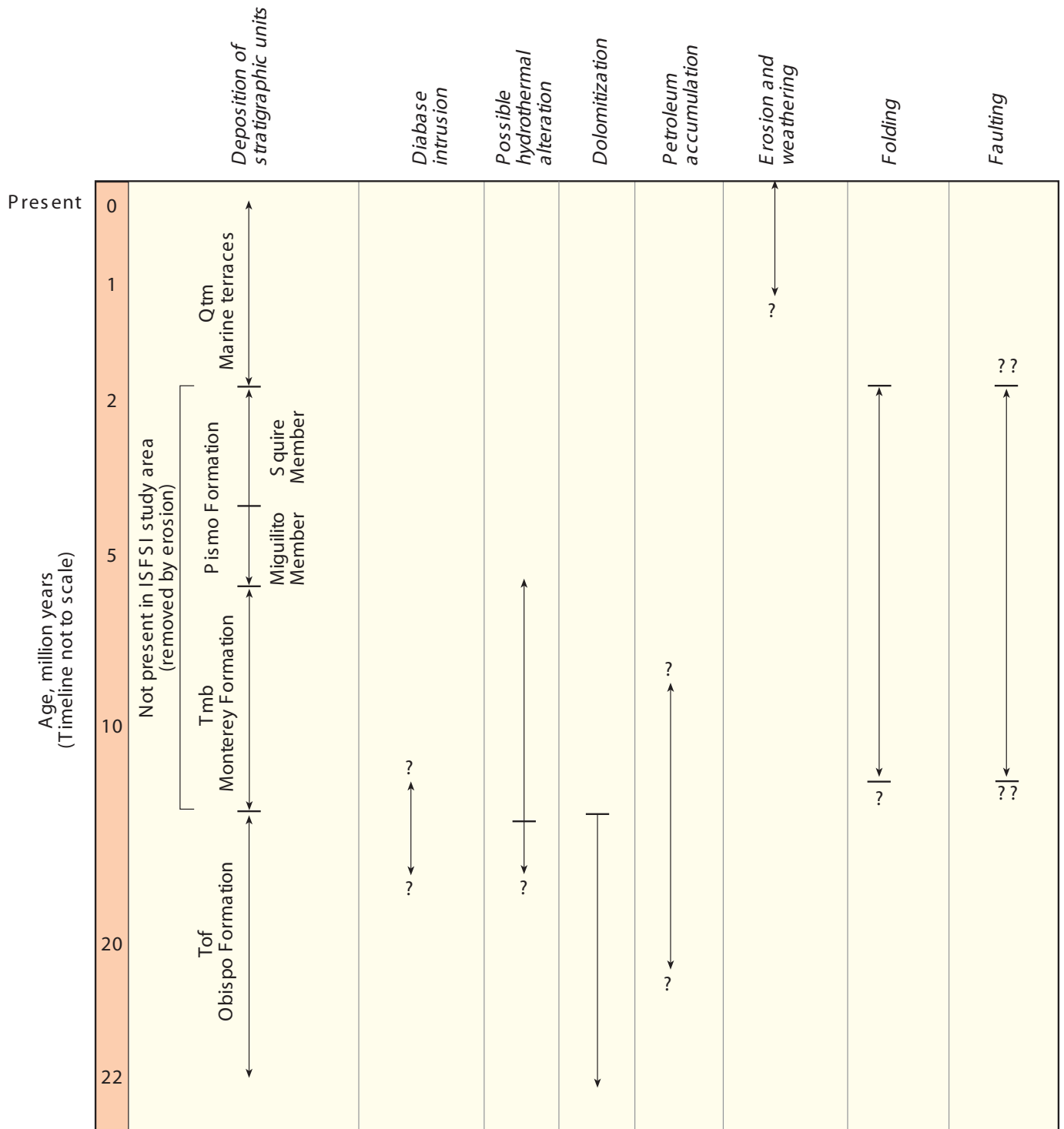
