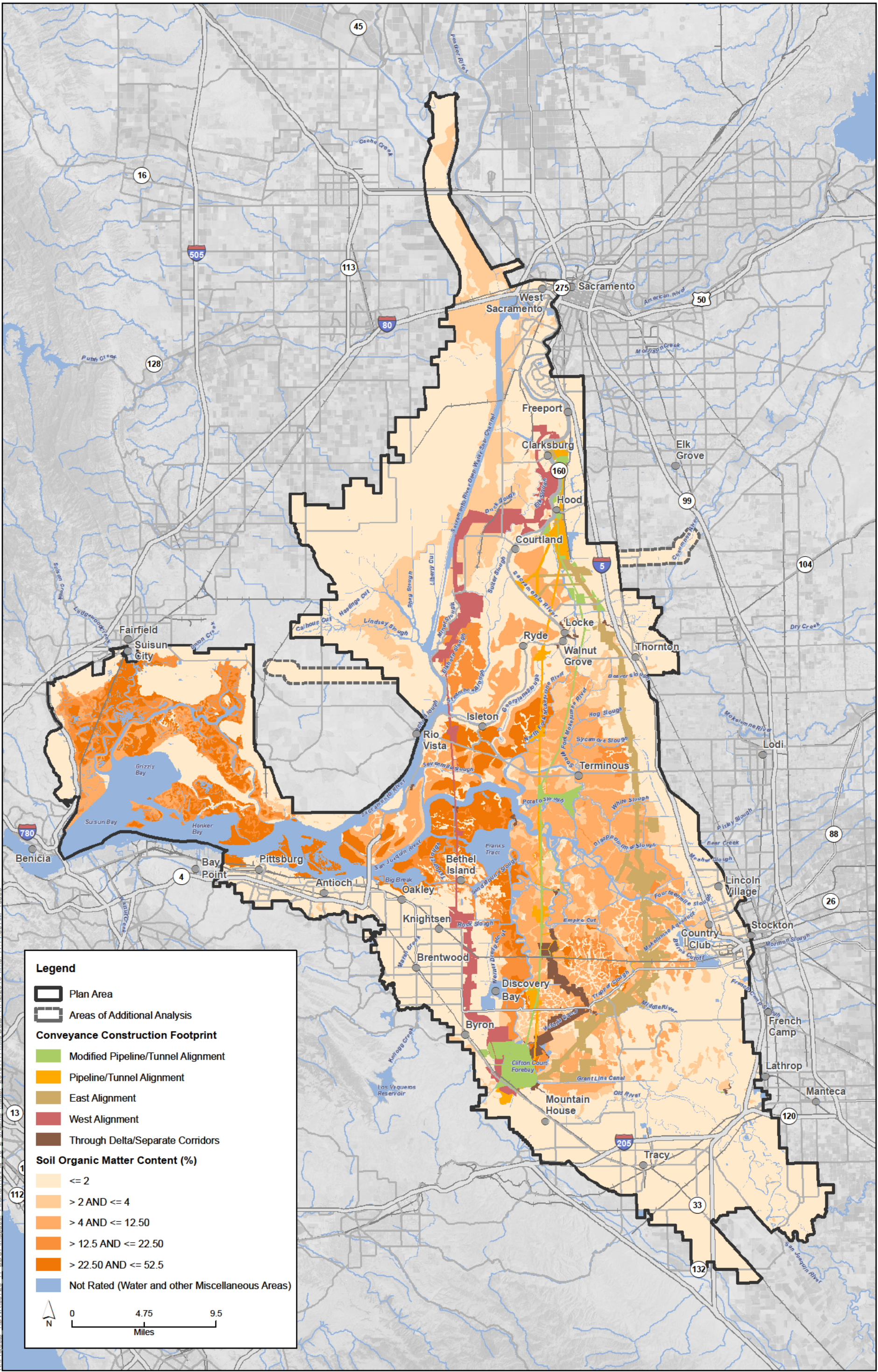


Sources: Plan Area, ICF 2012; Area of Additional Analysis, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015; Constructability (Rev 3b), DHCCP DWR 2012; Soils, STATSGO 2010.

