,140	6,990
05567500	8,020	12,800	16,100	20,300	23,300	26,400
05568000	7,520	12,700	16,700	22,400	27,100	32,100
05568800	1,470	2,380	3,010	3,790	4,350	4,910
05569500	11,100	18,100	23,000	29,400	34,200	39,100
05570000	12,100	18,600	23,100	28,900	33,200	37,500
05571000	4,270	7,300	9,430	12,200	14,200	16,300
05572000	5,190	8,910	11,600	15,000	17,600	20,200
05574000	1,110	2,130	2,910	3,970	4,800	5,640
05574500	3,750	6,880	9,180	12,200	14,600	16,900
05575500	4,610	8,220	10,900	14,500	17,400	20,200
05576000	5,120	9,130	12,000	15,800	18,700	21,600
05576500	14,900	24,900	30,900	37,600	41,900	45,600
05577500	1,560	3,130	4,370	6,080	7,440	8,840
05578500	3,860	7,520	10,400	14,500	17,700	21,200
05579500	2,030	4,170	5,880	8,300	10,200	12,300
05580000	3,850	6,540	8,440	10,900	12,700	14,600
05580500	4,190	7,050	9,050	11,600	13,600	15,500
05581500	4,610	7,510	9,510	12,100	14,000	15,900
05582000	11,900	20,000	25,600	32,900	38,300	43,700
05582500	189	343	455	604	717	832
05584400	604	1,040	1,360	1,760	2,060	2,360
05584500	236	371	459	569	648	724
05585000	8,290	12,900	15,800	19,500	22,100	24,500
05586000	816	1,790	2,610	3,790	4,760	5,780
05586500	190	383	535	746	914	1,090
05586800	2,450	5,080	7,190	10,200	12,500	15,000
05587000	9,080	17,200	23,200	31,200	37,200	43,200
05588000	1,910	3,630	4,950	6,780	8,230	9,740
05589500	2,000	3,580	4,740	6,300	7,490	8,710
05590000	373	648	846	1,110	1,300	1,500
05590400	1,690	2,450	2,930	3,500	3,890	4,270
05590500	1,970	3,230	4,090	5,170	5,960	6,740
05591500	293	600	844	1,190	1,460	1,740
05592000	9,040	16,800	22,500	29,800	35,300	40,800
05592300	3,320	5,600	7,180	9,190	10,700	12,200
05592500	13,200	22,900	29,900	38,900	45,800	52,800
05593000	13,900	26,100	34,800	46,000	54,300	62,500
05593600	915	1,550	1,990	2,560	2,970	3,390
05593900	2,310	3,670	4,580	5,700	6,510	7,300
05594000	9,000	16,700	22,300	29,800	35,500	41,200
05595500	1,520	2,920	4,000	5,480	6,660	7,870
05595800	964	1,380	1,640	1,950	2,170	2,370
05596000	7,800	14,300	19,200	25,700	30,800	36,000
05597000	7,630	13,200	16,800	21,200	24,200	27,100
05597500	1,450	2,280	2,830	3,520	4,030	4,530
05599000	4,850	9,170	12,500	17,100	20,700	24,500
05599500	12,400	20,900	26,700	33,800	39,000	44,000
05600000	2,250	2,900	3,280	3,710	4,000	4,270



Table 2B.--Peak flow statistics - Interior Coal Province

STATION NUMBER	P2	P5	P10	P25	P50	P100
03308500	27,800	39,200	46,800	56,300	63,300	70,300
03309000	30,300	45,400	55,700	68,900	78,800	88,700
03310300	8,290	12,700	15,800	19,700	22,700	25,600
03310500	9,100	13,000	15,600	18,800	21,100	23,400
03311000	9,660	14,000	16,900	20,500	23,200	25,800
03311500	36,700	52,500	63,400	77,400	88,200	99,100
03312000	4,830	6,300	7,190	8,250	9,000	9,710
03314500	30,500	46,300	57,200	71,300	82,000	92,800
03315000	25,900	43,200	55,900	72,900	86,300	100,000
03316000	5,020	7,300	8,850	10,800	12,300	13,800
03317000	9,190	11,800	13,300	15,100	16,300	17,500
03317500	1,950	2,760	3,280	3,910	4,370	4,810
03318000	7,990	12,500	15,600	19,600	22,700	25,700
03318200	3,080	4,540	5,500	6,690	7,570	8,430
03318500	8,360	12,100	14,500	17,500	19,600	21,800
03318800	5,320	7,240	8,430	9,870	10,900	11,900
03319000	9,960	14,600	17,600	21,300	24,000	26,600
03320500	7,130	11,600	14,900	19,100	22,400	25,800
03321350	2,520	3,120	3,470	3,870	4,140	4,390
03329400	148	217	260	311	347	381
03329700	4,090	6,760	8,605	11,000	12,700	14,500
03332300	315	395	440	490	523	553
03332400	1,560	2,310	2,780	3,350	3,760	4,140
03334000	4,420	6,920	8,550	10,500	12,000	13,300
03334500	4,620	7,510	9,500	12,000	13,900	15,700
03335000	9,080	14,200	17,500	21,600	24,600	27,400
03335690	1,350	2,240	2,850	3,630	4,200	4,770
03335700	5,150	7,570	9,090	10,900	12,200	13,400
03336500	1,780	2,850	3,570	4,460	5,120	5,760
03336900	2,640	4,000	4,890	5,960	6,730	7,460
03337000	453	533	575	621	651	677
03337500	1,270	2,020	2,510	3,120	3,560	3,990
03338000	3,660	5,860	7,310	9,110	10,400	11,700
03338500	8,770	14,600	18,500	23,600	27,300	31,000
03339000	13,100	20,900	26,100	32,500	37,000	41,400
03339108	1,540	1,940	2,160	2,400	2,560	2,710
03339120	5,430	8,030	9,690	—	—	—
03339150	3,710	6,780	9,030	—	—	—
03339500	9,990	16,400	20,400	24,800	27,800	30,500
03340000	14,000	19,900	23,400	27,600	30,500	33,200
03340800	4,700	7,650	10,400	15,300	20,000	25,800
03341200	5,650	10,200	14,600	21,800	28,900	37,600
03342150	1,110	1,470	1,670	1,900	2,060	2,200
03343400	2,930	4,460	5,450	6,650	7,500	8,330
03344500	888	1,630	2,180	2,910	3,470	4,030
03345500	13,800	23,100	29,800	38,700	45,500	52,500
03346000	7,050	14,600	20,400	28,300	34,300	40,400
03357000	29,500	45,000	54,000	63,200	69,000	74,000
03357350	368	535	640	765	852	935
03357500	8,760	13,800	17,200	21,600	24,800	28,000
03358000	5,350	8,200	10,000	12,300	13,800	15,400
03359500	5,720	8,100	9,560	11,300	12,500	13,600
03360500	36,000	53,300	64,400	77,800	87,400	96,500
03372700	4,780	6,820	8,100	9,600	10,600	11,600
03373000	11,600	17,200	20,700	25,000	28,000	31,000
03373200	3,640	5,170	6,110	7,220	7,990	8,730
03373700	4,320	6,000	6,980	8,160	8,980	9,760
03375800	2,270	3,340	4,120	5,180	6,024	6,910
03376260	1,140	1,300	1,390	1,480	1,540	1,590
03376300	4,540	6,260	7,460	9,040	10,300	11,500
03378000	2,740	4,060	4,860	5,790	6,430	7,010
03378550	3,860	4,940	5,560	6,260	6,730	7,160
03378900	10,500	17,000	21,400	26,800	30,800	34,700
03379500	12,900	23,200	30,700	40,700	48,400	56,100
03380350	5,310	10,100	13,700	18,500	22,300	26,200
03380475	3,910	6,120	7,570	9,360	10,700	11,900
03380500	8,200	14,300	18,700	24,400	28,700	32,900
03381500	14,300	22,000	27,100	33,300	37,900	42,300
03383000	3,890	5,710	6,920	8,440	9,560	10,700
03384000	605	858	1,020	1,210	1,350	1,480

Table 2C.—Mean monthly and annual flow - Eastern Coal Province

QA - Mean annual discharge, in cubic feet per second. QN - Mean discharge, in cubic feet per second, for "N" calendar month.

STATION NUMBER	QA	Q10	Q11	Q12	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
01516500	12.70	6.39	11.00	15.00	12.70	16.50	32.50	26.70	14.90	9.53	1.96	1.98	3.32
01517000	11.00	5.44	10.00	13.00	9.45	14.40	28.70	24.80	12.90	8.28	1.42	1.71	2.74
01518000	331.00	145.00	291.00	350.00	271.00	347.00	790.00	753.00	516.00	254.00	93.40	77.00	89.90
01518500	112.00	42.90	83.10	107.00	81.30	126.00	306.00	295.00	155.00	84.30	25.00	20.20	16.10
01520000	286.00	108.00	184.00	281.00	251.00	360.00	769.00	709.00	353.00	231.00	62.60	36.50	91.00
01541000	557.00	252.00	399.00	619.00	748.00	796.00	1,250.00	940.00	661.00	392.00	250.00	201.00	189.00
01541308	12.90	7.64	10.00	15.20	13.20	15.40	27.90	22.70	14.10	11.30	6.86	4.56	6.23
01541500	574.00	249.00	380.00	547.00	751.00	798.00	1,280.00	1,070.00	781.00	459.00	241.00	195.00	152.00
01542000	112.00	44.30	65.00	105.00	121.00	134.00	245.00	218.00	178.00	106.00	51.40	41.80	35.20
01542500	2,460.00	895.00	1,600.00	2,570.00	3,700.00	3,170.00	5,440.00	4,900.00	3,540.00	2,140.00	823.00	595.00	516.00
01546000	217.00	123.00	181.00	175.00	229.00	327.00	532.00	337.00	312.00	211.00	76.80	47.40	58.00
01546500	89.80	53.90	62.10	77.20	90.00	105.00	151.00	147.00	120.00	96.20	65.80	56.30	53.20
01547100	235.00	171.00	188.00	228.00	243.00	281.00	350.00	316.00	257.00	264.00	195.00	162.00	165.00
01547200	400.00	250.00	294.00	385.00	372.00	515.00	800.00	684.00	496.00	352.00	239.00	212.00	210.00
01547500	392.00	230.00	288.00	328.00	321.00	493.00	858.00	764.00	548.00	286.00	212.00	206.00	181.00
01547700	58.40	24.90	45.10	67.60	54.80	81.00	142.00	111.00	73.90	45.00	22.80	16.50	18.20
01547800	24.10	12.60	23.90	27.10	25.30	30.40	46.10	41.90	28.30	23.70	12.90	6.64	10.50
01547950	292.00	144.00	279.00	341.00	303.00	343.00	560.00	494.00	353.00	285.00	183.00	94.30	133.00
01548000	771.00	378.00	588.00	667.00	804.00	905.00	1,670.00	1,500.00	1,190.00	647.00	355.00	282.00	280.00
01556000	395.00	177.00	255.00	365.00	434.00	543.00	917.00	764.00	524.00	306.00	181.00	146.00	139.00
01556500	147.00	52.90	92.50	132.00	187.00	210.00	306.00	323.00	208.00	112.00	64.80	48.90	32.30
01557500	77.50	31.10	51.20	76.20	88.60	100.00	175.00	146.00	115.00	68.60	31.10	23.00	24.80
01558000	375.00	174.00	240.00	348.00	390.00	478.00	811.00	715.00	531.00	354.00	184.00	140.00	142.00
01559000	1,090.00	519.00	714.00	1,030.00	1,180.00	1,410.00	2,340.00	1,980.00	1,500.00	979.00	549.00	448.00	436.00
01559500	148.00	60.70	108.00	142.00	179.00	173.00	332.00	318.00	232.00	111.00	47.50	44.70	31.70
01559500	173.00	67.80	119.00	238.00	261.00	253.00	369.00	297.00	186.00	103.00	70.60	77.00	49.20
01559500	449.00	192.00	278.00	539.00	625.00	714.00	1,010.00	781.00	514.00	287.00	158.00	185.00	122.00
01559800	538.00	293.00	414.00	767.00	728.00	751.00	1,110.00	818.00	612.00	382.00	223.00	171.00	178.00
01596000	492.00	265.00	306.00	477.00	667.00	829.00	996.00	837.00	616.00	325.00	219.00	204.00	177.00
01596500	74.60	26.20	39.10	90.90	102.00	123.00	190.00	141.00	89.00	46.00	16.60	18.70	15.20
01597000	28.90	9.24	13.30	34.00	41.00	47.20	70.90	53.20	35.90	19.10	9.88	7.45	5.96
01598000	163.00	78.50	94.60	150.00	221.00	283.00	365.00	304.00	224.00	97.70	56.10	39.20	52.80
01599000	81.20	33.10	35.30	70.00	94.00	124.00	210.00	168.00	120.00	56.00	24.60	22.00	20.10
01600000	886.00	382.00	420.20	802.50	1,020.00	1,520.00	1,710.00	1,480.00	1,080.00	719.30	491.30	274.70	333.30
01601000	183.00	44.40	71.20	134.00	208.00	292.00	594.00	419.00	257.00	111.00	28.90	30.10	17.30
01601500	324.00	134.00	160.00	311.00	391.00	496.00	825.00	661.00	454.00	219.00	97.90	82.50	73.80
01603000	1,260.00	581.00	652.00	1,260.00	1,620.00	1,980.00	2,980.00	2,330.00	1,660.00	832.00	443.00	411.00	369.00
01603500	32.20	15.50	15.50	28.90	35.40	46.10	77.60	63.40	45.50	26.30	12.70	10.20	9.77
01609000	159.00	91.00	99.20	179.00	174.00	222.00	328.00	313.00	233.00	122.00	59.60	39.70	49.00
01609500	4.19	1.18	1.92	4.60	6.02	8.64	10.70	6.96	5.46	3.14	1.03	.63	.20
01610000	3,250.00	1,540.00	1,630.00	3,280.00	3,930.00	5,320.00	7,520.00	5,810.00	4,150.00	2,530.00	1,240.00	1,160.00	999.00
01610155	121.00	108.00	91.10	183.00	125.00	193.00	204.00	210.00	126.00	134.00	37.20	24.50	30.50
01612500	15.30	3.13	8.63	15.60	21.70	27.80	41.70	27.60	19.80	9.55	3.99	2.21	2.19
01613000	4,120.00	2,090.00	2,080.00	3,970.00	5,180.00	6,580.00	9,540.00	7,530.00	5,220.00	3,090.00	1,480.00	1,540.00	1,300.00
01614500	593.00	339.00	427.00	605.00	684.00	827.00	1,190.00	1,040.00	738.00	529.00	319.00	226.00	266.00
01617800	13.50	10.30	9.02	11.60	14.90	16.40	20.40	19.20	16.50	15.90	11.40	8.50	8.05
01618000	6,100.00	2,720.00	2,860.00	4,490.00	6,600.00	8,590.00	13,200.00	10,900.00	7,610.00	4,020.00	2,150.00	2,170.00	1,760.00
01619000	120.00	78.20	77.00	116.00	136.00	160.00	176.00	174.00	146.00	136.00	93.00	63.80	84.70
01619500	276.00	168.00	184.00	249.00	299.00	360.00	473.00	457.00	361.00	282.00	214.00	172.00	164.00
01620500	26.10	14.70	22.30	28.60	30.80	37.70	55.30	43.20	33.40	25.40	6.43	7.00	9.42
01622000	367.00	248.00	253.00	316.00	401.00	508.00	689.00	581.00	472.00	324.00	197.00	242.00	198.00
01624300	182.00	130.00	153.00	222.00	250.00	258.00	310.00	216.00	204.00	162.00	97.00	85.30	104.00
01625000	307.00	233.00	210.00	302.00	384.00	446.00	559.00	429.00	324.00	249.00	176.00	201.00	184.00
01626000	138.00	120.00	104.00	129.00	156.00	185.00	271.00	204.00	157.00	117.00	57.30	87.20	72.30
01627500	253.00	243.00	206.00	262.00	294.00	328.00	375.00	355.00	277.00	210.00	129.00	161.00	185.00
01628500	989.00	724.00	680.00	940.00	1,170.00	1,380.00	1,810.00	1,460.00	1,150.00	845.00	532.00	625.00	573.00
01629500	1,260.00	1,080.00	907.00	1,330.00	1,240.00	1,830.00	1,730.00	1,760.00	1,560.00	1,180.00	763.00	985.00	839.00
01631000	1,530.00	1,170.00	1,080.00	1,460.00	1,800.00	2,120.00	2,780.00	2,290.00	1,780.00	1,320.00	783.00	985.00	866.00
01632000	191.00	132.00	117.00	186.00	201.00	284.00	403.00	339.00	265.00	128.00	66.20	94.80	75.30
01632900	71.30	55.20	50.60	66.40	100.00	105.00	141.00	92.50	72.50	63.40	36.30	39.20	34.40
01633000	376.00	224.00	240.00	379.00	454.00	542.00	768.00	568.00	467.00	309.00	160.00	226.00	178.00
01633500	70.40	23.80	55.70	81.90	76.90	109.00	142.00	108.00	105.00	54.40	21.50	39.10	14.50
01634000	583.00	407.00	381.00	527.00	640.00	847.00	1,100.00	927.00	732.00	468.00	302.00	373.00	295.00
01634500	91.20	60.70	54.60	85.80	103.00	133.00	186.00	156.00	123.00	82.90	33.60	43.60	35.50
01635500	68.10	36.90	35.50	63.90	90.80	113.00	146.00	125.00	88.90	51.40	19.00	28.50	22.90
02011500	184.00	77.50	101.00	222.00	262.00	313.00	462.00	290.00	223.00	120.00	56.40	46.20	34.90
02012500	491.00	235.00	312.00	527.00	660.00	807.00	1,040.00	768.00	593.00	344.00	222.00	211.00	170.00
02013000	166.00	65.80	99.40	169.00	242.00	301.00	397.00	276.00	207.00	96.80	51.00	55.10	34.70
02014000	179.00	98.40	121.00	180.00	247.00	301.00	377.00	278.00	226.00	132.00	71.30	69.30	56.90
02016000	523.00	276.00	331.00	560.00	719.00	868.00	1,090.00	802.00	619.00	364.00	224.00	243.00	202.00

Table 2C.—Mean monthly and annual flow - Eastern Coal Province—(continued)

QA - Mean annual discharge, in cubic feet per second. QN - Mean discharge, in cubic feet per second, for "N" calendar month.

STATION NUMBER	QA	Q10	Q11	Q12	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
02016500	1,610.00	777.00	1,010.00	1,700.00	2,190.00	2,720.00	3,420.00	2,540.00	1,920.00	1,090.00	653.00	685.00	548.00
02017500	127.00	58.20	85.50	134.00	181.00	222.00	271.00	214.00	155.00	83.50	43.00	44.60	37.80
02018000	385.00	195.00	265.00	394.00	543.00	658.00	778.00	631.00	452.00	248.00	142.00	173.00	142.00
02018500	35.90	19.90	22.90	34.00	42.80	61.60	77.90	59.90	41.60	27.10	14.70	13.90	15.90
02019000	106.00	72.80	74.90	78.20	223.00	152.00	188.00	185.00	90.40	59.10	32.00	76.50	42.40
02019500	2,420.00	1,200.00	1,500.00	2,460.00	3,390.00	4,040.00	5,040.00	3,820.00	2,840.00	1,710.00	1,110.00	1,150.00	906.00
02020500	161.00	73.00	99.20	190.00	216.00	263.00	355.00	243.00	216.00	132.00	48.40	51.10	48.40
02021000	212.00	130.00	174.00	213.00	316.00	344.00	407.00	408.00	212.00	80.30	70.90	99.00	63.20
02021500	369.00	185.00	227.00	395.00	518.00	601.00	832.00	587.00	465.00	255.00	119.00	136.00	122.00
02022500	35.50	22.50	21.30	32.20	44.40	54.30	73.00	52.90	37.90	25.00	18.00	25.30	19.20
02023000	509.00	259.00	325.00	521.00	654.00	827.00	980.00	887.00	607.00	361.00	220.00	268.00	224.00
02023500	128.00	75.70	78.10	151.00	129.00	196.00	290.00	249.00	165.00	113.00	44.80	48.10	45.30
02024000	654.00	340.00	404.00	693.00	849.00	1,050.00	1,340.00	977.00	812.00	520.00	274.00	340.00	274.00
02024500	962.00	439.00	463.00	865.00	1,000.00	1,740.00	2,080.00	1,360.00	1,100.00	858.00	703.00	580.00	412.00
02444000	178.00	51.40	89.60	187.00	268.00	324.00	425.00	405.00	178.00	56.60	71.40	46.10	48.00
02444500	8,650.00	1,630.00	3,940.00	9,230.00	16,000.00	18,200.00	19,600.00	16,500.00	8,170.00	3,860.00	3,830.00	1,840.00	1,910.00
02445000	143.00	20.80	76.60	150.00	225.00	363.00	339.00	299.00	97.50	38.20	87.60	22.00	12.70
02445500	416.00	56.80	238.00	385.00	870.00	1,160.00	960.00	631.00	302.00	166.00	177.00	92.20	96.00
02446000	681.00	89.50	317.00	545.00	1,460.00	1,870.00	1,710.00	1,020.00	435.00	296.00	319.00	211.00	187.00
02446500	774.00	131.00	422.00	829.00	1,390.00	1,710.00	1,780.00	1,510.00	743.00	270.00	286.00	192.00	188.00
02447000	1,050.00	165.00	470.00	906.00	1,870.00	2,690.00	2,430.00	2,000.00	941.00	483.00	454.00	311.00	240.00
02448500	1,560.00	250.00	528.00	1,620.00	3,220.00	3,690.00	4,430.00	4,220.00	1,560.00	498.00	734.00	333.00	362.00
02450000	675.00	152.00	350.00	787.00	1,390.00	1,530.00	1,530.00	1,070.00	508.00	221.00	288.00	188.00	125.00
02450200	21.30	1.87	4.36	18.80	36.20	55.20	62.50	48.70	11.90	6.12	6.76	2.49	2.10
02450250	168.00	48.80	67.30	246.00	346.00	317.00	397.00	297.00	177.00	67.20	29.90	21.10	37.00
02450500	640.00	42.70	257.00	521.00	1,670.00	1,780.00	1,560.00	866.00	447.00	192.00	139.00	88.50	137.00
02451000	250.00	39.60	113.00	229.00	537.00	614.00	575.00	336.00	179.00	103.00	138.00	75.70	79.80
02453000	301.00	31.10	148.00	320.00	564.00	769.00	730.00	563.00	239.00	109.00	112.00	65.20	66.80
02453500	3,310.00	937.00	641.00	3,060.00	5,170.00	8,190.00	8,770.00	5,240.00	3,020.00	2,960.00	1,420.00	1,100.00	658.00
02454000	203.00	19.00	123.00	224.00	378.00	570.00	512.00	411.00	171.00	50.90	48.60	14.80	14.70
02454200	134.00	9.33	25.20	187.00	264.00	336.00	369.00	277.00	19.20	11.80	31.40	21.20	9.31
02455000	527.00	100.00	268.00	591.00	1,120.00	1,220.00	1,270.00	920.00	401.00	152.00	185.00	118.00	100.00
02455500	999.00	222.00	476.00	1,170.00	2,070.00	2,480.00	2,240.00	1,640.00	670.00	244.00	392.00	294.00	163.00
02456000	134.00	37.00	67.70	138.00	259.00	297.00	312.00	223.00	107.00	52.50	45.00	33.70	43.10
02456500	1,450.00	289.00	924.00	1,580.00	2,960.00	3,260.00	3,660.00	2,500.00	1,220.00	405.00	405.00	276.00	347.00
02460500	192.00	99.90	105.00	188.00	288.00	307.00	408.00	350.00	217.00	113.00	121.00	87.50	125.00
02462600	10.10	—	—	—	—	—	—	21.90	3.97	1.95	1.82	.38	1.75
02462800	68.70	10.60	25.00	83.20	130.00	173.00	164.00	119.00	60.40	18.80	21.90	8.95	10.00
02463500	147.00	23.70	56.20	172.00	248.00	372.00	305.00	309.00	130.00	57.00	58.00	26.00	20.00
02464000	394.00	85.20	179.00	396.00	804.00	855.00	1,020.00	694.00	318.00	124.00	122.00	72.40	95.30
02464500	530.00	85.60	237.00	652.00	954.00	1,270.00	1,190.00	967.00	421.00	152.00	206.00	106.00	86.70
02465500	71.50	19.80	29.40	78.50	100.00	185.00	162.00	169.00	49.80	27.80	22.00	17.00	10.00
02466500	238.00	9.52	118.00	269.00	403.00	504.00	761.00	344.00	187.00	66.00	106.00	51.80	67.60
02467500	823.00	215.00	409.00	799.00	1,280.00	1,620.00	1,840.00	1,650.00	775.00	383.00	421.00	292.00	253.00
03008000	12.20	6.43	11.60	16.80	10.10	16.80	24.20	19.40	12.00	11.20	5.04	3.59	8.43
03010500	952.00	409.00	717.00	1,040.00	1,080.00	1,070.00	2,050.00	2,140.00	1,230.00	764.00	425.00	220.00	298.00
03011800	77.90	48.20	78.00	108.00	77.70	86.60	156.00	133.00	83.20	60.50	34.00	30.20	40.40
03015000	1,460.00	644.00	1,340.00	2,040.00	2,040.00	2,040.00	3,290.00	2,810.00	1,400.00	819.00	419.00	304.00	445.00
03015280	23.20	13.30	26.00	32.70	28.80	29.10	53.40	36.60	20.70	11.20	8.45	6.91	10.80
03015500	582.00	282.00	571.00	726.00	812.00	750.00	1,300.00	1,040.00	600.00	347.00	205.00	159.00	204.00
03016000	6,340.00	2,340.00	4,630.00	6,570.00	8,430.00	7,910.00	14,500.00	13,800.00	8,240.00	4,600.00	2,280.00	1,380.00	1,550.00
03017500	427.00	169.00	342.00	499.00	526.00	518.00	879.00	882.00	570.00	329.00	179.00	103.00	131.00
03019000	831.00	314.00	684.00	1,020.00	1,220.00	1,020.00	1,680.00	1,680.00	1,080.00	535.00	329.00	228.00	195.00
03020500	532.00	219.00	451.00	664.00	729.00	737.00	1,170.00	960.00	592.00	354.00	201.00	152.00	159.00
03021500	415.00	215.00	463.00	564.00	651.00	595.00	954.00	710.00	352.00	168.00	106.00	80.60	128.00
03021700	7.40	3.31	10.00	11.40	8.80	10.60	18.70	11.00	4.96	3.19	2.00	2.19	2.29
03022500	1,050.00	528.00	1,140.00	1,450.00	1,850.00	1,650.00	2,310.00	1,730.00	873.00	434.00	233.00	164.00	294.00
03023000	130.00	78.00	166.00	191.00	235.00	192.00	286.00	186.00	107.00	46.70	24.00	20.50	34.80
03023500	1,750.00	997.00	1,820.00	1,900.00	2,790.00	2,560.00	4,140.00	2,570.00	1,830.00	739.00	519.00	507.00	528.00
03024000	1,730.00	695.00	1,510.00	2,240.00	2,590.00	2,710.00	3,920.00	3,150.00	1,680.00	953.00	555.00	408.00	440.00
03025000	272.00	101.00	202.00	326.00	387.00	408.00	604.00	489.00	319.00	182.00	106.00	72.00	72.00
03025200	8.94	3.11	9.08	13.30	11.40	12.30	16.80	13.50	11.80	7.27	4.26	2.30	2.55
03026500	14.20	7.09	12.00	16.80	14.60	16.50	31.30	30.10	17.00	9.78	4.88	5.10	5.20
03028000	124.00	65.20	107.00	151.00	129.00	141.00	267.00	256.00	141.00	83.80	52.80	45.90	51.30
03029000	588.00	218.00	435.00	592.00	877.00	690.00	1,210.00	1,050.00	891.00	491.00	274.00	154.00	168.00
03029400	19.30	11.30	18.40	29.00	24.50	23.20	42.40	35.10	23.10	13.10	7.26	4.20	5.71
03029500	1,460.00	554.00	1,040.00	1,500.00	2,160.00	2,000.00	3,060.00	2,950.00	2,060.00	1,110.00	547.00	276.00	331.00
03031950	13.20	7.13	11.50	19.90	18.80	18.60	28.30	18.50	13.30	7.30	4.76	4.57	5.88
03032500	862.00	331.00	654.00	1,060.00	1,220.00	1,230.00	1,850.00	1,500.00	1,070.00	611.00	362.00	241.00	242.00
03034000	277.00	113.00	185.00	322.00	365.00	422.00	595.00	473.00	350.00	193.00	127.00	99.30	88.50

Table 2C.—Mean monthly and annual flow - Eastern Coal Province—(continued)

QA - Mean annual discharge, in cubic feet per second. QN - Mean discharge, in cubic feet per second, for "N" calendar month.

STATION NUMBER	QA	Q10	Q11	Q12	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
3034500	153.00	64.10	113.00	195.00	225.00	246.00	326.00	244.00	177.00	93.40	60.50	53.50	47.10
3035000	561.00	201.00	485.00	645.00	803.00	815.00	1,180.00	967.00	659.00	374.00	265.00	170.00	184.00
3038000	276.00	108.00	164.00	307.00	394.00	504.00	608.00	485.00	316.00	175.00	114.00	82.60	63.50
3039200	6.27	3.35	4.71	7.95	6.35	7.84	13.60	12.40	8.30	5.24	2.64	1.28	1.43
3040000	706.00	294.00	482.00	718.00	928.00	1,070.00	1,760.00	1,200.00	936.00	514.00	263.00	269.00	175.00
3041000	283.00	79.40	124.00	271.00	375.00	411.00	648.00	586.00	357.00	252.00	132.00	95.00	52.10
3042000	369.00	171.00	226.00	416.00	457.00	559.00	818.00	615.00	423.00	251.00	195.00	158.00	147.00
3042200	13.60	6.43	9.77	16.80	19.60	20.40	30.60	21.10	14.50	8.56	5.31	4.16	5.65
3043000	671.00	349.00	469.00	739.00	1,050.00	1,020.00	1,390.00	1,020.00	753.00	506.00	285.00	226.00	259.00
3045000	296.00	96.40	170.00	349.00	421.00	455.00	622.00	527.00	380.00	247.00	103.00	107.00	87.10
3045500	432.00	217.00	273.00	420.00	591.00	708.00	939.00	810.00	491.00	263.00	161.00	209.00	122.00
3049000	193.00	71.10	113.00	236.00	282.00	333.00	428.00	332.00	225.00	130.00	64.10	57.10	46.30
3049800	6.29	1.63	3.55	8.02	9.33	10.80	15.10	10.30	8.30	3.34	2.48	1.48	1.25
3050000	349.00	126.00	234.00	453.00	543.00	591.00	712.00	509.00	410.00	236.00	146.00	149.00	81.60
3050500	507.00	179.00	334.00	692.00	813.00	884.00	1,040.00	770.00	538.00	334.00	209.00	182.00	127.00
3051500	281.00	123.00	206.00	360.00	441.00	479.00	533.00	378.00	362.00	191.00	115.00	123.00	59.40
3052000	347.00	124.00	269.00	490.00	552.00	584.00	664.00	523.00	384.00	224.00	141.00	134.00	89.10
3052500	26.60	9.47	19.20	38.70	44.50	46.20	50.10	39.50	25.30	16.40	14.20	10.30	6.47
3053500	594.00	256.00	458.00	823.00	960.00	1,000.00	1,120.00	809.00	625.00	380.00	282.00	260.00	164.00
3054500	1,850.00	663.00	1,370.00	2,600.00	2,960.00	3,120.00	3,550.00	2,760.00	1,970.00	1,230.00	857.00	785.00	496.00
3056500	2,590.00	1,240.00	1,940.00	3,110.00	4,770.00	4,200.00	4,760.00	3,400.00	3,220.00	1,620.00	1,280.00	1,030.00	764.00
3057500	41.40	11.70	28.60	61.10	82.10	82.40	73.40	48.80	35.30	26.20	17.90	19.80	11.60
3058000	165.00	49.60	113.00	252.00	292.00	306.00	311.00	246.00	152.00	95.40	68.60	59.20	40.30
3058500	301.00	119.00	217.00	430.00	516.00	535.00	564.00	399.00	294.00	191.00	127.00	128.00	89.70
3059000	585.00	218.00	402.00	838.00	1,000.00	1,080.00	1,110.00	818.00	567.00	337.00	227.00	254.00	179.00
3059500	118.00	33.00	70.20	166.00	194.00	238.00	251.00	164.00	120.00	60.80	45.60	50.00	28.70
3061000	1,150.00	419.00	696.00	1,560.00	2,110.00	2,140.00	2,220.00	1,640.00	1,140.00	690.00	449.00	469.00	391.00
3061500	169.00	44.40	101.00	220.00	294.00	295.00	352.00	257.00	193.00	111.00	65.80	57.20	48.50
3062400	16.50	4.71	9.87	25.30	25.30	26.80	28.90	25.30	22.00	9.53	7.62	5.43	4.98
3062500	99.00	20.80	50.90	129.00	171.00	171.00	207.00	153.00	118.00	66.10	41.00	42.00	14.80
3063600	9.99	8.31	8.38	16.20	14.80	18.30	16.60	16.20	7.08	6.98	2.12	1.94	3.40
3065000	756.00	350.00	555.00	945.00	1,060.00	1,190.00	1,530.00	1,200.00	827.00	526.00	322.00	347.00	235.00
3066000	197.00	108.00	150.00	246.00	277.00	310.00	389.00	291.00	207.00	137.00	92.20	104.00	67.50
3069000	550.00	295.00	429.00	651.00	776.00	772.00	1,040.00	839.00	598.00	396.00	314.00	281.00	215.00
3069500	1,680.00	892.00	1,260.00	2,070.00	2,410.00	2,540.00	3,200.00	2,520.00	1,890.00	1,220.00	856.00	857.00	572.00
3069880	30.10	13.10	32.60	51.50	41.20	46.20	46.80	45.10	31.60	15.70	9.33	15.10	12.50
3070000	2,270.00	1,090.00	1,680.00	2,830.00	3,180.00	3,500.00	4,320.00	3,490.00	2,630.00	1,600.00	1,080.00	1,140.00	721.00
3070500	418.00	166.00	303.00	555.00	674.00	682.00	820.00	631.00	489.00	289.00	167.00	139.00	128.00
3071000	3,000.00	1,260.00	1,930.00	3,600.00	4,390.00	4,890.00	5,570.00	4,580.00	3,580.00	2,220.00	1,560.00	1,550.00	824.00
3071500	3,190.00	1,840.00	1,870.00	3,180.00	5,600.00	4,820.00	6,070.00	4,190.00	3,300.00	2,840.00	1,820.00	993.00	1,080.00
3072000	277.00	64.60	137.00	354.00	462.00	516.00	615.00	477.00	312.00	168.00	77.10	71.10	81.60
3072590	19.30	5.68	8.68	27.20	27.30	30.00	39.80	33.60	26.70	14.20	7.35	4.11	7.65
3073000	201.00	43.30	97.10	238.00	342.00	375.00	462.00	351.00	222.00	117.00	76.50	52.20	47.80
3074500	99.20	42.00	50.50	112.00	137.00	151.00	191.00	159.00	129.00	84.20	48.90	44.30	44.90
3075500	295.00	106.00	206.00	403.00	451.00	473.00	608.00	447.00	320.00	187.00	127.00	132.00	83.80
3076600	87.00	28.80	54.10	124.00	118.00	130.00	193.00	148.00	102.00	46.00	34.10	31.80	36.10
3078000	119.00	42.40	68.90	147.00	171.00	192.00	276.00	213.00	133.00	74.50	42.60	37.20	30.20
3078500	37.10	15.60	18.40	35.60	50.60	58.80	97.00	74.80	43.60	22.00	9.32	10.60	8.65
3079000	659.00	267.00	399.00	760.00	914.00	1,020.00	1,510.00	1,157.00	804.00	445.00	243.00	228.00	177.00
3080000	267.00	113.00	196.00	330.00	372.00	388.00	564.00	442.00	319.00	193.00	99.30	108.00	79.30
3082200	19.20	7.40	16.30	26.80	27.70	26.70	41.10	30.70	22.40	11.50	5.85	5.26	8.12
3083000	5.63	1.82	3.67	7.26	8.18	8.74	11.40	9.09	7.20	3.73	2.19	2.32	2.15
3084000	5.46	2.27	2.86	6.31	7.94	9.54	11.80	8.73	5.40	3.49	2.96	2.37	2.05
3084500	76.90	26.30	55.70	88.00	120.00	129.00	152.00	124.00	85.80	60.00	38.70	22.30	24.90
3085500	266.00	94.10	130.00	226.00	334.00	441.00	587.00	458.00	327.00	211.00	151.00	145.00	99.40
3086100	17.10	5.52	10.30	23.10	24.40	26.90	37.50	26.60	25.30	11.20	7.21	2.88	5.05
3086500	79.42	22.37	28.77	68.50	123.00	155.70	199.10	143.30	101.00	49.27	30.71	24.32	10.92
3088000	32.00	7.21	13.10	30.40	53.10	65.80	69.90	47.10	45.90	29.20	9.48	9.28	5.53
3089500	16.70	4.11	6.04	15.30	26.40	35.60	41.90	29.50	22.90	8.18	6.45	3.02	1.34
3090500	211.00	39.70	88.00	210.00	377.00	339.00	543.00	416.00	210.00	94.90	79.40	97.70	44.70
3092000	23.40	6.08	12.50	29.10	36.50	43.80	57.50	37.80	26.50	11.40	10.60	4.65	6.00
3092090	27.60	9.18	25.10	46.40	36.60	43.30	60.10	41.30	30.40	12.70	10.20	5.96	13.40
3092500	93.60	27.30	47.40	96.00	156.00	164.00	221.00	175.00	106.00	55.40	36.50	26.40	17.00
3093000	108.00	42.20	67.80	126.00	159.00	190.00	244.00	195.00	117.00	62.90	44.90	27.80	39.80
3096000	119.00	20.20	33.80	85.30	177.00	171.00	263.00	212.00	123.00	118.00	93.10	87.80	43.30
3098500	58.10	20.10	25.00	48.10	82.00	113.00	135.00	111.00	83.60	30.50	25.40	17.20	8.82
3102950	121.00	44.90	127.00	203.00	150.00	214.00	279.00	167.00	116.00	60.00	37.60	20.50	40.70
3103000	200.00	70.50	122.00	223.00	350.00	358.00	474.00	369.00	198.00	103.00	65.30	42.30	43.40
3104000	691.00	379.00	582.00	820.00	1,270.00	1,030.00	1,574.00	1,090.00	655.00	293.00	218.00	157.00	238.00
3104760	3.23	1.36	3.18	5.66	4.23	4.46	6.73	4.87	3.14	2.13	1.01	.40	1.62



Table 2C.—Mean monthly and annual flow - Eastern Coal Province—(continued)

QA - Mean annual discharge, in cubic feet per second. QN - Mean discharge, in cubic feet per second, for "N" calendar month.

