



Figure 1. Canal locations

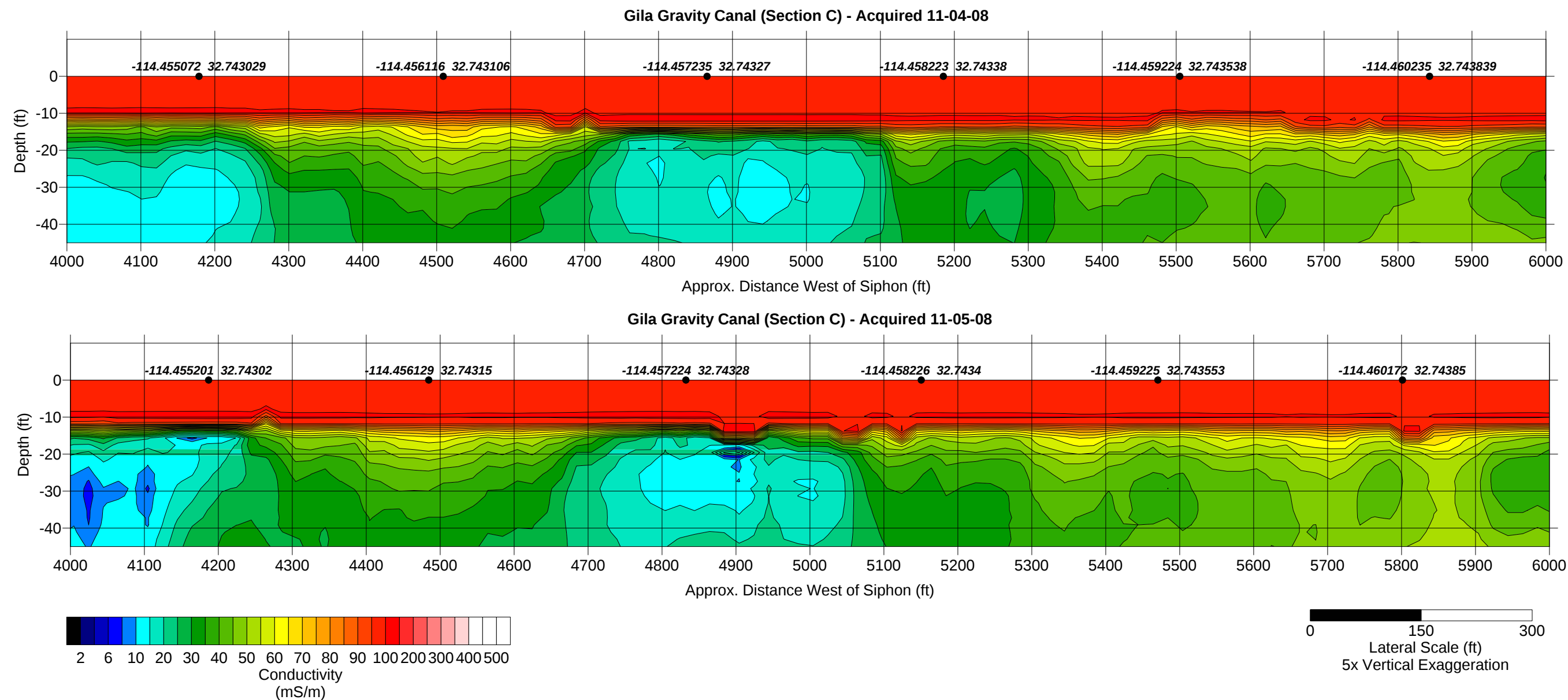


Electrode Array



Resistivity meter
GPS
Echo Sounder
Batteries

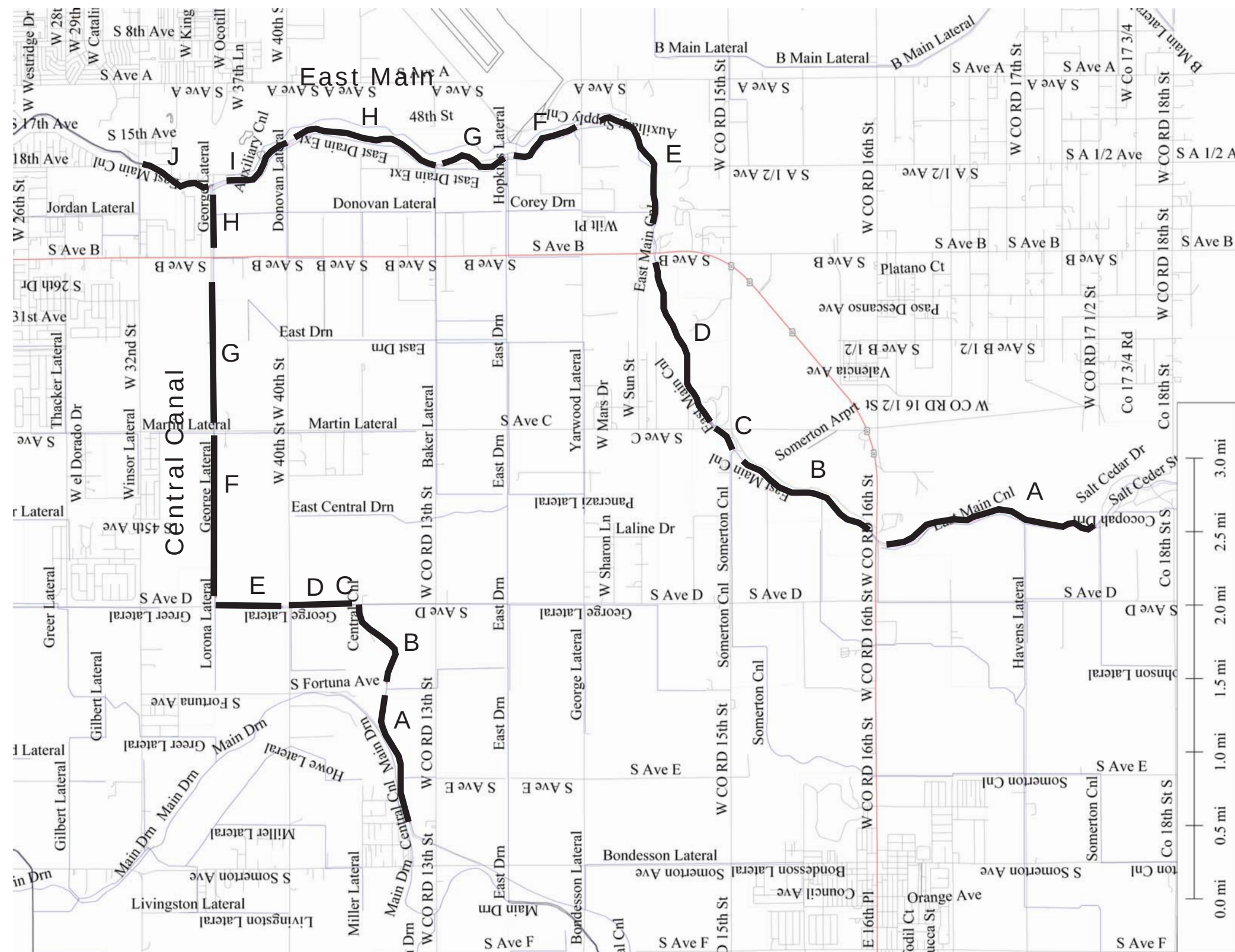
Figure 2. Marine survey
equipment layout



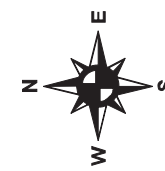
Quality control comparsion along same survey line

- Data acquired on different days
- Slight variations in electrode position are possible
- Data modeled separately

Figure 3. Repeatability of data



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



Marine Resistivity
Survey Line

Figure 4. East Main and Central Canal survey area

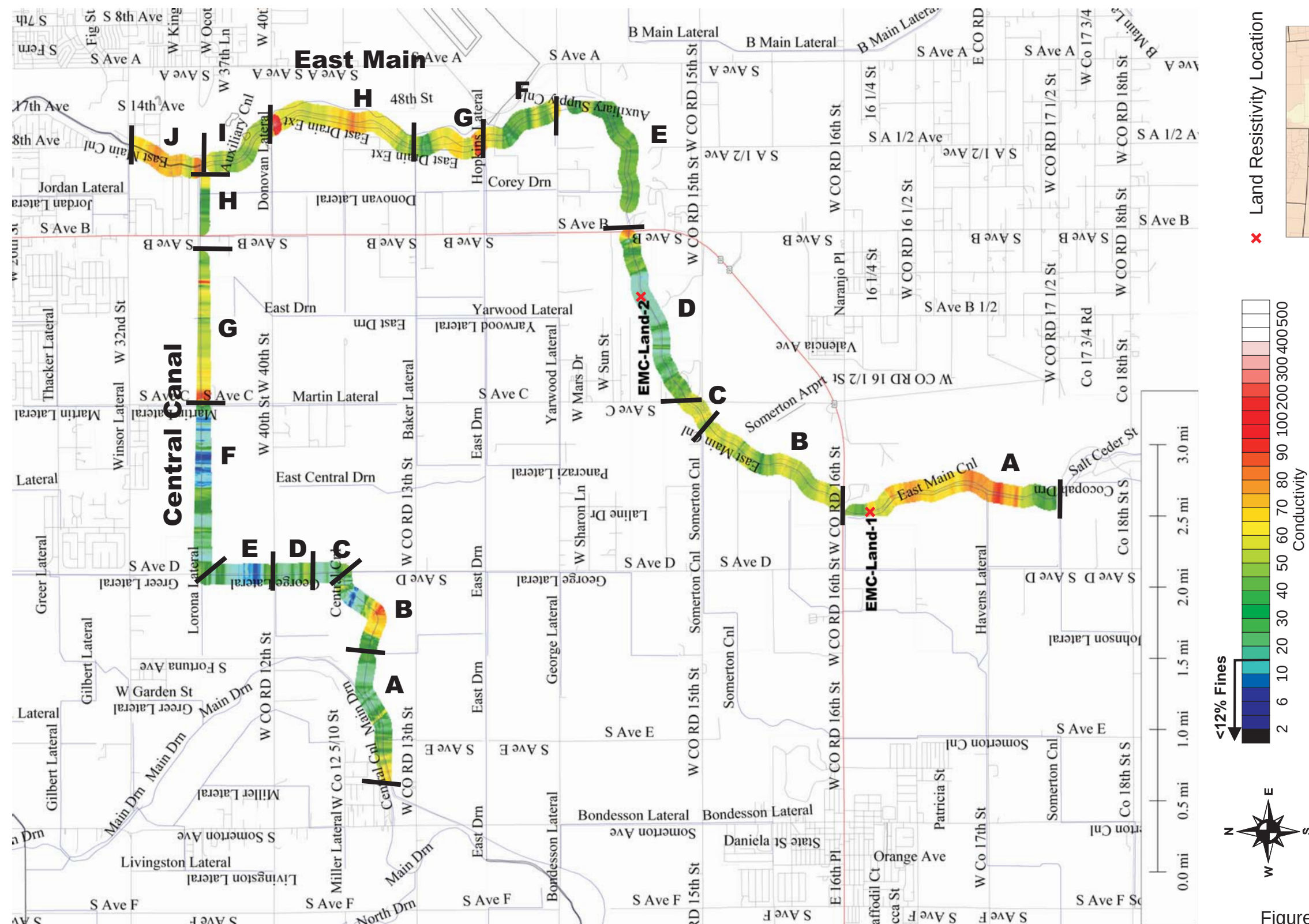


Figure 5. East Main and Central Canal average conductivity and land resistivity locations