**Figure 10-1**  
**Soil Associations in the Plan Area**

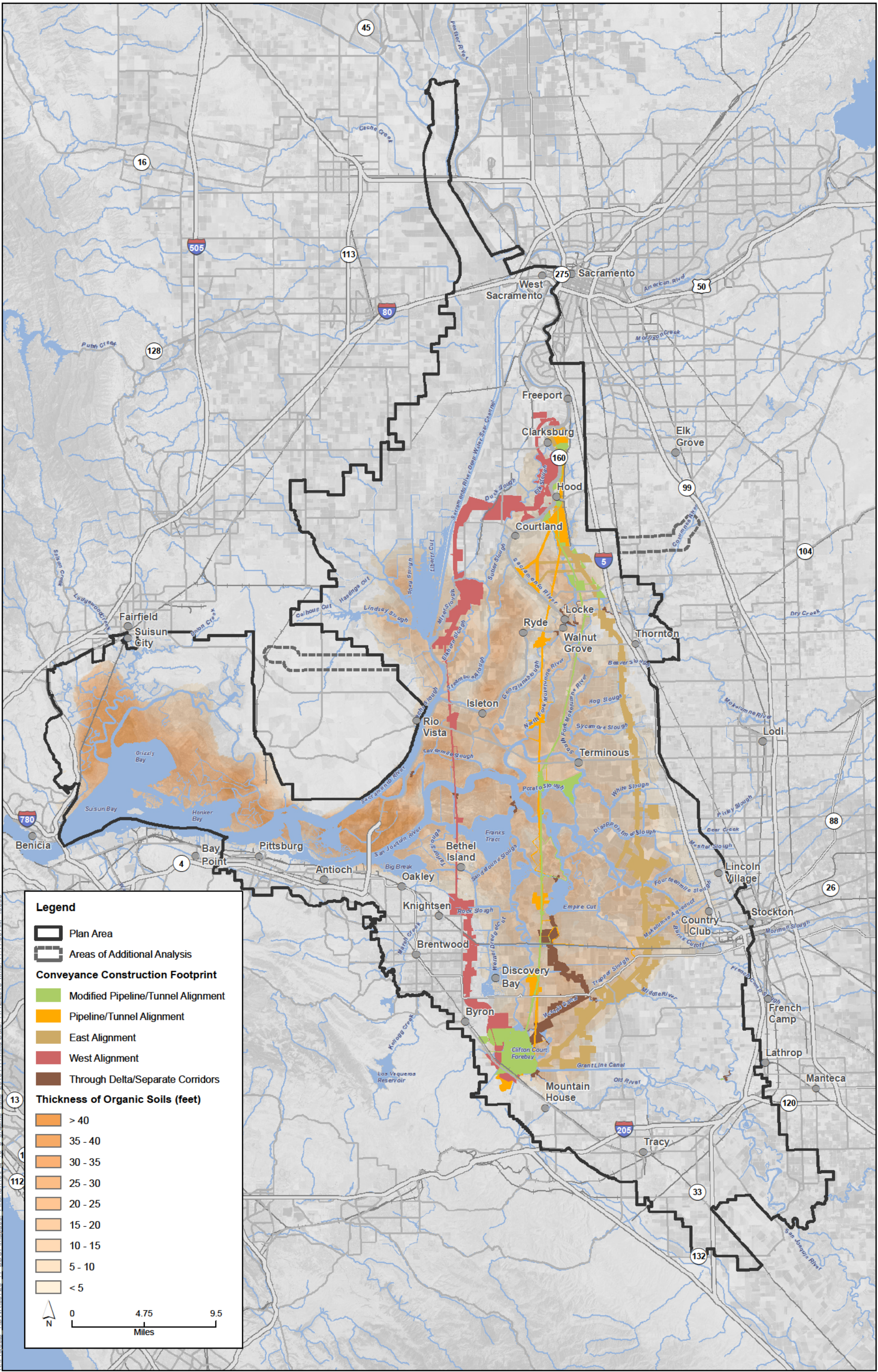




Sources: Plan Area, ICF 2012; Area of Additional Analysis, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015; Constructability (Rev 3b), DHCCP DWR 2012; Soils, SSURGO 2010