STATION NUMBER	QA	Q10	Q11	Q12	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
03106000	466.00	171.00	313.00	556.00	698.00	765.00	1,030.00	784.00	519.00	320.00	178.00	145.00	127.00
03106300	72.60	38.80	69.50	95.40	98.10	99.30	149.00	119.00	80.20	44.10	31.60	18.60	28.80
03106500	566.00	255.00	407.00	645.00	824.00	868.00	1,200.00	916.00	649.00	408.00	249.00	199.00	178.00
03108000	204.00	69.90	100.00	187.00	300.00	367.00	464.00	370.00	248.00	153.00	86.90	70.60	40.90
03109000	5.84	1.83	1.79	4.76	9.64	11.70	11.50	11.60	7.29	5.13	2.68	1.70	0.84
03109500	519.00	181.00	295.00	518.00	746.00	863.00	1,180.00	923.00	655.00	357.00	231.00	157.00	139.00
03110000	160.00	44.20	77.10	158.00	231.00	278.00	374.00	307.00	211.00	102.00	55.80	45.80	38.10
03111150	9.55	2.40	3.97	8.86	13.50	18.30	25.20	17.80	11.30	5.37	2.91	2.72	2.78
03111500	127.00	53.70	62.30	108.00	165.00	209.00	268.00	231.00	167.00	99.60	67.80	50.30	50.30
03112000	331.00	72.10	156.00	372.00	518.00	600.00	734.00	596.00	416.00	205.00	142.00	87.30	87.10
03113700	6.50	2.22	3.82	9.09	10.10	11.40	11.00	10.60	6.45	3.44	3.97	2.81	3.43
03114000	163.00	52.70	88.10	200.00	248.00	278.00	352.00	273.00	191.00	83.00	76.00	67.40	60.90
03114500	659.00	208.00	415.00	854.00	1,140.00	1,200.00	1,280.00	1,010.00	713.00	426.00	239.00	265.00	183.00
03114650	5.86	2.54	4.17	10.40	9.37	9.20	7.02	9.22	5.12	4.19	2.06	2.03	2.36
03115400	261.00	78.20	156.00	335.00	405.00	473.00	564.00	474.00	286.00	141.00	83.20	83.70	85.10
03116000	149.00	74.90	89.70	134.00	198.00	226.00	299.00	230.00	167.00	122.00	99.10	82.70	72.60
03116200	135.00	38.60	81.20	157.00	153.00	237.00	360.00	230.00	146.00	68.40	84.50	42.90	54.90
03117000	436.00	184.00	241.00	397.00	532.00	698.00	942.00	720.00	501.00	363.00	295.00	207.00	196.00
03117500	268.00	93.10	142.00	268.00	361.00	468.00	604.00	473.00	330.00	198.00	124.00	80.60	79.10
03118000	35.20	12.50	19.10	34.70	47.70	58.40	75.50	56.90	42.70	29.80	21.90	15.10	14.20
03119000	500.00	201.00	309.00	484.00	738.00	770.00	1,010.00	743.00	570.00	428.00	298.00	259.00	204.00
03122500	1,350.00	527.00	866.00	1,520.00	2,220.00	2,160.00	2,510.00	1,900.00	1,440.00	944.00	788.00	787.00	614.00
03125000	1.28	.35	.63	1.33	2.19	2.29	2.91	2.41	1.40	.92	.65	.35	.35
03130500	5.12	1.29	3.23	5.39	8.22	8.10	10.60	9.36	5.90	3.10	2.49	1.97	1.95
03134000	100.00	26.20	52.60	98.70	169.00	171.00	224.00	175.00	111.00	85.20	49.60	27.80	18.60
03136000	866.00	298.00	588.00	1,010.00	1,390.00	1,300.00	1,790.00	1,310.00	1,020.00	558.00	485.00	365.00	291.00
03136500	192.00	43.00	84.50	172.00	245.00	310.00	435.00	354.00	274.00	145.00	102.00	64.10	42.40
03137000	481.00	117.00	264.00	471.00	760.00	770.00	1,020.00	847.00	575.00	413.00	256.00	167.00	133.00
03138500	1,430.00	469.00	989.00	1,690.00	2,440.00	2,080.00	2,800.00	2,140.00	1,700.00	993.00	776.00	615.00	486.00
03139000	407.00	116.00	183.00	339.00	557.00	638.00	896.00	740.00	500.00	367.00	274.00	186.00	136.00
03140000	28.00	7.54	13.70	27.20	45.30	49.50	62.30	55.50	31.90	22.90	15.40	6.87	7.44
03142200	53.10	5.58	20.30	45.60	70.80	110.00	157.00	110.00	60.00	23.00	25.80	9.68	10.70
03144000	144.60	30.48	62.07	115.40	237.70	253.00	337.50	296.60	169.40	111.10	66.90	39.64	21.98
03146000	138.00	38.40	104.00	154.00	178.00	221.00	294.00	251.00	119.00	130.00	66.30	62.80	44.00
03146500	580.00	152.00	358.00	611.00	844.00	965.00	1,231.00	1,011.00	627.00	480.00	318.00	237.00	183.00
03147000	672.00	180.00	344.00	699.00	1,170.00	1,170.00	1,320.00	1,130.00	705.00	587.00	376.00	263.00	162.00
03147500	761.00	147.00	291.00	675.00	1,300.00	1,450.00	1,540.00	1,380.00	877.00	678.00	483.00	223.00	134.00
03149500	89.20	17.60	51.40	66.70	124.00	159.00	196.00	166.00	109.00	92.50	45.30	30.20	16.70
03151500	282.00	95.20	211.00	393.00	440.00	516.00	536.00	444.00	289.00	178.00	134.00	118.00	83.80
03152000	616.00	217.00	410.00	813.00	1,050.00	1,090.00	1,250.00	888.00	640.00	366.00	282.00	255.00	141.00
03152200	4.25	2.51	3.59	7.49	6.77	7.80	6.12	6.96	4.59	1.37	1.32	1.39	1.32
03152500	220.00	60.80	164.00	318.00	335.00	436.00	415.00	314.00	171.00	193.00	87.80	78.40	94.40
03153000	221.00	61.70	128.00	302.00	356.00	444.00	488.00	359.00	213.00	111.00	86.20	75.60	37.90
03153500	1,330.00	374.00	811.00	1,710.00	2,280.00	2,470.00	2,810.00	2,040.00	1,360.00	723.00	545.00	561.00	290.00
03154000	258.00	59.40	166.00	344.00	425.00	531.00	582.00	428.00	245.00	116.00	83.90	83.70	46.20
03154250	3.96	2.04	3.26	7.01	6.16	6.40	6.16	6.40	3.47	1.21	.98	1.64	2.01
03154500	95.30	27.50	55.70	126.00	160.00	183.00	209.00	156.00	96.60	34.40	37.10	41.40	21.70
03155000	2,090.00	536.00	1,250.00	2,800.00	3,450.00	3,990.00	4,450.00	3,350.00	2,090.00	1,160.00	822.00	811.00	450.00
03155200	313.00	90.90	198.00	441.00	525.00	627.00	635.00	453.00	261.00	248.00	109.00	91.10	104.00
03155500	583.00	142.00	330.00	783.00	960.00	1,120.00	1,180.00	966.00	634.00	339.00	235.00	213.00	128.00
03157000	86.70	24.90	43.50	82.50	118.00	144.00	181.00	155.00	107.00	70.50	53.90	36.80	26.50
03157500	459.00	119.00	214.00	408.00	666.00	772.00	976.00	849.00	549.00	340.00	279.00	216.00	171.00
03159500	986.00	222.00	513.00	969.00	1,490.00	1,710.00	2,120.00	1,780.00	1,230.00	706.00	485.00	357.00	300.00
03159540	168.00	68.20	103.00	194.00	248.00	298.00	334.00	305.00	246.00	72.00	66.40	54.90	36.50
03177000	36.80	8.79	17.00	48.00	60.50	76.80	80.70	46.00	37.90	23.70	12.50	22.80	10.50
03177500	128.00	32.90	60.70	178.00	224.00	268.00	291.00	170.00	119.00	80.50	45.90	49.60	32.10
03178000	218.00	44.30	94.40	270.00	402.00	441.00	449.00	303.00	269.00	138.00	72.70	90.30	52.70
03178500	43.30	6.51	20.50	52.30	68.90	91.30	108.00	74.50	56.00	20.10	12.10	7.25	4.31
03179000	474.00	152.00	243.00	521.00	691.00	920.00	1,130.00	829.00	606.00	270.00	142.00	115.00	92.30
03179500	472.00	157.00	181.00	405.00	856.00	904.00	1,200.00	717.00	420.00	291.00	273.00	181.00	85.00
03180000	5,650.00	4,220.00	4,400.00	5,420.00	8,310.00	7,860.00	9,050.00	8,280.00	5,920.00	4,290.00	3,550.00	3,370.00	3,210.00
03180500	256.00	109.00	180.00	321.00	377.00	420.00	568.00	426.00	288.00	154.00	89.90	77.20	69.40
03181200	5.37	3.48	4.73	8.95	7.30	9.17	9.43	8.40	5.50	2.95	1.75	1.31	1.25
03181500	770.00	447.00	448.00	689.00	1,660.00	1,350.00	1,360.00	1,180.00	696.00	639.00	361.00	215.00	171.00
03182000	148.80	46.42	103.40	194.20	228.00	288.40	317.50	231.20	168.10	87.99	54.13	37.35	36.30
03182500	846.70	298.60	499.60	898.00	1,280.00	1,510.00	1,980.00	1,400.00	1,010.00	464.40	357.00	298.20	205.00
03183000	78.70	26.10	41.10	87.70	107.00	158.00	201.00	134.00	99.80	43.70	22.90	15.20	12.50
03183500	1,990.00	729.00	1,180.00	2,230.00	3,100.00	3,490.00	4,560.00	3,060.00	2,310.00	1,330.00	848.00	712.00	433.00
03184000	2,240.00	822.00	1,220.00	2,660.00	3,430.00	4,080.00	5,130.00	3,540.00	2,660.00	1,390.00	798.00	735.00	479.00

Table 2C.—Mean monthly and annual flow - Eastern Coal Province—(continued)

QA - Mean annual discharge, in cubic feet per second. QN - Mean discharge, in cubic feet per second, for "N" calendar month.

ACTION NUMBER	QA	Q10	Q11	Q12	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
1184200	11.20	3.55	5.84	17.30	16.70	24.30	18.50	21.50	11.80	8.78	2.78	1.22	0.75
1185000	61.90	17.40	31.70	71.30	99.90	116.00	140.00	98.00	77.50	35.90	23.30	20.50	13.20
1185500	—	—	—	—	—	—	—	—	—	—	—	—	—
1186000	—	—	—	—	—	—	—	—	—	—	—	—	—
1186500	316.20	141.50	247.80	356.40	463.10	511.30	661.80	490.60	332.20	178.70	178.60	162.20	78.96
1187000	576.50	265.70	425.70	640.50	929.20	926.60	1,150.00	848.10	605.10	354.80	344.10	296.90	148.00
1187500	216.70	86.54	165.30	255.90	341.30	354.10	413.90	313.60	278.20	122.30	119.10	68.37	88.63
1189000	406.90	142.90	297.00	474.40	616.40	673.60	901.10	649.50	448.50	220.30	218.90	164.50	86.82
1189100	1,470.00	871.00	1,340.00	2,170.00	1,960.00	2,030.00	2,740.00	2,060.00	1,600.00	854.00	810.00	692.00	575.00
1189500	1,550.00	619.10	1,140.00	1,790.00	2,510.00	2,500.00	3,140.00	2,310.00	1,620.00	900.80	919.40	734.70	385.00
1189650	4.71	2.45	3.81	8.27	6.82	8.33	7.96	5.87	4.58	2.04	3.04	2.79	.64
1190000	524.80	160.30	309.20	593.80	887.60	974.70	1,190.00	835.20	571.90	298.30	208.20	195.40	90.47
1190400	778.00	357.00	685.00	1,140.00	1,140.00	1,200.00	1,470.00	1,030.00	929.00	476.00	373.00	370.00	194.00
1191500	63.21	13.53	39.98	76.61	97.43	117.50	143.30	96.34	69.03	34.23	36.24	26.94	9.90
1192000	2,640.00	802.00	1,630.00	3,010.00	4,000.00	4,620.00	5,530.00	4,060.00	3,060.00	1,580.00	1,610.00	1,320.00	557.00
1193830	3.96	3.13	4.02	6.67	5.10	6.65	7.26	5.63	3.63	2.02	.95	.85	1.38
1194000	408.00	225.00	291.00	383.00	886.00	624.00	696.00	626.00	369.00	346.00	236.00	120.00	115.00
1194700	703.00	371.00	669.00	977.00	939.00	994.00	1,420.00	1,050.00	685.00	419.00	351.00	317.00	249.00
1195000	664.70	233.80	464.70	758.80	1,020.00	1,160.00	1,310.00	971.20	694.00	453.50	422.00	352.30	149.80
1195600	9.62	4.42	8.87	15.30	15.50	15.60	14.40	17.20	8.12	5.53	2.81	3.17	3.71
1197000	1,950.00	536.50	1,100.00	2,210.00	3,140.00	3,530.00	4,110.00	3,040.00	2,150.00	1,040.00	1,220.00	963.40	415.00
1198450	9.69	2.48	6.16	14.80	15.00	20.00	18.50	18.00	8.60	4.23	4.07	2.59	2.55
1198500	517.00	109.00	215.00	567.00	872.00	1,010.00	1,250.00	893.00	546.00	272.00	228.00	165.00	90.00
1199000	355.00	63.00	134.00	388.00	567.00	695.00	865.00	632.00	383.00	206.00	162.00	112.00	62.20
1200500	1,250.00	395.00	811.00	1,500.00	1,940.00	2,160.00	2,650.00	2,030.00	1,420.00	751.00	602.00	458.00	306.00
1201000	296.00	81.60	176.00	375.00	521.00	603.00	635.00	463.00	269.00	143.00	120.00	100.00	60.50
1201410	13.10	7.08	9.30	17.50	22.10	17.40	26.60	21.20	16.00	4.92	4.12	8.33	3.78
1202000	620.00	93.30	215.00	563.00	904.00	1,220.00	1,510.00	1,290.00	882.00	360.00	218.00	128.00	104.00
1202400	465.00	182.00	254.00	500.00	758.00	801.00	824.00	795.00	609.00	340.00	195.00	209.00	111.00
1203000	984.00	159.00	358.00	998.00	1,570.00	2,110.00	2,470.00	1,700.00	1,070.00	541.00	476.00	299.00	149.00
1203600	1,140.00	319.00	706.00	1,480.00	1,820.00	1,890.00	2,540.00	1,800.00	1,360.00	663.00	411.00	399.00	302.00
1204000	1,600.00	279.00	643.00	1,640.00	2,570.00	3,230.00	4,020.00	2,730.00	1,810.00	900.00	689.00	526.00	286.00
1204500	289.00	36.00	136.00	356.00	476.00	585.00	692.00	506.00	319.00	145.00	114.00	74.60	60.30
1206500	15.20	.47	4.94	14.80	21.10	32.10	41.60	28.50	12.60	16.70	3.07	3.15	1.45
1206600	55.90	12.40	27.70	82.30	95.80	92.20	115.00	105.00	71.20	23.20	18.50	18.10	11.50
1207000	320.00	39.10	149.00	317.00	500.00	714.00	755.00	636.00	348.00	194.00	113.00	58.50	66.40
1207020	353.00	72.40	128.00	406.00	463.00	707.00	730.00	655.00	623.00	118.00	201.00	115.00	29.40
1207500	286.00	61.70	130.00	313.00	458.00	570.00	678.00	494.00	360.00	141.00	96.80	95.90	48.50
1207800	411.00	167.00	252.00	435.00	739.00	635.00	786.00	793.00	487.00	278.00	152.00	136.00	88.30
1208000	453.00	65.50	179.00	476.00	683.00	930.00	1,200.00	758.00	473.00	240.00	210.00	200.00	78.40
1208500	336.00	81.40	163.00	339.00	543.00	628.00	794.00	588.00	403.00	170.00	153.00	131.00	55.40
1208950	86.10	35.40	53.70	101.00	141.00	129.00	183.00	155.00	99.40	51.60	30.90	34.00	21.30
1209000	278.00	107.00	185.00	306.00	464.00	514.00	622.00	406.00	316.00	143.00	135.00	96.90	55.60
1209500	1,390.00	286.00	590.00	1,410.00	2,070.00	2,870.00	3,610.00	2,280.00	1,460.00	701.00	660.00	573.00	219.00
1210000	71.90	14.40	36.00	82.70	121.00	148.00	179.00	122.00	66.20	34.50	26.20	18.30	14.50
1211500	192.00	19.00	68.80	182.00	324.00	413.00	486.00	367.00	158.00	97.30	90.00	68.90	39.40
1212000	128.00	17.50	66.70	145.00	190.00	275.00	315.00	237.00	150.00	55.90	64.20	29.00	38.20
1212500	2,380.00	456.00	1,030.00	2,270.00	3,790.00	5,000.00	6,380.00	4,030.00	2,390.00	1,070.00	1,040.00	918.00	365.00
1213000	556.00	143.00	213.00	480.00	807.00	1,030.00	1,320.00	1,040.00	720.00	340.00	267.00	210.00	120.00
1213500	37.10	8.13	18.30	39.40	61.50	73.80	92.30	69.10	38.80	16.80	11.20	11.60	6.28
1213700	1,240.00	461.00	785.00	1,350.00	2,050.00	1,970.00	2,220.00	2,200.00	1,650.00	943.00	491.00	492.00	307.00
1214000	1,430.00	334.00	602.00	1,400.00	2,270.00	2,760.00	3,400.00	2,550.00	1,610.00	815.00	604.00	552.00	291.00
1215000	4,210.00	687.00	1,590.00	4,180.00	6,300.00	9,000.00	11,200.00	7,000.00	4,620.00	2,110.00	1,890.00	1,460.00	752.00
1215500	247.00	34.20	101.00	271.00	397.00	535.00	590.00	431.00	267.00	134.00	114.00	79.60	47.60
1216500	472.00	40.30	166.00	477.00	709.00	1,070.00	1,190.00	840.00	480.00	254.00	255.00	128.00	119.00
1216800	89.90	19.40	44.50	120.00	126.00	148.00	180.00	162.00	104.00	46.40	57.00	34.80	29.10
1217000	310.00	41.00	122.00	388.00	499.00	604.00	709.00	534.00	368.00	177.00	121.00	89.00	88.10
12231000	281.00	54.40	107.00	234.00	477.00	520.00	706.00	524.00	323.00	201.00	98.90	69.70	61.70
12231500	3,360.00	786.00	1,650.00	3,270.00	5,520.00	5,680.00	7,220.00	6,010.00	3,790.00	2,830.00	1,680.00	1,200.00	828.00
12232000	232.00	49.40	115.00	250.00	385.00	427.00	497.00	384.00	291.00	185.00	97.70	61.40	65.40
12232500	149.00	53.50	101.00	160.00	187.00	240.00	314.00	224.00	174.00	102.00	89.00	61.40	70.80
12234000	771.00	139.00	298.00	681.00	1,380.00	1,400.00	1,850.00	1,400.00	924.00	488.00	363.00	316.00	183.00
12234500	4,550.00	1,010.00	1,970.00	3,990.00	7,020.00	7,620.00	10,200.00	8,590.00	5,380.00	3,720.00	2,430.00	1,830.00	1,410.00
12235000	10.40	.75	3.38	11.40	23.00	22.70	18.80	19.00	10.00	4.93	5.73	3.34	1.97
12235500	1.24	.07	.38	1.07	1.82	2.20	3.20	3.27	1.92	.52	.25	.14	.15
12237280	14.40	2.92	5.94	19.20	18.20	23.20	33.70	32.70	16.50	6.69	4.09	4.87	5.42
12237500	456.00	92.10	251.00	541.00	786.00	815.00	1,040.00	741.00	474.00	241.00	213.00	168.00	163.00
12238500	259.00	54.20	155.00	299.00	461.00	489.00	569.00	425.00	233.00	146.00	107.00	98.30	98.30
12239000	—	—	—	—	—	—	—	—	—	—	—	—	—
12239500	—	—	—	—	—	—	—	—	—	—	—	—	—
12240000	96.49	23.05	42.99	63.46	112.90	154.60	241.70	190.70	124.80	78.25	49.48	52.99	26.67

Table 2C.—Mean monthly and annual flow - Eastern Coal Province—(continued)

QA - Mean annual discharge, in cubic feet per second. QN - Mean discharge, in cubic feet per second, for "N" calendar month.

STATION NUMBER	QA	Q10	Q11	Q12	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
1240500	26.10	4.28	11.40	20.20	31.00	44.60	65.90	46.50	37.10	20.00	13.20	12.80	5.31
1241000	18.10	1.72	6.63	13.30	21.20	32.00	45.80	32.00	29.20	15.60	8.53	8.35	1.93
1241500	59.10	12.80	33.70	57.70	76.00	97.20	129.00	105.00	76.60	53.40	34.20	23.20	12.00
1242050	398.00	160.00	298.00	486.00	521.00	598.00	649.00	673.00	399.00	398.00	278.00	172.00	155.00
1242150	75.40	15.90	75.20	109.00	108.00	130.00	145.00	125.00	71.50	62.00	39.40	12.10	16.10
1242200	87.70	28.70	71.90	126.00	125.00	156.00	159.00	142.00	68.80	60.70	42.20	29.60	38.30
1242300	210.00	31.40	147.00	229.00	259.00	357.00	535.00	425.00	343.00	147.00	72.90	43.50	40.00
1242500	698.00	143.00	295.00	556.00	1,220.00	1,360.00	1,410.00	1,270.00	781.00	674.00	304.00	211.00	192.00
1244000	224.00	33.80	130.00	220.00	313.00	398.00	481.00	439.00	293.00	175.00	120.00	60.60	38.10
1245500	1,220.00	308.00	676.00	1,250.00	1,910.00	2,080.00	2,490.00	2,140.00	1,410.00	943.00	681.00	462.00	370.00
1246200	255.00	101.00	233.00	411.00	377.00	413.00	455.00	378.00	176.00	163.00	84.30	118.00	140.00
1246500	277.00	44.70	182.00	308.00	509.00	468.00	650.00	479.00	287.00	119.00	72.10	71.70	107.00
1247500	542.00	101.00	319.00	564.00	1,010.00	1,030.00	1,200.00	922.00	519.00	291.00	256.00	175.00	139.00
1248500	175.00	26.80	77.20	210.00	289.00	375.00	415.00	328.00	179.00	78.70	61.50	46.20	30.80
1249500	1,040.00	104.00	413.00	1,060.00	1,570.00	2,210.00	2,520.00	1,910.00	1,200.00	568.00	597.00	340.00	169.00
1250000	74.10	10.40	31.70	89.90	115.00	143.00	175.00	130.00	81.70	35.80	38.90	22.20	20.40
1250100	140.00	37.00	75.00	220.00	226.00	214.00	243.00	229.00	163.00	57.50	73.20	77.90	64.60
1255500	65.70	25.60	40.90	63.70	83.10	100.00	139.00	111.00	79.60	47.00	46.20	27.20	27.30
1258000	—	—	—	—	—	—	—	—	—	—	—	—	—
1277400	59.50	20.00	39.40	80.70	99.80	86.20	127.00	111.00	73.20	34.00	18.00	14.40	11.90
1277500	581.00	107.00	306.00	656.00	972.00	1,170.00	1,440.00	978.00	572.00	289.00	236.00	188.00	88.60
1278000	2.88	.31	.87	2.97	4.55	6.61	6.65	7.61	3.18	.87	.99	.85	.26
1278500	254.00	50.70	129.00	322.00	448.00	500.00	595.00	448.00	268.00	138.00	76.50	59.90	43.40
1280000	1,360.00	211.00	717.00	1,430.00	2,260.00	2,880.00	3,360.00	2,360.00	1,340.00	650.00	566.00	429.00	221.00
1280600	310.00	67.40	202.00	413.00	549.00	536.00	720.00	577.00	336.00	146.00	87.70	66.30	31.70
1280700	101.00	25.80	67.70	125.00	171.00	168.00	230.00	185.00	113.00	50.70	37.40	28.80	18.60
1281000	683.00	49.30	259.00	740.00	1,220.00	1,600.00	1,600.00	1,180.00	595.00	340.00	345.00	223.00	81.40
1281100	276.00	89.50	181.00	401.00	480.00	453.00	591.00	511.00	286.00	108.00	119.00	58.20	43.00
1281500	1,070.00	167.00	610.00	1,350.00	1,940.00	2,130.00	2,460.00	1,770.00	1,000.00	551.00	440.00	281.00	139.00
1282000	3,520.00	396.00	1,900.00	3,840.00	5,790.00	8,130.00	8,050.00	5,910.00	3,380.00	1,830.00	1,700.00	1,120.00	491.00
1282500	90.50	14.80	41.50	121.00	142.00	176.00	209.00	176.00	91.90	31.60	33.10	30.20	16.50
1283000	34.90	4.57	14.80	44.80	45.60	80.10	76.30	72.30	36.40	11.50	17.30	10.40	3.49
1283500	486.00	68.10	226.00	575.00	814.00	980.00	1,100.00	862.00	473.00	246.00	289.00	205.00	116.00
1285000	466.00	62.90	245.00	654.00	852.00	951.00	1,020.00	725.00	404.00	224.00	183.00	99.30	190.00
1304500	2.58	.19	1.36	3.00	3.52	5.58	6.85	5.07	2.76	1.34	.96	.31	.15
1305000	31.50	2.05	15.50	39.70	44.50	64.90	78.00	64.50	35.90	14.20	14.20	4.44	2.23
1305500	54.00	1.16	22.60	44.10	78.80	148.00	123.00	103.00	50.40	43.40	27.60	9.07	3.28
1400500	145.00	38.10	91.10	179.00	243.00	273.00	309.00	226.00	150.00	81.00	77.00	55.30	28.90
1400800	146.00	57.30	156.00	203.00	260.00	195.00	321.00	218.00	162.00	69.20	39.40	44.60	20.00
1401000	701.00	163.00	439.00	918.00	1,270.00	1,340.00	1,530.00	1,070.00	687.00	357.00	339.00	226.00	107.00
1402000	115.00	23.60	72.30	156.00	213.00	219.00	252.00	185.00	107.00	60.40	58.60	34.40	16.20
1403000	1,410.00	277.00	871.00	1,830.00	2,590.00	2,810.00	3,240.00	2,300.00	1,360.00	740.00	681.00	412.00	192.00
1403500	1,790.00	351.00	1,220.00	2,440.00	3,210.00	3,420.00	3,890.00	2,780.00	1,930.00	915.00	646.00	412.00	240.00
1403910	624.00	181.00	510.00	846.00	1,120.00	978.00	1,240.00	963.00	737.00	346.00	251.00	193.00	109.00
1404000	2,780.00	574.00	1,720.00	3,780.00	5,010.00	5,200.00	6,480.00	4,610.00	2,730.00	1,340.00	1,040.00	662.00	341.00
1404500	3,220.00	624.00	1,770.00	3,740.00	6,080.00	6,330.00	7,330.00	5,140.00	3,220.00	1,680.00	1,430.00	963.00	481.00
1404900	99.10	42.60	115.00	126.00	215.00	149.00	184.00	136.00	73.90	49.70	37.50	30.40	32.50
1405000	338.00	37.80	176.00	487.00	657.00	750.00	741.00	495.00	306.00	170.00	143.00	64.70	47.70
1406000	5.34	1.00	2.12	6.16	7.57	11.30	12.20	9.36	5.87	3.07	2.83	1.79	1.18
1406500	941.00	152.00	497.00	1,230.00	1,780.00	1,920.00	2,090.00	1,500.00	842.00	516.00	421.00	234.00	166.00
1407000	1,090.00	201.00	783.00	1,660.00	2,050.00	1,980.00	2,100.00	1,490.00	1,420.00	836.00	366.00	141.00	140.00
1407100	.91	.14	.58	1.03	1.71	2.16	2.27	1.80	.73	.42	.34	.13	.19
1407300	1.22	.28	.73	1.61	2.08	2.54	2.62	2.10	1.15	.59	.51	.31	.29
1407500	281.00	74.90	147.00	429.00	485.00	544.00	569.00	433.00	243.00	154.00	126.00	67.50	114.00
1408000	—	—	—	—	—	—	—	—	—	—	—	—	—
1408500	746.00	128.00	468.00	1,080.00	1,500.00	1,540.00	1,640.00	1,120.00	656.00	309.00	286.00	159.00	106.00
1409500	465.00	46.00	210.00	592.00	925.00	1,100.00	1,110.00	731.00	398.00	177.00	159.00	88.40	67.20
1410500	1,810.00	385.00	1,180.00	2,660.00	3,540.00	3,680.00	3,890.00	2,650.00	1,630.00	788.00	661.00	402.00	297.00
1411000	2,200.00	463.00	1,360.00	2,660.00	4,640.00	4,330.00	4,810.00	3,170.00	1,960.00	1,180.00	829.00	728.00	425.00
1411500	7,630.00	1,500.00	4,060.00	8,970.00	16,400.00	15,400.00	16,500.00	11,000.00	7,000.00	4,250.00	3,320.00	2,230.00	1,220.00
1412500	43.60	5.78	17.10	55.60	69.50	105.00	101.00	75.50	37.70	21.10	19.10	11.20	7.87
1413200	71.40	17.30	36.70	102.00	135.00	118.00	146.00	130.00	58.70	42.80	27.00	27.90	18.20
1414000	8,250.00	869.00	3,170.00	8,270.00	17,800.00	19,000.00	18,300.00	12,100.00	6,570.00	4,740.00	4,800.00	2,480.00	18.20
1414500	386.00	57.40	217.00	478.00	772.00	923.00	889.00	565.00	329.00	166.00	128.00	63.60	1,290.00
1415000	159.00	19.30	80.40	185.00	326.00	397.00	386.00	234.00	121.00	67.60	52.00	27.00	66.20
1415500	752.00	126.00	433.00	917.00	1,300.00	1,490.00	1,740.00	1,270.00	666.00	408.00	265.00	279.00	25.00
1416000	177.00	23.10	95.50	214.00	355.00	426.00	416.00	256.00	136.00	96.50	66.00	24.80	174.00
1418000	106.00	16.90	46.80	113.00	204.00	246.00	254.00	161.00	84.40	59.00	50.20	27.60	28.90
1418500	207.00	21.10	87.00	309.00	451.00	542.00	465.00	338.00	177.00	53.00	31.90	49.50	24.40
1420000	370.00	69.00	216.00	449.00	683.00	841.00	842.00	562.00	309.00	152.00	156.00	92.30	21.60



Table 2C.—Mean monthly and annual flow - Eastern Coal Province—(continued)

QA - Mean annual discharge, in cubic feet per second. QN - Mean discharge, in cubic feet per second, for "N" calendar month.

STATION NUMBER	QA	Q10	Q11	Q12	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9
0420500	218.00	60.20	102.00	217.00	434.00	530.00	438.00	292.00	175.00	122.00	100.00	93.00	74.50
0421000	1,140.00	218.00	664.00	1,360.00	2,000.00	2,580.00	2,570.00	1,760.00	968.00	612.00	440.00	325.00	254.00
0423000	111.00	13.60	49.30	130.00	257.00	267.00	233.00	148.00	90.90	51.00	39.40	33.80	31.10
0467000	240.00	64.60	120.00	234.00	403.00	588.00	542.00	326.00	231.00	124.00	134.00	84.10	42.30
0471500	112.00	51.60	71.00	115.00	155.00	203.00	207.00	170.00	135.00	90.60	59.70	53.80	43.80
0472500	100.00	18.00	48.70	99.90	160.00	226.00	190.00	185.00	118.00	56.20	50.60	38.50	18.80
0473000	479.00	224.00	282.00	488.00	681.00	842.00	891.00	724.00	542.00	349.00	298.00	269.00	175.00
0473500	9.04	4.09	5.16	7.50	11.30	17.70	15.40	13.40	9.60	6.05	8.23	5.85	4.75
0474000	168.00	74.40	97.60	178.00	245.00	312.00	322.00	252.00	202.00	117.00	80.90	76.60	62.50
0474500	202.00	93.50	121.00	258.00	269.00	378.00	310.00	265.00	229.00	218.00	114.00	91.20	91.10
0475000	241.00	119.00	132.00	202.00	363.00	430.00	435.00	345.00	272.00	176.00	154.00	168.00	96.20
0477500	14.10	5.71	6.03	10.10	18.20	26.30	27.20	20.90	17.40	11.20	10.60	9.24	6.94
0478400	35.90	20.10	20.70	34.20	45.60	55.50	62.90	55.50	42.40	31.90	24.90	21.00	17.10
0487550	47.10	26.80	29.80	53.80	77.30	79.60	87.30	76.80	45.10	28.40	25.30	20.00	17.00
0488000	301.00	121.00	167.00	337.00	480.00	566.00	608.00	446.00	350.00	209.00	128.00	125.00	87.60
0489500	684.00	217.00	375.00	951.00	1,080.00	1,360.00	1,100.00	903.00	827.00	603.00	327.00	270.00	246.00
0490000	913.00	327.00	440.00	960.00	1,530.00	1,820.00	1,980.00	1,420.00	983.00	502.00	421.00	390.00	225.00
0491000	56.30	12.10	24.30	57.60	90.90	137.00	149.00	87.10	48.60	24.10	24.00	16.50	8.43
0496000	22.20	6.09	14.20	26.60	38.70	53.40	45.10	29.10	20.00	11.50	10.90	6.93	5.53
0521500	196.00	77.40	117.00	216.00	321.00	365.00	405.00	295.00	221.00	115.00	86.40	82.50	54.60
0524000	718.00	275.00	404.00	806.00	1,180.00	1,370.00	1,460.00	1,020.00	767.00	465.00	343.00	344.00	214.00
0524500	145.00	16.50	58.80	181.00	261.00	320.00	316.00	214.00	186.00	78.60	56.20	35.00	25.00
0526000	141.00	47.90	73.90	149.00	217.00	299.00	285.00	215.00	158.00	81.80	73.40	56.20	46.50
0527000	1,600.00	495.00	823.00	1,830.00	2,700.00	3,170.00	3,340.00	2,310.00	1,770.00	964.00	806.00	722.00	411.00
0528000	2,060.00	603.00	1,010.00	2,270.00	3,370.00	4,220.00	4,510.00	3,020.00	2,140.00	1,220.00	1,050.00	961.00	510.00
0528300	13.30	4.21	5.06	10.10	19.60	26.80	34.10	24.20	11.10	7.35	7.65	6.06	4.56
0528400	3.57	1.03	1.54	2.84	5.48	7.72	8.36	5.64	3.73	2.10	2.25	1.30	1.04
0529500	208.00	30.20	87.00	248.00	404.00	468.00	421.00	301.00	245.00	113.00	75.50	75.40	35.20
0531000	553.00	147.00	433.00	766.00	819.00	1,070.00	945.00	740.00	767.00	352.00	301.00	192.00	132.00
0531500	547.00	157.00	298.00	656.00	999.00	1,070.00	1,200.00	831.00	534.00	287.00	247.00	205.00	102.00
0532000	1,130.00	283.00	608.00	1,300.00	1,940.00	2,340.00	2,490.00	1,640.00	1,090.00	654.00	598.00	460.00	251.00
0533000	4,620.00	1,420.00	2,480.00	5,040.00	7,930.00	8,230.00	9,470.00	6,620.00	4,960.00	3,240.00	2,590.00	2,240.00	1,410.00
0535000	92.90	24.60	69.50	110.00	122.00	175.00	233.00	141.00	89.10	44.70	59.60	31.70	18.80
0537000	9.61	5.34	7.67	11.30	11.40	16.40	16.20	11.60	6.32	6.09	7.35	6.79	6.54
0538225	182.00	55.60	134.00	289.00	311.00	283.00	393.00	238.00	156.00	95.50	136.00	61.40	34.20
0538250	53.20	30.90	45.80	68.40	75.20	70.90	91.10	62.10	49.00	40.30	44.70	31.70	28.80
0538500	148.00	13.30	65.40	226.00	329.00	352.00	319.00	205.00	113.00	47.20	54.90	30.40	22.80
0539500	174.00	21.80	101.00	276.00	373.00	433.00	360.00	257.00	143.00	46.60	39.40	33.30	19.40
0539600	267.00	66.20	264.00	366.00	383.00	498.00	667.00	434.00	229.00	84.00	112.00	61.90	47.20
0539800	1,090.00	314.00	1,030.00	1,620.00	2,000.00	1,750.00	2,670.00	1,630.00	1,080.00	440.00	466.00	149.00	187.00
0540500	1,410.00	153.00	844.00	1,940.00	2,740.00	3,280.00	3,280.00	2,120.00	1,160.00	539.00	448.00	267.00	210.00
0541500	215.00	20.10	104.00	319.00	506.00	512.00	475.00	302.00	166.00	48.10	65.10	48.70	35.80
0543500	190.00	47.60	111.00	210.00	342.00	442.00	417.00	282.00	142.00	81.60	107.00	59.90	56.50
0544500	107.00	18.20	88.10	148.00	219.00	227.00	232.00	153.00	93.30	43.80	35.70	20.60	14.30
0545500	91.90	33.60	56.90	85.50	97.20	183.00	212.00	151.00	85.60	57.30	67.00	44.60	35.40
0546420	34.10	14.30	22.80	45.70	63.80	58.50	78.10	47.10	28.70	13.90	18.70	8.65	19.60
05467500	692.00	232.00	472.00	741.00	1,200.00	1,480.00	1,440.00	1,000.00	593.00	328.00	366.00	236.00	261.00
05471000	728.00	135.00	422.00	866.00	1,280.00	1,590.00	1,660.00	1,180.00	643.00	343.00	283.00	218.00	160.00
05472900	278.00	90.50	203.00	348.00	540.00	527.00	685.00	460.00	221.00	112.00	134.00	38.40	52.60
0547500	689.00	184.00	419.00	909.00	1,380.00	1,580.00	1,530.00	1,060.00	555.00	232.00	238.00	105.00	160.00
05475000	556.00	207.00	343.00	617.00	1,020.00	1,140.00	1,220.00	798.00	495.00	275.00	279.00	178.00	171.00
05476148	277.00	107.00	173.00	378.00	565.00	485.00	637.00	415.00	280.00	59.00	88.50	55.40	83.20
05476250	194.00	35.10	107.00	242.00	373.00	457.00	423.00	280.00	150.00	76.40	89.70	50.60	45.00
05476400	93.70	12.50	35.70	155.00	159.00	171.00	249.00	135.00	89.80	38.50	39.10	28.40	13.10
05476500	146.00	23.70	79.30	192.00	303.00	382.00	332.00	284.00	116.00	35.40	47.40	31.10	23.30
05478000	134.00	21.40	86.50	161.00	223.00	303.00	299.00	239.00	139.00	51.20	48.80	30.20	19.00
05479100	482.00	93.30	251.00	546.00	894.00	1,050.00	1,040.00	761.00	450.00	260.00	204.00	154.00	116.00
05482000	1,390.00	256.00	601.00	1,220.00	2,990.00	3,420.00	2,830.00	2,090.00	1,100.00	693.00	707.00	460.00	379.00
05484000	581.00	80.40	313.00	601.00	1,160.00	1,510.00	1,340.00	922.00	486.00	202.00	195.00	127.00	102.00
05484500	3,030.00	814.00	1,680.00	3,440.00	5,620.00	6,770.00	6,350.00	4,300.00	2,750.00	1,660.00	1,300.00	1,070.00	783.00
05485300	257.00	62.40	156.00	346.00	332.00	453.00	614.00	500.00	280.00	107.00	90.30	88.50	60.80
05486500	268.00	62.60	144.00	302.00	581.00	628.00	652.00	416.00	205.00	89.10	85.30	53.70	57.50
05489250	21.30	6.73	7.90	18.90	29.30	38.10	43.10	40.10	25.20	15.70	12.90	10.70	8.59
05490000	382.00	114.00	228.00	331.00	723.00	892.00	762.00	534.00	348.00	221.00	183.00	153.00	122.00
05491800	266.00	105.00	157.00	385.00	462.00	475.00	580.00	450.00	258.00	115.00	77.10	56.90	73.40
05492000	501.00	200.00	299.00	613.00	900.00	808.00	1,130.00	924.00	503.00	256.00	194.00	135.00	137.00
05492200	342.00	91.70	219.00	475.00	590.00	610.00	851.00	612.00	326.00	128.00	83.50	64.00	63.30
05492300	144.00	38.60	100.00	201.00	249.00	234.00	334.00	251.00	150.00	66.90	42.50	37.00	30.30
05492500	1,130.00	241.00	625.00	1,340.00	2,100.00	2,330.00	2,620.00	1,900.00	1,090.00	521.00	404.00	276.00	258.00



Table 2E.—Flow duration statistics - Eastern Coal Province

DN - Flow duration characteristic; discharge, in cubic feet per second, exceeded "N" percent of time

