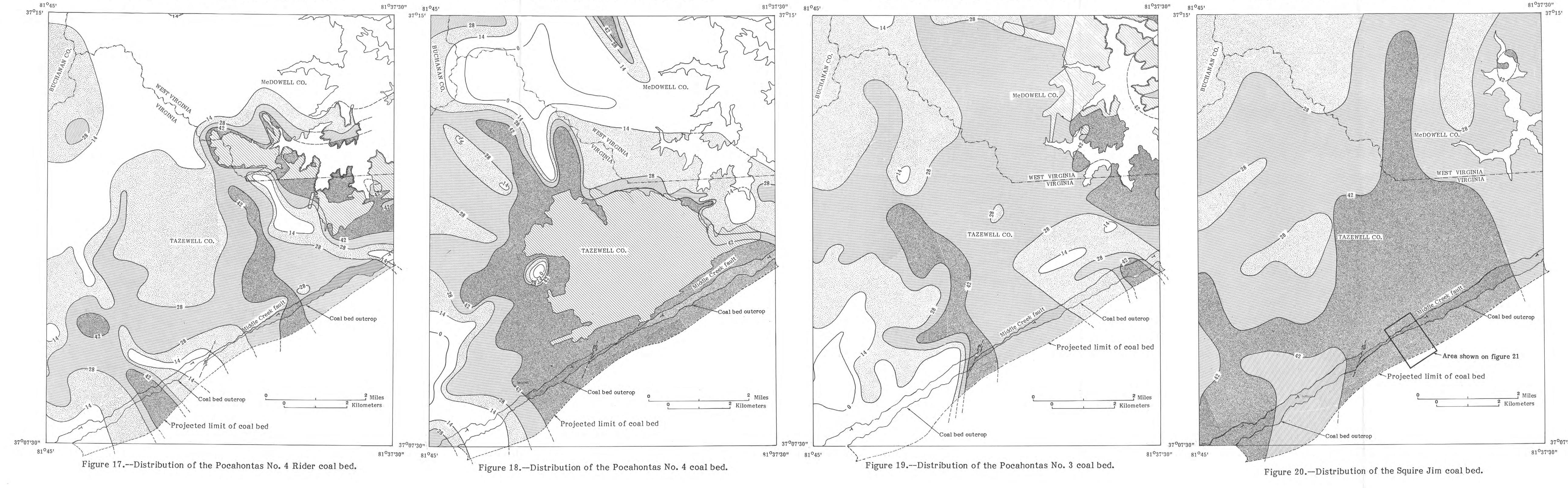
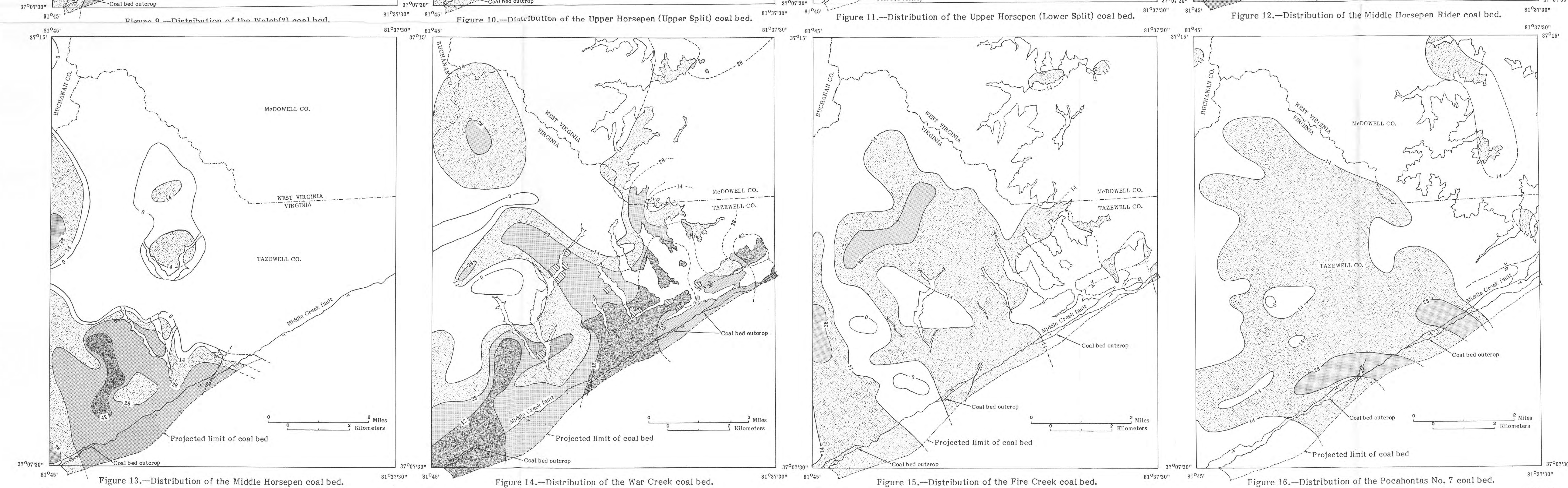