**Figure 10-2**  
Soil Organic Matter Content in Near-Surface Soils



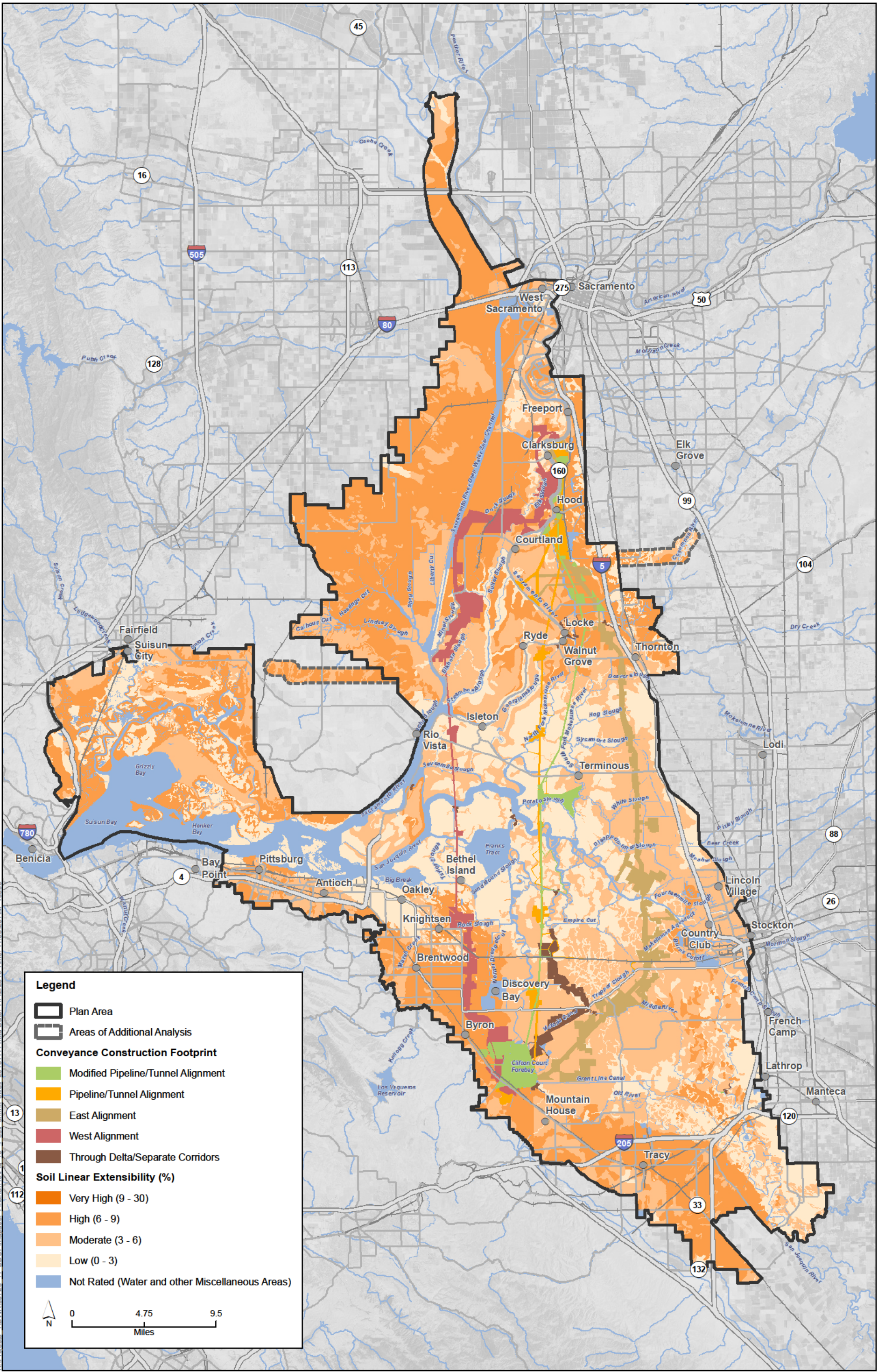


K:\Projects\1\DW\00726\_11\_BDC\pmap\doc\Final\Ch10\Fig\_10\_3\_organic\_soils\_20151111.mxd Date: 11/12/2015 Time: 11:11:30 AM 19393

Sources: Plan Area, ICF 2012; Area of Additional Analysis, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015; Constructability (Rev 3b), DHCCP DWR 2012;