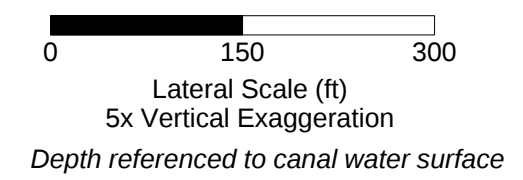
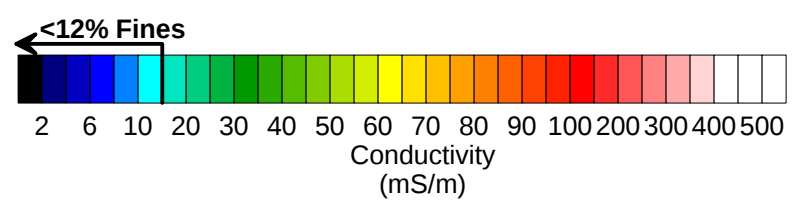
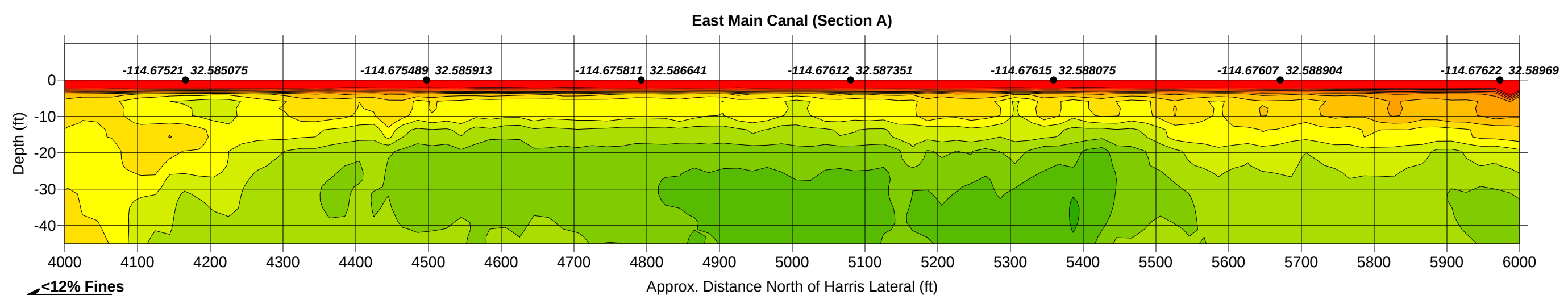
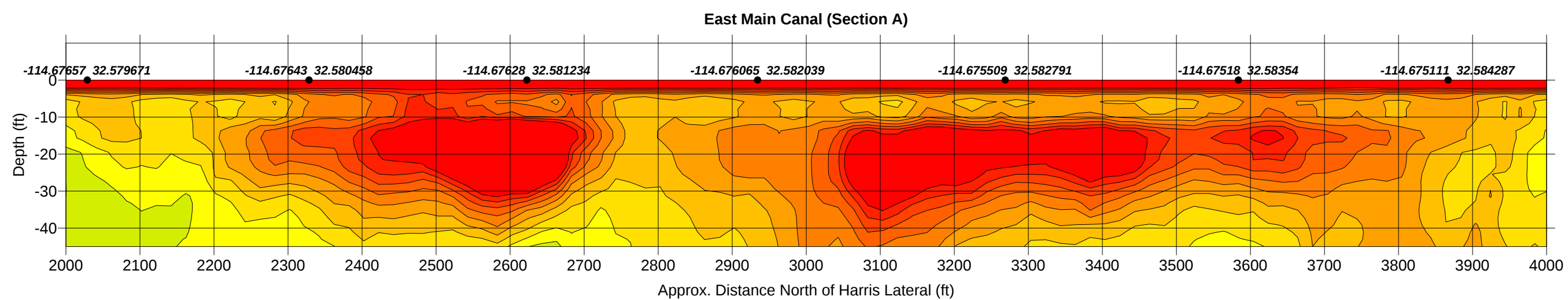
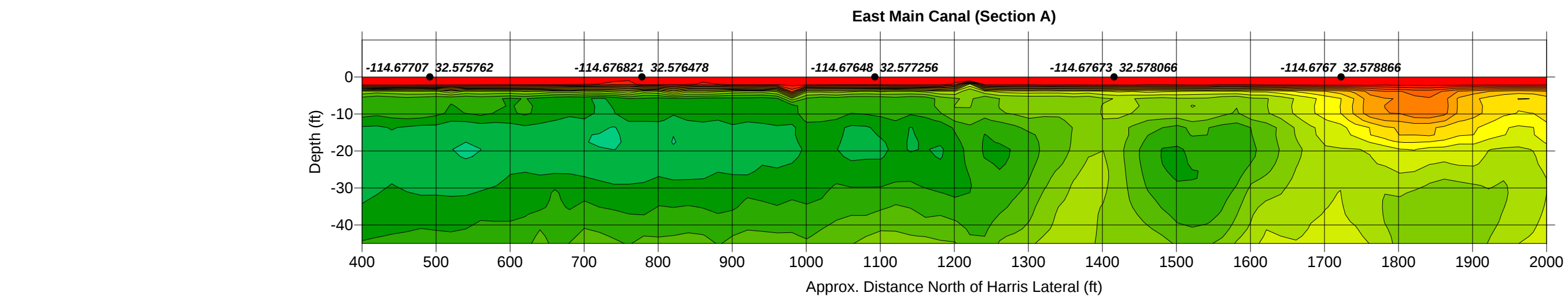


Figure 6. East Main Canal conductivity cross-section (part 1 of 11)

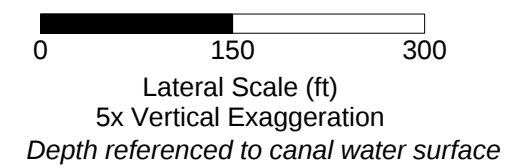
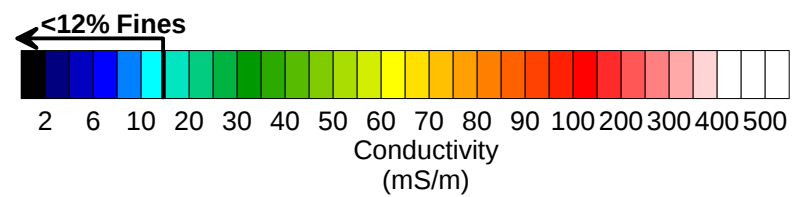
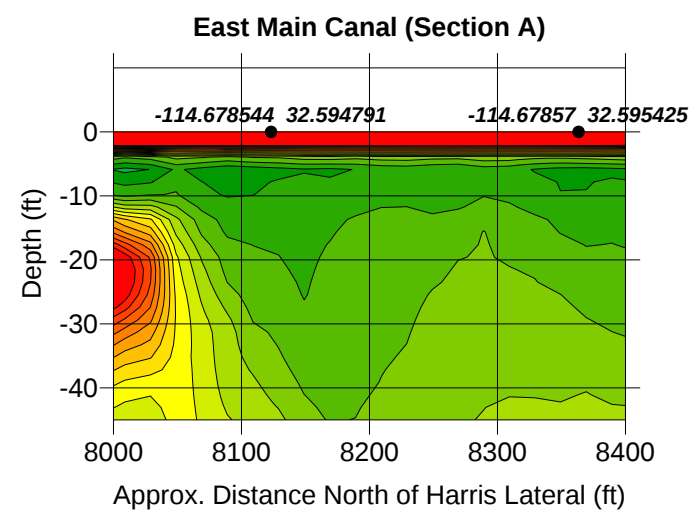
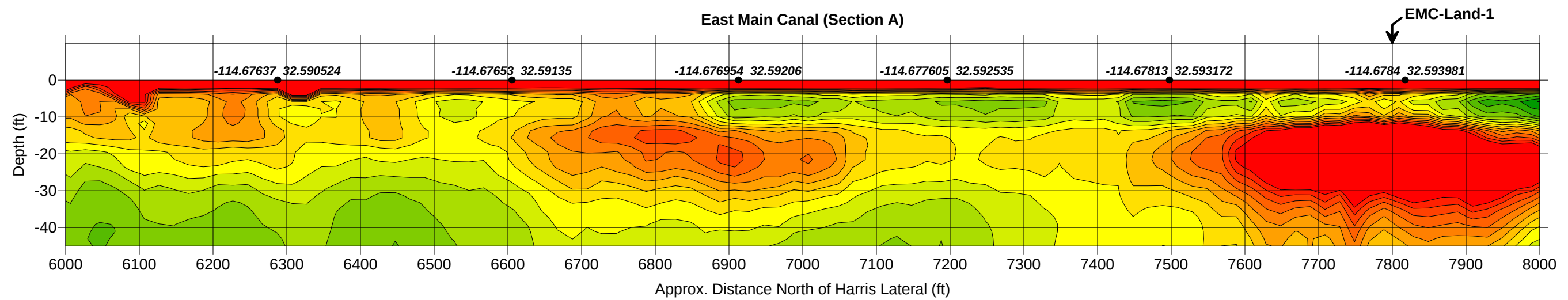


Figure 7. East Main Canal
 conductivity cross-section
 (part 2 of 11)

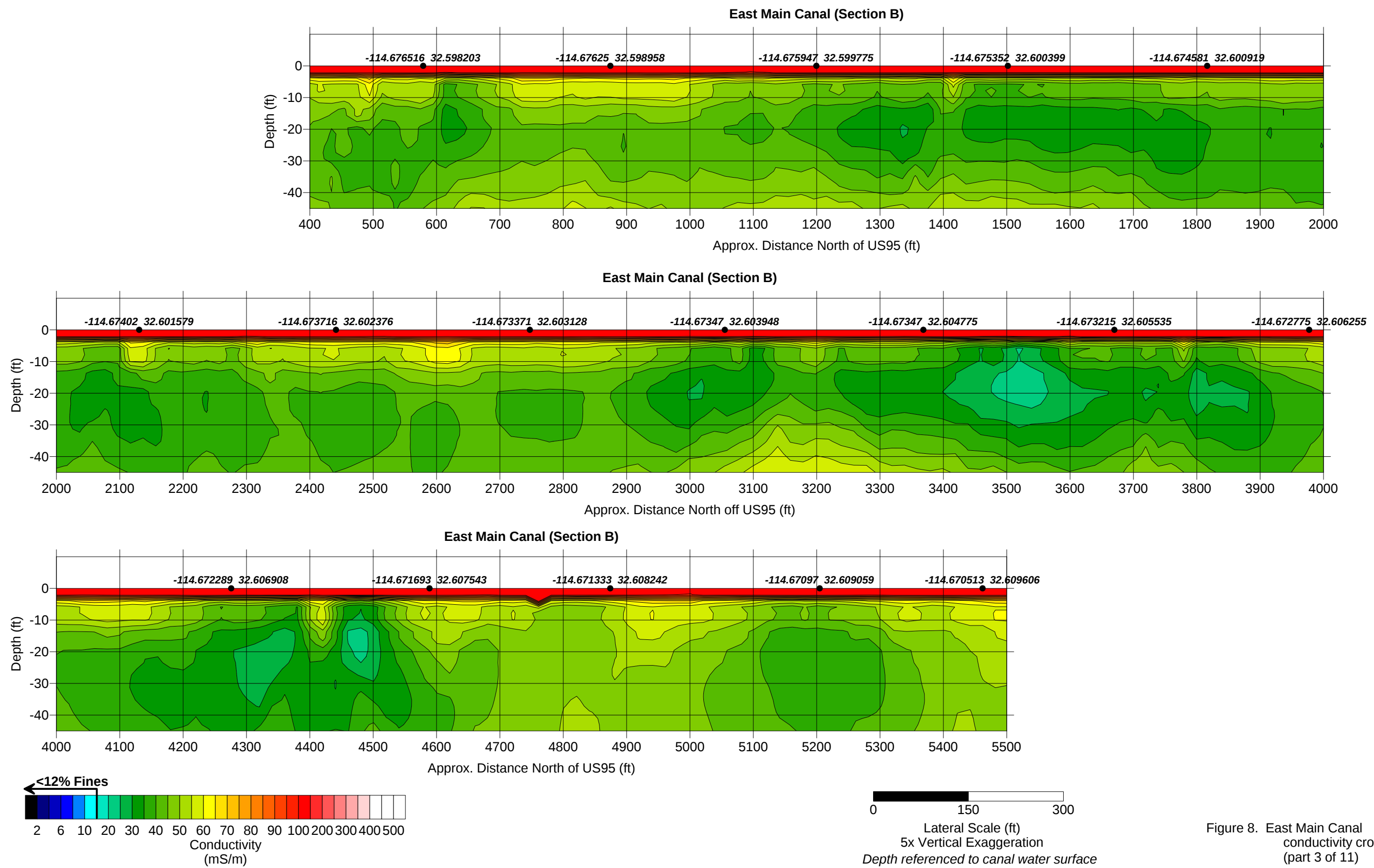


Figure 8. East Main Canal conductivity cross-section (part 3 of 11)

