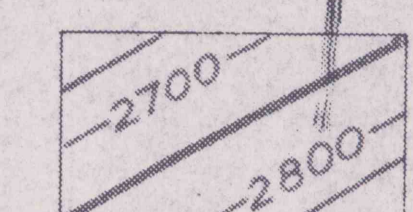


Coal outcrops

uf Upper Freeport coal  
 uk Upper Kittanning coal and underlying  
 Johnston limestone member  
 lk Lower Kittanning coal



Structure contours drawn on  
 horizon of Lower Kittanning  
 coal  
 (contour interval, 50 feet;  
 datum, mean sea level)

■ Coal mine shaft  
 ✕ Coal mine  
 ✕ Country coal bank  
 ✕ Sandstone quarry  
 ✕ Clay or shale pit  
 ✕ Strike and dip of stratified  
 rocks  
 ✕ Dry hole, show of gas

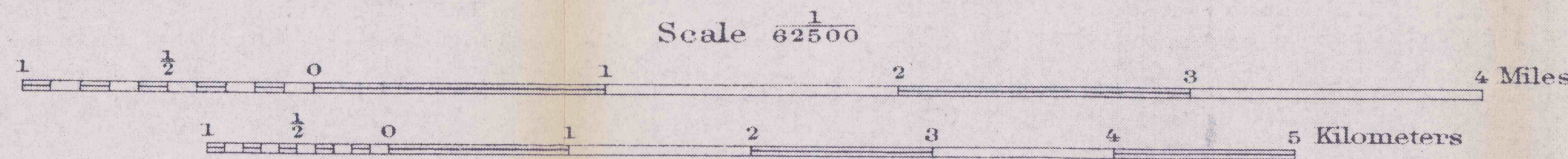
LIST OF COAL MINES

Location indicated on the map by  
 numbers

1. Eureka No. 42
2. Murphy Hill
3. Lochrie No. 1
4. Heckler-Faust
5. Allison
6. Eureka No. 41
7. Eureka No. 36-B
8. Eureka No. 36-C
9. Egolf No. 3
10. Eureka No. 33
11. Eureka No. 34
12. Eureka No. 32
13. Eureka No. 35-B
14. Eureka No. 35-C
15. Eureka No. 31
16. Windber Fuel
17. Eureka No. 30
18. Phillios
19. Paint Creek
20. Reitz No. 5
21. Lehman & Estep
22. Cambria No. 1
23. Cambria No. 2
24. Knickerbocker No. 7-C
25. Knickerbocker No. 7-B
26. Thermal No. 10
27. Thermal No. 9
28. Eureka No. 39-B
29. Eureka No. 39-C
30. Eureka No. 38
31. Maple Ridge No. 3
32. Maple Ridge No. 2
33. Haws No. 2
34. Haws No. 3
35. Haws No. 1
36. Jerome Nos. 1 and 2
37. Hiyasota
38. Eash
39. Pretoria
40. Consolidation No. 116 ? - Head of road
41. Knickerbocker No. 5
42. Knickerbocker No. 6
43. Standard Quemahoning No. 2
44. Standard Quemahoning No. 1
45. Randolph
46. Somerset Creek Nos. 1 and 2
47. Knickerbocker No. 3
48. Old Colony
49. Knickerbocker No. 2
50. Custer
51. Knickerbocker No. 1
52. Elma No. 1
53. Elma No. 2
54. Rowena
55. Knickerbocker No. 4
56. Ralston No. 15
57. Hillcrest
58. Ralston Nos. 8 and 9
59. Bowman No. 2
60. Roy No. 7
61. Bowman No. 1
62. Reading No. 3
63. Reading No. 4
64. Hite No. 1
65. Hite No. 2
66. Sanner
67. Reading No. 2
68. Reading No. 1
69. Ritter No. 1
70. Ritter No. 2
71. Madaira
72. Boswell
73. Big Six
74. Stauffer No. 2
75. Adams No. 1
76. Adams No. 2
77. Stauffer No. 3
78. Hagevo No. 4
79. Hagevo No. 1
80. Arrow No. 1
81. Huskin No. 1
82. Shade Creek No. 3
83. Shade Creek No. 1
84. Arrow Nos. 5 and 6
85. Thermal No. 11
86. Loyal Hanna No. 6
87. Reitz Hanna No. 7
88. Reitz No. 2
89. Reitz No. 1
90. Inez
91. Egolf
92. Reitz No. 4
93. Reitz No. 3-C
94. Reitz No. 3-B
95. Reitz No. 7
96. Huskin No. 3

R. B. Marshall, Chief Geographer.  
 Frank Sutton, Geographer in charge.  
 Topography by Robert Muldrow, Oscar Jones,  
 E. E. Witherspoon, and E. D. Monroe.  
 Control by Geo. T. Hawkins and T. A. Green.  
 Surveyed in 1913-1914.

SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.  
 APPROXIMATE MEAN DECLINATION 1926.



Scale 62500  
 Contour interval 20 feet.  
 Datum is mean sea level.

Edition of Mar. 1934

Geology by G. B. Richardson,  
 Surveyed in 1914.

South Half Of Windber Quad  
 Somerset Co. Pa.  
 Stony Creek Drainage  
 123503

BBI