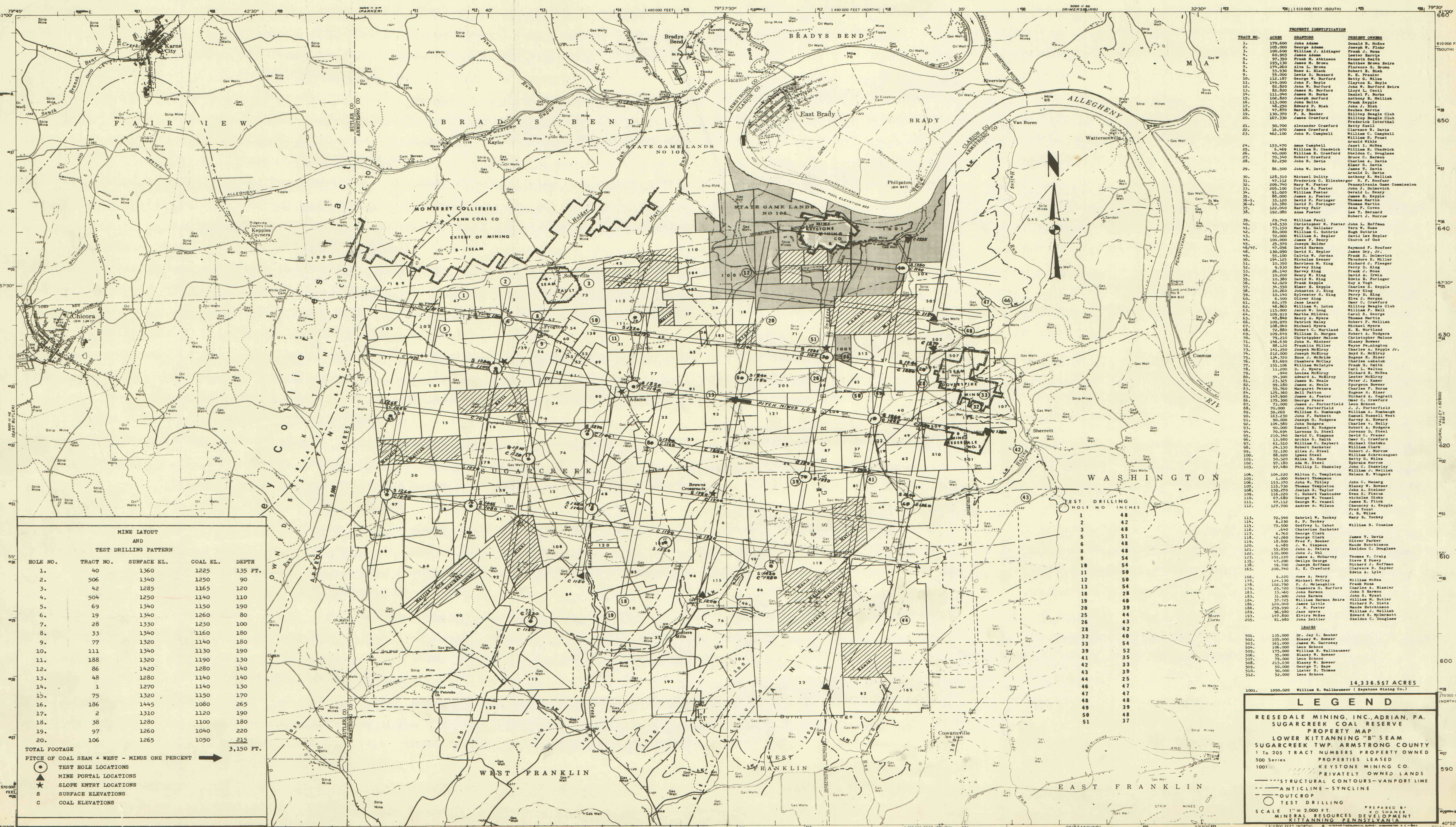




MINE LAYOUT AND TEST DRILLING PATTERN				
HOLE NO.	TRACT NO.	SURFACE EL.	COAL EL.	DEPTH.
1.	40	1360	1225	135 FT.
2.	506	1340	1250	90
3.	42	1285	1165	120
4.	504	1250	1140	110
5.	69	1340	1150	190
6.	19	1340	1260	80
7.	28	1330	1230	100
8.	33	1340	1160	180
9.	77	1320	1140	180
10.	111	1340	1130	190
11.	188	1320	1190	130
12.	86	1420	1280	140
13.	48	1280	1140	140
14.	1	1270	1140	130
15.	75	1320	1150	170
16.	186	1445	1080	265
17.	2	1310	1120	190
18.	38	1280	1100	180
19.	97	1260	1040	220
20.	106	1265	1050	215

TOTAL FOOTAGE
PITCH OF COAL SEAM & WEST - MINUS ONE PERCENT

● TEST HOLE LOCATIONS
▲ MINE PORTAL LOCATIONS
▲ SLOPE ENTRY LOCATIONS
S SURFACE ELEVATIONS
C COAL ELEVATIONS

TEST DRILLING HOLE NO.	INCHES
1	48
2	42
3	48
4	51
5	48
6	48
7	48
8	48
9	54
10	54
11	50
12	50
13	58
14	24
15	40
16	39
17	44
18	43
19	42
20	40
21	35
22	33
23	33
24	25
25	47
26	47
27	47
28	47
29	39
30	37

