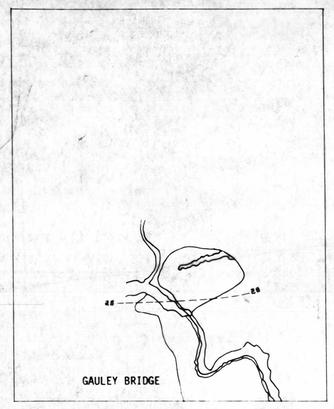
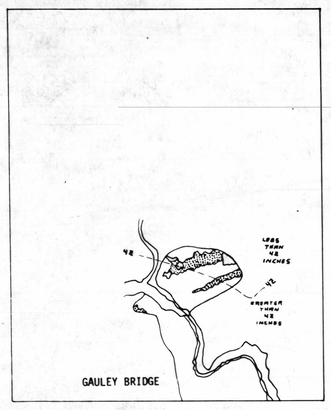
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

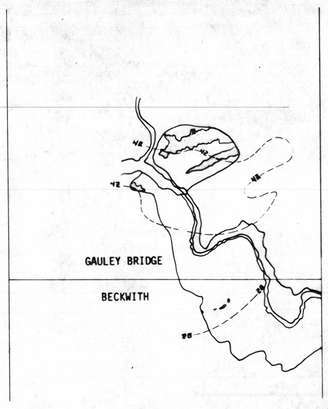
OPEN-FILE REPORT OF 77-76 MAP--F
Mineral resource, geological, and geophysical maps of the New River Gorge area, Fayette, Raleigh and Summers Counties, West Virginia



