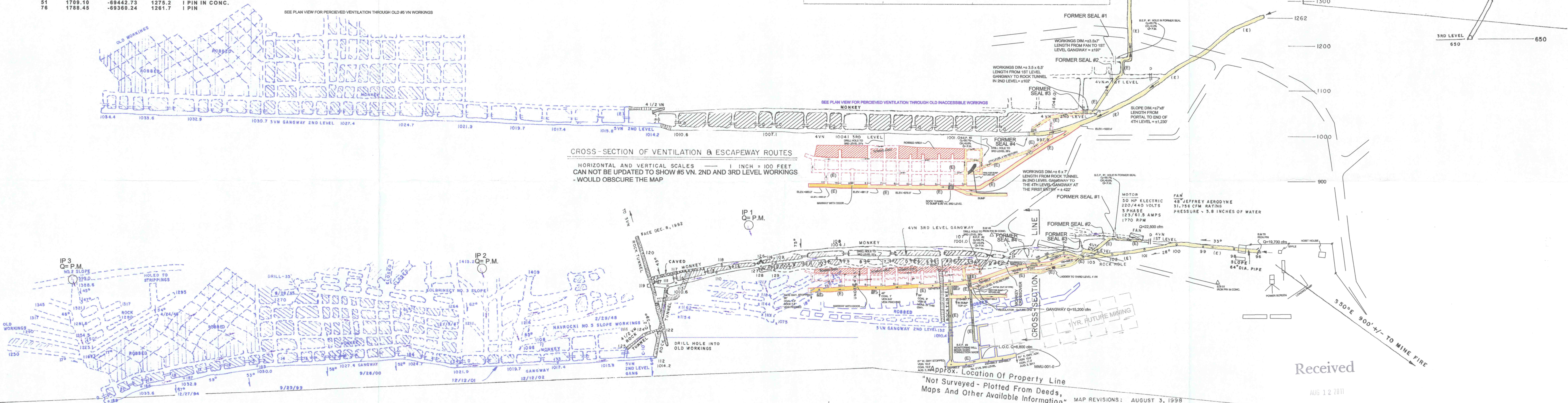


UNDERGROUND CONTROL			
PT.#	Northing(Y)	Eastng(X)	Elev(Z)
98	1788.28	-69414.83	1239.0
99	1782.14	-69484.31	1185.7
100	1782.93	-69543.17	1140.9
101	1758.44	-69614.48	1096.4
102	1739.18	-69684.44	1057.9
103	1725.73	-69746.48	1031.2
104	1730.11	-69789.56	1018.1
105	1717.87	-69825.90	1007.4
106	1704.21	-69843.29	1002.6
107	1688.89	-70019.31	1009.4
108	1655.82	-70288.81	1013.4
109	1628.85	-70421.57	1012.5
110	1590.56	-70550.51	1016.3
111	1547.38	-70652.88	1017.2
112	1587.15	-70681.43	1022.8
113	1555.78	-70634.55	1018.7
116	1625.96	-70429.16	1013.6
117	1576.35	-70640.84	1030.2
118	1607.93	-70540.57	1047.7
119	1556.63	-70692.53	1051.4
120	1611.64	-70718.06	1053.0
122	1449.89	-70650.74	1057.3
124	1435.36	-70689.92	1056.7
125	1397.81	-70727.02	1055.8
126	1627.53	-70456.26	1041.3
127	1617.31	-70453.92	1043.4
128	1607.48	-70451.10	1037.5
129	1611.16	-70424.34	1022.3
131	1677.66	-70056.88	1008.9
132	1538.68	-70035.21	1010.4
133	1344.26	-70877.98	1024.6
134	1310.09	-71094.22	1029.7
184	1314.38	-71212.32	1031.0
185	1257.70	-71539.07	1037.8
187	1210.69	-71700.53	1043.2
188	1181.11	-71791.31	1043.7
189	1140.22	-71858.31	1044.1
190	1722.56	-68787.71	1007.5
192	1703.21	-69815.07	991.1
193	1688.23	-69889.82	943.3
194	1646.06	-69869.20	887.1
197	1621.62	-70070.73	886.9
205	1629.50	-70033.10	887.95
206	1601.15	-70195.13	891.02
214	1602.29	-70027.39	886.85
215	1605.68	-69994.98	874.57
219	1581.18	-70318.43	881.00
230	1452.68	-70007.97	892.12
231	1457.05	-69974.72	890.18
232	1471.35	-69925.79	892.09
233	1479.58	-69896.06	893.02