PROPERTY IDENTIFICATION

TRACT NO.	ACRES	GRANTORS	PRESERVE OWNERS
1.	179.600	John Adams	Donald S. McKee
2.	109.000	George Adams	Joseph W. Zuber
3.	100.600	William J. Aldinger	Frank J. Hone
4.	60.903	James Adams	Lester Harris
5.	97.250	Frank M. Atkinson	Kenneth Smith
6.	195.150	James R. Brown	Matthew Brown Brown
7.	174.260	Alva L. Brown	Florence G. Brown
8.	55.500	Rose A. Black	Robert E. Zuber
9.	55.000	Lewis D. Bussard	R. H. Fraiser
10.	112.187	George E. Burford	Betty G. Wiles
11.	149.000	John F. Boyle	Clayton S. Boyle
12.	82.820	John W. Burford	John W. Burford Heirs
13.	82.820	James W. Burford	Lloyd L. Cecil
14.	111.040	James M. Burke	Daniel F. Burke
15.	100.800	Joseph Burford	Anthony Bellish
16.	113.000	John Boite	Frank Kepple
17.	48.200	Edward F. Bish	John C. Bish
18.	47.870	Mary Bish	Reuben Herrick
19.	130.370	F. R. Bocher	Billtop Meagle Club
20.	167.330	James Crawford	Billtop Meagle Club
21.	50.700	Alexander Crawford	Frederick Interhal
22.	16.970	James Crawford	Betty Bassil
23.	462.100	John H. Campbell	Clarence R. Davis
24.	153.470	Anna Campbell	William C. Campbell
25.	6.469	William S. Chadwick	Arnold Wills
26.	40.000	William E. Crawford	Janet I. McKee
27.	70.340	Robert Crawford	William S. Chadwick
28.	82.250	John H. Davis	Sheldon C. Douglass
29.	86.500	John W. Davis	Bruce C. Barnes
30.	128.310	Michael Dullity	Charles A. Davis
31.	47.112	Frederick C. Ellensberg	James T. Davis
32.	209.740	Mary W. Foster	Anthony S. Wellish
33.	205.100	Charles S. Foster	Anthony S. Wellish
34.	91.020	William Foster	Pennsylvania Game Commission
35.	88.000	James A. Foster	Gerald L. Henry
36.	25.120	David P. Foringer	James R. Kepple
37.	10.380	David P. Foringer	Thomas Morris
38.	125.000	Harvey Fair	Thomas Morris
39.	192.080	Anna Foster	Dean F. Covey
40.	29.740	William Pauli	Lee T. Bernard
41.	140.500	Christopher S. Foster	Robert J. Morrow
42.	73.150	Mary E. Gailhaber	John L. Hoffman
43.	72.000	William S. Hepler	Vern W. Rose
44.	100.000	James F. Herp	Hugh Outback
45.	25.970	Joseph Holder	David Lee Hepler
46.	97.056	David Harmon	Church of God
47.	130.000	David S. Hepler	Raymond F. Hepler
48.	55.100	Calvin S. Jordan	James J. Jr.
49.	191.125	Nicholas Kesser	Frank D. Dolovich
50.	10.350	Harrison M. King	Thodore S. Miller
51.	9.510	Harvey King	Richard J. Plesner
52.	26.140	Harvey King	Perry D. King
53.	10.200	Henry W. King	Frank J. Hone
54.	10.380	David W. King	David A. Jernis