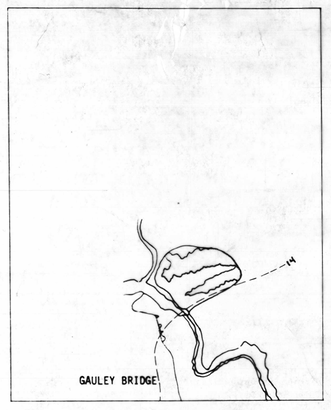

Hernshaw (?) coal bed



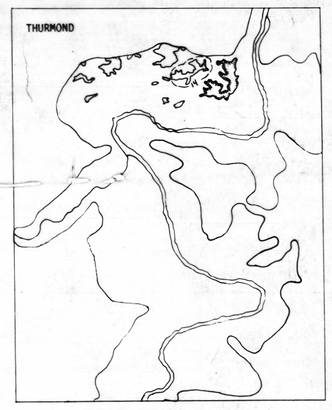

No. 2 Gas coal bed



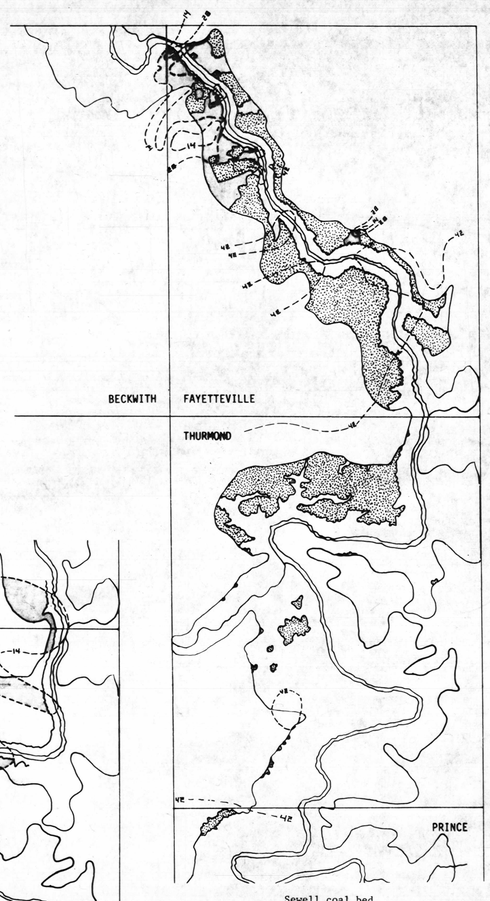

Powellton coal bed



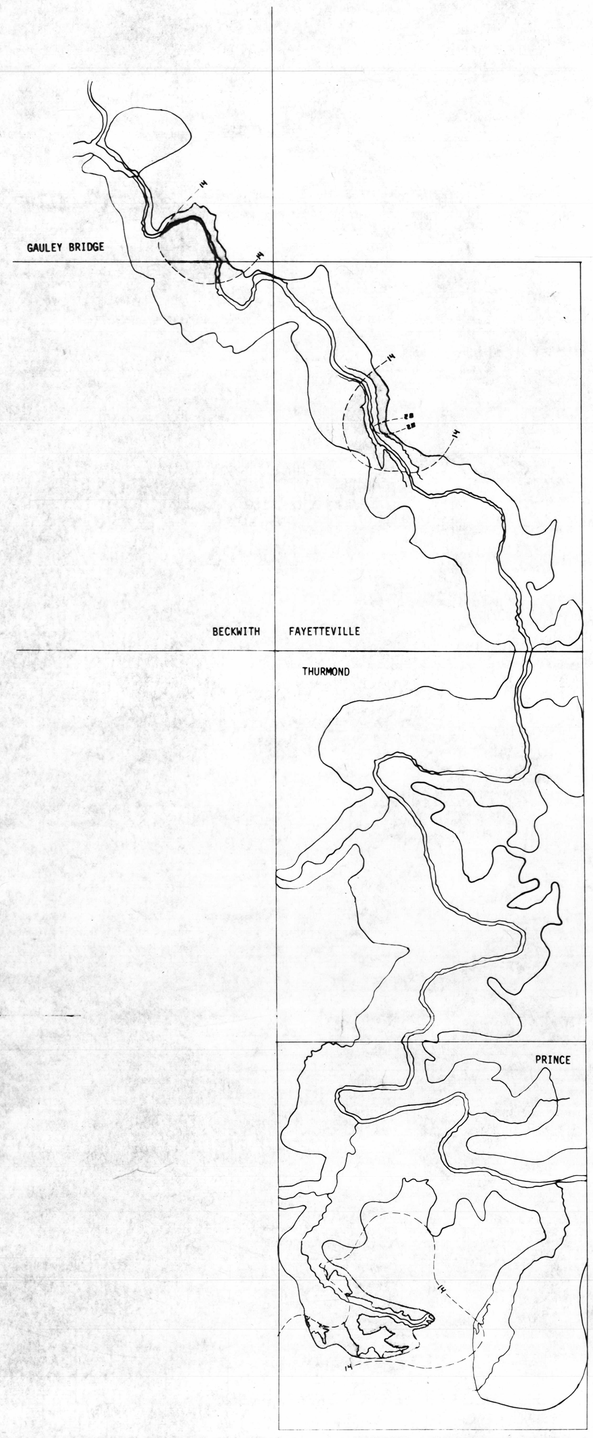

Eagle coal bed



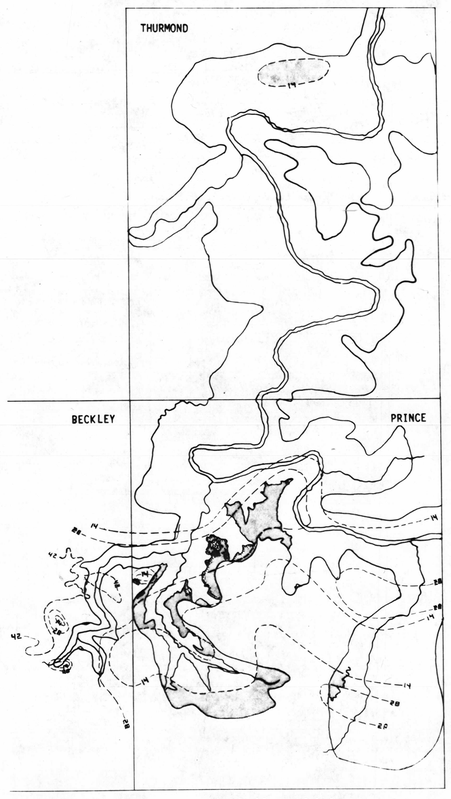

Hughes Ferry (?) coal bed



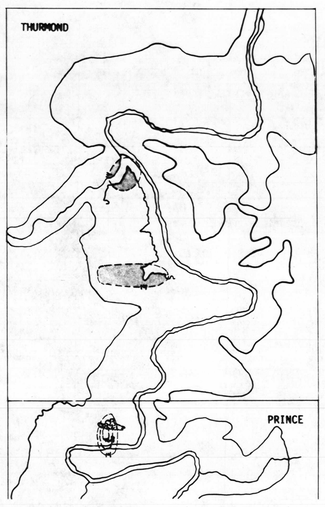