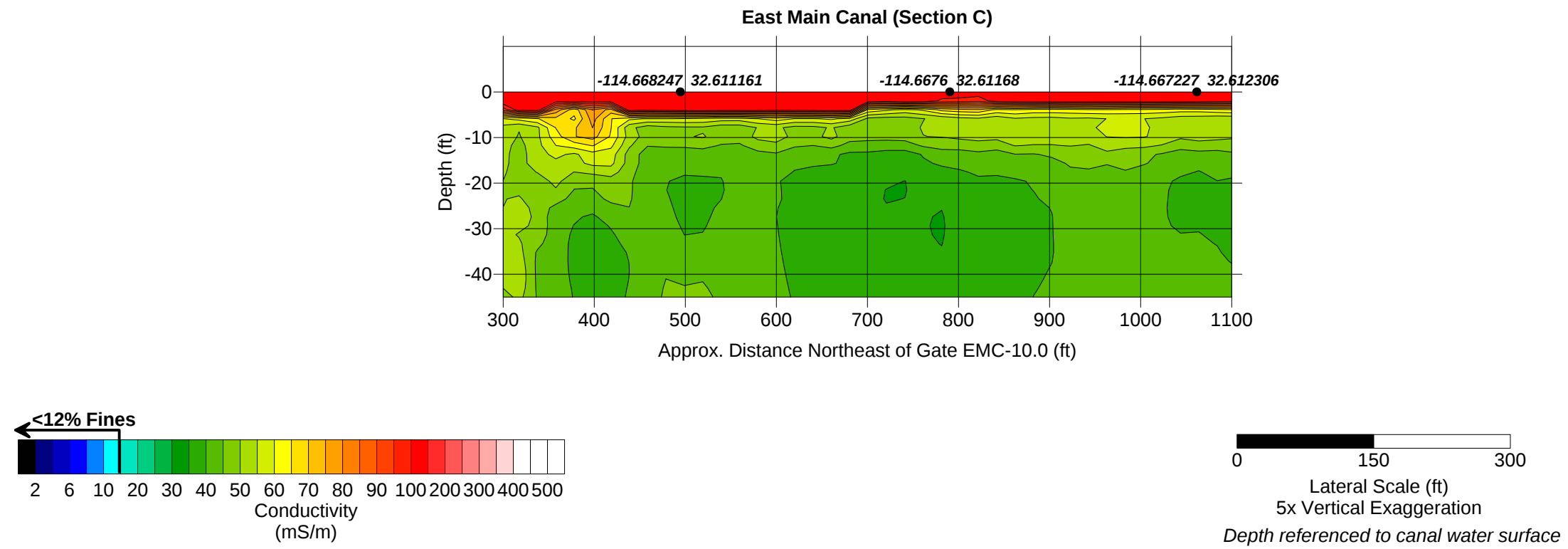


Figure 9. East Main Canal
conductivity cross-section
(part 4 of 11)

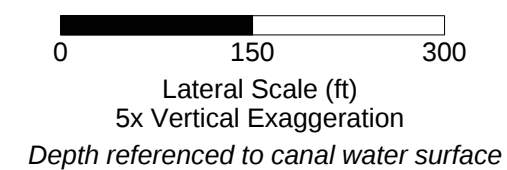
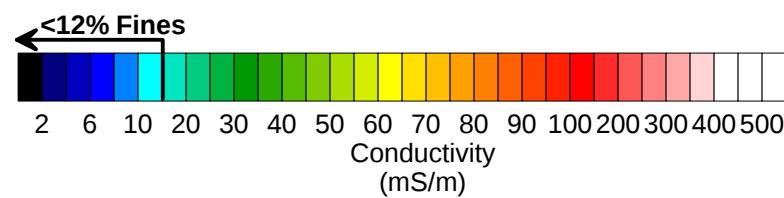
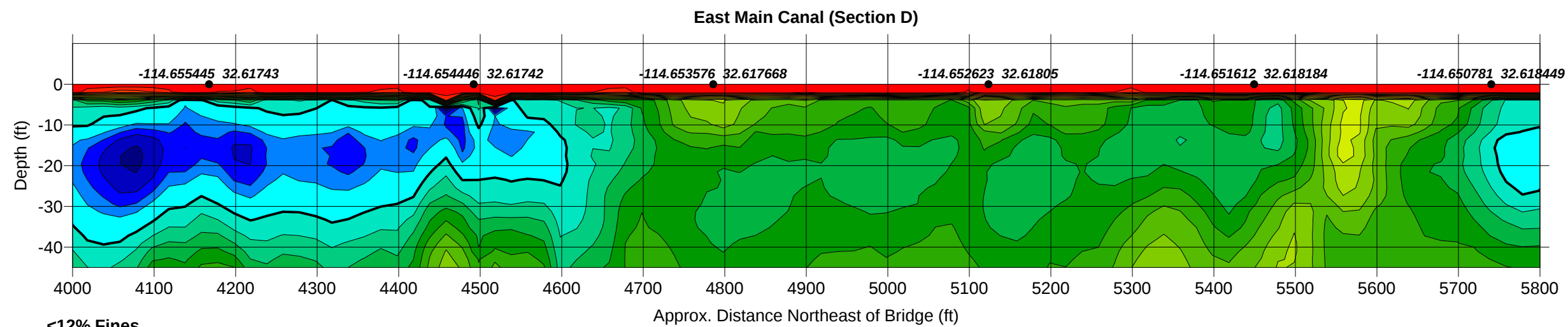
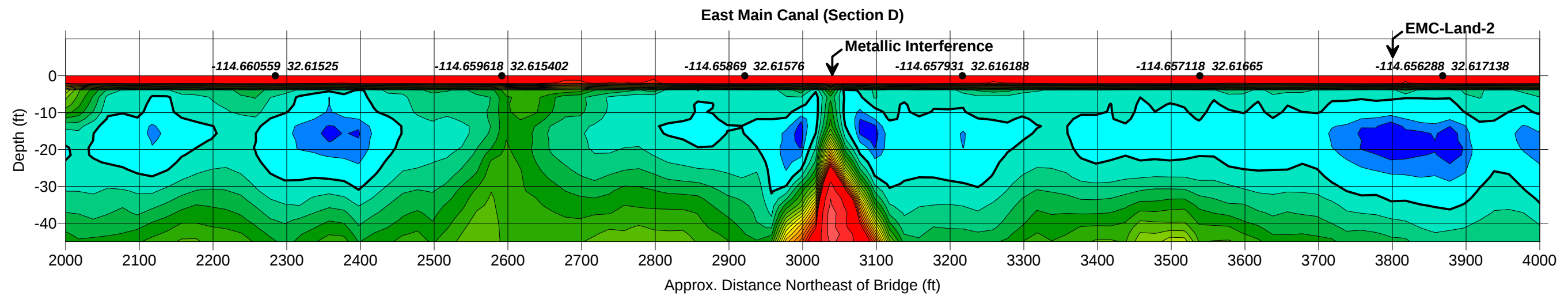
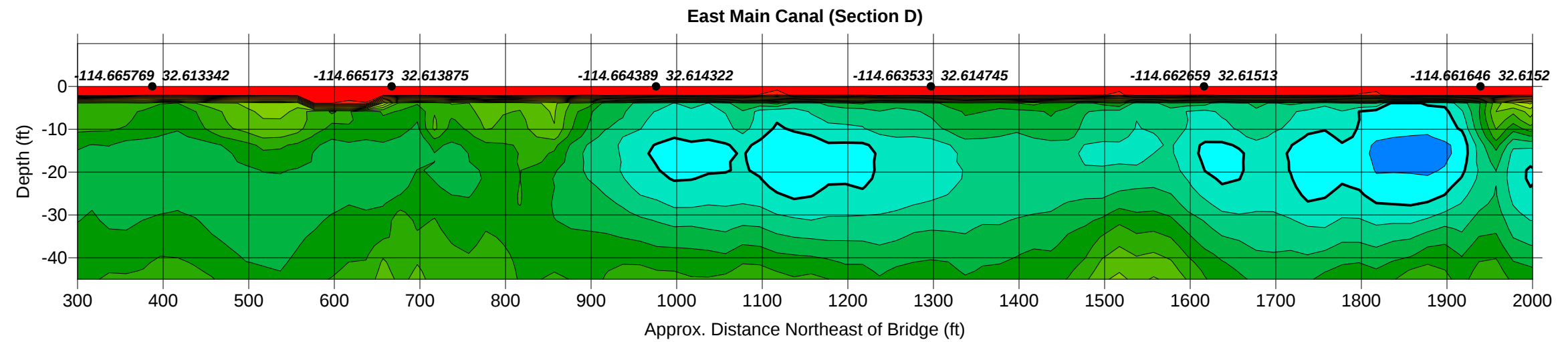


Figure 10. East Main Canal conductivity cross-section (part 5 of 11)

