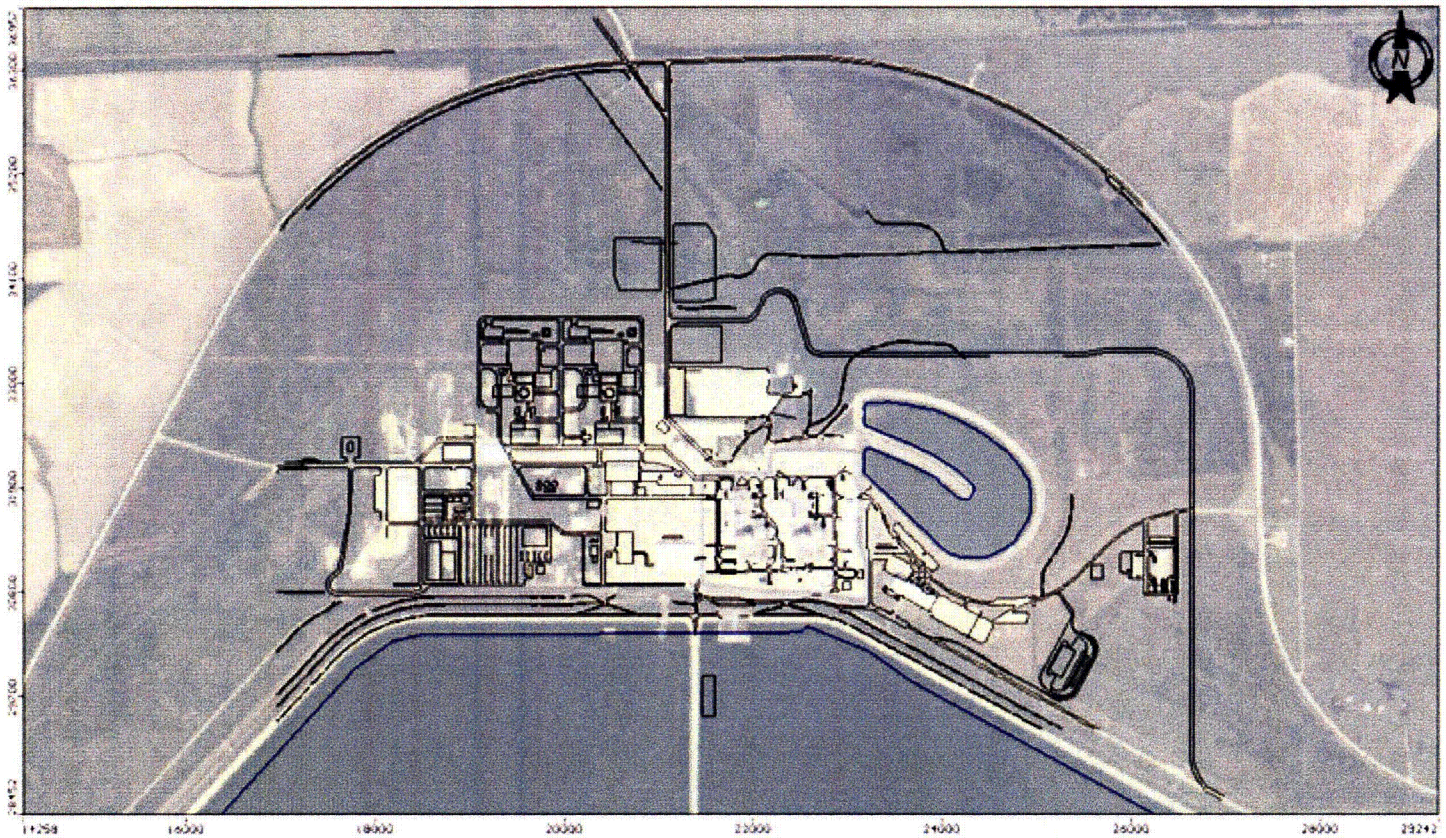


Figure 51: STP 3 & 4 Planned Buildings and Extent of Pavement

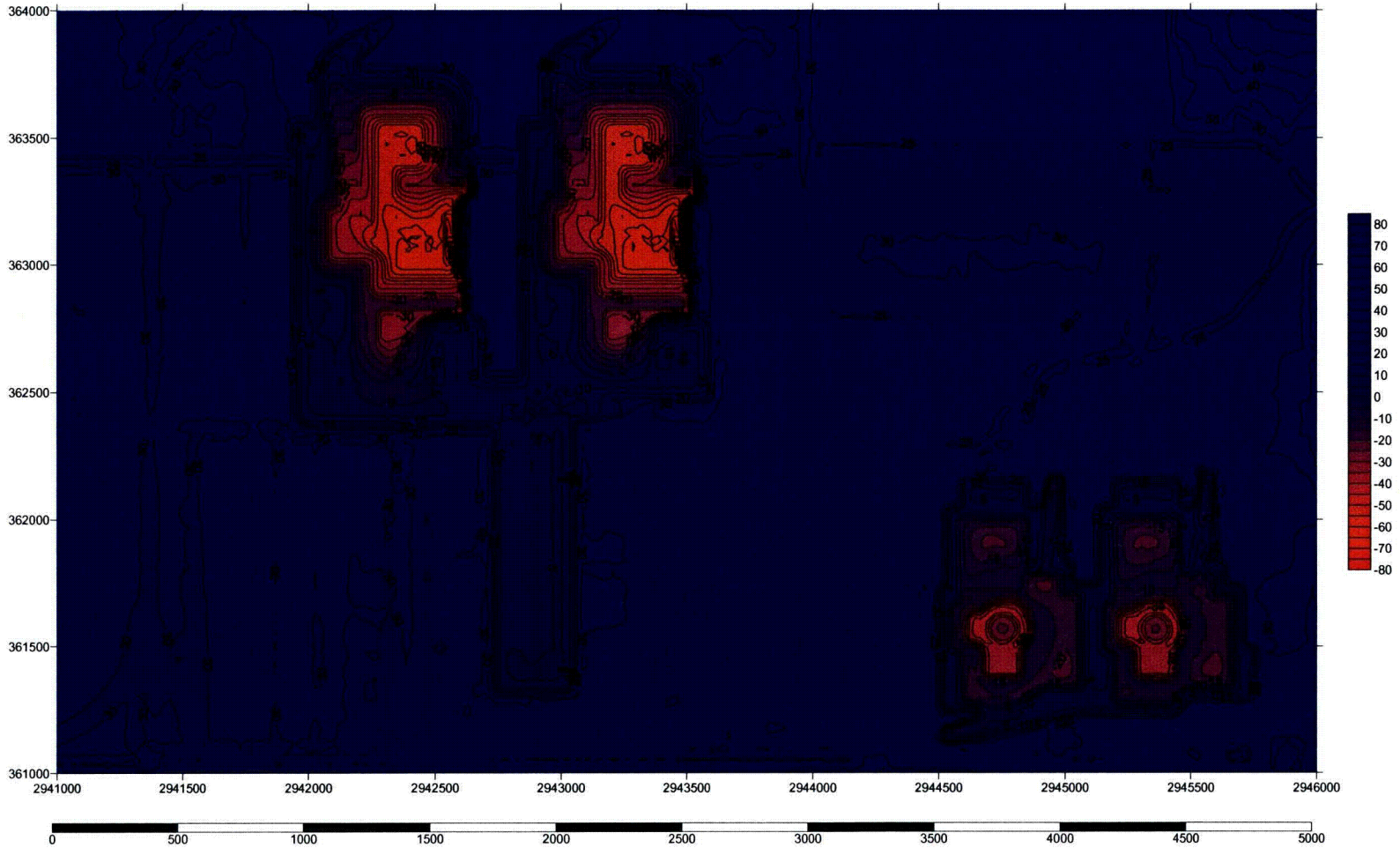


Figure 52: STP 3 & 4 Planned Excavation Surface (Extent of Structural Backfill)

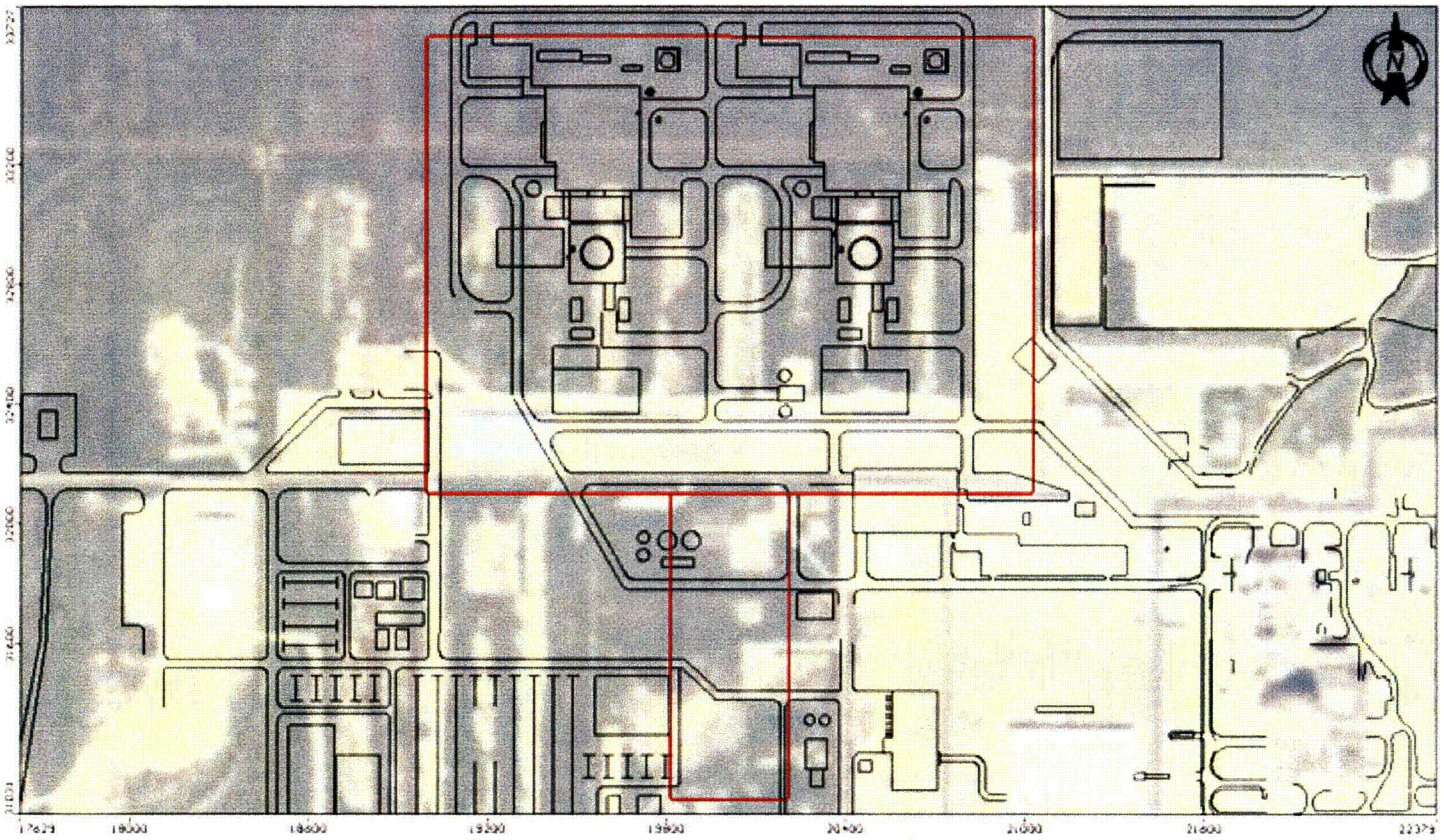
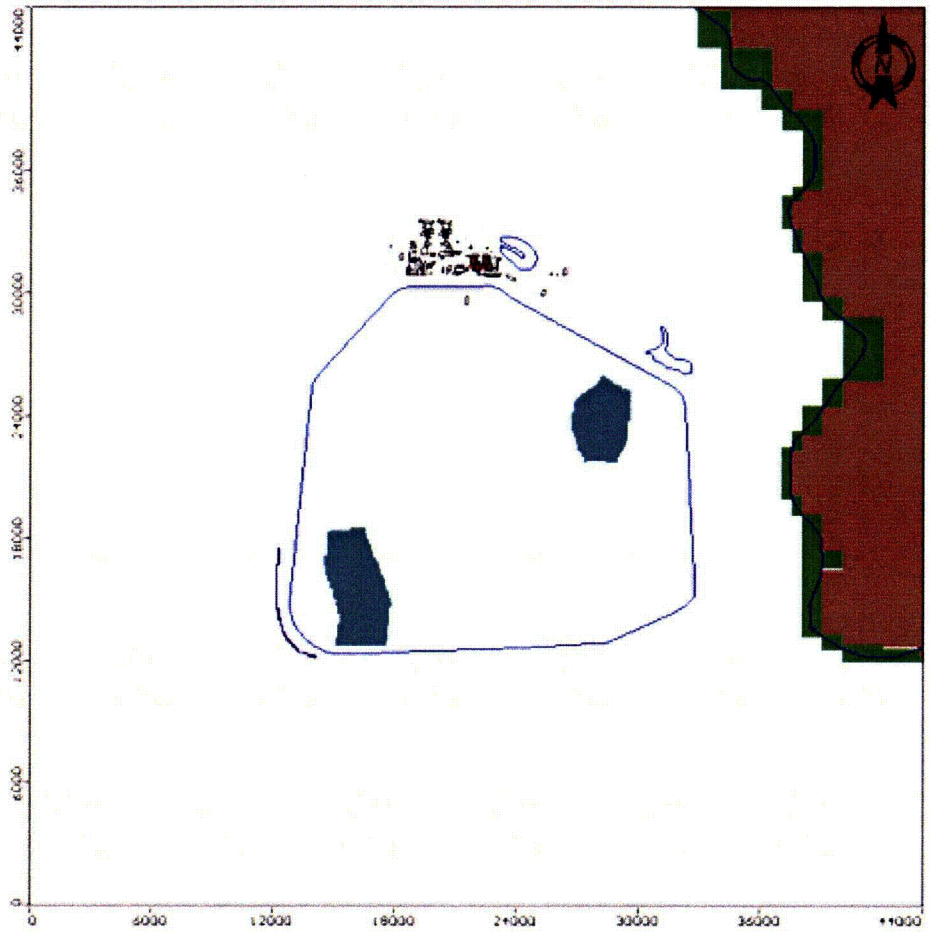


Figure 53: STP 3 & 4 Planned Slurry Wall and Concrete Retaining Wall Locations

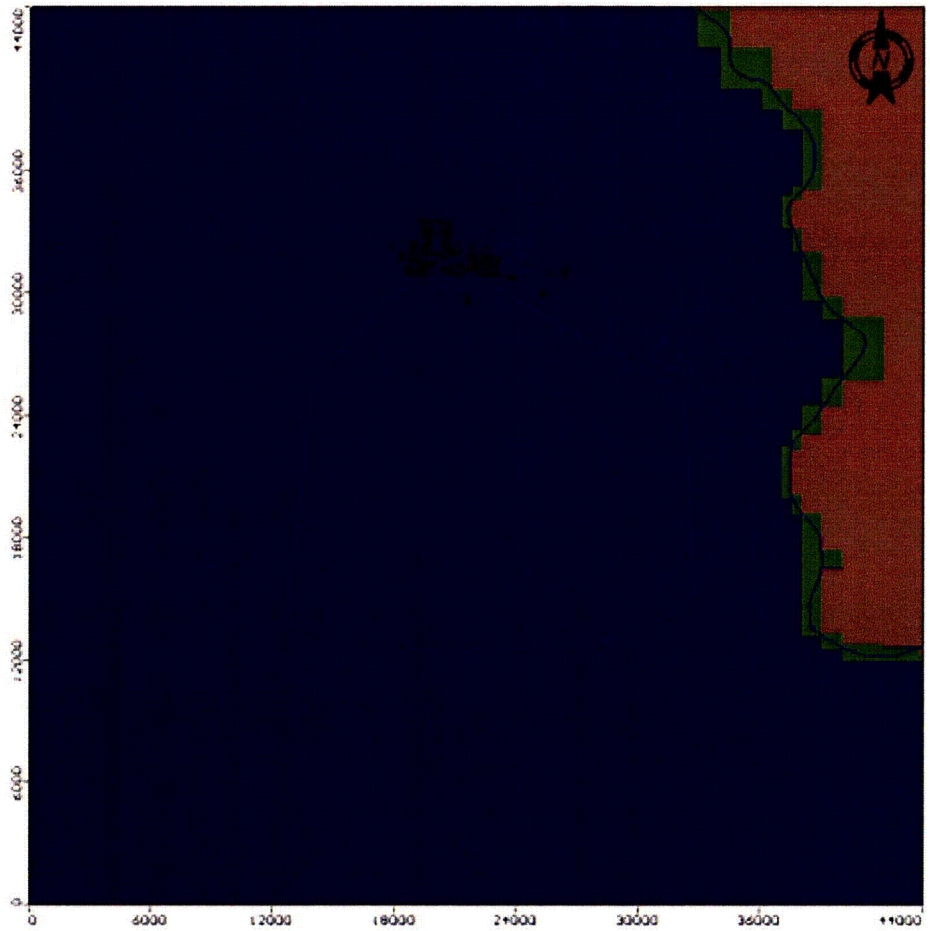
(Blue lines represent planned STP 3 & 4 facility structures)

(Red lines represent location of the planned construction dewatering slurry walls)



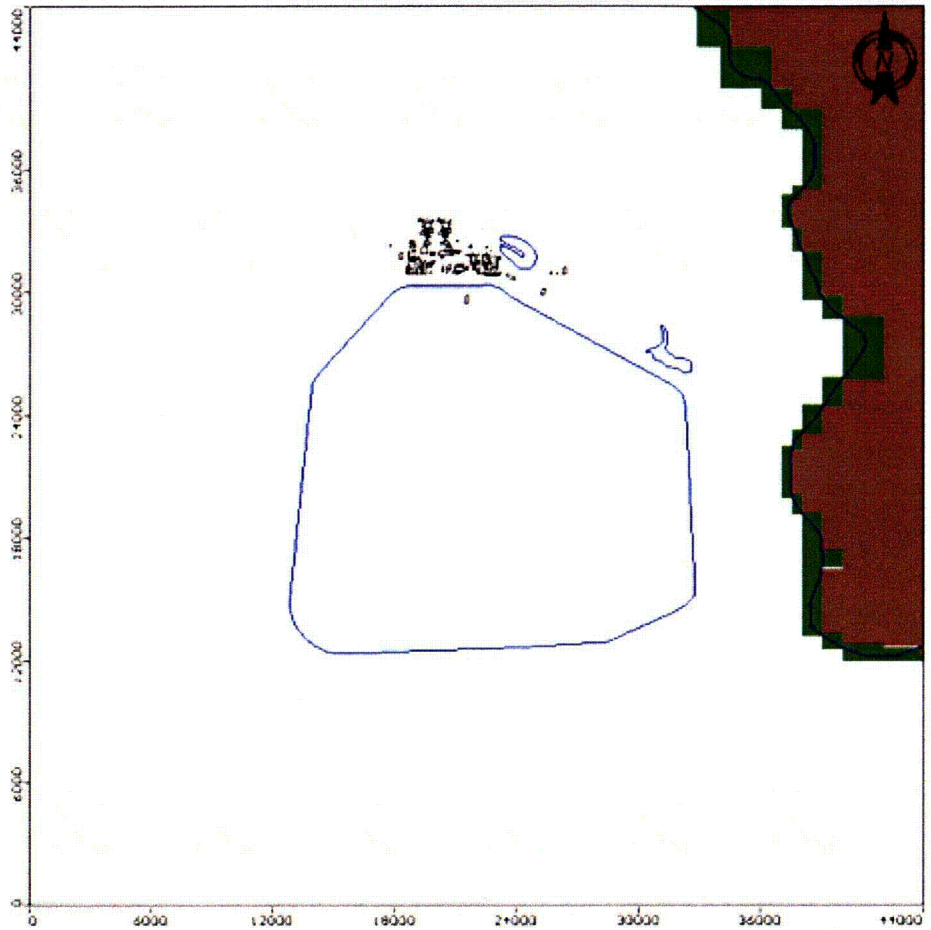
Legend: White = Clay. Dark blue = Sand (bottom of Little Robbins Slough). Turquoise = Silt sediment in sand pits (inside MCR). Bright green = Colorado River alluvium. Brown = Inactive cells (east of Colorado River). Note: See Figure 10 for layout of well locations.

Figure 54: Hydraulic Conductivity in Model Layer 1



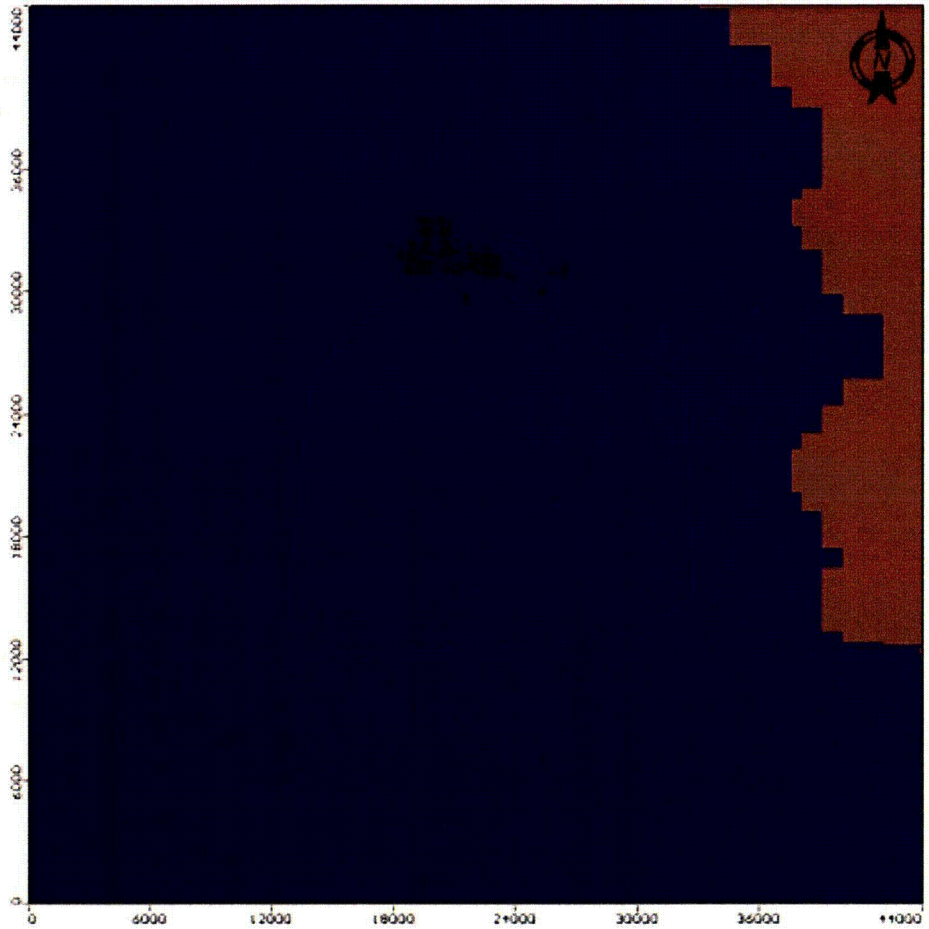
Legend: Dark blue = Sand. Green = River alluvium. Brown = Inactive cells. Note: See Figure 10 for layout of well locations.