Sewell coal bed



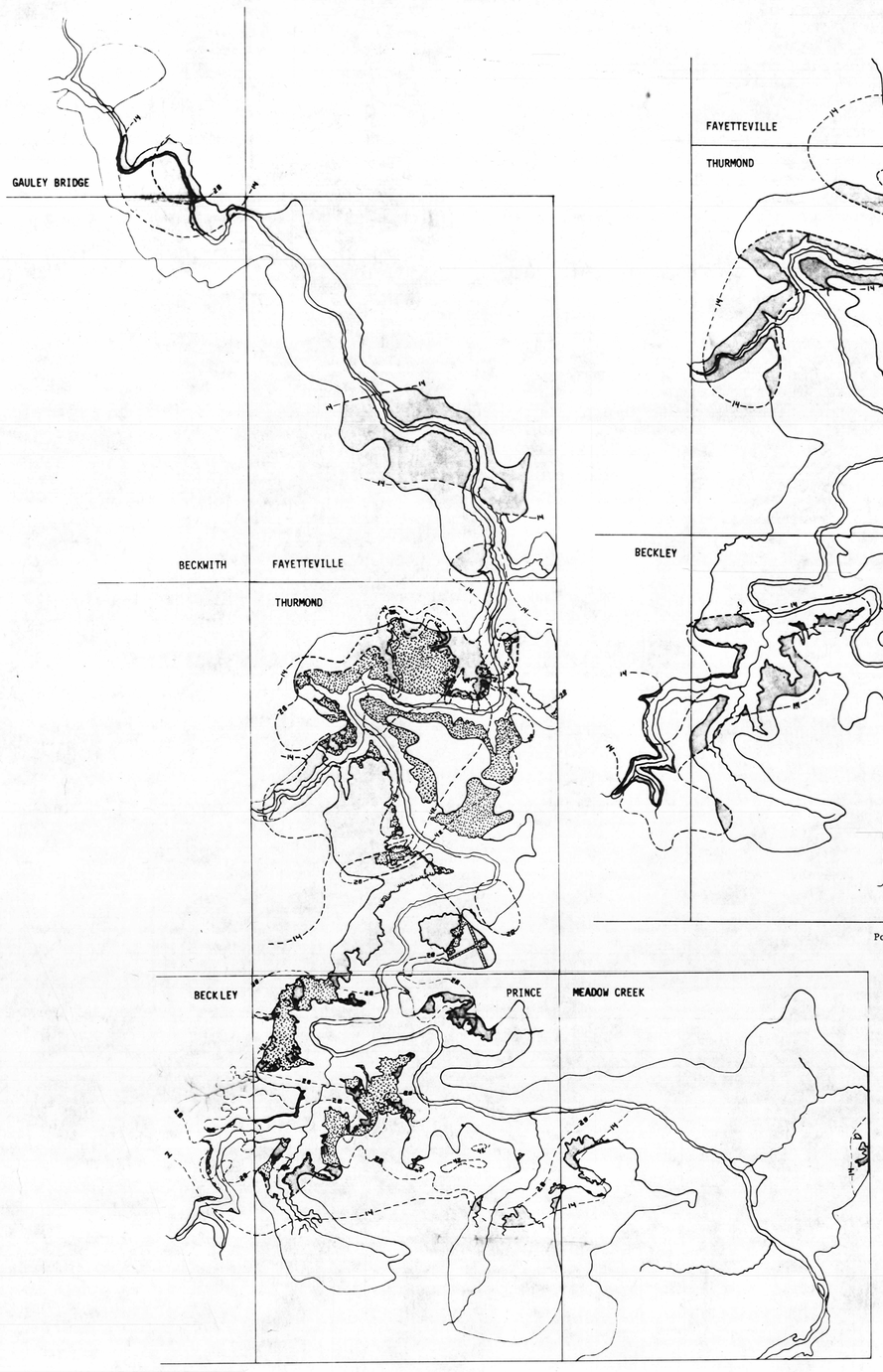

Little Raleigh coal bed



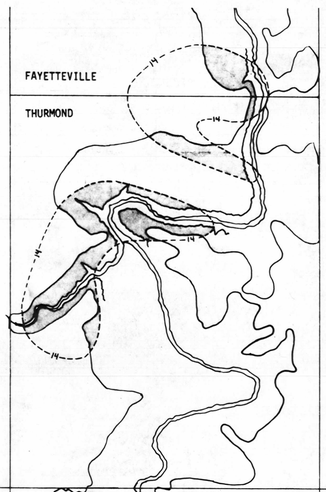

Beckley coal bed

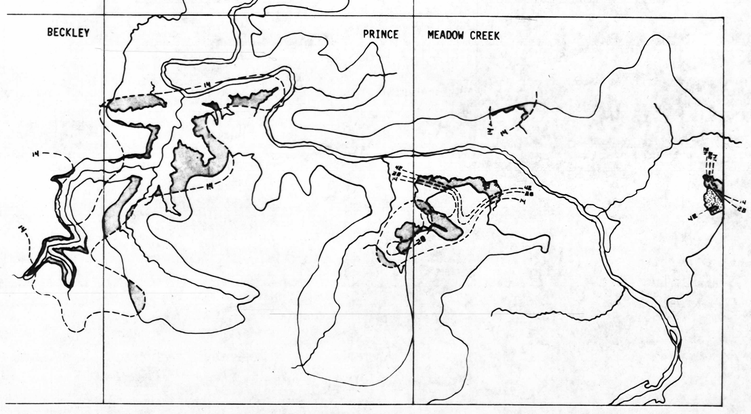



Fire Creek Rider coal bed

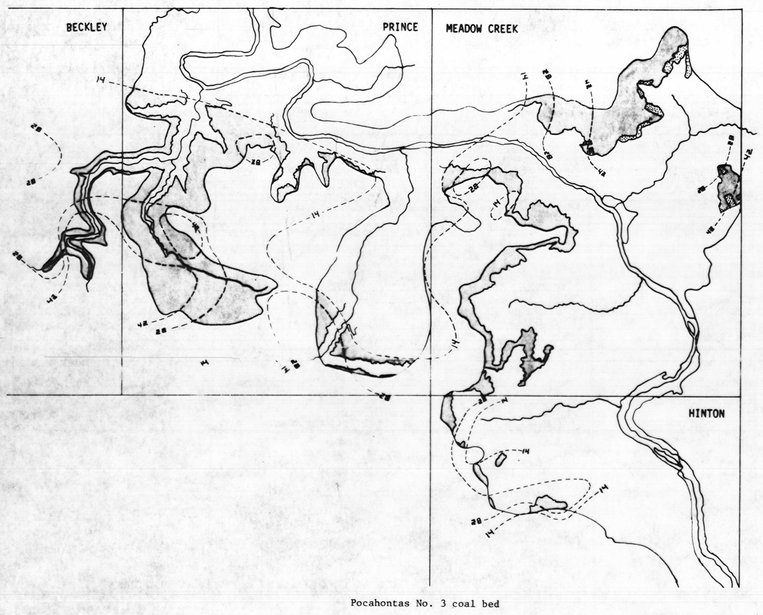



Fire Creek coal bed

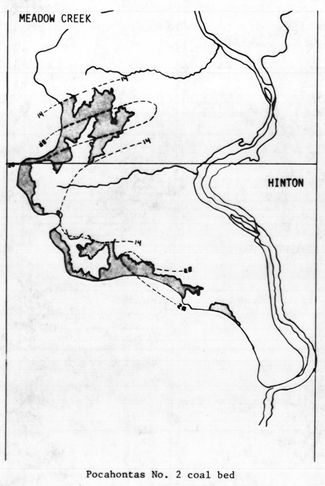