55.	42.000	Frank Kepple	Edwin E. Foringer
56.	34.550	Elmer S. Kepple	Guy A. Vogt
57.	10.260	John S. King	Charles S. Kepple
58.	10.140	Sylvester S. King	Charles S. Kepple
59.	6.500	Oliver King	Perry D. King
60.	60.275	James Leard	Elmer S. Kepple
61.	48.860	William S. Luten	Oscar C. Crawford
62.	115.000	Jacob S. Long	Billtop Meagle Club
63.	109.919	Martha Milder	William S. George
64.	47.840	Henry A. Myers	Carol S. George
65.	109.970	Patrik Mailey	Robert F. Mollish
66.	108.040	William D. Morgner	Robert A. Rodgers
67.	72.880	Robert C. Murland	R. E. Murland
68.	109.049	William D. Morgner	Robert A. Rodgers
69.	79.210	Christopher Malone	Christopher Malone
70.	146.500	John H. Minter	Blaney Brown
71.	88.120	Franklin Miller	Wayne Pennington
72.	181.250	Joseph McElroy	Charles A. Kepple
73.	212.000	Joseph McElroy	Wayne Pennington
74.	181.250	Joseph McElroy	Wayne Pennington
75.	181.250	Joseph McElroy	Wayne Pennington
76.	181.250	Joseph McElroy	Wayne Pennington
77.	181.250	Joseph McElroy	Wayne Pennington
78.	181.250	Joseph McElroy	Wayne Pennington
79.	181.250	Joseph McElroy	Wayne Pennington
80.	181.250	Joseph McElroy	Wayne Pennington
81.	181.250	Joseph McElroy	Wayne Pennington
82.	181.250	Joseph McElroy	Wayne Pennington
83.	181.250	Joseph McElroy	Wayne Pennington
84.	181.250	Joseph McElroy	Wayne Pennington
85.	181.250	Joseph McElroy	Wayne Pennington
86.	181.250	Joseph McElroy	Wayne Pennington
87.	181.250	Joseph McElroy	Wayne Pennington
88.	181.250	Joseph McElroy	Wayne Pennington
89.	181.250	Joseph McElroy	Wayne Pennington
90.	181.250	Joseph McElroy	Wayne Pennington
91.	181.250	Joseph McElroy	Wayne Pennington
92.	181.250	Joseph McElroy	Wayne Pennington
93.	181.250	Joseph McElroy	Wayne Pennington
94.	181.250	Joseph McElroy	Wayne Pennington
95.	181.250	Joseph McElroy	Wayne Pennington
96.	181.250	Joseph McElroy	Wayne Pennington
97.	181.250	Joseph McElroy	Wayne Pennington
98.	181.250	Joseph McElroy	Wayne Pennington
99.	181.250	Joseph McElroy	Wayne Pennington
100.	181.250	Joseph McElroy	Wayne Pennington
101.	181.250	Joseph McElroy	Wayne Pennington
102.	181.250	Joseph McElroy	Wayne Pennington
103.	181.250	Joseph McElroy	Wayne Pennington
104.	181.250	Joseph McElroy	Wayne Pennington
105.	181.250	Joseph McElroy	Wayne Pennington
106.	181.250	Joseph McElroy	Wayne Pennington
107.	181.250	Joseph McElroy	Wayne Pennington