**Figure 10-3**  
**Thickness of Organic Soils**



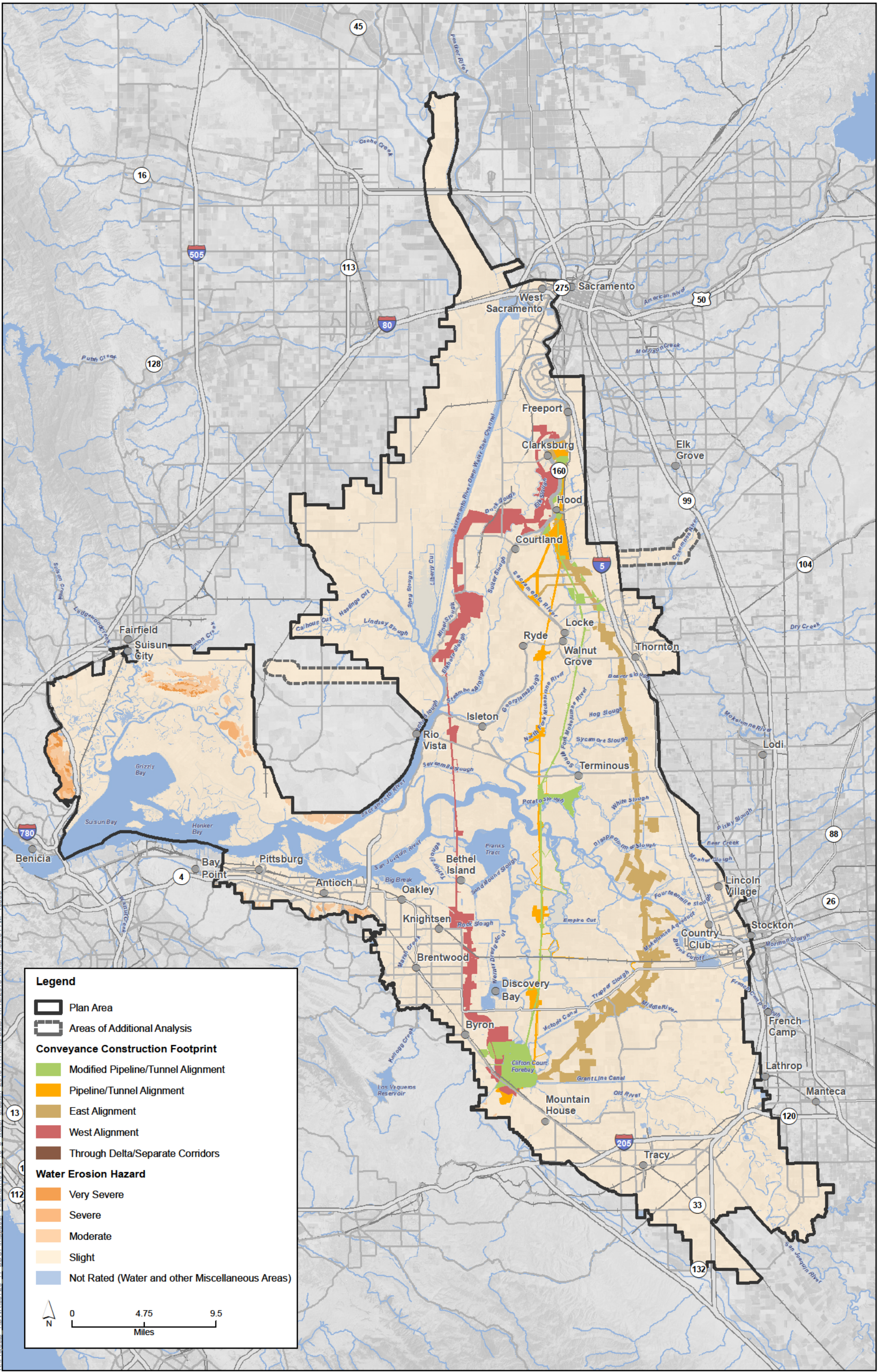


K:\Projects\1\DW\00726\_11\_BDC\pmapdoc\Final\Ch10\Fig\_10\_4\_soil\_shrink\_swell\_20151111.mxd Date: 11/12/2015 Time: 11:08:28 AM 18393

Sources: Plan Area, ICF 2012; Area of Additional Analysis, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015; Constructability (Rev 3b), DHCCP DWR 2012; Soils, SSURGO 2010