STATION NUMBER	D95	D90	D75	D70	D50	D25	D10
01516500	0.20	0.40	1.10	1.40	3.50	11.00	30.00
01517000	.00	.20	.90	1.20	3.50	11.00	27.00
01518000	17.00	24.00	48.00	59.00	130.00	370.00	790.00
01518500	4.30	6.30	13.00	15.00	35.00	110.00	270.00
01520000	5.90	10.00	27.00	36.00	94.00	290.00	680.00
01541000	42.00	57.00	110.00	130.00	270.00	660.00	1,300.00
01541308	2.00	2.50	4.20	4.80	7.70	15.00	27.00
01541500	42.00	55.00	110.00	130.00	280.00	700.00	1,400.00
01542000	14.00	17.00	30.00	36.00	66.00	140.00	250.00
01542500	210.00	260.00	530.00	650.00	1,400.00	3,200.00	5,800.00
01546000	6.30	13.00	32.00	37.00	85.00	200.00	480.00
01546500	31.00	37.00	47.00	51.00	68.00	110.00	160.00
01547100	110.00	120.00	150.00	160.00	190.00	270.00	370.00
01547200	100.00	120.00	160.00	170.00	250.00	460.00	800.00
01547500	110.00	120.00	160.00	170.00	230.00	460.00	840.00
01547700	2.10	3.70	8.60	11.00	25.00	71.00	150.00
01547800	3.00	3.80	7.50	8.80	16.00	29.00	51.00
01547950	40.00	52.00	91.00	110.00	190.00	360.00	610.00
01548000	140.00	160.00	230.00	250.00	430.00	920.00	1,700.00
01556000	59.00	70.00	100.00	110.00	200.00	470.00	890.00
01556500	15.00	17.00	29.00	36.00	82.00	190.00	340.00
01557500	5.30	7.60	17.00	20.00	41.00	96.00	180.00
01558000	72.00	81.00	110.00	120.00	210.00	460.00	830.00
01559000	210.00	250.00	350.00	390.00	640.00	1,300.00	2,400.00
01559500	16.00	19.00	30.00	36.00	75.00	180.00	340.00
01595000	11.00	17.00	37.00	45.00	95.00	210.00	410.00
01595500	31.00	42.00	88.00	110.00	250.00	560.00	1,100.00
01595800	46.00	63.00	130.00	160.00	310.00	670.00	1,300.00
01596000	39.00	53.00	110.00	130.00	280.00	600.00	1,100.00
01596500	2.50	3.80	9.30	12.00	31.00	86.00	190.00
01597000	1.70	2.10	4.10	5.20	13.00	35.00	72.00
01598000	4.70	8.10	21.00	28.00	72.00	190.00	390.00
01599000	5.10	6.50	12.00	15.00	35.00	96.00	200.00
01600000	98.00	120.00	190.00	220.00	450.00	1,100.00	2,100.00
01601000	3.40	5.50	15.00	19.00	61.00	200.00	480.00
01601500	22.00	28.00	52.00	64.00	140.00	380.00	790.00
01603000	120.00	150.00	250.00	300.00	620.00	1,500.00	3,000.00
01603500	2.70	3.40	5.80	6.90	15.00	37.00	74.00
01609000	5.80	10.00	22.00	28.00	66.00	170.00	380.00
01609500	.00	.01	.04	.08	.80	3.50	11.00
01610000	310.00	390.00	670.00	810.00	1,700.00	3,900.00	7,500.00
01610155	.80	2.20	11.00	17.00	42.00	120.00	290.00
01612500	.07	.20	.80	1.10	4.00	15.00	38.00
01613000	390.00	490.00	840.00	1,000.00	2,100.00	4,800.00	9,600.00
01614500	78.00	99.00	160.00	180.00	340.00	700.00	1,300.00
01617800	3.20	3.70	5.80	6.70	11.00	18.00	27.00
01618000	630.00	810.00	1,400.00	1,700.00	3,200.00	6,900.00	3,000.00
01619000	33.00	39.00	54.00	60.00	90.00	150.00	230.00
01619500	82.00	94.00	130.00	140.00	200.00	350.00	540.00
01620500	.60	1.20	3.30	4.50	12.00	29.00	61.00
01622000	52.00	62.00	98.00	110.00	200.00	400.00	790.00
01624300	35.00	43.00	65.00	72.00	110.00	200.00	350.00
01625000	67.00	80.00	110.00	120.00	190.00	330.00	610.00
01626000	28.00	32.00	42.00	47.00	79.00	160.00	270.00
01627500	58.00	68.00	93.00	100.00	160.00	280.00	470.00
01628500	190.00	230.00	330.00	370.00	590.00	1,100.00	2,000.00
01629500	310.00	350.00	480.00	540.00	830.00	1,400.00	2,500.00
01631000	320.00	380.00	530.00	590.00	940.00	1,700.00	3,100.00
01632000	2.50	4.90	16.00	22.00	62.00	180.00	430.00
01632900	11.00	14.00	23.00	26.00	44.00	80.00	140.00
01633000	31.00	44.00	77.00	93.00	180.00	410.00	820.00
01633500	7.00	8.20	13.00	15.00	33.00	78.00	150.00
01634000	90.00	110.00	160.00	180.00	320.00	630.00	1,200.00
01634500	7.50	9.70	17.00	20.00	40.00	96.00	200.00
01635500	2.90	4.20	8.30	10.00	25.00	73.00	150.00
02011500	8.20	12.00	24.00	31.00	78.00	200.00	420.00
02012500	78.00	90.00	130.00	150.00	270.00	550.00	1,100.00
02013000	16.00	19.00	28.00	32.00	66.00	170.00	360.00
02014000	24.00	27.00	40.00	46.00	86.00	190.00	400.00
02016000	73.00	86.00	120.00	140.00	260.00	550.00	1,200.00

Table 2E.—Flow duration statistics - Eastern Coal Province—(continued)

DN - Flow duration characteristic; discharge, in cubic feet  
per second, exceeded "N" percent of time

STATION NUMBER	D95	D90	D75	D70	D50	D25	D10
02016500	230.00	260.00	380.00	430.00	830.00	1,800.00	3,600.00
02017500	11.00	14.00	22.00	26.00	59.00	140.00	290.00
02018000	42.00	49.00	76.00	90.00	180.00	420.00	860.00
02018500	3.50	4.40	7.40	8.70	17.00	38.00	77.00
02019000	8.20	11.00	22.00	25.00	47.00	110.00	230.00
02019500	360.00	410.00	610.00	700.00	1,300.00	2,700.00	5,300.00
02020500	5.20	7.80	18.00	24.00	62.00	170.00	370.00
02021000	14.00	17.00	32.00	40.00	93.00	200.00	490.00
02021500	24.00	30.00	52.00	65.00	150.00	400.00	860.00
02022500	6.30	7.50	10.00	11.00	18.00	35.00	67.00
02023000	61.00	73.00	110.00	130.00	250.00	560.00	1,200.00
02023500	20.00	22.00	30.00	35.00	69.00	150.00	280.00
02024000	87.00	100.00	160.00	190.00	340.00	730.00	1,500.00
02024500	160.00	180.00	270.00	310.00	480.00	1,000.00	2,100.00
02444000	15.00	20.00	33.00	38.00	79.00	200.00	420.00
02444500	570.00	740.00	1,300.00	1,500.00	3,300.00	11,000.00	25,000.00
02445000	3.60	5.90	16.00	20.00	46.00	150.00	370.00
02445500	23.00	30.00	54.00	64.00	130.00	440.00	1,100.00
02446000	50.00	61.00	100.00	120.00	240.00	810.00	1,700.00
02446500	54.00	72.00	130.00	150.00	320.00	950.00	1,900.00
02447000	62.00	85.00	160.00	200.00	470.00	1,500.00	2,700.00
02448500	54.00	69.00	120.00	140.00	340.00	1,500.00	5,000.00
02450000	11.00	18.00	51.00	67.00	220.00	730.00	1,600.00
02450200	.02	.04	.10	.40	3.30	19.00	46.00
02450250	4.30	6.30	15.00	19.00	57.00	150.00	380.00
02450500	19.00	25.00	53.00	67.00	160.00	610.00	1,500.00
02451000	23.00	28.00	46.00	53.00	99.00	250.00	540.00
02453000	9.80	14.00	31.00	38.00	90.00	320.00	790.00
02453500	100.00	150.00	370.00	490.00	1,100.00	3,400.00	8,500.00
02454000	1.00	2.10	7.20	9.90	35.00	190.00	490.00
02454200	.30	.70	2.50	3.70	20.00	94.00	300.00
02455000	11.00	17.00	41.00	54.00	170.00	570.00	1,300.00
02455500	30.00	40.00	93.00	120.00	310.00	1,100.00	2,400.00
02456000	14.00	16.00	24.00	28.00	52.00	130.00	270.00
02456500	55.00	74.00	150.00	190.00	490.00	1,600.00	3,400.00
02460500	.50	11.00	54.00	64.00	110.00	200.00	390.00
02462600	.00	.00	.10	.20	1.30	8.10	20.00
02462800	1.20	2.10	4.80	6.30	19.00	64.00	160.00
02463500	6.90	9.70	19.00	22.00	49.00	150.00	320.00
02464000	7.40	12.00	29.00	37.00	110.00	380.00	910.00
02464500	26.00	36.00	67.00	79.00	170.00	520.00	1,300.00
02465500	3.80	5.10	9.40	12.00	26.00	74.00	160.00
02466500	4.10	5.40	12.00	14.00	34.00	100.00	510.00
02467500	97.00	120.00	170.00	190.00	330.00	810.00	2,200.00
03008000	.10	.40	1.70	2.40	5.90	14.00	28.00
03010500	55.00	77.00	190.00	250.00	500.00	1,200.00	2,300.00
03011800	9.70	14.00	25.00	29.00	50.00	98.00	170.00
03015000	110.00	140.00	270.00	340.00	910.00	2,100.00	3,800.00
03015280	1.80	2.40	4.70	5.80	12.00	28.00	53.00
03015500	49.00	63.00	120.00	150.00	290.00	680.00	1,400.00
03016000	500.00	610.00	1,300.00	1,600.00	3,400.00	8,400.00	13,000.00
03017500	29.00	40.00	91.00	110.00	240.00	550.00	1,000.00
03019000	45.00	61.00	130.00	170.00	400.00	1,100.00	2,100.00
03020500	45.00	59.00	120.00	140.00	280.00	620.00	1,200.00
03021500	19.00	26.00	59.00	78.00	190.00	480.00	1,000.00
03021700	.00	.09	.40	.70	2.30	6.70	19.00
03022500	52.00	75.00	150.00	200.00	510.00	1,300.00	2,700.00
03023000	1.60	2.70	10.00	14.00	46.00	160.00	400.00
03023500	120.00	150.00	280.00	370.00	850.00	2,100.00	4,400.00
03024000	110.00	140.00	310.00	400.00	920.00	2,300.00	4,400.00
03025000	26.00	32.00	60.00	73.00	140.00	320.00	620.00
03025200	1.10	1.30	2.50	3.00	5.70	12.00	20.00
03026500	.50	.90	2.60	3.50	7.70	17.00	32.00
03028000	11.00	14.00	30.00	36.00	72.00	150.00	290.00
03029000	42.00	53.00	120.00	160.00	310.00	740.00	1,400.00
03029400	1.10	1.50	3.20	4.00	8.90	25.00	48.00
03029500	99.00	130.00	280.00	360.00	800.00	2,000.00	3,400.00
03031950	.90	1.30	2.60	3.30	6.70	16.00	29.00
03032500	57.00	77.00	160.00	200.00	430.00	1,100.00	2,200.00
03034000	25.00	32.00	61.00	73.00	150.00	340.00	640.00

Table 2E.--Flow duration statistics - Eastern Coal Province--(continued)

DN - Flow duration characteristic; discharge, in cubic feet  
per second, exceeded "N" percent of time

STATION NUMBER	D95	D90	D75	D70	D50	D25	D10
03034500	4.70	8.10	24.00	32.00	73.00	180.00	380.00
03035000	30.00	43.00	88.00	110.00	260.00	670.00	1,400.00
03038000	11.00	15.00	37.00	48.00	120.00	310.00	700.00
03039200	.20	.40	1.10	1.50	3.30	7.20	14.00
03040000	36.00	59.00	130.00	160.00	350.00	840.00	1,700.00
03041000	13.00	21.00	53.00	64.00	140.00	350.00	670.00
03042000	38.00	48.00	92.00	110.00	200.00	440.00	830.00
03042200	.60	.90	2.40	3.10	6.70	16.00	32.00
03043000	42.00	60.00	130.00	160.00	340.00	810.00	1,600.00
03045000	11.00	18.00	54.00	70.00	160.00	370.00	720.00
03045500	29.00	44.00	79.00	95.00	200.00	500.00	1,100.00
03049000	7.10	10.00	27.00	36.00	90.00	230.00	470.00
03049800	.10	.20	.80	1.10	2.70	7.20	16.00
03050000	8.70	19.00	54.00	70.00	170.00	400.00	840.00
03050500	12.00	26.00	79.00	110.00	230.00	600.00	1,200.00
03051500	7.00	16.00	49.00	66.00	160.00	330.00	630.00
03052000	6.80	16.00	57.00	79.00	190.00	440.00	830.00
03052500	.40	.90	3.40	4.60	12.00	32.00	63.00
03053500	17.00	35.00	110.00	140.00	310.00	730.00	1,400.00
03054500	55.00	110.00	330.00	430.00	1,000.00	2,300.00	4,600.00
03056500	84.00	150.00	420.00	550.00	1,400.00	3,100.00	6,300.00
03057500	.02	.50	3.30	4.70	13.00	40.00	100.00
03058000	1.30	3.80	15.00	21.00	57.00	170.00	430.00
03058500	2.60	6.80	29.00	39.00	100.00	300.00	770.00
03059000	2.00	9.80	58.00	80.00	210.00	610.00	1,500.00
03059500	2.90	4.90	13.00	16.00	44.00	120.00	280.00
03061000	38.00	63.00	150.00	190.00	470.00	1,300.00	2,900.00
03061500	2.60	4.70	16.00	21.00	59.00	170.00	410.00
03062400	.08	.40	2.20	3.30	8.00	20.00	41.00
03062500	2.90	4.60	13.00	17.00	47.00	120.00	250.00
03063600	.30	.50	1.30	1.60	3.90	12.00	26.00
03065000	36.00	64.00	170.00	210.00	410.00	930.00	1,800.00
03066000	12.00	19.00	45.00	55.00	110.00	240.00	470.00
03069000	41.00	69.00	140.00	170.00	310.00	650.00	1,300.00
03069500	100.00	180.00	390.00	480.00	940.00	2,100.00	3,900.00
03069880	.90	1.80	5.00	6.50	15.00	34.00	68.00
03070000	120.00	220.00	530.00	650.00	1,300.00	2,700.00	5,300.00
03070500	10.00	19.00	64.00	85.00	210.00	510.00	990.00
03071000	130.00	240.00	690.00	870.00	1,700.00	3,700.00	6,800.00
03071500	200.00	280.00	650.00	800.00	1,600.00	3,600.00	7,700.00
03072000	3.60	6.20	22.00	30.00	92.00	280.00	690.00
03072590	.40	.70	2.80	3.70	8.40	22.00	46.00
03073000	1.30	2.70	14.00	19.00	64.00	210.00	510.00
03074500	17.00	21.00	30.00	33.00	57.00	120.00	210.00
03075500	14.00	23.00	59.00	74.00	160.00	360.00	710.00
03076600	5.80	8.70	19.00	23.00	48.00	110.00	200.00
03078000	4.20	7.50	21.00	28.00	62.00	150.00	290.00
03078500	.50	1.00	3.90	5.30	15.00	43.00	92.00
03079000	34.00	53.00	120.00	150.00	330.00	790.00	1,500.00
03080000	13.00	21.00	54.00	69.00	150.00	330.00	640.00
03082200	.30	.80	2.80	3.70	9.10	22.00	46.00
03083000	.20	.30	.80	1.10	2.70	6.50	14.00
03084000	.20	.30	.90	1.10	2.40	6.20	14.00
03084500	2.30	3.80	9.70	13.00	32.00	85.00	180.00
03085500	48.00	55.00	76.00	84.00	140.00	310.00	590.00
03086100	.30	.60	2.30	3.10	7.60	21.00	41.00
03086500	5.20	7.20	15.00	18.00	33.00	81.00	210.00
03088000	2.60	3.20	4.50	5.10	8.90	26.00	24.00
03089500	.30	.40	1.00	1.20	2.90	11.00	37.00
03090500	6.10	8.70	20.00	23.00	50.00	160.00	540.00
03092000	.20	.30	.70	1.00	3.00	14.00	50.00
03092090	1.60	2.30	4.40	5.20	11.00	26.00	62.00
03092500	7.40	9.00	14.00	15.00	27.00	76.00	210.00
03093000	9.60	13.00	20.00	23.00	41.00	100.00	260.00
03096000	.20	.70	5.50	8.10	32.00	160.00	340.00
03098500	1.30	2.30	5.70	7.20	17.00	50.00	150.00
03102950	2.10	4.00	17.00	23.00	53.00	150.00	320.00
03103000	4.30	6.40	15.00	20.00	60.00	240.00	570.00
03104000	28.00	40.00	95.00	120.00	300.00	850.00	1,700.00
03104760	.09	.10	.20	.30	.80	2.70	8.30

Table 2E.—Flow duration statistics - Eastern Coal Province--(continued)

DN - Flow duration characteristic; discharge, in cubic feet  
per second, exceeded "N" percent of time

STATION NUMBER	D95	D90	D75	D70	D50	D25	D10
03106000	20.00	28.00	66.00	84.00	200.00	540.00	1,100.00
03106300	1.80	2.80	11.00	15.00	37.00	95.00	210.00
03106500	49.00	62.00	110.00	130.00	270.00	690.00	1,400.00
03108000	14.00	18.00	38.00	46.00	99.00	240.00	480.00
03109000	.20	.30	.60	.70	2.10	6.20	13.00
03109500	36.00	47.00	92.00	110.00	230.00	590.00	1,200.00
03110000	6.00	9.80	23.00	29.00	69.00	190.00	390.00
03111150	.00	.20	.90	1.30	3.70	11.00	23.00
03111500	16.00	20.00	34.00	39.00	70.00	155.00	270.00
03112000	3.10	7.80	34.00	47.00	130.00	370.00	860.00
03113700	.20	.30	1.00	1.30	3.20	7.90	15.00
03114000	1.40	3.70	16.00	22.00	63.00	180.00	370.00
03114500	4.40	12.00	48.00	68.00	210.00	640.00	1,600.00
03114650	.09	.20	.40	.50	1.40	4.60	13.00
03115400	1.40	3.70	18.00	25.00	81.00	280.00	640.00
03116000	43.00	49.00	63.00	67.00	87.00	150.00	340.00
03116200	8.90	11.00	19.00	23.00	45.00	130.00	350.00
03117000	88.00	99.00	130.00	140.00	210.00	440.00	1,000.00
03117500	27.00	32.00	53.00	63.00	120.00	320.00	630.00
03118000	2.50	3.50	7.20	8.70	17.00	38.00	78.00
03119000	86.00	100.00	140.00	160.00	260.00	560.00	1,100.00
03122500	200.00	230.00	340.00	380.00	650.00	1,600.00	3,400.00
03125000	.00	.00	.10	.10	.40	1.30	3.00
03130500	.30	.40	.80	.90	1.60	4.40	12.00
03134000	4.20	5.40	10.00	12.00	27.00	82.00	220.00
03136000	120.00	140.00	180.00	200.00	370.00	950.00	2,100.00
03136500	23.00	27.00	40.00	46.00	83.00	190.00	420.00
03137000	55.00	66.00	94.00	110.00	200.00	500.00	1,100.00
03138500	180.00	210.00	290.00	330.00	620.00	1,600.00	3,400.00
03139000	42.00	51.00	82.00	95.00	180.00	460.00	1,100.00
03140000	.40	.90	2.50	3.40	10.00	30.00	64.00
03142200	.00	.10	2.10	3.40	14.00	49.00	140.00
03144000	7.80	11.00	22.00	28.00	62.00	170.00	350.00
03146000	4.00	5.40	12.00	15.00	39.00	110.00	310.00
03146500	53.00	64.00	100.00	120.00	240.00	590.00	1,400.00
03147000	65.00	78.00	120.00	140.00	260.00	670.00	1,600.00
03147500	74.00	86.00	130.00	150.00	310.00	800.00	1,800.00
03149500	1.50	2.90	7.40	10.00	31.00	87.00	210.00
03151500	3.50	8.10	34.00	47.00	130.00	340.00	700.00
03152000	8.40	19.00	66.00	89.00	240.00	670.00	1,600.00
03152200	.03	.07	.40	.50	1.50	4.20	11.00
03152500	1.90	5.20	20.00	27.00	71.00	210.00	490.00
03153000	.80	2.80	14.00	21.00	65.00	210.00	530.00
03153500	14.00	36.00	120.00	170.00	470.00	1,400.00	3,300.00
03154000	1.10	3.10	16.00	22.00	71.00	250.00	630.00
03154250	.03	.06	.20	.40	1.20	3.60	9.00
03154500	.40	.80	3.70	5.30	20.00	78.00	220.00
03155000	31.00	80.00	230.00	310.00	770.00	2,200.00	5,600.00
03155200	3.00	6.40	23.00	33.00	93.00	280.00	750.00
03155500	3.90	11.00	37.00	52.00	170.00	550.00	1,500.00
03157000	13.00	16.00	22.00	25.00	42.00	89.00	180.00
03157500	44.00	54.00	87.00	100.00	200.00	480.00	1,000.00
03159500	66.00	83.00	150.00	180.00	400.00	1,000.00	2,400.00
03159540	4.60	7.10	17.00	22.00	53.00	150.00	380.00
03177000	2.70	3.50	6.00	7.10	14.00	38.00	86.00
03177500	5.80	8.20	19.00	24.00	53.00	130.00	300.00
03178000	17.00	22.00	40.00	47.00	120.00	260.00	500.00
03178500	.30	.70	3.30	4.60	16.00	48.00	110.00
03179000	25.00	34.00	72.00	89.00	200.00	530.00	1,100.00
03179500	19.00	28.00	59.00	75.00	190.00	500.00	1,100.00
03180000	1,200.00	1,600.00	2,400.00	2,600.00	4,100.00	6,800.00	11,000.00
03180500	10.00	18.00	46.00	59.00	130.00	310.00	610.00
03181200	.10	.20	.50	.70	2.10	6.10	13.00
03181500	38.00	52.00	140.00	180.00	390.00	870.00	1,800.00
03182000	9.30	12.00	23.00	28.00	64.00	160.00	350.00
03182500	34.00	54.00	140.00	180.00	410.00	1,000.00	2,100.00
03183000	4.90	6.00	11.00	13.00	31.00	85.00	180.00
03183500	100.00	150.00	320.00	410.00	940.00	2,300.00	4,800.00
03184000	100.00	160.00	360.00	450.00	1,100.00	2,700.00	5,400.00
03184200	.06	.10	.70	1.00	3.70	12.00	27.00



Table 2E.—Flow duration statistics - Eastern Coal Province—(continued)

DN - Flow duration characteristic; discharge, in cubic feet per second, exceeded "N" percent of time

STATION NUMBER	D95	D90	D75	D70	D50	D25	D10
03185000	2.20	3.70	9.10	12.00	30.00	73.00	140.00
03185500	1,400.00	1,700.00	2,700.00	3,100.00	5,500.00	10,000.00	19,000.00
03186000	2,000.00	2,300.00	3,100.00	3,500.00	5,500.00	1,000.00	9,000.00
03186500	9.70	20.00	67.00	86.00	180.00	400.00	770.00
03187000	20.00	39.00	120.00	150.00	330.00	730.00	1,400.00
03187500	9.70	18.00	52.00	64.00	130.00	270.00	520.00
03189000	6.70	15.00	62.00	84.00	210.00	520.00	1,000.00
03189100	86.00	150.00	370.00	440.00	850.00	1,800.00	3,400.00
03189500	41.00	93.00	320.00	410.00	850.00	1,900.00	3,700.00
03189650	.05	.09	.40	.70	2.10	5.30	11.00
03190000	11.00	22.00	69.00	93.00	260.00	690.00	1,400.00
03190400	41.00	67.00	170.00	220.00	450.00	1,000.00	1,900.00
03191500	1.30	2.70	7.20	9.60	25.00	71.00	160.00
03192000	55.00	130.00	470.00	610.00	1,400.00	3,300.00	6,500.00
03193830	.03	.07	.30	.50	1.40	4.10	9.90
03194000	17.00	27.00	74.00	98.00	210.00	470.00	960.00
03194700	42.00	68.00	160.00	190.00	390.00	850.00	1,700.00
03195000	21.00	44.00	140.00	170.00	360.00	800.00	1,600.00
03195600	.20	.40	1.00	1.40	3.50	10.00	23.00
03197000	38.00	93.00	320.00	410.00	970.00	2,400.00	4,800.00
03198450	.30	.60	1.40	1.80	4.20	11.00	23.00
03198500	15.00	24.00	61.00	76.00	210.00	610.00	1,300.00
03199000	8.70	16.00	40.00	52.00	140.00	410.00	850.00
03200500	50.00	100.00	290.00	350.00	700.00	1,500.00	2,800.00
03201000	.80	2.20	14.00	21.00	73.00	260.00	740.00
03201410	.20	.40	1.20	1.60	3.80	9.40	23.00
03202000	11.00	21.00	60.00	77.00	210.00	710.00	1,700.00
03202400	49.00	67.00	120.00	140.00	260.00	530.00	960.00
03203000	35.00	52.00	120.00	150.00	390.00	1,100.00	2,400.00
03203600	80.00	99.00	190.00	240.00	550.00	1,300.00	2,400.00
03204000	63.00	95.00	210.00	260.00	670.00	1,800.00	4,000.00
03204500	1.30	3.10	14.00	20.00	76.00	270.00	720.00
03206500	.00	.00	.30	.50	1.60	8.80	29.00
03206600	.60	1.30	4.50	6.30	19.00	55.00	130.00
03207000	1.40	5.00	19.00	26.00	92.00	340.00	840.00
03207020	7.80	14.00	34.00	45.00	130.00	340.00	810.00
03207500	6.60	12.00	29.00	39.00	110.00	310.00	670.00
03207800	20.00	31.00	73.00	90.00	190.00	420.00	870.00
03208000	8.70	17.00	43.00	55.00	150.00	490.00	1,100.00
03208500	5.90	12.00	35.00	46.00	130.00	330.00	750.00
03208950	4.00	5.90	14.00	18.00	41.00	91.00	180.00
03209000	5.40	11.00	37.00	47.00	110.00	290.00	660.00
03209500	32.00	58.00	150.00	200.00	510.00	1,500.00	3,300.00
03210000	.60	1.40	4.80	6.40	22.00	73.00	170.00
03211500	1.70	3.50	13.00	18.00	53.00	190.00	480.00
03212000	1.60	2.80	7.90	11.00	36.00	120.00	310.00
03212500	54.00	97.00	250.00	320.00	890.00	2,700.00	6,000.00
03213000	42.00	56.00	100.00	130.00	260.00	640.00	1,300.00
03213500	.70	1.10	3.20	4.30	13.00	37.00	86.00
03213700	110.00	160.00	290.00	340.00	680.00	1,400.00	2,700.00
03214000	77.00	110.00	220.00	280.00	640.00	1,600.00	3,200.00
03215000	160.00	240.00	520.00	660.00	1,800.00	5,100.00	11,000.00
03215500	2.60	4.50	15.00	20.00	69.00	240.00	590.00
03216500	6.80	11.00	30.00	40.00	120.00	430.00	1,100.00
03216800	.60	1.40	5.80	8.50	28.00	82.00	190.00
03217000	2.60	5.80	21.00	28.00	86.00	290.00	700.00
03231000	7.60	12.00	23.00	29.00	77.00	250.00	650.00
03231500	270.00	330.00	540.00	640.00	1,300.00	3,400.00	8,600.00
03232000	1.90	4.00	15.00	22.00	72.00	230.00	590.00
03232500	4.70	8.80	23.00	27.00	59.00	160.00	360.00
03234000	23.00	33.00	74.00	98.00	250.00	780.00	1,900.00
03234500	380.00	470.00	790.00	950.00	1,800.00	4,800.00	11,000.00
03235000	.10	.20	.50	.70	2.30	8.30	22.00
03235500	.00	.00	.00	.00	.20	1.20	3.10
03237280	.00	.10	.60	.90	3.00	13.00	31.00
03237500	2.50	5.40	23.00	34.00	100.00	340.00	970.00
03238500	.90	2.50	9.90	14.00	42.00	140.00	540.00
03239000	—	—	—	—	—	—	—
03239500	—	—	—	—	—	—	—
03240000	12.00	16.00	26.00	30.00	55.00	120.00	240.00

Table 2E.--Flow duration statistics - Eastern Coal Province--(continued)

DN - Flow duration characteristic; discharge, in cubic feet per second, exceeded "N" percent of time

STATION NUMBER	D95	D90	D75	D70	D50	D25	D10
03240500	0.90	1.40	3.30	4.20	9.80	28.00	65.00
03241000	.20	.40	1.20	1.90	5.20	16.00	45.00
03241500	2.90	4.30	8.90	11.00	25.00	61.00	140.00
03242050	47.00	62.00	100.00	120.00	200.00	410.00	780.00
03242150	1.60	2.50	7.50	11.00	28.00	75.00	190.00
03242200	1.20	2.30	8.90	12.00	30.00	82.00	210.00
03242300	2.00	4.10	15.00	22.00	64.00	200.00	500.00
03242500	58.00	72.00	110.00	140.00	270.00	670.00	1,500.00
03244000	1.60	2.80	14.00	19.00	58.00	180.00	520.00
03245500	76.00	99.00	180.00	220.00	450.00	1,200.00	2,800.00
03246200	3.10	5.20	18.00	23.00	59.00	190.00	540.00
03246500	.40	1.60	11.00	17.00	47.00	170.00	620.00
03247500	3.70	7.10	25.00	36.00	96.00	340.00	1,200.00
03248500	1.60	3.10	14.00	20.00	58.00	180.00	420.00
03249500	17.00	31.00	82.00	110.00	340.00	1,100.00	2,800.00
03250000	.20	.80	3.80	5.40	19.00	64.00	160.00
03250100	.90	2.30	9.60	15.00	46.00	130.00	320.00
03255500	12.00	17.00	28.00	32.00	52.00	130.00	330.00
03258000	—	—	—	—	—	—	—
03277400	1.70	2.30	5.40	7.00	19.00	57.00	130.00
03277500	12.00	23.00	56.00	72.00	200.00	590.00	1,300.00
03278000	.00	.04	.10	.20	.60	2.80	6.80
03278500	2.30	4.90	18.00	24.00	84.00	250.00	570.00
03280000	26.00	52.00	140.00	180.00	490.00	1,500.00	3,300.00
03280600	3.80	7.30	23.00	32.00	110.00	340.00	700.00
03280700	1.30	2.50	8.00	11.00	34.00	100.00	230.00
03281000	5.60	13.00	52.00	70.00	220.00	730.00	1,700.00
03281100	3.80	6.30	21.00	27.00	86.00	270.00	600.00
03281500	9.10	23.00	80.00	110.00	340.00	1,100.00	2,600.00
03282000	83.00	170.00	420.00	520.00	1,300.00	4,200.00	9,400.00
03282500	.80	1.80	6.30	8.70	31.00	86.00	210.00
03283000	.20	.30	1.80	2.60	9.00	30.00	77.00
03283500	13.00	21.00	53.00	67.00	170.00	500.00	1,200.00
03285000	.50	2.00	21.00	32.00	120.00	400.00	1,100.00
03304500	.00	.00	.06	.10	.60	2.20	5.90
03305000	.00	.10	.60	1.10	6.30	26.00	72.00
03305500	.02	.10	1.20	1.90	8.70	39.00	130.00
03400500	8.80	13.00	26.00	32.00	73.00	170.00	330.00
03400800	4.60	10.00	25.00	32.00	71.00	160.00	330.00
03401000	30.00	48.00	110.00	130.00	320.00	780.00	1,600.00
03402000	4.80	6.60	15.00	18.00	44.00	120.00	250.00
03403000	44.00	74.00	180.00	230.00	560.00	1,600.00	3,100.00
03403500	50.00	87.00	220.00	290.00	750.00	1,900.00	4,400.00
03403910	33.00	46.00	96.00	120.00	300.00	670.00	1,400.00
03404000	88.00	140.00	350.00	450.00	1,200.00	3,000.00	6,900.00
03404500	76.00	140.00	400.00	520.00	1,400.00	3,600.00	8,300.00
03404900	2.30	3.70	12.00	17.00	44.00	100.00	230.00
03405000	1.80	2.70	13.00	21.00	110.00	360.00	880.00
03406000	.40	.40	.70	.90	2.20	5.70	12.00
03406500	14.00	24.00	75.00	110.00	320.00	1,000.00	2,200.00
03407000	18.00	29.00	83.00	110.00	450.00	1,100.00	2,400.00
03407100	.04	.05	.09	.10	.20	.90	2.20
03407300	.10	.10	.20	.20	.40	1.30	2.70
03407500	.30	1.30	16.00	24.00	88.00	270.00	640.00
03408000	4.90	10.00	40.00	62.00	220.00	650.00	1,500.00
03408500	6.00	16.00	57.00	79.00	250.00	760.00	1,700.00
03409500	6.10	11.00	35.00	47.00	160.00	500.00	1,200.00
03410500	54.00	81.00	200.00	260.00	690.00	1,900.00	4,200.00
03411000	60.00	94.00	230.00	300.00	870.00	2,300.00	5,100.00
03411500	200.00	310.00	910.00	1,200.00	3,400.00	8,500.00	19,000.00
03412500	.40	.70	2.70	3.80	12.00	44.00	100.00
03413200	2.70	3.30	6.80	9.00	25.00	65.00	140.00
03414000	210.00	340.00	1,000.00	1,300.00	3,400.00	9,400.00	21,000.00
03414500	10.00	15.00	34.00	46.00	160.00	460.00	970.00
03415000	5.00	6.40	13.00	17.00	48.00	170.00	370.00
03415500	23.00	34.00	79.00	100.00	300.00	790.00	1,800.00
03416000	8.80	12.00	23.00	28.00	73.00	200.00	430.00
03418000	6.30	8.00	16.00	19.00	42.00	110.00	250.00
03418500	.50	1.30	7.40	12.00	63.00	230.00	530.00
03420000	25.00	31.00	57.00	68.00	150.00	410.00	870.00

Table 2E.—Flow duration statistics - Eastern Coal Province--(continued)

DN - Flow duration characteristic; discharge, in cubic feet  
per second, exceeded "N" percent of time

STATION NUMBER	D95	D90	D75	D70	D50	D25	D10
03420500	45.00	49.00	61.00	66.00	99.00	210.00	410.00
03421000	90.00	110.00	190.00	220.00	520.00	1,300.00	2,600.00
03423000	4.60	6.00	12.00	16.00	38.00	110.00	250.00
03467000	19.00	23.00	34.00	40.00	82.00	220.00	530.00
03471500	25.00	28.00	40.00	45.00	72.00	130.00	230.00
03472500	9.30	14.00	24.00	28.00	53.00	120.00	220.00
03473000	94.00	110.00	160.00	190.00	300.00	570.00	1,000.00
03473500	3.30	3.60	4.30	4.60	6.20	9.70	16.00
03474000	33.00	38.00	53.00	60.00	95.00	180.00	350.00
03474500	37.00	44.00	63.00	73.00	120.00	220.00	410.00
03475000	49.00	59.00	85.00	94.00	150.00	280.00	500.00
03477500	4.20	4.70	6.00	6.60	10.00	19.00	28.00
03478400	10.00	12.00	16.00	18.00	28.00	44.00	66.00
03487550	6.40	7.60	13.00	15.00	27.00	53.00	95.00
03488000	32.00	40.00	67.00	79.00	160.00	340.00	660.00
03489500	73.00	94.00	180.00	210.00	380.00	780.00	1,500.00
03490000	90.00	110.00	190.00	230.00	450.00	1,000.00	2,000.00
03491000	4.60	5.70	9.70	12.00	25.00	62.00	130.00
03496000	3.10	3.60	5.40	6.20	12.00	26.00	47.00
03521500	24.00	29.00	47.00	54.00	100.00	220.00	430.00
03524000	78.00	98.00	170.00	200.00	380.00	810.00	1,600.00
03524500	3.80	7.30	20.00	26.00	67.00	160.00	330.00
03526000	24.00	28.00	38.00	43.00	73.00	160.00	300.00
03527000	150.00	190.00	340.00	410.00	860.00	1,900.00	3,700.00
03528000	210.00	270.00	480.00	570.00	1,100.00	2,400.00	4,800.00
03528300	2.60	3.00	3.80	4.20	6.90	14.00	30.00
03528400	.80	.80	1.00	1.10	1.70	3.60	7.30
03529500	12.00	18.00	33.00	40.00	96.00	230.00	470.00
03531000	27.00	40.00	97.00	120.00	270.00	570.00	1,200.00
03531500	36.00	50.00	96.00	120.00	250.00	590.00	1,300.00
03532000	110.00	140.00	240.00	290.00	590.00	1,300.00	2,600.00
03533000	510.00	710.00	1,200.00	1,500.00	2,600.00	5,300.00	11,000.00
03535000	8.30	9.70	18.00	21.00	43.00	100.00	210.00
03537000	3.60	4.00	4.80	5.00	6.00	9.10	18.00
03538225	9.30	12.00	25.00	31.00	75.00	180.00	370.00
03538250	19.00	21.00	25.00	26.00	33.00	53.00	89.00
03538500	.20	.70	5.70	9.30	42.00	150.00	350.00
03539500	.50	1.00	5.60	9.40	55.00	200.00	440.00
03539600	2.40	5.30	20.00	31.00	110.00	290.00	640.00
03539800	12.00	25.00	85.00	120.00	440.00	1,200.00	2,600.00
03540500	7.10	18.00	88.00	130.00	540.00	1,700.00	3,600.00
03541500	.40	1.10	7.80	13.00	57.00	230.00	540.00
03543500	21.00	24.00	35.00	40.00	80.00	210.00	420.00
03544500	.20	.30	2.60	5.60	40.00	130.00	260.00
03565500	23.00	25.00	34.00	38.00	61.00	110.00	190.00
03566420	3.70	4.30	6.10	7.00	14.00	33.00	72.00
03567500	110.00	130.00	170.00	190.00	300.00	670.00	1,500.00
03571000	49.00	64.00	120.00	140.00	340.00	870.00	1,800.00
03572900	1.10	3.40	18.00	27.00	120.00	330.00	670.00
03574500	14.00	21.00	47.00	62.00	210.00	700.00	1,700.00
03575000	83.00	94.00	130.00	140.00	230.00	540.00	1,100.00
03576148	2.00	3.80	16.00	25.00	100.00	320.00	730.00
03576250	15.00	18.00	26.00	30.00	62.00	200.00	430.00
03576400	3.20	4.20	8.50	11.00	29.00	96.00	200.00
03576500	.20	.70	5.70	8.80	37.00	140.00	350.00
03578000	2.70	4.50	13.00	18.00	56.00	160.00	330.00
03579100	51.00	56.00	86.00	100.00	220.00	550.00	1,100.00
03582000	180.00	200.00	290.00	330.00	620.00	1,600.00	3,200.00
03584000	32.00	41.00	76.00	93.00	200.00	610.00	1,400.00
03584500	240.00	290.00	520.00	620.00	1,300.00	3,200.00	7,000.00
03585300	34.00	41.00	58.00	65.00	110.00	250.00	550.00
03586500	2.30	4.50	15.00	21.00	66.00	230.00	620.00
03589250	4.20	5.30	7.20	7.70	12.00	24.00	44.00
03590000	65.00	72.00	96.00	110.00	190.00	430.00	760.00
03591800	14.00	19.00	36.00	44.00	100.00	270.00	590.00
03592000	39.00	50.00	86.00	100.00	220.00	580.00	1,400.00
03592200	13.00	18.00	39.00	50.00	120.00	350.00	790.00
03592300	11.00	15.00	25.00	29.00	59.00	150.00	310.00
03592500	65.00	86.00	170.00	200.00	470.00	1,300.00	2,800.00