Figure 55: Hydraulic Conductivity in Model Layer 2



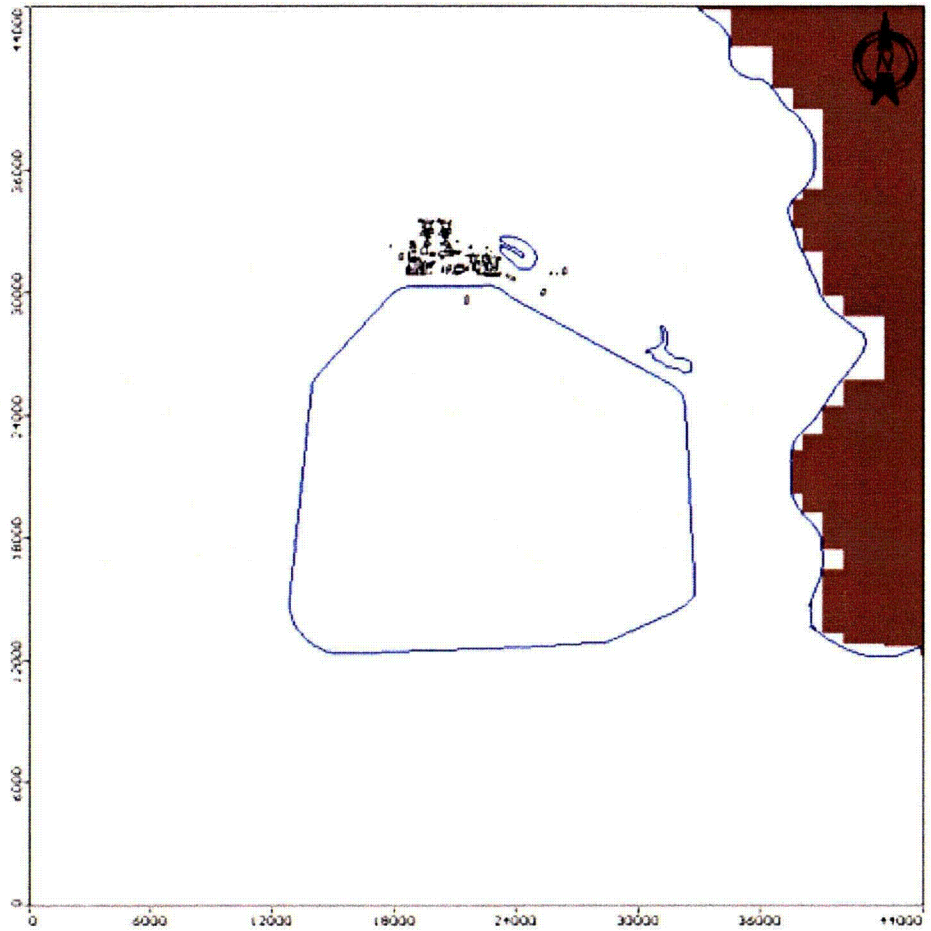
Legend: White = Clay. Green = River alluvium. Brown = Inactive cells. Note: See Figure 10 for layout of well locations.

Figure 56: Hydraulic Conductivity in Model Layer 3



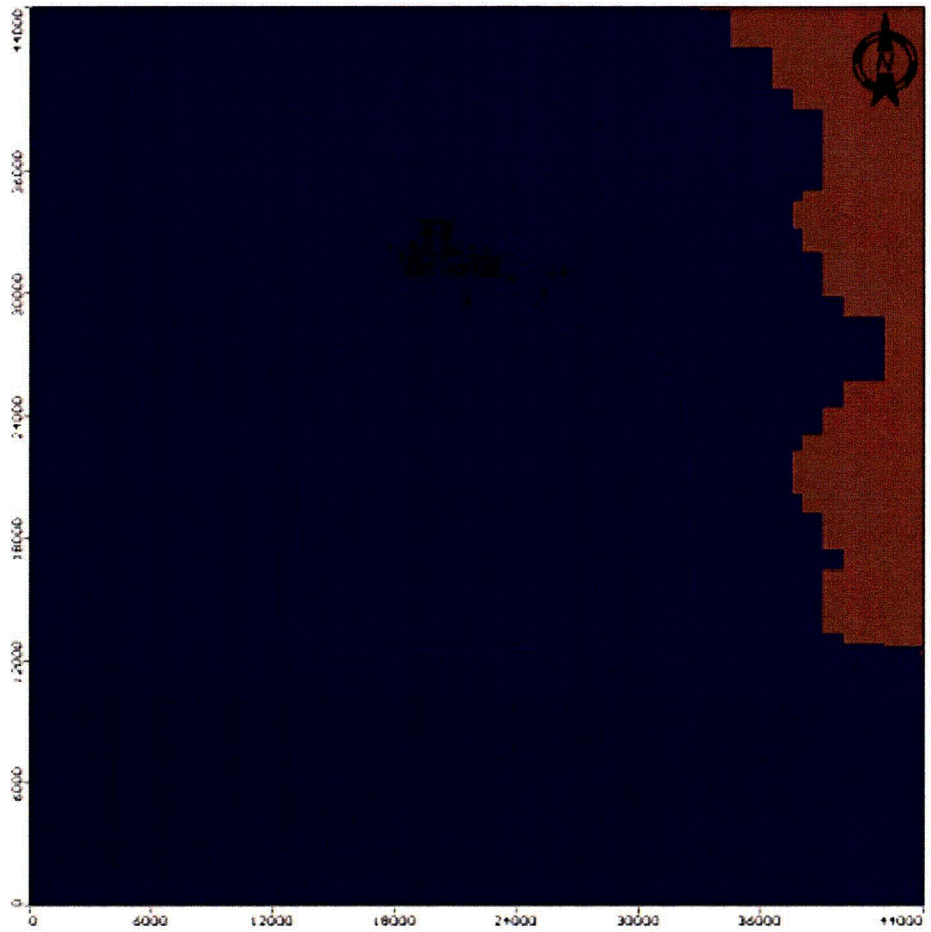
Legend: Dark blue = Sand. Brown = Inactive cells. Note: See Figure 10 for layout of well locations.

Figure 57: Hydraulic Conductivity in Model Layer 4



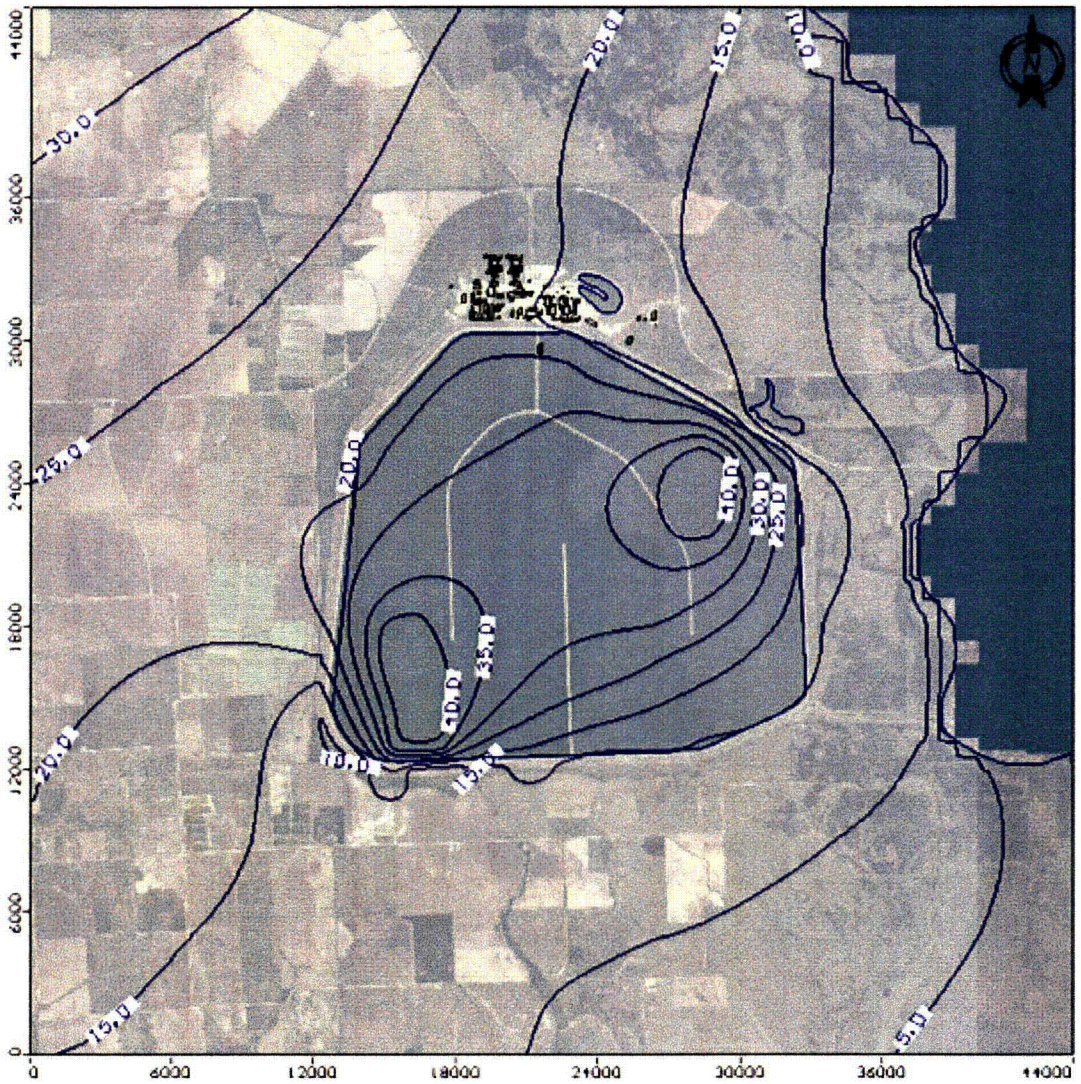
Legend: White = Clay. Brown = Inactive cells. Note: See Figure 10 for layout of well locations.

Figure 58: Hydraulic Conductivity in Model Layer 5



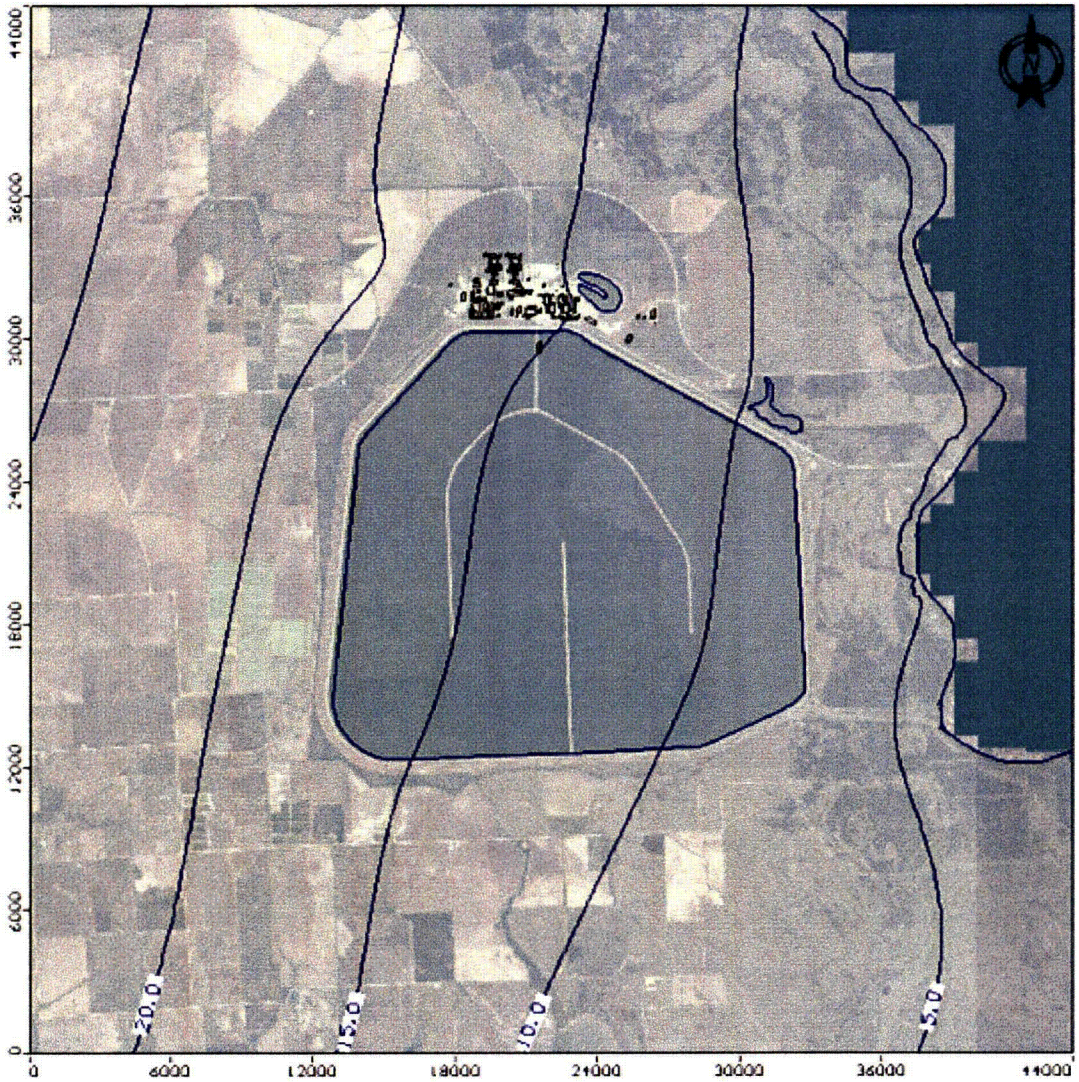
Legend: Dark blue = Sand. Brown = Inactive cells. Note: See Figure 10 for layout of well locations.

Figure 59: Hydraulic Conductivity in Model Layer 6



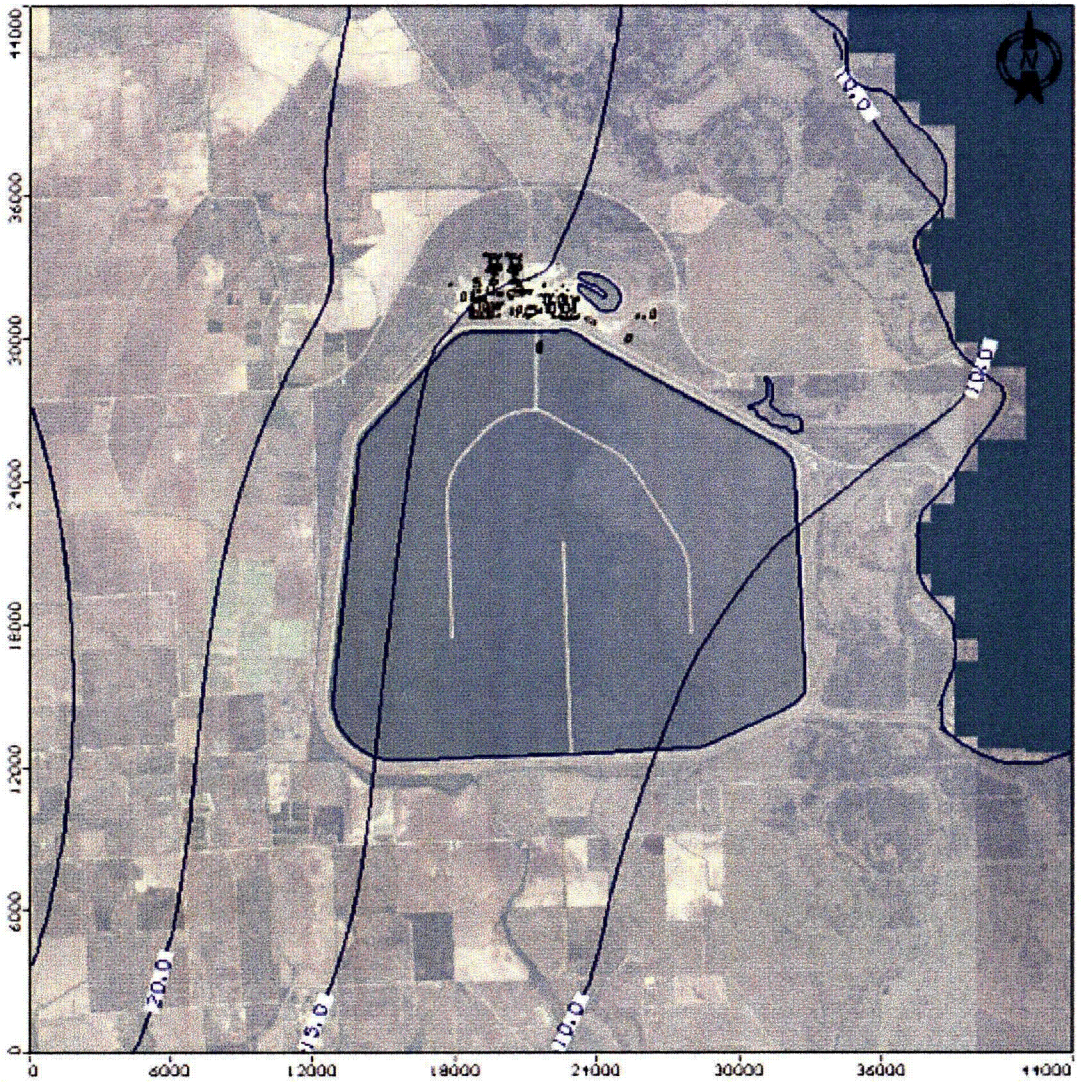
Note: Contour interval is 5 ft MSL (NGVD 29).

Figure 60: Simulated Groundwater Contours (Run 101) – Before Construction of STP 3 & 4 - Model Layer 2 (Stratum C)



Note: Contour interval is 5 ft MSL (NGVD 29).

Figure 61: Simulated Groundwater Contours (Run 101) – Before Construction of STP 3 & 4 - Model Layer 4 (Stratum E)



Note: Contour interval is 5 ft MSL (NGVD 29).

Figure 62: Simulated Groundwater Contours (Run 101) – Before Construction of STP 3 & 4 - Model Layer 6 (Stratum H)

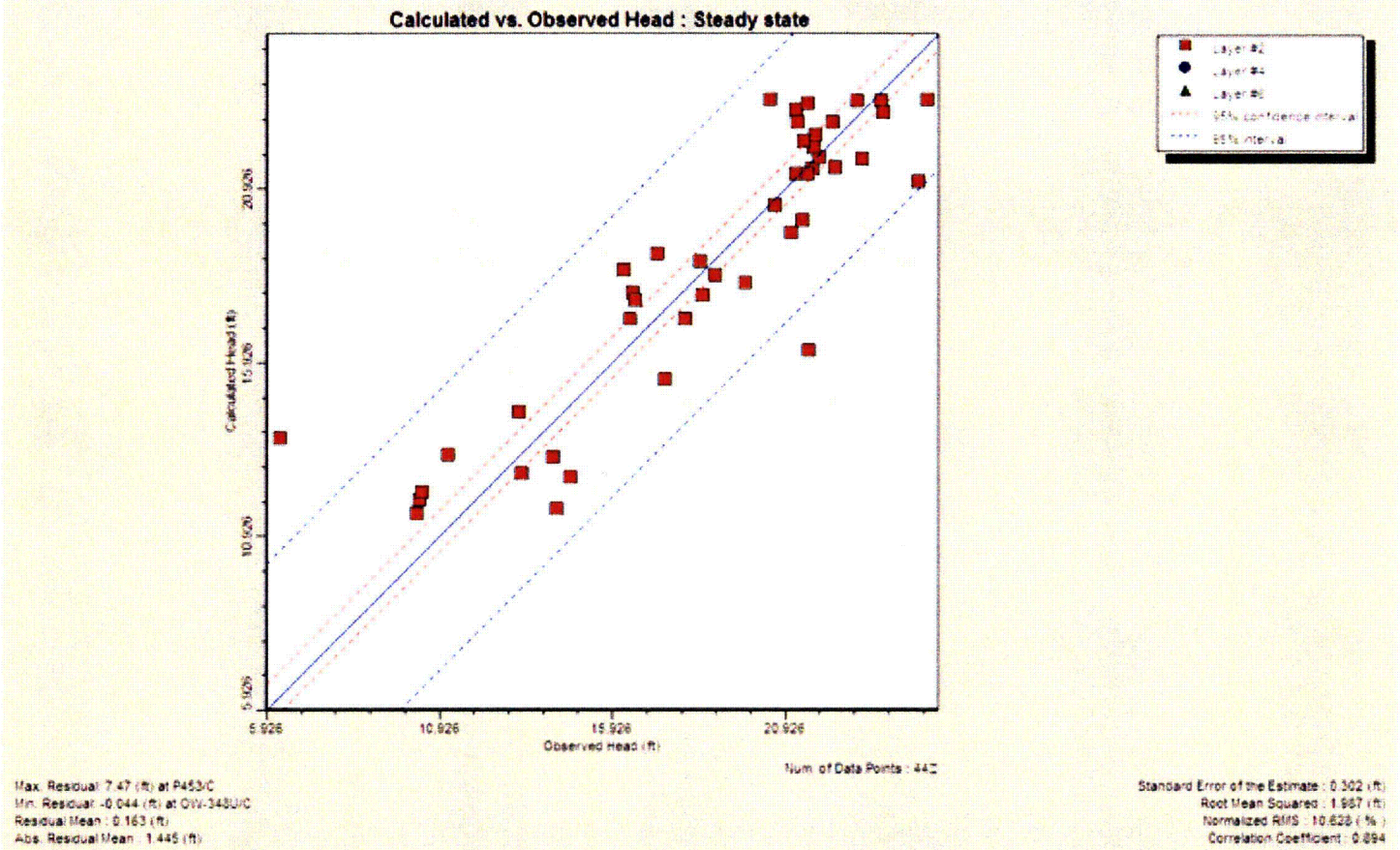


Figure 63: Calibration Graph (Run 101) – Before Construction of STP 3 & 4 - Model Layer 2 (Stratum C)