**Figure 10-4**  
**Soil Shrink-Swell Potential**



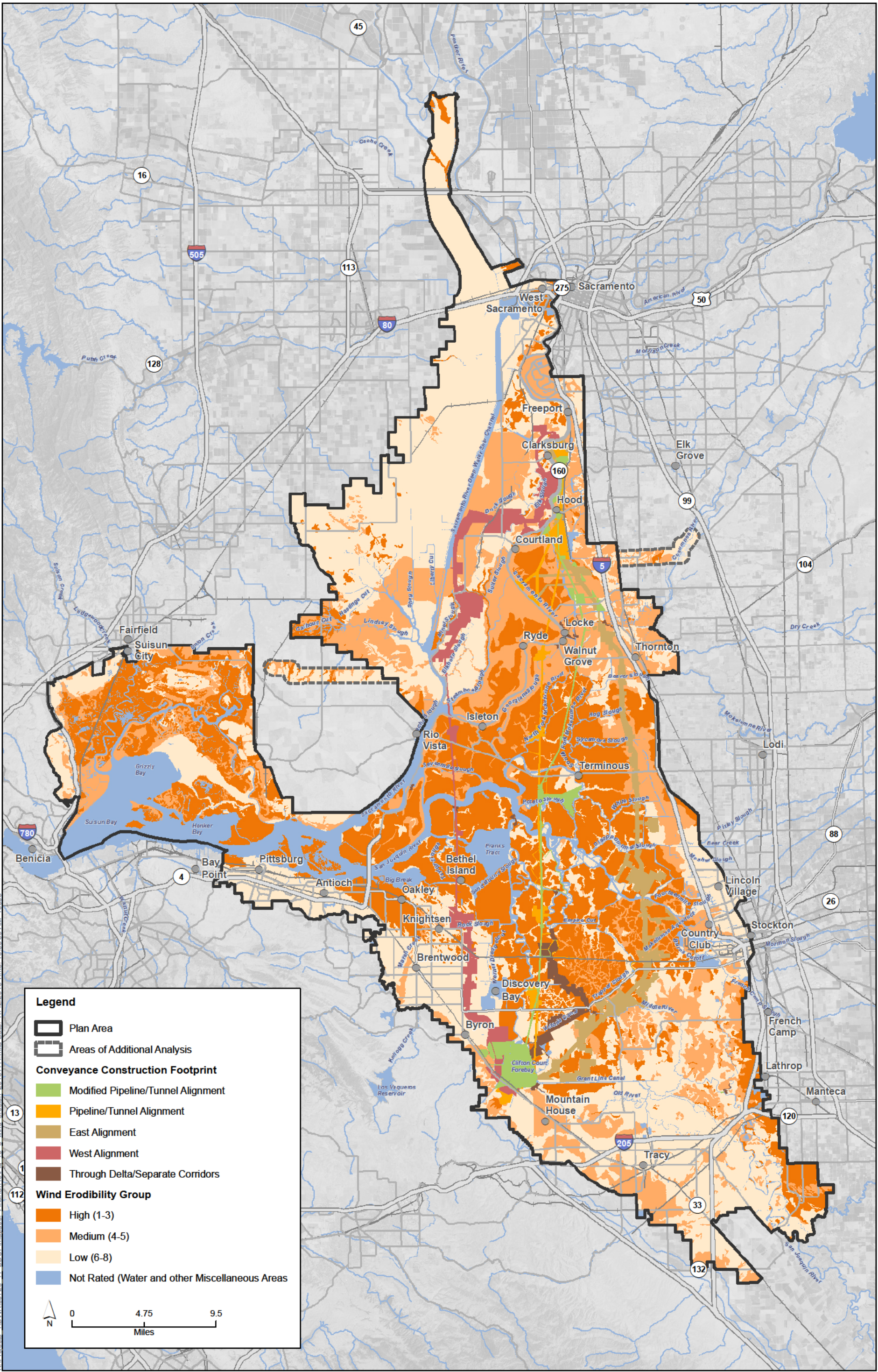


K:\Projects\1\DW\00726\_11\_BDC\pmap\doc\Final\Ch10\Fig\_10\_5\_water\_erosion\_20151111.mxd Date: 11/12/2015 Time: 11:05:51 AM 19393

Sources: Plan Area, ICF 2012; Area of Additional Analysis, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015; Constructability (Rev 3b), DHCCP DWR 2012; Soils, SSURGO 2010.