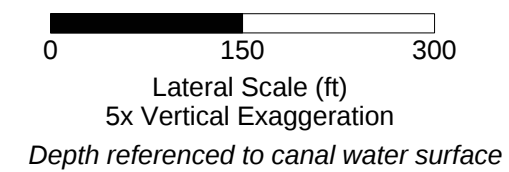
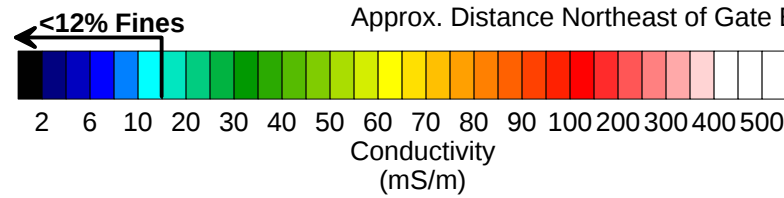
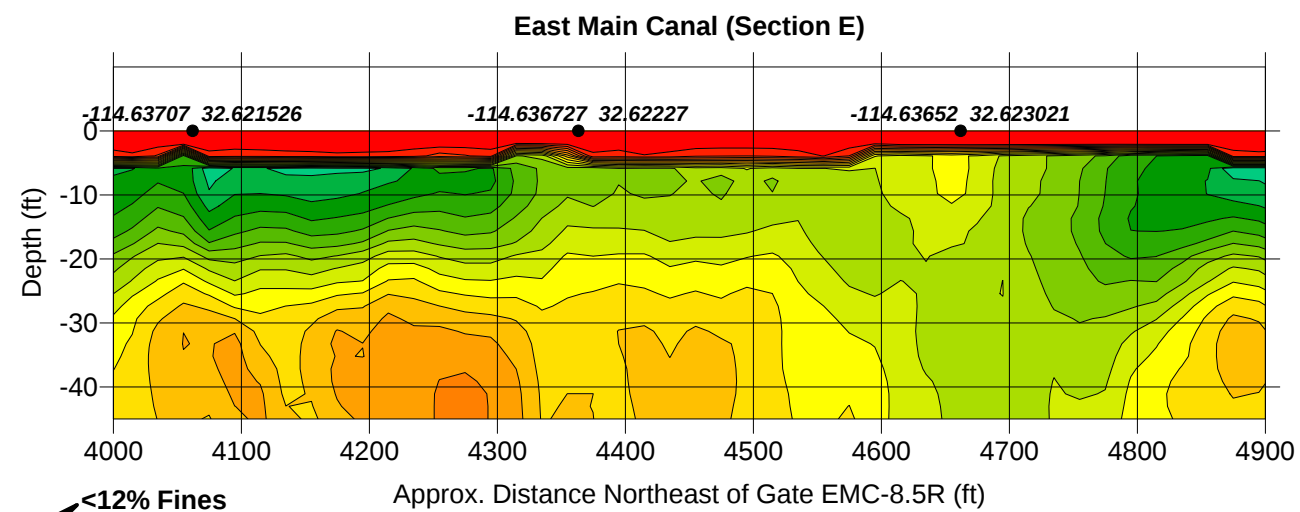
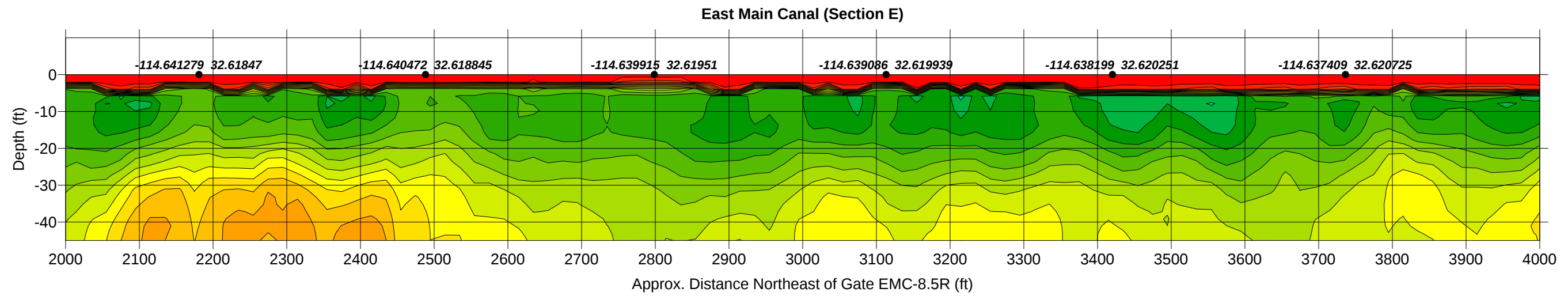
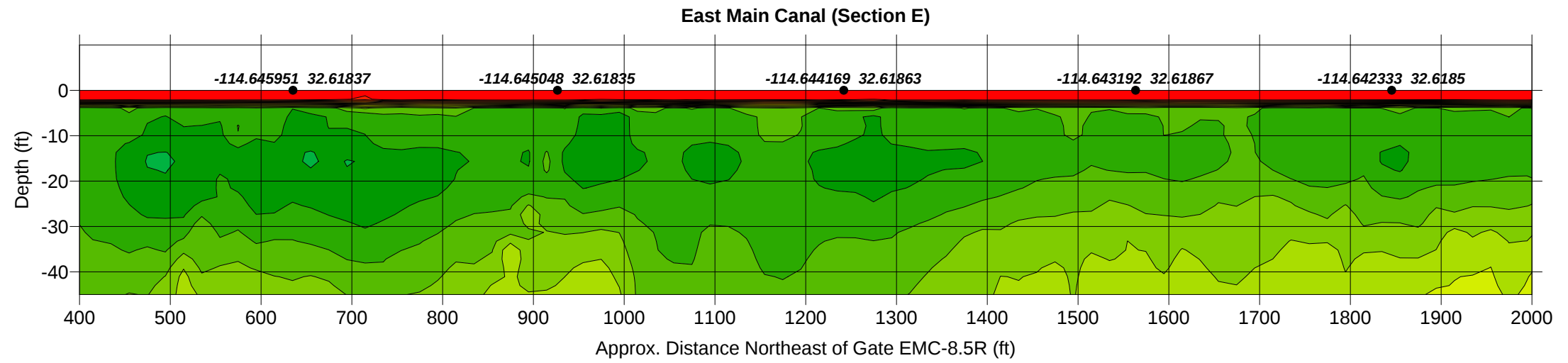


Figure 11. East Main Canal conductivity cross-section (part 6 of 11)

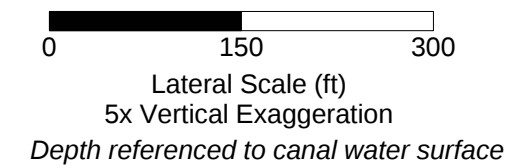
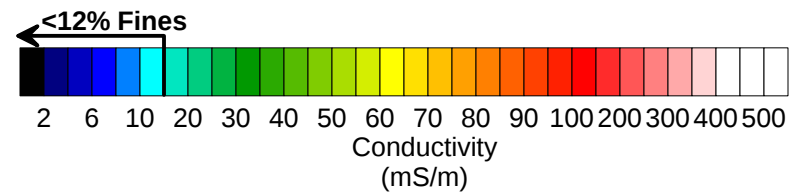
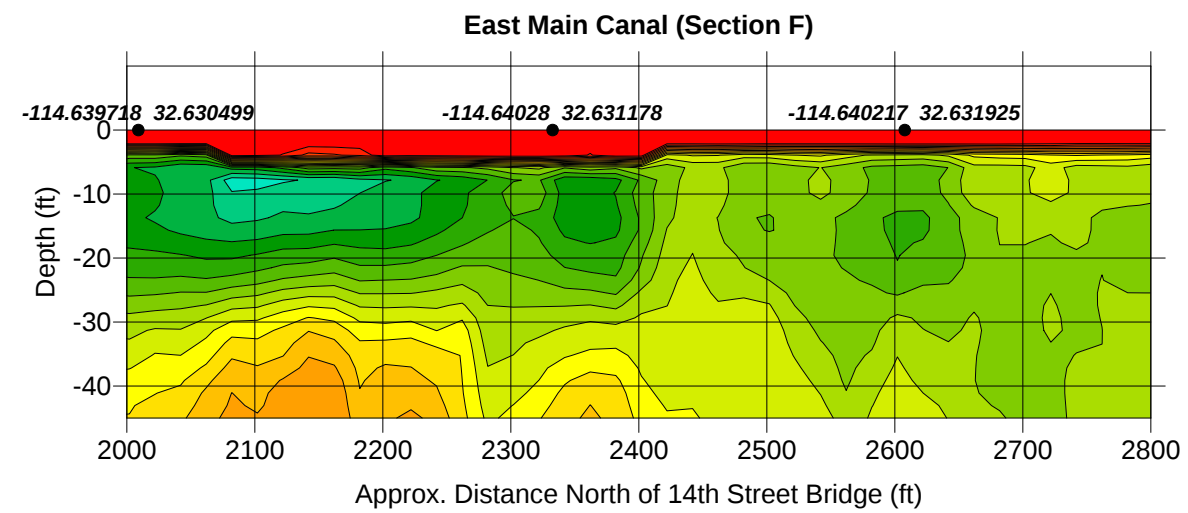
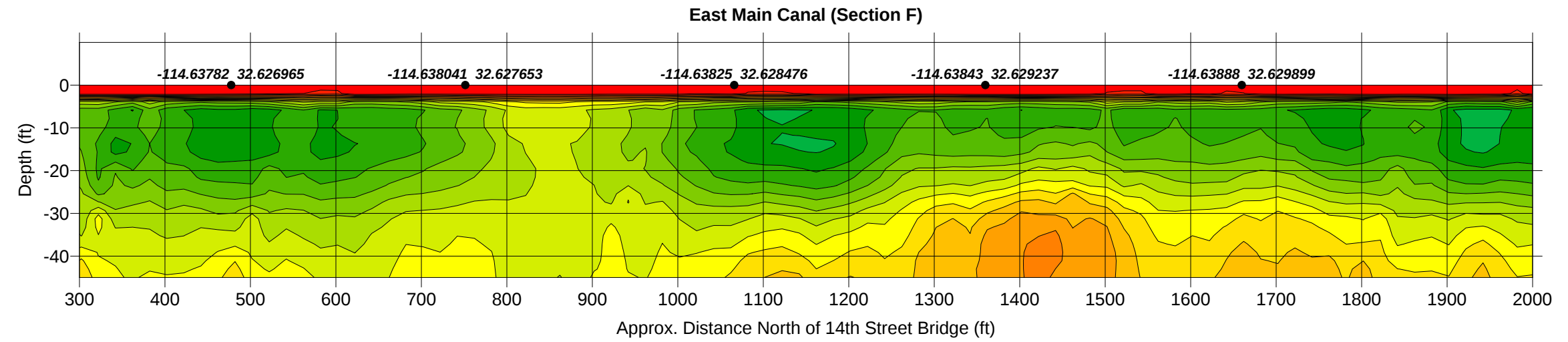
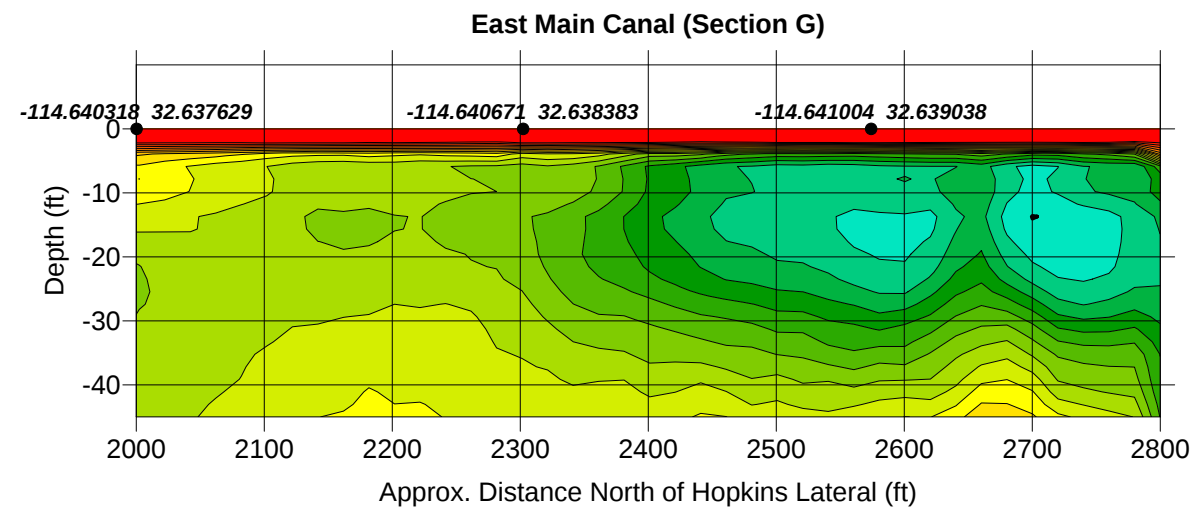
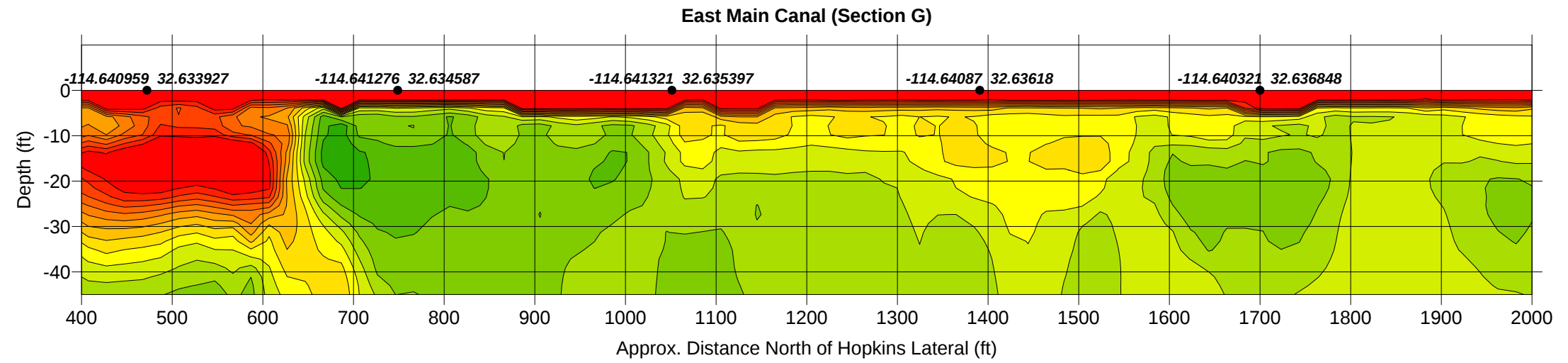