Table 2F.--Flow duration statistics - Interior Coal Province

STATION NUMBER	D95	D90	D75	D70	D50	D25	D10
03308500	120.00	160.00	330.00	410.00	940.00	2,700.00	6,500.00
03309000	160.00	200.00	380.00	460.00	1,000.00	3,000.00	7,200.00
03310300	50.00	60.00	100.00	120.00	240.00	580.00	1,100.00
03310500	69.00	83.00	140.00	160.00	330.00	860.00	1,800.00
03311000	69.00	82.00	130.00	150.00	320.00	850.00	1,900.00
03311500	260.00	330.00	620.00	750.00	1,600.00	4,500.00	10,000.00
03312000	.20	.50	1.40	1.80	6.40	28.00	84.00
03314500	120.00	160.00	310.00	380.00	860.00	2,600.00	5,900.00
03315000	120.00	200.00	420.00	530.00	1,200.00	2,800.00	5,700.00
03316000	.40	2.00	6.70	9.70	34.00	130.00	350.00
03317000	16.00	19.00	32.00	40.00	99.00	300.00	690.00
03317500	.30	.50	1.70	2.40	7.90	31.00	85.00
03318000	17.00	24.00	50.00	65.00	170.00	570.00	1,700.00
03318200	.00	.20	.80	1.00	3.50	17.00	50.00
03318500	18.00	24.00	55.00	75.00	220.00	690.00	2,400.00
03318800	.00	.20	2.90	5.90	34.00	160.00	500.00
03319000	22.00	29.00	62.00	80.00	240.00	900.00	3,000.00
03320500	.00	.70	6.00	9.80	46.00	210.00	750.00
03321350	.10	.50	3.00	4.70	24.00	86.00	210.00
03329400	.40	.60	1.50	1.80	3.40	7.60	18.00
03329700	20.00	26.00	43.00	50.00	96.00	240.00	550.00
03332300	2.10	3.30	6.00	7.50	15.00	32.00	66.00
03332400	18.00	23.00	43.00	51.00	88.00	170.00	310.00
03334000	31.00	38.00	66.00	79.00	150.00	360.00	880.00
03334500	27.00	33.00	53.00	62.00	110.00	230.00	550.00
03335000	83.00	110.00	170.00	200.00	340.00	760.00	1,700.00
03335690	.70	1.00	4.10	5.80	17.00	46.00	96.00
03335700	14.00	18.00	38.00	50.00	120.00	290.00	610.00
03336500	.02	.20	.70	1.30	6.80	21.00	54.00
03336900	7.20	9.30	16.00	20.00	46.00	110.00	230.00
03337000	1.10	1.20	1.60	1.70	2.30	3.90	9.00
03337500	3.40	4.10	6.50	8.10	21.00	57.00	130.00
03338000	14.00	18.00	31.00	41.00	110.00	280.00	590.00
03338500	25.00	32.00	64.00	88.00	270.00	760.00	1,800.00
03339000	38.00	51.00	110.00	140.00	380.00	1,000.00	2,300.00
03339108	5.60	7.10	11.00	12.00	19.00	37.00	78.00
03339120	14.00	22.00	37.00	43.00	80.00	170.00	350.00
03339150	2.30	5.40	18.00	27.00	77.00	190.00	430.00
03339500	19.00	27.00	59.00	75.00	170.00	420.00	1,200.00
03340000	41.00	54.00	93.00	110.00	230.00	570.00	1,400.00
03340800	5.40	8.00	17.00	21.00	51.00	130.00	310.00
03341200	3.00	6.10	13.00	17.00	39.00	100.00	230.00
03342150	.10	.10	.40	.60	2.20	8.90	29.00
03343400	.50	1.50	11.00	19.00	57.00	160.00	380.00
03344500	.00	.00	.00	.00	.30	1.40	6.90
03345500	26.00	40.00	120.00	160.00	420.00	1,300.00	3,200.00
03346000	1.00	2.30	9.20	13.00	41.00	150.00	560.00
03357000	330.00	400.00	630.00	730.00	1,400.00	3,200.00	6,900.00
03357350	.00	.00	.20	.30	1.00	3.40	8.60
03357500	14.00	21.00	50.00	62.00	140.00	340.00	760.00
03358000	5.10	7.60	20.00	26.00	70.00	200.00	570.00
03359500	.60	1.20	4.40	6.10	18.00	48.00	110.00
03360500	460.00	580.00	1,000.00	1,200.00	2,300.00	5,500.00	11,000.00
03372700	9.70	12.00	16.00	18.00	30.00	67.00	150.00
03373000	4.10	7.90	27.00	37.00	130.00	550.00	2,000.00
03373200	.30	.90	3.00	4.00	12.00	43.00	120.00
03373700	19.00	24.00	49.00	62.00	160.00	430.00	960.00
03375800	.10	.30	1.70	2.50	8.00	25.00	72.00
03376260	.00	.20	1.20	1.80	4.60	14.00	46.00
03376300	4.10	8.30	33.00	47.00	200.00	1,000.00	1,900.00
03378000	.00	.00	1.50	2.60	16.00	120.00	750.00
03378550	.00	.20	2.40	4.20	20.00	72.00	230.00
03378900	7.10	12.00	32.00	40.00	97.00	350.00	1,600.00
03379500	4.90	9.80	33.00	45.00	140.00	640.00	2,800.00
03380350	.20	.50	2.20	3.40	15.00	77.00	420.00
03380475	.00	.00	.50	1.00	6.60	37.00	170.00
03380500	.60	1.40	5.30	7.70	33.00	190.00	1,000.00
03381500	19.00	32.00	110.00	150.00	490.00	3,300.00	8,000.00
03383000	.20	.80	7.50	13.00	58.00	310.00	1,100.00
03384000	.00	.00	.00	.00	.00	.50	2.90



Table 2F.--Flow duration statistics - Interior Coal Province--(continued)

STATION NUMBER	D95	D90	D75	D70	D50	D25	D10
03437500	0.80	1.20	3.50	5.00	18.00	66.00	160.00
03438070	.00	.07	.80	1.20	7.00	30.00	99.00
05554000	.40	.80	3.50	5.20	31.00	120.00	350.00
05554500	3.40	5.80	18.00	28.00	110.00	410.00	980.00
05555000	1.40	3.70	21.00	35.00	180.00	690.00	1,800.00
05555500	11.00	16.00	43.00	64.00	240.00	770.00	1,900.00
05556500	1.70	2.60	7.30	11.00	43.00	140.00	320.00
05557000	.09	.40	1.90	2.90	13.00	47.00	110.00
05557500	.04	.09	1.10	1.90	11.00	44.00	110.00
05558000	38.00	45.00	60.00	68.00	150.00	340.00	740.00
05558500	.20	.40	1.90	2.90	13.00	35.00	79.00
05559000	.00	.00	.00	.00	1.00	3.00	7.10
05559500	.00	.10	1.70	3.00	20.00	65.00	150.00
05561000	.00	.00	.00	.00	1.00	5.00	15.00
05563000	2.20	3.00	5.80	7.10	20.00	62.00	140.00
05563500	5.10	7.50	16.00	21.00	53.00	140.00	360.00
05564400	.00	.10	1.60	3.00	14.00	37.00	82.00
05564500	.00	.00	.40	1.00	7.80	32.00	81.00
05565000	.00	.00	.00	.02	1.60	7.30	17.00
05566000	.01	.03	.07	.09	.50	3.50	9.70
05566500	.00	.10	.50	.80	4.30	18.00	47.00
05567000	.40	.70	2.00	2.70	13.00	53.00	130.00
05567500	6.40	11.00	33.00	49.00	180.00	550.00	1,300.00
05568000	36.00	45.00	79.00	99.00	250.00	760.00	1,700.00
05568800	1.50	2.30	6.50	8.00	20.00	47.00	100.00
05569500	26.00	37.00	82.00	110.00	280.00	720.00	1,600.00
05570000	41.00	58.00	140.00	180.00	430.00	1100.00	2,400.00
05571000	3.00	5.80	18.00	27.00	90.00	270.00	660.00
05572000	7.30	12.00	33.00	47.00	150.00	450.00	1,000.00
05574000	.00	.00	.04	.10	.70	2.80	9.70
05574500	.30	2.00	11.00	17.00	56.00	180.00	470.00
05575500	2.70	5.30	20.00	28.00	87.00	340.00	1,000.00
05576000	3.90	9.60	39.00	54.00	160.00	550.00	1,500.00
05576500	36.00	48.00	130.00	180.00	600.00	1,900.00	4,700.00
05577500	.00	.00	2.20	4.30	19.00	58.00	150.00
05578500	6.90	11.00	25.00	34.00	94.00	250.00	570.00
05579500	4.50	6.40	14.00	18.00	53.00	150.00	360.00
05580000	2.20	4.10	13.00	18.00	58.00	160.00	360.00
05580500	5.10	7.50	18.00	24.00	71.00	200.00	450.00
05581500	12.00	16.00	28.00	34.00	84.00	220.00	450.00
05582000	93.00	120.00	200.00	260.00	600.00	1,500.00	2,900.00
05582500	2.60	4.00	6.50	7.20	11.00	21.00	33.00
05584400	.00	.10	1.20	1.90	8.10	23.00	47.00
05584500	5.10	10.00	30.00	40.00	110.00	370.00	980.00
05585000	19.00	28.00	68.00	88.00	230.00	720.00	2,100.00
05586000	.00	.00	.70	1.30	6.90	20.00	48.00
05586500	.00	.00	.00	.00	.30	1.50	3.50
05586800	.00	.00	.40	.80	4.90	23.00	74.00
05587000	4.50	7.70	24.00	33.00	96.00	330.00	1,100.00
05588000	.00	.00	.40	.60	3.00	12.00	38.00
05589500	.30	.50	1.30	1.70	4.50	13.00	30.00
05590000	.20	.30	.90	1.30	4.00	11.00	23.00
05590400	17.00	20.00	26.00	30.00	51.00	110.00	230.00
05590500	.10	.60	3.20	4.50	19.00	71.00	180.00
05591500	.00	.00	.05	.20	1.50	5.20	14.00
05592000	4.50	8.70	34.00	54.00	270.00	830.00	2,000.00
05592300	.00	.00	.60	.90	3.50	13.00	53.00
05592500	29.00	45.00	120.00	160.00	510.00	1,500.00	4,100.00
05593000	42.00	62.00	150.00	200.00	670.00	2,100.00	5,400.00
05593600	.00	.00	.20	.30	1.40	5.80	21.00
05593900	.00	.03	.80	1.30	4.20	16.00	55.00
05594000	7.10	12.00	29.00	38.00	100.00	400.00	1,300.00
05595500	.00	.00	.00	.00	.30	3.20	18.00
05595800	.00	.00	.00	.01	1.20	7.50	27.00
05596000	1.40	2.70	9.60	14.00	52.00	380.00	1,300.00
05597000	2.30	4.30	13.00	18.00	75.00	710.00	2,200.00
05597500	.00	.00	.20	.30	1.30	8.90	37.00
05599000	.60	1.80	7.20	10.00	29.00	110.00	580.00
05599500	12.00	22.00	62.00	85.00	300.00	2,000.00	5,800.00
05600000	.40	.90	2.10	2.60	6.30	20.00	58.00

Table 2G.--Streamflow volumes - Eastern Coal Province

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet per second, for "N"-year recurrence interval

STATION NUMBER	V3,2	V3,10	V3,25	V3,50	V3,100	V7,2	V7,10	V7,25	V7,50	V7,100
01516500	165	304	387	455	527	106	183	221	250	278
01517000	127	305	467	635	856	83	177	253	327	420
01518000	3,460	7,430	10,300	12,900	16,000	2,260	4,430	5,890	7,170	8,620
01518500	1,300	2,740	3,890	4,980	6,330	847	1,630	2,180	2,680	3,260
01520000	3,470	7,380	10,200	12,700	15,600	2,180	4,190	5,540	6,700	8,020
01541000	4,790	8,490	10,700	12,500	14,400	3,260	5,320	6,530	7,520	8,570
01541308	91	180	236	284	337	63	108	135	157	181
01541500	4,830	8,380	10,500	12,200	14,100	3,330	5,410	6,640	7,640	8,720
01542000	856	1,530	1,900	2,170	2,460	633	1,070	1,300	1,480	1,660
01542500	18,600	30,100	35,900	40,200	44,600	13,100	20,100	24,000	27,100	30,400
01546000	2,950	4,810	5,690	6,330	6,940	1,690	2,790	3,380	3,850	4,330
01546500	385	751	957	1,120	1,290	301	548	673	766	859
01547100	817	2,020	3,010	3,980	5,200	677	1,430	1,920	2,320	2,760
01547200	2,710	5,370	6,960	8,240	9,610	1,920	3,420	4,230	4,860	5,510
01547500	2,530	4,020	4,660	5,090	5,480	1,850	2,940	3,470	3,840	4,210
01547700	526	1,080	1,490	1,880	2,340	375	693	897	1,070	1,260
01547800	178	347	477	599	747	124	219	284	342	407
01547950	1,990	3,610	4,560	5,320	6,130	1,490	2,420	2,890	3,250	3,610
01548000	6,110	9,740	11,400	12,600	13,700	4,170	6,590	7,820	8,730	9,650
01556000	3,250	6,110	7,960	9,540	11,300	2,260	3,850	4,750	5,470	6,220
01556500	1,150	1,730	1,960	2,110	2,240	834	1,070	1,120	1,150	1,170
01557500	648	1,200	1,530	1,810	2,120	455	762	938	1,080	1,230
01558000	2,530	4,950	6,760	8,430	10,400	1,890	3,280	4,150	4,870	5,670
01559000	7,340	13,800	17,600	20,700	24,000	5,440	8,970	10,800	12,100	13,500
01559500	1,230	2,150	2,690	3,120	3,590	848	1,390	1,700	1,950	2,210
01595000	1,470	2,160	2,470	2,680	2,880	995	1,400	1,590	1,720	1,850
01595500	3,500	5,070	5,750	6,210	6,650	2,490	3,380	3,730	3,960	4,180
01595800	4,180	6,150	6,940	7,470	7,950	2,790	3,840	4,310	4,630	4,940
01596000	3,530	6,180	7,900	9,360	11,000	2,570	3,840	4,440	4,860	5,280
01596500	730	1,030	1,150	1,220	1,280	488	692	783	848	910
01597000	255	389	443	479	512	179	258	292	316	339
01598000	1,560	2,890	3,730	4,440	5,220	1,030	1,660	1,980	2,220	2,470
01599000	762	1,440	1,810	2,110	2,420	539	917	1,090	1,220	1,340
01600000	7,160	11,000	12,700	13,900	15,100	5,120	7,470	8,420	9,060	9,640
01601000	2,250	3,300	3,710	3,990	4,230	1,390	2,120	2,470	2,730	2,990
01601500	3,110	5,650	7,080	8,200	9,380	2,100	3,480	4,130	4,590	5,030
01603000	10,500	18,700	23,300	26,900	30,600	7,360	12,000	14,100	15,600	17,100
01603500	328	675	891	1,070	1,260	208	391	498	583	675
01609000	1,630	3,290	4,540	5,700	7,090	1,060	1,910	2,400	2,790	3,200
01609500	56	67	70	72	73	31	43	49	54	58
01610000	29,500	45,300	51,400	55,400	58,900	20,000	28,600	31,300	32,900	34,200
01610155	1,460	3,480	5,200	6,910	9,080	833	1,830	2,590	3,310	4,170
01612500	201	327	376	409	437	122	191	219	238	256
01613000	35,800	72,900	98,100	120,000	129,000	24,600	44,300	55,300	63,900	65,200
01614500	4,540	8,800	11,600	14,100	16,800	3,140	5,600	7,010	8,120	9,300
01617800	54	125	164	194	225	42	86	106	120	133
01618000	48,500	98,200	135,000	188,000	175,000	33,000	66,500	81,000	111,000	95,200
01619000	611	1,680	2,610	3,540	4,730	467	1,060	1,470	1,820	2,220
01619500	1,300	2,930	4,070	5,070	6,210	937	1,980	2,640	3,190	3,790
01620500	308	627	838	1,020	1,220	178	330	428	511	604
01622000	3,450	6,720	8,690	10,300	12,000	2,190	3,930	4,940	5,750	6,620
01624300	1,730	2,590	2,910	3,130	3,310	1,010	1,480	1,680	1,820	1,950
01625000	2,670	5,590	7,350	8,780	10,300	1,670	3,070	3,860	4,480	5,130
01626000	1,240	3,290	4,940	6,520	8,460	809	1,880	2,610	3,250	3,960
01627500	2,360	5,700	7,900	9,750	11,800	1,490	3,230	4,290	5,170	6,110
01628500	8,590	18,500	24,700	30,000	35,800	5,560	10,500	13,300	15,500	17,700
01629500	9,300	23,100	35,400	47,900	64,100	6,150	13,100	18,400	23,500	29,600
01631000	12,400	31,600	46,300	60,100	76,500	8,320	18,000	24,400	30,000	36,300
01632000	2,900	5,960	7,900	9,510	11,300	1,690	3,180	4,060	4,760	5,500
01632900	682	1,350	1,760	2,110	2,480	421	741	926	1,080	1,230
01633000	4,170	7,030	8,400	9,390	10,400	2,560	3,970	4,560	4,960	5,330
01633500	707	1,250	1,540	1,760	1,980	441	745	896	1,010	1,120
01634000	5,520	12,500	17,300	21,500	26,400	3,570	7,160	9,320	11,100	13,000
01634500	1,010	2,450	3,370	4,140	4,980	631	1,370	1,810	2,160	2,530
01635500	866	2,250	3,290	4,240	5,360	528	1,210	1,670	2,070	2,510
02011500	2,260	3,180	3,490	3,680	3,840	1,330	1,860	2,070	2,210	2,330
02012500	4,650	7,170	8,140	8,760	9,310	2,970	4,400	4,980	5,360	5,720
02013000	2,040	3,270	3,770	4,100	4,400	1,250	1,950	2,240	2,430	2,610
02014000	1,750	3,070	3,760	4,300	4,840	1,150	1,850	2,170	2,400	2,620
02016000	5,610	8,070	8,920	9,430	9,860	3,460	4,880	5,410	5,750	6,050

Table 2G.—Streamflow volumes - Eastern Coal Province—(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet feet per second, for "N"-year recurrence interval

STATION NUMBER	V3,2	V3,10	V3,25	V3,50	V3,100	V7,2	V7,10	V7,25	V7,50	V7,100
02016500	15,800	24,000	27,000	28,900	30,600	10,200	14,700	16,500	17,600	18,600
02017500	1,370	2,140	2,440	2,630	2,810	886	1,350	1,540	1,680	1,800
02018000	3,800	6,050	7,100	7,840	8,550	2,470	3,800	4,380	4,790	5,180
02018500	387	733	948	1,130	1,320	236	408	503	578	656
02019000	1,010	2,410	3,500	4,520	5,750	604	1,280	1,730	2,130	2,580
02019500	22,200	34,900	40,500	44,400	48,100	14,400	21,600	24,800	27,000	29,200
02020500	2,160	3,490	4,110	4,550	4,980	1,250	1,920	2,230	2,450	2,660
02021000	2,240	3,670	4,390	4,930	5,460	1,370	2,170	2,660	3,060	3,500
02021500	4,210	6,640	7,840	8,720	9,590	2,610	3,990	4,660	5,140	5,620
02022500	384	935	1,380	1,820	2,350	225	492	687	866	1,080
02023000	4,720	7,400	8,690	9,630	10,600	3,080	4,860	5,740	6,390	7,040
02023500	1,130	1,600	1,700	1,750	1,780	745	1,150	1,290	1,390	1,460
02024000	5,940	10,400	13,400	16,000	19,000	3,870	6,290	7,710	8,870	10,100
02024500	8,400	13,700	16,200	17,900	19,600	5,170	9,320	11,600	13,400	15,300
02444000	1,680	4,270	6,270	8,150	10,400	1,230	2,570	3,430	4,160	4,970
02444500	54,500	102,000	129,000	150,000	173,000	50,600	86,100	103,000	116,000	129,000
02445000	1,610	3,900	5,810	7,690	10,000	1,060	2,220	3,080	3,890	4,840
02445500	5,050	10,600	13,800	16,300	19,000	3,390	6,200	7,570	8,560	9,520
02446000	7,630	15,000	18,600	21,100	23,500	5,650	9,510	10,800	11,600	12,300
02446500	6,640	14,100	18,400	21,800	25,400	5,250	9,790	12,000	13,500	15,000
02447000	6,950	13,000	16,400	19,200	22,100	5,910	10,000	12,100	13,700	15,300
02448500	13,300	32,100	46,400	59,600	75,300	12,000	25,000	32,200	37,800	43,600
02450000	8,710	14,100	16,300	17,800	19,200	5,440	8,570	9,900	10,800	11,600
02450200	382	835	1,150	1,430	1,750	204	427	575	701	843
02450250	2,570	4,580	5,890	7,010	8,270	1,420	2,370	3,020	3,580	4,230
02450500	10,800	19,400	24,000	27,400	30,900	6,410	10,100	12,000	13,300	14,600
02451000	3,120	6,350	8,230	9,720	11,300	2,000	3,580	4,330	4,860	5,380
02453000	3,290	5,820	7,200	8,270	9,360	2,480	4,210	5,060	5,680	6,300
02453500	34,700	52,500	56,700	58,700	60,000	24,500	38,000	41,600	43,500	44,800
02454000	3,040	7,110	11,000	15,100	20,600	1,850	4,030	5,890	7,770	10,200
02454200	2,280	4,880	6,840	8,670	10,800	1,290	2,580	3,580	4,530	5,690
02455000	6,680	12,600	16,400	19,800	23,500	4,220	7,350	9,240	10,800	12,500
02455500	14,200	28,300	37,400	45,200	53,900	8,770	16,300	20,900	24,700	28,800
02456000	1,850	3,640	4,510	5,150	5,760	1,090	2,020	2,460	2,780	3,090
02456500	19,200	35,700	43,600	49,200	54,600	12,100	22,000	27,100	30,900	34,700
02460500	1,820	3,850	5,470	7,010	8,910	1,080	2,080	2,770	3,370	4,060
02462600	163	382	552	713	908	89	193	266	331	406
02462800	994	2,190	2,860	3,370	3,900	604	1,320	1,730	2,040	2,370
02463500	1,900	4,240	5,550	6,560	7,600	1,130	2,570	3,490	4,270	5,110
02464000	4,940	9,970	13,400	16,400	19,800	3,190	5,410	6,520	7,330	8,130
02464500	5,870	12,000	16,700	21,100	26,400	3,660	7,260	9,960	12,500	15,400
02465500	902	2,220	3,050	3,740	4,480	569	1,350	1,870	2,310	2,790
02466500	4,930	9,120	11,200	12,800	14,300	2,670	4,890	5,900	6,610	7,270
02467500	6,780	16,500	23,400	29,600	36,800	5,510	11,200	14,300	16,800	19,300
03008000	112	285	466	671	961	69	156	241	335	463
03010500	7,010	15,400	22,600	29,900	39,200	5,380	10,500	14,300	17,800	22,000
03011800	490	1,020	1,440	1,830	2,300	346	628	838	1,030	1,260
03015000	7,300	10,900	12,700	13,900	15,200	6,600	9,480	10,800	11,700	12,600
03015280	196	359	484	601	743	131	240	324	404	500
03015500	4,890	7,710	9,140	10,200	11,300	3,280	5,240	6,340	7,200	8,110
03016000	44,400	67,000	76,000	82,000	87,300	35,300	52,100	58,700	63,000	66,900
03017500	3,190	5,260	6,350	7,190	8,050	2,290	3,580	4,230	4,720	5,220
03019000	5,690	8,200	9,360	10,200	11,000	4,200	6,440	7,690	8,680	9,710
03020500	4,530	7,040	8,200	9,020	9,810	3,070	4,630	5,360	5,900	6,420
03021500	3,770	6,080	7,250	8,130	9,010	2,470	3,860	4,580	5,130	5,680
03021700	80	116	133	145	156	53	71	77	81	83
03022500	8,070	11,400	13,100	14,400	15,700	5,580	7,920	9,120	10,000	11,000
03023000	950	1,550	2,110	2,670	3,390	719	1,090	1,350	1,590	1,870
03023500	14,100	23,700	29,300	33,900	38,800	10,400	17,700	22,000	25,600	29,500
03024000	12,500	17,800	19,900	21,400	22,700	9,700	14,200	16,200	17,600	18,900
03025000	2,300	3,700	4,380	4,880	5,370	1,590	2,500	2,930	3,250	3,560
03025200	62	94	113	129	146	45	56	61	64	67
03026500	142	248	307	354	402	95	160	197	226	257
03028000	1,010	1,670	2,030	2,320	2,620	701	1,130	1,370	1,570	1,780
03029000	4,730	7,100	8,070	8,720	9,320	3,280	4,360	4,740	4,980	5,180
03029400	152	260	322	372	424	108	180	223	260	299
03029500	10,700	15,900	18,000	19,400	20,700	7,760	11,400	13,100	14,200	15,300
03031950	126	219	274	320	370	79	132	169	203	241
03032500	6,790	11,200	13,800	15,900	18,100	4,850	7,710	9,370	10,700	12,100
03034000	2,280	4,070	5,180	6,110	7,130	1,590	2,590	3,180	3,660	4,170

Table 2G.--Streamflow volumes - Eastern Coal Province--(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet per second, for "N"-year recurrence interval

STATION NUMBER	V3,2	V3,10	V3,25	V3,50	V3,100	V7,2	V7,10	V7,25	V7,50	V7,100
03034500	1,370	2,190	2,630	2,960	3,300	908	1,390	1,640	1,830	2,020
03035000	4,910	7,750	9,150	10,200	11,200	3,480	5,130	5,860	6,360	6,850
03038000	2,740	4,270	5,000	5,520	6,030	1,820	2,630	2,960	3,180	3,390
03039200	55	80	88	92	96	38	55	61	66	70
03040000	5,730	9,250	11,300	13,100	14,900	4,170	6,100	6,990	7,620	8,230
03041000	2,720	4,460	5,330	5,970	6,600	1,780	2,920	3,500	3,940	4,390
03042000	3,140	5,880	7,730	9,350	11,200	2,090	3,470	4,310	5,000	5,750
03042200	140	258	328	384	444	89	149	183	209	238
03043000	5,800	9,590	11,800	13,500	15,300	3,870	5,950	6,960	7,700	8,430
03045000	2,480	4,210	5,280	6,160	7,130	1,660	2,550	3,010	3,360	3,710
03045500	4,000	7,750	10,500	13,100	16,100	2,740	4,610	5,820	6,850	8,010
03049000	1,770	3,000	3,720	4,300	4,930	1,200	1,840	2,190	2,460	2,740
03049800	70	108	123	133	142	45	65	72	77	81
03050000	3,190	4,770	5,500	6,020	6,520	2,020	2,980	3,400	3,700	3,970
03050500	4,590	7,070	8,280	9,170	10,000	2,970	4,280	4,820	5,190	5,530
03051500	2,460	3,610	4,090	4,430	4,740	1,550	2,250	2,560	2,780	2,990
03052000	2,750	3,940	4,470	4,840	5,200	1,800	2,460	2,720	2,890	3,040
03052500	268	358	384	398	410	155	202	218	227	235
03053500	5,030	7,390	8,380	9,060	9,680	3,210	4,540	5,060	5,410	5,720
03054500	14,500	20,900	23,700	25,800	27,700	9,540	13,400	14,900	15,900	16,900
03056500	21,200	29,600	32,900	35,100	37,100	14,100	19,000	20,800	22,000	23,100
03057500	422	675	800	892	983	249	406	479	532	583
03058000	1,730	2,660	3,100	3,420	3,740	1,020	1,490	1,700	1,850	1,980
03058500	3,130	4,900	5,720	6,310	6,880	1,870	2,750	3,100	3,330	3,540
03059000	6,010	8,980	10,200	11,000	11,700	3,640	5,410	6,140	6,630	7,070
03059500	1,270	2,180	2,610	2,920	3,220	743	1,190	1,400	1,550	1,700
03061000	10,900	17,400	20,300	22,300	24,200	6,930	10,600	12,100	13,200	14,300
03061500	1,800	2,760	3,180	3,480	3,750	1,120	1,660	1,890	2,050	2,200
03062400	170	289	355	407	462	102	154	182	204	227
03062500	936	1,660	2,060	2,370	2,690	645	1,000	1,160	1,270	1,370
03063600	97	125	133	137	141	57	79	89	96	103
03065000	5,870	8,490	9,720	10,600	11,500	3,930	5,660	6,480	7,080	7,670
03066000	1,520	2,510	3,070	3,510	3,970	1,030	1,580	1,880	2,120	2,370
03069000	4,030	5,710	6,460	6,990	7,490	2,720	3,840	4,350	4,720	5,070
03069500	13,000	18,500	20,900	22,400	23,900	8,640	12,200	13,900	15,000	16,200
03069880	320	483	545	586	621	175	252	284	306	327
03070000	17,700	26,400	30,200	32,800	35,300	11,600	16,500	18,800	20,300	21,800
03070500	3,690	5,630	6,550	7,210	7,860	2,460	3,430	3,780	4,010	4,210
03071000	23,200	34,300	39,100	42,500	45,700	15,300	21,200	23,600	25,100	26,500
03071500	28,700	38,300	40,500	41,600	42,300	18,700	24,400	25,800	26,500	27,100
03072000	3,030	5,010	6,000	6,740	7,480	1,970	3,000	3,410	3,670	3,910
03072590	211	406	521	613	711	137	222	258	281	302
03073000	2,350	3,670	4,250	4,650	5,030	1,500	2,260	2,560	2,760	2,940
03074500	821	1,540	1,960	2,290	2,640	543	929	1,120	1,270	1,410
03075500	2,440	3,840	4,460	4,900	5,310	1,620	2,360	2,680	2,890	3,100
03076600	715	1,190	1,410	1,560	1,690	482	711	813	884	953
03078000	990	1,490	1,700	1,860	2,000	696	1,010	1,140	1,230	1,310
03078500	393	794	1,050	1,260	1,490	257	472	599	703	814
03079000	5,590	9,180	11,300	13,100	15,100	3,860	5,860	6,850	7,570	8,300
03080000	2,150	3,300	3,890	4,330	4,780	1,460	2,160	2,480	2,720	2,940
03082200	189	336	428	505	589	118	196	241	276	313
03083000	52	92	117	138	161	33	54	66	75	84
03084000	54	94	117	135	155	34	54	62	69	75
03084500	864	1,250	1,340	1,390	1,420	528	768	845	890	927
03085500	2,370	4,330	5,380	6,190	7,010	1,570	2,600	3,070	3,400	3,710
03086100	154	223	258	283	309	101	131	143	152	159
03086500	1,120	1,920	2,380	2,750	3,140	698	1,080	1,260	1,400	1,540
03088000	393	514	563	595	624	246	345	389	419	448
03089500	288	491	594	672	750	165	275	333	378	423
03090500	3,110	4,690	5,170	5,430	5,650	1,830	2,940	3,490	3,900	4,310
03092000	389	592	696	774	852	217	328	383	425	466
03092090	319	508	596	659	720	198	266	291	308	322
03092500	1,250	1,830	2,000	2,100	2,170	754	1,070	1,150	1,190	1,220
03093000	1,240	1,910	2,180	2,360	2,520	763	1,110	1,230	1,310	1,380
03096000	961	2,050	2,700	3,230	3,790	719	1,430	1,820	2,110	2,400
03098500	779	1,460	1,870	2,210	2,580	493	813	980	1,110	1,240
03102950	1,170	1,590	1,750	1,860	1,950	818	1,070	1,190	1,270	1,340
03103000	1,980	3,140	3,580	3,870	4,120	1,420	2,080	2,320	2,460	2,590
03104000	5,930	10,700	13,200	15,200	17,200	4,120	7,170	8,730	9,910	11,100
03104760	33	56	72	86	102	20	33	41	48	57



Table 2G.--Streamflow volumes - Eastern Coal Province--(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet per second, for "N"-year recurrence interval

STATION NUMBER	V3,2	V3,10	V3,25	V3,50	V3,100	V7,2	V7,10	V7,25	V7,50	V7,100
03106000	4,800	7,290	8,540	9,470	10,400	3,050	4,570	5,350	5,940	6,540
03106300	439	787	1,030	1,250	1,500	382	601	717	805	895
03106500	4,840	7,780	9,070	9,970	10,800	3,310	5,060	5,860	6,420	6,960
03108000	2,090	3,250	3,700	3,990	4,250	1,320	2,020	2,300	2,480	2,650
03109000	82	135	158	174	189	46	68	77	82	87
03109500	5,150	8,590	10,400	11,800	13,200	3,400	5,340	6,300	7,020	7,740
03110000	1,470	2,490	3,050	3,490	3,940	1,030	1,540	1,770	1,940	2,090
03111150	115	193	237	274	312	73	116	136	151	166
03111500	1,080	1,840	2,190	2,440	2,670	723	1,170	1,360	1,480	1,590
03112000	3,750	5,530	6,170	6,560	6,900	2,420	3,510	3,860	4,070	4,230
03113700	64	107	130	147	165	38	50	54	57	60
03114000	1,850	2,940	3,510	3,950	4,390	1,180	1,810	2,120	2,360	2,590
03114500	7,270	11,200	13,300	14,900	16,500	4,520	6,770	7,840	8,630	9,390
03114650	76	121	149	173	199	39	63	79	92	107
03115400	3,200	5,130	6,130	6,880	7,650	1,910	2,940	3,480	3,890	4,300
03116000	1,170	1,800	2,030	2,170	2,280	862	1,300	1,450	1,540	1,620
03116200	1,380	2,740	3,800	4,800	6,020	1,010	1,750	2,280	2,760	3,310
03117000	3,520	5,770	7,020	8,010	9,030	2,660	4,280	5,160	5,830	6,530
03117500	2,390	3,970	4,810	5,450	6,100	1,680	2,470	2,800	3,030	3,240
03118000	343	620	779	906	1,040	217	359	435	494	553
03119000	4,670	7,410	8,500	9,210	9,850	3,040	4,940	5,770	6,340	6,870
03122500	11,700	17,800	19,500	20,500	21,200	8,340	12,600	14,000	14,800	15,400
03125000	18	32	40	46	53	10	17	21	24	27
03130500	58	106	136	161	188	36	59	70	79	88
03134000	1,480	2,220	2,470	2,610	2,730	860	1,350	1,570	1,720	1,860
03136000	8,180	13,000	14,800	15,900	16,900	5,640	9,050	10,500	11,400	12,300
03136500	2,060	4,380	6,130	7,750	9,690	1,350	2,450	3,140	3,720	4,350
03137000	4,720	9,370	12,200	14,400	16,900	3,140	5,630	6,880	7,810	8,730
03138500	12,700	19,100	20,900	21,900	22,700	8,780	14,400	16,700	18,200	19,500
03139000	2,820	6,760	10,300	14,000	18,800	2,390	5,030	6,990	8,810	11,000
03140000	319	666	900	1,100	1,340	205	361	443	506	569
03142200	837	1,400	1,640	1,790	1,930	571	867	965	1,020	1,070
03144000	1,680	3,290	4,220	4,950	5,720	1,110	1,920	2,300	2,570	2,830
03146000	1,800	3,150	3,850	4,370	4,910	1,120	1,700	1,960	2,150	2,320
03146500	5,780	11,200	14,100	16,400	18,600	3,990	6,760	7,860	8,570	9,200
03147000	6,810	13,100	16,000	18,100	20,100	4,500	8,290	9,900	11,000	11,900
03147500	7,360	15,000	18,800	21,500	24,200	5,240	9,210	10,700	11,500	12,300
03149500	1,060	1,640	1,930	2,140	2,360	675	1,050	1,200	1,310	1,410
03151500	2,640	3,930	4,490	4,860	5,220	1,640	2,390	2,700	2,900	3,090
03152000	6,330	9,350	10,500	11,300	12,000	3,880	5,590	6,250	6,670	7,050
03152200	47	64	74	80	87	28	37	40	43	46
03152500	2,740	4,410	5,240	5,840	6,440	1,560	2,360	2,710	2,950	3,180
03153000	2,780	4,730	5,580	6,150	6,680	1,660	2,550	2,870	3,060	3,220
03153500	13,900	20,100	22,500	24,100	25,500	8,660	12,600	14,200	15,300	16,300
03154000	3,250	5,260	6,180	6,820	7,430	1,900	2,950	3,400	3,720	4,020
03154250	50	66	71	74	77	26	36	39	42	44
03154500	1,240	1,890	2,200	2,430	2,650	724	1,040	1,160	1,240	1,310
03155000	21,800	33,400	38,100	41,100	43,900	13,700	21,000	24,200	26,500	28,700
03155200	3,970	5,650	6,290	6,690	7,050	2,210	3,230	3,720	4,070	4,410
03155500	7,040	11,900	14,400	16,300	18,200	4,170	6,720	8,010	8,970	9,940
03157000	962	1,800	2,180	2,440	2,690	606	1,090	1,300	1,440	1,570
03157500	4,930	9,280	11,300	12,700	14,000	3,230	6,050	7,390	8,330	9,230
03159500	9,640	17,000	20,800	23,700	26,600	6,610	11,600	14,100	15,900	17,800
03159540	2,240	3,500	4,040	4,410	4,760	1,290	2,330	2,910	3,360	3,830
03177000	473	697	806	885	964	286	394	432	455	475
03177500	1,580	2,420	2,680	2,820	2,930	973	1,370	1,480	1,530	1,580
03178000	2,160	3,430	4,130	4,690	5,280	1,450	2,060	2,370	2,610	2,850
03178500	518	842	990	1,090	1,190	324	535	635	707	777
03179000	5,010	8,320	9,780	10,800	11,700	3,310	5,520	6,510	7,200	7,850
03179500	4,790	7,270	8,640	9,730	10,900	3,070	4,940	6,130	7,130	8,240
03180000	31,400	42,300	46,500	49,300	51,800	22,900	31,300	34,500	36,700	38,600
03180500	2,170	3,220	3,750	4,140	4,540	1,460	2,220	2,640	2,970	3,320
03181200	51	102	142	180	227	33	52	62	69	76
03181500	7,560	9,410	10,200	10,800	11,300	4,670	6,030	6,530	6,850	7,140
03182000	1,390	1,990	2,310	2,570	2,840	872	1,190	1,340	1,450	1,560
03182500	8,240	11,900	13,500	14,600	15,700	5,400	7,770	8,830	9,580	10,300
03183000	989	1,590	1,810	1,950	2,070	599	959	1,110	1,220	1,320
03183500	19,000	28,000	31,700	34,100	36,300	12,300	17,400	19,300	20,500	21,600
03184000	20,600	30,300	34,800	38,000	41,200	14,000	19,900	22,500	24,300	25,900
03184200	155	301	376	430	484	88	140	161	175	188

Table 2G.—Streamflow volumes - Eastern Coal Province—(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet per second, for "N"-year recurrence interval

STATION NUMBER	V3,2	V3,10	V3,25	V3,50	V3,100	V7,2	V7,10	V7,25	V7,50	V7,100
03185000	652	1,040	1,190	1,290	1,370	419	663	763	828	888
03185500	65,200	91,700	101,000	107,000	112,000	—	—	73,700	80,900	88,100
03186000	59,700	104,000	121,000	131,000	141,000	42,400	68,000	77,500	83,400	88,500
03186500	2,720	4,220	5,070	5,750	6,470	1,860	2,700	3,110	3,420	3,720
03187000	4,600	7,220	8,740	9,960	11,300	3,150	4,490	5,140	5,630	6,110
03187500	1,660	2,610	3,230	3,750	4,330	1,160	1,570	1,760	1,910	2,050
03189000	3,370	5,140	6,100	6,850	7,620	2,310	3,380	3,930	4,340	4,750
03189100	11,500	16,900	19,400	21,200	22,900	7,250	9,650	10,600	11,300	11,900
03189500	12,000	18,000	21,200	23,700	26,200	8,310	11,900	13,600	15,000	16,300
03189650	54	90	107	119	131	31	46	52	56	61
03190000	4,330	6,360	7,360	8,090	8,830	3,030	4,330	4,950	5,400	5,840
03190400	6,540	9,530	10,900	11,800	12,700	4,120	5,740	6,490	7,020	7,540
03191500	616	1,040	1,300	1,520	1,750	372	584	697	784	873
03192000	22,100	32,000	36,900	40,500	44,000	15,200	21,300	23,800	25,600	27,300
03193830	42	67	81	92	103	25	35	40	43	46
03194000	3,620	4,810	5,240	5,520	5,770	2,270	3,050	3,280	3,410	3,510
03194700	5,550	8,090	9,200	9,980	10,700	3,580	5,050	5,770	6,300	6,830
03195000	5,200	7,450	8,560	9,380	10,200	3,530	5,100	5,880	6,470	7,060
03195600	106	165	194	215	235	60	89	100	108	114
03197000	17,600	27,400	32,300	35,900	39,500	11,500	17,700	20,700	22,900	25,100
03198450	101	165	194	214	234	60	92	105	114	122
03198500	5,350	9,210	11,100	12,500	13,900	3,540	5,360	6,030	6,440	6,800
03199000	3,870	7,010	8,630	9,850	11,100	2,450	4,040	4,740	5,230	5,700
03200500	12,000	20,200	23,600	26,000	28,100	7,410	11,000	12,300	13,100	13,900
03201000	3,800	6,060	7,090	7,810	8,500	2,190	3,390	3,930	4,300	4,650
03201410	212	311	358	391	424	106	163	189	208	226
03202000	5,580	10,700	13,900	16,500	19,300	4,460	8,110	10,200	11,900	13,700
03202400	4,710	8,960	10,800	12,000	13,100	2,830	4,800	5,520	5,950	6,320
03203000	9,650	17,800	22,600	26,600	30,900	6,400	11,000	13,400	15,300	17,300
03203600	12,700	24,100	29,500	33,300	37,000	7,810	13,600	16,200	17,900	19,500
03204000	15,800	26,800	31,900	35,500	38,900	10,700	17,100	19,800	21,600	23,200
03204500	3,950	6,660	7,840	8,640	9,390	2,330	3,820	4,400	4,780	5,110
03206500	337	606	670	699	718	172	346	402	433	456
03206600	743	1,390	1,740	2,020	2,300	415	706	855	966	1,080
03207000	3,700	7,020	8,890	10,400	11,900	2,300	4,040	4,920	5,570	6,220
03207020	4,560	6,770	7,430	7,800	8,080	2,680	3,580	3,780	3,870	3,920
03207500	3,850	6,140	6,940	7,430	7,840	2,280	3,580	4,080	4,410	4,690
03207800	5,020	9,630	11,700	13,100	14,300	2,830	5,060	6,010	6,640	7,210
03208000	5,520	10,300	12,800	14,800	16,800	3,370	6,030	7,550	8,760	10,000
03208500	4,410	8,480	10,600	12,100	13,600	2,680	4,720	5,720	6,460	7,170
03208950	971	2,210	3,150	4,020	5,060	590	1,130	1,460	1,740	2,050
03209000	3,060	5,270	6,330	7,090	7,830	2,000	3,310	3,920	4,350	4,770
03209500	15,900	31,500	40,200	46,800	53,600	10,200	18,900	23,600	27,200	30,800
03210000	983	1,780	2,130	2,360	2,580	582	976	1,130	1,230	1,310
03211500	2,550	4,860	5,780	6,370	6,870	1,730	2,970	3,400	3,660	3,870
03212000	1,890	3,310	3,900	4,280	4,620	1,120	1,760	1,980	2,110	2,210
03212500	26,600	44,700	52,000	56,900	61,200	17,700	28,900	33,400	36,300	38,900
03213000	5,350	9,830	11,900	13,400	14,900	3,530	6,070	7,200	7,990	8,730
03213500	484	896	1,080	1,210	1,340	285	511	618	693	765
03213700	11,900	22,000	26,300	29,200	31,900	7,470	12,100	13,600	14,500	15,200
03214000	15,300	31,600	40,300	46,900	53,500	9,730	18,200	22,300	25,300	28,200
03215000	40,500	71,400	85,200	94,700	104,000	28,500	49,700	59,400	66,200	72,600
03215500	3,460	6,110	7,270	8,060	8,790	2,040	3,390	3,920	4,250	4,540
03216500	6,970	11,300	12,700	13,500	14,100	4,270	7,010	7,930	8,460	8,900
03216800	1,410	2,050	2,250	2,370	2,470	795	1,150	1,270	1,330	1,390
03217000	4,340	6,800	7,500	7,870	8,150	2,620	3,960	4,330	4,520	4,660
03231000	4,130	8,720	11,300	13,200	15,300	2,520	4,820	5,900	6,660	7,380
03231500	31,200	57,200	69,500	78,100	86,400	23,700	40,600	47,400	51,700	55,500
03232000	2,980	5,920	7,250	8,170	9,020	1,870	3,650	4,480	5,050	5,580
03232500	1,810	3,500	4,440	5,190	5,960	1,160	2,080	2,610	3,040	3,490
03234000	9,670	20,500	26,900	32,100	37,600	6,140	12,600	16,100	18,800	21,600
03234500	39,000	74,800	94,100	109,000	124,000	30,600	53,200	63,000	69,600	75,700
03235000	141	207	223	230	236	84	109	114	116	118
03235500	17	33	44	52	62	11	19	24	28	32
03237280	181	318	380	423	463	105	211	272	320	372
03237500	6,060	11,800	15,500	18,600	22,100	3,500	6,750	8,800	10,500	12,400
03238500	4,010	6,940	8,380	9,440	10,500	2,300	3,880	4,570	5,040	5,480
03239000	—	—	—	—	—	—	—	—	—	—
03239500	—	—	—	—	—	—	—	—	—	—
03240000	1,160	2,730	3,770	4,660	5,630	,752	1,570	2,010	2,350	2,700