SURFACE CONTROL			
PT.#	Northing(Y)	Eastng(X)	Elev(Z)
46	1749.99	-69585.12	1372.4
51	1709.10	-69442.73	1275.2
76	1788.45	-69360.24	1261.7

SEE PLAN VIEW FOR PERCEIVED VENTILATION THROUGH OLD #5 VN WORKINGS



CROSS-SECTION OF VENTILATION & ESCAPEWAY ROUTES
HORIZONTAL AND VERTICAL SCALES
CAN NOT BE UPDATED TO SHOW #5 VN, 2ND AND 3RD LEVEL WORKINGS
- WOULD OBSCURE THE MAP

NOTES (MINE OPERATOR - CHRIS KERSTETTER)

- Ventilation information shown hereon provided by the mine operator.
- Coal vein information provided by the mine operator.
- One year projections shown hereon estimated by the mine operator and are subject to change as mining conditions change.
- Information for areas which have been robbed or are inaccessible was provided by the mine operator. These areas have not been surveyed and/or verified.
- The mine workings shown hereon traced from "Plan of Mine And Ventilation" prepared by William J. Messner, P.L.S. and last revised February 21, 1997.

ADDITIONAL NOTES:

- THE JULY 2008 UPDATE HAS REMOVED ALL SEALS INBY THE LABELED SEALS 1-4 IN THE NO. 4 VN. THIS WAS DONE PER MSHA'S REQUEST. IT CAN NOT BE VERIFIED WHETHER OR NOT SEALS EXIST INBY THE PRIMARY SEALS THAT ARE NOTED ON THE MAP.
- THE JULY 2008 REVISION CONTAINS CHANGES TO PREVIOUSLY MAPPED AREAS.
- THE SIGNATURE OF THE OPERATION IS A DIGITAL SIGNATURE, AUTHORIZED TO BE AFFIXED TO THE MAP BY THE OPERATOR.
- IP 1, 2, & 3 ARE SURFACE POINTS WHERE AIR ENTERS OLD #5 VEIN WORKINGS. THE POINTS WERE IDENTIFIED BY OBSERVING AIR VENTILATING FROM THESE LOCATIONS DURING A COLD TIME OF YEAR AND PERCEPTABLE MOTION OF AIR IS OBSERVED WHILE THE VENTILATION FAN IS ON. THESE ARE LOCATIONS WHERE CROP STIP MINING HAS OCCURED ON THE #5 VEIN.
- PRECISE AIRFLOW CAN NOT BE DETERMINED THROUGH OLD #5 VEIN WORKINGS AND INACTIVE LEVELS OF THE #4 VEIN BECAUSE THEY ARE INACCESSIBLE. ARROWS ARE SHOWN TO INDICATE AIR FLOW DIRECTION THROUGH THE WORKINGS THAT MUST EXIST TO SOME EXTENT. IT IS DERIVED THAT SUCH AIR FLOW EXISTS BASED ON PERCEPTABLE MOTION AT INTAKE POINTS AND B.E.P. AIR VOLUME MEASUREMENTS WHILE THE FAN IS RUNNING.
- ADDITIONAL #5 VN, WORKINGS TRACED FROM MAP ENTITLED "OVERLAY MAP OF ALL LEVELS OF NO. 4 & NO. 5 VN." TRACED FROM MAP OF JERRY E. TRUMBARGER, PE, DATED 12-NOV-1991 - MAPPED BY OTHERS

DANGER! There Are Old Mine Workings In This Area!
Old mine workings shown hereon were taken from old available mine maps. As additional old mine maps and information becomes available, mapping shall be updated.
No certification is expressed or implied as to the existence, non-existence, accuracy or locations of old mine workings. The mine operator shall be responsible for verification of the locations of all old mine workings.