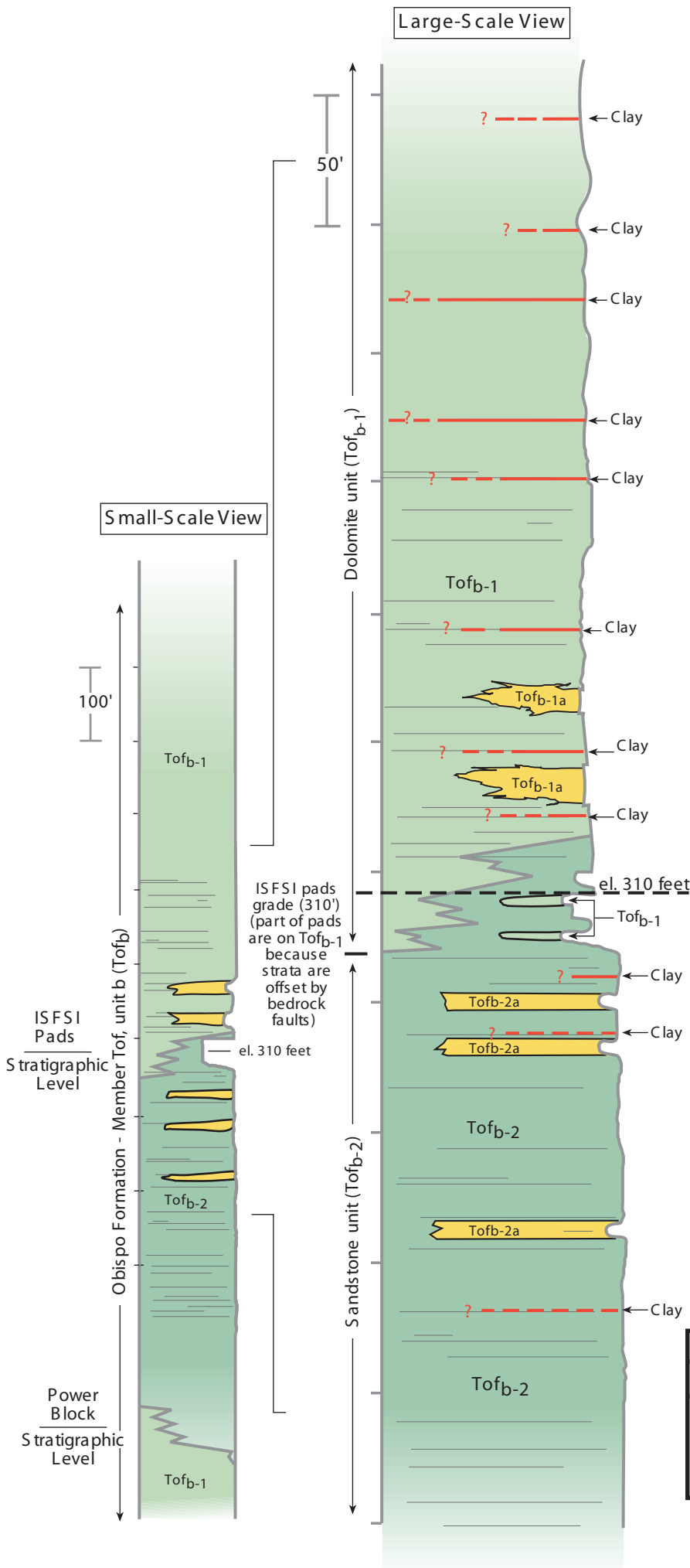