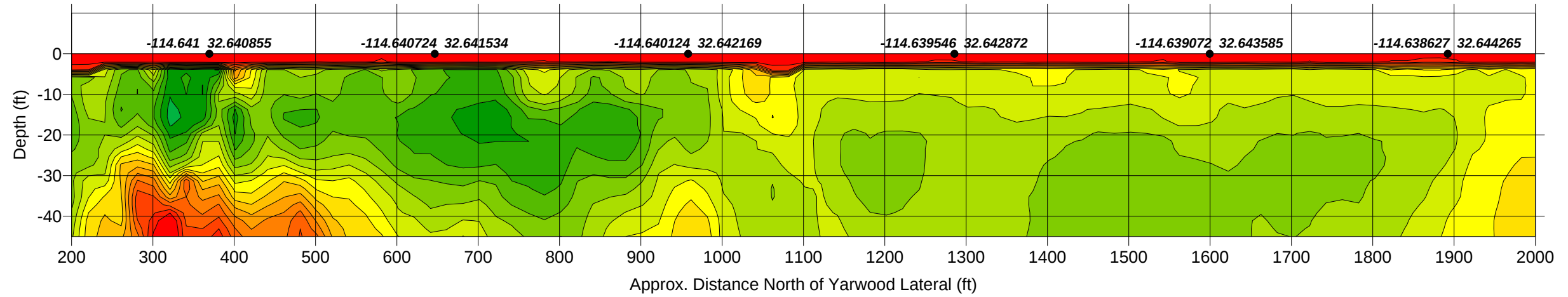
Figure 12. East Main Canal
conductivity cross-section
(part 7 of 11)



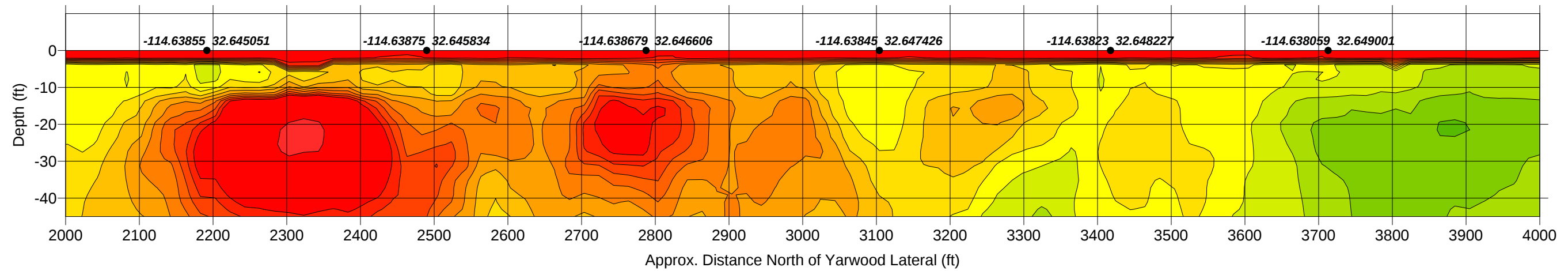
0 150 300
Lateral Scale (ft)
5x Vertical Exaggeration
Depth referenced to canal water surface

Figure 13. East Main Canal
conductivity cross-section
(part 8 of 11)

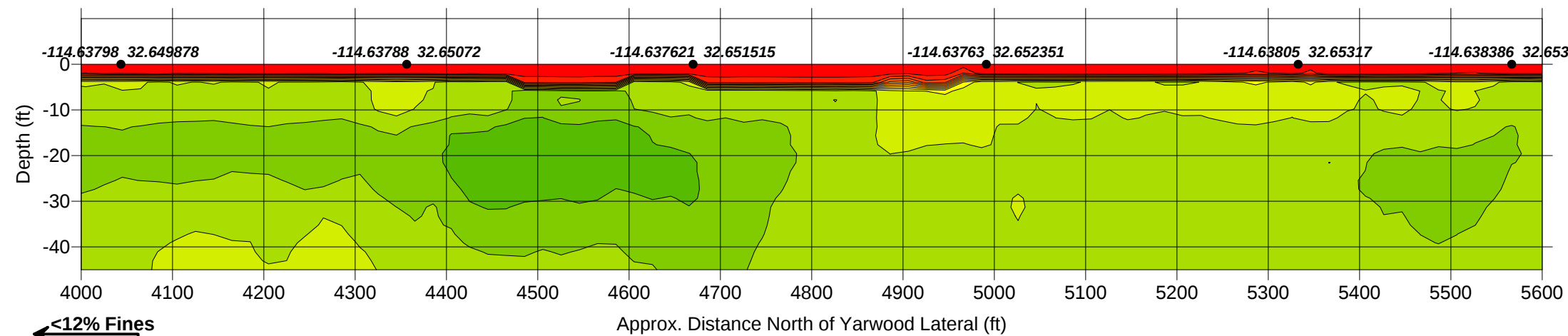
East Main Canal (Section H)



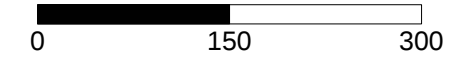
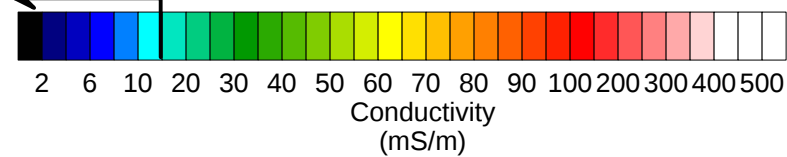
East Main Canal (Section H)



East Main Canal (Section H)



<12% Fines



5x Vertical Exaggeration
Depth referenced to canal water surface

Figure 14. East Main Canal conductivity cross-section (part 9 of 11)

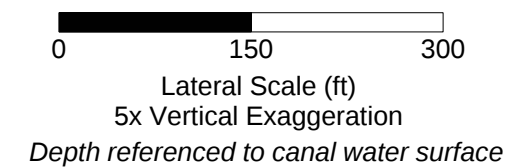
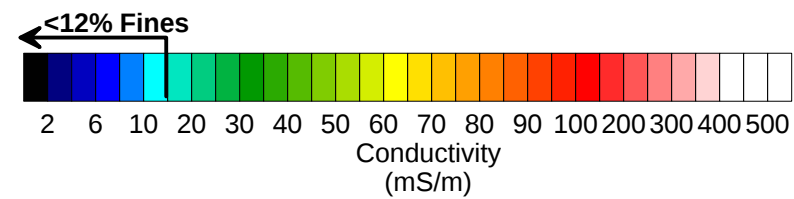
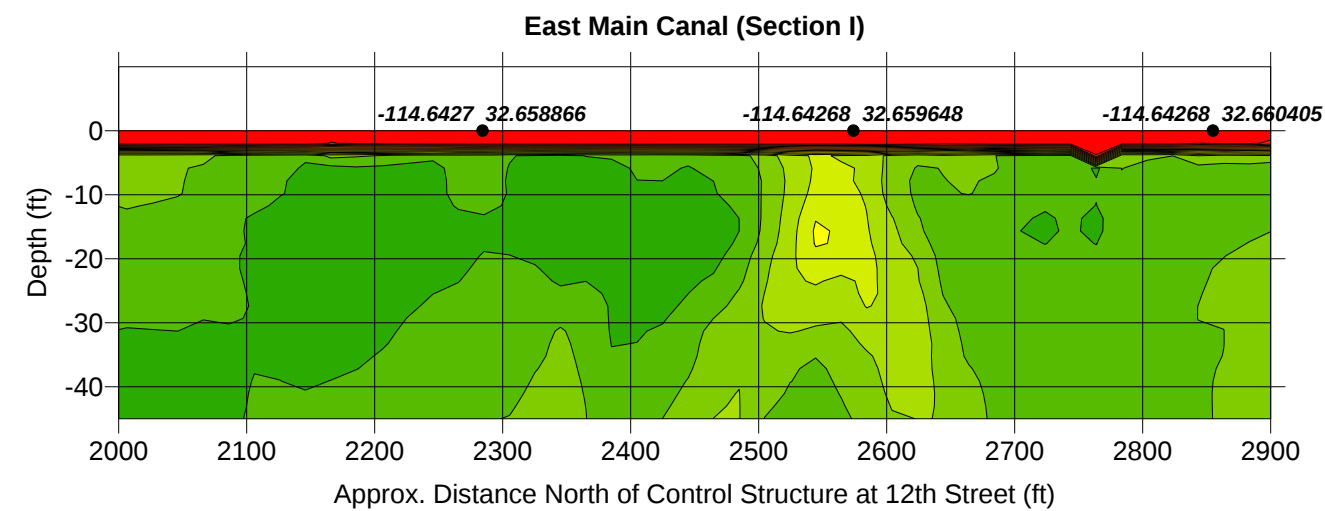
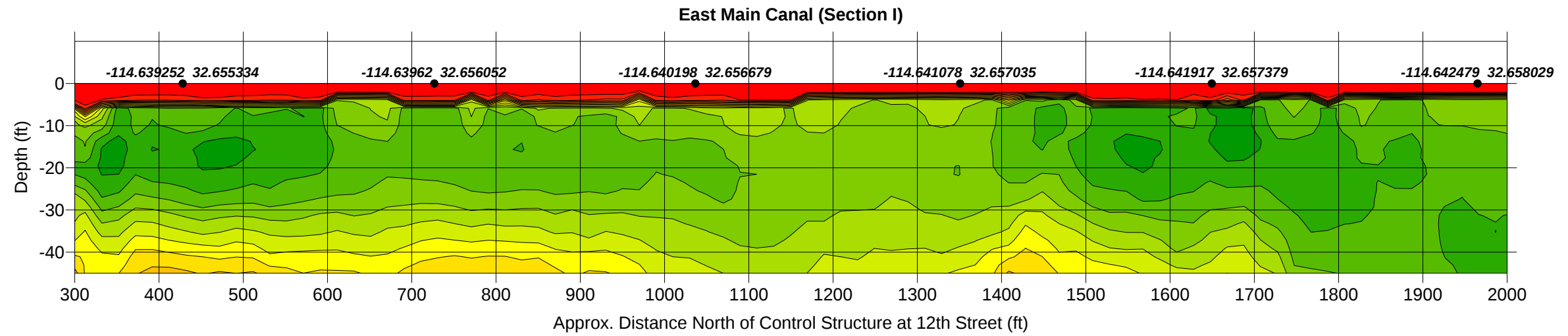