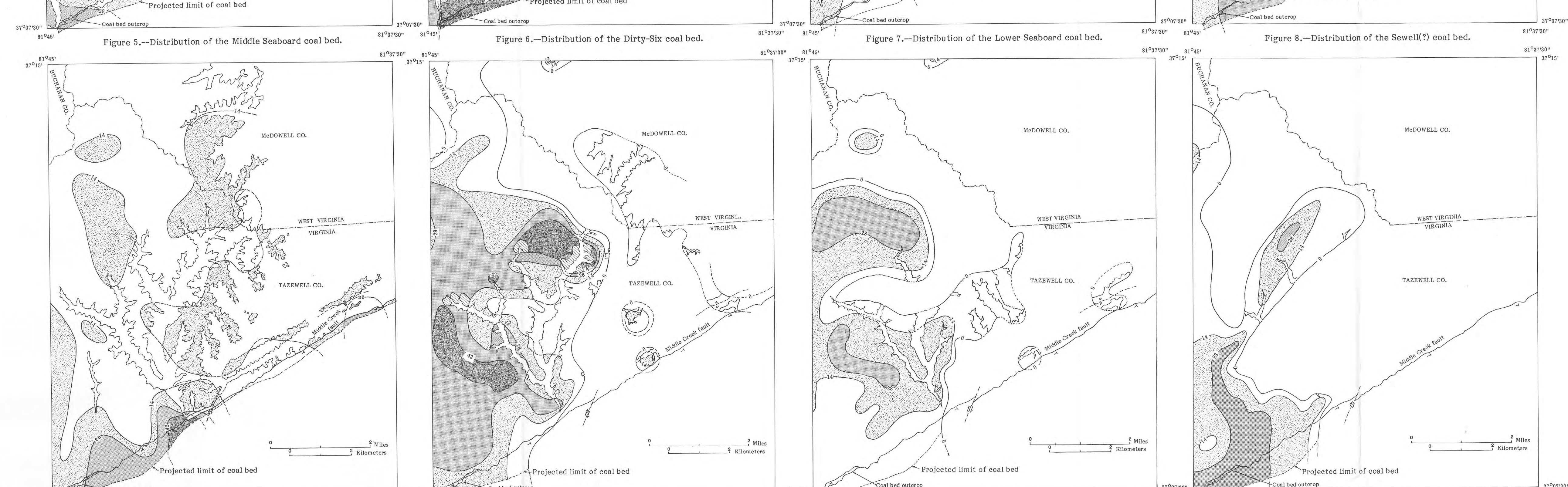
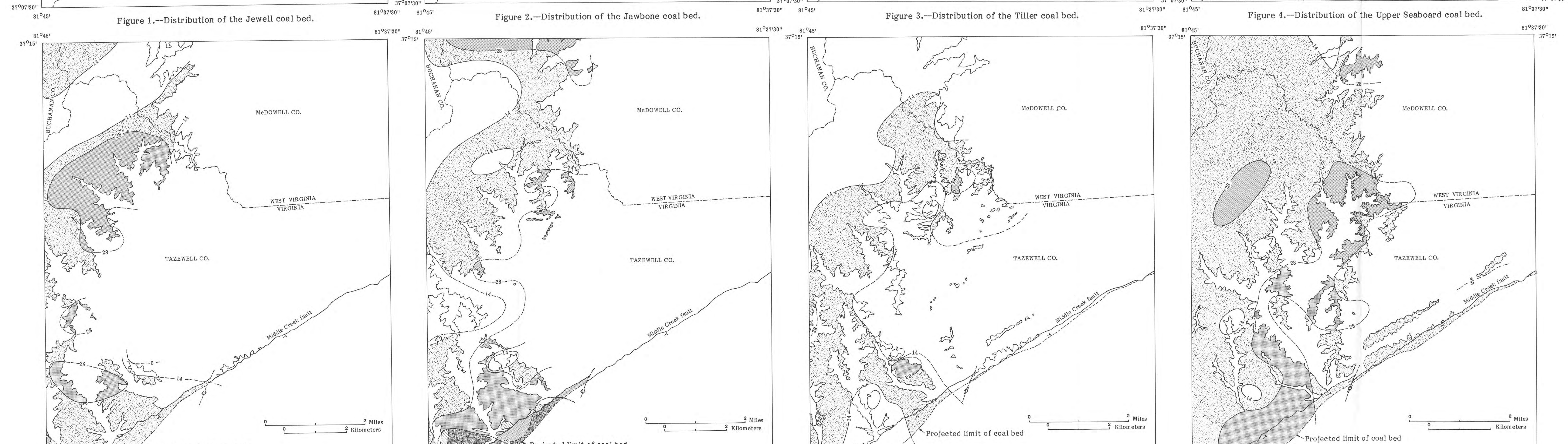