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FIGURE 2.6-13
DIAGRAMMATIC CROSS SECTION ILLUSTRATING
THE DEPOSITIONAL AND STRUCTURAL HISTORY
OF THE ISFSI STUDY AREA



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FIGURE 2.6-14
CHRONOLOGY OF STRATIGRAPHY AND
GEOLOGIC PROCESSES AT THE ISFSI
STUDY AREA



Explanation
(Informal subunits of unit Tof_b of Obispo Formation)

DOLOMITE SUBUNIT

Tof_{b-1} Dolomite, clayey dolomite, dolomitic siltstone to fine-grained dolomitic sandstone, and limestone. The unit contains occasional discontinuous to continuous (tens to hundreds of feet) clay beds that are generally 1/32-to 1/2-inch thick, but locally are thicker. Rocks in this unit are moderately to well cemented, moderately hard to hard, moderately to slightly weathered, brittle and typically medium strong.

Tof_{b-1a} Friable dolomite and dolomitic siltstone of unit Tof_{b-1}. These rocks typically have low hardness, are very weak to weak, and occur as discontinuous zones where weathering and/or alteration has been concentrated. Inferred lateral extent of friable zones is schematic.

SANDSTONE SUBUNIT

Tof_{b-2} Fine to coarse-grained dolomitic sandstone and sandstone (arkosic to arenitic) with lesser dolomite beds. Detrital clasts are composed primarily of dolomitized feldspars, marine fossil fragments, and volcanic rock fragments. Discontinuous clay beds that are generally less than 1/2-inch thick occur locally within the unit. The rocks are of low to medium hardness, moderately to well cemented and typically medium strong.

Tof_{b-2a} Friable sandstone of unit Tof_{b-2}. These rocks typically are of low hardness and are very weak to weak, and occur as discontinuous zones where weathering and/or alteration has been concentrated. Inferred lateral extent of friable zones is schematic.

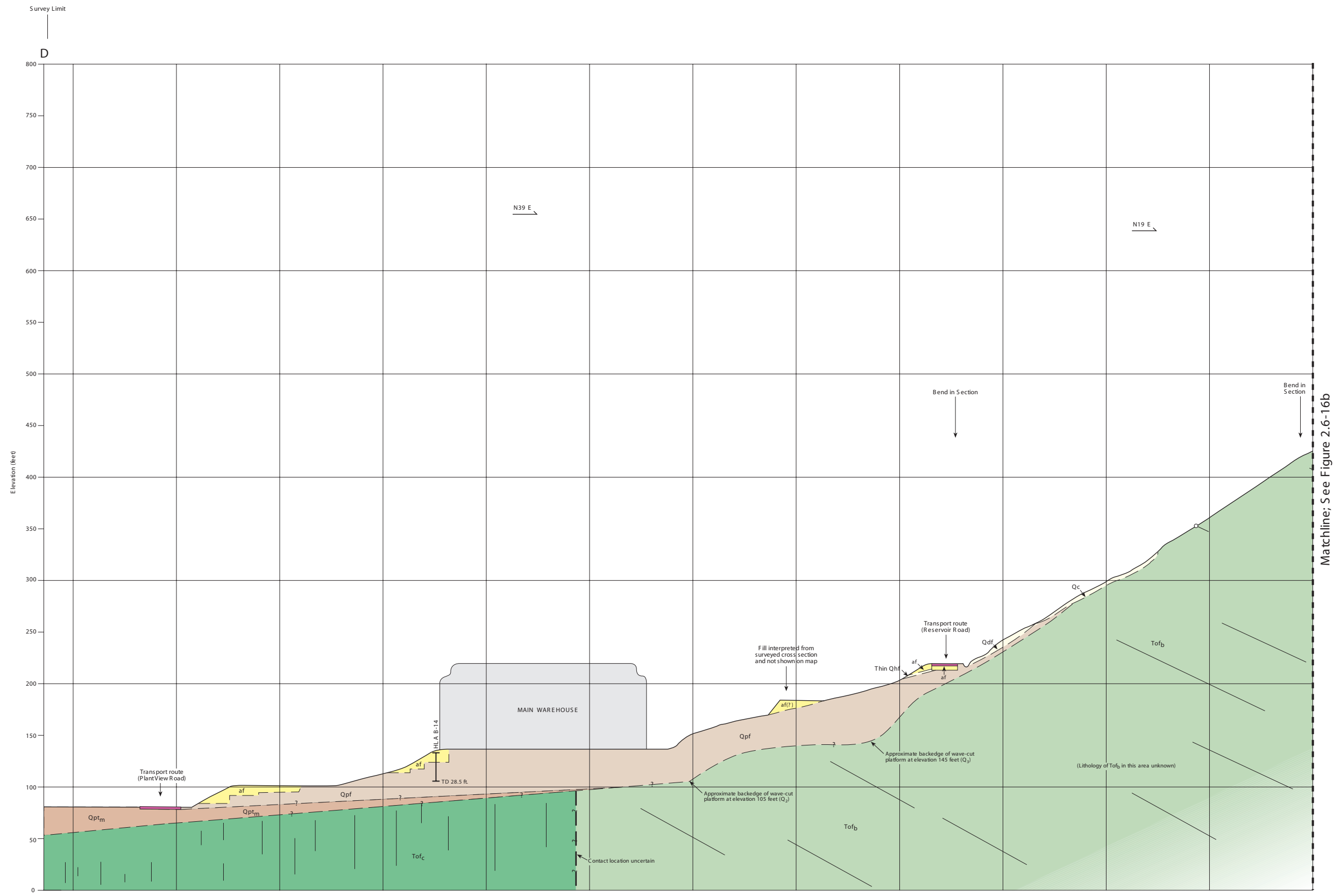
? - - - Clay bed; silty and sandy, tan to brown, some angular fragments within clay matrix, locally contains foraminifera, generally thin (1/16 to 1/2 inch). Clay beds more common and more laterally continuous in dolomite unit than in the sandstone unit