Figure 15. East Main Canal
conductivity cross-section
(part 10 of 11)

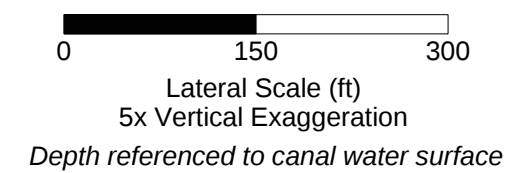
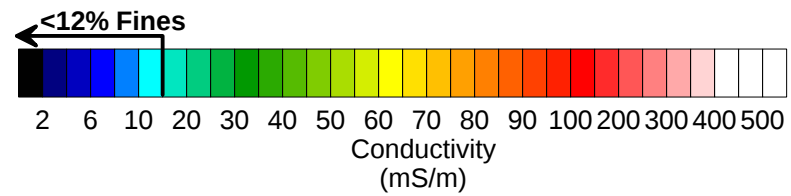
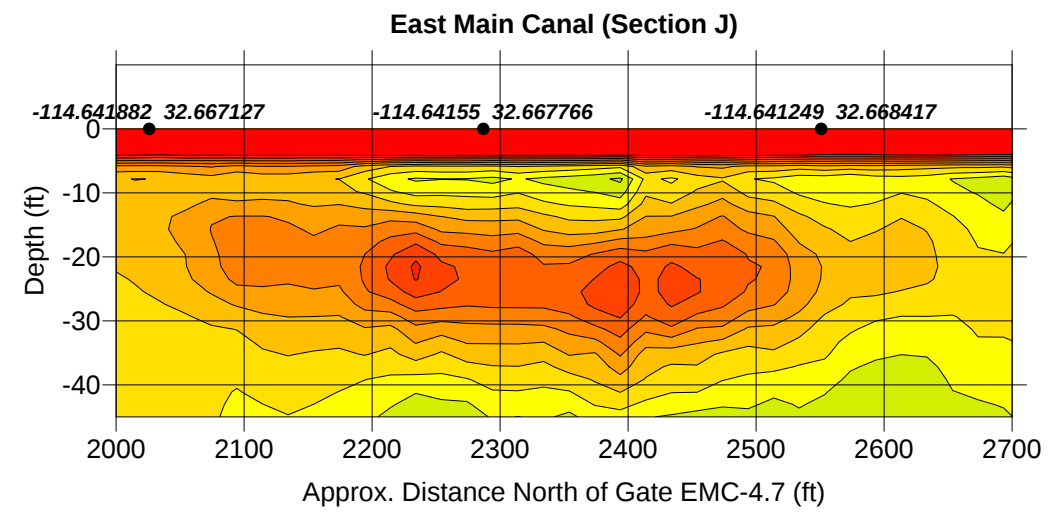
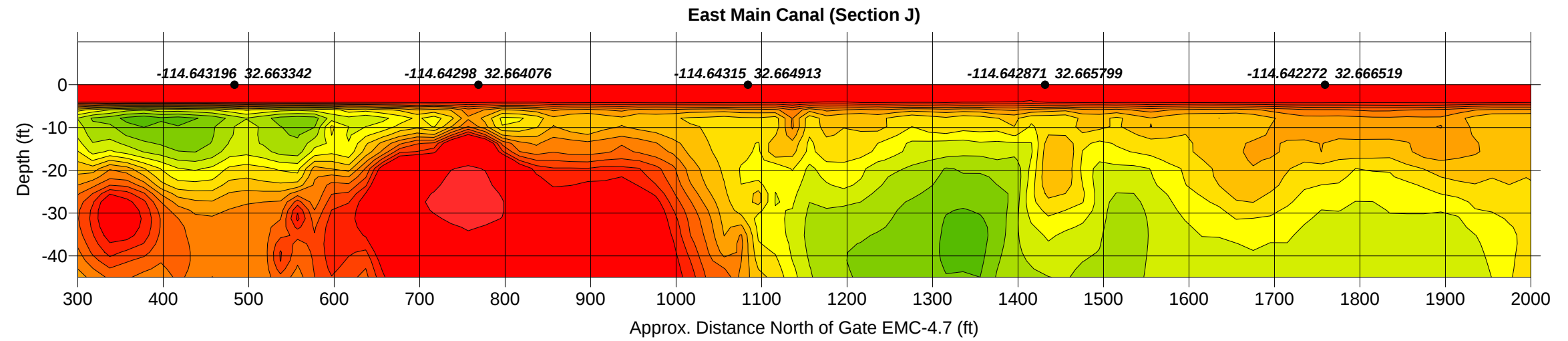
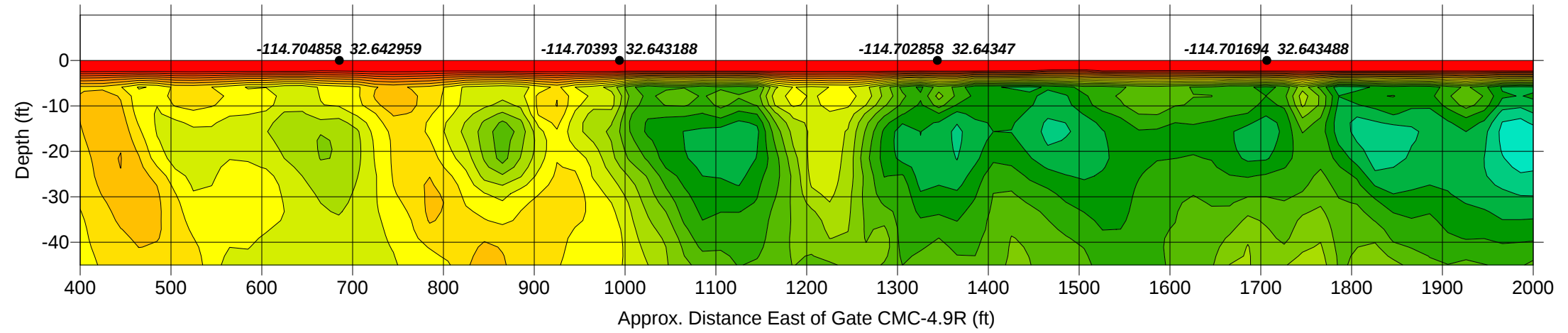
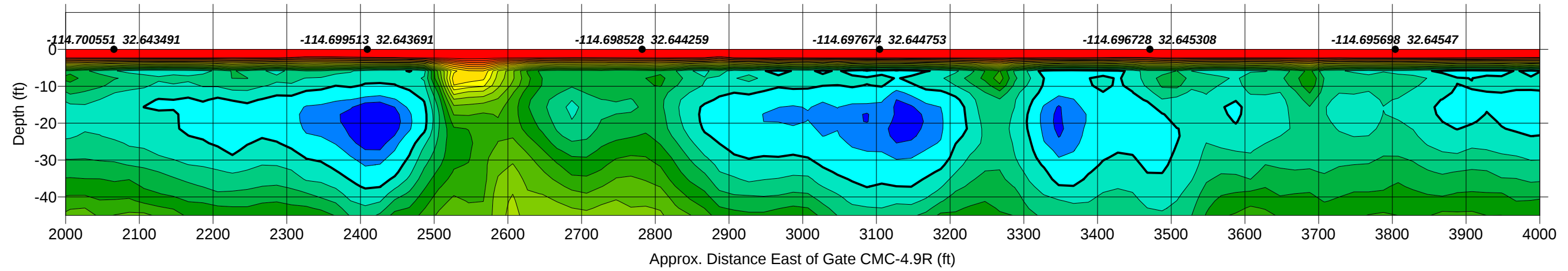


Figure 16. East Main Canal
conductivity cross-section
(part 11 of 11)

Central Canal (Section A)



Central Canal (Section A)



Central Canal (Section A)

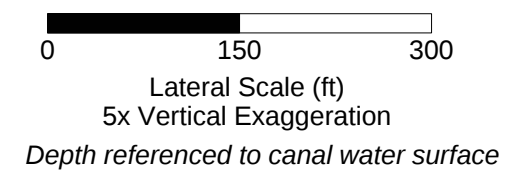
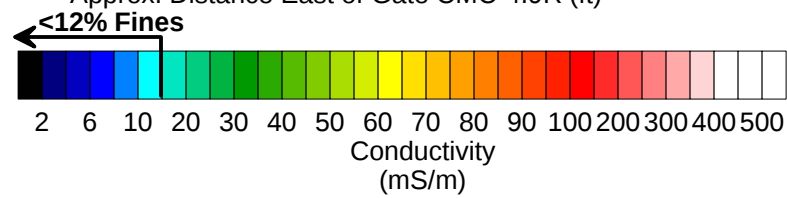
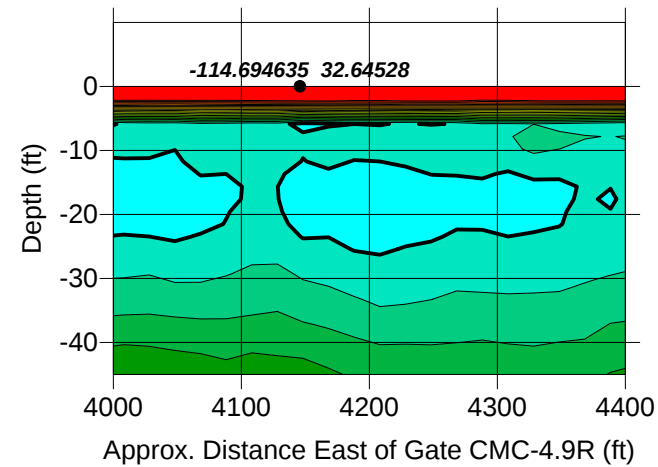
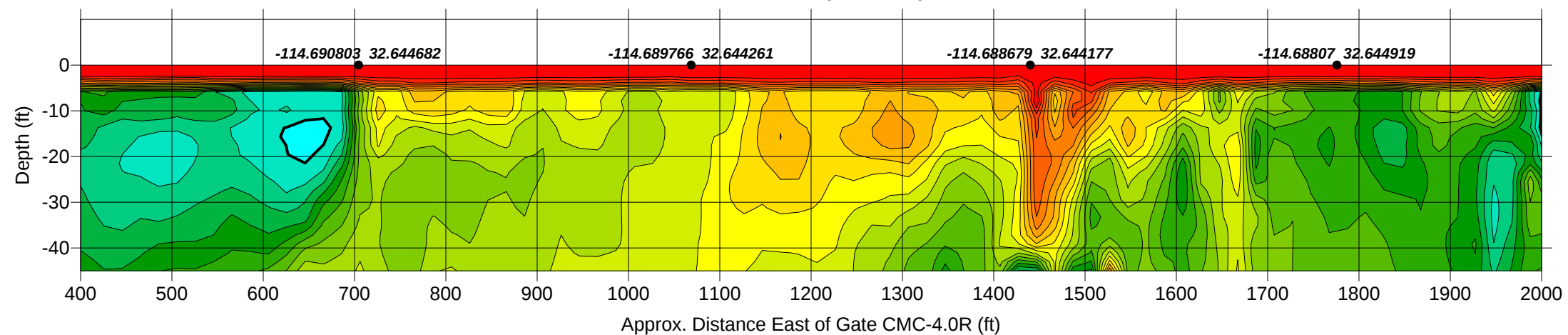


Figure 17. Central Canal conductivity cross-section (part 1 of 6)

Central Canal (Section B)



Central Canal (Section B)