Table 2G.—Streamflow volumes - Eastern Coal Province—(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet feet per second, for "N"-year recurrence interval

STATION NUMBER	V3,2	V3,10	V3,25	V3,50	V3,100	V7,2	V7,10	V7,25	V7,50	V7,100
03240500	335	795	1,110	1,380	1,690	219	445	577	682	792
03241000	274	623	864	1,080	1,320	174	355	467	559	660
03241500	727	1,630	2,060	2,350	2,620	464	909	1080	1190	1290
03242050	4,010	6,880	7,700	8,110	8,420	2,520	4,170	4,630	4,880	5,060
03242150	943	1,430	1,570	1,650	1,700	603	870	935	967	989
03242200	1,160	2,100	2,470	2,700	2,910	726	1,170	1,300	1,380	1,440
03242300	2,970	6,350	8,800	11,000	13,600	1,890	3,610	4,850	5,970	7,280
03242500	9,000	16,200	17,700	18,400	18,900	5,460	9,370	10,300	10,700	11,000
03244000	3,530	7,070	9,280	11,100	13,100	2,080	3,930	5,180	6,290	7,550
03245500	14,300	28,800	36,000	41,300	46,500	9,020	16,900	20,600	23,100	25,500
03246200	3,500	5,650	6,750	7,570	8,410	1,840	2,960	3,570	4,060	4,560
03246500	4,820	8,420	10,300	11,800	13,300	2,630	4,800	6,160	7,300	8,560
03247500	8,100	15,300	19,400	22,700	26,200	4,680	8,930	11,400	13,400	15,500
03248500	2,510	4,280	4,870	5,200	5,460	1,510	2,390	2,650	2,780	2,890
03249500	9,820	15,600	17,800	19,100	20,300	7,500	12,200	13,900	15,000	15,900
03250000	1,100	1,870	2,180	2,380	2,560	616	1,030	1,210	1,340	1,460
03250100	1,730	2,580	2,900	3,100	3,270	917	1,450	1,690	1,860	2,020
03255500	922	1,750	2,230	2,610	3,010	567	955	1,110	1,220	1,310
03258000	—	—	—	—	—	—	—	—	—	—
03277400	788	1,250	1,410	1,520	1,610	475	757	850	904	948
03277500	8,330	14,800	17,400	19,100	20,600	4,750	8,090	9,580	10,600	11,600
03278000	42	69	82	91	101	25	40	48	54	60
03278500	3,720	6,300	7,160	7,670	8,070	2,080	3,360	3,780	4,010	4,200
03280000	17,500	32,700	39,700	44,500	49,100	10,500	18,600	22,200	24,800	27,200
03280600	4,190	6,700	7,780	8,500	9,180	2,410	3,690	4,250	4,640	5,010
03280700	1,310	2,300	2,770	3,100	3,410	773	1,270	1,500	1,650	1,800
03281000	8,570	16,300	20,700	24,100	27,600	5,050	9,210	11,600	13,600	15,700
03281100	3,960	6,390	7,350	7,980	8,530	2,210	3,380	3,780	4,030	4,240
03281500	15,000	27,700	33,800	38,300	42,500	8,690	14,900	17,700	19,600	21,500
03282000	40,200	70,800	85,700	96,600	107,000	25,800	43,000	51,100	57,000	62,800
03282500	1,230	2,300	2,880	3,320	3,770	743	1,280	1,550	1,750	1,950
03283000	505	906	1,140	1,320	1,510	306	508	611	688	766
03283500	5,520	10,600	13,100	14,900	16,700	3,450	6,330	7,750	8,790	9,810
03285000	6,280	11,400	14,100	16,000	18,000	3,740	6,780	8,370	9,570	10,800
03304500	41	71	80	85	90	25	41	47	50	52
03305000	456	855	1,060	1,210	1,360	282	500	595	660	721
03305500	743	995	1,050	1,070	1,090	456	701	782	830	868
03400500	1,410	2,550	3,180	3,670	4,180	893	1,490	1,800	2,050	2,300
03400800	1,880	3,380	4,030	4,470	4,870	1,130	1,700	1,920	2,060	2,190
03401000	7,420	13,300	16,600	19,200	22,000	4,730	7,630	9,110	10,200	11,400
03402000	1,470	2,640	3,320	3,860	4,440	884	1,460	1,750	1,970	2,190
03403000	16,700	29,000	35,600	40,700	45,900	10,400	17,300	20,900	23,700	26,400
03403500	19,300	31,400	37,400	41,800	46,200	12,500	20,900	25,100	28,300	31,400
03403910	8,300	15,100	18,100	20,200	22,100	4,630	7,630	8,890	9,740	10,500
03404000	25,000	38,000	44,400	49,200	54,100	19,500	30,900	36,300	40,200	44,000
03404500	28,300	42,800	50,000	55,400	60,700	21,300	34,200	40,900	45,900	51,100
03404900	1,240	2,040	2,440	2,740	3,040	659	1,070	1,310	1,490	1,690
03405000	3,920	6,960	8,630	9,940	11,300	2,410	3,940	4,710	5,280	5,850
03406000	61	109	130	143	155	39	65	74	80	86
03406500	12,300	22,800	28,100	32,000	35,900	7,250	12,500	15,100	17,000	18,900
03407000	14,300	24,700	28,800	31,500	33,800	8,530	14,400	16,700	18,100	19,400
03407100	12	29	40	50	61	7	15	20	24	29
03407300	14	27	35	41	47	9	16	19	22	25
03407500	3,440	7,000	9,380	11,400	13,800	2,020	3,960	5,270	6,420	7,720
03408000	7,010	12,800	16,700	20,100	23,900	4,740	7,770	9,340	10,500	11,700
03408500	9,600	16,700	20,900	24,200	27,700	5,830	9,120	10,800	12,000	13,300
03409500	6,280	10,700	12,800	14,400	15,900	3,850	6,070	7,090	7,810	8,490
03410500	22,200	38,500	47,400	54,300	61,400	13,600	21,400	25,100	27,800	30,500
03411000	26,900	44,700	53,100	59,200	65,100	16,600	25,000	28,800	31,500	34,000
03411500	78,300	119,000	136,000	147,000	—	53,600	84,700	98,800	109,000	—
03412500	515	843	1,020	1,160	1,300	328	521	618	691	764
03413200	1,140	2,140	2,640	3,020	3,400	596	1,030	1,300	1,520	1,770
03414000	79,200	140,000	168,000	—	—	57,300	103,000	125,000	—	—
03414500	5,280	9,410	11,900	14,000	16,300	3,130	5,190	6,340	7,250	8,210
03415000	2,290	3,650	4,290	4,740	5,180	1,340	2,120	2,480	2,750	3,010
03415500	8,220	13,500	15,800	17,300	18,700	5,220	8,380	9,810	10,800	11,800
03416000	2,410	5,010	6,540	7,780	9,090	1,430	2,730	3,470	4,060	4,680
03418000	1,370	2,540	3,080	3,460	3,820	840	1,480	1,800	2,030	2,260
03418500	2,440	4,160	5,130	5,900	6,700	1,640	2,390	2,720	2,950	3,160
03420000	4,180	7,060	8,530	9,620	10,700	2,680	4,340	5,170	5,780	6,400

Table 2G.—Streamflow volumes - Eastern Coal Province—(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet per second, for "N"-year recurrence interval

STATION NUMBER	V3,2	V3,10	V3,25	V3,50	V3,100	V7,2	V7,10	V7,25	V7,50	V7,100
03420500	2,810	5,180	6,400	7,310	8,220	1,720	2,970	3,540	3,940	4,320
03421000	13,700	25,700	32,100	37,100	42,200	8,670	14,900	17,900	20,000	22,200
03423000	1,640	2,500	2,820	3,020	3,200	999	1,560	1,780	1,920	2,050
03467000	2,950	4,680	5,600	6,320	7,050	1,930	3,180	3,860	4,390	4,940
03471500	854	1,460	1,810	2,090	2,400	555	917	1,120	1,280	1,450
03472500	850	1,730	2,290	2,770	3,310	535	1,190	1,710	2,200	2,800
03473000	3,420	5,280	6,250	6,980	7,730	2,320	3,590	4,280	4,810	5,370
03473500	73	114	130	139	148	46	80	99	115	131
03474000	1,400	2,550	3,310	3,960	4,700	912	1,590	2,020	2,370	2,760
03474500	1,530	3,080	4,290	5,440	6,830	961	1,900	2,610	3,280	4,080
03475000	1,860	3,300	4,130	4,790	5,480	1,300	2,070	2,420	2,680	2,920
03477500	71	126	161	190	223	54	101	135	166	203
03478400	182	364	468	550	636	134	244	303	349	395
03487550	436	780	991	1170	1360	260	421	521	604	694
03488000	2,830	4,750	5,810	6,640	7,490	1,830	2,980	3,600	4,080	4,570
03489500	5,680	9,710	11,800	13,300	14,900	3,710	6,680	8,410	9,810	11,300
03490000	8,740	15,100	18,500	21,100	23,800	5,790	9,630	11,800	13,400	15,200
03491000	763	1,340	1,660	1,920	2,200	473	780	930	1,040	1,150
03496000	220	369	434	478	520	151	237	269	289	306
03521500	1,880	3,210	3,860	4,330	4,790	1,210	2,010	2,420	2,710	3,010
03524000	6,450	11,000	13,400	15,300	17,300	4,330	6,990	8,350	9,380	10,400
03524500	1,470	2,410	2,870	3,210	3,550	944	1,610	1,940	2,190	2,430
03526000	1,300	2,180	2,690	3,100	3,520	862	1,500	1,900	2,230	2,600
03527000	13,700	23,000	27,900	31,600	35,400	9,280	15,100	18,300	20,700	23,300
03528000	18,200	32,100	40,100	46,400	53,000	12,500	21,100	25,900	29,600	33,600
03528300	94	219	284	330	375	70	135	160	176	191
03528400	41	72	84	92	99	27	49	58	64	70
03529500	2,100	4,230	5,720	7,040	8,570	1,400	2,500	3,130	3,620	4,140
03531000	5,240	8,560	10,400	11,900	13,400	3,090	5,330	6,790	8,030	9,430
03531500	5,510	10,100	12,900	15,200	17,700	3,620	6,110	7,470	8,540	9,650
03532000	10,400	18,500	23,500	27,700	32,300	7,150	12,000	14,700	16,800	19,100
03533000	34,300	58,200	68,800	76,100	82,900	24,000	41,400	50,300	56,800	63,300
03535000	1,250	2,720	3,670	4,470	5,350	745	1,510	1,960	2,320	2,690
03537000	80	117	133	145	156	53	73	79	82	84
03538225	2,260	4,180	5,280	6,160	7,080	1,390	2,370	2,890	3,270	3,670
03538250	461	879	1,130	1,320	1,530	289	492	593	668	741
03538500	2,160	3,750	4,520	5,080	5,630	1,330	2,120	2,470	2,720	2,950
03539500	2,170	3,870	4,740	5,380	6,020	1,390	2,270	2,660	2,920	3,180
03539600	3,050	4,670	5,660	6,490	7,390	2,000	3,200	3,920	4,520	5,160
03539800	12,300	20,900	26,100	30,300	34,800	8,010	12,200	14,200	15,600	17,000
03540500	18,300	34,000	42,900	50,000	57,300	11,700	18,900	22,300	24,600	26,900
03541500	3,000	5,000	5,950	6,630	7,290	1,820	2,780	3,180	3,450	3,690
03543500	2,410	4,490	5,620	6,480	7,350	1,500	2,560	3,060	3,410	3,760
03544500	1,310	2,150	2,530	2,800	3,060	799	1,240	1,440	1,570	1,700
03565500	818	1,770	2,540	3,280	4,200	552	1,070	1,430	1,750	2,120
03566420	396	722	964	1,190	1,450	248	416	520	606	700
03567500	8,510	13,800	16,200	17,800	19,400	5,380	8,740	10,300	11,400	12,400
03571000	7,700	12,900	15,300	17,100	18,900	5,160	8,260	9,670	10,700	11,600
03572900	3,450	5,540	6,490	7,150	7,780	2,160	3,500	4,140	4,600	5,050
03574500	9,840	16,100	18,700	20,400	22,000	5,970	9,280	10,600	11,500	12,200
03575000	6,820	13,100	16,200	18,300	20,400	4,130	7,050	8,290	9,130	9,900
03576148	3,150	5,850	7,420	8,700	10,100	2,030	3,270	3,820	4,190	4,540
03576250	2,850	5,460	6,660	7,490	8,280	1,710	2,980	3,490	3,820	4,110
03576400	1,290	1,960	2,150	2,250	2,330	762	1,190	1,360	1,460	1,560
03576500	2,580	4,360	5,240	5,880	6,510	1,510	2,460	2,900	3,210	3,500
03578000	1,880	3,080	3,690	4,160	4,620	1,090	1,750	2,090	2,350	2,600
03579100	4,820	9,420	11,500	12,900	14,200	3,180	5,700	6,740	7,420	8,030
03582000	14,000	24,900	29,600	32,700	35,600	10,100	16,300	18,500	19,800	20,800
03584000	8,330	16,000	20,000	23,100	26,300	5,140	9,030	10,900	12,200	13,500
03584500	28,300	50,200	61,000	69,000	76,800	20,700	35,800	42,600	47,300	51,800
03585300	3,180	4,960	5,710	6,220	6,690	1,840	2,990	3,550	3,970	4,380
03586500	4,320	7,190	8,440	9,290	10,100	2,580	3,920	4,420	4,740	5,010
03589250	184	332	392	432	467	128	215	249	271	291
03590000	3,890	7,900	9,720	11,000	12,100	2,350	4,270	5,000	5,460	5,850
03591800	3,700	5,680	6,370	6,780	7,120	2,180	3,210	3,600	3,840	4,060
03592000	3,780	7,580	10,000	12,100	14,400	2,720	4,860	6,220	7,360	8,630
03592200	4,220	7,950	10,100	11,700	13,500	2,530	4,380	5,380	6,150	6,950
03592300	1,680	3,450	4,510	5,390	6,320	1,060	1,910	2,370	2,720	3,080
03592500	11,800	23,100	29,500	34,600	40,000	8,150	14,600	18,000	20,600	23,200



Table 2G.—Streamflow volumes - Eastern Coal Province—(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet per second, for "N"-year recurrence interval

STATION NUMBER	V15,2	V15,10	V15,25	V15,50	V15,100	V30,2	V30,10	V30,25	V30,50
01516500	76	115	127	133	139	54	76	82	86
01517000	60	111	142	168	196	44	71	85	96
01518000	1,630	2,840	3,530	4,070	4,640	1,200	1,870	2,210	2,480
01518500	607	1,060	1,300	1,500	1,700	455	666	758	820
01520000	1,540	2,650	3,260	3,750	4,260	1,150	1,700	1,950	2,140
01541000	2,320	3,530	4,200	4,720	5,260	1,760	2,530	2,900	3,170
01541308	46	78	95	108	121	38	59	68	75
01541500	2,370	3,610	4,320	4,890	5,500	1,740	2,580	3,090	3,510
01542000	470	724	838	918	994	361	501	555	589
01542500	9,620	13,500	15,400	16,800	18,100	7,270	10,400	12,100	13,400
01546000	1,130	1,830	2,180	2,450	2,710	756	1,170	1,380	1,530
01546500	244	417	499	557	613	204	310	353	381
01547100	563	1,060	1,310	1,490	1,660	470	777	903	986
01547200	1,440	2,320	2,690	2,950	3,180	1,120	1,610	1,780	1,890
01547500	1,400	2,110	2,390	2,570	2,740	1,150	1,510	1,610	1,660
01547700	276	453	539	600	661	211	312	358	390
01547800	90	147	178	203	229	68	99	113	123
01547950	1,080	1,680	1,930	2,110	2,270	832	1,190	1,330	1,430
01548000	3,040	4,680	5,490	6,090	6,690	2,310	3,330	3,830	4,200
01556000	1,610	2,610	3,110	3,490	3,880	1,220	1,860	2,170	2,400
01556500	589	766	817	845	867	453	576	612	632
01557500	324	490	568	625	680	251	345	385	412
01558000	1,420	2,240	2,650	2,960	3,260	1,140	1,600	1,780	1,900
01559000	4,110	6,220	7,050	7,590	8,070	3,240	4,500	4,920	5,170
01559500	609	995	1,220	1,400	1,600	461	702	839	949
01595000	740	1,050	1,180	1,280	1,360	543	745	838	903
01595500	1,850	2,530	2,810	3,000	3,180	1,400	1,840	2,020	2,140
01595800	2,100	3,040	3,530	3,910	4,290	1,620	2,200	2,440	2,600
01596000	1,750	2,650	3,160	3,570	3,990	1,340	2,030	2,420	2,740
01596500	352	497	555	593	629	270	358	386	402
01597000	129	184	207	223	238	99	133	145	153
01598000	666	1,080	1,330	1,540	1,760	486	813	1,030	1,220
01599000	382	643	763	847	928	284	464	544	601
01600000	3,680	5,490	6,290	6,860	7,400	2,820	3,950	4,380	4,660
01601000	985	1,500	1,720	1,870	2,000	723	1,010	1,110	1,180
01601500	1,470	2,420	2,860	3,160	3,460	1,110	1,740	2,000	2,180
01603000	5,290	8,410	9,860	10,900	11,900	4,000	6,100	7,050	7,710
01603500	140	254	321	374	431	104	175	213	242
01609000	752	1,250	1,470	1,620	1,760	536	830	934	997
01609500	20	24	27	28	30	15	19	21	22
01610000	13,800	21,300	24,300	26,300	28,200	10,300	14,900	16,600	17,700
01610155	615	1,150	1,410	1,590	1,770	417	688	779	833
01612500	78	112	123	130	136	62	84	90	93
01613000	18,000	29,700	34,900	38,500	42,000	13,100	20,300	23,400	25,500
01614500	2,290	3,780	4,500	5,010	5,510	1,710	2,610	2,990	3,250
01617800	35	65	77	84	90	31	51	57	60
01618000	24,600	41,400	49,200	54,700	60,100	18,200	28,500	33,100	36,200
01619000	360	668	818	927	1,030	286	438	487	514
01619500	740	1,390	1,730	2,000	2,270	616	1,050	1,250	1,390
01620500	117	202	251	290	332	85	128	148	162
01622000	1,500	2,510	3,030	3,430	3,830	1,070	1,620	1,870	2,060
01624300	667	1,040	1,210	1,320	1,440	478	716	813	879
01625000	1,130	1,960	2,400	2,730	3,070	818	1,320	1,570	1,740
01626000	582	1,150	1,440	1,650	1,850	415	716	851	945
01627500	971	1,860	2,360	2,760	3,170	666	1,160	1,420	1,630
01628500	3,790	6,610	8,020	9,070	10,100	2,690	4,270	5,030	5,580
01629500	4,110	7,640	10,000	12,100	14,500	3,010	4,810	5,860	6,700
01631000	5,740	11,100	14,300	16,900	19,600	4,060	6,990	8,610	9,880
01632000	1,060	1,900	2,330	2,660	2,990	694	1,110	1,310	1,450
01632900	296	513	632	725	821	213	338	401	449
01633000	1,680	2,730	3,200	3,530	3,830	1,210	1,730	1,920	2,030
01633500	281	423	483	524	562	206	282	312	333
01634000	2,430	4,540	5,690	6,570	7,470	1,720	2,880	3,450	3,870
01634500	428	824	1,020	1,160	1,300	310	508	583	630
01635500	342	710	931	1,110	1,300	239	438	542	621
02011500	920	1,330	1,510	1,630	1,750	644	883	979	1,040
02012500	2,030	3,030	3,460	3,770	4,060	1,490	2,120	2,390	2,580
02013000	820	1,260	1,450	1,580	1,700	575	880	1,020	1,120
02014000	772	1,210	1,420	1,560	1,710	565	868	1,000	1,100
02016000	2,300	3,330	3,750	4,040	4,300	1,660	2,300	2,550	2,720

Table 2G.--Streamflow volumes - Eastern Coal Province--(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet per second, for "N"-year recurrence interval

STATION NUMBER	V15,2	V15,10	V15,25	V15,50	V15,100	V30,2	V30,10	V30,25	V30,50
02016500	6,940	10,100	11,400	12,300	13,100	5,060	7,130	7,960	8,510
02017500	594	872	995	1,080	1,170	418	608	698	763
02018000	1,700	2,440	2,770	3,000	3,220	1,230	1,740	1,980	2,150
02018500	157	255	304	340	377	117	181	209	228
02019000	389	754	978	1,160	1,360	312	581	742	873
02019500	10,000	14,800	17,000	18,500	20,000	7,470	10,800	12,200	13,100
02020500	807	1,200	1,370	1,490	1,590	550	781	875	938
02021000	944	1,420	1,670	1,860	2,060	694	1,010	1,190	1,330
02021500	1,740	2,620	3,020	3,310	3,580	1,230	1,780	2,020	2,190
02022500	149	290	381	458	544	107	190	238	277
02023000	2,110	3,190	3,690	4,040	4,380	1,530	2,260	2,580	2,800
02023500	510	796	907	979	1,040	371	531	581	609
02024000	2,690	4,170	4,890	5,420	5,950	1,980	2,840	3,210	3,460
02024500	3,790	6,500	7,900	8,950	10,000	2,860	4,480	5,230	5,760
02444000	873	1,550	1,900	2,170	2,440	623	1,040	1,250	1,410
02444500	42,400	64,700	72,900	78,000	82,400	31,600	48,300	54,200	57,700
02445000	734	1,290	1,620	1,900	2,200	524	872	1,090	1,280
02445500	2,310	3,570	4,020	4,290	4,510	1,670	2,440	2,680	2,810
02446000	3,820	5,630	6,120	6,380	6,570	2,700	3,920	4,240	4,410
02446500	3,770	6,140	7,080	7,690	8,230	2,700	4,230	4,830	5,210
02447000	4,630	7,310	8,600	9,540	10,500	3,530	5,360	6,170	6,730
02448500	9,480	16,500	19,000	20,500	21,700	6,880	11,100	12,200	12,800
02450000	3,710	5,330	5,890	6,230	6,520	2,740	3,760	4,070	4,240
02450200	132	233	289	334	380	93	156	194	225
02450250	928	1,440	1,700	1,890	2,090	625	1,010	1,200	1,350
02450500	4,060	5,470	6,110	6,550	6,980	2,880	3,660	3,910	4,060
02451000	1,390	2,050	2,250	2,350	2,440	964	1,440	1,600	1,690
02453000	1,710	2,620	2,980	3,220	3,430	1,220	1,860	2,110	2,270
02453500	17,000	26,700	29,800	31,600	33,100	12,400	20,100	22,900	24,700
02454000	1,240	2,340	3,130	3,860	4,710	850	1,490	1,920	2,310
02454200	860	1,510	1,920	2,280	2,670	588	1,080	1,390	1,660
02455000	2,870	4,440	5,220	5,790	6,350	2,090	3,030	3,440	3,730
02455500	5,760	9,460	11,300	12,600	14,000	4,140	6,510	7,610	8,390
02456000	712	1,160	1,340	1,460	1,560	507	778	878	940
02456500	7,990	13,000	15,300	16,800	18,300	5,700	8,800	10,200	11,100
02460500	749	1,320	1,650	1,910	2,190	550	972	1,200	1,370
02462600	57	107	135	158	182	39	71	90	105
02462800	417	766	913	1,010	1,100	292	490	562	606
02463500	722	1,500	2,020	2,490	3,020	516	996	1,310	1,580
02464000	2,210	3,200	3,520	3,700	3,850	1,520	2,110	2,300	2,400
02464500	2,630	4,580	5,720	6,650	7,640	1,880	3,300	4,140	4,820
02465500	377	833	1,130	1,370	1,640	280	549	699	817
02466500	1,550	2,670	3,120	3,420	3,690	1,020	1,640	1,870	2,020
02467500	3,880	7,100	8,640	9,740	10,800	2,820	4,860	5,780	6,420
03008000	49	100	141	181	229	37	61	76	89
03010500	4,050	6,840	8,560	10,000	11,600	3,080	4,580	5,400	6,040
03011800	259	405	498	578	667	210	298	344	380
03015000	5,200	7,420	8,500	9,290	10,100	4,170	5,770	6,560	7,150
03015280	86	149	195	237	286	65	102	127	150
03015500	2,330	3,560	4,210	4,700	5,200	1,800	2,590	2,990	3,280
03016000	26,900	37,700	41,900	44,600	47,100	20,400	27,200	30,100	32,000
03017500	1,700	2,510	2,880	3,160	3,420	1,290	1,790	2,020	2,190
03019000	3,210	4,950	5,960	6,770	7,640	2,580	3,880	4,590	5,150
03020500	2,160	3,190	3,670	4,020	4,360	1,660	2,280	2,530	2,710
03021500	1,730	2,630	3,100	3,460	3,830	1,310	1,930	2,240	2,480
03021700	34	50	58	65	72	24	35	40	44
03022500	4,180	5,970	6,860	7,530	8,190	3,300	4,590	5,270	5,800
03023000	555	765	876	961	1,050	442	591	659	707
03023500	7,550	11,500	13,600	15,200	16,800	5,840	8,500	9,870	10,900
03024000	7,130	10,400	11,900	13,100	14,200	5,380	7,430	8,370	9,030
03025000	1,110	1,700	1,990	2,210	2,420	851	1,150	1,340	1,450
03025200	30	40	46	50	55	23	29	32	34
03026500	65	102	122	137	153	47	66	74	80
03028000	505	740	863	956	1,050	386	519	576	616
03029000	2,490	3,310	3,580	3,750	3,880	1,850	2,550	2,880	3,110
03029400	79	115	135	150	165	61	82	91	98
03029500	5,850	8,670	9,970	10,900	11,800	4,490	6,550	7,630	8,450
03031950	53	82	101	118	136	38	54	61	67
03032500	3,410	5,160	6,220	7,090	8,040	2,590	3,760	4,400	4,890
03034000	1,120	1,680	1,990	2,220	2,470	864	1,190	1,330	1,440

Table 2G.--Streamflow volumes - Eastern Coal Province--(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet per second, for "N"-year recurrence interval

STATION NUMBER	V15,2	V15,10	V15,25	V15,50	V15,100	V30,2	V30,10	V30,25	V30,50
03034500	642	959	1,130	1,250	1,380	480	690	794	871
03035000	2,440	3,440	3,850	4,130	4,380	1,800	2,620	2,980	3,230
03038000	1,240	1,760	1,990	2,150	2,290	906	1,270	1,440	1,550
03039200	28	42	48	52	55	21	29	33	35
03040000	3,040	4,220	4,730	5,090	5,430	2,250	3,070	3,410	3,650
03041000	1,230	1,920	2,260	2,510	2,760	928	1,330	1,500	1,620
03042000	1,490	2,280	2,680	2,980	3,270	1,120	1,550	1,710	1,820
03042200	59	92	109	122	135	44	62	69	73
03043000	2,710	4,070	4,730	5,220	5,700	2,040	2,970	3,410	3,730
03045000	1,180	1,710	1,950	2,130	2,290	894	1,180	1,300	1,370
03045500	1,850	2,860	3,430	3,870	4,340	1,360	2,080	2,500	2,820
03049000	824	1,200	1,380	1,520	1,660	605	844	967	1,060
03049800	30	39	41	42	43	23	28	29	30
03050000	1,390	2,020	2,300	2,480	2,650	1,030	1,450	1,620	1,740
03050500	2,030	3,000	3,490	3,860	4,230	1,520	2,110	2,390	2,580
03051500	1,020	1,490	1,690	1,840	1,980	764	1,080	1,210	1,300
03052000	1,270	1,760	1,990	2,150	2,300	969	1,260	1,400	1,490
03052500	103	144	164	178	192	79	106	116	123
03053500	2,200	3,140	3,540	3,810	4,070	1,670	2,280	2,530	2,700
03054500	6,750	9,490	10,600	11,400	12,200	5,170	6,940	7,690	8,200
03056500	9,480	13,200	14,900	16,100	17,200	7,440	9,800	10,700	11,200
03057500	167	258	298	325	351	124	190	220	241
03058000	688	1,010	1,150	1,260	1,370	519	742	841	910
03058500	1,250	1,840	2,080	2,250	2,400	935	1,340	1,490	1,600
03059000	2,430	3,660	4,210	4,600	4,980	1,820	2,640	2,970	3,190
03059500	505	798	951	1,070	1,190	393	574	648	698
03061000	4,670	7,050	8,200	9,030	9,860	3,560	5,140	5,790	6,240
03061500	744	1,100	1,260	1,380	1,490	547	773	868	932
03062400	69	101	118	131	144	50	66	70	73
03062500	437	628	700	746	786	322	439	481	506
03063600	40	55	63	68	73	30	39	43	45
03065000	2,820	4,100	4,780	5,300	5,830	2,190	2,960	3,280	3,500
03066000	733	1,130	1,340	1,500	1,680	552	796	913	998
03069000	1,960	2,760	3,110	3,370	3,610	1,510	2,080	2,320	2,500
03069500	6,070	8,730	10,000	11,000	12,000	4,660	6,400	7,160	7,700
03069880	113	149	161	169	175	80	107	117	125
03070000	8,180	11,900	13,800	15,200	16,600	6,190	8,590	9,670	10,400
03070500	1,680	2,340	2,610	2,790	2,960	1,260	1,700	1,870	1,990
03071000	10,700	15,300	17,600	19,200	20,800	7,980	11,300	12,700	13,800
03071500	12,600	16,200	17,200	17,800	18,300	9,720	11,500	11,900	12,200
03072000	1,330	1,980	2,230	2,390	2,540	980	1,350	1,470	1,540
03072590	88	132	150	163	175	62	90	103	112
03073000	1,020	1,500	1,680	1,790	1,890	733	999	1,080	1,130
03074500	376	590	691	764	835	281	392	435	464
03075500	1,150	1,690	1,950	2,130	2,310	878	1,210	1,350	1,450
03076600	355	542	631	696	760	266	383	439	479
03078000	502	736	843	918	990	385	534	595	637
03078500	172	300	380	447	520	126	205	252	290
03079000	2,730	4,180	4,920	5,460	6,010	2,050	3,050	3,540	3,900
03080000	1,020	1,510	1,750	1,930	2,110	774	1,120	1,290	1,430
03082200	81	122	143	159	175	59	78	87	93
03083000	23	35	42	47	52	17	24	27	29
03084000	23	34	38	40	43	17	23	26	28
03084500	344	516	588	636	680	251	364	411	442
03085500	1,060	1,690	1,980	2,190	2,390	801	1,210	1,390	1,510
03086100	68	90	98	103	108	54	72	79	84
03086500	456	665	752	812	866	326	454	502	533
03088000	162	230	260	281	301	114	165	188	204
03089500	101	159	186	205	224	70	108	125	138
03090500	1,180	2,120	2,630	3,020	3,420	873	1,460	1,740	1,950
03092000	135	195	223	244	264	92	135	154	168
03092090	119	151	162	170	176	82	107	118	125
03092500	491	738	813	854	886	371	514	544	558
03093000	502	700	769	811	847	372	509	554	581
03096000	549	1,060	1,330	1,520	1,720	431	755	906	1,010
03098500	316	478	551	603	654	226	333	378	408
03102950	553	755	847	912	975	398	539	595	633
03103000	982	1,460	1,650	1,770	1,890	743	1,070	1,190	1,270
03104000	2,940	4,730	5,610	6,260	6,900	2,350	3,420	3,830	4,090
03104760	14	20	24	28	32	10	16	20	23

Table 2G.—Streamflow volumes - Eastern Coal Province—(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet feet per second, for "N"-year recurrence interval

STATION NUMBER	V15,2	V15,10	V15,25	V15,50	V15,100	V30,2	V30,10	V30,25	V30,50
03106000	2,020	2,990	3,510	3,910	4,320	1,520	2,150	2,450	2,660
03106300	308	412	435	446	453	239	306	318	323
03106500	2,270	3,310	3,770	4,090	4,380	1,760	2,410	2,630	2,770
03108000	911	1,150	1,510	1,610	1,700	690	959	1,060	1,130
03109000	30	41	44	46	48	21	30	34	37
03109500	2,280	3,510	4,140	4,610	5,080	1,730	2,520	2,850	3,070
03110000	695	1,040	1,200	1,310	1,430	545	766	855	915
03111150	47	71	81	87	94	35	51	57	61
03111500	490	794	923	1,010	1,090	384	579	652	699
03112000	1,610	2,240	2,420	2,520	2,600	1,150	1,530	1,650	1,720
03113700	24	29	31	33	34	18	22	23	24
03114000	738	1,110	1,290	1,410	1,540	545	740	813	860
03114500	2,930	4,270	4,880	5,310	5,730	2,140	3,040	3,420	3,680
03114650	24	42	53	62	72	18	30	37	43
03115400	1,220	1,820	2,100	2,310	2,520	882	1,220	1,380	1,490
03116000	605	935	1,050	1,130	1,190	459	695	774	821
03116200	707	1,140	1,380	1,570	1,760	525	717	787	832
03117000	1,880	2,840	3,270	3,570	3,860	1,400	2,050	2,340	2,550
03117500	1,170	1,650	1,850	1,970	2,090	883	1,230	1,350	1,440
03118000	149	238	283	317	351	110	176	210	236
03119000	2,040	3,340	3,940	4,360	4,770	1,570	2,330	2,610	2,800
03122500	5,870	8,160	8,680	8,920	9,090	4,440	5,670	5,880	5,970
03125000	7	11	12	14	15	5	8	9	10
03130500	25	38	44	49	54	18	26	30	32
03134000	559	945	1,130	1,260	1,380	394	657	774	856
03136000	3,700	6,260	7,430	8,250	9,020	2,810	4,310	4,850	5,180
03136500	937	1,530	1,830	2,060	2,280	680	1,070	1,270	1,430
03137000	2,200	3,770	4,440	4,890	5,310	1,640	2,600	2,960	3,190
03138500	5,930	10,400	12,300	13,500	14,700	4,530	7,050	7,880	8,350
03139000	1,820	3,430	4,380	5,140	5,950	1,420	2,340	2,750	3,030
03140000	141	218	249	270	289	105	150	165	174
03142200	341	515	577	615	648	230	350	399	432
03144000	709	1,230	1,490	1,690	1,890	555	839	956	1,030
03146000	717	1,060	1,180	1,260	1,330	503	755	862	935
03146500	2,750	4,370	4,930	5,270	5,550	2,090	3,050	3,330	3,490
03147000	3,020	5,520	6,570	7,260	7,880	2,290	3,920	4,570	4,990
03147500	3,530	6,130	7,110	7,710	8,230	2,670	4,420	5,040	5,420
03149500	450	800	1,010	1,170	1,350	338	530	617	677
03151500	1,120	1,620	1,840	2,000	2,140	854	1,160	1,280	1,350
03152000	2,580	3,820	4,330	4,680	5,000	1,940	2,720	3,010	3,190
03152200	18	24	26	28	29	13	17	19	21
03152500	933	1,430	1,650	1,800	1,950	658	960	1,080	1,160
03153000	1,070	1,690	1,960	2,140	2,310	782	1,180	1,330	1,430
03153500	5,790	8,610	9,850	10,700	11,500	4,290	6,150	6,890	7,380
03154000	1,240	1,940	2,250	2,470	2,670	913	1,360	1,520	1,630
03154250	17	23	25	26	26	12	15	17	18
03154500	488	712	806	870	930	345	483	535	570
03155000	9,250	14,100	16,200	17,600	18,900	6,930	9,960	11,000	11,700
03155200	1,350	1,980	2,310	2,560	2,810	1,010	1,420	1,580	1,690
03155500	2,700	4,040	4,690	5,170	5,640	1,930	2,880	3,320	3,640
03157000	403	674	785	859	925	295	454	517	558
03157500	2,170	3,810	4,510	4,980	5,410	1,650	2,540	2,840	3,020
03159500	4,480	7,530	9,000	10,100	11,100	3,410	5,220	5,980	6,480
03159540	828	1,340	1,610	1,820	2,030	600	819	903	959
03177000	186	232	240	244	246	138	171	176	177
03177500	640	872	937	973	1,000	471	654	714	750
03178000	929	1,210	1,320	1,400	1,470	701	938	1,050	1,120
03178500	211	348	421	478	536	152	234	277	311
03179000	2,200	3,620	4,350	4,900	5,450	1,550	2,530	3,060	3,470
03179500	2,150	3,510	4,330	5,000	5,730	1,650	2,620	3,180	3,630
03180000	16,600	25,100	29,600	32,900	36,400	13,300	19,800	23,400	26,300
03180500	1,040	1,570	1,850	2,070	2,290	798	1,080	1,210	1,300
03181200	22	30	32	33	34	16	21	22	23
03181500	3,290	4,020	4,210	4,320	4,390	2,370	3,320	3,850	4,270
03182000	618	788	863	916	966	448	575	642	694
03182500	3,780	5,580	6,420	7,030	7,620	2,820	3,830	4,240	4,520
03183000	392	637	766	864	964	272	441	532	602
03183500	8,520	12,300	13,900	15,100	16,100	6,370	8,900	9,950	10,700
03184000	10,000	14,800	17,000	18,500	20,100	7,420	10,300	11,500	12,200
03184200	57	72	74	75	75	42	49	49	50



Table 2G.--Streamflow volumes - Eastern Coal Province--(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet per second, for "N"-year recurrence interval