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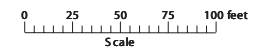
FIGURE 2.6-15

GENERALIZED STRATIGRAPHIC COLUMN AT THE ISFSI AND POWER BLOCK SITES

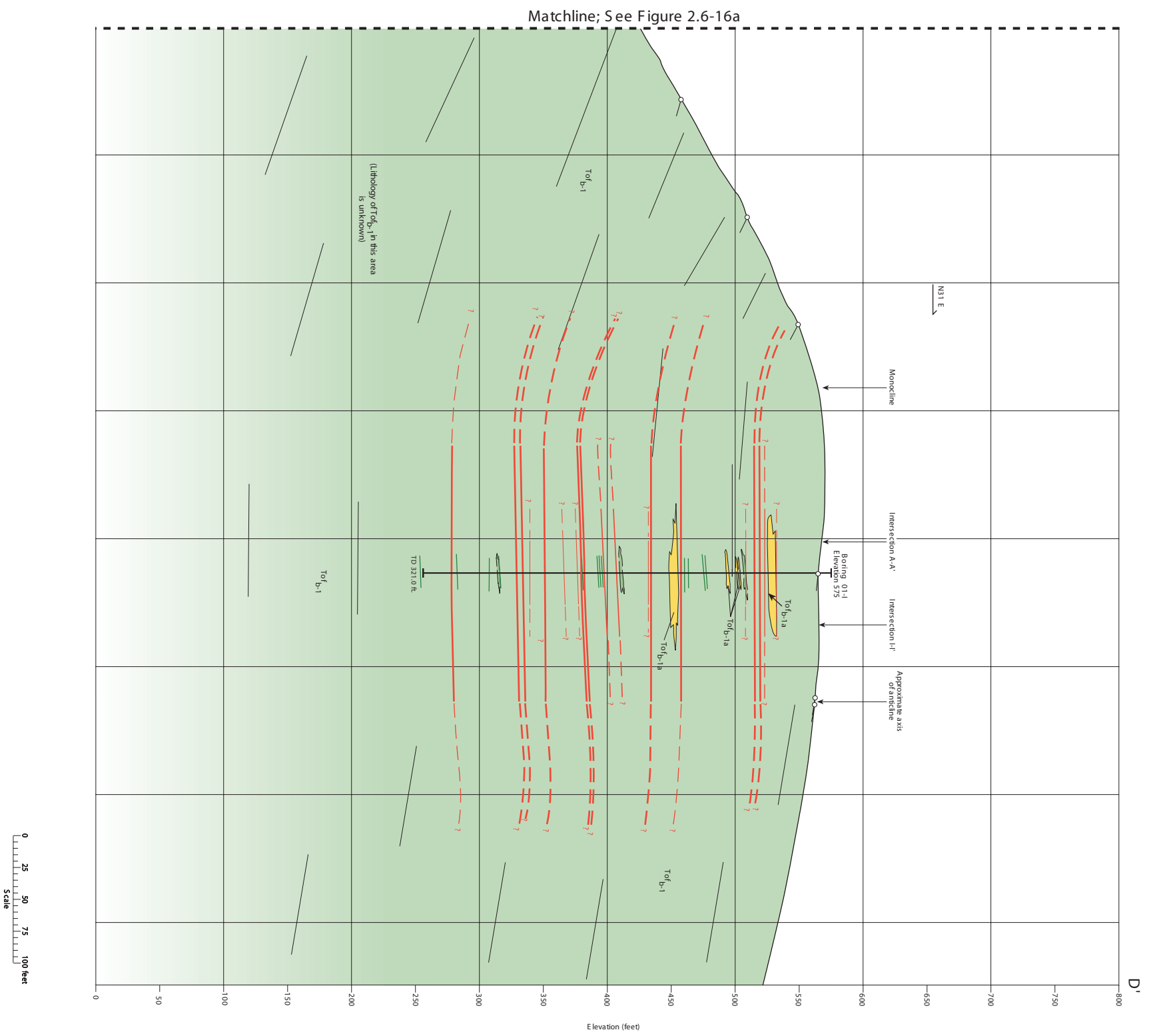


Matchline: See Figure 2.6-16b

- Notes