108.	181.250	Joseph McElroy	Wayne Pennington
109.	181.250	Joseph McElroy	Wayne Pennington
110.	181.250	Joseph McElroy	Wayne Pennington
111.	181.250	Joseph McElroy	Wayne Pennington
112.	181.250	Joseph McElroy	Wayne Pennington
113.	72.240	Gabriel W. Tockey	William H. Tockey
114.	6.230	S. P. Tockey	William H. Tockey
115.	75.500	Geoffrey L. Gabot	William H. Tockey
116.	4.440	Chaterine Sachter	William H. Tockey
117.	6.760	George Clark	William H. Tockey
118.	42.240	George Clark	William H. Tockey
119.	18.800	Fred F. Bonner	William H. Tockey
120.	6.480	J. W. Simpson	William H. Tockey
121.	55.850	John A. Peters	William H. Tockey
122.	130.000	John J. Uhl	William H. Tockey
123.	101.240	James A. McCarvey	William H. Tockey
124.	47.000	William George	William H. Tockey
125.	59.700	Joseph Hoffman	William H. Tockey
126.	200.740	S. E. Crawford	William H. Tockey
127.	6.220	John A. Henry	William H. Tockey
128.	124.130	William McCreary	William H. Tockey
129.	102.720	P. J. McCarroll	William H. Tockey
130.	25.720	Chambers D. Burford	William H. Tockey
131.	33.460	John Harmon	William H. Tockey
132.	51.850	John Harmon	William H. Tockey
133.	37.725	William Harmon Heirs	William H. Tockey
134.	120.040	James Little	William H. Tockey
135.	259.990	James Little	William H. Tockey
136.	96.980	James Little	William H. Tockey
137.	147.800	Elvira McKee	William H. Tockey
138.	81.950	John Zeiler	William H. Tockey
139.	135.000	Dr. Jay C. Bonner	William H. Tockey
140.	105.000	Blaney W. Bonner	William H. Tockey
141.	106.000	James H. Garvey	William H. Tockey
142.	161.000	Leon Knoke	William H. Tockey
143.	175.000	William H. Wallhauser	William H. Tockey
144.	59.000	Blaney W. Bonner	William H. Tockey
145.	79.000	Leon Knoke	William H. Tockey
146.	213.030	Blaney W. Bonner	William H. Tockey
147.	50.000	George T. Hays	William H. Tockey
148.	50.000	Lester H. Thomas	William H. Tockey
149.	52.000	Leon Knoke	William H. Tockey

14,336.557 ACRES

1001. 1050.020 William H. Wallhauser (Keystone Mining Co.)

LEGEND

RESEDALE MINING, INC. ADRIAN, PA.
SUGARCREEK COAL RESERVE
PROPERTY MAP
LOWER KITTINGING "B" SEAM
SUGARCREEK TWP. ARMSTRONG COUNTY
1 TO 205 TRACT NUMBERS PROPERTY OWNED
500 Series
1001 Series
KEYSTONE MINING CO.
PRIVATELY OWNED LANDS
STRUCTURAL CONTOURS-VANPORT LINE
ANTICLINE-SYNCLINE
OUTCROP
TEST DRILLING

SCALE 1"=2,000 FT.
MINERAL RESOURCES DEVELOPMENT
KITTINGING PENNSYLVANIA

PREPARED BY
G. O. SHANER