

**Exhibit 15-F-47**  
**Summary of WVBE Measured Conductivity Data**

WVBE          610 kHz          N. Lat: 37 18 11    W. Lon: 80 02 33

All distances are in kilometers (US metric curves)  
 All distances are cumulative.

Bearing	Region		Region		Region		Region	
	Cond	Dist	Cond	Dist	Cond	Dist	Cond	Dist
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# 5.5	1.0	15.0	0.5	45.0	0.1	52.3		
# 20.5	1.0	15.0	0.5	63.2				
# 40.5	1.5	30.0	2.0	50.0	1.25	80.0	0.75	104.9
% 53.5	2.5	28.1	0.75	155.1				
# 73.5	2.5	12.0	1.5	30.0	1.0	143.2		
& 81.0	2.0	23.6						
* 101.0	2.0	25.0	1.8	48.0	2.0	60.0	1.5	141.5
* 120.0	0.5	3.0	1.5	18.0	1.0	70.0	1.5	193.8
* 133.0	1.5	7.0	3.0	13.0	1.0	130.0	1.5	191.8
* 143.0	1.5	14.0	1.0	100.0	1.5	199.7		
* 160.0	1.0	5.0	1.5	11.0	1.0	183.1		
* 170.0	2.0	15.0	1.0	27.0	0.5	60.0	1.0	175.0
	1.5	192.5						
* 190.0	3.0	6.0	2.0	10.0	1.0	20.0	0.5	104.3
* 205.0	1.5	10.0	0.8	25.0	0.5	70.0	0.1	90.6
* 225.0	0.5	20.0	0.1	102.4				
* 238.0	10.0	10.0	2.0	65.0	1.5	182.3		

Exhibit 15-F-47 (cont.)  
Summary of WVBE Measured Conductivity Data

Bearing	Region		Region		Region		Region	
	Cond	Dist	Cond	Dist	Cond	Dist	Cond	Dist
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\$ 260.0	2.0	49.6						
* 268.0	3.0	10.0	1.3	33.0	1.0	80.0	0.5	115.0
	0.1	127.5						
# 288.0	1.5	10.0	0.8	20.0	0.5	45.0	0.25	99.9
# 297.2	1.5	9.0	0.5	30.0	0.25	90.0	0.1	99.5
# 310.0	4.0	4.0	1.0	12.0	0.5	100.0	0.1	123.8
# 320.0	1.5	8.0	0.1	20.0	0.5	60.0	0.1	127.1
# 340.0	1.0	10.0	0.5	21.0	0.1	121.5		
# 355.0	0.5	30.0	0.1	74.7				

Measurement Key:

- \* - 2004 measurements by H. Allen Boaz Jr.
- # - 2005-2006 measurements by H. Allen Boaz Jr. and/or R. M. Burrow Jr.
- & - 1951 night proof bearing data
- % - May 2006 extension of 1951 night proof bearing measured by R. M. Burrow Jr.
- \$ - Jan. 2004 measurements by Josh Arritt for WVBE