STATION NUMBER	V15,2	V15,10	V15,25	V15,50	V15,100	V30,2	V30,10	V30,25	V30,50
03185000	281	450	525	577	627	193	303	358	398
03185500	32,200	49,600	58,700	65,600	72,700	24,200	39,200	48,000	55,000
03186000	30,400	44,700	50,200	53,800	57,000	24,600	37,000	42,400	46,100
03186500	1,300	1,830	2,080	2,260	2,430	950	1,270	1,430	1,540
03187000	2,210	3,000	3,370	3,630	3,890	1,650	2,160	2,390	2,540
03187500	,789	1,100	1,270	1,400	1,540	586	,743	,835	,908
03189000	1,650	2,380	2,740	3,000	3,250	1,240	1,670	1,860	1,990
03189100	5,110	7,220	8,180	8,870	9,530	3,850	4,940	5,430	5,780
03189500	5,840	8,090	9,140	9,900	10,600	4,460	5,830	6,430	6,860
03189650	21	30	32	34	35	15	20	21	22
03190000	2,160	3,080	3,550	3,910	4,270	1,630	2,200	2,480	2,680
03190400	2,840	3,970	4,490	4,850	5,210	2,120	2,760	3,000	3,160
03191500	252	412	497	562	629	192	287	331	363
03192000	10,600	14,400	15,900	16,900	17,900	7,700	10,200	11,300	12,100
03193830	16	23	26	29	31	12	16	17	18
03194000	1,640	1,850	1,880	1,890	1,900	1,250	1,570	1,690	1,770
03194700	2,600	3,670	4,180	4,550	4,920	1,960	2,530	2,790	2,970
03195000	2,520	3,680	4,260	4,700	5,140	1,900	2,680	3,020	3,270
03195600	38	54	61	67	72	28	42	48	53
03197000	7,870	11,700	13,500	14,800	16,100	5,800	8,170	9,220	9,970
03198450	43	62	69	72	75	30	43	47	50
03198500	2,410	3,630	4,110	4,430	4,710	1,770	2,590	2,910	3,110
03199000	1,680	2,690	3,110	3,390	3,650	1,240	1,870	2,110	2,270
03200500	4,960	7,460	8,550	9,320	10,000	3,680	5,300	6,040	6,550
03201000	1,440	2,200	2,540	2,770	2,990	1,060	1,520	1,690	1,800
03201410	61	97	114	126	138	40	59	66	71
03202000	3,050	5,260	6,470	7,410	8,390	2,290	3,600	4,240	4,700
03202400	1,900	2,960	3,290	3,470	3,620	1,310	2,070	2,370	2,570
03203000	4,510	7,810	9,520	10,800	12,100	3,450	5,730	6,810	7,590
03203600	5,230	8,720	10,100	11,000	11,700	3,560	5,660	6,580	7,210
03204000	7,530	12,300	14,400	15,800	17,100	5,580	8,870	10,200	11,100
03204500	1,520	2,470	2,850	3,090	3,310	1,110	1,650	1,810	1,900
03206500	94	208	252	278	300	69	135	154	164
03206600	272	432	496	538	575	197	286	319	340
03207000	1,650	2,760	3,230	3,560	3,850	1,240	1,950	2,220	2,400
03207020	1,950	2,560	2,650	2,680	2,700	1,310	1,770	1,860	1,900
03207500	1,470	2,350	2,760	3,060	3,350	1,010	1,580	1,870	2,090
03207800	1,790	3,030	3,550	3,910	4,240	1,240	2,070	2,480	2,770
03208000	2,230	4,140	5,260	6,160	7,120	1,590	2,800	3,460	3,970
03208500	1,740	3,020	3,640	4,090	4,520	1,230	2,060	2,450	2,730
03208950	382	646	791	904	1,020	270	435	523	591
03209000	1,330	2,210	2,620	2,920	3,220	952	1,530	1,790	1,970
03209500	6,940	12,900	16,100	18,500	21,000	4,960	8,700	10,600	11,900
03210000	383	660	780	862	937	259	447	539	607
03211500	1,070	1,890	2,190	2,370	2,510	799	1,330	1,510	1,610
03212000	,736	1,170	1,320	1,400	1,470	509	794	887	941
03212500	12,400	21,000	24,800	27,400	29,800	9,260	15,000	17,400	18,900
03213000	2,490	4,190	4,960	5,490	5,990	1,810	3,040	3,630	4,070
03213500	182	338	421	484	549	129	235	293	339
03213700	4,970	7,550	8,280	8,670	8,960	3,470	5,320	6,010	6,440
03214000	6,580	12,100	14,700	16,600	18,500	4,800	8,380	10,000	11,200
03215000	19,800	35,600	43,600	49,500	55,300	14,700	25,300	30,500	34,300
03215500	1,320	2,190	2,530	2,740	2,930	968	1,530	1,720	1,830
03216500	2,660	4,530	5,270	5,760	6,190	1,900	3,080	3,510	3,790
03216800	481	704	793	850	902	328	460	508	537
03217000	1,710	2,540	2,770	2,890	2,990	1,190	1,780	1,970	2,070
03231000	1,670	3,020	3,560	3,900	4,210	1,190	2,050	2,350	2,530
03231500	16,800	28,200	32,600	35,400	37,800	12,400	20,000	22,800	24,500
03232000	1,230	2,270	2,770	3,120	3,470	868	1,520	1,800	2,000
03232500	738	1,230	1,480	1,660	1,850	529	825	977	1,090
03234000	4,010	7,720	9,640	11,100	12,500	2,930	5,270	6,350	7,100
03234500	22,200	36,600	42,000	45,400	48,400	16,700	27,300	31,400	34,000
03235000	56	71	73	74	74	42	55	57	58
03235500	7	12	14	15	16	5	8	10	10
03237280	67	122	151	172	194	50	78	88	95
03237500	2,200	4,110	5,270	6,220	7,240	1,630	2,780	3,330	3,740
03238500	1,400	2,380	2,810	3,120	3,400	996	1,580	1,810	1,970
03239000	—	—	—	—	—	—	—	—	—
03239500	—	—	—	—	—	—	—	—	—
03240000	524	951	1,130	—	1,360	394	619	691	732

Table 2G.—Streamflow volumes - Eastern Coal Province—(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet per second, for "N"-year recurrence interval

STATION NUMBER	V15,2	V15,10	V15,25	V15,50	V15,100	V30,2	V30,10	V30,25	V30,50
03240500	148	255	307	344	380	110	165	184	196
03241000	112	205	254	291	329	81	127	147	161
03241500	314	535	610	654	689	234	341	364	374
03242050	1,660	2,720	3,060	3,250	3,390	1,200	1,950	2,170	2,290
03242150	417	603	657	686	708	287	387	410	420
03242200	463	733	828	886	934	316	450	487	507
03242300	1,250	2,100	2,610	3,030	3,480	869	1,330	1,570	1,740
03242500	3,610	6,360	7,150	7,550	7,850	2,670	4,580	5,050	5,270
03244000	1,370	2,330	2,880	3,320	3,780	956	1,490	1,720	1,890
03245500	6,160	10,600	12,400	13,400	14,400	4,410	7,140	8,070	8,630
03246200	1,150	1,740	2,050	2,290	2,550	809	1,100	1,230	1,330
03246500	1,690	2,800	3,370	3,830	4,310	1,130	1,710	1,980	2,180
03247500	3,030	5,600	7,010	8,100	9,220	2,170	3,720	4,440	4,950
03248500	976	1,520	1,680	1,760	1,820	709	1,050	1,130	1,170
03249500	5,200	8,730	10,100	11,000	11,800	3,890	6,190	6,990	7,480
03250000	387	656	792	892	993	273	436	516	574
03250100	596	910	1,060	1,160	1,270	420	629	730	803
03255500	367	544	595	623	644	260	370	396	409
03258000	.	.	.	.	.	.	.	.	.
03277400	310	469	511	531	546	205	299	325	339
03277500	3,100	5,270	6,210	6,840	7,430	2,140	3,530	4,080	4,440
03278000	17	26	31	35	39	12	17	19	21
03278500	1,360	2,150	2,420	2,570	2,700	926	1,430	1,600	1,710
03280000	6,910	12,000	14,300	15,900	17,400	5,010	8,330	9,690	10,600
03280600	1,570	2,350	2,680	2,900	3,110	1,070	1,520	1,730	1,890
03280700	507	825	953	1,040	1,110	347	550	641	704
03281000	3,400	6,130	7,650	8,850	10,100	2,490	4,460	5,570	6,460
03281100	1,360	1,960	2,160	2,280	2,390	872	1,330	1,550	1,710
03281500	5,560	9,130	10,700	11,800	12,800	3,850	6,260	7,400	8,240
03282000	17,700	28,700	33,600	37,100	40,400	12,900	20,600	24,100	26,700
03282500	498	778	902	987	1,070	340	537	625	687
03283000	206	317	363	393	420	142	212	237	253
03283500	2,350	4,070	4,820	5,340	5,820	1,730	2,880	3,370	3,700
03285000	2,450	4,270	5,210	5,910	6,610	1,740	3,060	3,720	4,190
03304500	16	25	27	28	29	10	18	22	24
03305000	188	296	333	355	374	124	201	230	249
03305500	339	494	535	556	571	225	405	478	524
03400500	607	957	1,140	1,290	1,440	438	670	789	878
03400800	704	974	1,080	1,150	1,210	476	699	812	897
03401000	3,260	4,880	5,670	6,250	6,830	2,310	3,400	3,930	4,320
03402000	585	866	987	1,070	1,150	406	585	663	716
03403000	7,070	11,000	13,000	14,400	15,800	4,930	7,500	8,810	9,790
03403500	8,130	13,200	15,800	17,700	19,600	5,880	9,300	11,000	12,300
03403910	2,870	4,240	4,780	5,140	5,460	1,840	2,900	3,520	4,030
03404000	13,400	20,100	23,000	25,100	27,000	9,430	14,100	16,300	17,800
03404500	15,100	23,200	26,900	29,500	32,000	11,100	17,000	19,900	21,900
03404900	408	659	800	913	1,030	296	476	579	663
03405000	1,710	2,550	2,870	3,080	3,260	1,240	1,830	2,070	2,230
03406000	28	45	51	55	58	20	32	36	39
03406500	4,930	7,760	8,900	9,650	10,300	3,450	5,420	6,250	6,830
03407000	5,170	8,950	10,900	12,400	14,000	3,850	6,330	7,560	8,470
03407100	5	10	13	14	16	4	6	7	8
03407300	6	11	13	15	16	4	7	8	9
03407500	1,350	2,480	3,160	3,730	4,340	960	1,690	2,090	2,410
03408000	2,890	4,670	5,520	6,130	6,720	2,120	3,340	3,950	4,400
03408500	3,910	5,650	6,440	6,990	7,520	2,760	4,000	4,560	4,960
03409500	2,590	3,930	4,530	4,950	5,350	1,830	2,770	3,220	3,550
03410500	9,070	13,200	14,900	16,200	17,300	6,330	9,190	10,600	11,700
03411000	11,100	16,900	19,300	21,000	22,500	8,090	12,800	15,000	16,500
03411500	37,000	57,000	66,000	72,000	—	29,000	43,000	48,000	52,000
03412500	224	342	397	436	474	156	259	312	352
03413200	344	576	715	830	953	227	394	494	576
03414000	42,000	59,000	65,000	—	—	31,000	43,000	46,000	.
03414500	2,080	3,170	3,720	4,130	4,540	1,480	2,190	2,580	2,880
03415000	877	1,310	1,510	1,650	1,780	599	910	1,080	1,220
03415500	3,550	6,040	7,260	8,160	9,050	2,660	4,530	5,410	6,040
03416000	967	1,590	1,910	2,150	2,390	677	1,080	1,300	1,470
03418000	566	944	1,140	1,280	1,430	404	670	805	906
03418500	1,110	1,710	1,990	2,190	2,390	855	1,280	1,450	1,550
03420000	1,850	2,810	3,240	3,540	3,820	1,360	1,920	2,140	2,290

Table 2G.—Streamflow volumes - Eastern Coal Province--(continued)

VD, N - Flood volume characteristic: annual maximum "D"-day mean discharge,  
in cubic feet per second, for "N"-year recurrence interval

STATION NUMBER	V15,2	V15,10	V15,25	V15,50	V15,100	V30,2	V30,10	V30,25	V30,50
03420500	1,160	1,870	2,140	2,300	2,450	849	1,270	1,400	1,470
03421000	5,800	9,290	10,700	11,700	12,600	4,310	6,460	7,220	7,680
03423000	675	1,070	1,220	1,320	1,410	490	737	823	876
03467000	1,250	2,160	2,710	3,160	3,650	902	1,370	1,630	1,830
03471500	389	624	761	871	989	293	437	514	573
03472500	387	815	1,160	1,490	1,890	295	527	698	856
03473000	1,670	2,570	3,080	3,500	3,940	1,270	1,830	2,130	2,350
03473500	30	59	83	107	136	23	43	57	69
03474000	640	1,100	1,390	1,630	1,890	461	746	925	1,080
03474500	676	1,280	1,690	2,060	2,480	518	893	1,120	1,310
03475000	969	1,360	1,480	1,550	1,610	725	949	1,000	1,030
03477500	42	77	104	129	159	33	56	72	85
03478400	106	181	220	250	281	86	135	160	177
03487550	170	286	363	430	505	131	207	257	300
03488000	1,260	2,030	2,440	2,760	3,090	910	1,420	1,680	1,880
03489500	2,610	4,560	5,630	6,470	7,350	1,980	3,140	3,710	4,120
03490000	4,010	6,630	8,120	9,310	10,600	2,920	4,660	5,570	6,250
03491000	313	521	625	701	776	225	345	398	436
03496000	108	167	190	205	217	79	109	120	127
03521500	810	1,320	1,600	1,810	2,040	580	933	1,140	1,320
03524000	3,010	4,770	5,670	6,330	7,000	2,220	3,460	4,080	4,540
03524500	656	1,060	1,250	1,390	1,520	476	785	938	1,050
03526000	595	1,040	1,330	1,580	1,860	447	702	849	966
03527000	6,690	10,800	12,900	14,500	16,100	5,060	7,820	9,110	10,000
03528000	9,060	14,700	17,500	19,600	21,800	6,800	10,500	12,200	13,300
03528300	59	111	129	139	148	47	81	91	96
03528400	19	32	37	40	44	14	21	24	25
03529500	956	1,540	1,810	2,000	2,190	699	1,080	1,240	1,350
03531000	2,000	3,480	4,360	5,080	5,850	1,620	2,680	3,250	3,690
03531500	2,570	4,050	4,740	5,240	5,730	1,880	2,820	3,230	3,530
03532000	5,100	8,120	9,610	10,700	11,800	3,810	5,800	6,730	7,390
03533000	17,300	28,400	33,900	38,000	42,200	13,900	22,000	26,000	28,800
03535000	476	887	1,100	1,270	1,440	349	593	714	804
03537000	36	52	57	60	62	26	34	36	38
03538225	907	1,400	1,620	1,760	1,900	621	944	1,100	1,220
03538250	191	280	316	340	362	138	197	225	244
03538500	864	1,350	1,570	1,730	1,880	623	921	1,040	1,130
03539500	948	1,480	1,690	1,840	1,970	712	1,030	1,130	1,200
03539600	1,350	2,000	2,310	2,530	2,760	992	1,380	1,550	1,670
03539800	5,300	7,660	8,590	9,190	9,740	3,900	5,560	6,290	6,810
03540500	7,750	11,600	13,100	14,100	15,000	5,580	8,150	9,200	9,910
03541500	1,210	1,750	1,960	2,100	2,220	881	1,220	1,340	1,410
03543500	1,030	1,610	1,850	2,010	2,150	730	1,050	1,160	1,240
03544500	541	776	876	945	1,010	393	558	629	678
03565500	395	694	870	1,010	1,160	306	472	557	621
03566420	168	258	310	352	397	120	176	205	228
03567500	3,640	5,460	6,210	6,700	7,160	2,660	3,640	3,940	4,120
03571000	3,620	5,360	6,040	6,480	6,880	2,730	3,840	4,210	4,430
03572900	1,530	2,210	2,450	2,590	2,710	1,080	1,510	1,660	1,770
03574500	3,960	5,770	6,380	6,740	7,040	2,880	3,810	4,040	4,160
03575000	2,890	4,320	4,760	5,000	5,190	2,080	3,040	3,340	3,500
03576148	1,420	2,010	2,230	2,360	2,480	1,060	1,440	1,550	1,610
03576250	1,120	1,770	2,000	2,130	2,240	794	1,180	1,300	1,370
03576400	539	766	824	854	875	384	500	521	529
03576500	947	1,420	1,630	1,780	1,920	626	972	1,150	1,270
03578000	726	1,060	1,220	1,330	1,450	527	711	787	839
03579100	2,220	3,720	4,260	4,590	4,860	1,690	2,750	3,110	3,330
03582000	6,990	10,600	11,700	12,200	12,600	5,340	8,170	9,050	9,550
03584000	3,450	5,570	6,380	6,890	7,340	2,490	3,940	4,460	4,790
03584500	14,400	23,900	27,900	30,500	32,900	10,900	17,400	19,800	21,300
03585300	1,240	1,880	2,160	2,350	2,540	936	1,270	1,380	1,430
03586500	1,730	2,430	2,620	2,710	2,780	1,160	1,680	1,850	1,950
03589250	92	138	154	163	171	69	101	112	118
03590000	1,590	2,620	2,980	3,200	3,380	1,210	1,980	2,240	2,400
03591800	1,390	2,030	2,260	2,400	2,520	955	1,420	1,600	1,710
03592000	2,060	3,380	4,140	4,740	5,380	1,580	2,550	3,030	3,390
03592200	1,720	2,770	3,270	3,630	3,980	1,200	1,950	2,330	2,600
03592300	717	1,170	1,380	1,530	1,660	496	805	946	1,050
03592500	5,690	9,060	10,500	11,500	12,400	4,090	6,320	7,230	7,830

Table 2H.--Streamflow volumes - Interior Coal Province

STATION NUMBER	V3,2	V3,10	V3,25	V3,50	V3,100	V7,2	V7,10	V7,25	V7,50	V7,100
03308500	23,900	41,200	50,200	56,900	63,600	17,200	30,100	36,400	41,100	45,700
03309000	25,600	45,200	55,800	64,000	72,500	19,300	36,400	45,100	51,600	58,000
03310300	5,150	9,470	11,600	13,100	14,600	3,380	6,060	7,460	8,520	9,600
03310500	7,870	14,500	17,200	19,100	20,700	5,540	10,200	12,000	13,100	14,100
03311000	8,220	12,700	13,700	14,300	14,600	5,710	9,680	10,900	11,500	12,100
03311500	32,700	54,400	64,400	71,600	78,400	26,600	45,400	53,800	59,700	65,200
03312000	759	1,210	1,390	1,500	1,610	434	715	845	938	1,030
03314500	24,500	43,800	54,200	62,300	70,600	17,000	29,100	34,600	38,400	42,000
03315000	19,100	35,200	43,900	50,500	57,200	13,500	29,500	41,100	51,600	63,900
03316000	2,510	3,620	3,880	4,010	4,090	1,450	2,250	2,500	2,640	2,750
03317000	4,450	6,660	7,050	7,210	7,290	2,660	3,940	4,170	4,270	4,320
03317500	558	1,090	1,480	1,840	2,260	339	645	854	1,040	1,250
03318000	7,530	10,300	10,700	10,800	10,900	4,870	7,190	7,600	7,760	7,860
03318200	513	976	1,270	1,510	1,770	273	514	682	831	1,000
03318500	7,870	11,100	11,700	12,100	12,300	6,310	7,830	7,940	7,960	7,970
03318800	2,840	4,470	5,300	5,910	6,530	1,770	2,870	3,470	3,930	4,400
03319000	9,630	14,400	15,500	16,000	16,400	7,770	11,100	11,600	11,800	11,900
03320500	4,320	7,760	9,750	11,300	13,000	2,580	4,500	5,600	6,480	7,410
03321350	1,370	1,790	1,970	2,090	2,210	727	1,090	1,390	1,670	2,030
03329400	69	99	123	134	148	48	64	69	75	78
03329700	2,400	4,720	6,100	7,500	8,900	1,760	3,120	3,900	4,650	5,550
03332300	260	370	411	450	480	181	289	337	370	401
03332400	1,200	1,750	2,100	2,300	2,600	,882	1,280	1,510	1,700	1,900
03334000	3,200	7,000	9,300	10,000	11,300	2,630	4,570	5,800	6,900	8,100
03334500	2,470	4,580	5,900	7,200	8,400	1,670	2,850	3,500	4,200	4,800
03335000	7,000	12,900	16,000	18,500	21,600	5,300	8,900	10,700	12,000	13,400
03335690	428	857	—	—	—	275	503	—	—	—
03335700	3,100	4,520	5,030	5,600	5,940	2,060	2,880	3,340	3,570	3,780
03336500	500	1,010	1,260	1,440	1,620	280	525	649	740	830
03336900	1,340	2,770	3,670	4,430	5,260	845	1,550	1,950	2,270	2,600
03337000	38	64	78	89	100	22	35	42	48	54
03337500	503	1,090	1,380	1,600	1,810	342	693	859	976	1,090
03338000	2,380	4,110	4,550	4,760	4,910	1,570	2,660	2,960	3,120	3,240
03338500	6,430	14,100	19,000	23,000	27,400	4,440	9,090	11,800	13,900	16,100
03339000	10,200	18,900	22,700	25,200	27,500	7,200	12,300	14,200	15,400	16,500
03339108	420	706	920	1,080	1,230	252	401	475	530	584
03339120	2,930	5,400	—	—	—	1,850	2,900	—	—	—
03339150	3,050	5,300	—	—	—	1,900	3,120	—	—	—
03339500	6,440	11,300	12,700	13,300	13,800	4,290	6,950	7,560	7,830	8,000
03340000	8,790	15,600	19,100	22,000	24,800	5,300	9,400	11,700	13,300	15,000
03340800	2,050	3,500	4,300	5,000	5,700	1,290	1,770	1,980	2,150	2,300
03341200	1,990	3,740	4,410	5,250	6,100	1,140	1,850	2,120	2,290	2,530
03342150	227	382	469	539	612	130	250	320	375	445
03343400	2,030	3,400	3,990	4,390	4,750	1,300	2,090	2,480	2,770	3,050
03344500	139	247	265	271	274	74	128	135	138	139
03345500	12,200	19,700	21,100	21,600	22,000	9,800	14,600	15,300	15,600	15,700
03346000	4,860	8,090	8,600	8,780	8,880	2,860	4,500	4,710	4,770	4,800
03357000	24,700	42,000	50,000	56,000	63,000	19,500	32,500	36,700	39,000	43,000
03357350	55	97	122	140	162	31	48	60	69	76
03357500	4,300	9,030	12,100	14,700	17,300	2,950	4,860	5,640	6,500	7,300
03358000	4,190	7,000	8,600	9,400	10,400	2,360	4,150	4,630	5,060	5,600
03359500	1,220	1,900	2,270	2,560	2,860	612	921	1,080	1,190	1,300
03360500	35,000	55,000	66,400	75,000	83,000	29,200	45,500	53,700	62,000	68,000
03372700	1,100	2,060	2,640	3,110	3,610	647	1,140	1,440	1,670	1,930
03373000	9,380	16,400	19,700	22,800	25,500	6,880	11,600	14,000	16,000	17,000
03373200	1,000	1,750	2,190	2,560	2,960	600	928	1,100	1,230	1,360
03373700	3,570	5,500	6,300	7,200	7,900	2,490	3,750	4,400	5,000	5,500
03375800	525	1,420	—	—	—	289	664	—	—	—
03376260	427	690	830	930	1,030	224	360	420	470	525
03376300	4,420	11,100	15,500	19,700	24,500	4,100	9,500	13,100	16,200	21,000
03378000	2,750	3,980	4,200	4,280	4,330	2,290	3,250	3,350	3,380	3,390
03378550	1,960	3,400	4,200	4,900	5,580	1,180	1,930	2,300	2,630	2,950
03378900	7,870	13,500	16,200	18,200	20,100	5,640	9,400	11,100	12,300	13,500
03379500	10,600	23,100	29,300	33,600	37,800	8,510	15,400	17,500	18,500	19,300
03380350	3,160	6,690	8,480	9,800	11,100	1,900	3,650	4,350	4,790	5,180
03380475	2,080	3,450	3,780	3,940	4,050	1,160	1,830	1,960	2,020	2,060
03380500	6,130	12,500	15,300	17,200	19,000	4,260	7,900	9,070	9,720	10,200
03381500	13,800	26,300	32,700	37,400	42,000	13,800	24,700	28,900	31,500	33,700
03383000	3,460	6,400	8,050	9,370	10,700	2,840	4,910	5,910	6,650	7,360
03384000	48	103	134	157	180	25	53	66	76	85



Table 2H.—Streamflow volumes - Interior Coal Province—(continued)

STATION NUMBER	V3,2	V3,10	V3,25	V3,50	V3,100	V7,2	V7,10	V7,25	V7,50	V7,100
03437500	1,060	1,740	1,970	2,100	2,210	607	980	1,110	1,190	1,250
03438070	983	1,350	1,460	1,520	1,560	499	787	908	989	1,060
05554000	1,310	2,560	3,290	3,880	4,510	970	1,950	2,540	3,030	3,550
05554500	3,610	7,570	10,100	12,200	14,500	2,590	5,390	7,160	8,650	10,300
05555000	6,400	10,700	12,400	13,500	14,400	4,930	7,760	8,850	9,560	10,200
05555500	7,540	16,400	21,000	24,500	28,000	5,470	11,300	14,000	15,900	17,700
05556500	1,790	3,660	4,360	4,780	5,120	1,090	2,050	2,370	2,560	2,700
05557000	638	1230	1500	1680	1860	378	739	907	1,020	1,140
05557500	809	1540	1790	1940	2060	471	906	1,080	1,180	1,270
05558000	4,220	6,790	7,940	8,750	9,520	2,760	4,260	4,810	5,160	5,460
05558500	438	1,060	1,550	2,020	2,590	280	597	797	964	1,150
05559000	71	134	165	187	208	37	70	88	102	115
05559500	931	1,500	1,650	1,720	1,770	84	910	983	1,020	1,040
05561000	101	193	235	264	291	59	107	129	143	157
05563000	1,200	1,990	2,160	2,230	2,280	724	1,170	1,270	1,310	1,340
05563500	2,910	4,880	5,470	5,780	6,020	1,760	2,670	2,870	2,960	3,010
05564400	409	662	782	868	951	266	400	453	489	521
05564500	450	799	890	934	964	287	493	546	571	588
05565000	88	225	308	375	445	58	131	170	199	227
05566000	50	116	185	262	369	33	68	96	125	161
05566500	208	511	777	1,050	1,400	139	307	425	531	652
05567000	688	1,790	2,650	3,450	4,420	486	1,030	1,320	1,520	1,730
05567500	5,050	10,500	14,000	17,000	20,400	3,480	6,490	8,070	9,270	10,500
05568000	5,580	13,400	18,500	22,800	27,600	4,200	9,130	11,800	13,800	15,800
05568800	540	1,170	1,510	1,770	2,030	331	679	875	1,030	1,190
05569500	7,410	15,400	20,300	24,400	28,900	5,220	10,300	13,000	15,200	17,500
05570000	9,830	18,900	23,500	27,000	30,300	7,350	14,100	17,300	19,600	21,800
05571000	3,110	6,270	7,890	9,080	10,300	2,160	3,930	4,720	5,270	5,770
05572000	4,020	8,200	10,400	12,000	13,600	3,000	5,510	6,620	7,370	8,070
05574000	139	392	572	730	909	73	193	276	347	427
05574500	2,930	5,370	6,160	6,610	6,960	1,920	3,350	3,760	3,970	4,130
05575500	4,210	9,930	13,000	15,300	17,600	3,390	6,950	8,410	9,330	10,100
05576000	4,690	10,600	13,500	15,400	17,200	4,130	8,790	10,700	12,000	13,100
05576500	12,600	27,800	33,700	37,200	40,200	11,100	23,200	27,200	29,400	31,100
05577500	930	1,860	2,140	2,290	2,400	581	1,070	1,180	1,230	1,270
05578500	2,590	6,410	8,750	10,600	12,600	1,880	3,710	4,510	5,060	5,550
05579500	1,540	3,240	3,840	4,180	4,450	1,100	2,070	2,330	2,450	2,540
05580000	1,850	3,540	4,410	5,060	5,700	1,160	2,040	2,470	2,780	3,080
05580500	2,230	4,410	5,500	6,280	7,050	1,440	2,580	3,090	3,460	3,800
05581500	2,280	3,880	4,600	5,090	5,550	1,450	2,320	2,700	2,950	3,190
05582000	9,490	20,600	27,000	32,100	37,300	7,380	15,100	19,500	22,900	26,500
05582500	91	219	307	383	468	68	145	191	228	268
05584400	228	566	777	950	1,130	132	303	413	505	606
05584500	5,650	13,000	17,400	20,800	24,300	3,490	7,820	10,200	12,100	14,000
05585000	7,400	13,800	16,600	18,500	20,300	5,800	11,000	13,200	14,700	16,000
05586000	277	659	818	918	1,000	168	353	411	443	467
05586500	21	51	66	76	86	13	28	34	38	41
05586800	826	1,700	2,070	2,300	2,510	463	928	1,130	1,260	1,380
05587000	7,730	17,700	21,200	23,100	24,600	5,230	11,800	13,800	14,900	15,600
05588000	503	1,390	1,950	2,390	2,860	269	694	921	1,090	1,250
05589500	291	811	1,210	1,570	2,000	159	422	604	762	939
05590000	119	243	321	386	456	75	136	168	193	218
05590400	984	1,730	2,140	2,460	2,790	646	1,070	1,300	1,480	1,670
05590500	1,170	2,390	2,980	3,420	3,830	686	1,320	1,620	1,830	2,030
05591500	117	170	172	173	173	—	—	—	—	—
05592000	8,330	17,800	20,900	22,500	23,700	6,670	12,600	14,000	14,600	15,000
05592300	822	1,490	1,790	2,000	2,190	431	812	1,010	1,150	1,290
05592500	12,800	22,300	24,300	25,200	25,700	10,500	16,600	17,600	17,900	18,100
05593000	14,300	29,200	33,300	35,300	36,800	12,800	24,100	26,700	27,800	28,500
05593600	222	519	663	764	858	121	302	398	468	537
05593900	831	1,540	1,860	2,070	2,270	446	915	1,140	1,300	1,450
05594000	6,870	13,300	15,600	16,900	18,000	4,840	9,210	10,500	11,200	11,800
05595500	254	721	1,040	1,300	1,600	126	347	493	615	747
05595800	296	541	662	749	835	166	280	328	360	389
05596000	5,890	15,000	21,700	27,800	34,800	3,990	9,520	13,500	17,100	21,200
05597000	7,270	14,400	16,900	18,400	19,600	6,140	11,300	12,700	13,400	13,900
05597500	505	969	1,190	1,350	1,500	270	519	631	707	778
05599000	3,250	7,960	11,200	13,900	17,000	2,110	4,750	6,160	7,210	8,250
05599500	12,200	24,100	28,500	31,200	33,400	11,400	22,400	26,100	28,300	30,000
05600000	679	1,210	1,410	1,520	1,620	361	650	768	844	912

Table 2H.--Streamflow volumes - Interior Coal Province--(continued)

STATION NUMBER	V15,2	V15,10	V15,25	V15,50	V15,100	V30,2	V30,10	V30,25	V30,50
03308500	12,200	20,500	24,200	26,800	29,200	9,260	15,200	17,800	19,600
03309000	13,500	27,600	34,900	40,200	45,500	10,500	19,500	23,800	26,800
03310300	2,300	3,800	4,570	5,130	5,700	1,660	2,490	2,850	3,110
03310500	3,830	7,300	8,750	9,700	10,500	2,830	5,220	6,220	6,860
03311000	3,860	7,580	9,180	10,200	11,200	2,750	5,440	6,700	7,590
03311500	19,000	32,700	38,500	42,400	45,800	14,200	24,100	28,400	31,300
03312000	272	459	552	621	689	185	306	359	397
03314500	11,900	19,900	23,300	25,400	27,400	9,170	14,300	16,000	16,900
03315000	9,040	20,600	29,200	37,200	46,600	6,990	14,100	18,400	21,900
03316000	948	1,360	1,460	1,510	1,550	634	990	1,110	1,180
03317000	1,770	2,780	3,010	3,110	3,170	1,270	2,030	2,210	2,300
03317500	214	382	484	569	662	147	238	294	340
03318000	3,470	5,900	6,590	6,940	7,200	2,430	4,150	4,650	4,910
03318200	169	295	371	434	503	110	173	209	238
03318500	4,440	6,250	6,510	6,590	6,640	3,210	5,100	5,530	5,730
03318800	1,090	1,750	2,110	2,400	2,690	741	1,040	1,170	1,270
03319000	5,460	8,870	9,690	10,100	10,300	3,970	6,460	7,060	7,350
03320500	1,650	2,690	3,230	3,640	4,050	1,120	1,780	2,090	2,320
03321350	450	748	1,010	1,280	1,610	319	505	658	805
03329400	35	44	45	46	47	26	30	32	33
03329700	1,190	2,050	2,700	3,200	3,700	780	1,470	1,860	2,200
03332300	123	165	220	230	270	295	130	160	180
03332400	580	781	870	960	1,030	460	536	540	540
03334000	1,790	3,070	3,560	3,940	4,600	1,290	2,200	2,930	3,500
03334500	1,080	1,970	2,290	2,500	2,680	786	1,360	1,580	1,920
03335000	3,600	5,900	7,000	7,760	9,000	2,680	4,230	5,000	5,700
03335690	179	270	—	—	—	129	192	.	.
03335700	1,250	1,840	2,110	2,380	2,570	900	1,230	1,380	1,480
03336500	169	274	315	342	365	115	170	186	194
03336900	537	933	1,160	1,330	1,520	378	586	689	765
03337000	15	22	25	28	31	11	16	19	20
03337500	247	466	554	610	658	178	341	405	444
03338000	1,080	2,000	2,340	2,540	2,710	826	1,540	1,780	1,930
03338500	3,120	6,530	8,420	9,870	11,400	2,380	4,570	5,560	6,240
03339000	4,850	8,070	9,190	9,860	10,400	3,530	5,430	5,930	6,180
03339108	170	270	345	400	460	119	175	194	206
03339120	1120	1520	.	.	.	734	1010	.	.
03339150	1180	1860	.	.	.	789	1180	.	.
03339500	2800	3600	5100	5400	5600	1800	3000	3500	3700
03340000	3400	5650	6800	7800	8800	2440	4000	4700	5400
03340800	810	1190	1380	1500	1650	563	788	900	1000
03341200	706	1050	1190	1310	1410	483	681	780	850
03342150	81	140	176	188	210	51	77	87	94
03343400	821	1220	1400	1530	1650	572	791	869	916
03344500	45	81	86	88	89	30	46	48	48
03345500	7090	10600	11100	11300	11300	5070	7310	7590	7680
03346000	1860	2920	3040	3080	3090	1250	1830	1880	1890
03357000	14500	24300	28800	32600	36500	10200	16700	19600	21700
03357350	20	40	50	20	72	14	.	29	33
03357500	1780	3170	3950	4550	5200	1230	2150	2600	3000
03358000	1400	2450	3070	3500	3950	1010	1640	1950	2250
03359500	366	565	690	754	870	250	411	490	560
03360500	21400	34700	41700	47000	53000	15800	16300	31700	36300
03372700	410	663	830	950	1060	285	415	469	506
03373000	4330	8700	9600	11200	12900	2970	5350	6700	7800
03373200	366	571	671	745	819	245	350	391	450
03373700	1640	2300	2790	3100	3360	1170	1500	1650	1760
03375800	169	378	.	.	.	117	230	.	.
03376260	126	201	260	300	329	85	121	140	166
03376300	3600	7400	9600	11600	13700	2600	4550	5550	6400
03378000	1470	2480	2710	2810	2870	1010	1590	1690	1730
03378550	667	1160	1420	1630	1840	450	646	745	830
03378900	3550	6820	8740	10300	11900	2400	4320	5400	6250
03379500	5860	10300	11300	11800	12100	4190	6840	7310	7480
03380350	1120	2200	2680	3000	3300	736	1370	1660	1870
03380475	666	1070	1170	1230	1260	441	678	732	758
03380500	2730	5120	5890	6330	6660	1870	3240	3590	3770
03381500	13000	20900	22600	23400	23900	10900	16200	17000	17200
03383000	1970	3190	3670	3970	4250	1400	2100	2320	2460
03384000	15	27	32	34	37	10	17	18	19

Table 2H.—Streamflow volumes - Interior Coal Province—(continued)

STATION NUMBER	V15,2	V15,10	V15,25	V15,50	V15,100	V30,2	V30,10	V30,25	V30,50
03437500	391	613	691	739	778	265	420	478	513
03438070	285	437	518	580	644	199	297	341	373
05554000	696	1420	1850	2180	2540	484	939	1190	1400
05554500	1820	3660	4750	5620	6540	1320	2530	3150	3590
05555000	3300	5630	6800	7670	8530	2320	4360	5470	6320
05555500	3830	7620	9190	10200	11100	2660	5090	6020	6590
05556500	712	1270	1430	1510	1570	489	838	927	969
05557000	236	458	558	626	690	161	311	380	428
05557500	302	570	665	721	766	196	380	447	487
05558000	1770	2900	3350	3640	3910	1330	1880	2000	2060
05558500	177	366	478	569	666	122	243	307	356
05559000	22	42	54	63	73	14	27	35	41
05559500	384	558	586	597	603	270	366	376	379
05561000	37	70	84	93	100	25	47	54	59
05563000	475	634	647	650	651	318	386	388	389
05563500	1080	1630	1750	1800	1840	733	1050	1100	1120
05564400	178	260	290	309	326	123	192	223	244
05564500	191	363	417	446	467	131	226	247	257
05565000	40	87	111	128	144	28	55	65	71
05566000	19	40	58	77	101	12	27	40	53
05566500	92	191	258	315	379	63	127	165	197
05567000	299	605	742	836	922	215	378	426	452
05567500	2490	4070	4650	5010	5310	1770	2880	3290	3540
05568000	3030	6470	8150	9330	10500	2170	4350	5300	5930
05568800	219	434	553	646	741	146	303	393	464
05569500	3510	6360	7760	8780	9780	2350	4240	5210	5940
05570000	4980	9210	11100	12400	13600	3390	6220	7480	8350
05571000	1410	2300	2630	2840	3010	1040	1550	1700	1780
05572000	2070	3580	4160	4520	4840	1480	2460	2790	2980
05574000	42	107	146	177	209	29	64	80	91
05574500	1180	2120	2390	2530	2640	792	1370	1520	1590
05575500	2370	4610	5360	5780	6120	1650	3150	3600	3840
05576000	2900	6200	7540	8380	9100	2090	4110	4770	5130
05576500	8430	17400	20300	21800	23000	6200	12400	14200	15200
05577500	392	679	732	752	763	268	480	526	547
05578500	1280	2300	2680	2910	3110	918	1570	1790	1920
05579500	756	1240	1340	1380	1410	567	906	965	987
05580000	770	1230	1420	1550	1660	550	902	1050	1150
05580500	997	1620	1870	2020	2160	708	1110	1250	1330
05581500	987	1520	1740	1890	2030	684	1030	1170	1270
05582000	5390	9990	12300	14100	15800	3970	7080	8590	9680
05582500	52	99	124	142	160	40	73	91	104
05584400	90	183	234	273	313	64	118	142	158
05584500	2200	4920	6450	7630	8840	1510	3090	3890	4470
05585000	4030	7510	8780	9550	10200	2760	5180	6070	6600
05586000	111	214	240	252	260	79	147	161	167
05586500	9	16	18	19	19	6	11	12	13
05586800	262	526	644	723	796	173	314	374	414
05587000	3220	7820	9370	10200	10800	2140	5100	6100	6640
05588000	161	417	544	632	714	105	247	308	346
05589500	100	242	320	379	438	66	152	197	229
05590000	51	84	97	105	113	36	60	69	74
05590400	445	649	747	818	889	316	439	486	517
05590500	415	749	916	1040	1160	311	532	619	676
05591500	.	.	.	.	.	.	.	.	.
05592000	4700	8120	8800	9080	9250	3440	5390	5660	5740
05592300	248	484	609	702	796	164	286	339	376
05592500	7920	12500	13200	13400	13600	5870	9350	9870	10000
05593000	10100	18000	19400	20000	20300	7930	13000	13600	13900
05593600	69	188	254	303	352	45	108	141	165
05593900	242	555	730	864	1000	166	339	425	486
05594000	3020	6070	7030	7540	7930	2070	3860	4310	4510
05595500	76	203	281	342	406	51	135	184	221
05595800	107	161	176	183	188	72	104	111	115
05596000	2620	5830	7860	9560	11400	1840	3580	4450	5070
05597000	4490	8110	9000	9400	9680	3170	5350	5760	5930
05597500	162	289	335	363	386	106	176	197	209
05599000	1320	2850	3600	4120	4610	921	1760	2080	2270
05599500	9660	18800	21700	23200	24300	7350	14100	15900	16800
05600000	210	421	523	596	667	142	260	309	340