1. Location of cross section shown on Figures 2.6-7 and 2.6-8. Nearby borings are projected to cross section.
 2. See Figure 2.6-9 for explanation of geologic units.
 3. Horizontal scale = vertical scale.



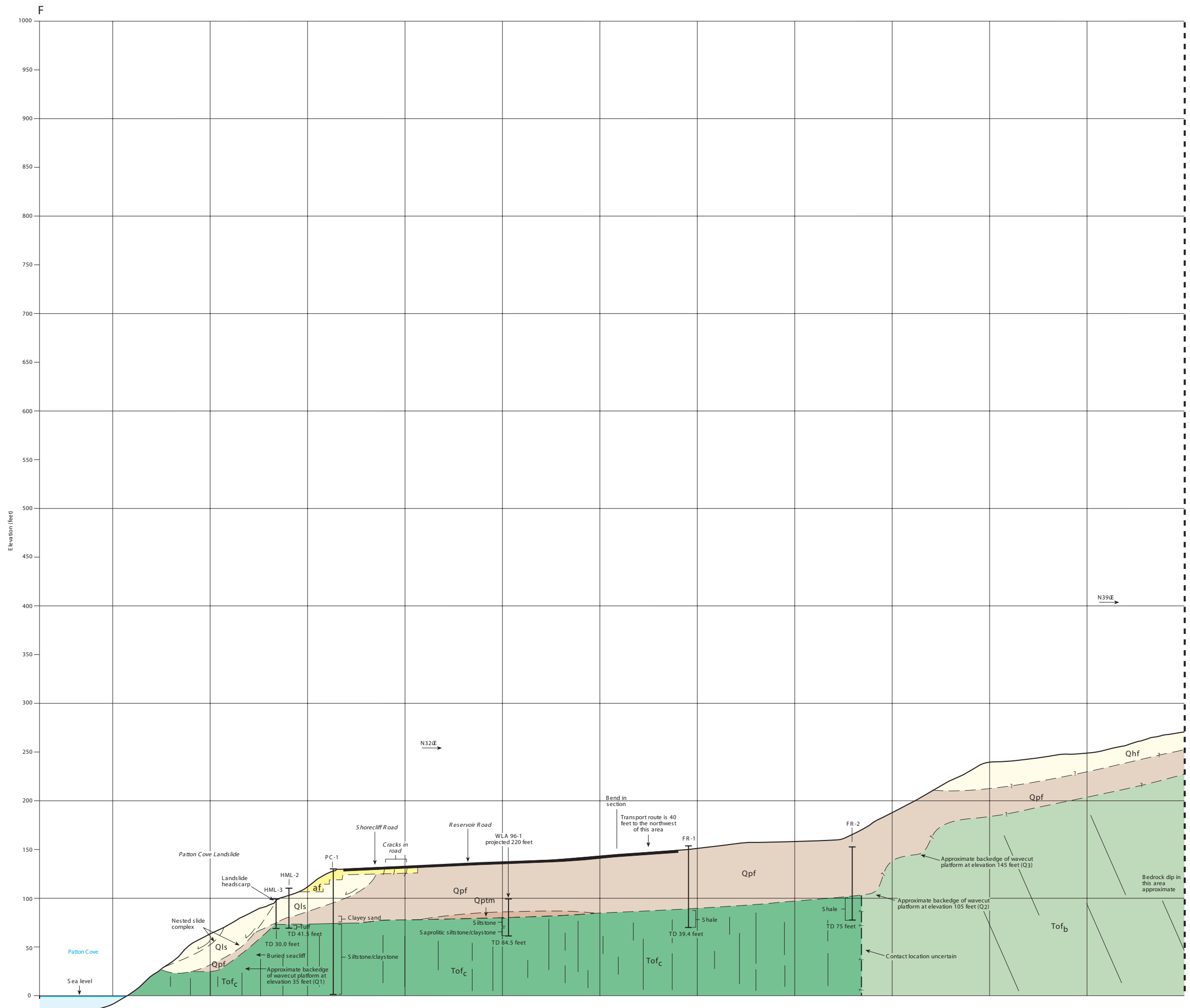
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FIGURE 2.6-16a
CROSS SECTION D-D'