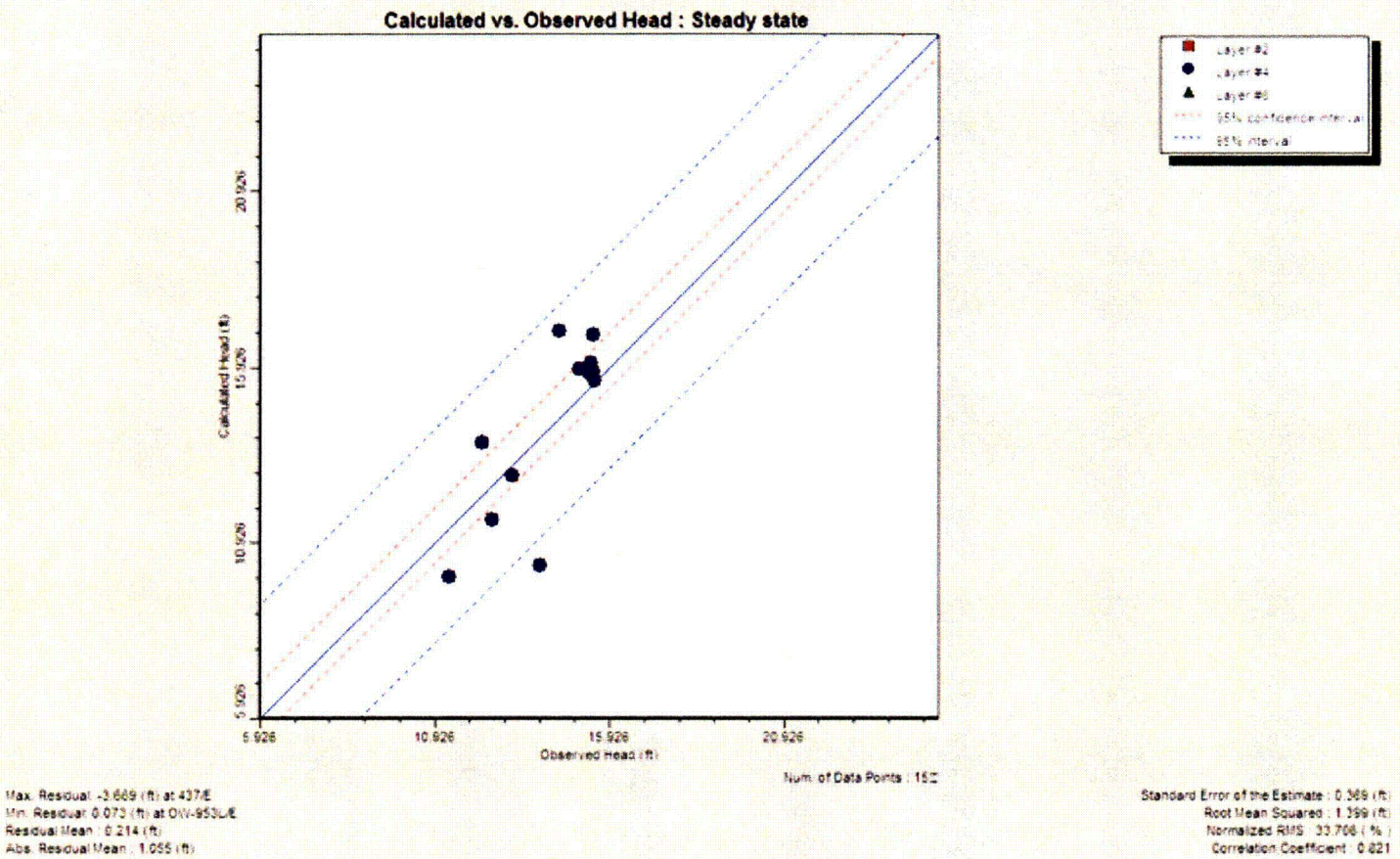


Figure 64: Calibration Graph (Run 101) – Before Construction of STP 3 & 4 - Model Layer 4 (Stratum E)

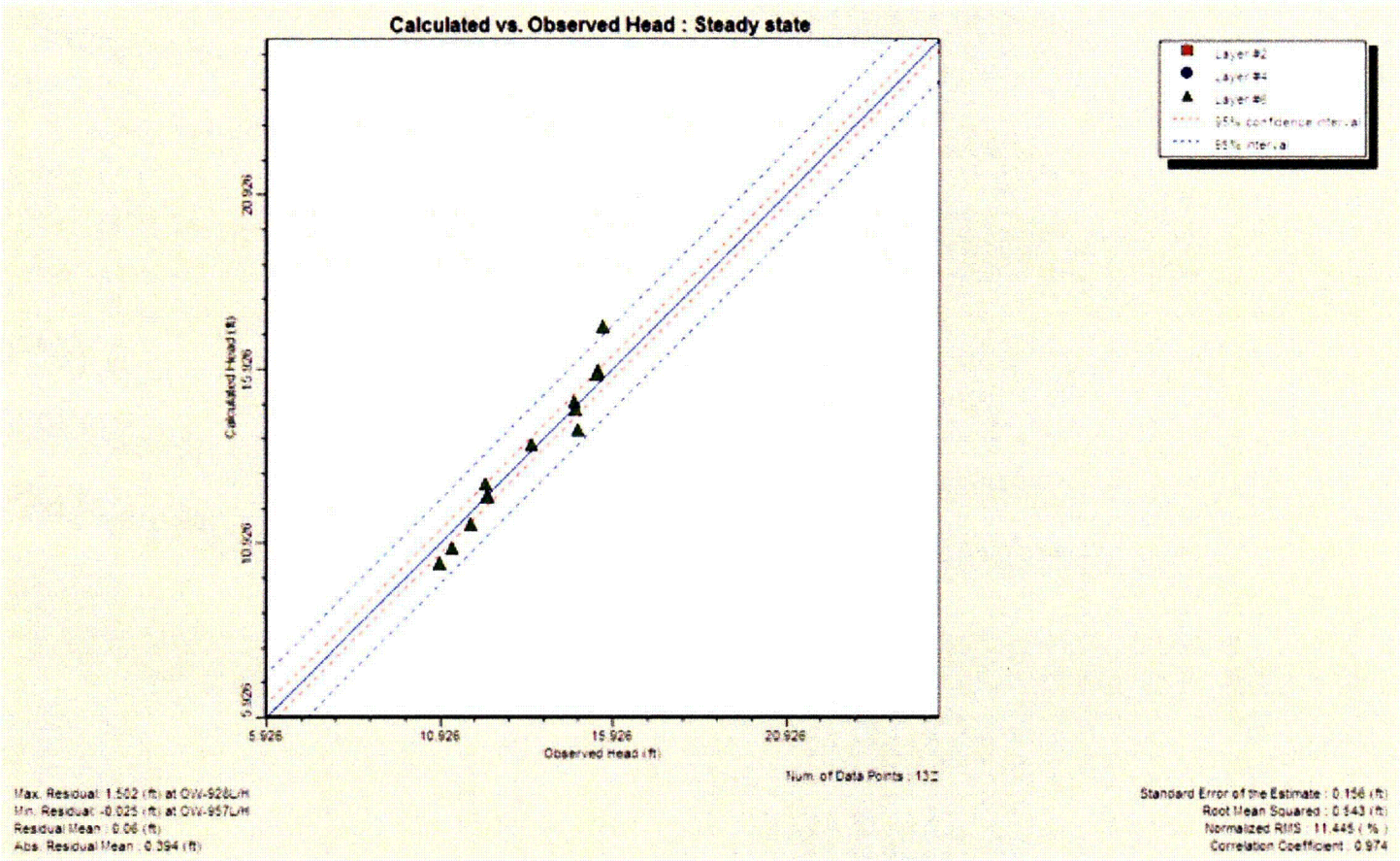


Figure 65: Calibration Graph (Run 101) – Before Construction of STP 3 & 4 - Model Layer 6 (Stratum H)

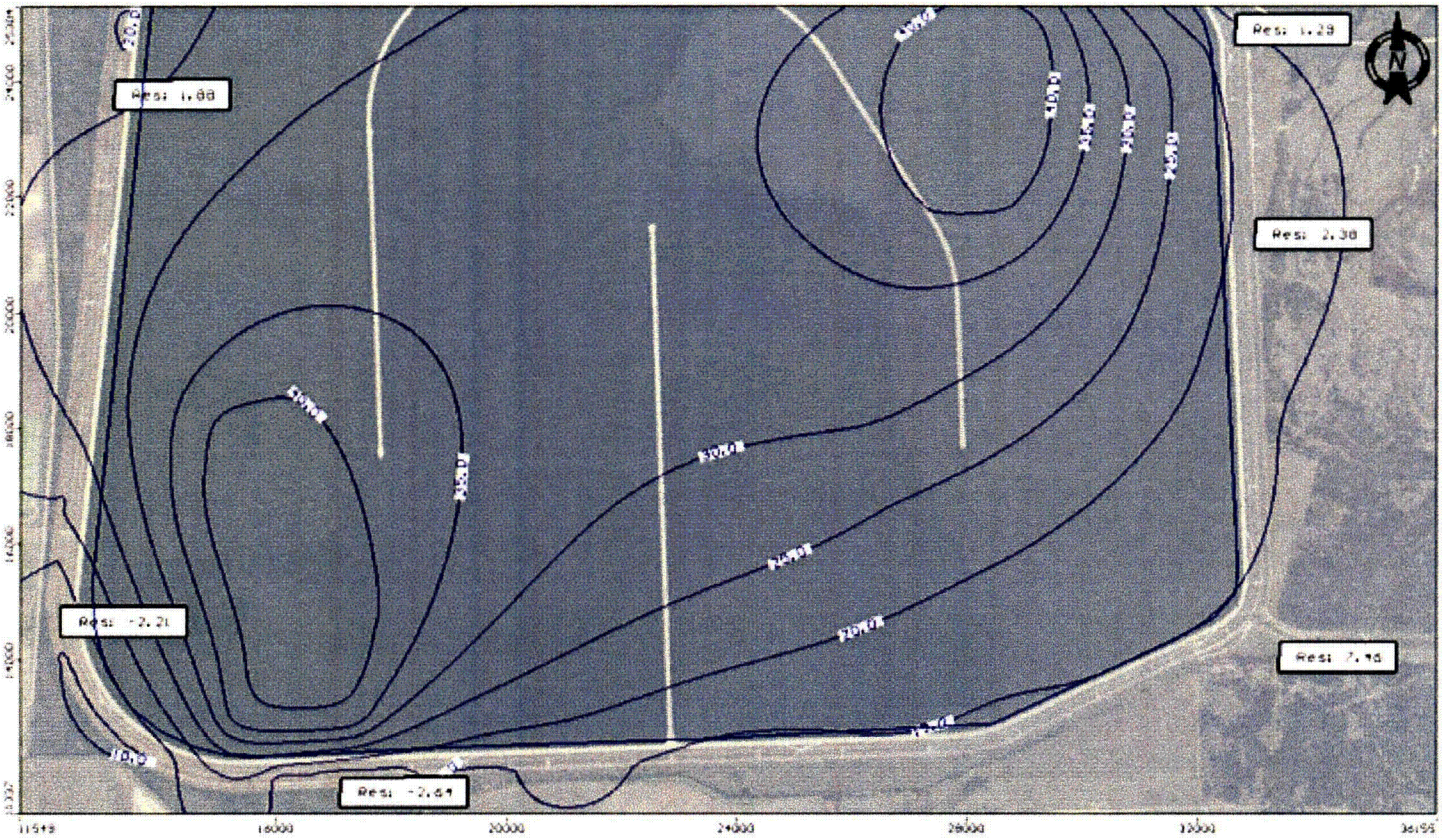


Figure 66: Calibration Residual Locations (Run 101) – Before Construction of STP 3 & 4 - Model Layer 2 (Stratum C) – MCR

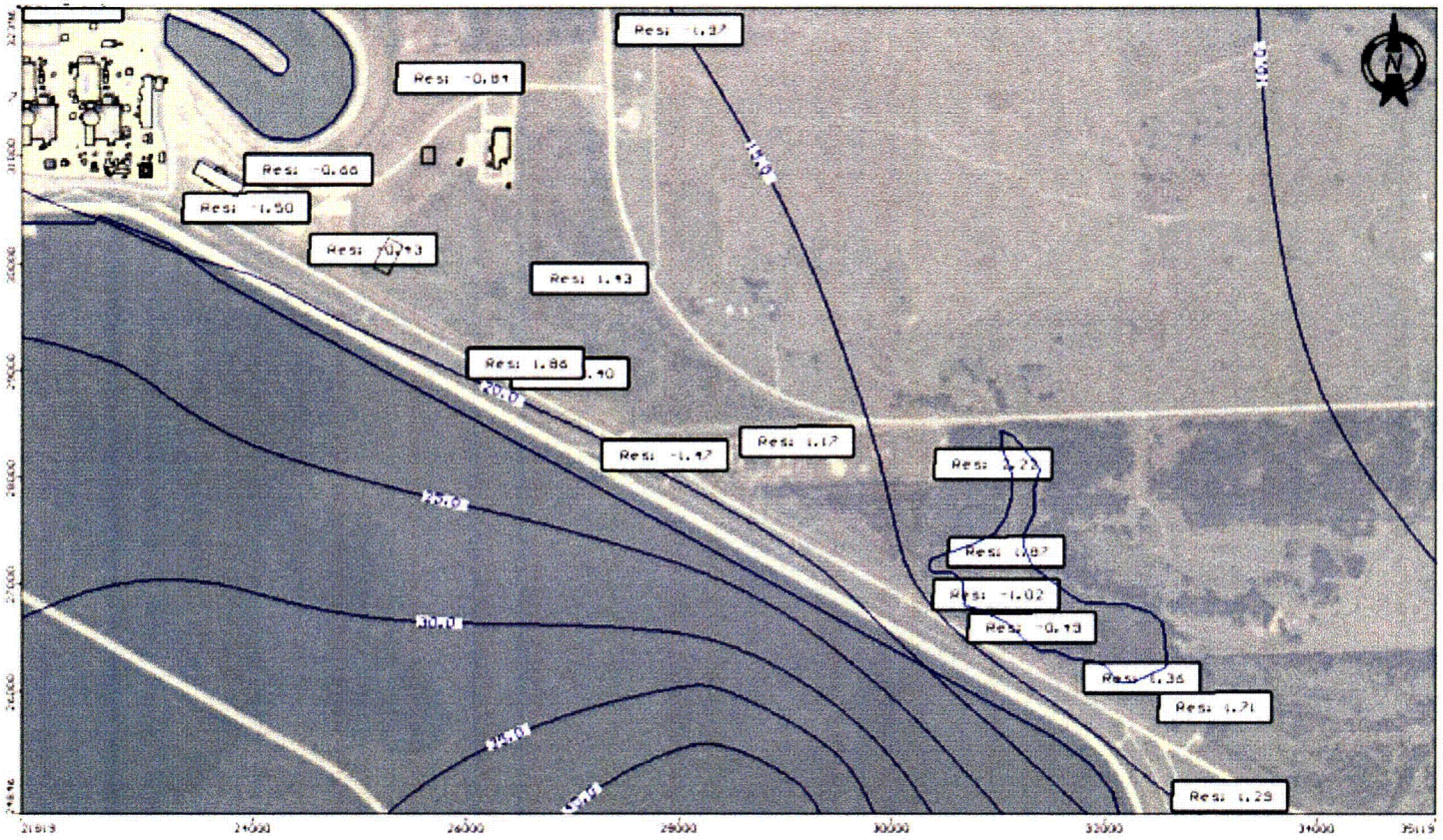


Figure 67: Calibration Residual Locations (Run 101) – Before Construction of STP 3 & 4 - Model Layer 2 (Stratum C) – Kelly Lake

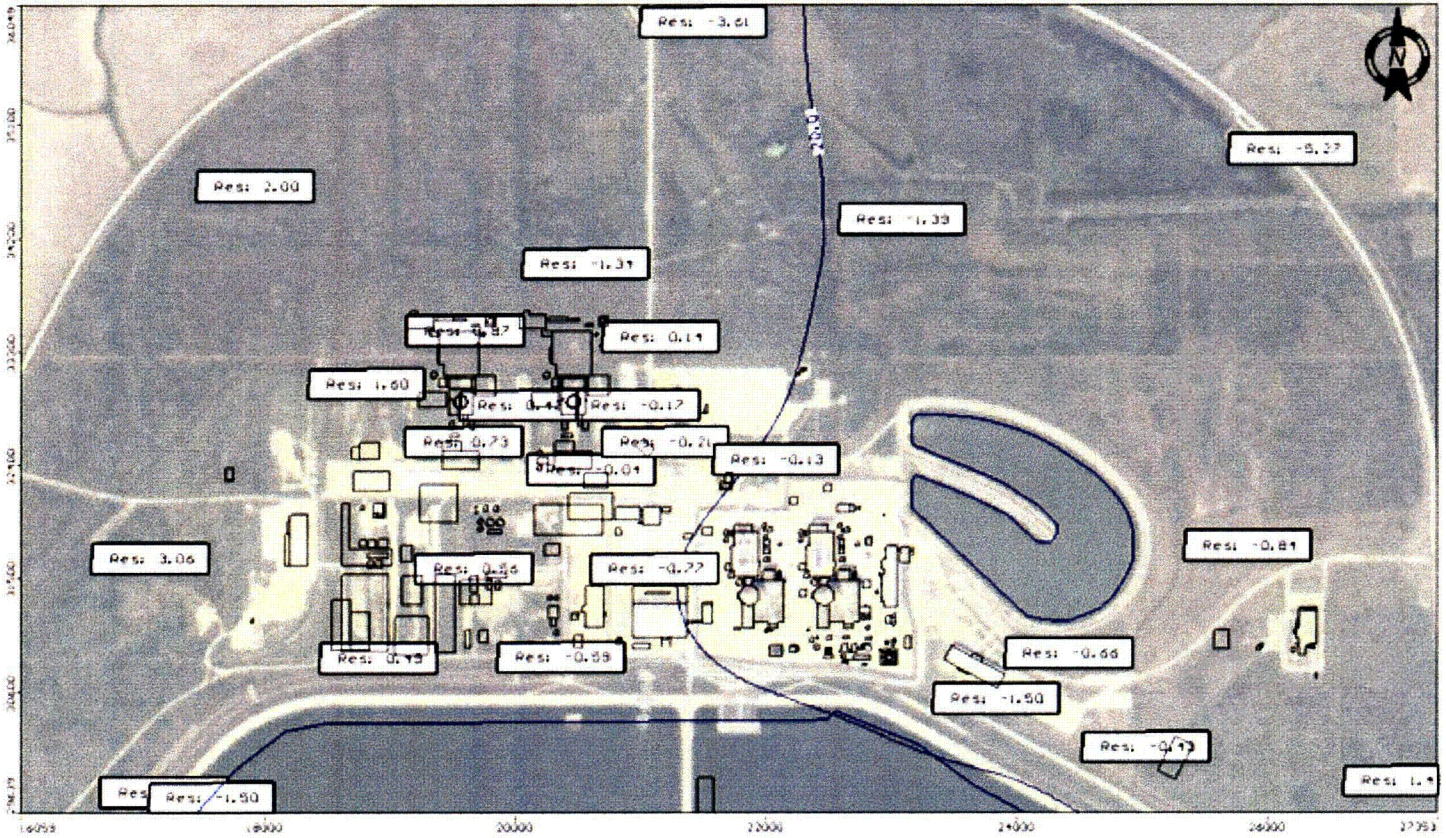


Figure 68: Calibration Residual Locations (Run 101) – Before Construction of STP 3 & 4 - Model Layer 2 (Stratum C) – Plant Area

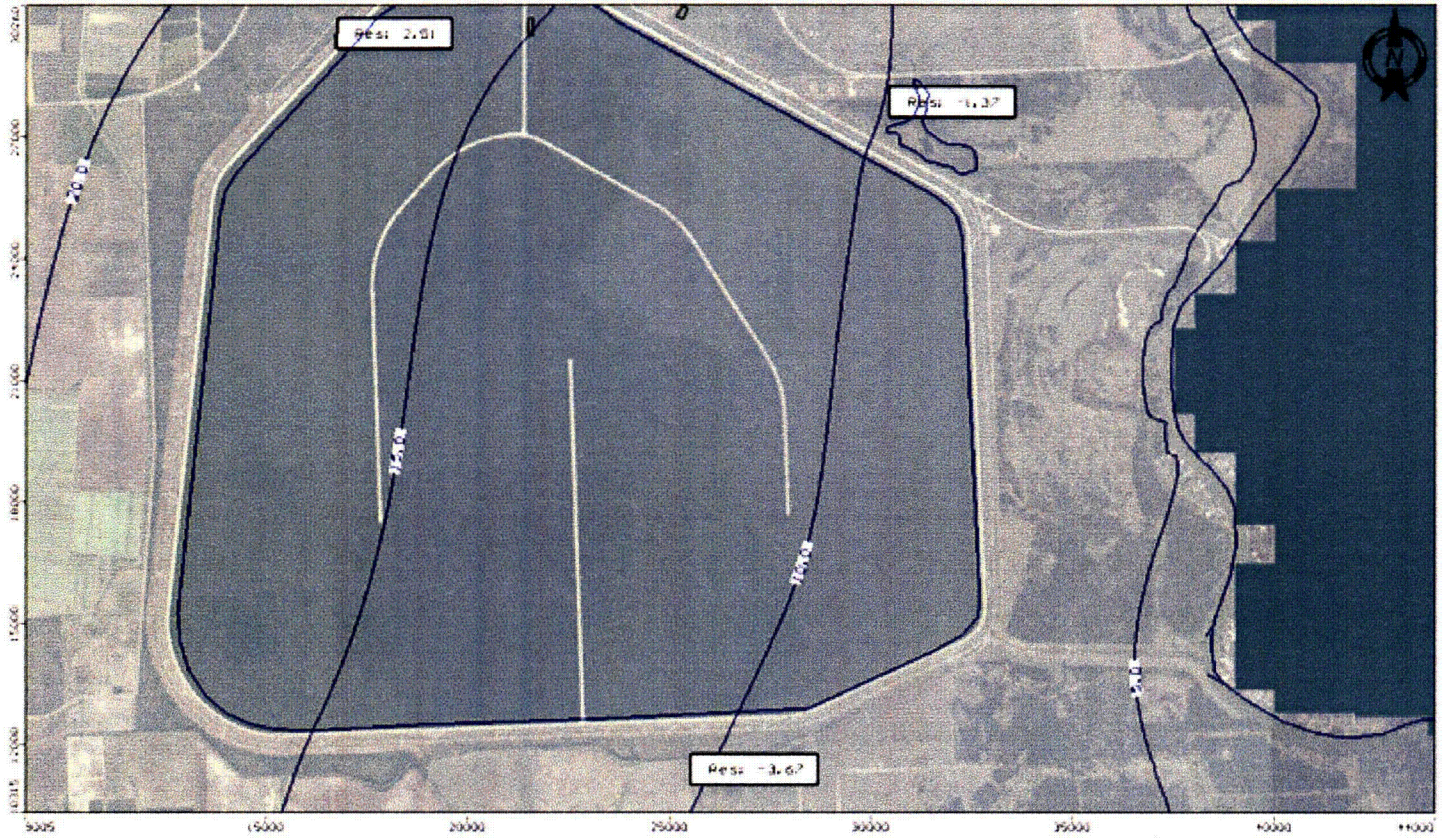


Figure 69: Calibration Residual Locations (Run 101) – Before Construction of STP 3 & 4 - Model Layer 4 (Stratum E) – South MCR

