

Stray Currents

Stray current measurements were taken at various locations along Ducketts Lane, in the Pine Ridge community and in the Marble Hill community. Measurements were taken at nine (9) sites, separated into three (3) sections; Ducketts Lane, Pine Ridge and Marble Hill. The sites closest to the BGE cathodically protected pipeline experienced the highest potential shifts, shown previously in Figure 3.

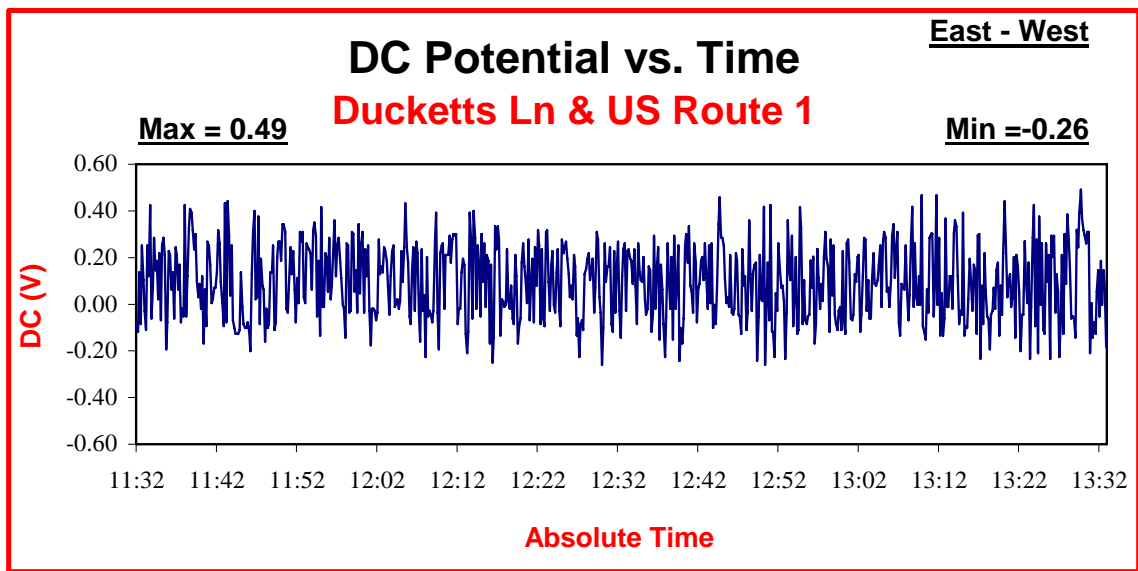
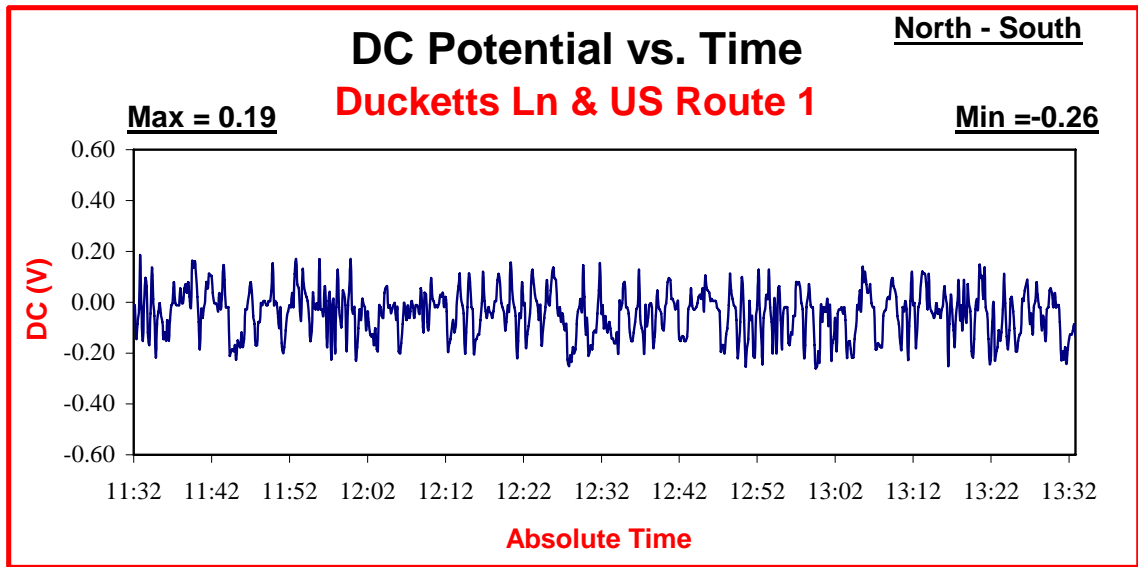
Ducketts Lane

Stray current measurements were taken at three (3) locations along Ducketts Lane:

1. Ducketts Lane and U.S. Route 1, Figure 30 and Figure 31
2. Ducketts Lane and Branch C of Marble Hill, Figure 32 and Figure 33
3. Ducketts Lane and Kyle Leaf Court, Figure 34 and Figure 35



Figure 30 - Stray Current Testing on Ducketts Lane and U.S. Route 1



Location:	Ducketts Lane & US Route1 SW corner	
GPS Location:	N 39° 11.826', W 76° 44.559'	
	North-South	East-West
Date:	10/20/2006	10/20/2006
Time:	11:32:12	11:32:12
Maximum (V):	0.19	0.49
Minimum (V):	-0.26	-0.26
DC Potential Shifts (V):	0.45	0.75

Figure 31 - Stray Current Result for Ducketts Lane and U.S. Route 1