

**Black Warrior Minerals
Black Warrior Mine 1
Monthly Review
August, 2015
1201 HONEYSUCKLE WAY
33.74106, -86.85775**

| # | Date | Time | Shot Location | Distance | Scaled Distance | Max lbs | PPV (in/s) | Freq (Hz) | Overpressure (dBL) |
|------------|------------|-------|---------------|----------|-----------------|---------|--------------------|------------------|--------------------|
| 1 | 08/04/2015 | 11:47 | Mary Lee | 2618 | 93.0 | 792.6 | 0.06 | 15.0 | 110 |
| 2 | 08/05/2015 | 10:22 | Blue Creek | 1854 | 192.2 | 93.1 | < 0.04 | - | < 130 |
| 3 | 08/07/2015 | 13:45 | Blue Creek | 1055 | 34.7 | 924.6 | 0.16 | 19.6 | 115 |
| 4 | 08/10/2015 | 9:15 | Blue Creek | 1830 | 177.5 | 106.3 | < 0.04 | - | < 130 |
| 5 | 08/11/2015 | 09:45 | Mary Lee | 967 | 32.8 | 871.8 | 0.14 | 11.6 | 115 |
| 6 | 08/12/2015 | 13:25 | Mary Lee | 849 | 33.6 | 640.7 | 0.12 | 23.2 | 115 |
| 7 | 08/14/2015 | 13:07 | Mary Lee | 2711 | 89.2 | 924.6 | 0.04 | 20.4 | 110 |
| 8 | 08/17/2015 | 09:26 | Mary Lee | 721 | 36.6 | 388.6 | 0.16 | 22.2 | 119 |
| 9 | 08/18/2015 | 13:26 | New Castle | 2238 | 59.3 | 1426.9 | < 0.04 | - | < 130 |
| 10 | 08/19/2015 | 12:41 | Mary Lee | 637 | 26.4 | 581.4 | 0.27 | 16.0 | 117 |
| 11 | 08/20/2015 | 13:54 | Blue Creek | 1199 | 164.0 | 53.5 | 0.26 | 21.3 | 120 |
| 12 | 08/24/2015 | 09:04 | New Castle | 2451 | 66.2 | 1373.3 | 0.04 | 8.9 | 111 |
| 13 | 08/24/2015 | 13:48 | Mary Lee | 2695 | 94.2 | 819 | < 0.04 | - | < 130 |
| 14 | 08/25/2015 | 10:55 | New Castle | 2909 | 123.5 | 555.1 | < 0.04 | - | < 130 |
| 15 | 08/26/2015 | 12:36 | Mary Lee | 2828 | 98.9 | 819 | < 0.04 | - | < 130 |
| 16 | 08/27/2015 | 13:33 | Mary Lee | 1934 | 69.9 | 766.2 | 0.06 | 16.5 | 117 |
| 17 | 08/31/2015 | 14:43 | Mary Lee | 1934 | 69.9 | 766.2 | 0.05 | 36.5 | 123 |
| MAX | | | | | | | 0.27 (in/s) | 123 (dBL) | |