- Notes
1. Location of cross section shown on Figures 2.6-7 and 2.6-8. Nearby borings are projected to cross section.
 2. See Figure 2.6-9 for explanation of geologic units.
 3. Horizontal scale = vertical scale.

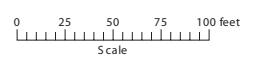
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FIGURE 2.6-16b
CROSS SECTION D-D'

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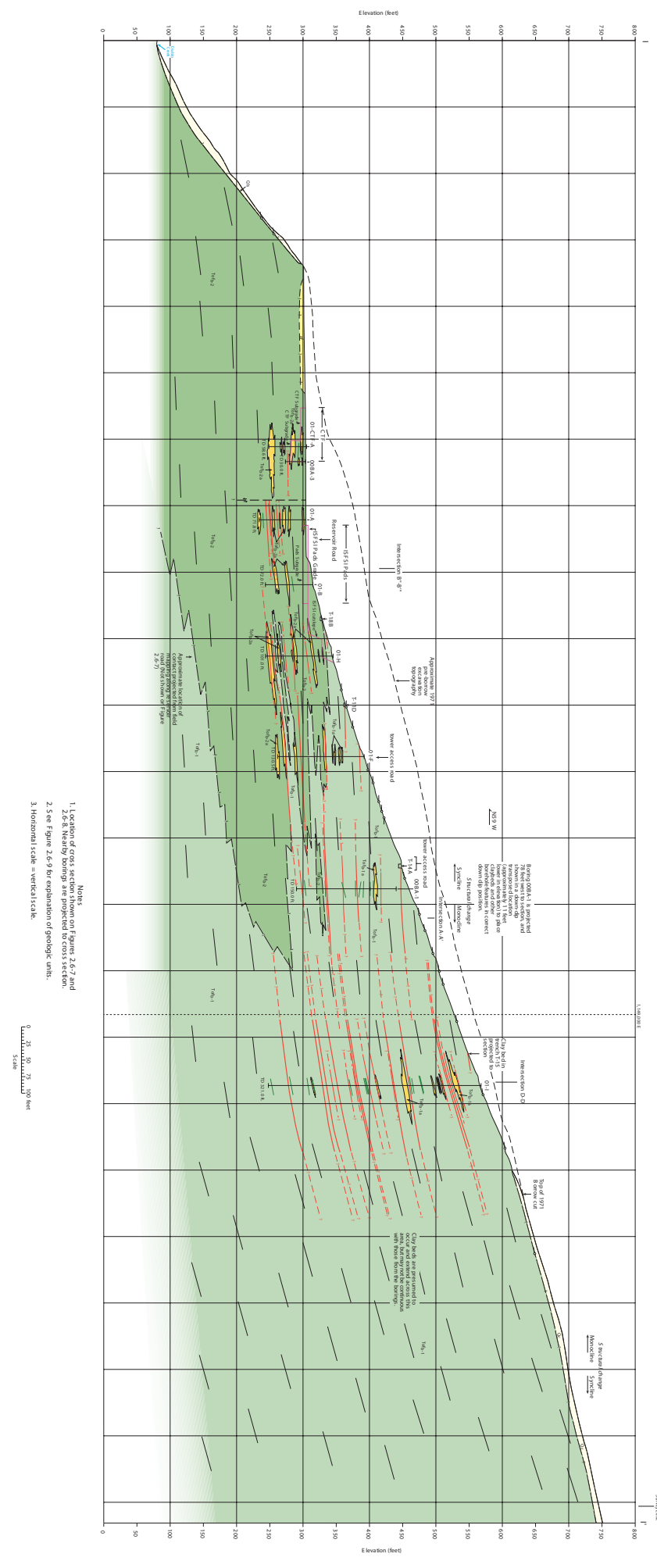
Matchline; See Figure 21-19b

- Notes
1. Location of cross section shown on Figures 21-3 and 21-4. Nearby borings are projected to cross section.
 2. See Figure 21-13 for explanation of geologic units.
 3. Horizontal scale = Vertical scale.



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FIGURE 2.6-17a
CROSS SECTION F-F'