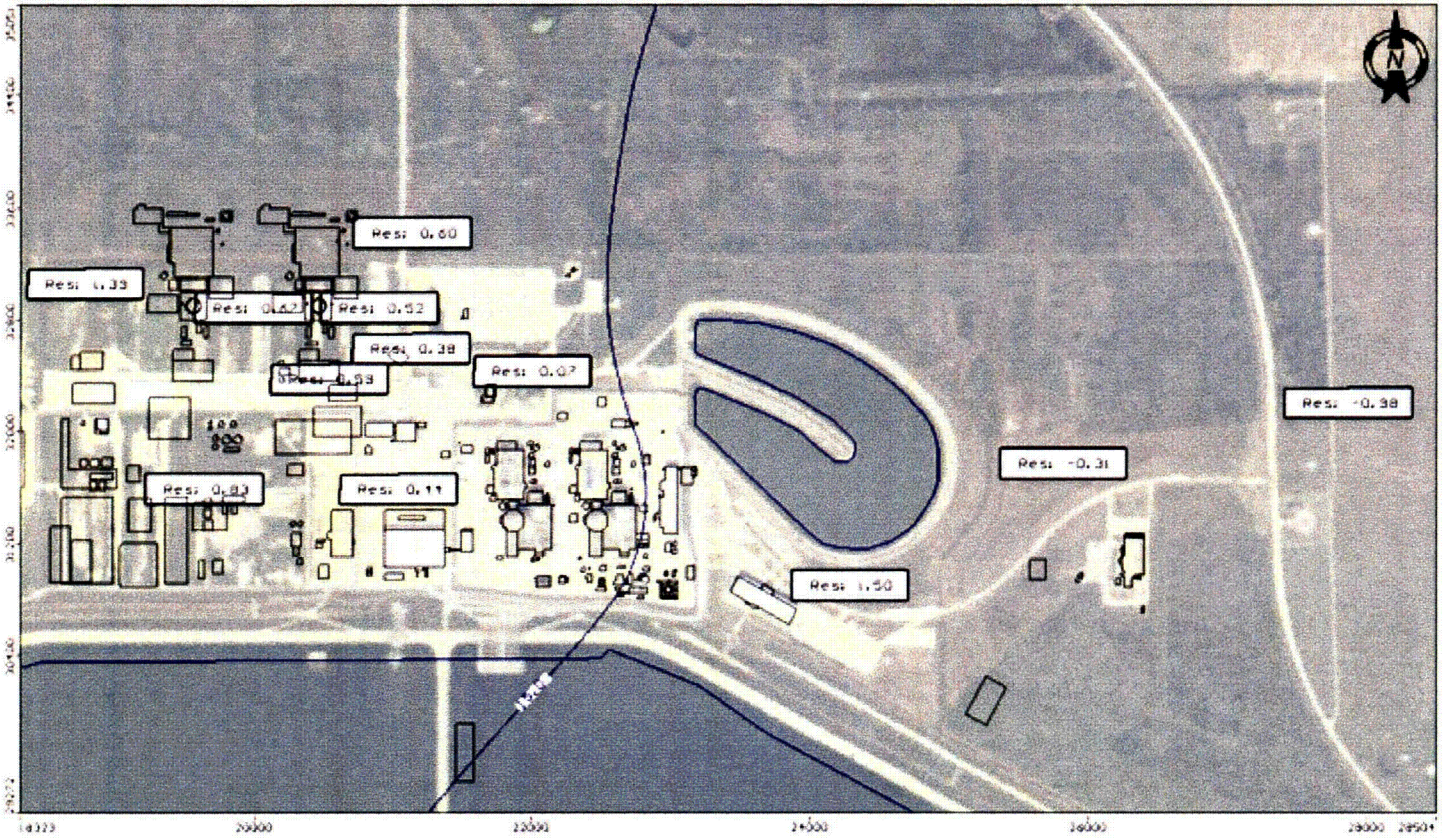


Figure 70: Calibration Residual Locations (Run 101) – Before Construction of STP 3 & 4 - Model Layer 4 (Stratum E) – Plant Area

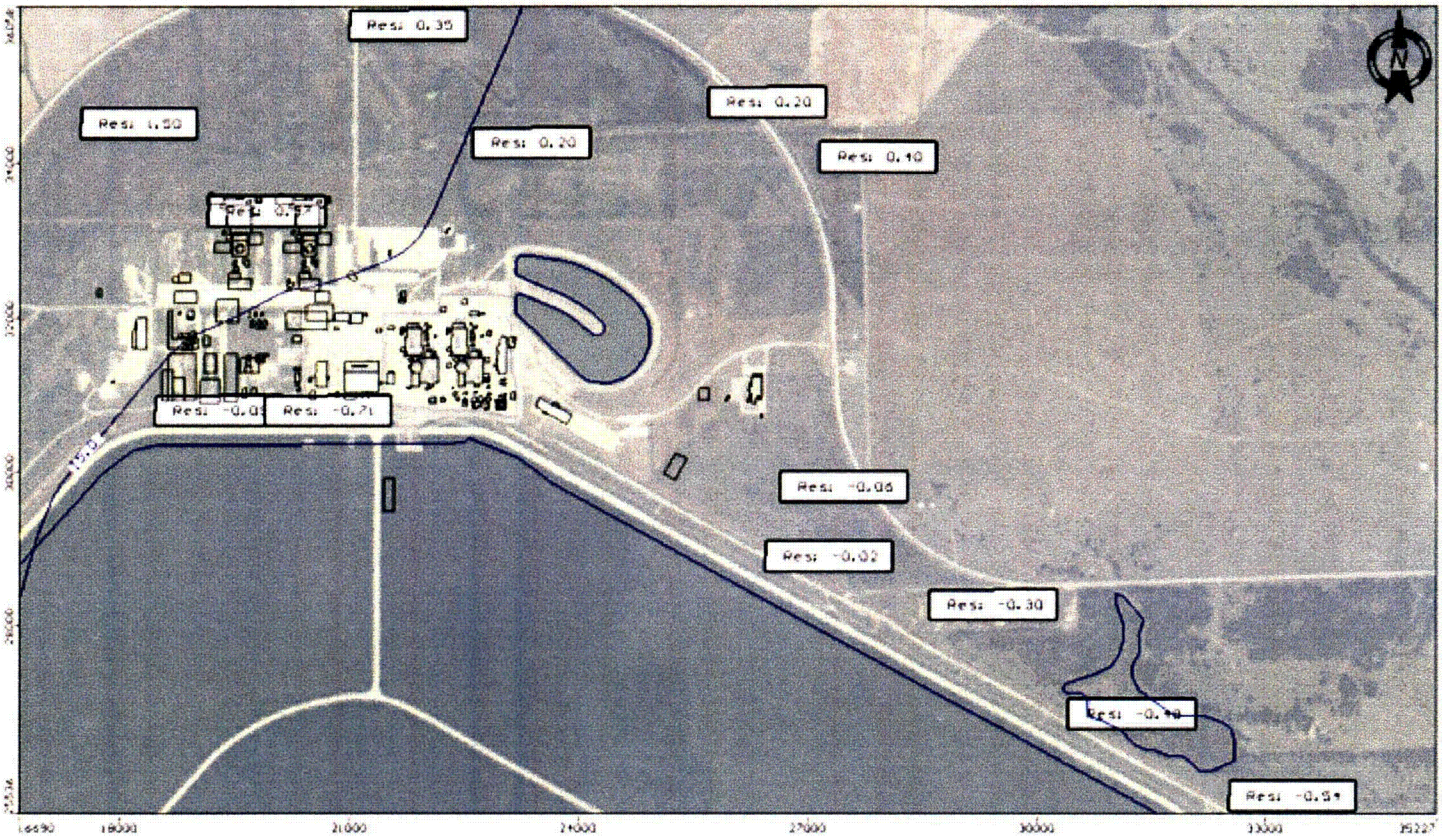


Figure 71: Calibration Residual Locations (Run 101) – Before Construction of STP 3 & 4 - Model Layer 6 (Stratum H) – Plant Area

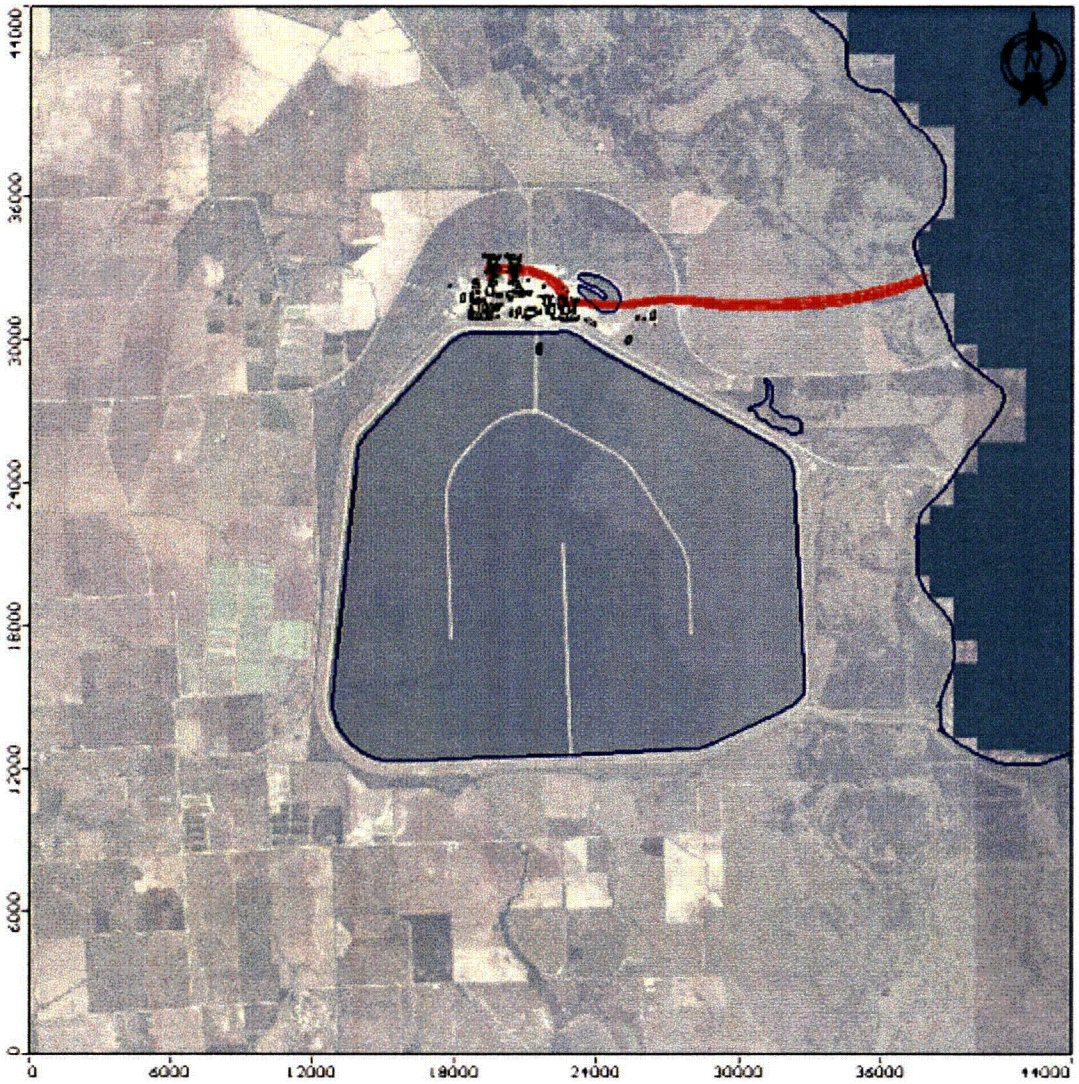
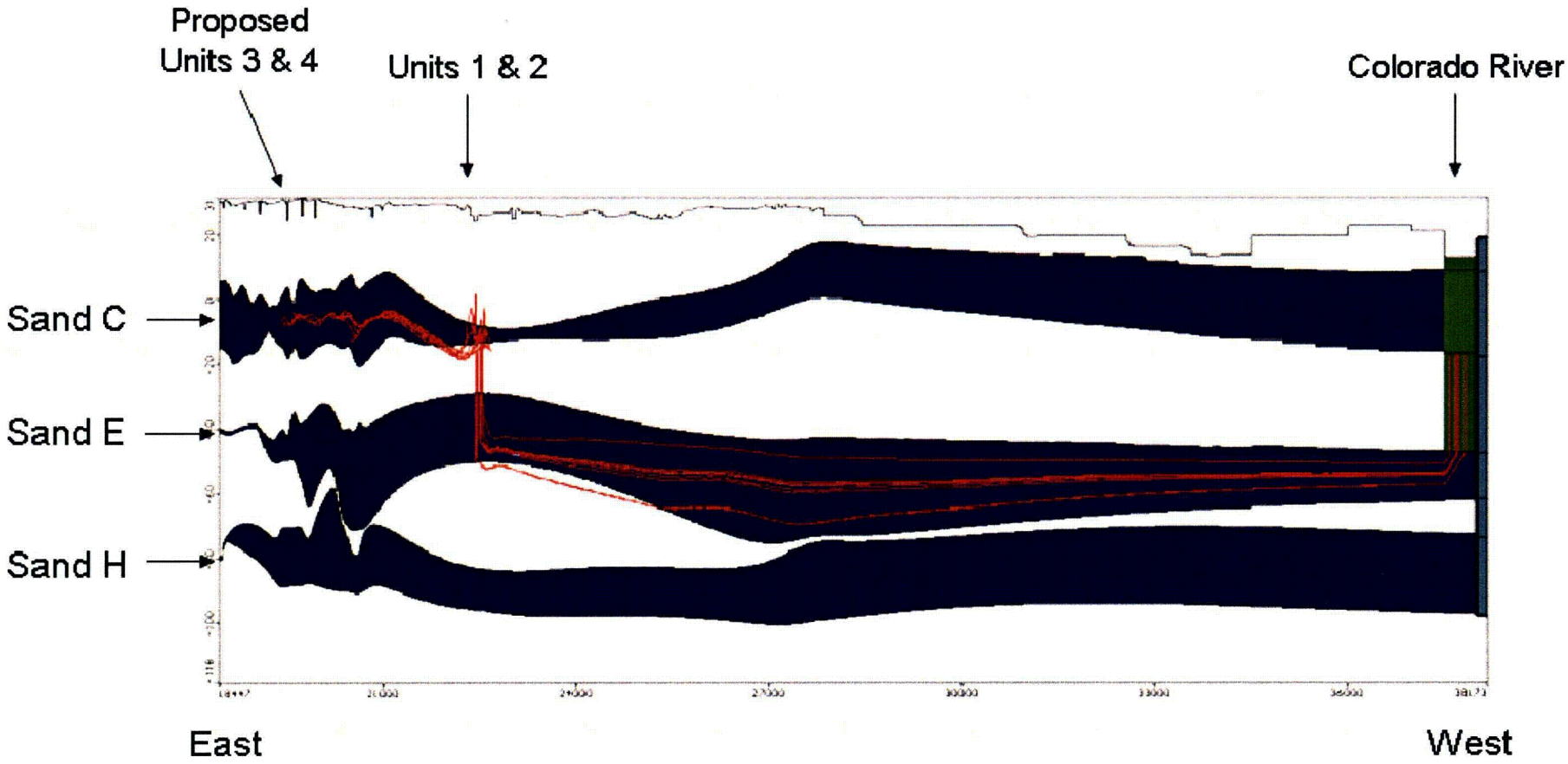


Figure 72: Particle Tracking from STP 3 & 4 (Run 101) – Before Construction of STP 3 & 4 – Release from Model Layer 2 (Stratum C) – Plan



Note: Section line is south of STP 1 & 2, rendering structural backfill not visible.

Figure 73: Particle Tracking from STP 3 & 4 (Run 101) – Before Construction of STP 3 & 4 – Release from Model Layer 2 (Stratum C) – Section

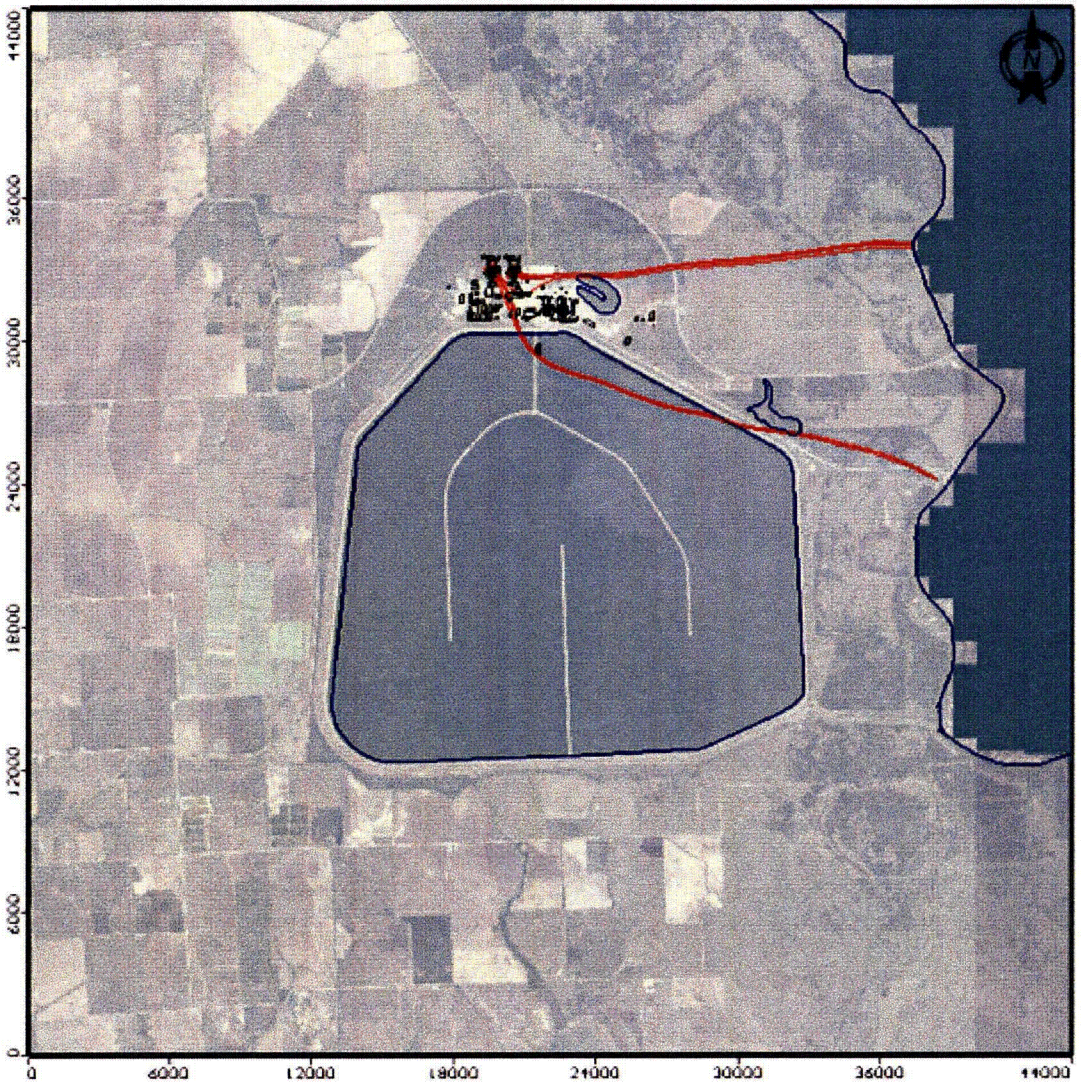
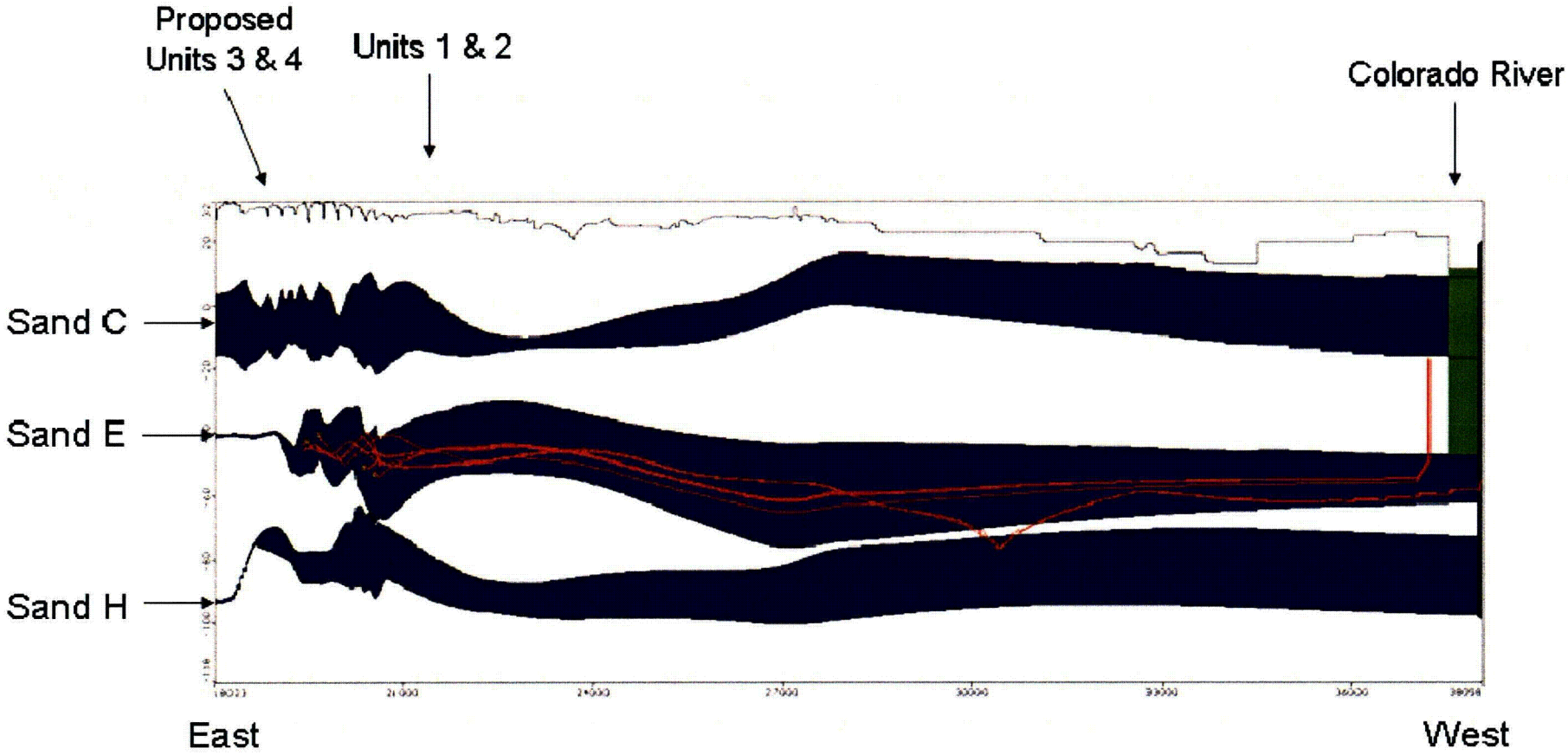


Figure 74: Particle Tracking from STP 3 & 4 (Run 101) – Before Construction of STP 3 & 4 – Release from Model Layer 4 (Stratum E) - Plan



Note: Section line is south of STP 1 & 2, rendering structural backfill not visible.