**Figure 10-5**  
**Water Erosion Hazard**





**Legend**

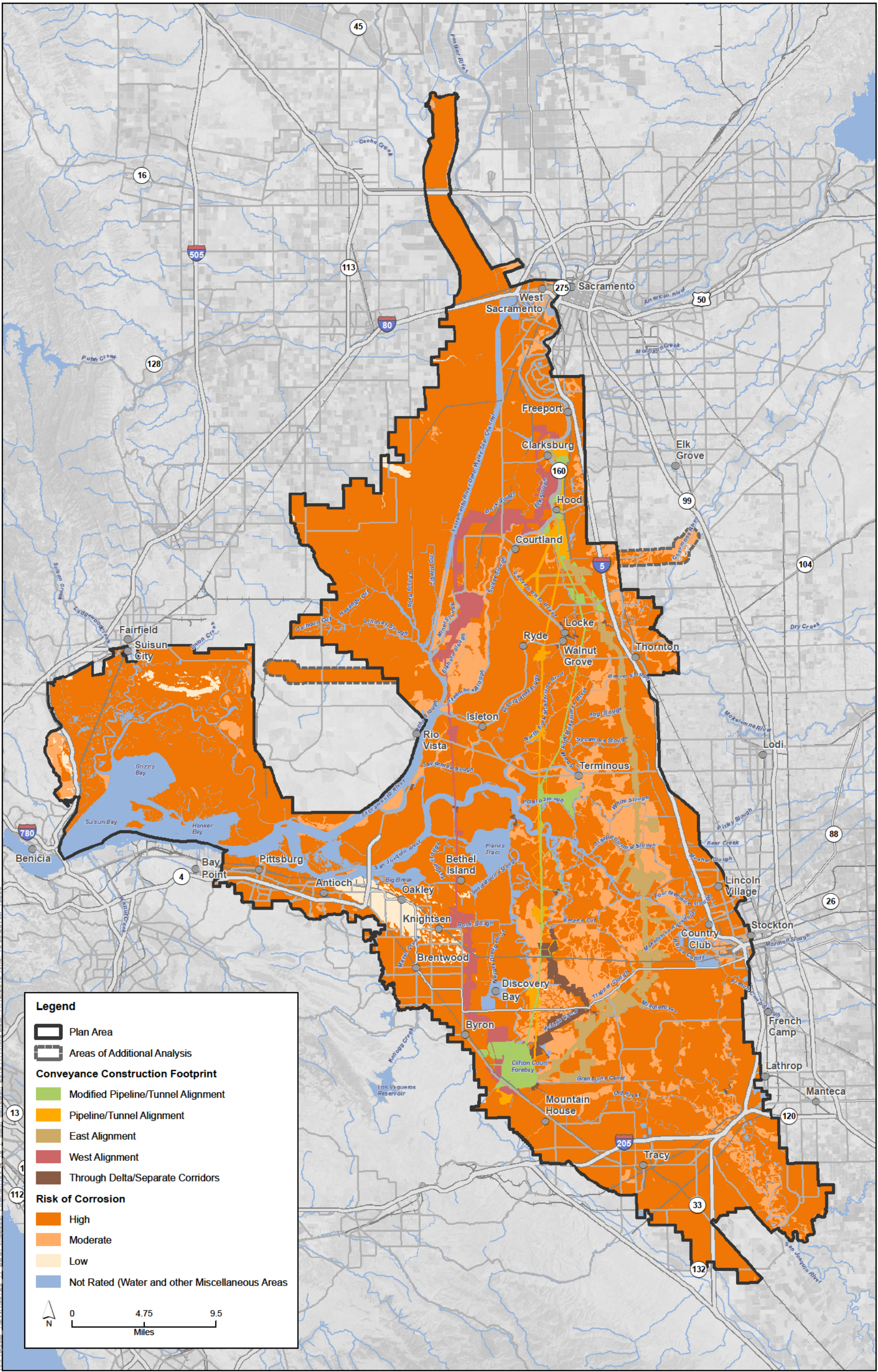
- Plan Area
- Areas of Additional Analysis
- Conveyance Construction Footprint**
  - Modified Pipeline/Tunnel Alignment
  - Pipeline/Tunnel Alignment
  - East Alignment
  - West Alignment
  - Through Delta/Separate Corridors
- Wind Erodibility Group**
  - High (1-3)
  - Medium (4-5)
  - Low (6-8)
  - Not Rated (Water and other Miscellaneous Areas)

0 4.75 9.5  
Miles

Sources: Plan Area, ICF 2012; Area of Additional Analysis, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015; Constructability (Rev 3b), DHCCP DWR 2012; Soils, SSURGO 2010.

