

# **APPENDIX A**

Summary of Measurement Data

**TABULATION OF MEASURED CONDUCTIVITY DATA  
PROPOSED WESX - SAUGUS, MASSACHUSETTS  
1230 kHz - 0.45 kW - ND-1-U**

STATION WLYN - LYNN, MASSACHUSETTS

<u>Source</u>	<u>Azimuth (deg. T.)</u>	<u><math>\sigma</math> (mS/m)</u>	<u>Distance From Transmitter to End of Conductivity (km)</u>
See Appendix B	10.0	1.5	17.0
		1.0	51.3
See Appendix B	30.0	1.5	3.4
		1.0	27.5
See Appendix B	50.0	1.5	13.5
		3.0	23.5
		0.5	38.1
See Appendix B	150.0	3.0	12.0
		10.0	32.0
		4.0	40.0
		0.5	52.1
See Appendix B	160.0	3.0	6.0
		10.0	30.2
		4.0	54.0
		3.0	80.0
See Appendix B	175.0	3.0	5.0
		15.0	16.0
		10.0	34.0
		5.0	67.1
See Appendix B	190.0	6.0	12.5
		8.0	34.0
		3.0	61.2
See Appendix B	230.0	4.0	15.0
		3.0	21.0
		1.5	30.0
		0.1	77.2
See Appendix B	250	1.0	30.0
		0.1	64.7
See Appendix B	270	1.5	24.0
		1.0	70.8

**TABULATION OF MEASURED CONDUCTIVITY DATA  
PRESENT WESX - SALEM, MASSACHUSETTS  
1230 kHz - 1.0 kW - ND-1-U**

STATION WESX - SALEM, MASSACHUSETTS

<u>Source</u>	<u>Azimuth (deg. T.)</u>	<u><math>\sigma</math> (mS/m)</u>	<u>Distance From Transmitter to End of Conductivity (km)</u>
See Appendix B	10.0	2.0	21.6
See Appendix B	30.0	3.0	5.6
		2.0	7.5
		1.5	14.7
See Appendix B	50.0	10.0	10.4
		5.0	15.0
		2.0	19.0
		1.5	25.3
See Appendix B	165.0	1.0	1.3
		0.1	17.0
		30.0	32.8
		15.0	35.0
		10.0	42.7
		6.0	50.5
		4.0	74.4
See Appendix B	230.0	2.0	12.0
		5.0	27.0
		3.0	34.0
		1.5	63.0
		1.0	80.6
See Appendix B	250.0	3.0	7.5
		2.0	11.0
		1.5	46.8
See Appendix B	270.0	3.0	10.0
		2.0	24.0
		1.5	52.0

**TABULATION OF MEASURED CONDUCTIVITY DATA  
WBUR - WEST YARMOUTH, MASSACHUSETTS  
1240 kHz - 1.0 kW - ND-1-U**

STATION WBUR - WEST YARMOUTH, MASSACHUSETTS

<u>Source</u>	<u>Azimuth (deg. T.)</u>	<u><math>\sigma</math> (mS/m)</u>	<u>Distance From Transmitter to End of Conductivity (km)</u>
See Appendix B	280.0	8.0	4.4
		5.0	7.2
		1.5	37.0
See Appendix B	305.0	1.0	1.9
		3.0	3.0
		1.5	35.4
See Appendix B	325.0	1.0	12.8