Figure 75: Particle Tracking from STP 3 & 4 (Run 101) – Before Construction of STP 3 & 4 – Release from Model Layer 4 (Stratum E) – Section

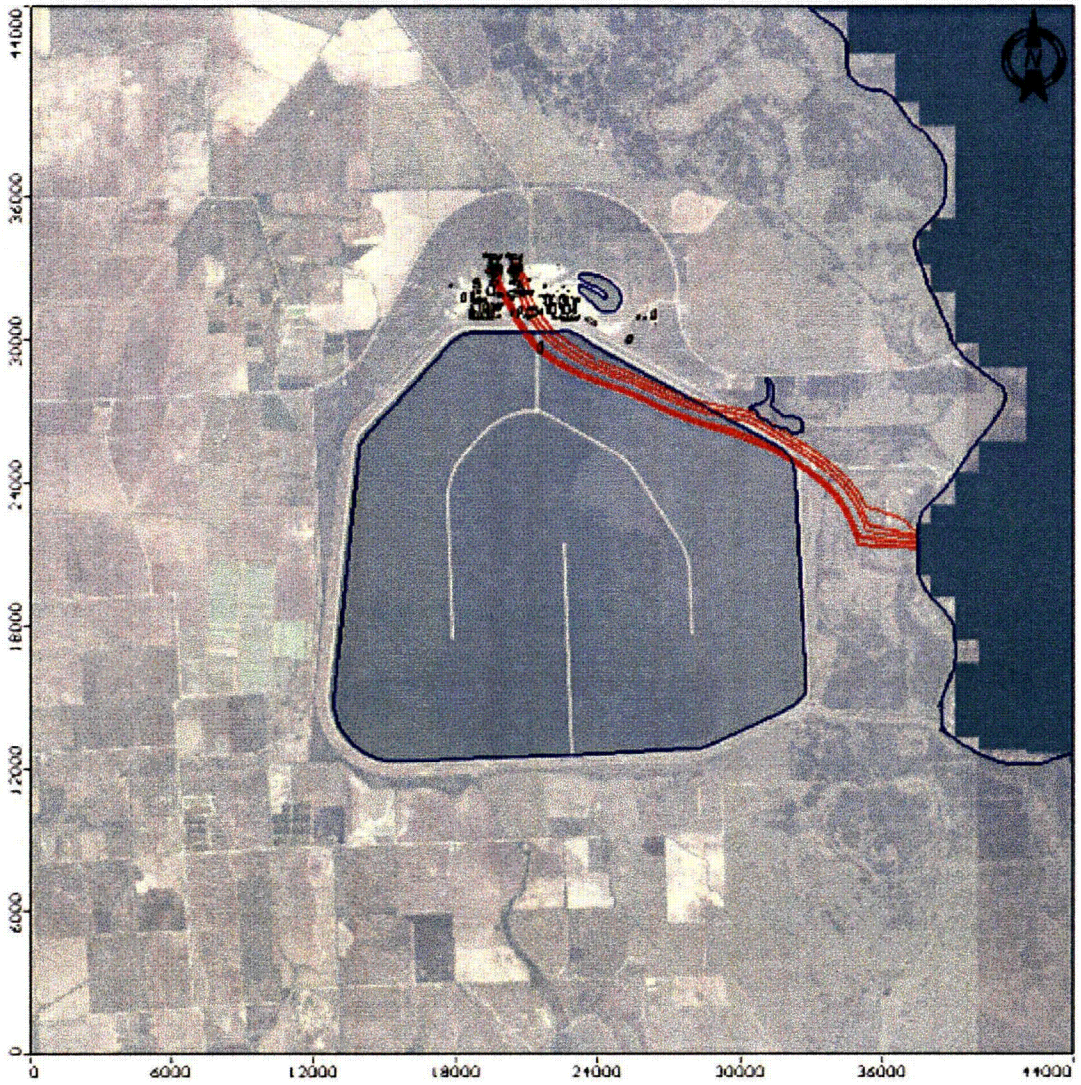
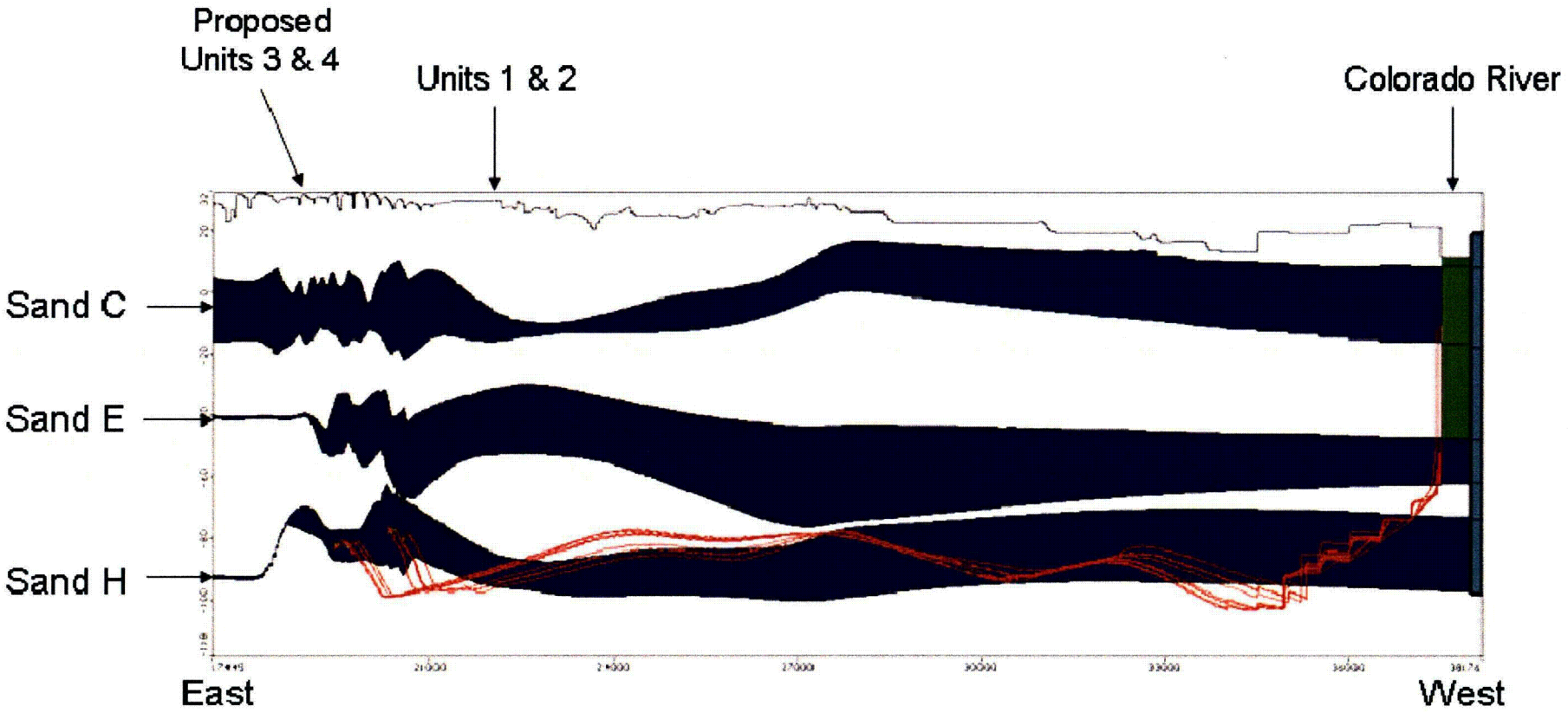


Figure 76: Particle Tracking from STP 3 & 4 (Run 101) – Before Construction of STP 3 & 4 – Release from Model Layer 6 (Stratum H) - Plan



Note: Section line is south of STP 1 & 2, rendering structural backfill not visible.

Figure 77: Particle Tracking from STP 3 & 4 (Run 101) – Before Construction of STP 3 & 4 – Release from Model Layer 6 (Stratum H) – Section

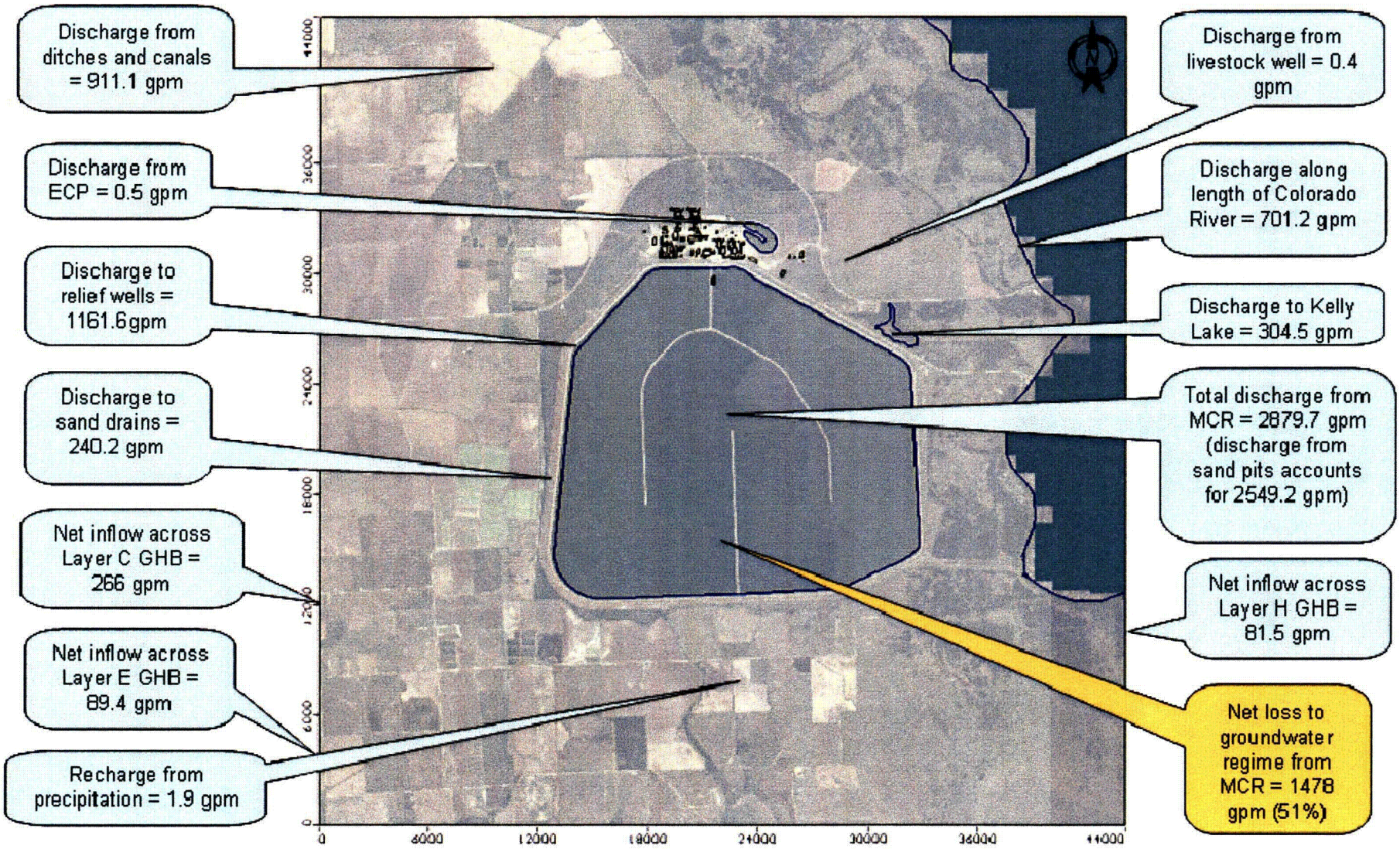


Figure 78: Zone Budget (Run 101)

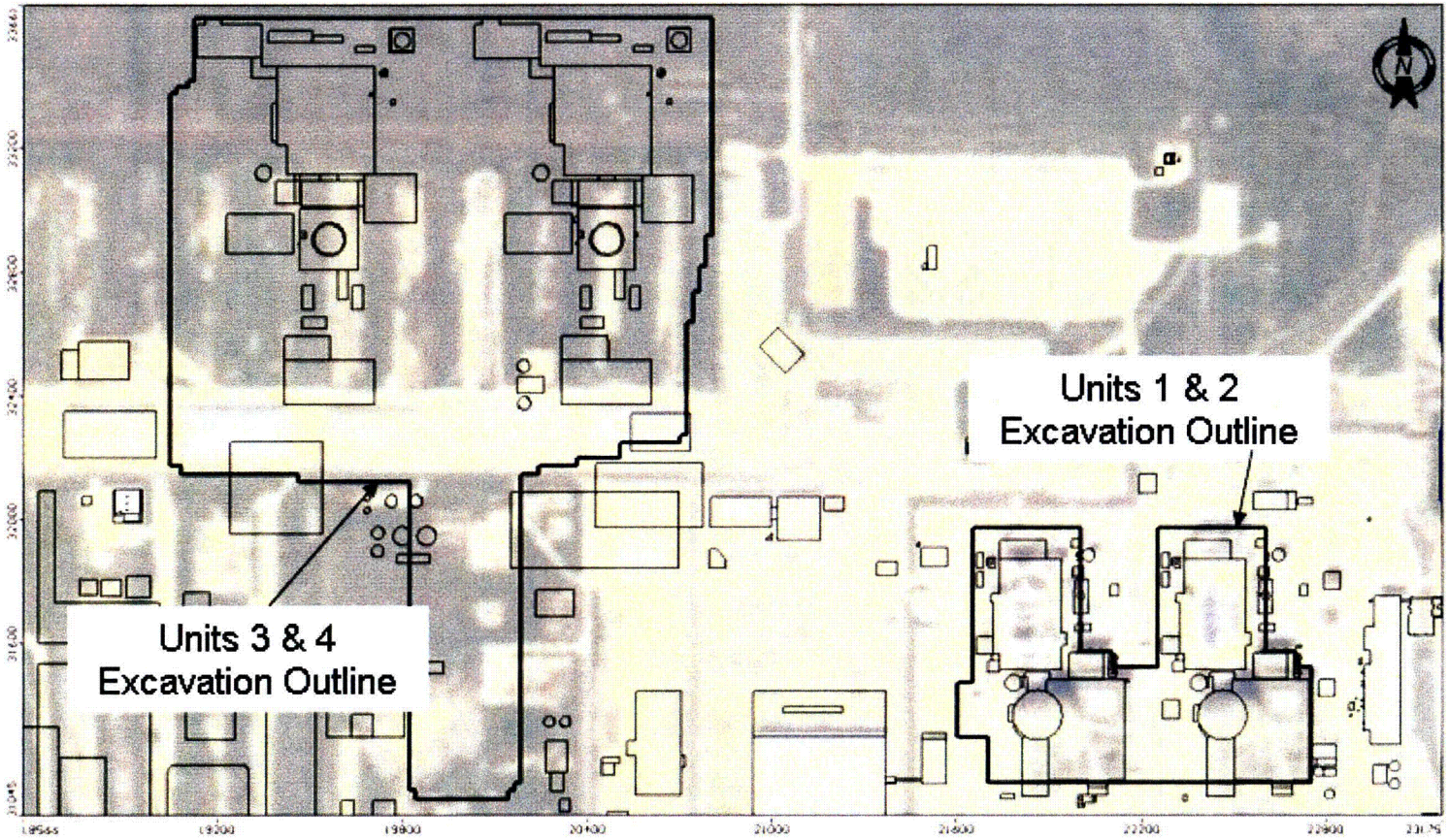
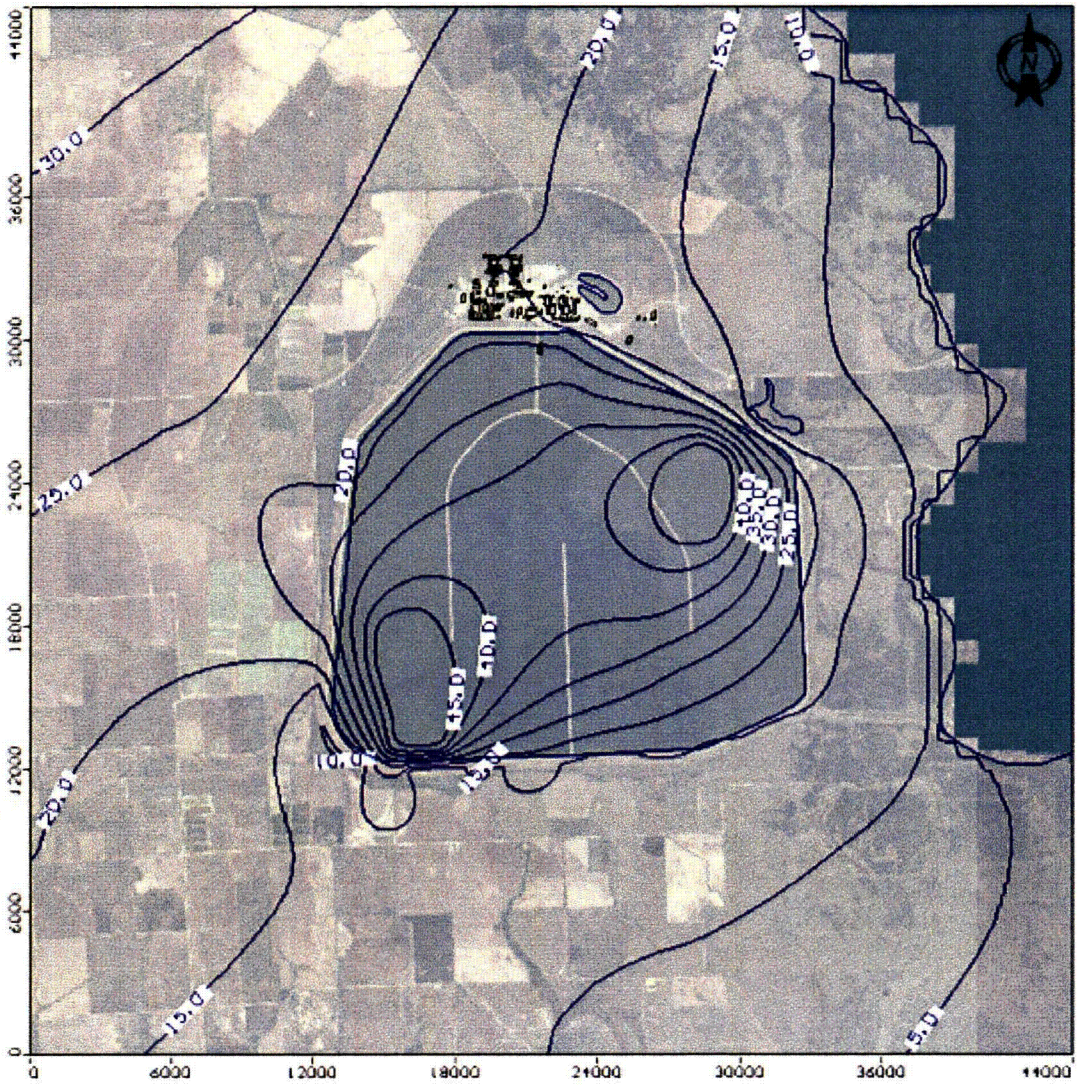
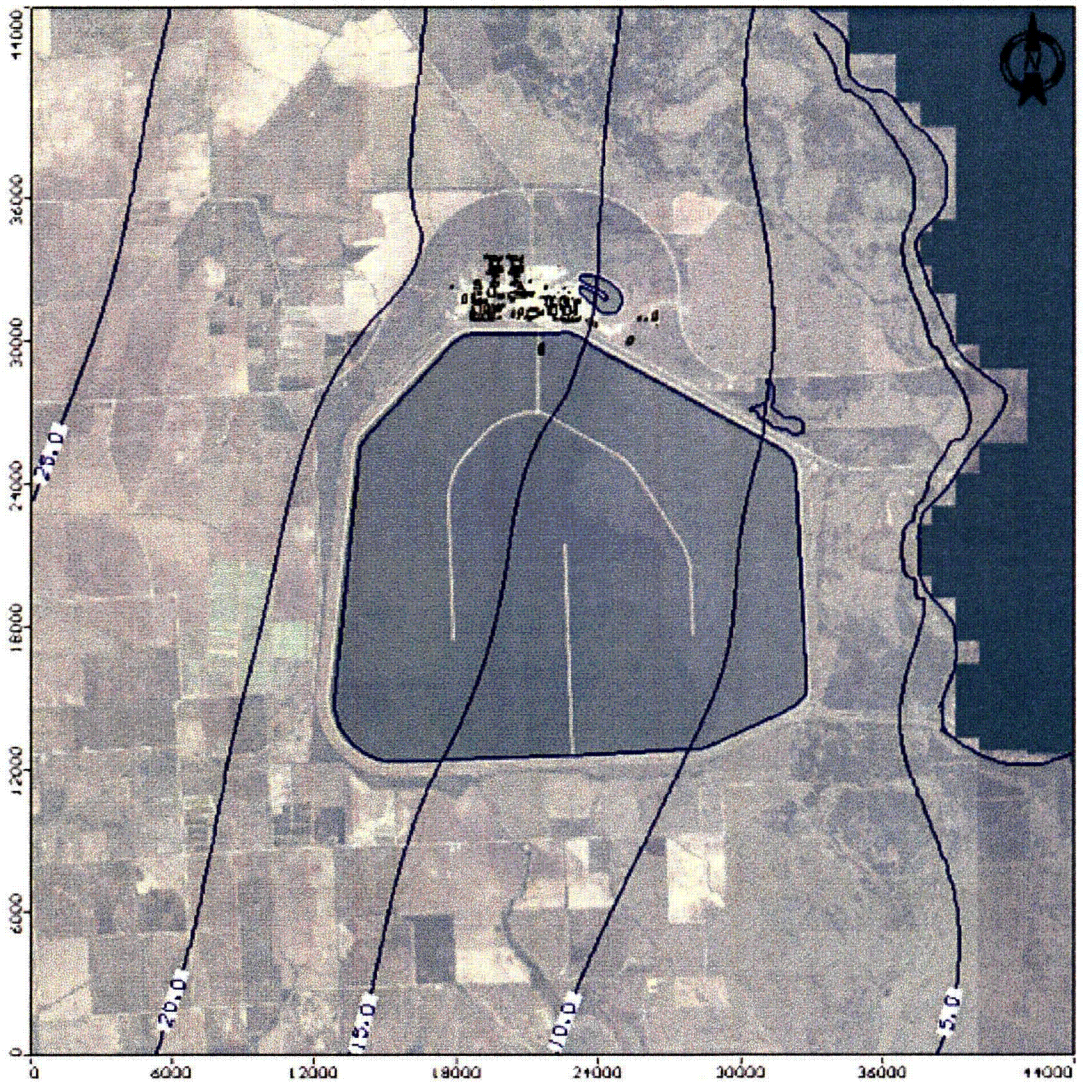