LEGEND

- (E) - Escapeway
- Exhaust Fan
- Traverse Station
- Spot Elevation
- Depression
- Temporary Air Battery
- 2" Plank Permanent Air Battery
- 2" Plank Permanent Air Battery With Door
- 2" Plank Permanent Air Battery With Regulator
- Intake Airflow Direction
- Return Airflow Direction
- CFM - Cubic Feet Per Minute
- Open Slope
- Closed Slope
- Overcast
- Gangway
- VN - Vein
- Iron Pin OR INTAKE POINT - AS APPLICABLE
- Elev. - Elevation
- HP - Horse Power
- AMPS - Amperes
- s - Seal
- One-Year Projection of Proposed Workings
- Old Workings Not Located By Actual Field Survey or inaccessible
- Caved

- UPDATED 4 VN WORKINGS THIS MAP (NOT SURVEYED)
- UPDATED 4 VN WORKINGS THIS MAP
- EXISTING & UPDATED 5 VN WORKINGS
- EXISTING 4 VN WORKINGS
- UPDATED 5 VN WORKINGS THIS MAP (NOT SURVEYED)
- ACTIVE MAIN AREAS
- P.M. = PERCEPTABLE MOTION
- VENTILATION DIRECTION - INACCESSIBLE WORKINGS (SEE NOTES 4 & 5)
- REGULATOR

Received

AUG 12 2011

U.S. DEPT. OF LABOR
MSHA
WILKES-BARRE, PA

0' 100' 200' 300'
SCALE: 1" = 100'

MINE MAP
OF THE
BEAR GAP COAL CO.
N&L SLOPE - No. 4, No. 4 1/2, & No. 5 Vn
SOUTH DIP - BIG MOUNTAIN
SITUATE IN
ZERBE TOWNSHIP, NORTHUMBERLAND COUNTY, PA
PA DEP UMP# 49861303

MINE OPERATOR'S CERTIFICATION

I depose and say that the mine ventilation information shown on this map meets the requirement of 30 CFR Part 75.372 and was prepared by me or under my direction for which I accept full responsibility.
Christopher Kerstetter - Partner
THE ABOVE IS A SCANNED ELECTRONIC SIGNATURE
AUTHORIZED TO BE AFFIXED BY THE OPERATOR

SURVEYOR'S CERTIFICATION

I hereby certify that to the best of my knowledge, the areas that I have surveyed are true and correct as to the requirements of 30 CFR Part 75.1200. All other information shown has been derived from the best available information but can not be field checked. Therefore, this surveyor makes no certification to its accuracy. Certification extends to that survey work with which I had personal involvement.
Jason Yarnowski, PLS
JAS J N TARNOWSKI
REGISTERED PROFESSIONAL
LAND SURVEYOR
No 5006302

MAP REVISIONS:
AUGUST 3, 1998
SEPTEMBER 29, 1999
OCTOBER 20, 2000
OCTOBER 17, 2001
DECEMBER 15, 2002
FEBRUARY 13, 2003
MARCH 25, 2003
AUGUST 10, 2003
AUGUST 6, 2004
SEPTEMBER 16, 2004
AUGUST 10, 2005
OCTOBER 5, 2005
SEPTEMBER 13, 2006
AUGUST 14, 2007
FEBRUARY 2, 2008 (SURVEY)
JULY 26, 2008 (SURVEY)
AUGUST 8, 2008 (SURVEY)
AUGUST 2, 2010 (POSTING - INFORMATION FROM OPERATOR)
OCTOBER 13, 2010 (REVISION PER INFORMATION FROM OPERATOR)
AUGUST 2, 2011 (SURVEY)