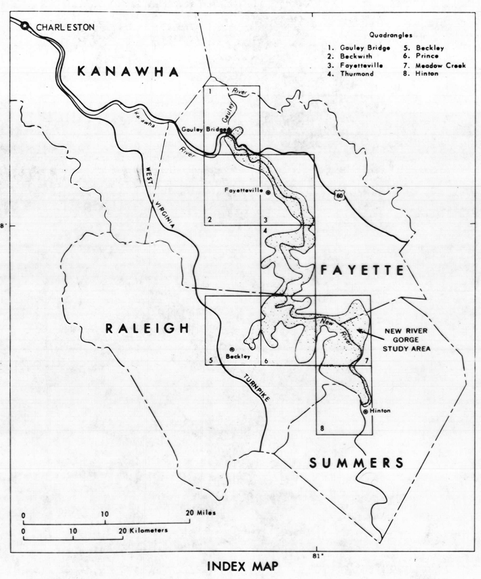

Pocahontas No. 6 coal zone




Pocahontas No. 3 coal bed




Pocahontas No. 2 coal bed




INDEX MAP

## EXPLANATION

Proposed National Park boundary

Outcrop of coal bed

Coal thickness line approximately located. Interval 14 inches

Strip mine
Not shown in areas of underground mining

Area underlain by estimated coal resources

Mined areas
Adapted from U.S. Bureau of Mines

SCALE 1:100,000
0 — 5 MILES
0 — 8 KILOMETERS

Estimated Original and Remaining Coal Resources of the Proposed National Park Area of the New River Gorge, Fayetteville, Raleigh, and Summers Counties, West Virginia.

[In thousands of short tons. Covered by less than 1,000 feet. As of January 1, 1977.]