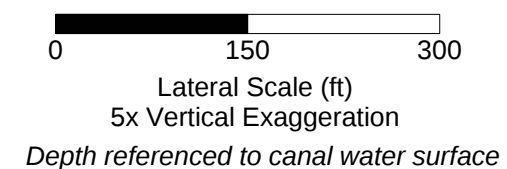
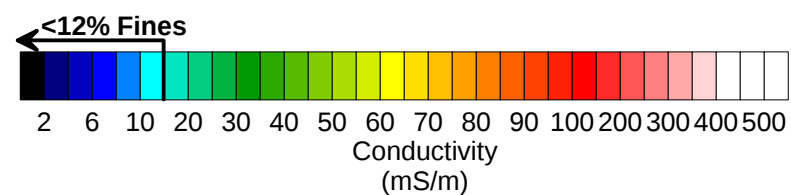
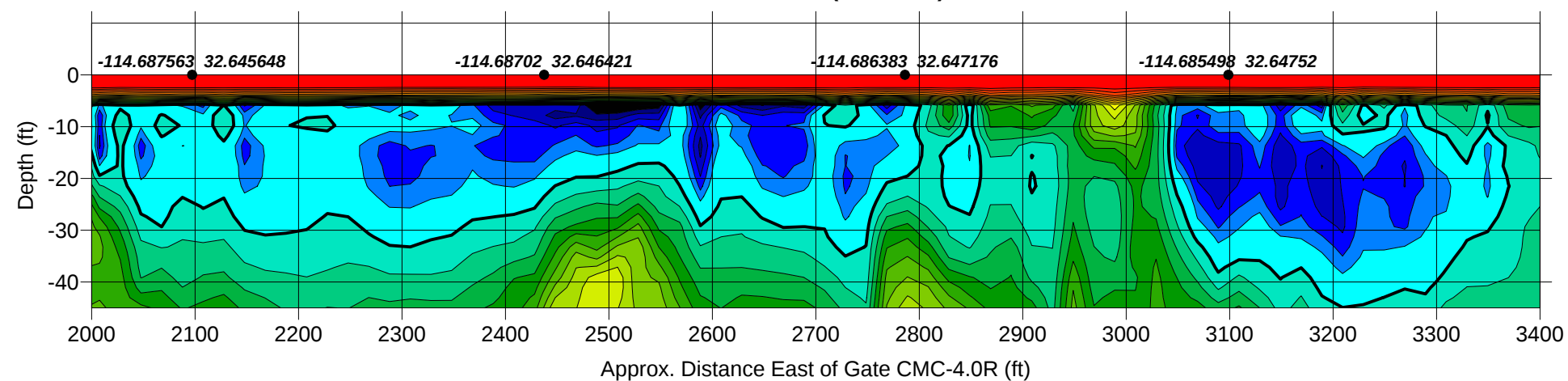


Figure 18. Central Canal conductivity cross-section (part 2 of 6)

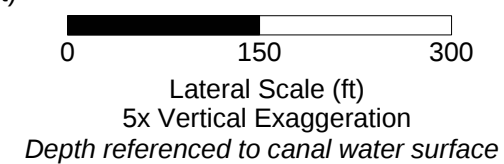
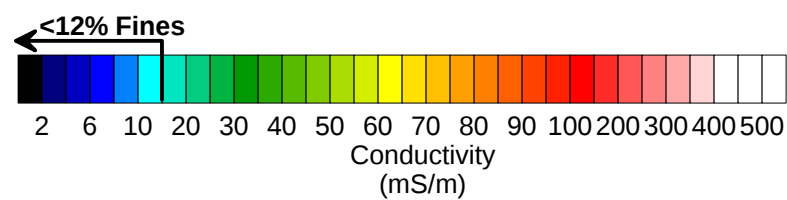
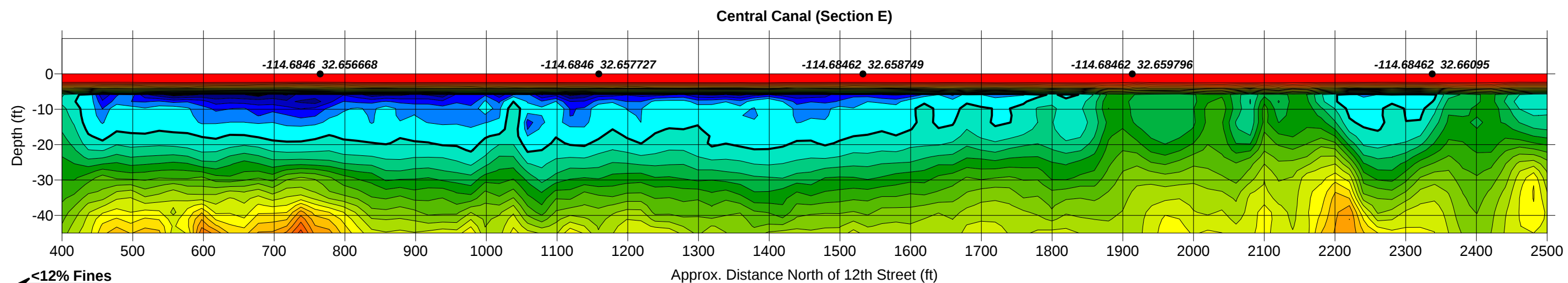
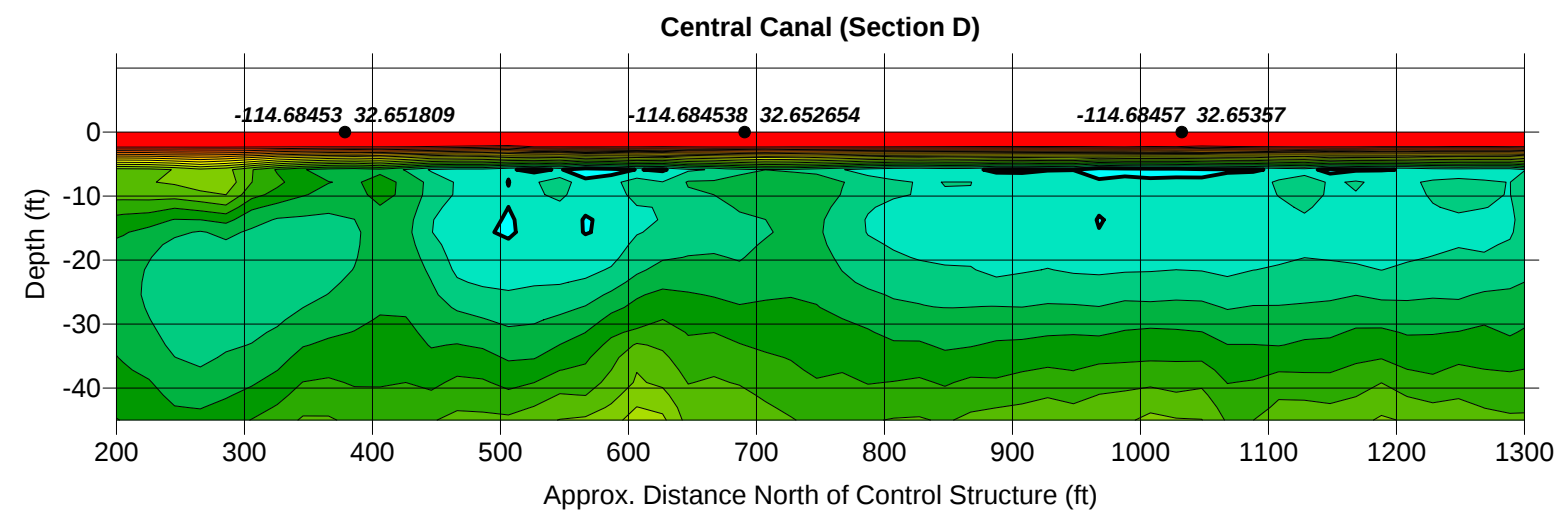
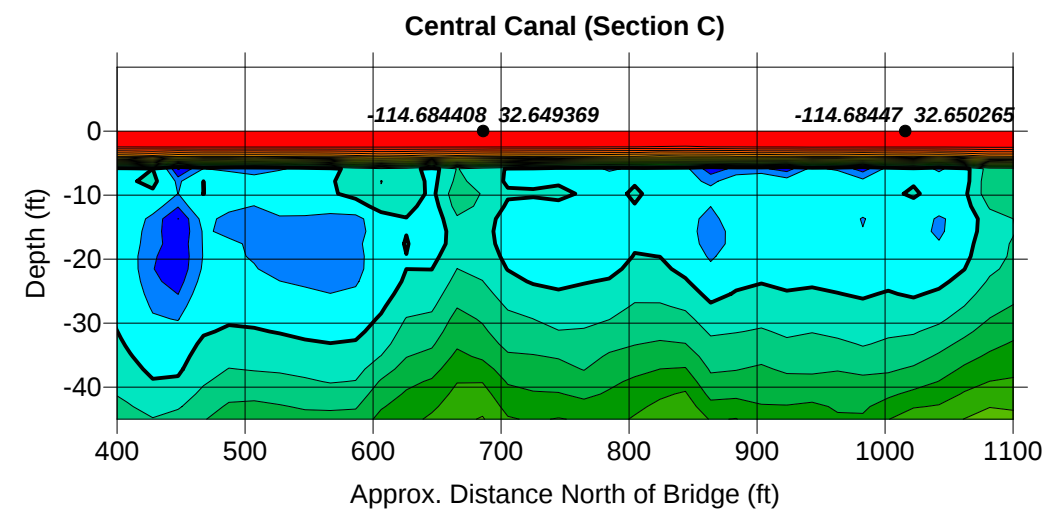
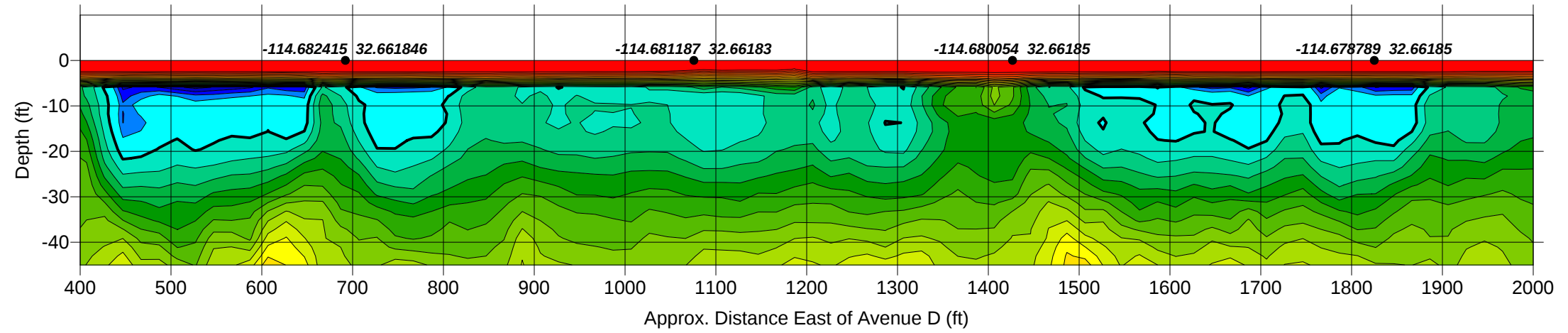
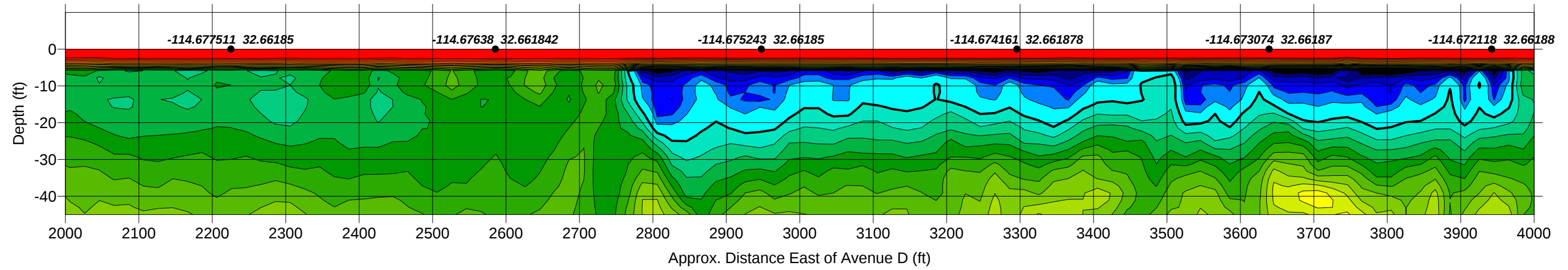


