## Mélange Matrix





FIG\_124A: Dry Unit Weight Versus Moisture Content of Mélange Matrix Downtown Site – Rincon Hill and San Mateo Site W: Unfrastructure/Geotech/UC Berkeley 2008 Seminar/Final Figures\06 MELANGE MATRIX (123-145)/FIG\_124A



![](_page_4_Figure_0.jpeg)

![](_page_5_Picture_0.jpeg)

![](_page_5_Picture_1.jpeg)

Typical core of Mélange Matrix, as recovered in the field.

**Picture 2:** Close-up view of core recovered from borehole LB-03.

![](_page_5_Picture_4.jpeg)

**Picture 3:** View of core cross-section illustrating irregular contacts between different materials, and laminated structure.

![](_page_5_Picture_6.jpeg)

**Picture 4:** Close-up view illustrating contorted and laminated structure.

![](_page_5_Picture_8.jpeg)

**Picture 5:** Close-up view illustrating evidence of shear deformations and slickensides.

![](_page_5_Picture_10.jpeg)

**Picture 6:** Close-up view that shows the presence of slickensides.

![](_page_6_Picture_0.jpeg)

![](_page_7_Picture_0.jpeg)

![](_page_8_Figure_0.jpeg)

![](_page_9_Figure_0.jpeg)

FIG\_130: Statistical Summary of Undrained Shear Strength of Mélange Matrix from UU TestsDowntown Site – Rincon Hill W: VInfrastructure/Geotech/UC Berkeley 2008 Seminar/Final Figures/06 MELANGE MATRIX (123-145)/FIG\_130.ai

![](_page_10_Figure_0.jpeg)

![](_page_11_Figure_0.jpeg)

![](_page_12_Figure_0.jpeg)

FIG\_133: Undrained Shear Strengths on Mélange Matrix Determined from Pressuremeter Tests W:Unfrastructure\Geotech\UC Berkeley 2008 Seminar\Final Figures\06 MELANGE MATRIX (123-145)\FIG\_133

![](_page_13_Figure_0.jpeg)

![](_page_14_Figure_0.jpeg)

FIG\_135: Normalized Stress-Strain Data from Triaxial Compression Tests on Mélange Matrix Downtown Site – Rincon Hill W: VInfrastructure/Geotech/UC Berkeley 2008 Seminar/Final Figures/06 MELANGE MATRIX (123-145)/FIG\_135.ai

![](_page_15_Figure_0.jpeg)

FIG\_136: Effective Stress Paths from Triaxial Compression Tests on Mélange Matrix Downtown Site – Rincon Hill W: Vinfrastructure/Geotech/UC Berkeley 2008 Seminar/Final Figures/06 MELANGE MATRIX (123-145)/FIG\_136.ai

![](_page_16_Figure_0.jpeg)

FIG\_137: Normalized Stress-Strain Data from TXICU Compression Tests on Mélange Matrix: San Mateo Site W: VInfrastructure/Geotech/UC Berkeley 2008 Seminar/Final Figures/06 MELANGE MATRIX (123-145)/FIG\_137.ai

![](_page_17_Figure_0.jpeg)

FIG\_138: Effective Stress Paths from Triaxial Compression Tests on Mélange Matrix San Mateo Site W: VInfrastructure/Geotech/UC Berkeley 2008 Seminar/Final Figures/06 MELANGE MATRIX (123-145)/FIG\_138.ai

![](_page_18_Figure_0.jpeg)

![](_page_19_Figure_0.jpeg)

## FIG\_140: Range of Shear Wave Velocities Mélange Matrix and Sandstone Downtown Site – Rincon Hill W: Vinfrastructure/Geotech/UC Berkeley 2008 Seminar/Final Figures/06 MELANGE MATRIX (123-145)/FIG\_140.ai

![](_page_20_Figure_0.jpeg)

![](_page_21_Figure_0.jpeg)

![](_page_22_Figure_0.jpeg)

FIG\_143: Stratigraphy and SPT Data Near the Embarcadero and Howard Street where Mélange Matrix was Encountered W: VInfrastructure/Geotech/UC Berkeley 2008 Seminar/Final Figures/06 MELANGE MATRIX (123-145)/FIG\_143.ai

![](_page_23_Figure_0.jpeg)

![](_page_24_Figure_0.jpeg)