Figure 79: Location and Extent of Excavation Outlines (Run 101)



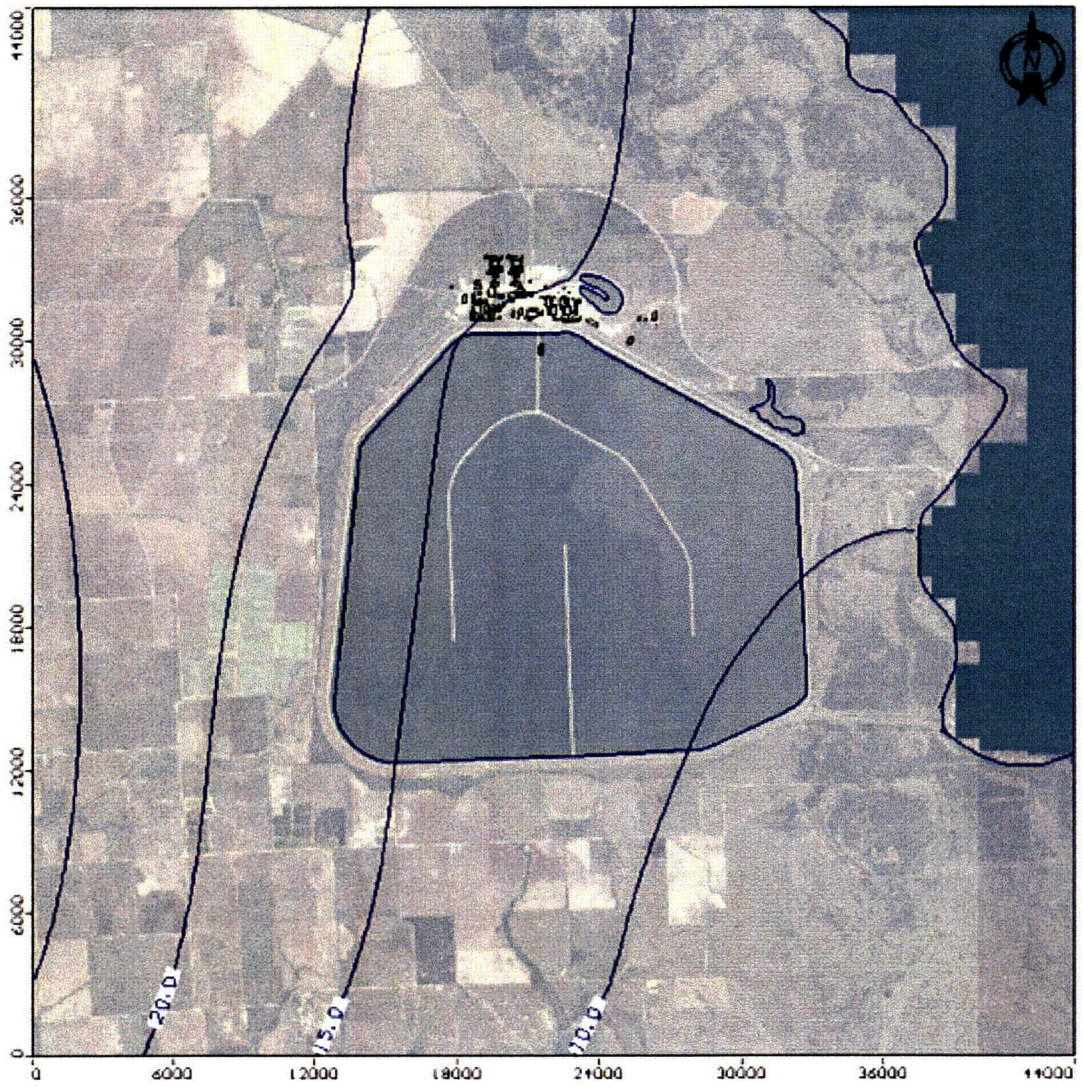
Note: Contour interval is 5 ft MSL (NGVD 29).

Figure 80: Simulated Groundwater Contours (Run 101) – With STP 3 & 4 Excavation but no Slurry Wall - Model Layer 2 (Stratum C)



Note: Contour interval is 5 ft MSL (NGVD 29).

Figure 81: Simulated Groundwater Contours (Run 101) – With STP 3 & 4 Excavation but no Slurry Wall - Model Layer 4 (Stratum E)



Note: Contour interval is 5 ft MSL (NGVD 29).

Figure 82: Simulated Groundwater Contours (Run 101) – With STP 3 & 4 Excavation but no Slurry Wall - Model Layer 6 (Stratum H)

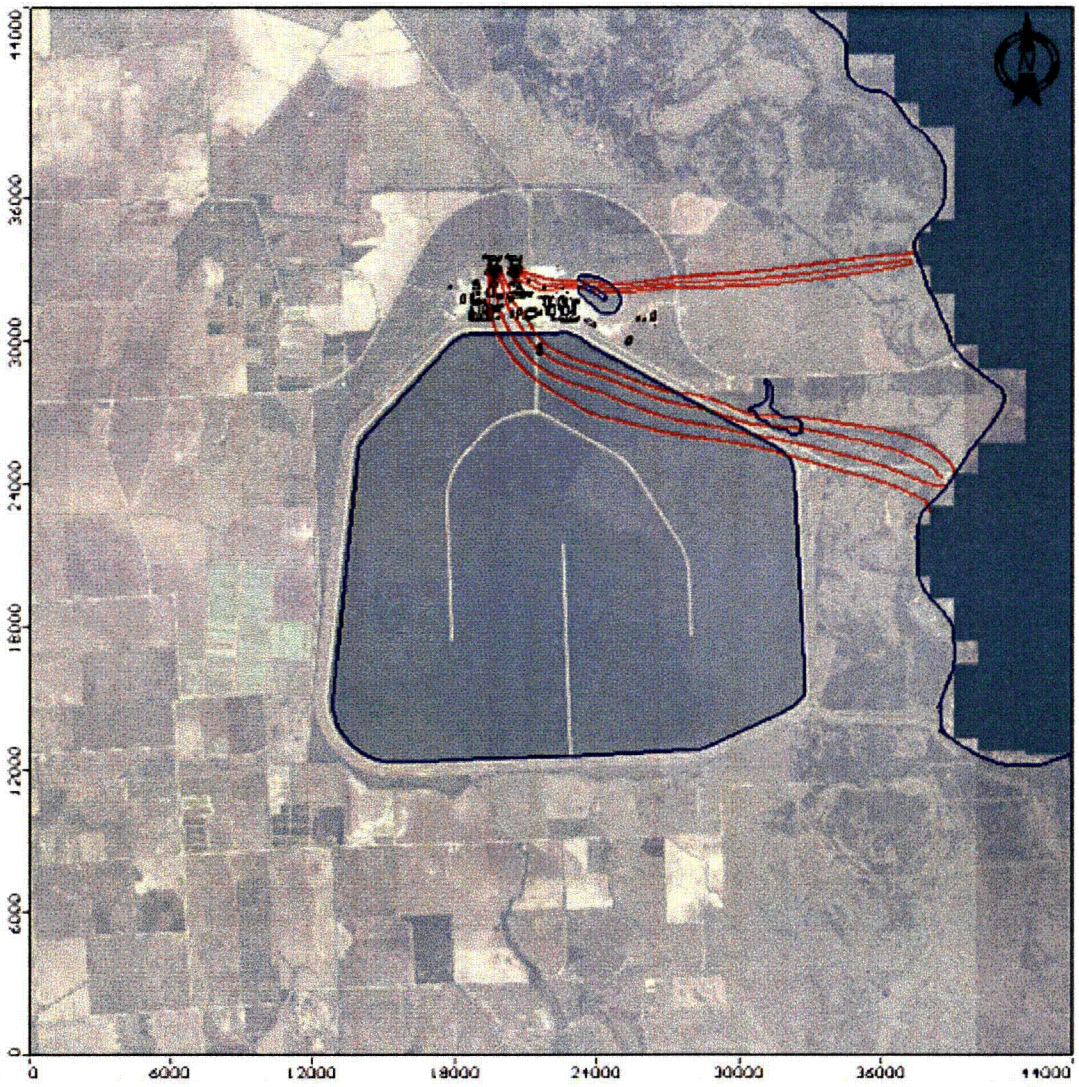


Figure 83: Particle Tracking from STP 3 & 4 (Run 101) – With STP 3 & 4 Excavation but no Slurry Wall – Release from Model Layer 2 (Stratum C) – Plan

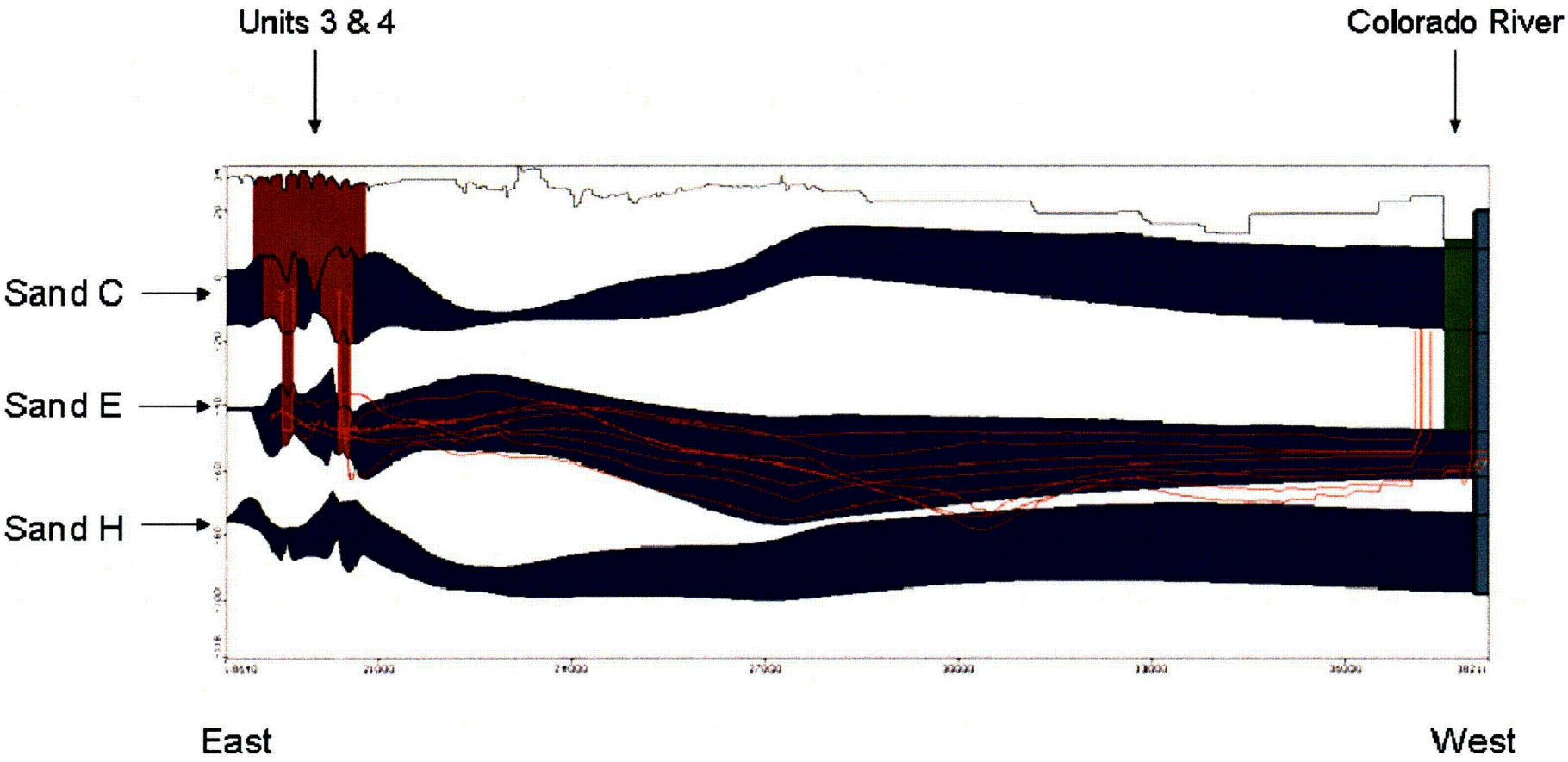


Figure 84: Particle Tracking from STP 3 & 4 (Run 101) – With STP 3 & 4 Excavation but no Slurry Wall – Release from Model Layer 2 (Stratum C) – Section

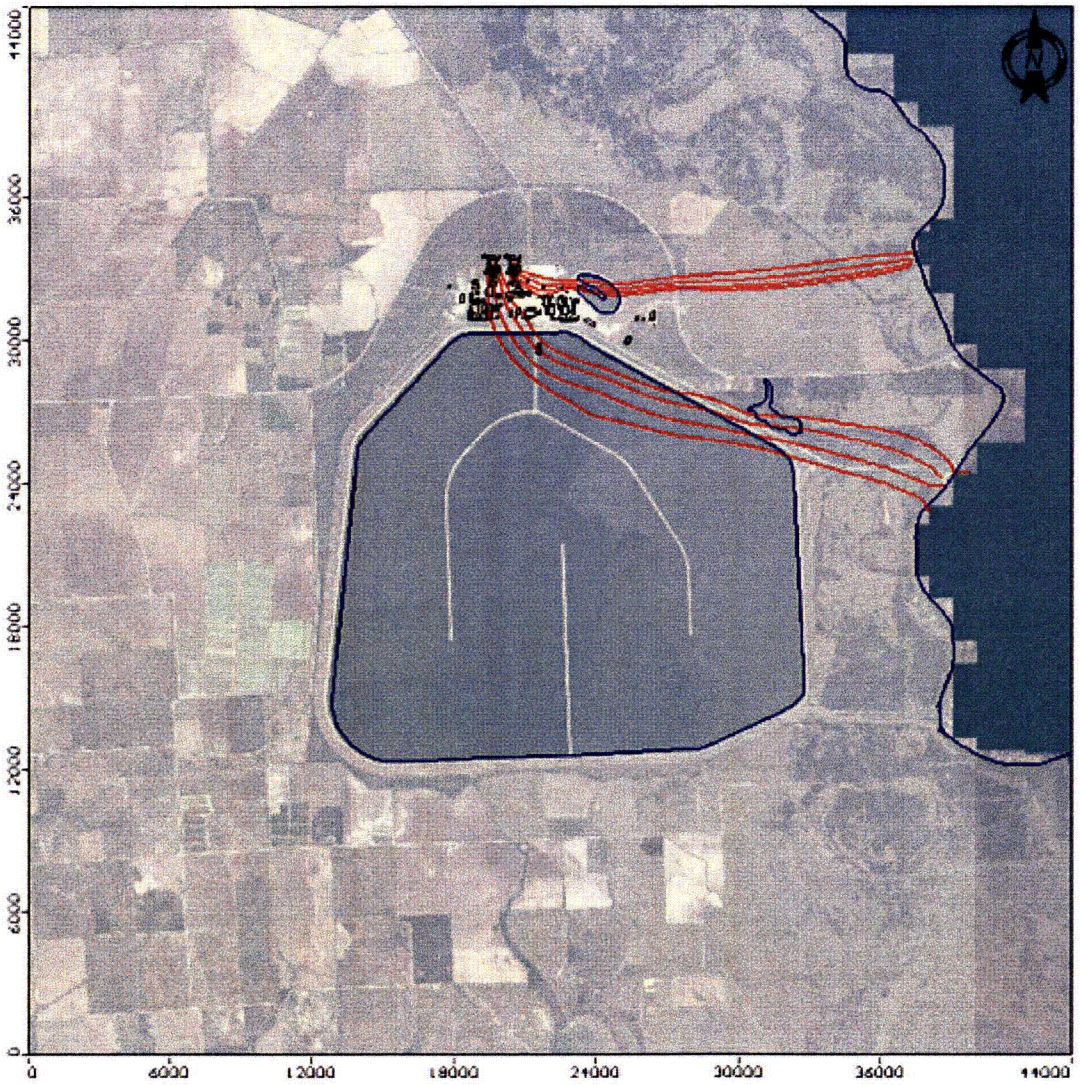


Figure 85: Particle Tracking from STP 3 & 4 (Run 101) – With STP 3 & 4 Excavation but no Slurry Wall – Release from Model Layer 4 (Stratum E) – Plan

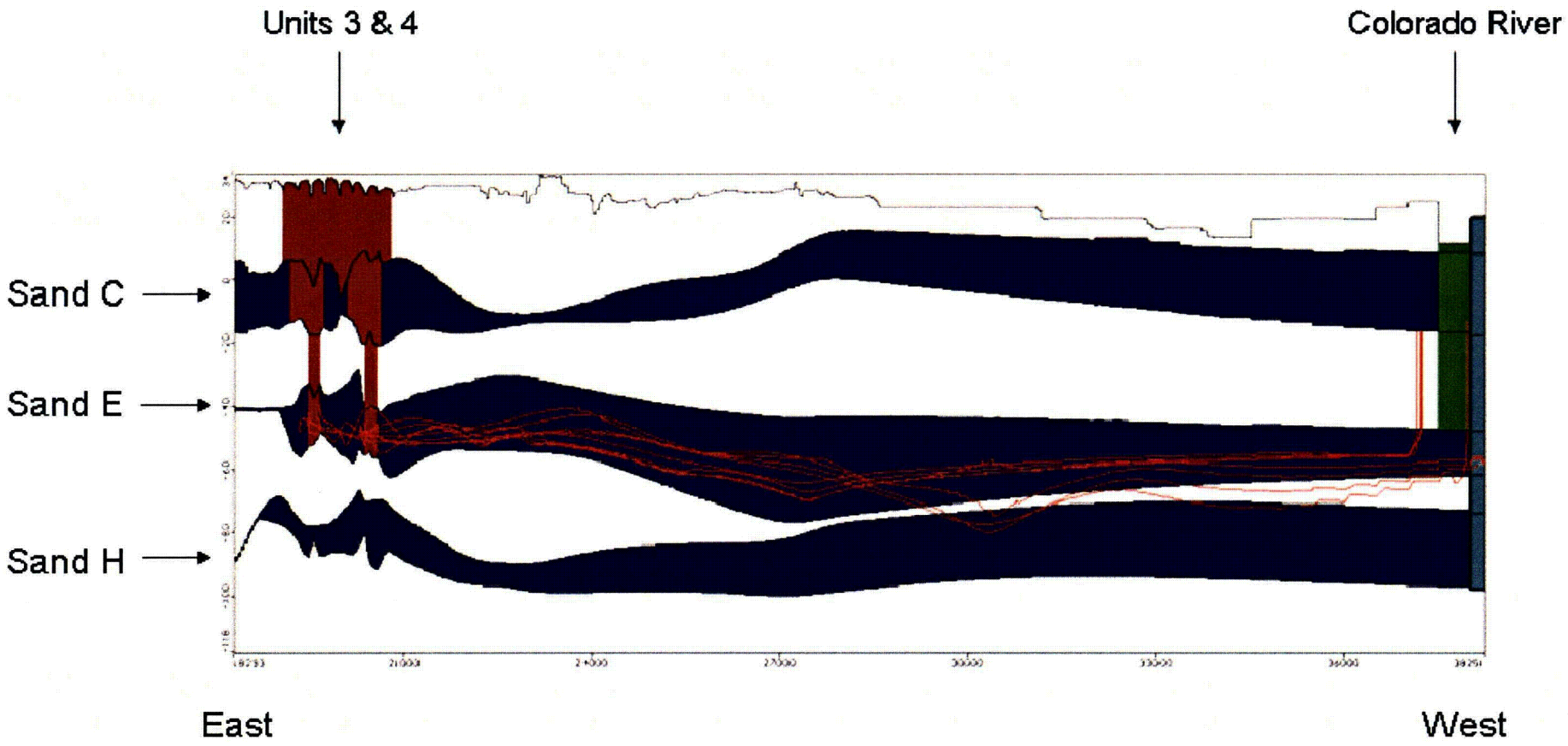


Figure 86: Particle Tracking from STP 3 & 4 (Run 101) – With STP 3 & 4 Excavation but no Slurry Wall – Release from Model Layer 4 (Stratum E) – Section