| FORMATION | COAL BED | ORIGINAL RESOURCES: MEASURED: In beds 14-28 inches thick | MEASURED: In beds 28-42 inches thick | MEASURED: In beds more than 42 inches thick | MEASURED: Total | INDICATED: In beds 14-28 inches thick | INDICATED: In beds 28-42 inches thick | INDICATED: In beds more than 42 inches thick | INDICATED: Total | INFERRED: In beds 14-28 inches thick | INFERRED: In beds 28-42 inches thick | INFERRED: Total | TOTAL: In beds 14-28 inches thick | TOTAL: In beds 28-42 inches thick | TOTAL: In beds more than 42 inches thick | TOTAL: Total | MINED AND LOST IN MINING | TOTAL REMAINING RESOURCES |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Gauley Bridge Quadrangle** | | | | | | | | | | | | | | | | | | |
| Kanawha, New River | Hernshaw (?) | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 331 | ------ | 331 | 331 | ------ | ------ | 331 | --------- | 331 |
| | No. 2 Gas | ------ | 1,496 | 738 | 2,234 | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 1,496 | 738 | 2,234 | 1,778 | --------- | 456 |
| | Powellton | ------ | 1,709 | 236 | 1,945 | ------ | 222 | 412 | 634 | ------ | ------ | ------ | 1,931 | 648 | 2,579 | 20 | --------- | 2,559 |
| | Eagle | 3 | ------ | ------ | 3 | 3 | ------ | ------ | 3 | 1,300 | ------ | 1,300 | 1,306 | ------ | ------ | 1,306 | --------- | 1,306 |
| | Little Raleigh | 359 | ------ | ------ | 359 | 1,560 | ------ | ------ | 1,560 | 557 | ------ | 557 | 2,476 | ------ | ------ | 2,476 | --------- | 2,476 |
| | Fire Creek | ------ | 562 | ------ | 562 | ------ | 2,344 | ------ | 2,344 | 1,537 | ------ | 1,537 | 1,537 | 2,906 | ------ | 4,443 | --------- | 4,443 |
| | Total | 362 | 3,767 | 974 | 5,103 | 1,563 | 2,566 | 412 | 4,541 | 3,725 | ------ | 3,725 | 5,650 | 6,332 | 1,386 | 13,369 | 1,798 | 11,571 |
| **Beckwith Quadrangle** | | | | | | | | | | | | | | | | | | |
| Kanawha | Powellton | ------ | ------ | ------ | ------ | ------ | 22 | ------ | 22 | ------ | ------ | ------ | ------ | 22 | ------ | 22 | --------- | 22 |
| New River | Sewell | 199 | 86 | ------ | 285 | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 199 | 86 | ------ | 285 | --------- | 285 |
| | Little Raleigh | ------ | ------ | ------ | ------ | 140 | ------ | ------ | 140 | 874 | ------ | 874 | 1,014 | ------ | ------ | 1,014 | --------- | 1,014 |
| | Fire Creek | ------ | ------ | ------ | ------ | ------ | 209 | ------ | 209 | 2,961 | ------ | 2,961 | 2,961 | 209 | ------ | 3,170 | --------- | 3,170 |
| | Total | 199 | 86 | ------ | 285 | 140 | 231 | ------ | 371 | 3,835 | ------ | 3,835 | 4,174 | 317 | ------ | 4,491 | --------- | 4,491 |
| **Fayetteville Quadrangle** | | | | | | | | | | | | | | | | | | |
| New River | Sewell | 1,322 | 24,613 | 7,240 | 33,175 | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 1,322 | 24,613 | 7,240 | 33,175 | 27,184 | 5,991 |
| | Little Raleigh | 523 | 126 | ------ | 649 | 1,567 | 31 | ------ | 1,598 | 326 | ------ | 326 | 2,416 | 157 | ------ | 2,573 | --------- | 2,573 |
| | Fire Creek | 698 | ------ | ------ | 698 | 2,641 | ------ | ------ | 2,641 | 3,835 | ------ | 3,835 | 7,174 | ------ | ------ | 7,174 | --------- | 7,174 |
| Pocahontas | Pocahontas No. 6 Zone | 144 | ------ | ------ | 144 | 619 | ------ | ------ | 619 | 467 | ------ | 467 | 1,230 | ------ | ------ | 1,230 | --------- | 1,230 |
| | Total | 2,687 | 24,739 | 7,240 | 34,666 | 4,827 | 31 | ------ | 4,858 | 4,628 | ------ | 4,628 | 12,142 | 24,770 | 7,240 | 44,152 | 27,184 | 16,968 |
| **Thurmond Quadrangle** | | | | | | | | | | | | | | | | | | |
| New River | Hughes Ferry(?) | 634 | ------ | ------ | 634 | 248 | ------ | ------ | 248 | 356 | ------ | 356 | 1,238 | ------ | ------ | 1,238 | 312 | 926 |
| | Sewell | ------ | ------ | 22,458 | 22,458 | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 22,458 | 22,458 | 22,458 | --------- |
| | Beckley | 527 | ------ | ------ | 527 | 572 | ------ | ------ | 572 | ------ | ------ | ------ | 1,099 | ------ | ------ | 1,099 | --------- | 1,099 |
| | Fire Creek Rider | 520 | ------ | ------ | 520 | 528 | ------ | ------ | 528 | ------ | ------ | ------ | 1,048 | ------ | ------ | 1,048 | --------- | 1,048 |
| | Fire Creek | 9,119 | 19,915 | 12,874 | 41,908 | 6,100 | ------ | ------ | 6,100 | ------ | ------ | ------ | 15,219 | 19,915 | 12,874 | 48,008 | 25,148 | 22,860 |
