

**Overburden and Coal Production at White Oak Mine
(from Lodestar production records)**

Month	Month Number	Overburden removed (BCY)	Lower Seam Coal Removed (tons)*	Lower Seam Coal Removed (BCY)**	Total cy capacity of backfilled pits
Dec-01	1	12,692	10,880	11,513	24,205
Jan-02	2	54,152	20,440	21,630	75,782
Feb-02	3	151,265	20,200	21,376	172,641
Mar-02	4	78,520	15,426	16,324	94,844
Apr-02	5	78,000	20,290	21,471	99,471
May-02	6	65,112	12,860	13,608	78,720
Jun-02	7	68,941	15,603	16,511	85,452
Jul-02	8	92,588	12,202	12,912	105,500
Aug-02	9	83,248	14,412	15,251	98,499
Sep-02	10	118,453	6,708	7,098	125,551
Oct-02	11	145,519	14,952	15,822	161,341
Nov-02	12	136,474	11,819	12,507	
Dec-02	13	140,975	-	-	
Jan-03	14	108,529	-	-	

Total BCY spoil mined: 1,334,468

15% swell factor

1,534,638 loose cu. yds total mined

Started backstacking in Feb. 2002

Entire areas mined in months 1-7, backstacked +25% (80% of what is there will stay)
788,894 cu. yds.

Lower seam areas mined in months 8-11 bacstacked to 67%
327,261 cu. yds.

Approximate total loose cubic yards in temporary spoil pile:
418,484

Approximate total loose cubic yards not in approximate location for final grading:
576,262

*From D. Miller, 2/4/03 based on production reports
** From End of Year map provided by D. Miller, 2/4/03

Assumptions:

15% swell factor for overburen materials; provided by D. Miller, Lodestar
coal density = 70 lb/cu. ft. in place; SME Mining Engineering Handbook, 2nd Edition Volume 2 p. A-32
for conservative estimate of what's on the ground, overburden amounts for months 9, 10, 11 assumed to all have come from lower pits