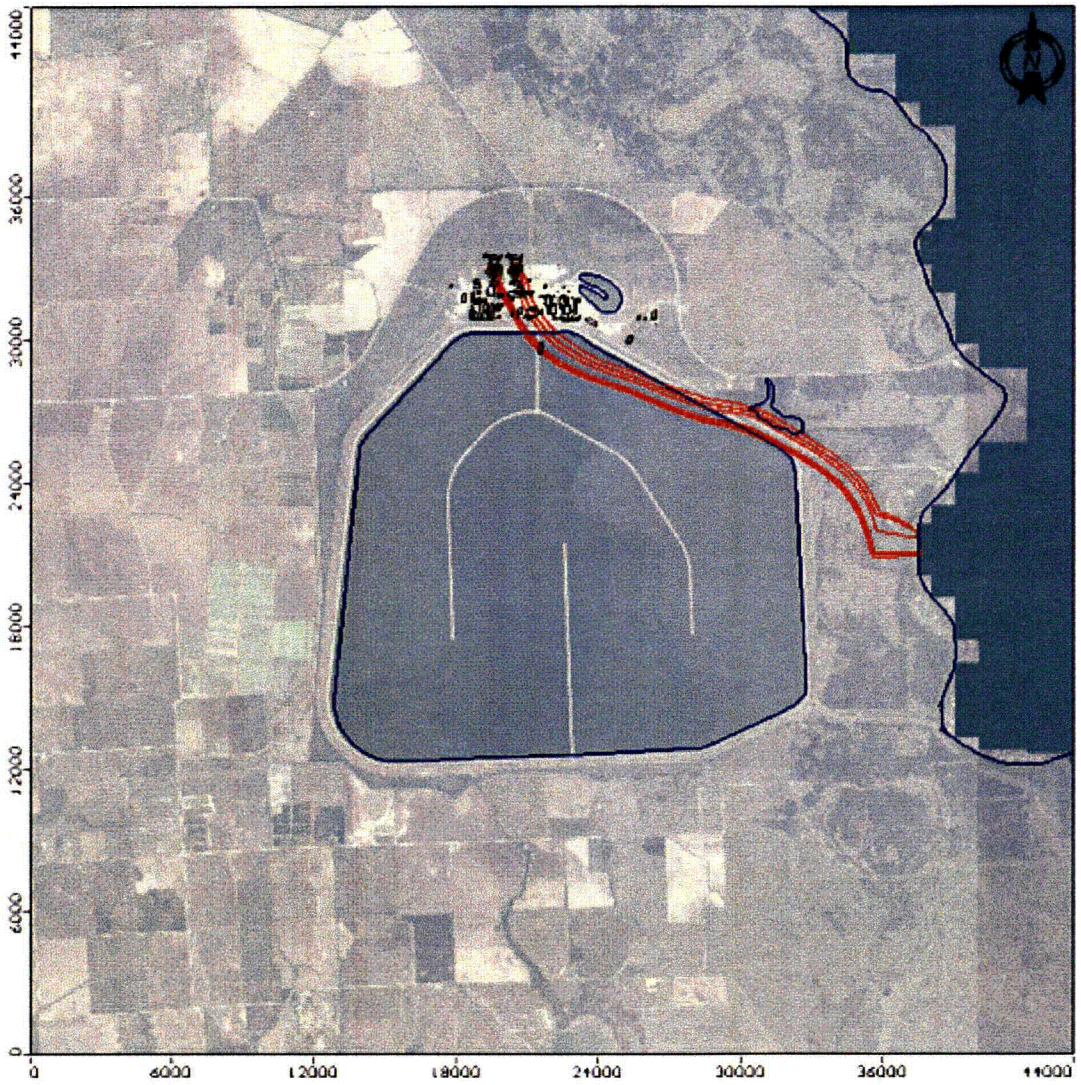
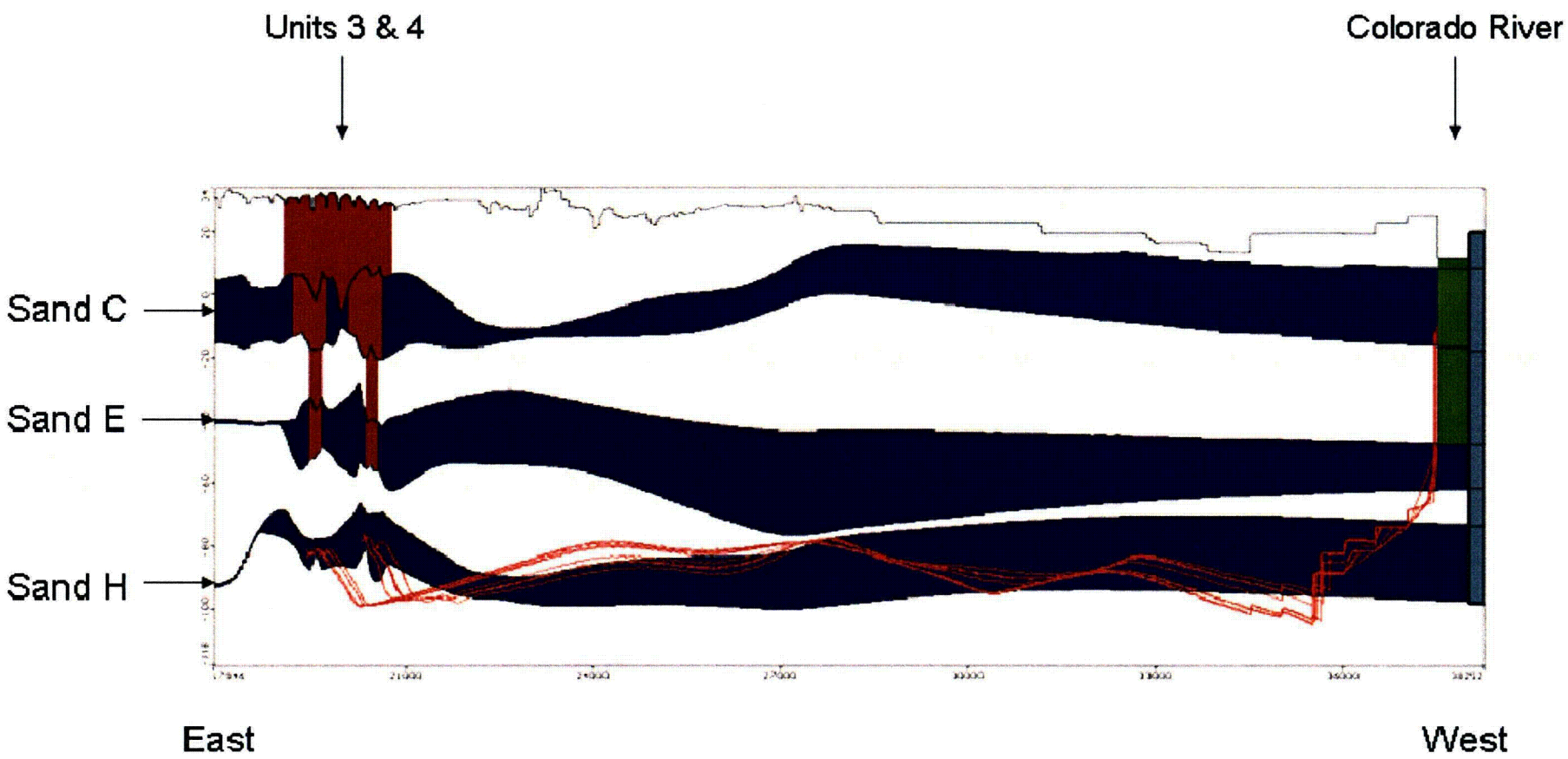


Figure 87: Particle Tracking from STP 3 & 4 (Run 101) – With STP 3 & 4 Excavation but no Slurry Wall – Release from Model Layer 6 (Stratum H) – Plan



Note: Section line is south of STP 3 & 4, rendering structural backfill not visible.

Figure 88: Particle Tracking from STP 3 & 4 (Run 101) – With STP 3 & 4 Excavation but no Slurry Wall – Release from Model Layer 6 (Stratum H) – Section

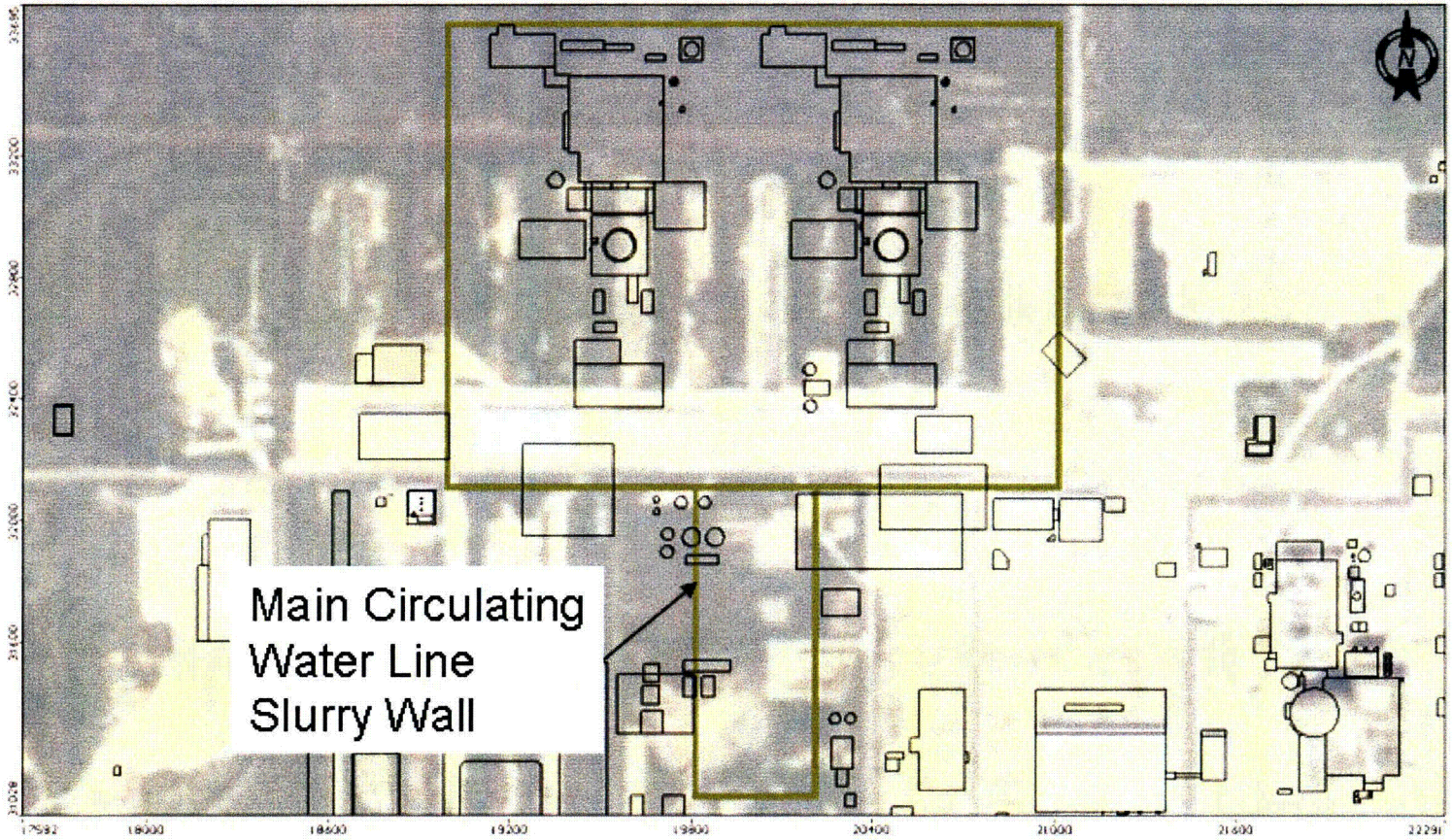
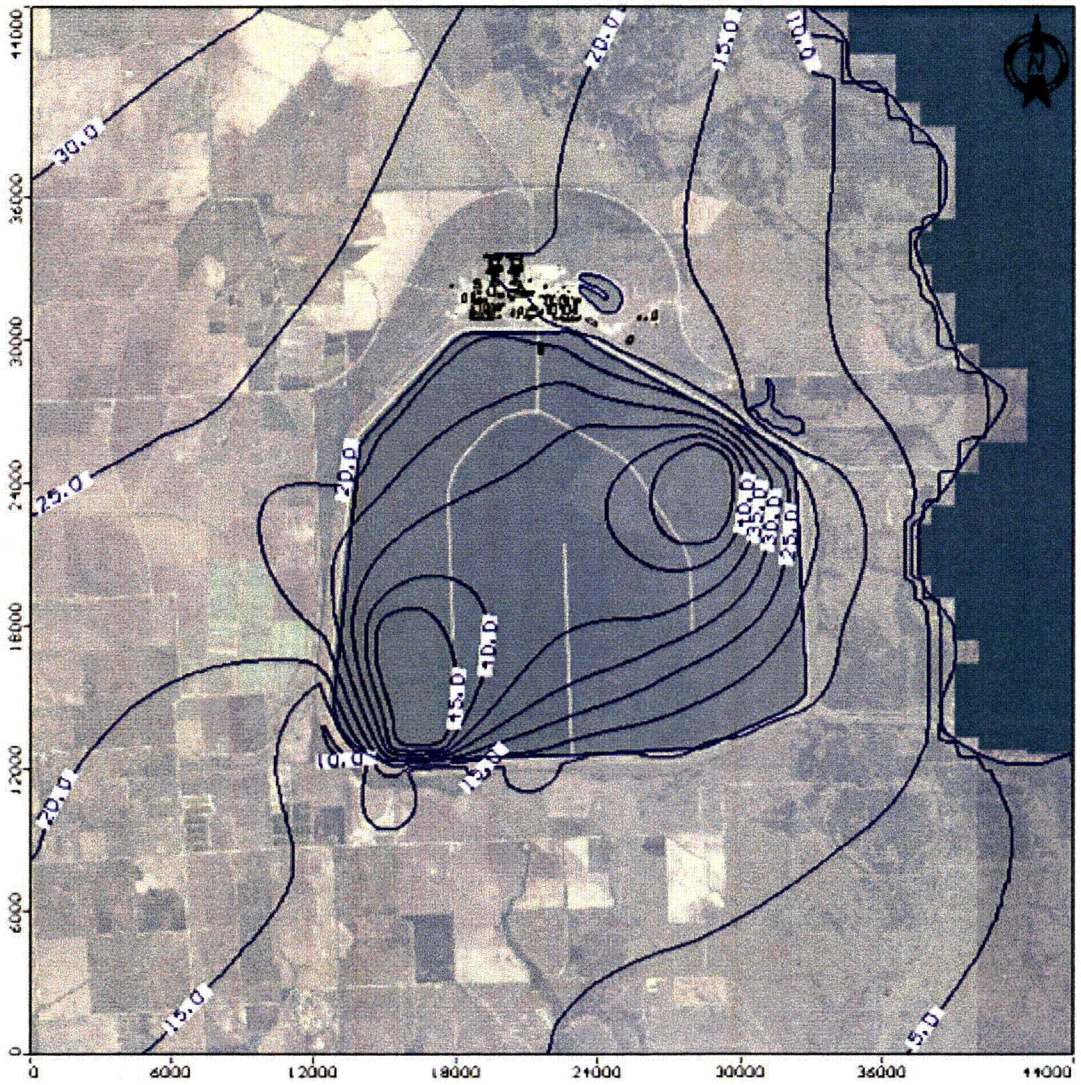
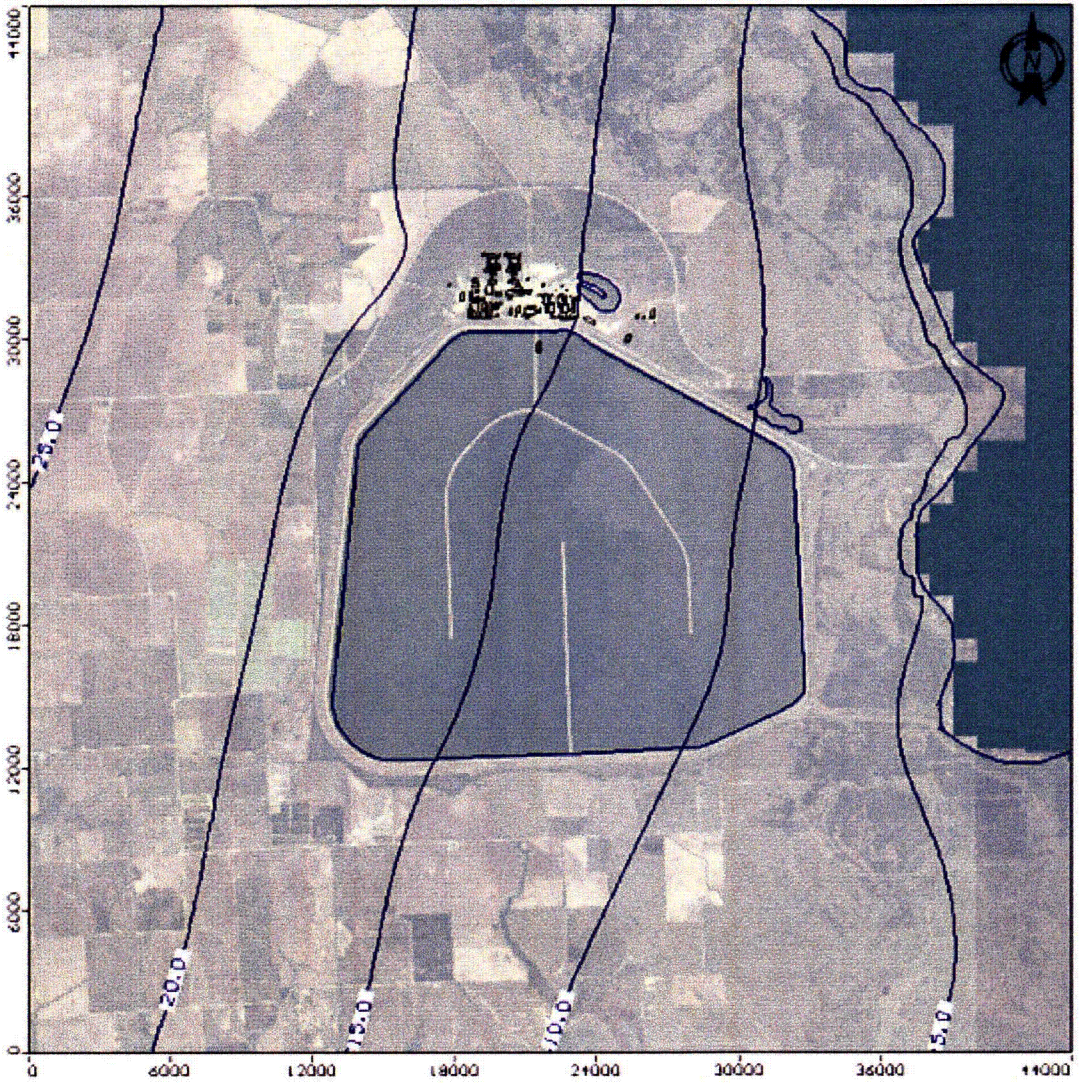


Figure 89: Location and Extent of Slurry Walls (Run 101)



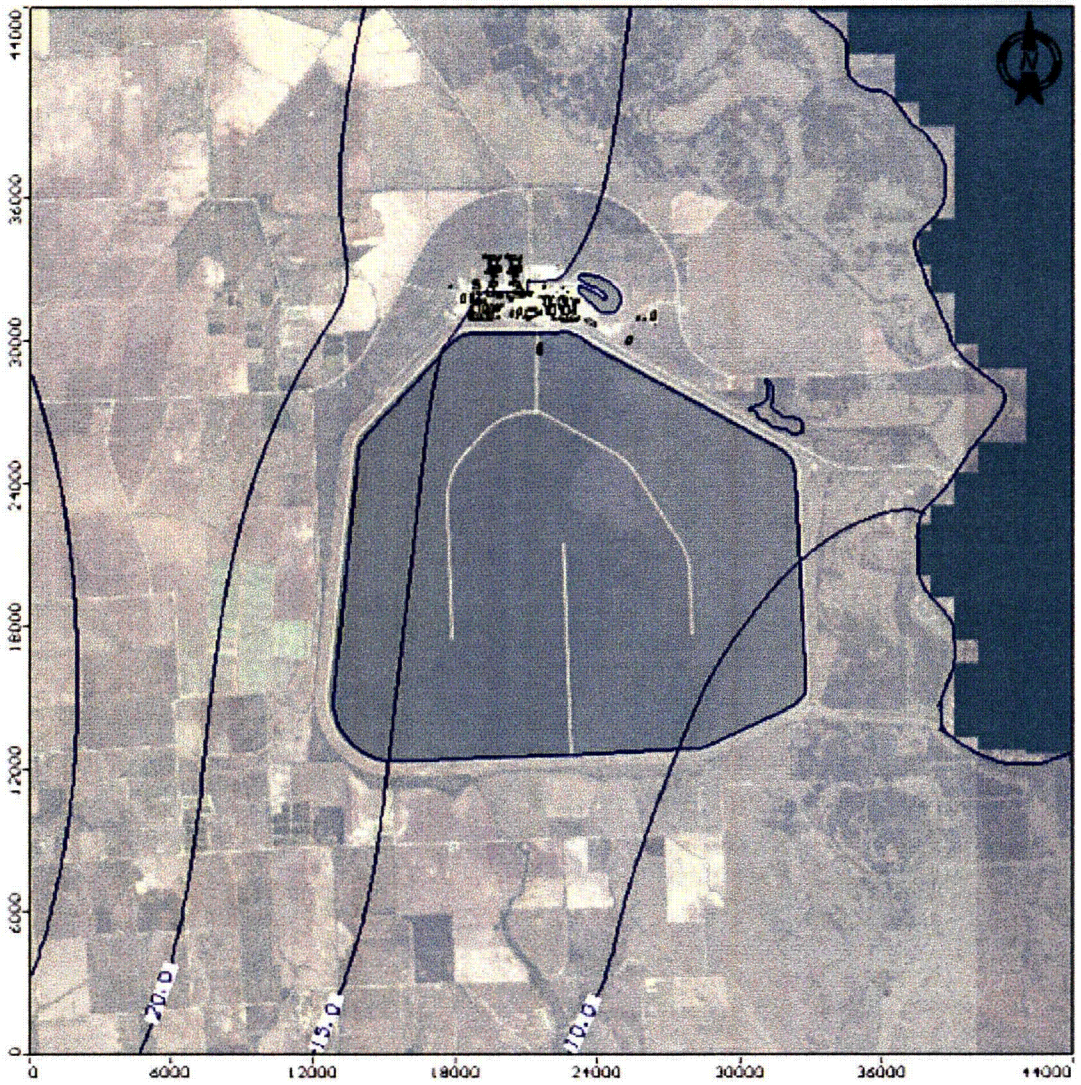
Note: Contour interval is 5 ft MSL (NGVD 29).

Figure 90: Simulated Groundwater Contours (Run 101) – With STP 3 & 4 Excavation and Slurry Wall - Model Layer 2 (Stratum C)



Note: Contour interval is 5 ft MSL (NGVD 29).

Figure 91: Simulated Groundwater Contours (Run 101) – With STP 3 & 4 Excavation and Slurry Wall - Model Layer 4 (Stratum E)



Note: Contour interval is 5 ft MSL (NGVD 29).