Table 2I.-- Low flow statistics-Eastern Coal Province

MD, N - Low-flow characteristic; annual minimum "D" - day mean discharge,  
in cubic feet per second, for "N" - year recurrence interval

STATION NUMBER	Q3,2	Q3,10	Q3,20	Q7,2	Q7,5	Q7,10	Q7,20
01516500	0.40	0.20	0.20	0.30	0.10	0.00	0.00
01517000	—	.01	.01	—	.01	.01	.00
01518000	15.80	7.50	6.10	17.30	10.70	8.40	6.90
01518500	—	2.00	1.60	—	2.80	2.10	1.70
01520000	—	1.70	1.30	—	2.80	1.80	.00
01541000	—	23.00	20.00	39.30	29.00	24.00	21.00
01541308	—	—	—	—	—	—	.00
01541500	—	19.00	14.00	41.90	28.00	21.00	16.00
01542000	—	8.40	7.50	10.80	9.80	8.70	7.70
01542500	—	122.00	107.00	190.00	143.00	125.00	110.00
01546000	—	1.70	1.20	6.84	2.90	2.15	1.48
01546500	—	23.00	20.00	36.30	30.00	25.40	22.70
01547100	—	—	—	—	—	—	.00
01547200	—	82.00	72.00	—	100.00	90.00	79.00
01547500	—	97.00	87.00	—	110.00	99.00	89.00
01547700	—	.20	.05	—	.90	.30	.00
01547800	—	—	—	—	—	—	.00
01547950	—	—	—	—	—	—	.00
01548000	—	113.00	102.00	145.00	130.00	117.00	106.00
01556000	—	41.00	37.00	63.70	51.00	44.00	39.00
01556500	—	9.60	8.70	—	11.00	10.00	9.00
01557500	—	2.60	2.00	—	3.70	2.80	2.20
01558000	—	61.00	58.00	73.30	68.00	62.00	59.00
01559000	—	135.00	115.00	—	180.00	155.00	138.00
01559500	—	9.70	8.70	—	11.50	10.20	9.20
01595000	9.30	4.40	3.40	10.70	6.60	4.90	3.80
01595500	25.40	10.90	8.30	29.50	17.10	12.30	9.10
01595800	38.20	18.50	13.70	42.40	27.60	20.20	14.90
01596000	35.30	15.20	11.10	39.50	25.60	19.60	15.40
01596500	1.90	.80	.60	2.20	1.20	.90	.70
01597000	1.50	1.00	.90	1.60	1.20	1.00	.90
01598000	4.40	1.50	1.00	4.90	2.40	1.60	1.20
01599000	5.00	2.70	2.30	5.40	3.60	2.90	2.40
01600000	97.60	56.20	46.40	104.00	74.00	60.20	49.90
01601000	2.20	.80	.60	2.40	1.20	.90	.70
01601500	21.00	12.60	10.90	22.20	15.60	13.00	11.20
01603000	134.00	58.60	40.50	140.00	89.80	63.70	45.10
01603500	2.80	1.70	1.50	3.00	2.20	1.80	1.60
01609000	6.00	1.80	1.20	6.60	3.10	1.90	1.30
01609500	.00	.00	.00	.00	.00	.00	.00
01610000	302.00	211.00	192.00	319.00	247.00	218.00	197.00
01610155	.30	.20	.20	.50	.30	.30	.30
01612500	.10	.00	.00	.20	.10	.10	.10
01613000	366.00	258.00	236.00	354.00	299.00	256.00	237.00
01614500	84.00	48.70	40.70	88.20	63.10	51.80	43.60
01617800	3.50	1.30	.90	3.80	2.50	2.10	1.80
01618000	577.00	358.00	315.00	580.00	463.00	370.00	330.00
01619000	37.80	22.60	18.60	38.90	28.70	23.60	19.60
01619500	89.00	61.70	55.90	92.40	72.60	64.40	58.50
01620500	.70	.20	.10	.70	.30	.20	.10
01622000	54.30	36.00	32.30	56.90	43.80	38.70	35.10
01624300	37.00	26.20	24.30	38.30	30.30	27.30	25.40
01625000	73.80	48.40	42.90	76.50	59.00	51.70	46.40
01626000	29.20	22.70	21.40	29.90	25.30	23.60	22.40
01627500	63.40	44.60	39.90	65.90	53.30	47.40	42.80
01628500	212.00	147.00	133.00	218.00	170.00	152.00	139.00
01629500	299.00	224.00	210.00	326.00	270.00	247.00	231.00
01631000	326.00	220.00	195.00	350.00	275.00	242.00	217.00
01632000	2.90	.70	.40	3.20	1.30	.70	.50
01632900	12.80	7.50	6.50	13.00	9.10	7.70	6.70
01633000	33.80	16.40	13.30	35.50	22.10	17.20	14.00
01633500	6.90	5.50	5.30	7.20	6.00	5.60	5.30
01634000	96.70	62.30	54.70	101.10	76.80	66.40	58.80
01634500	7.20	3.90	3.30	7.60	5.10	4.10	3.50
01635500	2.50	1.10	.80	2.80	1.60	1.20	.90
02011500	7.20	3.20	2.50	7.60	4.60	3.50	2.70
02012500	78.50	61.90	58.50	81.20	68.90	63.90	60.30
02013000	14.50	10.20	9.30	15.20	12.00	10.60	9.70
02014000	22.80	16.40	15.20	23.80	18.90	17.00	15.70
02016000	70.30	52.20	48.20	73.00	59.70	53.90	49.70



Table 2I.-- Low flow statistics-Eastern Coal Province-(continued)

MD, N - Low-flow characteristic; annual minimum "D" - day mean discharge,  
in cubic feet per second, for "N" - year recurrence interval

STATION NUMBER	Q3,2	Q3,10	Q3,20	Q7,2	Q7,5	Q7,10	Q7,20
02016500	227.00	180.00	170.00	234.00	199.00	184.00	174.00
02017500	10.30	7.50	7.00	10.90	8.60	7.80	7.20
02018000	41.60	29.90	27.50	43.30	34.50	30.90	28.40
02018500	3.70	2.00	1.60	3.90	2.60	2.10	1.70
02019000	11.90	5.10	3.80	12.40	7.30	5.20	3.90
02019500	369.00	266.00	242.00	378.00	304.00	271.00	247.00
02020500	4.50	1.00	.60	4.80	2.40	1.60	1.20
02021000	12.50	8.20	7.20	13.50	10.00	8.50	7.40
02021500	22.80	12.40	10.20	23.90	16.20	13.10	10.80
02022500	6.50	4.80	4.40	6.80	5.50	5.00	4.50
02023000	63.40	42.20	37.80	66.20	50.00	43.30	38.60
02023500	18.50	13.30	12.10	19.60	15.80	14.10	12.90
02024000	88.10	56.20	49.40	91.80	68.60	59.10	52.20
02024500	137.00	103.00	97.80	144.00	118.00	108.00	103.00
02444000	13.10	5.80	4.30	13.70	8.70	6.70	5.20
02444500	615.00	348.00	288.00	638.00	444.00	358.00	294.00
02445000	2.20	.80	.60	2.50	1.20	.80	.60
02445500	22.90	10.80	8.70	24.40	15.30	11.90	9.60
02446000	49.10	32.30	29.10	50.90	38.20	33.40	30.20
02446500	51.70	26.40	21.10	53.50	35.30	27.80	22.50
02447000	64.30	28.00	21.60	65.90	38.60	28.70	22.20
02448500	57.90	31.40	26.20	60.30	40.50	32.80	27.50
02450000	9.80	4.60	3.90	10.60	6.30	4.90	4.10
02450200	—	—	—	—	—	—	—
02450250	3.60	2.00	1.80	4.00	2.70	2.20	2.00
02450500	19.50	9.80	8.30	20.70	12.80	10.30	8.70
02451000	21.40	14.30	13.00	23.00	17.40	15.30	14.00
02453000	8.80	3.50	2.60	9.80	5.40	3.80	2.80
02453500	76.30	32.10	24.60	87.00	50.40	37.10	28.50
02454000	.40	.10	.00	.60	.20	.10	.10
02454200	.10	.10	.10	.20	.10	.10	.10
02455000	10.60	4.90	4.00	11.40	6.90	5.30	4.40
02455500	24.60	13.20	11.10	27.40	18.30	15.00	12.70
02456000	12.70	9.40	8.80	13.30	10.90	10.10	9.50
02456500	47.00	25.40	21.50	50.70	33.50	27.10	22.70
02460500	42.00	14.60	9.10	48.40	27.30	17.00	10.40
02462600	—	—	—	—	—	—	—
02462800	.80	.20	.10	.90	.40	.20	.20
02463500	5.70	2.70	2.20	6.10	3.80	3.00	2.40
02464000	7.10	2.60	1.90	7.80	4.30	3.10	2.40
02464500	21.00	12.10	10.10	22.90	16.00	13.00	10.80
02465500	2.60	1.10	.80	3.10	2.00	1.40	1.00
02466500	4.40	1.80	1.30	4.80	2.80	2.00	1.50
02467500	102.00	65.20	57.80	106.00	78.10	67.20	59.60
03008000	—	.04	.03	—	.11	.06	.00
03010500	—	30.00	25.00	—	37.00	31.00	26.00
03011800	—	4.70	3.80	—	6.10	4.90	3.90
03015000	—	70.00	61.00	100.00	86.00	72.00	62.00
03015280	—	.87	.72	—	1.15	.90	.73
03015500	—	31.00	28.00	46.70	36.00	32.00	29.00
03016000	—	300.00	265.00	—	360.00	320.00	285.00
03017500	—	15.50	13.50	25.00	19.00	16.50	14.50
03019000	—	20.00	16.50	—	28.00	22.00	18.00
03020500	—	28.00	25.50	—	33.00	30.00	27.00
03021500	—	8.80	7.20	17.50	12.00	9.70	8.00
03021700	—	.01	.01	—	.01	.01	.00
03022500	—	26.00	22.00	—	36.00	30.00	25.00
03023000	—	.27	.17	—	.59	.36	.00
03023500	—	66.00	55.00	123.00	86.00	70.00	59.00
03024000	—	61.00	53.00	95.60	74.00	63.00	54.00
03025000	—	16.00	15.00	22.80	19.00	17.00	15.50
03025200	—	.62	.56	—	.83	.72	.64
03026500	—	.16	.12	—	.29	.20	.15
03028000	—	6.10	5.30	—	7.50	6.20	5.40
03029000	—	25.00	22.00	—	31.00	27.00	24.00
03029400	—	.51	.42	—	.70	.58	.48
03029500	—	51.00	45.00	—	67.00	57.00	49.00
03031950	—	.39	.32	—	.59	.46	.37
03032500	—	31.00	27.00	47.90	37.00	32.00	28.00
03034000	—	16.00	14.50	21.90	19.00	17.00	15.00

Table 2I.— Low flow statistics-Eastern Coal Province-(continued)

MD, N - Low-flow characteristic; annual minimum "D" - day mean discharge,  
in cubic feet per second, for "N" - year recurrence interval

STATION NUMBER	Q3,2	Q3,10	Q3,20	Q7,2	Q7,5	Q7,10	Q7,20
03034500	—	1.30	0.97	2.94	2.05	1.50	1.15
03035000	—	12.00	9.00	—	17.00	13.50	10.50
03038000	—	4.80	4.00	9.48	6.70	5.40	4.60
03039200	—	.07	.05	—	.11	.07	.05
03040000	—	16.00	12.50	—	23.00	17.00	13.00
03041000	—	5.70	4.70	—	7.90	6.20	5.20
03042000	—	26.50	24.00	—	32.00	28.50	.00
03042200	—	.24	.20	—	.34	.27	.22
03043000	—	16.00	12.00	—	26.00	19.00	14.50
03045000	—	2.00	1.30	—	3.50	2.20	1.40
03045500	—	13.00	10.30	—	20.00	15.00	12.00
03049000	—	2.70	2.10	5.39	3.80	3.00	2.40
03049800	—	.01	.01	—	.02	.01	.01
03050000	7.20	1.30	.70	8.50	3.10	1.60	.90
03050500	9.20	1.10	.50	12.40	3.40	1.50	.70
03051500	4.70	.90	.50	6.30	2.30	1.20	.70
03052000	4.60	.70	.40	6.20	1.80	.90	.50
03052500	.30	.00	.00	.30	.10	.00	.00
03053500	13.40	2.50	1.40	15.90	5.60	2.90	1.50
03054500	42.90	9.90	6.30	51.20	19.80	11.70	7.50
03056500	83.60	15.80	7.50	94.00	36.40	17.40	8.20
03057500	.60	.00	.00	.80	.20	.10	.00
03058000	1.80	.30	.20	2.00	.60	.30	.20
03058500	2.40	.40	.20	3.00	1.10	.60	.40
03059000	5.30	.50	.20	6.70	1.60	.60	.30
03059500	1.90	.50	.30	2.40	1.00	.60	.40
03061000	36.30	12.50	8.90	40.60	21.20	14.70	10.70
03061500	2.30	.60	.40	2.80	1.20	.80	.50
03062400	.20	.00	.00	.10	.00	.00	.00
03062500	2.10	.80	.70	2.60	1.40	1.00	.80
03063600	.10	.00	.00	.20	.10	.10	.00
03065000	28.30	9.70	6.90	33.20	16.40	11.10	8.00
03066000	9.90	4.10	3.10	11.40	6.70	4.90	3.70
03069000	30.50	9.10	6.10	36.20	16.90	10.70	7.10
03069500	83.50	31.40	22.70	97.90	51.60	35.10	24.90
03069880	.25	.08	.06	.41	.19	.13	—
03070000	101.00	34.80	24.20	114.00	56.60	37.30	25.60
03070500	9.80	2.00	1.10	11.80	4.40	2.30	1.20
03071000	124.00	36.60	24.30	139.00	62.20	38.50	25.10
03071500	172.00	106.00	92.60	191.00	133.00	110.00	94.80
03072000	—	1.17	.90	2.71	1.75	1.35	1.05
03072590	—	.08	.05	—	.16	.11	.07
03073000	—	.27	.18	9.88	.47	.30	.20
03074500	—	8.30	6.70	15.90	11.00	8.44	6.87
03075500	13.30	5.00	3.70	15.00	7.90	5.50	3.90
03076600	6.20	2.60	1.90	6.90	4.00	2.90	2.20
03078000	3.90	1.00	.70	4.30	2.00	1.30	.90
03078500	.40	.10	.10	.50	.20	.10	.10
03079000	—	15.00	12.50	29.90	20.00	16.50	13.50
03080000	—	4.50	3.50	11.80	6.50	5.00	4.00
03082200	—	.05	.04	—	.10	.06	.04
03083000	—	.08	.07	—	.11	.09	.00
03084000	—	.01	.01	.13	.05	.02	.01
03084500	—	.46	.30	—	.90	.55	.35
03085500	—	22.00	19.00	41.80	29.00	25.20	21.50
03086100	—	.01	.01	—	.01	.01	.01
03086500	.00	.00	.00	5.40	3.00	2.30	1.80
03088000	—	—	—	2.51	—	1.69	1.47
03089500	.20	.00	.00	.20	.00	.00	.00
03090500	3.80	2.40	2.10	4.30	3.10	2.70	2.30
03092000	.10	.00	.00	.10	.00	.00	.00
03092090	1.40	.80	.70	1.50	1.00	.80	.70
03092500	6.30	4.30	3.90	6.70	5.30	4.70	4.30
03093000	8.40	5.30	4.70	9.60	7.20	6.20	5.50
03096000	.20	.00	.00	.30	.00	.00	.00
03098500	.40	.10	.10	.80	.30	.20	.10
03102950	1.20	.30	.20	1.20	.50	.30	.20
03103000	—	1.40	1.05	4.36	2.40	1.70	1.30
03104000	—	12.00	9.40	—	17.00	13.00	10.50
03104760	—	—	—	—	—	—	.00

Table 2I.— Low flow statistics—Eastern Coal Province—(continued)

MD, N - Low-flow characteristic; annual minimum "D" - day mean discharge,  
in cubic feet per second, for "N" - year recurrence interval

STATION NUMBER	Q3,2	Q3,10	Q3,20	Q7,2	Q7,5	Q7,10	Q7,20
03106000	—	9.40	8.10	16.90	12.50	10.50	9.10
03106300	—	.70	.53	—	1.10	.81	.61
03106500	—	28.00	25.00	44.40	36.00	31.00	27.00
03108000	—	6.40	5.60	11.00	8.90	7.60	6.60
03109000	0.15	.08	.07	.16	.10	.09	.08
03109500	31.20	17.70	15.20	32.60	22.40	18.70	16.30
03110000	4.70	1.60	1.20	5.30	2.70	1.90	1.30
03111150	—	.01	.01	—	.01	.01	.01
03111500	15.00	6.60	5.20	15.80	10.00	7.90	6.50
03112000	2.50	.40	.20	3.10	1.10	.60	.40
03113700	.10	.00	.00	.10	.10	.00	.00
03114000	.80	.00	.00	1.00	.10	.00	.00
03114500	3.40	.40	.20	4.00	1.00	.50	.20
03114650	.10	.00	.00	.10	.10	.00	.00
03115400	1.30	.10	.10	1.30	.40	.20	.10
03116000	48.00	32.50	28.60	49.60	39.40	34.60	30.90
03116200	9.00	5.00	4.30	9.30	6.60	5.60	5.00
03117000	90.00	67.40	62.00	93.80	77.90	70.70	65.30
03117500	26.80	15.70	13.70	27.50	19.60	16.80	14.80
03118000	3.30	1.00	.70	3.60	1.70	1.10	.80
03119000	87.40	63.40	56.80	92.80	75.90	67.10	59.90
03122500	194.00	140.00	128.00	215.00	175.00	156.00	141.00
03125000	.00	.00	.00	.00	.00	.00	.00
03130500	.24	.07	.05	.28	.17	.13	.10
03134000	3.70	2.20	2.00	4.00	2.90	2.50	2.20
03136000	114.00	78.80	70.60	119.00	94.20	82.80	74.10
03136500	23.40	14.90	13.20	24.10	17.90	15.50	13.90
03137000	60.00	40.70	36.60	61.60	47.90	42.20	38.10
03138500	176.00	123.00	112.00	182.00	144.00	128.00	117.00
03139000	45.90	28.60	25.40	47.00	34.10	29.30	26.00
03140000	.40	.10	.00	.40	.20	.10	.10
03142200	.00	.00	.00	.00	.00	.00	.00
03144000	7.70	3.60	2.90	8.20	5.00	3.80	3.10
03146000	3.80	1.70	1.30	4.30	2.80	2.10	1.60
03146500	59.30	40.10	35.90	60.00	46.90	41.20	37.10
03147000	69.90	49.40	44.90	72.10	57.40	51.20	46.70
03147500	79.20	42.60	33.30	81.70	56.80	44.20	34.80
03149500	.60	.00	.00	.70	.10	.00	.00
03151500	3.20	.20	.10	3.60	1.00	.50	.20
03152000	7.30	.90	.40	8.80	2.60	1.20	.60
03152200	.00	.00	.00	.00	.00	.00	.00
03152500	1.00	.20	.10	1.60	.50	.20	.10
03153000	.90	.20	.10	1.00	.30	.10	.10
03153500	14.60	1.00	.40	16.80	3.60	1.30	.50
03154000	1.30	.10	.10	1.40	.40	.20	.10
03154250	.00	.00	.00	.00	.00	.00	.00
03154500	.30	.10	.00	.40	.10	.10	.10
03155000	31.50	3.70	1.70	35.00	9.30	4.10	2.00
03155200	1.30	.10	.00	1.60	.30	.10	.00
03155500	4.30	.60	.30	5.00	1.50	.70	.40
03157000	12.90	7.90	6.90	12.80	9.80	8.50	7.60
03157500	44.10	28.40	25.60	47.30	34.80	30.20	27.10
03159500	68.60	37.20	30.70	72.90	50.10	40.90	34.40
03159540	3.00	.90	.50	3.60	1.60	1.00	.60
03177000	2.40	1.60	1.50	2.70	2.10	1.90	1.70
03177500	5.40	2.30	1.80	6.40	3.90	3.00	2.50
03178000	16.40	7.70	5.80	17.00	10.60	7.90	6.00
03178500	.30	.10	.10	.40	.10	.10	.00
03179000	22.20	11.70	9.70	24.00	15.80	12.80	10.80
03179500	16.70	6.10	4.30	18.80	10.90	7.90	6.00
03180000	1,270.00	800.00	705.00	1,380.00	1,030.00	876.00	768.00
03180500	8.00	1.80	1.00	9.40	3.80	2.10	1.30
03181200	.10	.00	.00	.10	.10	.00	.00
03181500	27.10	14.80	11.90	31.70	20.20	15.30	11.90
03182000	9.30	3.80	2.80	10.00	5.80	4.10	3.00
03182500	29.20	12.20	9.30	32.40	18.40	13.50	10.30
03183000	4.30	3.00	2.80	4.80	3.70	3.30	3.00
03183500	95.80	50.40	42.30	102.00	65.90	53.30	45.00
03184000	96.90	50.50	41.90	102.00	66.40	53.10	44.30
03184200	.00	.00	.00	.00	.00	.00	.00

Table 2I.-- Low flow statistics-Eastern Coal Province-(continued)

MD, N - Low-flow characteristic; annual minimum "D" - day mean discharge,  
in cubic feet per second, for "N" - year recurrence interval

STATION NUMBER	Q3,2	Q3,10	Q3,20	Q7,2	Q7,5	Q7,10	Q7,20
03185000	2.00	0.60	0.40	2.20	1.00	0.60	0.40
03185500	1,430.00	944.00	836.00	1,550.00	1,180.00	1,020.00	902.00
03186000	1,790.00	1,510.00	1,470.00	1,890.00	1,640.00	1,540.00	1,480.00
03186500	7.70	1.90	1.20	9.10	3.70	2.20	1.40
03187000	16.60	3.40	1.90	19.50	7.30	3.90	2.20
03187500	6.50	1.80	1.20	7.70	3.20	1.90	1.20
03189000	5.70	1.10	.70	7.00	2.50	1.40	.80
03189100	48.80	21.80	17.00	57.30	33.20	24.30	18.50
03189500	40.90	6.40	3.30	48.50	15.00	7.20	3.70
03189650	.00	.00	.00	.10	.00	.00	.00
03190000	11.50	2.50	1.40	12.80	5.30	3.10	1.80
03190400	29.40	18.10	15.10	31.40	23.00	19.00	16.00
03191500	1.20	.10	.10	1.50	.40	.20	.10
03192000	65.30	13.10	7.70	72.40	25.70	14.00	8.20
03193830	.00	.00	.00	.00	.00	.00	.00
03194000	14.40	6.60	5.30	16.60	9.90	7.60	6.00
03194700	28.90	11.60	8.60	32.80	18.00	12.70	9.40
03195000	17.80	4.10	2.60	20.40	7.70	4.50	2.90
03195600	.20	.10	.00	.20	.10	.10	.00
03197000	43.20	4.70	2.10	46.90	13.10	6.00	2.90
03198450	.30	.00	.00	.30	.10	.10	.10
03198500	13.20	3.80	2.50	15.10	7.10	4.60	3.10
03199000	8.70	1.80	1.00	9.90	3.70	2.10	1.30
03200500	74.40	9.50	4.60	86.20	24.10	10.80	5.10
03201000	.90	.10	.00	1.00	.20	.10	.00
03201410	.20	.10	.00	.20	.10	.10	.00
03202000	12.70	3.00	1.90	14.30	5.90	3.50	2.20
03202400	50.50	27.90	23.50	55.90	37.20	29.90	24.80
03203000	35.50	12.80	8.90	38.90	20.80	14.10	9.90
03203600	71.70	40.70	35.20	76.50	52.40	43.60	37.70
03204000	72.00	24.00	15.90	75.40	39.90	26.80	18.60
03204500	1.30	.10	.10	1.60	.40	.20	.10
03206500	—	—	—	—	—	—	—
03206600	.30	.00	.00	.50	.10	.00	.00
03207000	2.00	.20	.10	2.60	.60	.30	.10
03207020	5.20	1.40	.80	5.90	2.90	1.70	1.00
03207500	5.70	1.00	.60	6.70	2.40	1.30	.70
03207800	18.30	7.30	5.60	20.10	11.00	7.90	6.00
03208000	7.90	1.00	.50	8.70	2.70	1.30	.70
03208500	5.40	1.10	.60	6.10	2.20	1.30	.80
03208950	3.30	1.40	1.10	3.90	2.30	1.70	1.30
03209000	6.10	.80	.40	7.20	1.90	.80	.40
03209500	24.90	5.10	3.00	28.10	10.40	5.80	3.40
03210000	.52	.20	.10	.60	.20	.10	.00
03211500	1.30	.30	.20	1.70	.60	.40	.20
03212000	1.32	.25	.09	1.63	.67	.35	.15
03212500	49.20	18.00	13.50	53.50	27.10	19.00	14.20
03213000	45.40	25.90	22.30	48.80	33.20	27.40	23.50
03213500	.60	.10	.10	.70	.30	.10	.10
03213700	111.00	64.50	55.70	118.00	81.70	67.80	58.20
03214000	76.90	37.10	30.30	81.60	50.10	38.90	31.70
03215000	148.00	71.20	58.60	160.00	97.60	76.20	62.40
03215500	2.30	.40	.20	2.70	1.00	.50	.30
03216500	6.20	2.50	1.90	7.20	3.90	2.90	2.20
03216800	.46	.04	.01	.69	.19	.08	.02
03217000	3.35	.19	.30	4.15	1.20	.55	.21
03231000	7.90	1.90	1.10	8.20	3.60	2.10	1.30
03231500	299.00	199.00	179.00	312.00	235.00	204.00	182.00
03232000	1.80	.20	.10	2.20	.60	.30	.10
03232500	6.00	1.30	.90	7.40	2.80	1.60	1.00
03234000	27.00	11.40	8.80	28.50	16.30	12.10	9.40
03234500	430.00	288.00	258.00	446.00	339.00	296.00	266.00
03235000	.00	.00	.00	.00	.00	.00	.00
03235500	.00	.00	.00	.00	.00	.00	.00
03237280	.10	.00	.00	.10	.00	.00	.00
03237500	2.00	.20	.10	2.40	.60	.30	.10
03238500	.70	.10	.00	.90	.20	.00	.00
03239000	—	—	—	—	—	—	—
03239500	—	—	—	—	—	—	—
03240000	13.70	7.70	6.70	14.50	9.80	8.10	7.00



Table 2I.— Low flow statistics—Eastern Coal Province—(continued)

MD, N - Low-flow characteristic; annual minimum "D" - day mean discharge,  
in cubic feet per second, for "N" - year recurrence interval

STATION NUMBER	Q3,2	Q3,10	Q3,20	Q7,2	Q7,5	Q7,10	Q7,20
03240500	0.80	0.00	0.00	1.00	0.10	0.00	0.00
03241000	.20	.00	.00	.20	.00	.00	.00
03241500	3.50	1.10	.70	3.80	1.80	1.10	.80
03242050	60.70	32.90	27.40	62.40	42.20	34.20	28.80
03242150	1.60	.60	.50	1.90	1.00	.70	.50
03242200	1.30	.30	.20	1.60	.60	.40	.30
03242300	2.30	.20	.00	2.70	.60	.20	.00
03242500	65.30	36.70	31.30	67.50	46.20	38.20	32.70
03244000	1.10	.10	.00	1.30	.40	.20	.00
03245500	82.70	44.50	37.80	86.80	58.00	47.80	41.10
03246200	2.60	.90	.70	3.20	1.50	1.00	.70
03246500	.70	.00	.00	.80	.00	.00	.00
03247500	3.20	.80	.60	3.90	1.60	1.00	.70
03248500	1.52	.05	.20	2.05	.49	.14	.30
03249500	17.30	3.70	2.20	19.10	7.20	4.10	2.50
03250000	.39	.10	.00	.60	.20	.10	.00
03250100	.50	.40	.10	.60	.10	.10	.00
03255500	5.40	3.10	2.60	7.10	5.00	4.00	3.30
03258000	—	—	—	—	—	—	—
03277400	1.20	.50	.30	1.30	.90	.70	.60
03277500	7.00	1.70	1.10	8.80	3.60	2.20	1.40
03278000	.00	.00	.00	.02	.00	.00	.00
03278500	1.59	.30	.20	2.35	.38	.11	.01
03280000	21.30	2.50	1.20	24.80	7.10	3.20	1.50
03280600	2.35	.28	.20	3.25	1.00	.40	.30
03280700	.71	.10	.10	1.00	.20	.10	.00
03281000	5.10	.50	.20	6.10	1.50	.60	.30
03281100	2.40	.70	.50	3.10	1.80	1.30	1.00
03281500	8.50	.90	.40	10.70	2.70	1.10	.50
03282000	86.00	19.10	11.50	97.30	37.50	21.00	12.40
03282500	.46	.20	.10	.50	.04	.00	.00
03283000	.08	.10	.00	.09	.10	.10	.00
03283500	11.10	3.10	2.10	12.10	5.60	3.70	2.60
03285000	.31	.10	.00	.44	.05	.10	.00
03304500	—	—	—	.02	.02	.01	.01
03305000	.10	.00	.00	.01	.00	.00	.00
03305500	.00	—	—	.00	—	—	—
03400500	8.20	4.00	3.20	9.00	5.70	4.40	3.50
03400800	3.90	1.20	.90	4.40	2.30	1.60	1.30
03401000	25.20	10.00	7.70	28.80	15.80	11.50	8.80
03402000	4.40	2.20	1.80	4.80	3.10	2.40	1.90
03403000	39.90	12.00	8.20	44.60	21.10	13.80	9.60
03403500	51.10	12.00	7.10	55.50	24.00	14.50	9.10
03403910	20.30	8.20	6.20	23.90	14.20	10.70	8.40
03404000	74.90	19.20	11.90	82.10	35.50	21.20	13.30
03404500	71.90	18.70	12.00	78.50	34.10	21.10	13.90
03404900	1.10	.60	.50	1.50	1.00	.70	.60
03405000	1.80	.40	.20	1.80	.90	.60	.40
03406000	.40	.20	.20	.40	.30	.30	.20
03406500	10.70	2.70	1.80	11.90	5.20	3.30	2.20
03407000	18.90	3.20	1.50	21.40	8.20	3.90	1.90
03407100	.00	.00	.00	.04	.02	.01	.00
03407300	.10	.10	.10	.10	.10	.10	.10
03407500	.25	.10	.00	.36	.20	.10	.00
03408000	2.40	.40	.30	2.80	1.20	.80	.60
03408500	4.10	.40	.20	5.00	1.20	.50	.20
03409500	4.70	1.20	.80	5.10	2.30	1.50	1.00
03410500	41.70	19.00	15.30	47.30	27.90	21.10	16.80
03411000	52.10	21.60	16.60	55.80	31.60	23.40	18.20
03411500	—	—	—	184.00	—	—	69.00
03412500	.32	.03	.00	.38	.11	.04	.00
03413200	2.10	1.30	1.10	2.30	1.80	1.50	1.30
03414000	—	—	—	468.00	—	—	54.00
03414500	9.00	4.70	4.00	9.60	6.20	5.00	4.20
03415000	4.30	2.90	2.70	4.50	3.40	3.10	2.90
03415500	21.40	12.10	10.30	23.60	16.50	13.70	11.80
03416000	8.10	4.30	3.50	8.60	6.10	5.20	4.50
03418000	6.20	3.80	3.30	6.70	4.70	3.90	3.40
03418500	.40	.00	.00	.40	.10	.00	.00
03420000	25.50	16.00	14.20	26.60	19.70	17.20	15.40

Table 2I.-- Low flow statistics-Eastern Coal Province-(continued)

MD, N - Low-flow characteristic; annual minimum "D" - day mean discharge,  
in cubic feet per second, for "N" - year recurrence interval

STATION NUMBER	Q3,2	Q3,10	Q3,20	Q7,2	Q7,5	Q7,10	Q7,20
03420500	45.30	36.70	34.40	45.70	39.90	37.10	34.80
03421000	87.90	56.70	49.50	92.00	72.20	63.60	57.20
03423000	4.30	2.40	2.10	4.70	3.20	2.60	2.30
03467000	17.80	11.90	10.50	18.80	14.60	12.60	11.20
03471500	24.60	17.80	16.30	25.60	21.00	19.00	17.70
03472500	9.10	4.30	3.30	9.50	6.10	4.70	3.60
03473000	94.00	70.00	64.60	98.00	80.20	72.40	66.60
03473500	3.20	2.70	2.60	3.30	2.90	2.70	2.70
03474000	33.00	25.30	23.60	34.40	28.90	26.60	24.90
03474500	37.90	22.00	18.60	40.40	29.50	25.00	21.90
03475000	47.60	29.40	25.00	53.60	44.30	40.20	37.20
03477500	4.40	3.10	2.90	4.50	3.50	3.20	3.00
03478400	10.40	8.10	7.60	10.80	9.10	8.30	7.80
03487550	6.50	4.70	4.30	6.90	5.40	4.80	4.40
03488000	32.50	22.10	20.00	34.00	26.80	23.90	21.80
03489500	76.10	44.30	37.80	80.80	55.70	45.80	38.90
03490000	86.50	55.80	49.50	90.90	67.90	58.50	51.80
03491000	4.30	2.60	2.20	4.60	3.30	2.80	2.40
03496000	3.00	2.40	2.20	3.10	2.70	2.50	2.30
03521500	22.00	14.30	12.70	23.70	18.00	15.60	13.90
03524000	75.30	50.80	45.80	80.00	61.00	53.30	47.80
03524500	3.80	1.60	1.30	4.20	2.30	1.80	1.40
03526000	23.90	17.30	15.90	24.50	20.00	18.00	16.70
03527000	145.00	95.90	86.40	152.00	114.00	99.00	88.80
03528000	206.00	135.00	120.00	213.00	160.00	139.00	124.00
03528300	2.60	1.90	1.80	2.70	2.20	2.10	2.00
03528400	.70	.60	.50	.80	.60	.60	.60
03529500	12.40	6.20	5.10	12.70	8.40	6.70	5.50
03531000	24.50	12.50	10.60	27.70	17.20	13.80	11.60
03531500	37.80	22.60	19.70	39.60	27.70	23.10	20.00
03532000	111.00	78.80	72.90	114.00	89.80	81.00	75.20
03533000	485.00	268.00	226.00	514.00	353.00	290.00	246.00
03535000	6.90	4.70	4.40	7.30	5.70	5.10	4.80
03537000	3.40	2.80	2.60	3.70	3.30	3.10	2.90
03538225	8.10	5.60	5.20	8.50	6.60	5.90	5.50
03538250	18.60	16.10	15.50	19.30	17.60	16.70	15.90
03538500	.60	.10	.10	.70	.20	.10	.10
03539500	.30	.00	.00	.40	.10	.00	.00
03539600	1.60	.40	.30	1.80	.80	.50	.30
03539800	7.30	1.60	1.00	8.40	3.30	1.80	1.10
03540500	6.90	.90	.40	7.20	1.70	.70	.30
03541500	.40	.10	.10	.50	.20	.10	.10
03543500	20.00	14.10	12.90	20.60	16.40	14.60	13.20
03544500	.10	.00	.00	.20	.10	.00	.00
03565500	22.20	18.40	17.80	22.70	19.70	18.60	17.90
03566420	3.30	2.50	2.30	3.50	2.90	2.60	2.40
03567500	113.00	85.90	79.40	115.00	96.80	88.30	81.80
03571000	50.50	30.60	26.60	52.50	38.00	32.20	28.10
03572900	.70	.20	.10	.90	.30	.10	.10
03574500	13.80	5.50	3.90	14.60	8.30	5.90	4.30
03575000	83.40	66.70	62.50	85.40	73.50	68.00	63.90
03576148	1.30	.30	.20	1.60	.60	.40	.20
03576250	14.40	10.10	9.30	14.80	11.90	10.80	10.00
03576400	2.30	1.00	.80	2.40	1.40	1.20	1.00
03576500	.60	.10	.10	.80	.20	.10	.00
03578000	3.20	1.40	1.10	3.40	1.90	1.40	1.10
03579100	50.90	28.50	22.70	52.40	38.80	32.10	26.90
03582000	169.00	143.00	139.00	172.00	152.00	145.00	141.00
03584000	25.30	14.70	13.10	27.20	18.50	15.60	13.70
03584500	234.00	149.00	131.00	244.00	182.00	156.00	137.00
03585300	26.80	22.90	22.60	27.80	24.70	24.00	23.70
03586500	2.10	.70	.50	2.40	1.10	.80	.60
03589250	4.20	2.30	1.80	4.60	3.10	2.50	2.00
03590000	60.80	50.40	49.00	62.80	54.70	52.20	50.80
03591800	11.00	7.20	6.50	12.10	8.80	7.60	6.80
03592000	29.00	17.00	14.40	32.40	24.90	21.70	19.50
03592200	9.30	4.20	3.30	10.80	7.40	6.30	5.60
03592300	8.70	5.10	4.50	9.60	6.90	5.90	5.30
03592500	60.60	27.80	21.70	65.00	39.80	30.20	23.80

Nonlinear relationships between hydrologic variables have frequently been found to be linear if the variables are transformed to logarithms. The general form of a log-transform relation is

$$\text{Log } Y = \log a + b_1 \log X_1 + b_2 \log X_2 + \dots + b_n \log X_n \quad (2)$$

An equivalent form of equation (2) is

$$Y = aX_1^{b_1} X_2^{b_2} \dots X_n^{b_n} \quad (3)$$

Because the logarithm of zero is undefined, a constant of 1.0 is added to the two independent variables that could feasibly be zero, forest cover (FOREST) and basin storage (STORAGE).

#### Selection of Independent Variables

As a preliminary step in regionalization, the transformed station values were grouped on the basis of the two coal provinces. Several trial and error regressions had to be computed for each streamflow characteristic to derive the best equations. To improve the linear fit of the equations, a constant of 30.0 was subtracted from the precipitation (PRECIP) values before they were transformed.

The final selection of a set of independent variables to form each regression equation was based on the following considerations:

- (1) Each independent variable must be significant at the 95-percent confidence level.
- (2) The combination of independent variables should have the lowest standard error of estimate as compared to other combinations.
- (3) Combinations of cross-correlating independent variables should be kept to a minimum.

The regression equations were not accepted solely on the basis of statistical tests. The independent variables and regression coefficients of each equation were judged from the standpoint of knowledge of the streamflow processes. The sign of the regression coefficient indicates a direct (positive) or inverse (negative) effect on the dependent variable. If the sign of the regression coefficient was contrary to the basic understanding of the process involved, that independent variable was not used in the final regression equation.

## Regional Regression Analysis

The residuals (differences between the streamflow characteristic values and the corresponding values computed from the regression equations) were used to determine the fit of each station within its respective group. In general, the residuals within each group were randomly distributed. The magnitudes and areal patterns of the residuals were used to attempt to regionalize or regroup the stations. The regression results did not show any improvement over the original equations.

The residuals for the two areas were correlated with drainage area in order to identify any possible subgroups based on drainage-area size. Again, there was no appreciable decrease in the standard errors for any of the possible subgroups.

The regression relations for both provinces are listed in tables 3A through 3H. In general, these tables show several relations for each flow characteristic. The first line shows the most accurate relation using only one independent variable, and succeeding lines indicate a more complex equation of increasing accuracy. The last line for each streamflow characteristic shows the most accurate relation containing only variables significant at the 95-percent confidence level.

Two additional variables were developed in an attempt to explain the variability of low flows. These variables were ratios of the 50- to 90-percent observed flow durations and the 25- to 75-percent observed flow durations. Regression analyses were performed using these additional variables to improve the standard errors. In the Interior Coal Province, these variables were not significant at the 95-percent confidence level. The most accurate equations had standard errors greater than 0.7500 log units and have not been included in the report.

In the Eastern Coal Province, the 50- to 90-percent duration ratio (RATIO) was significant at the 95-percent confidence level. Table 3I lists these relations for the low flows. The first three lines show equations of increasing accuracy as the number of independent variables increase. The standard errors for the most accurate relations using three variables ranged from 0.1899 to 0.2967 log units. The fourth line shows the most accurate relation before the development of the flow duration ratios. These standard errors ranged from 0.4761 to 0.6908 log units.