| Pocahontas | Pocahontas No. 6 Zone | 1,333 | ------ | ------ | 1,333 | 3,105 | ------ | ------ | 3,105 | 1,799 | ------ | 1,799 | 6,237 | ------ | ------ | 6,237 | --------- | 6,237 |
| | Total | 12,133 | 19,915 | 35,332 | 67,380 | 10,553 | ------ | ------ | 10,553 | 2,155 | ------ | 2,155 | 24,841 | 19,915 | 35,332 | 80,088 | 47,918 | 32,170 |
| **Beckley Quadrangle** | | | | | | | | | | | | | | | | | | |
| New River | Beckley | ------ | 71 | ------ | 71 | 8 | ------ | ------ | 8 | ------ | ------ | ------ | 8 | 71 | ------ | 79 | 71 | 8 |
| | Fire Creek | 76 | 158 | ------ | 234 | 15 | ------ | ------ | 15 | ------ | ------ | ------ | 91 | 158 | ------ | 249 | 86 | 163 |
| Pocahontas | Pocahontas No. 6 Zone | 148 | ------ | ------ | 148 | 364 | ------ | ------ | 364 | ------ | ------ | ------ | 512 | ------ | ------ | 512 | --------- | 512 |
| | Pocahontas No. 3 | 122 | 150 | 765 | 1,037 | 234 | 267 | 1,316 | 1,817 | 587 | ------ | 587 | 943 | 417 | 2,081 | 3,441 | --------- | 3,441 |
| | Total | 346 | 379 | 765 | 1,490 | 621 | 267 | 1,316 | 2,204 | 587 | ------ | 587 | 1,554 | 646 | 2,081 | 4,281 | 157 | 4,124 |
| **Prince Quadrangle** | | | | | | | | | | | | | | | | | | |
| New River | Sewell | ------ | 533 | ------ | 533 | ------ | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 533 | ------ | 533 | 533 | --------- |
| | Little Raleigh | 171 | ------ | ------ | 171 | 1,227 | ------ | ------ | 1,227 | 1,256 | ------ | 1,256 | 2,654 | ------ | ------ | 2,654 | --------- | 2,654 |
| | Beckley | 991 | 1,237 | 223 | 2,451 | 2,843 | 2,267 | ------ | 5,110 | 519 | 98 | 617 | 4,353 | 3,602 | 223 | 8,178 | 454 | 7,724 |
| | Fire Creek Rider | 66 | 70 | 35 | 171 | ------ | ------ | ------ | ------ | ------ | ------ | ------ | 66 | 70 | 35 | 171 | 171 | --------- |
| | Fire Creek | 3,641 | 10,573 | 621 | 14,835 | 1,038 | 800 | ------ | 1,838 | 128 | ------ | 128 | 4,807 | 11,373 | 621 | 16,801 | 9,729 | 7,072 |
| Pocahontas | Pocahontas No. 6 Zone | 947 | 154 | ------ | 1,101 | 1,816 | ------ | ------ | 1,816 | 1,098 | ------ | 1,098 | 3,861 | 154 | ------ | 4,015 | --------- | 4,015 |
| | Pocahontas No. 3 | 749 | 1,702 | 1,551 | 4,002 | 6,687 | 5,736 | 4,936 | 17,359 | 4,539 | 911 | 5,450 | 11,975 | 8,349 | 6,487 | 26,811 | --------- | 26,811 |
| | Total | 6,565 | 14,269 | 2,430 | 23,264 | 13,611 | 8,803 | 4,936 | 27,350 | 7,540 | 1,009 | 8,549 | 27,716 | 24,081 | 7,366 | 59,163 | 10,887 | 48,276 |
| **Meadow Creek Quadrangle** | | | | | | | | | | | | | | | | | | |
| New River | Fire Creek | 240 | ------ | ------ | 240 | 536 | ------ | ------ | 536 | ------ | ------ | ------ | 776 | ------ | ------ | 776 | --------- | 776 |
| Pocahontas | Pocahontas No. 6 Zone | 922 | 650 | 2,087 | 3,659 | 184 | 50 | 131 | 365 | ------ | ------ | ------ | 1,106 | 700 | 2,218 | 4,024 | 734 | 3,290 |
| | Pocahontas No. 3 | 1,566 | 1,651 | 8,030 | 11,247 | 4,558 | 2,345 | 4,967 | 11,870 | 188 | ------ | 188 | 6,312 | 3,996 | 12,997 | 23,305 | 2,727 | 20,578 |
| | Pocahontas No. 2 | 267 | 119 | ------ | 386 | 363 | 1,321 | ------ | 1,684 | 1,186 | 644 | 1,830 | 1,816 | 2,084 | ------ | 3,900 | --------- | 3,900 |
| | Total | 2,995 | 2,420 | 10,117 | 15,532 | 5,641 | 3,716 | 5,098 | 14,455 | 1,374 | 644 | 2,018 | 10,010 | 6,780 | 15,215 | 32,005 | 3,461 | 28,544 |
| **Hinton Quadrangle** | | | | | | | | | | | | | | | | | | |
| Pocahontas | Pocahontas No. 3 | 70 | 418 | ------ | 488 | 266 | 637 | ------ | 903 | 12 | 7 | 19 | 348 | 1,062 | ------ | 1,410 | --------- | 1,410 |
| | Pocahontas No. 2 | 1,246 | 787 | ------ | 2,033 | 919 | 894 | ------ | 1,813 | 131 | ------ | 131 | 2,296 | 1,681 | ------ | 3,977 | 127 | 3,850 |
| | Total | 1,316 | 1,205 | ------ | 2,521 | 1,185 | 1,531 | ------ | 2,716 | 143 | 7 | 150 | 2,644 | 2,743 | ------ | 5,387 | 127 | 5,260 |
| | Grand Total | 26,603 | 66,780 | 56,858 | 150,241 | 38,141 | 17,145 | 11,762 | 67,047 | 23,987 | 3,660 | 25,647 | 88,731 | 85,585 | 68,620 | 242,936 | 91,532 | 151,404 |

U.S. Geological Survey

OPEN FILE REPORT OF-77-76-F

This report is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

# COAL RESOURCES OF THE PROPOSED NATIONAL PARK AREA OF THE NEW RIVER GORGE, FAYETTE, RALEIGH, AND SUMMERS COUNTIES, WEST VIRGINIA

By
J.F. Windolph, Jr., T.W. Henry, and K.J. Englund

1977

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