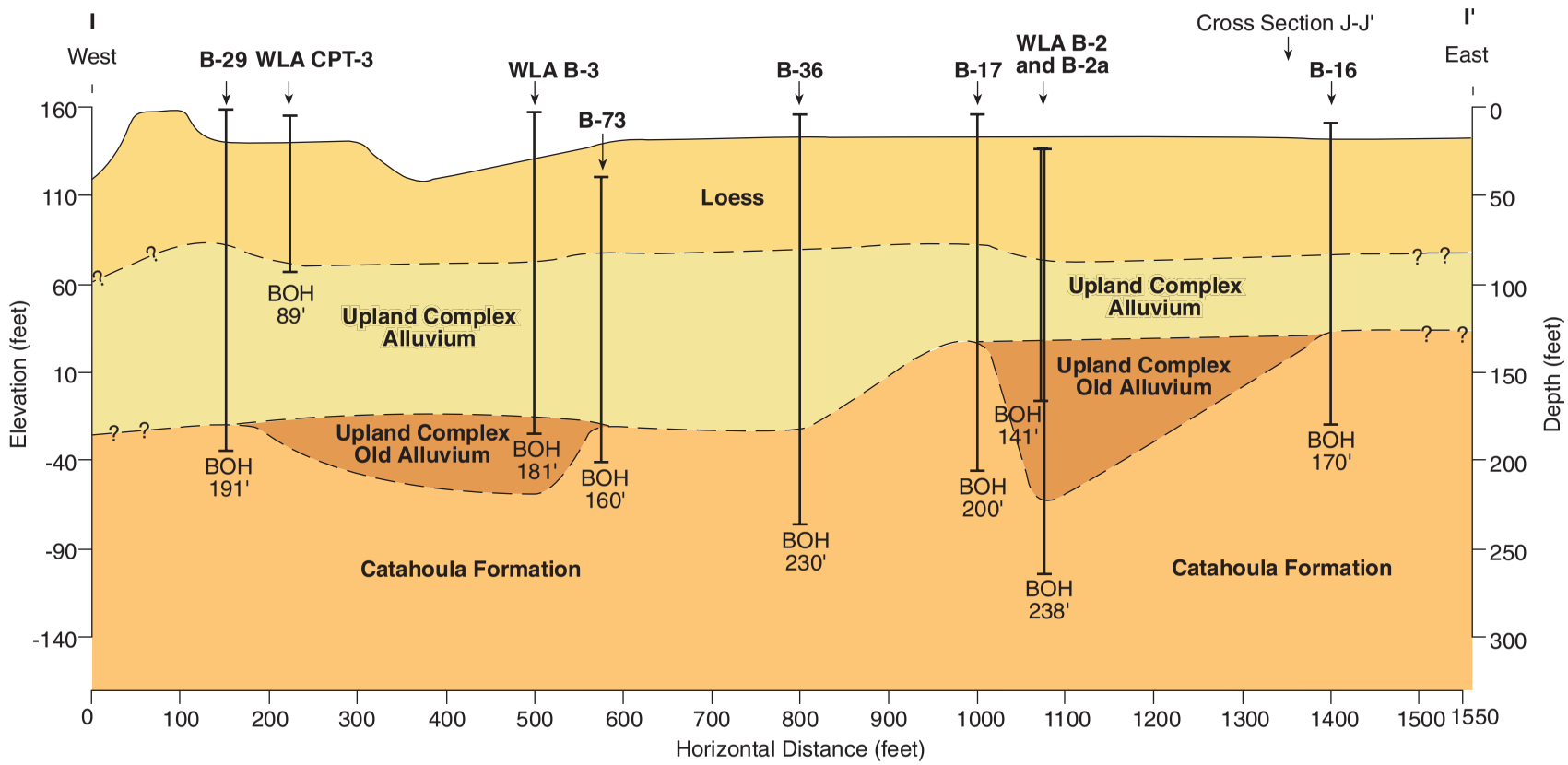


Note: Boring elevations above or below ground surface where projected to plane of section, or due to surface modifications.

