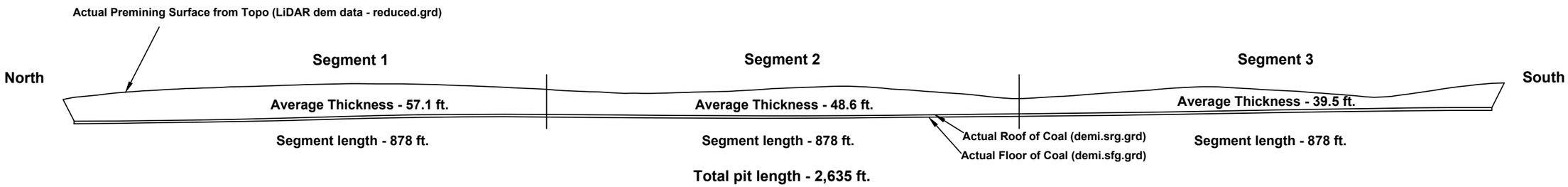
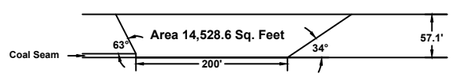
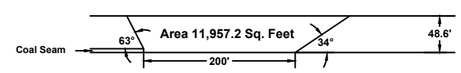
Worst Case Pit



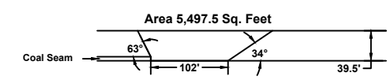
Segment 1
Cross Section
Average Thickness - 57.1 ft.

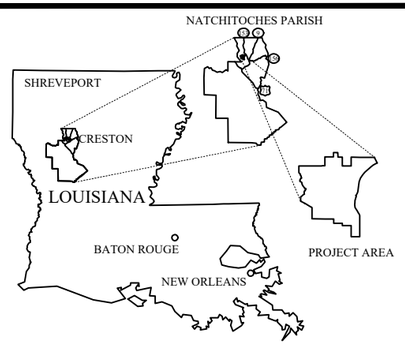


Segment 2
Cross Section
Average Thickness - 48.6 ft.



Segment 3
Cross Section
Average Thickness - 39.5 ft.





Notes

1. Total pit length taken from Appendix 2715-1, Table 2
2. Segment length is total pit length divided by 3
3. Approximate total bank cubic yards using the cross section method can be found by the using the following steps:
   a. Area of Segment 1 cross section times the length of Segment 1 divided by 27 (878 ft x 14,528.6 ft^2 / 27) = 472,448.5 yd^3
   b. Area of Segment 2 cross section times the length of Segment 2 divided by 27 (878 ft x 11,957.2 ft^2/ 27) = 388,830.4 yd^3
   c. Area of Segment 3 cross section times the length of Segment 3 divided by 27 (878 ft x 5,497.5 ft^2/ 27) = 178,770.6 yd^3
   d. Add all three Segments together 472,448.5 + 388,830.4 + 178,770.6 = 1,040,049.5 bank cubic yards*

*Approximate value using the cross section method. Volumes used for the bond calculation utilize Carlson software.

Revised Date	By
11/2016	MNL
03/2019	MNL
01/2020	DKJ
04/2020	DKJ

FIVE FORKS MINE
NATCHITOCHES PARISH, LA
TOWNSHIP 12 NORTH
RANGE 7 WEST

Exhibit 2715-2
Worst Case Pit Sections

Drawn By: MNL Date: FEB 2016
Approved: MNL Date: MAY 2020

Scale: 1" = 200'