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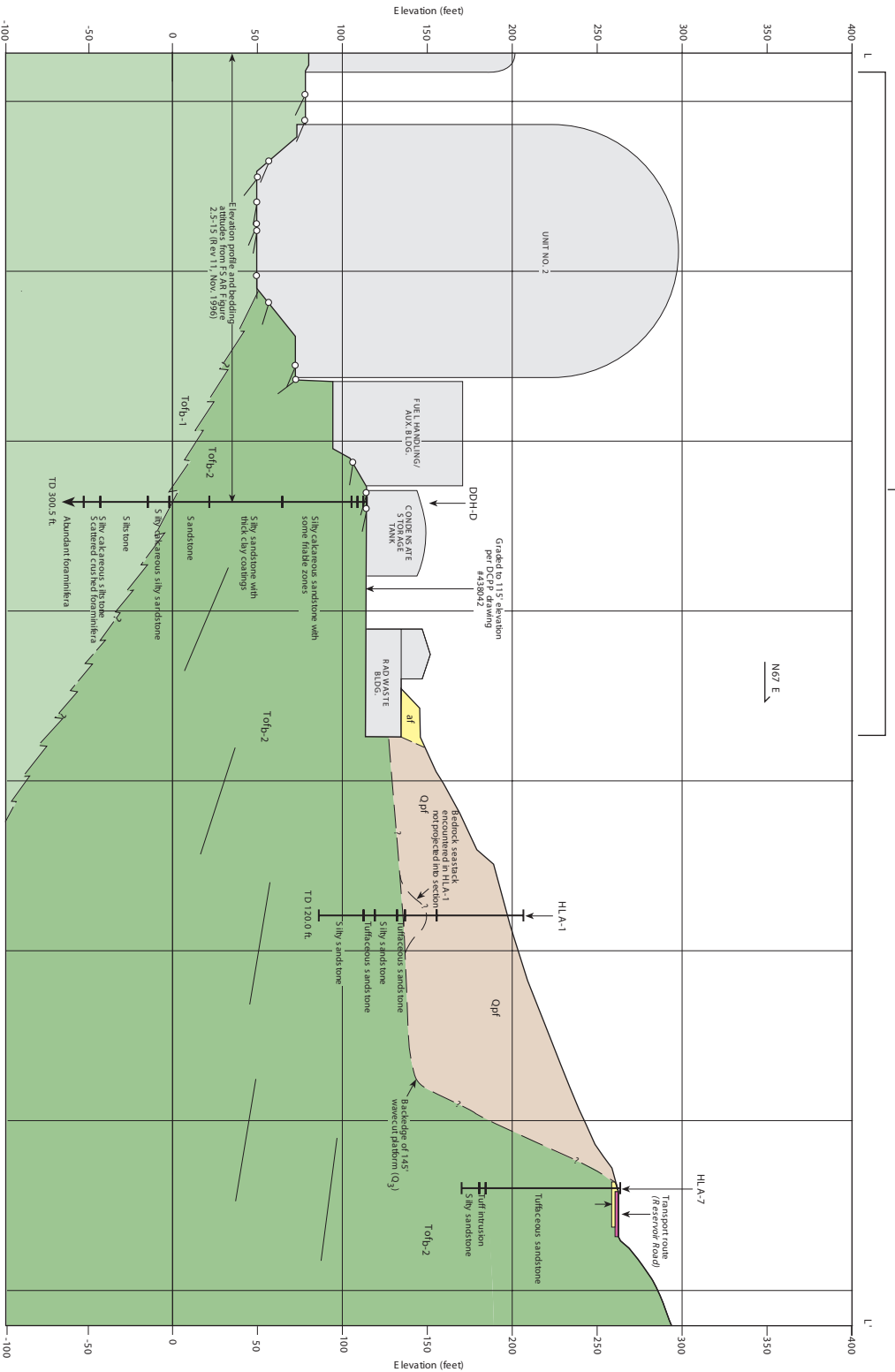
- 1. Location of cross sections from on Figures 2.6-7 and 2.6-8. Nearby borings are projected to cross section.
- 2. See Figure 2.6-9 for explanation of geologic units.
- 3. Horizontal scale = vertical scale.

0 100 200 300 400 500 600 700 800 feet

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FIGURE 2.6-18
CROSS SECTION I-I'

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Note: Detailed topography and fill near facilities not shown on Figure 2.6-7



- Notes
1. Location of cross section shown on Figures 2.6-7. Nearby borings are projected to cross section.
 2. See Figure 2.6-9 for explanation of geologic units.
 3. Horizontal scale = vertical scale.



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FIGURE 2.6-19
CROSS SECTION L-L'

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Dolomite (Tof_{b-1}) exposed along Reservoir Road above parking lot 8. Exposure illustrates well-bedded strata. Some joints terminate at bedding planes (e.g., in left middle). Gray is unweathered, and brown is weathered rock. Photo roll JLB-4.

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FIGURE 2.6-20
CLOSE-UP VIEW OF WELL-BEDDED DOLOMITE ALONG RESERVOIR ROAD



Outcrop of thick to massive bedded, weathered sandstone of unit (Tof_{b-2}), directly west of the ISFSI. Photo roll JLB OLD-2.

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FIGURE 2.6-21 SANDSTONE OUTCROP IN THE ISFSI STUDY AREA



Friable sandstone (Tof_{b-2a}) in trench T-1. The friable sandstone generally is weakly bedded and jointed. A small near-vertical fault is indicated by oxidized clay stringers in the sandstone. Photo roll JLB-3.

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FIGURE 2.6-22
FRIABLE SANDSTONE IN TRENCH T-1



Clay bed within dolomite (Tof_{b-1}) with sample tube in trench T-14B. Photo roll JLB-8.

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FIGURE 2.6-23
CLAY BED IN TRENCH T-14B