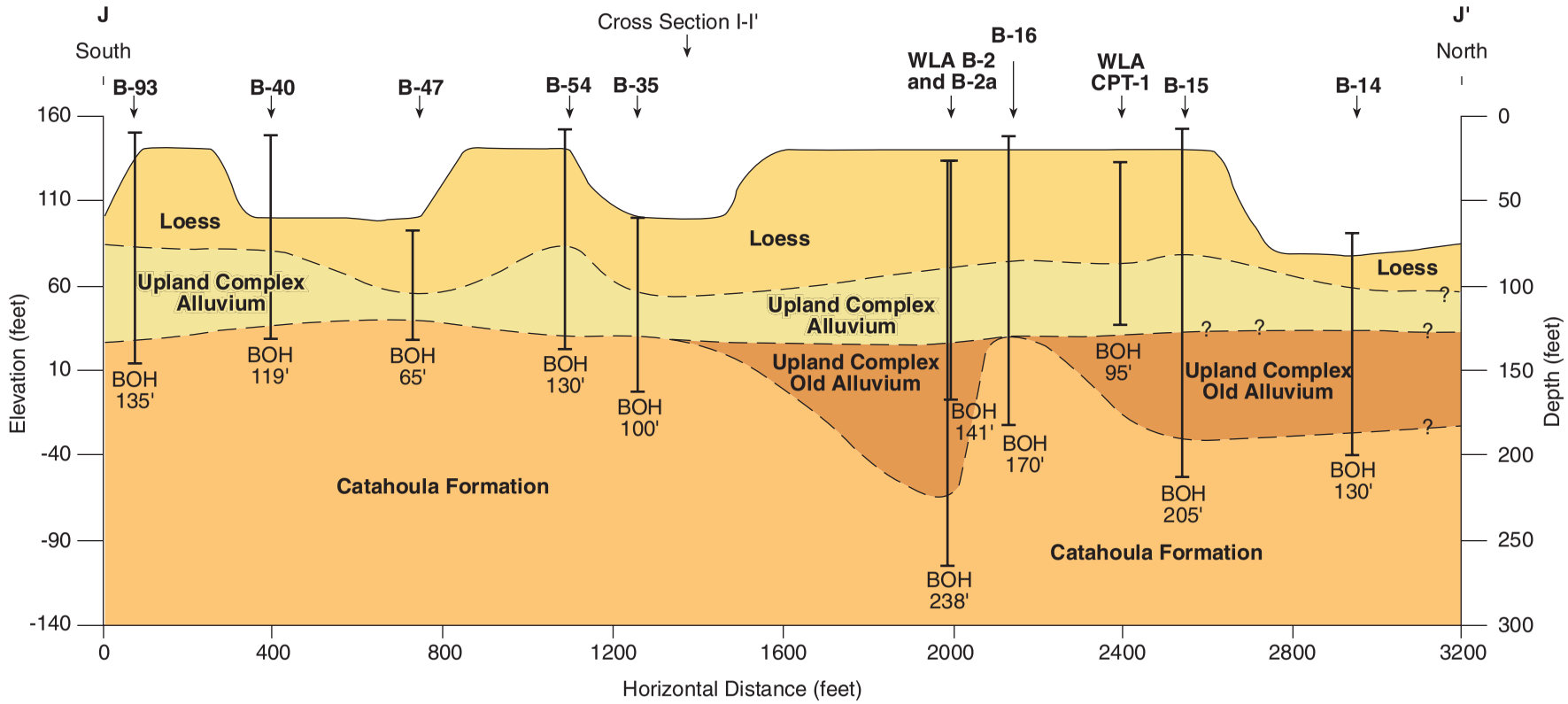
Vertical exaggeration=2x

Location of cross section shown on Figure 2.5-27

SERI
GRAND GULF NUCLEAR STATION SITE
EARLY SITE PERMIT APPLICATION
SITE SAFETY ANALYSIS REPORT

CROSS SECTION I-I' OF SITE LOCATION

FIGURE 2.5-30 REV. 0



Note: Boring elevations above or below ground surface where projected to plane of section, or due to surface modifications.