Figure 19. Central Canal conductivity cross-section (part 3 of 6)

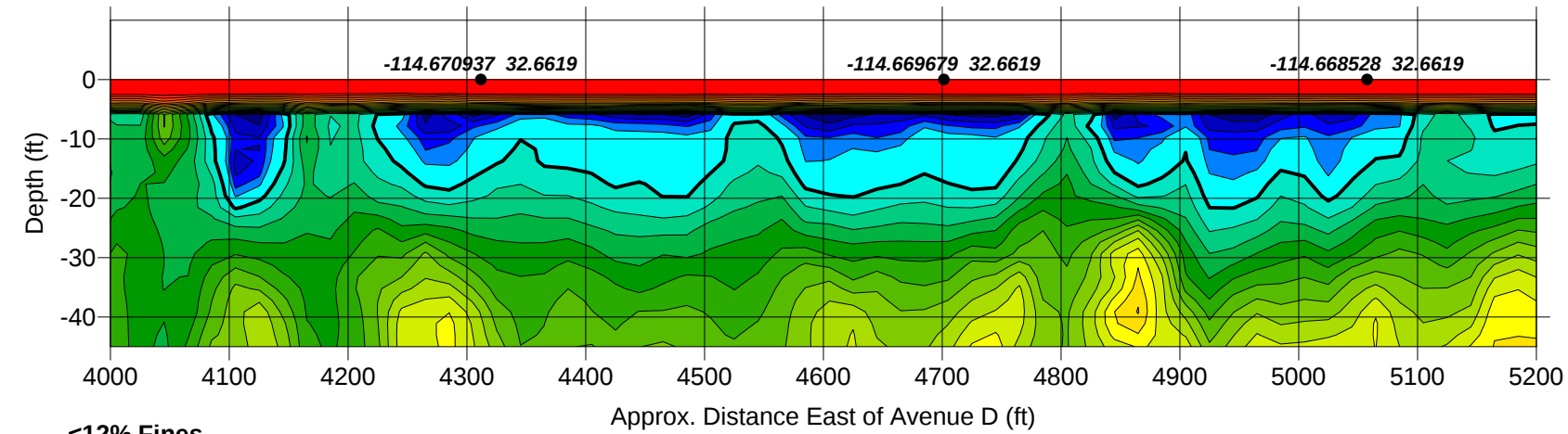
Central Canal (Section F)



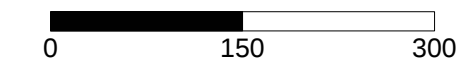
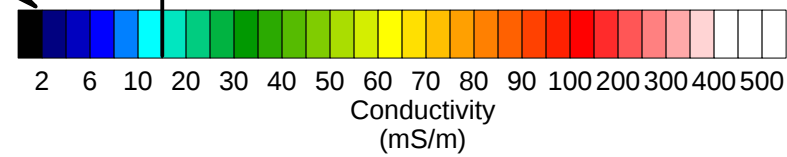
Central Canal (Section F)



Central Canal (Section F)



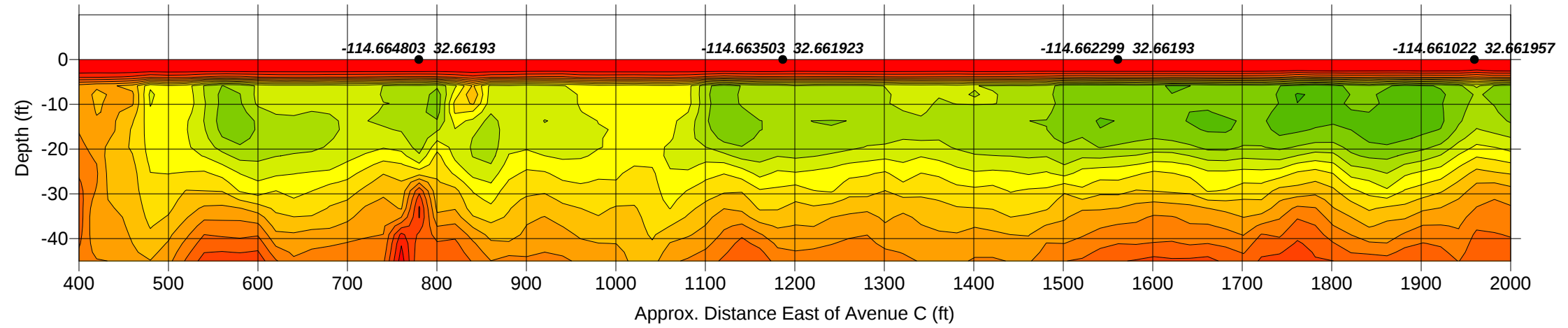
<12% Fines



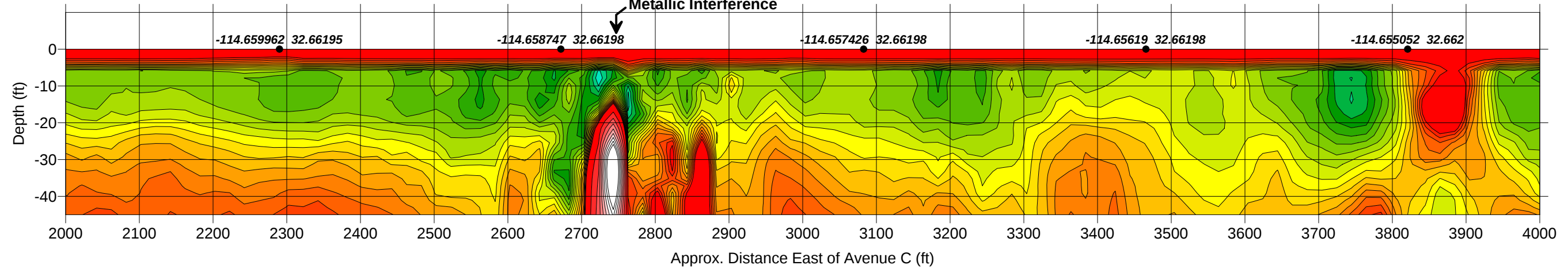
Lateral Scale (ft)
5x Vertical Exaggeration
Depth referenced to canal water surface

Figure 20. Central Canal conductivity cross-section (part 4 of 6)

Central Canal (Section G)



Central Canal (Section G)



Central Canal (Section G)

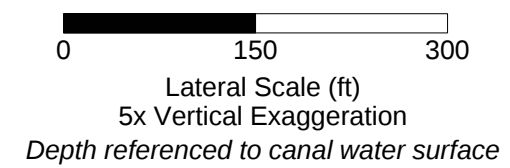
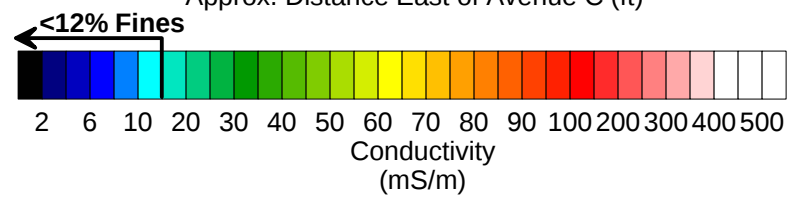
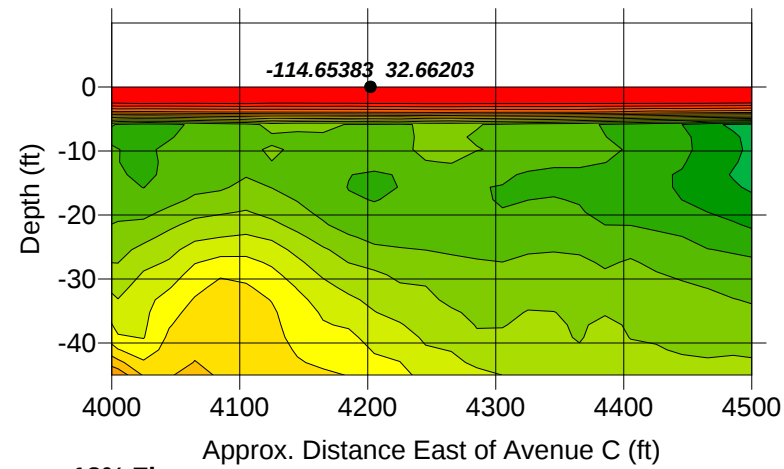


Figure 21. Central Canal conductivity cross-section (part 5 of 6)

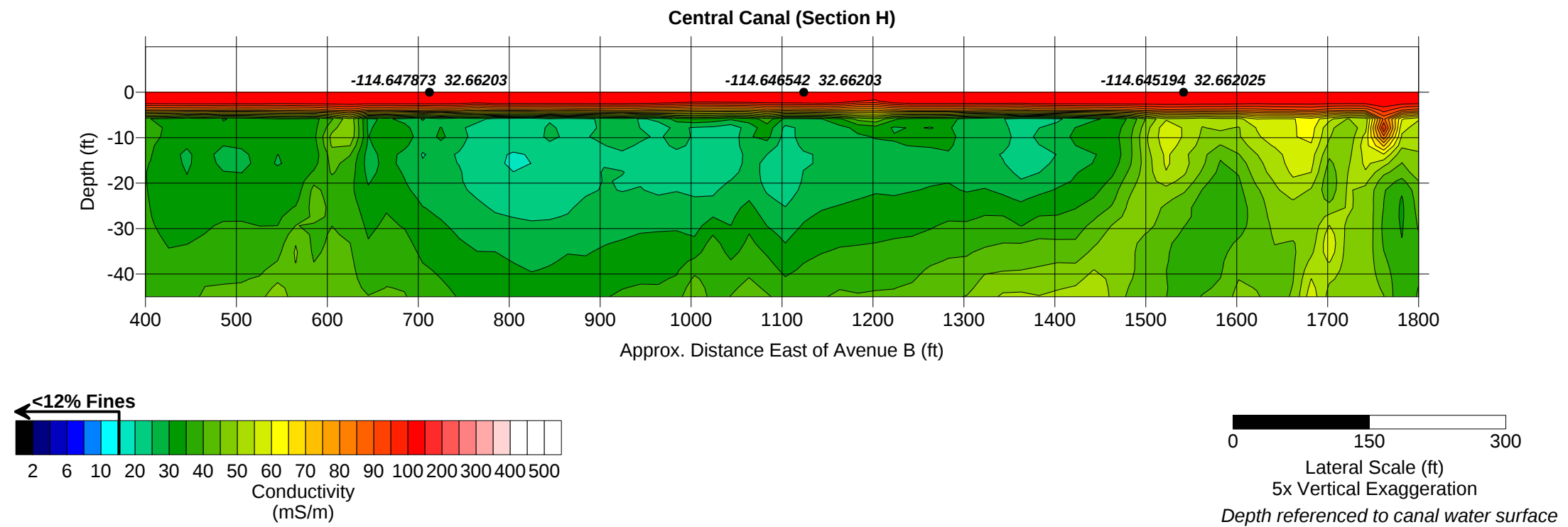


Figure 22. Central Canal
conductivity cross-section
(part 6 of 6)