Figure 92 Simulated Groundwater Contours (Run 101) – With STP 3 & 4 Excavation and Slurry Wall - Model Layer 6 (Stratum H)

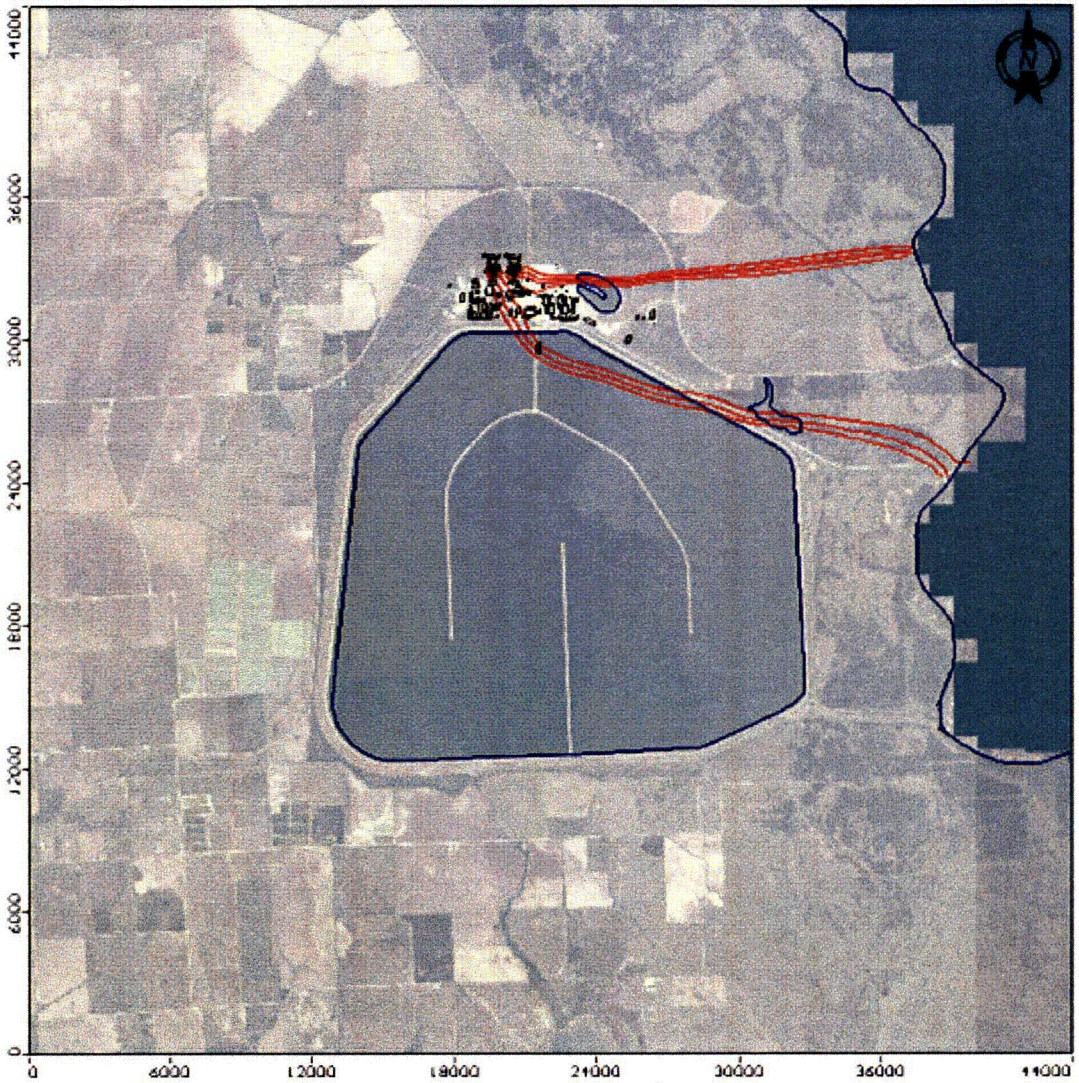


Figure 93: Particle Tracking from STP 3 & 4 (Run 101) – With STP 3 & 4 Excavation and Slurry Wall – Release from Model Layer 2 (Stratum C) – Plan

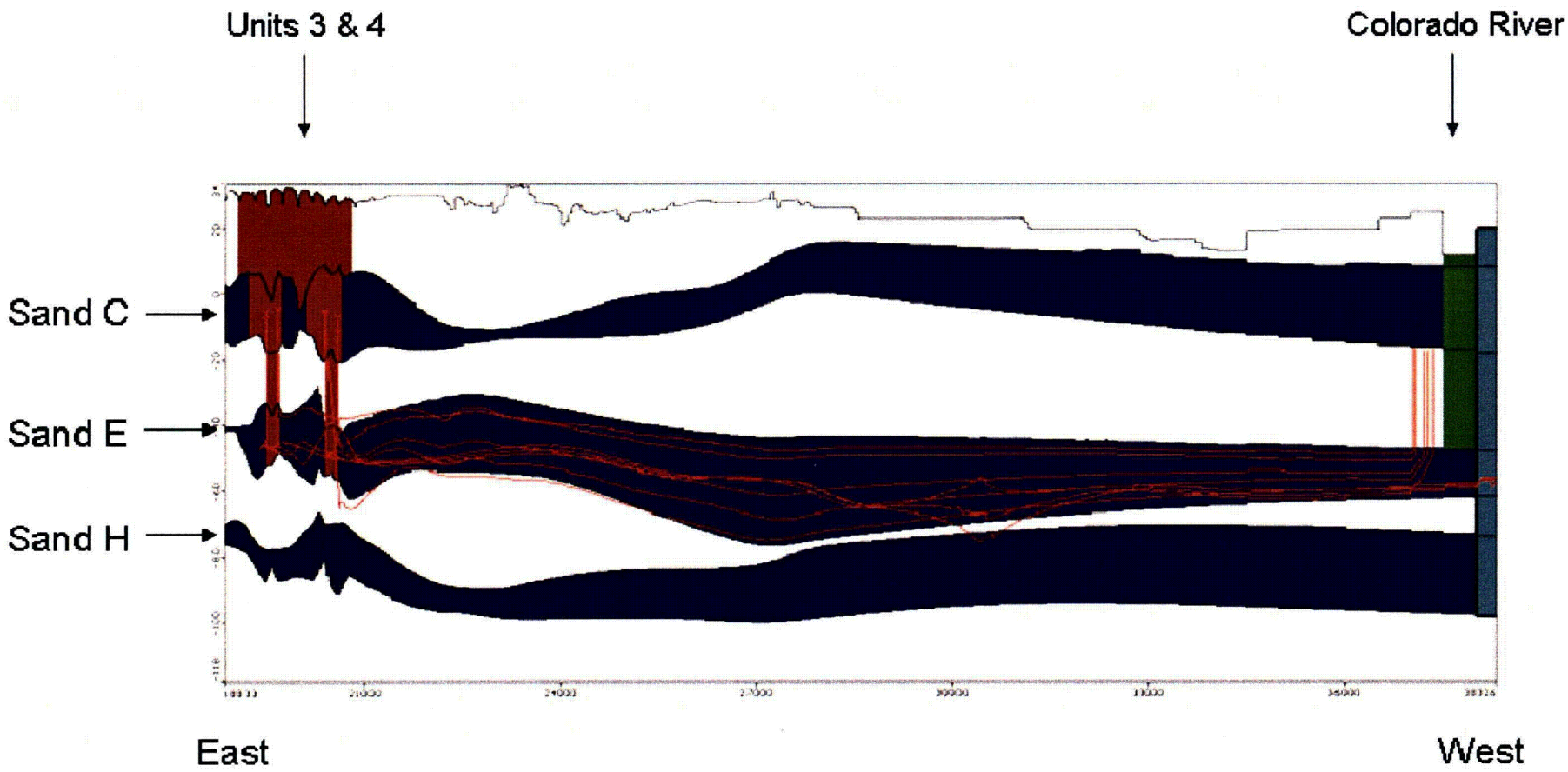


Figure 94: Particle Tracking from STP 3 & 4 (Run 101) – With STP 3 & 4 Excavation and Slurry Wall – Release from Model Layer 2 (Stratum C) – Section

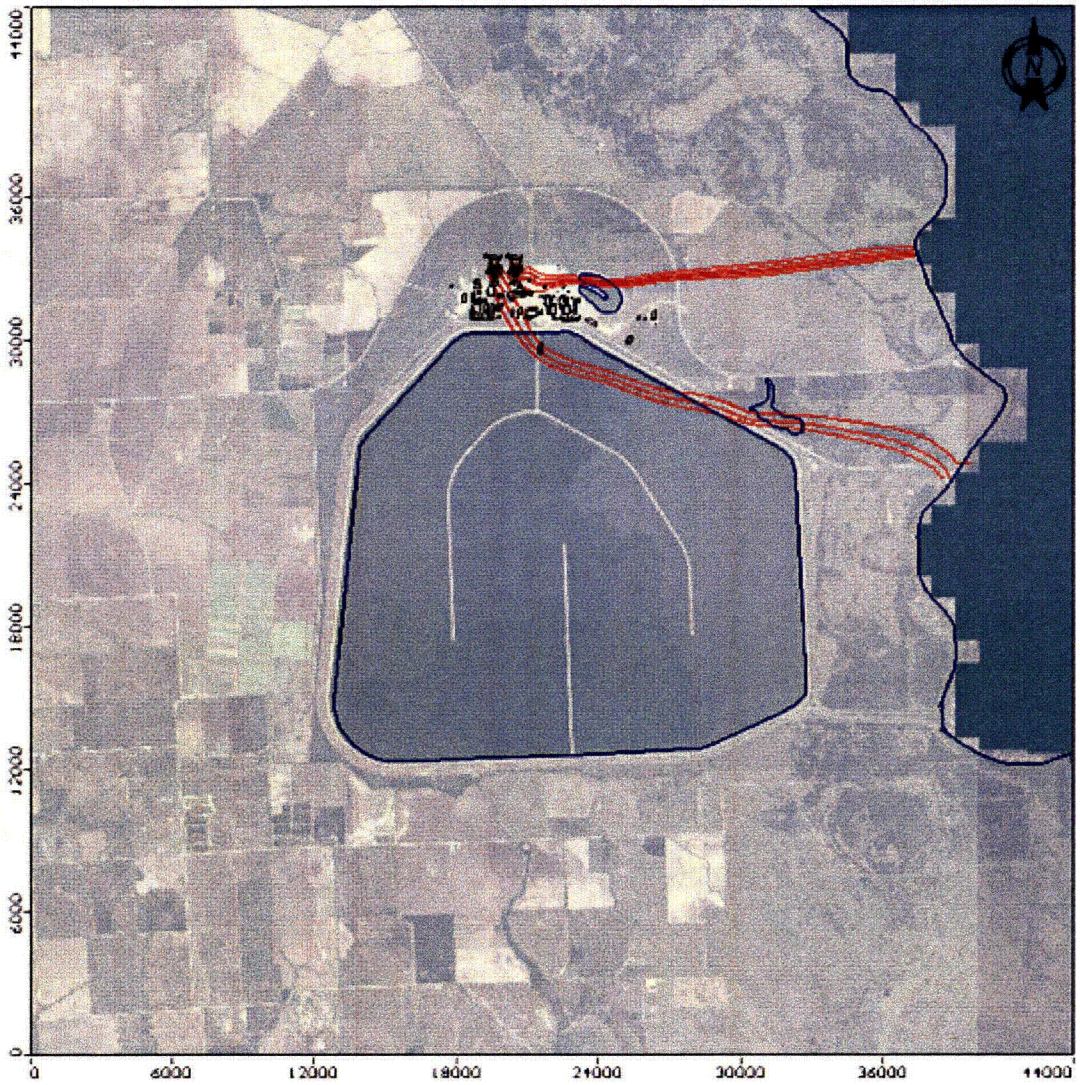


Figure 95: Particle Tracking from STP 3 & 4 (Run 101) – With STP 3 & 4 Excavation and Slurry Wall – Release from Model Layer 4 (Stratum E) – Plan

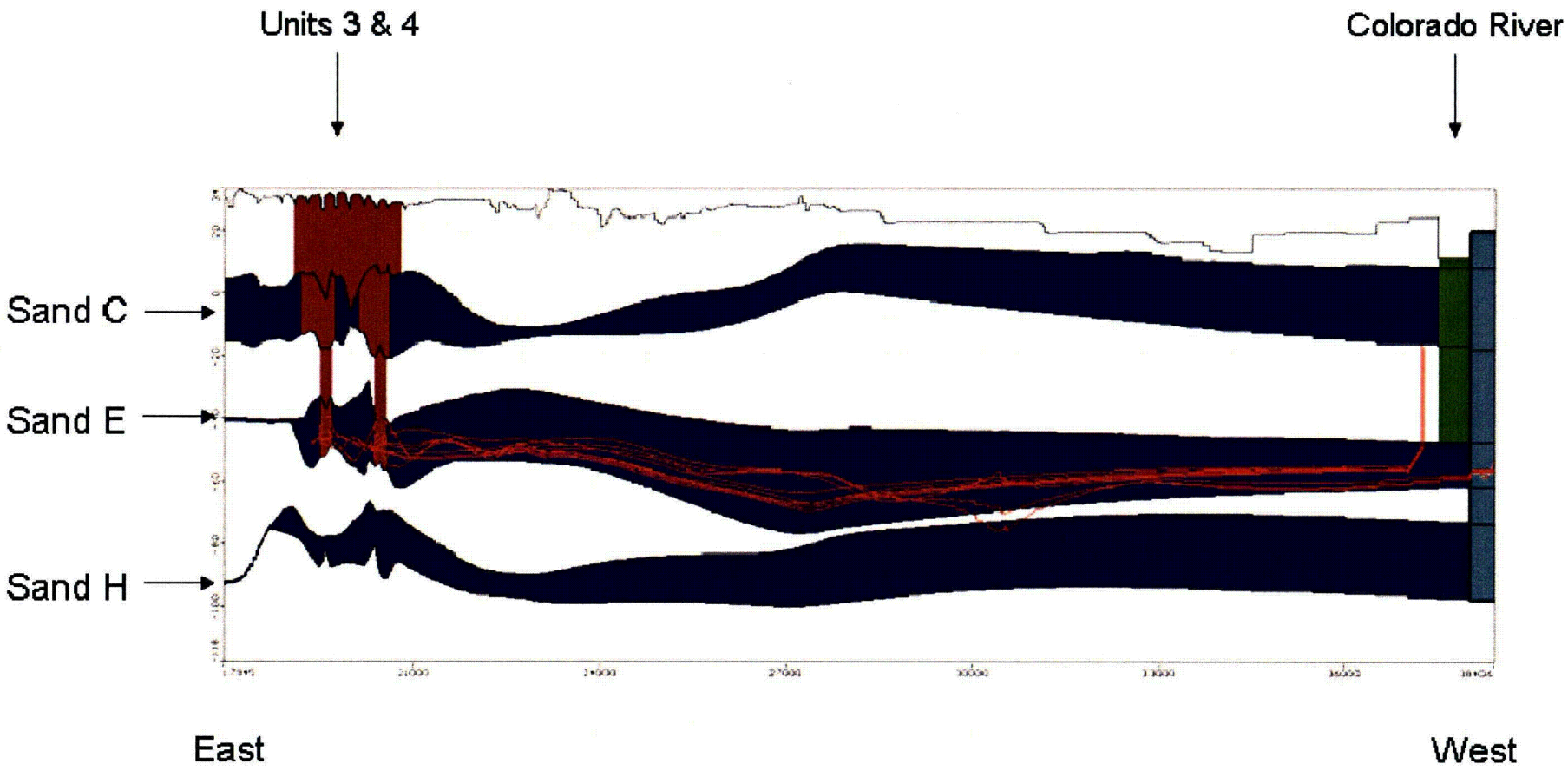


Figure 96: Particle Tracking from STP 3 & 4 (Run 101) – With STP 3 & 4 Excavation and Slurry Wall – Release from Model Layer 4 (Stratum E) – Section

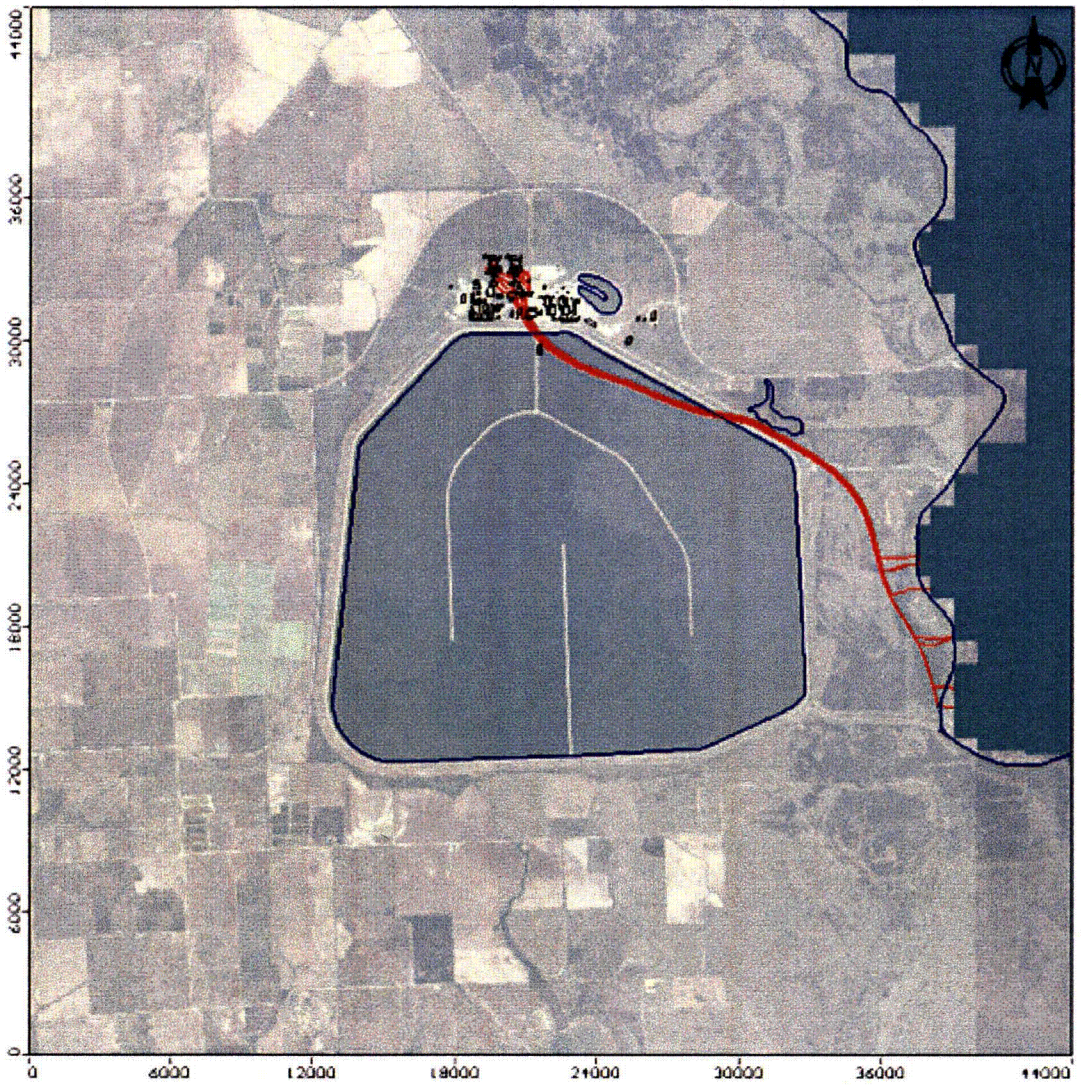


Figure 97: Particle Tracking from STP 3 & 4 (Run 101) – With STP 3 & 4 Excavation and Slurry Wall – Release from Model Layer 6 (Stratum H) – Plan

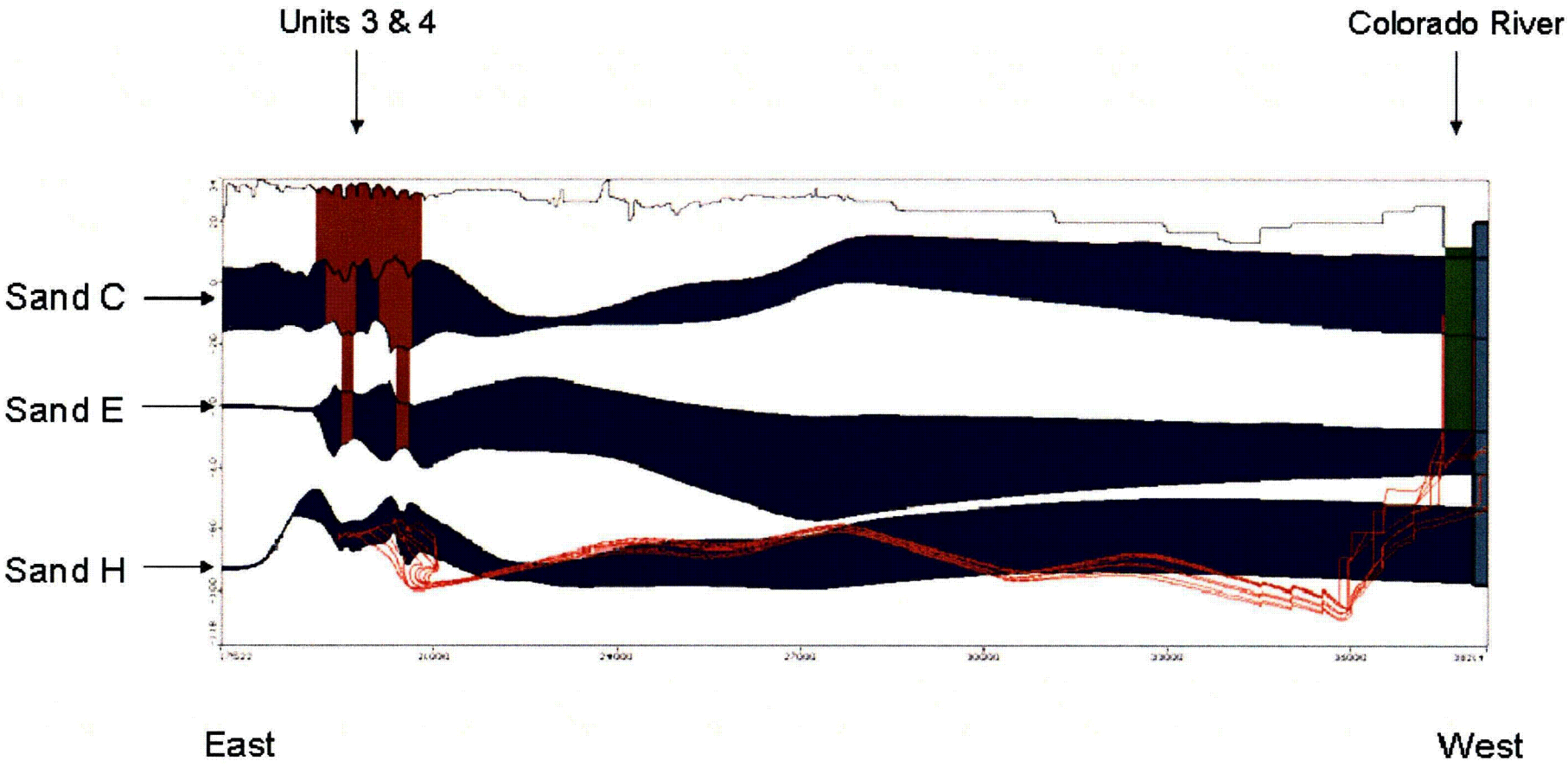


Figure 98: Particle Tracking from STP 3 & 4 (Run 101) – With STP 3 & 4 Excavation and Slurry Wall – Release from Model Layer 6 (Stratum H) – Section