COMMONWEALTH OF VIRGINIA VIRGINIA DEPARTMENT OF ENERGY MINED LAND REPURPOSING

3405 MOUNTAIN EMPIRE ROAD; BIG STONE GAP, VA 24219

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# ANALYSIS - Premining vs Postmining Productivity Comparison (Hayland/Pasture Land Use)

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| --- | --- |
| **Company:** | **Permit Number:** |

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| --- | --- | --- | --- | --- | --- | --- |
| **PREMINING PRODUCTIVITY (Projected)** | | | | | | |
| **U.S. Natural Resources Conservation Service -** | | | | | | |
| **Soil Series:** | | | | | | |
| **Productivity Levels**: |  | animal unit months |  | tons of hay per acre |  | level of management. |
|  |  |  |  |  |  | (low, medium, or high) |
| (The recommended standards are listed on Page 2 of this form.) | | | | | | |

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| **POSTMINING PRODUCTIVITY (Demonstrated by one or more of the practices listed below.)** | | | | | | | | | | |
| **Grazing Record** | | | | | | | | | | |
| **Total Acreage Grazed**: | |  | | |  | Number of Months Grazed per Year: | | |  | |
| Date Grazing Began: | |  |  | Date Grazing Ended: | |
| Number of Animals: | |  |  | Type of Animals: | |
| **Hay Production** | | | | | | | | | | |
| **Total Acreage Harvested**: | | | |  | | | Date(s) of Harvesting: | | |  |
| Number of Round Bales: | | | |  |  |  |  | | |
| Weight per Round Bale: | | | |  |  |  |
| Number of Square Bales: | | | |  |  |  |  |
| Weight per Square Bale: | | | |  |  |  | **Average Weight per Acre**: | | |  |
| **Test Plot Results** | | | | | | | | | | |
| Number of Plots: |  | | | | | Size of Plots Sampled: | |  | | |
| Results: |  | | dry weight in tons. | | |  | | | | |

# Comments:

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| --- | --- |
| **Person Conducting Analysis** | **Date**: |
| **DMLR Reviewer** | **Date**: |

Mined Land Repurposing

**Analysis - Premining vs. Postmining Productivity Comparison**

**Standards for Premining Productivity**

The following table provides the recommended standards for premining productivity. These standards were developed in a cooperative effort by the Department of Mines, Minerals and Energy, Maxim Engineering, and the Natural Resources Conservation Service. Questions concerning this list should be directed to the Division’s Agronomist (276) 523-8100.

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| --- | --- | --- | --- |
| **Soil Series** | **Animal Units Months** | **Tons/Hay/Acre\*** | **Level/Management** |
| Allegheny | 4 | 2 | Low to Medium |
| Atkins | 4 | 2 | Low to Medium |
| Berks Silt Loam | 3 | 1.5 | Low to Medium |
| Cedarcreek | 2 | 1 | Low to Medium |
| Cloverlick | 3 | 1.5 | Low to Medium |
| Cotaco | 3 | 1.5 | Low to Medium |
| Craigsville Cobbly Loam | 2 | 1 | Low to Medium |
| Dekalb Sandy Loam | 2 | 1 | Low to Medium |
| Dismal | 1 | 0.5 | Low to Medium |
| Fiveblock | 2 | 1 | Low to Medium |
| Gilpin Silt Loam | 4 | 2 | Low to Medium |
| Grigsby | 5 | 2.5 | Low to Medium |
| Highsplint | 3 | 1.5 | Low to Medium |
| Itman | 1 | 0.5 | Low to Medium |
| Jefferson Loam | 3 | 1.5 | Low to Medium |
| Kaymine | 2 | 1 | Low to Medium |
| Laidig Loam | 2 | 1 | Low to Medium |
| Lily Loam | 3 | 1.5 | Low to Medium |
| Lindside-Newark | 4 | 1.5 | Low to Medium |
| Marrowbone | 3 | 1.5 | Low to Medium |
| Matewan | 2 | 1 | Low to Medium |
| Philo | 5 | 2.5 | Low to Medium |
| Pineville | 4 | 2 | Low to Medium |
| Pope Gravelly Loam | 6 | 2.5 | Low to Medium |
| Purdy Silty Loam | 2 | 1 | Low to Medium |
| Ramsey | 1 | 0.5 | Low to Medium |
| Sewell | 2 | 1 | Low to Medium |
| Shelocta Silt Loam | 4 | 2 | Low to Medium |
| Stonecoal | 1 | 0.5 | Low to Medium |
| Weikert | 2 | 1 | Low to Medium |
| Westmoreland | 4 | 2 | Low to Medium |
| Wharton | 4 | 2 | Low to Medium |
| Zoar Silt Loam | 4 | 2 | Low to Medium |

\* Project the second cutting for forage at 35% of the initial cutting.