**Figure 10-6**  
**Wind Erosion Hazard**





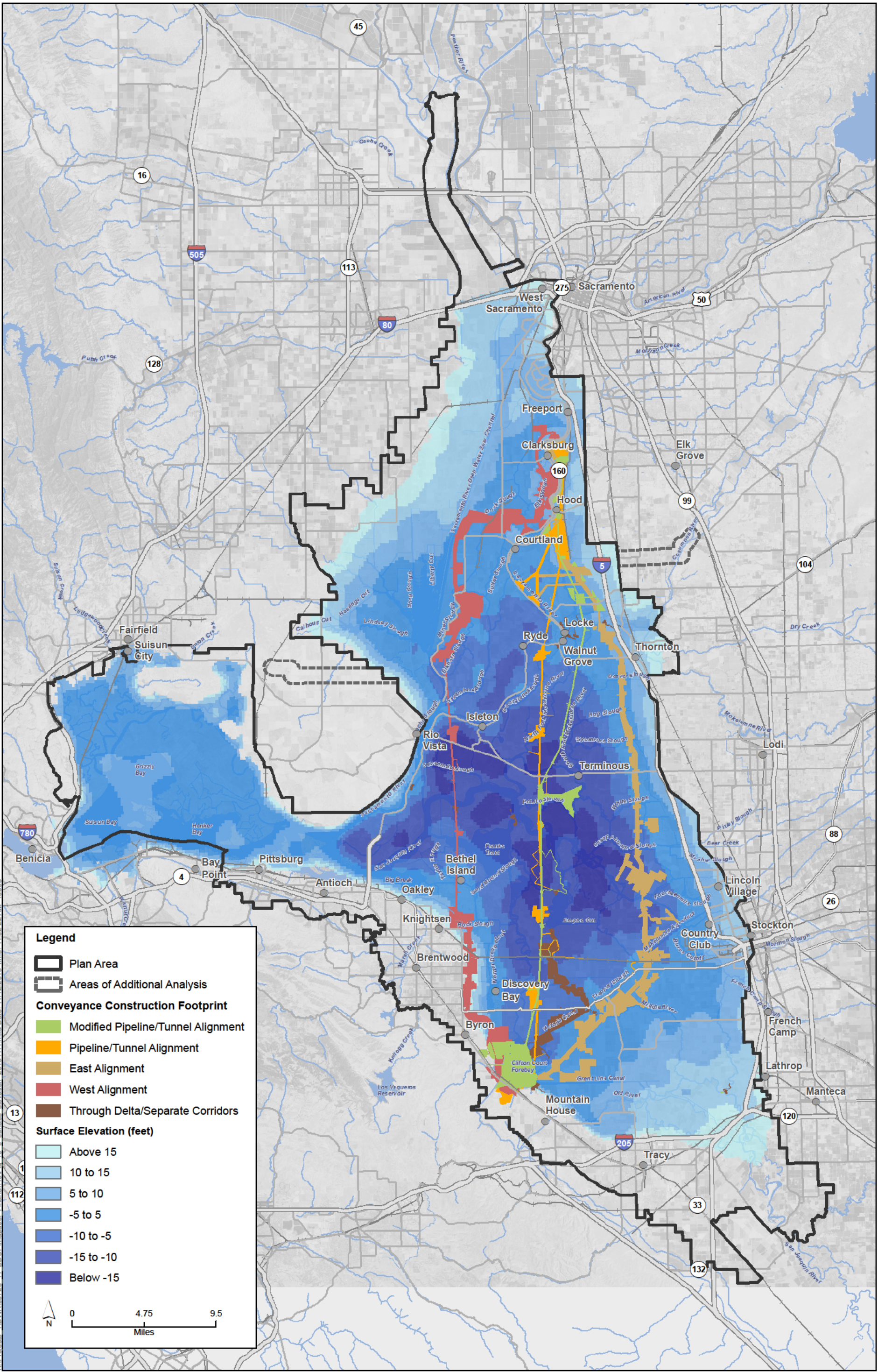
Sources: Plan Area, ICF 2012; Area of Additional Analysis, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015; Constructability (Rev 3b), DHCCP DWR 2012; Soils, SSURGO 2010.

**Figure 10-7**  
Risk of Soil Corrosion to Uncoated Steel









Sources: Plan Area, ICF 2012; Area of Additional Analysis, ICF 2012; Constructability (Rev 10b), DHCCP DWR 2012; Constructability (Rev 5b), DHCCP DWR 2015; Constructability (Rev 3b), DHCCP DWR 2012; Elevation, URS 2008.

**Figure 10-9**  
**Subsidence in the Delta**