Figure 23. EMC Land-1
conductivity cross-sections

EMC - Land #1 Parallel Line (20 ft West of canal bank)

EMC - Land #1 Perpendicular Line

EMC-Land-1
-114.6785222W 32.5939084N

<12% Fines

Conductivity (mS/m)

0 20 40
Lateral Scale (ft)

Distance West of Canal Bank at Sta 7800 (ft)

Approx. Distance North of Harris Lateral (ft)

Depth referenced to canal road level

Depth referenced to field level
Figure 24. EMCLand-2 conductivity cross-sections
Figure 25. Mohave Lateral survey area

Basemap Source: U.S. Census Bureau 2007 TIGER/Line shapefiles

Mohave Lateral
Figure 26: Mohave Lateral average conductivity and land resistivity locations

2 6 10 20 30 40 50 60 70 80 90 100 200 300 400 500
Conductivity (mS/m)

Average conductivity from bottom of canal to 10 feet below bottom

Basemap Source: U.S. Census Bureau 2007 TIGERLine Shapefiles

Mohave Lateral
A B C D E F G H

Land Resistivity Location
Figure 27. Mohave Lateral conductivity cross-section (part 1 of 3)

Mohave Lateral (Section A)

Mohave Lateral (Section B)

Mohave Lateral (Section C)

Mohave-Land-1

Depth referenced to canal water surface

<12% Fines
Figure 28. Mohave Lateral conductivity cross-section (part 2 of 3)

Mohave Lateral (Section D)

Mohave Lateral (Section E)

Mohave Lateral (Section F)

Depth referenced to canal water surface

<12% Fines

Conductivity (mS/m)

5x Vertical Exaggeration
Figure 29. Mohave Lateral conductivity cross-section (part 3 of 3)
Mohave - Land #1 Parallel Line (on road 10 ft west of canal bank)

Mohave - Land #1 Perpendicular Line (along crop row)

Depth referenced to canal road level

Depth referenced to field level

Approx. Distance North of Lateral (ft)

Distance NW of Canal Bank at Sta 750 (ft)

Mohave-Land-1

-114.3344706W 32.7728252N

<12% Fines

Conductivity (mS/m)

Lateral Scale (ft)

Figure 30. Mohave Land-1 conductivity cross-sections
Figure 31. Mohave-Land-2 conductivity cross-sections
Figure 32. East Highline Canal (north)

Basemap Source: U.S. Census Bureau 2007 TIGER/Line shapefiles

Marine Resistivity Survey Line
Figure 33. East Highline Canal (south) survey area

Basemap Source: U.S. Census Bureau 2007 TIGERLine shapefiles

Marine Resistivity Survey Line
Figure 34. East Highline (north) average conductivity and land resistivity locations

Average conductivity from bottom of canal to 10 feet below canal

Baseline Source: U.S. Census Bureau 2007 TIGER/Line Shapefiles
Figure 35. East Highline (south) average conductivity and land resistivity locations