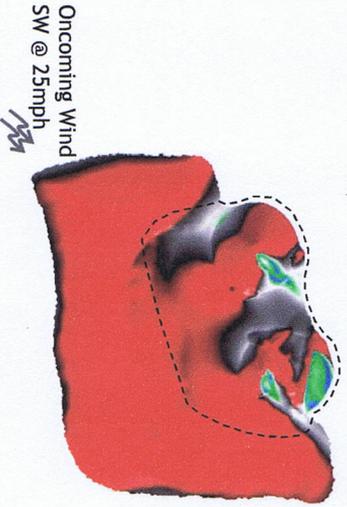
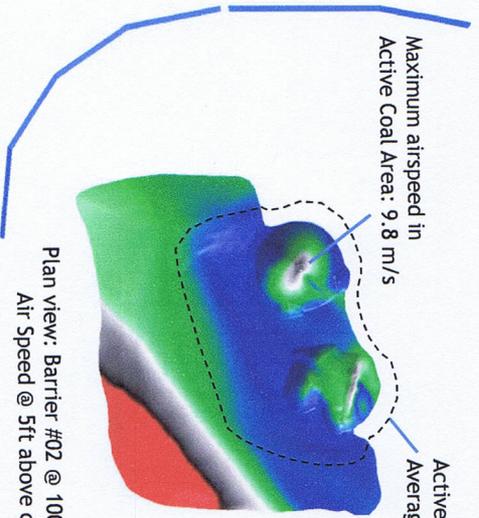


SW Wind @ 25mph



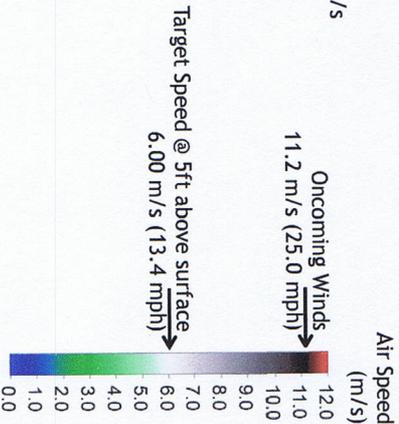
Plan view: NO BARRIER
Air Speed @ 5ft above coal surface

Perspective View: NO BARRIER
Reverse-path streamlines of air reaching 5ft above coal surface



Plan view: Barrier #02 @ 100ft tall
Air Speed @ 5ft above coal surface

Perspective View: Barrier #02 @ 100ft tall
Reverse-path streamlines of air reaching 5ft above coal surface



Wind Speeds @ 5ft above coal surface with 25mph oncoming wind

Wind Direction	No Barrier		Barrier #02/100ft	
	Average	Max	Average	Max
W	12	21	2.3	8.8
WSW	12	20	2.3	7.9
SW	12	21	3.7	16
Active Coal Area				
W	11	21	1.3	6.6
WSW	12	20	1.7	6.4
SW	11	21	1.9	9.8

Barrier # 02 Detail Sketch