Figure 21.—Depiction of folded and faulted coal bed. A, folded and faulted coal bed. B, coal bed prior to folding and faulting. C, composite of map views of A and B corresponds to outlined area on figure 20.



SYSTEM	SERIES	FORMATION, MEMBER, AND BED	LITHOLOGY	THICKNESS OF COAL BED IN INCHES (CM)	THICKNESS IN FEET (M)
QUATERNARY	Alluvium	Collosum		0-20 (0)	0-20 (0)
		Lower Banner coal bed		0-10 (0)	0-10 (0)
PENNSYLVANIAN	New River Formation	Lower Banner coal bed		0-10 (0)	0-10 (0)
		Lower Banner coal bed		0-10 (0)	0-10 (0)
		Lower Banner coal bed		0-10 (0)	0-10 (0)
		Lower Banner coal bed		0-10 (0)	0-10 (0)
		Lower Banner coal bed		0-10 (0)	0-10 (0)
		Lower Banner coal bed		0-10 (0)	0-10 (0)
		Lower Banner coal bed		0-10 (0)	0-10 (0)
		Lower Banner coal bed		0-10 (0)	0-10 (0)
		Lower Banner coal bed		0-10 (0)	0-10 (0)
		Lower Banner coal bed		0-10 (0)	0-10 (0)
UPPER MISSISSIPPIAN	Poehontas Formation	Poehontas No. 7 coal bed		0-10 (0)	0-10 (0)
		Poehontas No. 7 coal bed		0-10 (0)	0-10 (0)
		Poehontas No. 7 coal bed		0-10 (0)	0-10 (0)
		Poehontas No. 7 coal bed		0-10 (0)	0-10 (0)
		Poehontas No. 7 coal bed		0-10 (0)	0-10 (0)
		Poehontas No. 7 coal bed		0-10 (0)	0-10 (0)
		Poehontas No. 7 coal bed		0-10 (0)	0-10 (0)
		Poehontas No. 7 coal bed		0-10 (0)	0-10 (0)
		Poehontas No. 7 coal bed		0-10 (0)	0-10 (0)
		Poehontas No. 7 coal bed		0-10 (0)	0-10 (0)

Figure 22.—Generalized stratigraphic column of coal-bearing formations.

Table 1.—Estimated original and remaining coal resources in the Amnate, Va-W.Va. quadrangle (in thousands of short tons, as of January 1987)		ORIGINAL RESOURCES									
Resource	Unit	Resource									
		Original	Remaining	Original	Remaining	Original	Remaining	Original	Remaining	Original	Remaining
Amnate	Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Bucanan	Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Tazewell	Total	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000

Table 1.—Trace element composition of samples from the Amnate, Va-W.Va. quadrangle (Values in parts per million. 1, after a value means less than value shown. N, means not detected. Analysis by U.S. Geological Survey.)

Sample	Al	As	B	Br	Ca	Cd	Co	Cu	Fe	F	Hg	K	Mn	Mg	Mo	Ni	P	Pb	S	Se	Si	Sr	Ta	Tl	V	Zn
Amnate	10.0	0.1	0.01	0.01	10.0	0.01	0.01	0.01	10.0	0.01	0.01	10.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bucanan	10.0	0.1	0.01	0.01	10.0	0.01	0.01	0.01	10.0	0.01	0.01	10.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Tazewell	10.0	0.1	0.01	0.01	10.0	0.01	0.01	0.01	10.0	0.01	0.01	10.0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

MAPS SHOWING COAL RESOURCES OF THE AMONATE QUADRANGLE, BUCHANAN AND TAZEWELL COUNTIES, VIRGINIA AND McDOWELL COUNTY, WEST VIRGINIA

By
John F. Windolph, Jr.
1986