Observed flow duration values may not always be available. Relations were also developed using a 50- to 90-percent duration ratio (CALCRATIO) calculated from the most accurate relations in table 3E. The last line for each low-flow characteristic in table 3I shows these relations. The standard errors ranged from 0.4767 to 0.6934 log units and did not show significant improvement as compared to the best relation available not using duration ratios.



Table 3B.--Summary of regression equations for peak flows of Interior Coal Province

$$Y = a \text{ Area}^{b_1} \text{ Slope}^{b_2} \text{ Precip}^{b_3}$$

Dependent variable Y	Regression constant a	Regression coefficients for independent variables			r <sup>2</sup>	Standard error (in log <sub>10</sub> units)	Standard error (in percent plus/minus)
		b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>			
P2	174	0.597			0.798	0.2289	69.4 / 41.0
	19.7	.839	0.610		.864	.1886	54.4 / 35.2
	6.17	.821	.581	0.604	.921	.1436	39.2 / 28.2
P5	278	.599			.814	.2181	65.2 / 39.5
	35.8	.827	.575		.873	.1807	51.6 / 34.0
	13.9	.812	.551	.489	.912	.1514	41.7 / 29.4
P10	348	.599			.812	.2192	65.7 / 39.6
	47.1	.822	.561		.869	.1839	52.7 / 34.5
	20.2	.808	.540	.441	.900	.1611	44.9 / 31.0
P25	438	.599			.805	.2258	68.2 / 40.5
	57.4	.825	.570		.861	.1914	55.4 / 35.6
	27.1	.813	.550	.394	.886	.1743	49.4 / 33.1
P50	504	.600			.798	.2311	70.3 / 41.3
	67.1	.824	.566		.853	.1982	57.8 / 36.6
	33.1	.812	.547	.369	.874	.1839	52.7 / 34.5
P100	570	.600			.790	.2369	72.5 / 42.0
	76.5	.823	.563		.843	.2054	60.5 / 37.7
	39.3	.812	.545	.349	.862	.1933	56.1 / 35.9

Table 3A.--Summary of regression equations for peak flows of Eastern Coal Province

$$Y = a \text{ Area}^{b_1} \text{ Precip}^{b_2} \text{ Slope}^{b_3}$$

Dependent variable Y	Regression constant a	Regression coefficients for independent variables			r <sup>2</sup>	Standard error (in log <sub>10</sub> units)	Standard error (in percent plus/minus)
		b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>			
P2	96.6	0.780			0.890	0.1986	58.0 / 36.7
	25.4	.773	0.526		.913	.1766	50.2 / 33.4
	16.0	.811	.532	0.092	.915	.1742	49.4 / 33.0
P5	166	.759			.885	.1976	57.6 / 36.6
	51.5	.753	.460		.904	.1809	51.7 / 34.1
	28.9	.801	.469	.116	.908	.1769	50.3 / 33.5
P10	223	.748			.879	.2008	58.8 / 37.0
	76.0	.742	.423		.894	.1872	53.9 / 35.0
	39.1	.797	.433	.133	.900	.1820	52.0 / 34.2
P25	307	.735			.867	.2080	61.4 / 38.1
	118	.730	.377		.880	.1976	57.6 / 36.6
	53.8	.795	.389	.156	.888	.1908	55.2 / 35.6
P50	379	.727			.856	.2150	64.1 / 39.1
	157	.722	.345		.867	.2067	61.0 / 37.9
	66.0	.794	.358	.174	.878	.1986	58.0 / 36.7
P100	459	.719			.844	.2231	67.2 / 40.2
	189	.796		.185	.856	.2147	64.0 / 39.0
	79.2	.794	.329	.192	.866	.2072	61.1 / 37.9

Table 3C.—Summary of regression equations for mean monthly and annual flows of Eastern Coal Province

$$Y = a \text{ Area}^{b_1} \text{ Precip}^{b_2} \text{ Elev}^{b_3}$$

Dependent variable Y	Regression constant a*	Regression coefficients for independent variables			r <sup>2</sup>	Standard error (in log <sub>10</sub> units)	Standard error (in percent plus/minus)
		b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>			
QA	1.40	1.00			0.971	0.1227	32.6 / 24.6
	.378	.993	0.513		.986	.0845	21.5 / 17.7
	8.22 (-2)	.991	.534	0.204	.990	.0736	18.5 / 15.6
Q10	.425	.995			.868	.2766	89.1 / 47.1
	3.36 (-3)	.990		.671	.901	.2406	74.0 / 42.5
Q11	.879	.986			.924	.2019	59.2 / 37.2
	.236	.979	.517		.939	.1812	51.8 / 34.1
	1.11 (-2)	.975	.556	.410	.952	.1610	44.9 / 31.0
Q12	1.79	.976			.941	.1749	49.6 / 33.2
	.318	.966	.679		.967	.1296	34.8 / 25.8
	4.15 (-2)	.964	.705	.273	.973	.1172	31.0 / 23.7
Q1	1.91	1.02			.951	.1651	46.3 / 31.6
	.268	1.01	.772		.983	.0970	25.0 / 20.0
	.104	1.01	.784	.128	.984	.0936	24.0 / 19.4
Q2	2.38	1.01			.960	.1475	40.4 / 28.8
	.380	.996	.722		.989	.0784	19.8 / 16.5
	.215	.995	.729	.076	.989	.0769	19.4 / 16.2
Q3	2.93	1.01			.970	.1265	33.8 / 25.3
	.788	.999	.516		.985	.0897	22.9 / 18.7
	.285	.997	.529	.137	.986	.0854	21.7 / 17.9
Q4	2.43	.991			.972	.1203	31.9 / 24.2
	.797	.986	.437		.983	.0935	24.0 / 19.4
	.318	.984	.450	.123	.984	.0902	23.1 / 18.8
Q5	1.45	1.01			.968	.1307	35.1 / 26.0
	.150	1.00	.315		.976	.1139	30.0 / 23.1
	6.66 (-2)	1.00	.264	.334	.980	.1040	27.1 / 21.3
Q6	.764	1.02			.955	.1580	43.9 / 30.5
	4.08 (-2)	1.01		.407	.967	.1344	36.3 / 26.6
	2.76 (-2)	1.01	.126	.417	.968	.1327	35.7 / 26.3
Q7	.506	1.03			.951	.1677	47.1 / 32.0
	.139	1.02	.505		.964	.1431	39.0 / 28.1
	3.18 (-2)	1.02	.526	.198	.967	.1374	37.2 / 27.1
Q8	.358	1.05			.938	.1928	55.9 / 35.9
	1.95 (-2)	1.04	.404		.949	.1743	49.4 / 33.1
	5.95 (-3)	1.04	.386	.433	.957	.1612	44.9 / 31.0
Q9	.359	1.00			.912	.2227	67.0 / 40.1
	5.08 (-2)	.997		.272	.917	.2158	64.4 / 39.2
	1.99 (-2)	.993	.304	.294	.922	.2096	62.0 / 38.3

\*Number in ( ) is power of 10 by which value must be multiplied

Table 3D.—Summary of regression equations for mean monthly and annual flows of Interior Coal Province

$$Y = a \text{ Area}^{b_1} \text{ Precip}^{b_2} \text{ Elev}^{b_3}$$

Dependent variable Y	Regression constant a*	Regression coefficients for independent variables			r <sup>2</sup>	Standard error (in log <sub>10</sub> units)	Standard error (in percent plus/minus)
		b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>			
QA	0.853	1.00			0.962	0.1515	41.7 / 29.5
	.228	.997	0.628		.989	.0821	20.8 / 17.2
	6.33 (-3)	.990	.682	0.538	.991	.0739	18.6 / 15.7
Q10	.203	1.01			.915	.2345	71.6 / 41.7
	3.04 (-4)	1.00		1.01	.923	.2243	67.6 / 40.3
Q11	.429	.996			.918	.2257	68.2 / 40.5
	7.55 (-2)	.988	.826		.964	.1515	41.7 / 29.5
	9.15 (-4)	.980	.893	.663	.967	.1453	39.7 / 28.4
Q12	.835	.980			.862	.2975	98.4 / 49.6
	5.61 (-2)	.966	1.29		.968	.1435	39.2 / 28.1
	1.77 (-3)	.960	1.34	.519	.970	.1397	37.9 / 27.5
Q1	.941	1.03			.917	.2364	72.4 / 42.0
	.110	1.02	1.02		.981	.1138	30.0 / 23.1
	3.46 (-3)	1.01	1.07	.520	.983	.1087	28.4 / 22.1
Q2	1.18	1.02			.931	.2115	62.7 / 38.6
	.183	1.01	.887		.981	.1112	29.2 / 22.6
	4.91 (-3)	1.01	.942	.543	.983	.1053	27.4 / 21.5
Q3	1.59	.998			.928	.2109	62.5 / 38.5
	.234	.988	.910		.983	.1022	26.5 / 21.0
	2.17 (-2)	.984	.945	.358	.984	.0997	25.8 / 20.5
Q4	1.57	1.01			.971	.1327	35.7 / 26.3
	.539	1.00	.507		.989	.0835	21.2 / 17.5
	3.77 (-2)	.995	.547	.400	.990	.0793	20.0 / 16.7
Q5	1.03	1.02			.982	.1038	27.0 / 21.3
	.541	1.02	.308		.989	.0833	21.1 / 17.5
	6.45 (-2)	1.01	.340	.320	.990	.0807	20.4 / 17.0
Q6	.779	1.02			.973	.1287	34.5 / 25.7
	6.60 (-4)	1.00		1.10	.983	.1034	26.9 / 21.2
Q7	.533	.997			.958	.1585	44.1 / 30.6
	1.19 (-2)	.991		.590	.961	.1536	42.4 / 29.8
	4.44 (-3)	.988	1.31	.700	.962	.1520	41.9 / 29.5
Q8	.271	1.01			.935	.2020	59.2 / 37.2
	.128	1.01	.357		.943	.1893	54.6 / 35.3
	1.93 (-3)	.998	.420	.630	.946	.1851	53.1 / 34.7
Q9	.210	1.01			.876	.2887	94.4 / 48.6
	.106	1.00	.324		.882	.2821	91.5 / 47.8
	4.39 (-5)	.989	.441	1.17	.897	.2718	87.0 / 46.5

\*Number in ( ) is power of 10 by which value must be multiplied.



Table 3E.—Summary of regression equations for flow durations of Eastern Coal Province

$$Y = a \text{ Area}^{b_1} \text{ Elev}^{b_2} \text{ Precip}^{b_3} \text{ Storage}^{b_4}$$

Dependent variable Y	Regression constant a*	Regression coefficients for independent variables				r <sup>2</sup>	Standard error (in log <sub>10</sub> units)	Standard error (in percent plus/minus)
		b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>			
D95	3.10 (-2)	1.11				0.689	0.5152	227.5 / 69.5
	4.82 (-4)	1.11	0.576			.705	.5020	217.7 / 68.5
	1.56 (-4)	1.12	.685		0.718	.724	.4856	205.9 / 67.3
D90	4.57 (-2)	1.12				.773	.4263	166.9 / 62.5
	6.36 (-4)	1.11	.592			.792	.4091	156.5 / 61.0
	2.56 (-4)	1.12	.682		.609	.807	.3946	148.1 / 59.7
D75	.125	1.08				.869	.3018	100.4 / 50.1
	1.62 (-3)	1.08	.606			.891	.2755	88.6 / 47.0
	5.84 (-4)	1.07	.630	0.330		.896	.2699	86.2 / 46.3
D70	.174	1.07				.889	.2703	86.3 / 46.3
	2.55 (-3)	1.06	.587			.911	.2424	74.7 / 42.8
	7.80 (-4)	1.05	.615	.384		.918	.2334	71.2 / 41.6
D50	.468	1.04				.934	.1990	58.1 / 36.8
	1.35 (-2)	1.03	.494			.951	.1717	48.5 / 32.7
	2.68 (-3)	1.03	.532	.526		.965	.1459	39.9 / 28.5
D25	1.42	1.01				.955	.1586	44.1 / 30.6
	.359	1.00		.540		.971	.1283	34.4 / 25.6
	3.35 (-2)	.998	.319	.572		.978	.1107	29.0 / 22.5
D10	3.21	1.00				.964	.1394	37.9 / 27.5
	.800	.994		.544		.981	.1029	26.7 / 21.1
	.201	.992	.186	.562		.983	.0957	24.7 / 19.8

\*Number in ( ) is power of 10 by which value must be multiplied

Table 3F.—Summary of regression equations for flow durations of Interior Coal Province

$$Y = a \text{ Area}^{b_1} \text{ Elev}^{b_2} \text{ Precip}^{b_3}$$

Dependent variable Y	Regression constant a*	Regression coefficients for independent variables			r <sup>2</sup>	Standard error (in log <sub>10</sub> units)	Standard error (in percent plus/minus)
		b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>			
D95	9.86 (-3)	1.08			0.541	0.6569	354.8 / 78.0
	6.48 (-16)	1.08	4.66		.638	.5864	285.8 / 74.1
	4.73 (-19)	1.06	5.41	1.12	.694	.5417	248.1 / 71.3
D90	9.84 (-3)	1.15			.628	.5897	288.8 / 74.3
	2.36 (-13)	1.13	3.77		.695	.5362	243.7 / 70.9
	1.47 (-16)	1.12	4.59	.973	.738	.4996	215.9 / 68.4
D75	2.45 (-2)	1.15			.771	.4392	174.9 / 63.6
	1.99 (-10)	1.14	2.87		.817	.3942	147.9 / 59.7
	4.57 (-13)	1.13	3.54	.837	.849	.3592	128.7 / 56.3
D70	2.88 (-2)	1.18			.782	.4402	175.6 / 63.7
	5.06 (-10)	1.16	2.75		.822	.3991	150.7 / 60.1
	1.59 (-12)	1.15	3.39	.778	.848	.3701	134.5 / 57.4
D50	.135	1.10			.893	.2849	92.7 / 48.1
	1.48 (-7)	1.09	2.12		.920	.2464	76.4 / 43.3
	2.20 (-9)	1.08	2.59	.577	.937	.2198	65.9 / 39.7
D25	.489	1.08			.944	.2008	58.8 / 37.0
	.194	1.08		.440	.955	.1804	51.5 / 34.0
	1.60 (-5)	1.06	1.41	.581	.968	.1538	42.5 / 29.8
D10	1.47	1.06			.959	.1665	46.7 / 31.8
	.413	1.05		.603	.981	.1133	29.8 / 23.0
	1.27 (-2)	1.05	.523	.656	.983	.1080	28.2 / 22.0

\*Number in ( ) is power of 10 by which value must be multiplied

Table 3G.--Summary of regression equations for flow volumes of Eastern Coal Province

$$Y = a \text{ Area}^{b_1} \text{ Precip}^{b_2}$$

Dependent variable Y	Regression constant a	Regression coefficients for independent variables		r <sup>2</sup>	Standard error (in log <sub>10</sub> units)	Standard error (in percent plus/minus)
		b <sub>1</sub>	b <sub>2</sub>			
V3,2	17.3 3.97	0.965 .957	0.576	0.957 .977	0.1474 .1085	40.4 / 28.8 28.4 / 22.1
V3,10	30.8 7.60	.960 .953	.548	.957 .975	.1463 .1114	40.1 / 28.6 29.2 / 22.6
V3,25	38.5 9.86	.956 .949	.533	.952 .969	.1547 .1243	42.8 / 30.0 33.1 / 24.9
V3,50	44.6 11.8	.953 .946	.521	.945 .962	.1647 .1379	46.1 / 31.6 37.4 / 27.2
V3,100	51.3 13.7	.948 .942	.515	.936 .952	.1772 .1533	50.4 / 33.5 42.3 / 29.7
V7,2	10.1 2.43	.985 .978	.556	.966 .984	.1324 .0908	35.6 / 26.3 23.3 / 18.9
V7,10	16.6 4.25	.984 .977	.534	.967 .984	.1303 .0918	35.0 / 25.9 23.5 / 19.1
V7,25	20.2 5.27	.980 .973	.526	.964 .980	.1371 .1026	37.1 / 27.1 26.7 / 21.0
V7,50	22.9 6.11	.978 .971	.516	.959 .975	.1447 .1138	39.5 / 28.3 30.0 / 23.1
V7,100	25.8 6.92	.973 .968	.515	.953 .969	.1546 .1264	42.8 / 30.0 33.8 / 25.3
V15,2	6.65 1.62	.992 .984	.554	.969 .987	.1274 .0839	34.1 / 25.4 21.3 / 17.6
V15,10	10.3 2.73	.994 .987	.522	.972 .988	.1206 .0799	32.0 / 24.3 20.2 / 16.8
V15,25	12.1 3.27	.994 .987	.511	.971 .986	.1232 .0857	32.8 / 24.7 21.8 / 17.9
V15,50	13.4 3.67	.993 .986	.506	.969 .984	.1273 .0925	34.1 / 25.4 23.7 / 19.2
V15,100	14.6 4.07	.992 .986	.500	.966 .980	.1330 .1011	35.8 / 26.4 26.2 / 20.8
V30,2	4.78 1.21	.996 .989	.539	.972 .988	.1230 .0801	32.7 / 24.7 20.3 / 16.8
V30,10	7.01 1.78	1.00 .993	.538	.973 .990	.1189 .0740	31.5 / 24.0 18.6 / 15.7
V30,25	7.98 2.00	1.00 .993	.543	.972 .989	.1223 .0784	32.5 / 24.5 19.8 / 16.5
V30,50	8.65 2.13	1.00 .994	.548	.970 .987	.1267 .0840	33.9 / 25.3 21.3 / 17.6

Table 3H.—Summary of regression equations for flow volumes of Interior Coal Province

$$Y = a \text{ Area}^{b_1} \text{ Precip}^{b_2} \text{ Slope}^{b_3} \text{ Forest}^{b_4} \text{ Length}^{b_5} \text{ Elev}^{b_6}$$

Dependent variable Y	Regression constant a	Regression coefficients for independent variables						r <sup>2</sup>	Standard error (in log <sub>10</sub> units)	Standard error (in percent plus/minus)
		b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	b <sub>6</sub>			
V3,2	18.6	0.896						0.933	0.1830	52.4 / 34.4
	4.11	.889	0.718					.975	.1110	29.1 / 22.6
	2.01	.970	.709	0.206				.979	.1022	26.5 / 21.0
V3,10	37.0	.887						.944	.1639	45.9 / 31.4
	10.8	.881	.586					.974	.1130	29.7 / 22.9
	6.23	.944	.579	.159				.976	.1081	28.3 / 22.0
V3,25	46.1	.883						.945	.1637	45.8 / 31.4
	15.4	.877	.524					.968	.1242	33.1 / 24.9
	9.63	.930	.518	.137				.970	.1213	32.2 / 24.4
V3,50	54.0	.877						.940	.1703	48.0 / 32.4
	19.3	.871	.492					.961	.1379	37.4 / 27.2
	12.3	.922	.487	.130				.962	.1356	36.7 / 26.8
V3,100	61.9	.872						.931	.1816	51.9 / 34.2
	23.2	.867	.466					.950	.1548	42.8 / 30.0
	26.3	.854	.346		0.086			.952	.1525	42.1 / 29.6
V7,2	8.89	.959						.951	.1651	46.3 / 31.6
	2.07	.952	.693					.987	.0859	21.9 / 18.0
	2.32	.941	.594		.068			.987	.0832	21.2 / 17.4
V7,10	17.0	.948						.957	.1520	41.9 / 29.5
	4.73	.942	.610					.986	.0879	22.4 / 18.3
	5.17	.934	.514		.068			.986	.0855	21.8 / 17.9
V7,25	21.1	.941						.955	.1552	43.0 / 30.1
	6.30	.934	.578					.981	.1004	26.0 / 20.6
	6.82	.927	.482		.070			.982	.0980	25.3 / 20.2
V7,50	24.6	.932						.950	.1619	45.2 / 31.1
	7.56	.926	.565					.976	.1134	29.8 / 23.0
	8.14	.919	.468		.071			.977	.1113	29.2 / 22.6
V7,100	28.1	.925						.944	.1716	48.5 / 32.6
	8.84	.919	.555					.969	.1288	34.5 / 25.7
	9.48	.912	.458		.071			.970	.1270	34.0 / 25.4
V15,2	5.10	.985						.957	.1573	43.7 / 30.4
	1.23	.978	.679					.990	.0750	18.9 / 15.9
	.888	1.02	.675	.092				.991	.0727	18.2 / 15.4
V15,10	9.28	.980						.958	.1544	42.7 / 29.9
	2.46	.974	.632					.987	.0855	21.8 / 17.9
	2.69	.966	.537		.067			.988	.0828	21.0 / 17.4
V15,25	11.4	.975						.956	.1598	44.5 / 30.8
	3.12	.967	.619					.984	.0972	25.1 / 20.1
	3.35	.961	.527		.066			.985	.0946	24.3 / 19.6
V15,50	12.2	.980						.951	.1686	47.4 / 32.2
	3.41	.973	.609					.978	.1136	29.9 / 23.0
	3.67	.966	.509		.073			.979	.1107	29.0 / 22.5
V15,100	14.6	.963						.944	.1782	50.7 / 33.7
	4.03	.956	.617					.972	.1259	33.6 / 25.2
	4.34	.949	.517		.072			.974	.1235	32.9 / 24.8
V30,2	3.45	.994						.956	.1604	44.7 / 30.9
	.814	.987	.688					.990	.0782	19.7 / 16.5
	.147	.984	.714			0.257		.990	.0765	19.3 / 16.2
V30,10	5.66	.998						.960	.1505	41.4 / 29.3
	1.57	.990	.615					.988	.0830	21.1 / 17.4
	1.53	.883	.600			0.173		.989	.0814	20.6 / 17.1
V30,25	6.65	.996						.960	.1548	42.8 / 30.0
	1.89	.989	.601					.985	.0938	24.1 / 19.4
	1.83	.875	.583			.186		.986	.0922	23.7 / 19.1
V30,50	7.42	.992						.955	.1630	45.6 / 31.3
	2.11	.986	.598					.981	.1069	27.9 / 21.8
	2.30	.977	.509		.064			.982	.1050	27.4 / 21.5

Table 3I.--Summary of regression equations for low flows of Eastern Coal Province

$$Y = a \text{ Area}^{b_1} \text{ Ratio}^{b_2} \text{ Precip}^{b_3} \text{ Slope}^{b_4} \text{ Storage}^{b_5} \text{ Elev}^{b_6} \text{ Calcratio}^{b_7}$$

Dependent variable Y	Regression constant a*	Regression coefficients for independent variables							r <sup>2</sup>	Standard error (in log <sub>10</sub> units)	Standard error (in percent plus/minus)
		b <sub>1</sub>	b <sub>2</sub>	b <sub>3</sub>	b <sub>4</sub>	b <sub>5</sub>	b <sub>6</sub>	b <sub>7</sub>			
M7,2	2.89 (-2)	1.12							0.673	0.5060	221. / 68.8
	.703	1.04	-1.44						.943	.2125	63.1 / 38.7
	.187	1.03	-1.52	0.568					.954	.1899	54.8 / 35.4
	2.25 (-4)	1.12				0.774	0.629		.718	.4761	199. / 66.6
	4.89 (-3)	1.01		.637			.436	-1.27	.718	.4767	200. / 66.6
M7,5	1.63 (-2)	1.12							.574	.6369	333. / 76.9
	1.05	1.02	-1.91						.928	.2628	83.1 / 45.4
	.236	1.01	-1.99	.646					.940	.2395	73.6 / 42.4
	5.63 (-5)	1.14				1.21	.707		.641	.5900	289. / 74.3
	7.34 (-3)	.959		.976			.404	-1.98	.641	.5905	290. / 74.3
M7,10	1.49 (-2)	1.09							.513	.6885	388. / 79.5
	1.32	1.00	-2.15						.925	.2709	86.6 / 46.4
	.346	1.00	-2.22	.573					.934	.2536	79.3 / 44.2
	8.64 (-4)	1.31			0.460	1.25			.588	.6392	336. / 77.0
	1.27 (-2)	.916		.980			.368	-2.15	.588	.6398	336. / 77.1
M7,20	1.91 (-2)	1.02							.441	.7198	425. / 80.9
	1.67	.992	-2.38						.900	.3024	101. / 50.2
	.428	.987	-2.47	.592					.911	.2863	93.3 / 48.3
	1.15 (-3)	1.24			.443	1.24			.510	.6760	374. / 78.9
	4.22 (-2)	.861		.831			.263	-2.11	.508	.6781	377. / 79.0
M3,2	2.51 (-2)	1.12							.636	.5350	243. / 70.8
	.762	1.03	-1.51						.941	.2153	64.2 / 39.1
	.204	1.02	-1.59	.560					.953	.1926	55.8 / 35.8
	3.34 (-3)	1.27			.376	.708			.675	.5063	221. / 68.8
	4.88 (-3)	1.00		.689			.431	-1.37	.678	.5047	220. / 68.7
M3,10	1.30 (-2)	1.10							.483	.7144	418. / 80.7
	1.39	1.00	-2.22						.916	.2882	94.2 / 48.5
	.354	.993	-2.30	.590					.926	.2710	86.6 / 46.4
	5.62 (-4)	1.34			.517	1.31			.561	.6599	357. / 78.1
	9.45 (-3)	.913		1.06			.398	-2.27	.559	.6624	360. / 78.2
M3,20	1.33 (-2)	1.06							.449	.7385	448. / 81.7
	1.63	.982	-2.39						.902	.3117	105. / 51.2
	.436	.975	-2.47	.569					.912	.2967	98.0 / 49.5
	8.28 (-4)	1.27			.427	1.32			.520	.6908	391. / 79.6
	3.42 (-2)	.891		.995			.232	-2.26	.518	.6934	394. / 79.7

\* Number in ( ) is power of 10 by which value must be multiplied



### Limitations of Estimating Equations

The standard error of estimate, in percent, is a measure of how well the sample data fit the relation expressed by the regression equation. Two-thirds of the observations for a flow characteristic lie between the plus and minus percent errors.

The correlation coefficient ( $r^2$ ) computed for each relation measures how much of the variations in the values of the dependent variable are accounted for by the independent variables. Values of  $r^2$  can range from 0 to  $\pm 1$ . A value of  $r$  equal to  $\pm 1$  indicates a perfectly linear relationship. In general, the larger the value of  $r^2$ , the better the model. The standard errors of estimate, in log units and plus and minus percent, and the correlation coefficients are listed in tables 3A through 3I.

The relationship between a streamflow parameter and basin characteristics given by a multiple-linear-regression equation is assumed to be linear only within the range of characteristics that defined the relation. Ranges in the values of the basin characteristics used to develop the regression equations are given in table 4. The suitability of the equations for values outside these regions and ranges is unknown.

Histograms showing the distribution of gage sites by drainage-area size for both coal provinces are shown in figures 2a and 2b. Percentages of gaging stations that had drainage areas between 20 and 1,000 square miles, were 71 in the Interior Coal Province and 76 percent in the Eastern Coal Province.

Table 4.--Ranges of basin characteristics in the Eastern and Interior Coal Provinces.

Basin Charac- teristics	Eastern Coal Province				Interior Coal province			
	Maximum	Minimum	Mean	Median	Maximum	Minimum	Mean	Median
Area <sup>1</sup>	6,850.0	0.67	442.0	177.	4,690.0	2.10	500.0	211.
Slope <sup>2</sup>	380.0	.66	27.3	13.2	53.9	1.0	7.0	4.6
Length <sup>3</sup>	315.0	1.20	46.2	32.0	253.0	2.2	53.2	36.2
Forest <sup>4</sup>	100.0	.0	59.5	66.0	78.0	.0	15.3	10.3
Precip <sup>5</sup>	58.0	34.0	44.7	44.0	50.0	33.4	39.6	38.5
Elev <sup>6</sup>	3,690.0	210.0	1,560.0	1,400.	948.0	400.0	676.0	696.0
Storage <sup>7</sup>	6.0	.0	.62	.12	4.41	.0	.38	.12

<sup>1</sup> Area, in square miles

<sup>2</sup> Main channel slope, in feet per mile

<sup>3</sup> Main channel length, in miles

<sup>4</sup> Forest cover, in percent of drainage area

<sup>5</sup> Mean annual precipitation, in inches

<sup>6</sup> Elevation, in feet above sea level

<sup>7</sup> Storage, in percent of drainage area

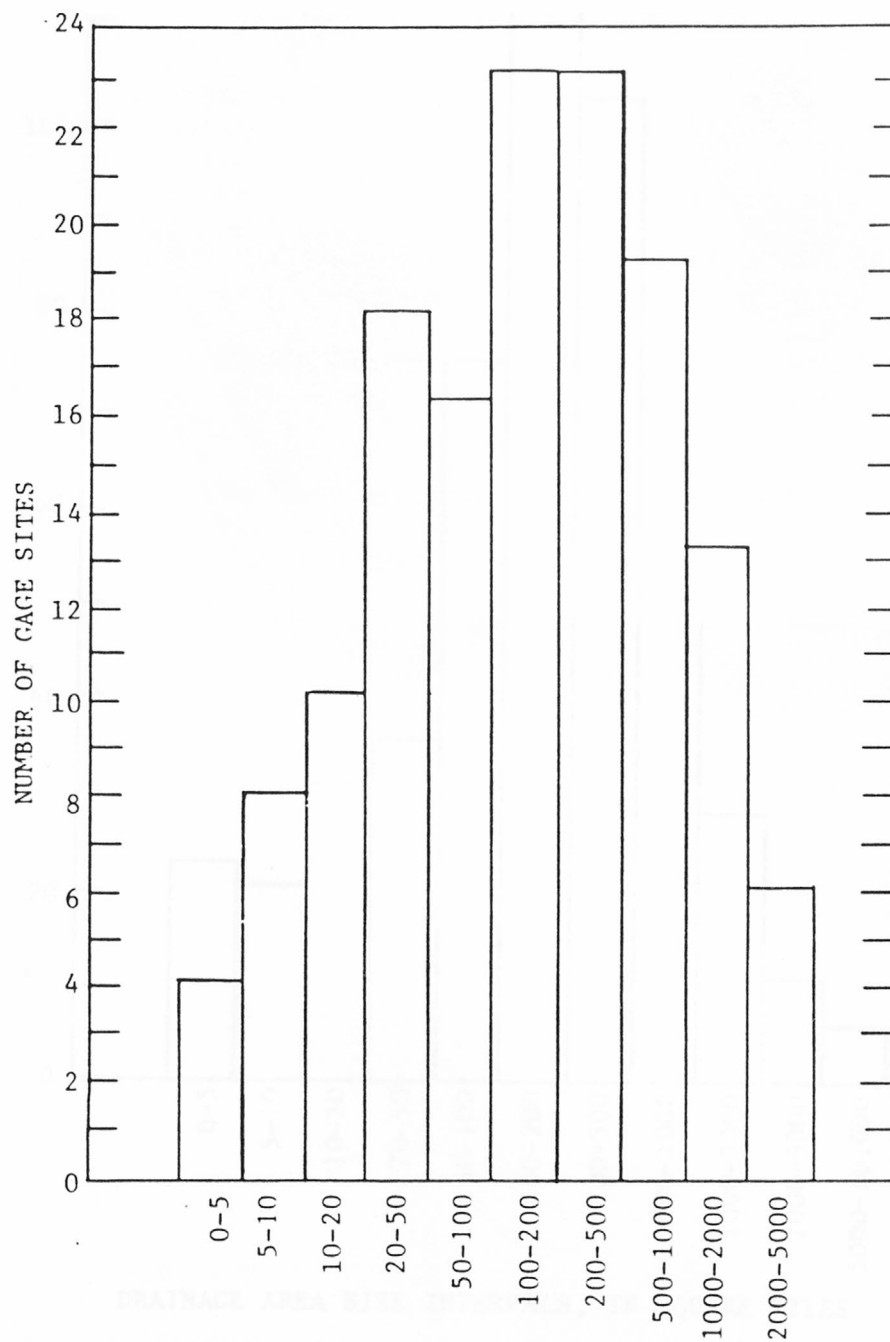
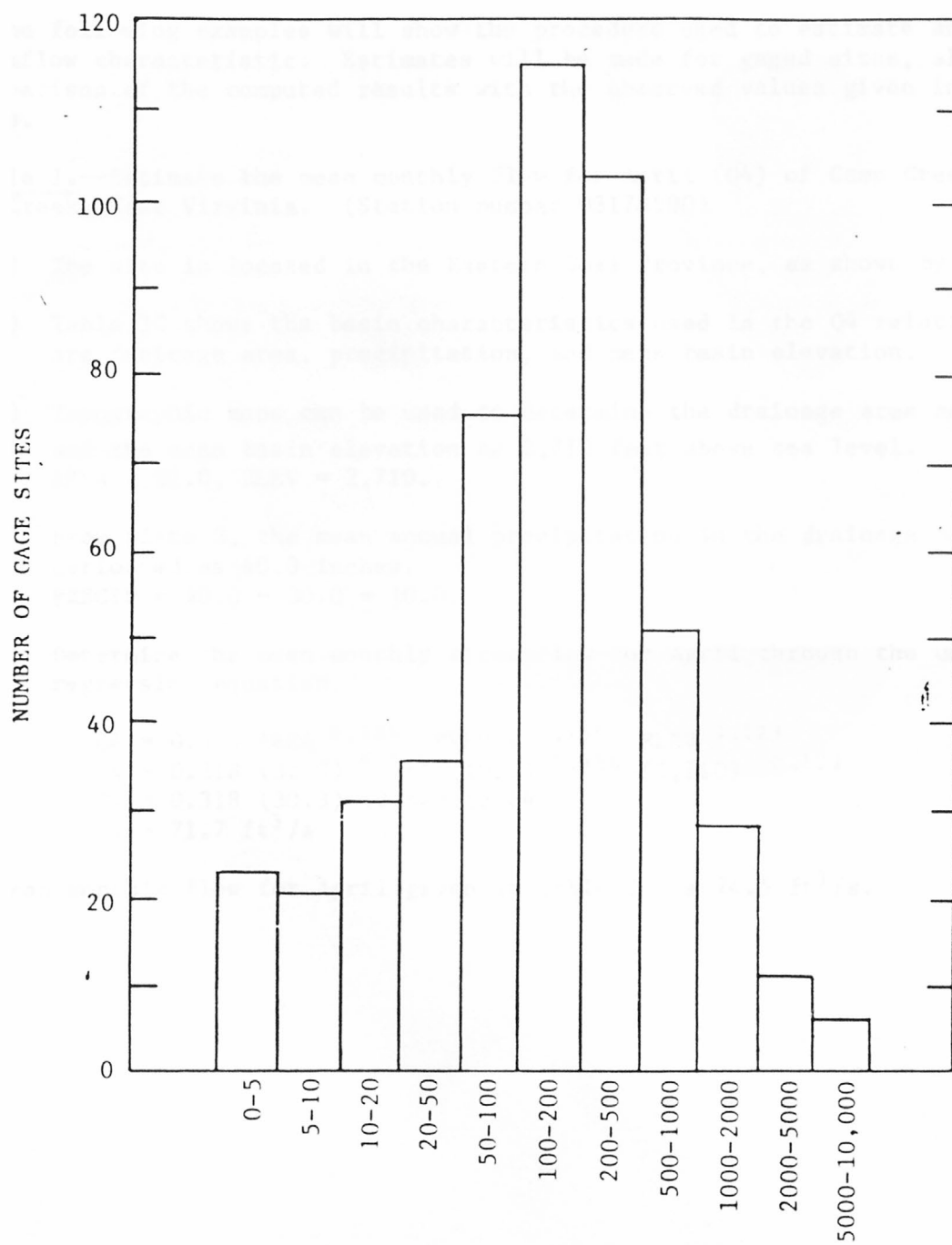


Figure 2a.--Numerical distribution of gage sites, by drainage-area size intervals, for the Interior Coal Province.



DRAINAGE AREA SIZE INTERVALS, IN SQUARE MILES

Figure 2b.--Numerical distribution of gage sites, by drainage-area size intervals, for the Eastern Coal Province,

### Examples

The following examples will show the procedure used to estimate an unknown streamflow characteristic. Estimates will be made for gaged sites, allowing a comparison of the computed results with the observed values given in the tables.

Example 1.--Estimate the mean monthly flow for April (Q4) of Camp Creek near Camp Creek, West Virginia. (Station number 03178500)

- (1) The site is located in the Eastern Coal Province, as shown by plate 1.
- (2) Table 3C shows the basin characteristics used in the Q4 relationship are drainage area, precipitation, and mean basin elevation.
- (3) Topographic maps can be used to determine the drainage area as 32.0 mi<sup>2</sup> and the mean basin elevation as 2,710 feet above sea level.  
AREA = 32.0, ELEV = 2,710.
- (4) From plate 2, the mean annual precipitation in the drainage basin is estimated as 40.0 inches.  
PRECIP = 40.0 - 30.0 = 10.0.
- (5) Determine the mean monthly streamflow for April through the use of the regression equation.

$$\begin{aligned} Q4 &= 0.318 \text{ AREA }^{0.984} \text{ PRECIP }^{0.450} \text{ ELEV }^{0.123} \\ Q4 &= 0.318 (32.0)^{0.984} (10.0)^{0.450} (2,710)^{0.123} \\ Q4 &= 0.318 (30.3) (2.82) (2.64) \\ Q4 &= 71.7 \text{ ft}^3/\text{s} \end{aligned}$$

The mean monthly flow for April given in table 2C is 74.5 ft<sup>3</sup>/s.



Examples - (continued)

Example 2.--Estimate the 7-day, 10-year high-flow volume ( $V_{7,10}$ ) for Kickapoo Creek at Peoria, Illinois. (Station number 05563500)

- (1) The site is located in the Interior Coal Province, as shown by plate 1.
- (2) Table 3H shows the basin characteristics used in the  $V_{7,10}$  relationship are drainage area, precipitation, and forest cover.
- (3) Topographic maps can be used to determine the drainage area is  $297 \text{ mi}^2$  and the forest cover as 19.3 percent.  
 $\text{AREA} = 297$ ,  $\text{FOREST} = 19.3 + 1.0 = 20.3$ .
- (4) From plate 2, the mean annual precipitation in the drainage basin is estimated as 34.5 inches.  
 $\text{PRECIP} = 34.5 - 30.0 = 4.5$ .
- (5) Determine the 7-day, 10-year high-flow volume through the use of the regression equation.

$$\begin{aligned} V_{7,10} &= 5.17 \text{ AREA}^{0.934} \text{ PRECIP}^{0.514} \text{ FOREST}^{0.068} \\ V_{7,10} &= 5.17 (297)^{0.934} (4.5)^{0.514} (20.3)^{0.068} \\ V_{7,10} &= 5.17 (204) (2.17) (1.23) \\ V_{7,10} &= 2,820 \text{ ft}^3/\text{s} \end{aligned}$$

The actual high-flow volume given in table 2H is  $2,670 \text{ ft}^3/\text{s}$ .

# Examples - (continued)

Example 3.—Estimate the mean annual flow (QA) for Corey Creek near Mainesburg, Pennsylvania (station number 01516500). All three regression equations will be used to show how the equation improves as independent variables are added.

- (1) The site is located in the Eastern Coal Province.
- (2) Table 3C shows the basin characteristics needed are drainage area, precipitation, and elevation.
- (3) Using topographic maps, the drainage area is determined as 12.2 mi<sup>2</sup> and the elevation as 1,670 feet above sea level.  
AREA = 12.2, ELEV = 1,670.
- (4) Plate 2 is used to estimate the mean annual precipitation in the basin as 34.5 inches.  
PRECIP = 34.5 - 30.0 = 4.5.
- (5) The regression equation, constants, coefficients, and solutions are

$$QA = aAREA \ b^1 \ PRECIP \ b^2 \ ELEV \ b^3$$

a	b <sup>1</sup>	b <sup>2</sup>	b <sup>3</sup>	QA
1.40	1.00			17.1
.378	.993	0.513		9.8
.082	.991	.534	0.204	9.9

The observed mean annual flow is 12.7 ft<sup>3</sup>/s (table 2C).

## SUMMARY

The equations in this report, based on data for 629 stream gaging stations in the Eastern and Interior Coal Provinces, provide a means for estimating selected streamflow characteristics of unregulated streams. These equations are not intended to replace sound hydrologic judgement or any computational procedures that can be successfully applied to sites where sufficient data are available to permit calculation of reliable estimates. Rather, they are intended as tools for estimating streamflow characteristics for sites where little or no data are available.

Regression methods were used to relate the streamflow statistics--peak flow, mean monthly and annual flow, high-flow volumes, flow durations and low-flow--to basin and climatic characteristics. Drainage area is the only independent variable common to all regression equations. Additional variables used in the equations are mean channel slope, forest cover, mean annual precipitation, main channel length, mean basin elevation, and storage.

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