Vertical exaggeration=4x

Location of cross section shown on Figure 2.5-27

SERI
GRAND GULF NUCLEAR STATION SITE
EARLY SITE PERMIT APPLICATION
SITE SAFETY ANALYSIS REPORT

CROSS-SECTION J-J' OF SITE LOCATION

FIGURE 2.5-31 REV. 0

Explanation

Grand Gulf Site

Contour of top of Upland Complex Deposits; contour interval = 10 feet

Data source: Figure 2.5-28 of Ref. 16

N

0 250 500 1,000 1,500 2,000 2,500 Feet

0 50 100 200 300 400 500 Meters

1" = 1,000

Scale

Location Map

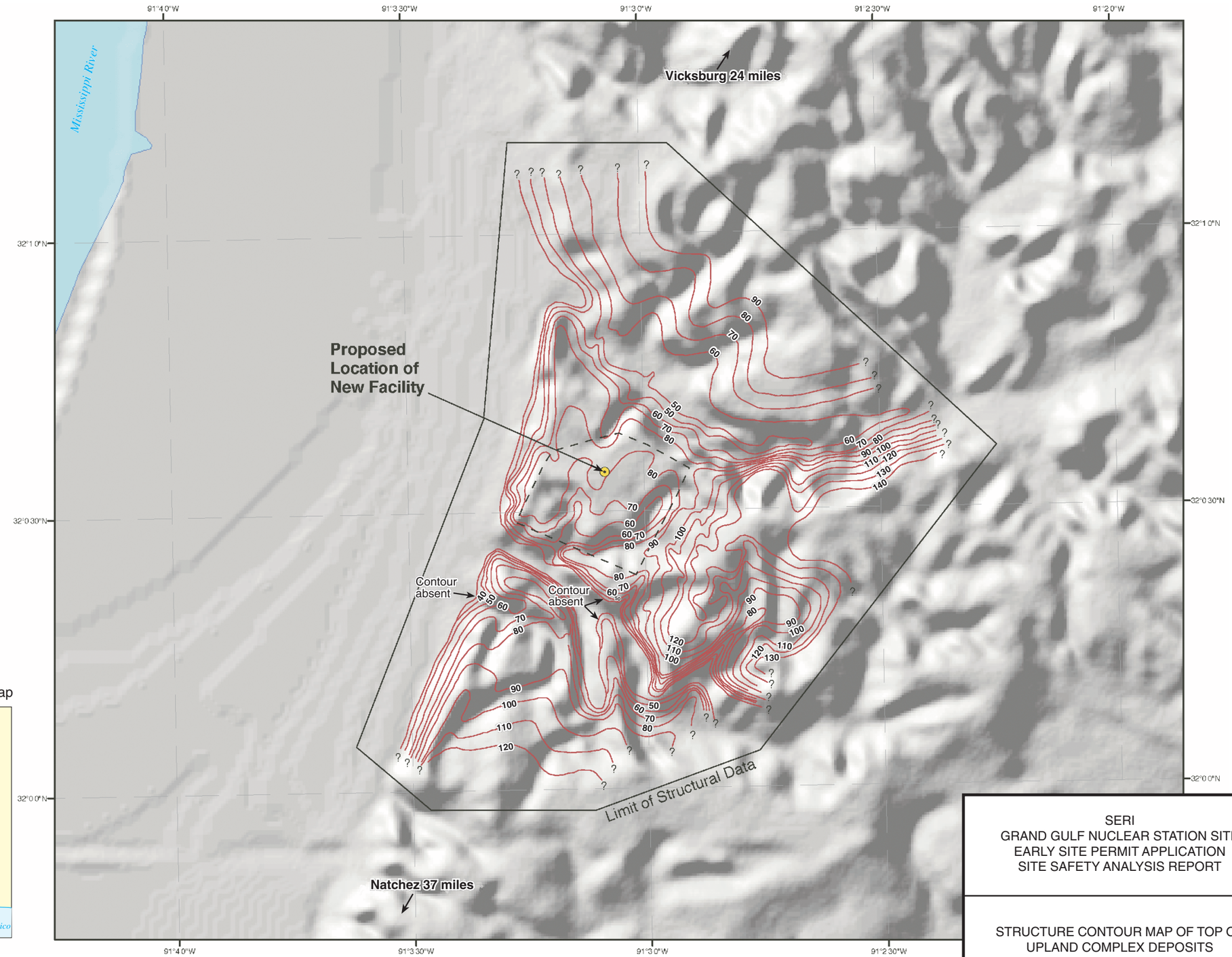
Arkansas

Mississippi

Louisiana

Area of Figure

Gulf of Mexico



SERI
GRAND GULF NUCLEAR STATION SITE
EARLY SITE PERMIT APPLICATION
SITE SAFETY ANALYSIS REPORT

STRUCTURE CONTOUR MAP OF TOP OF UPLAND COMPLEX DEPOSITS

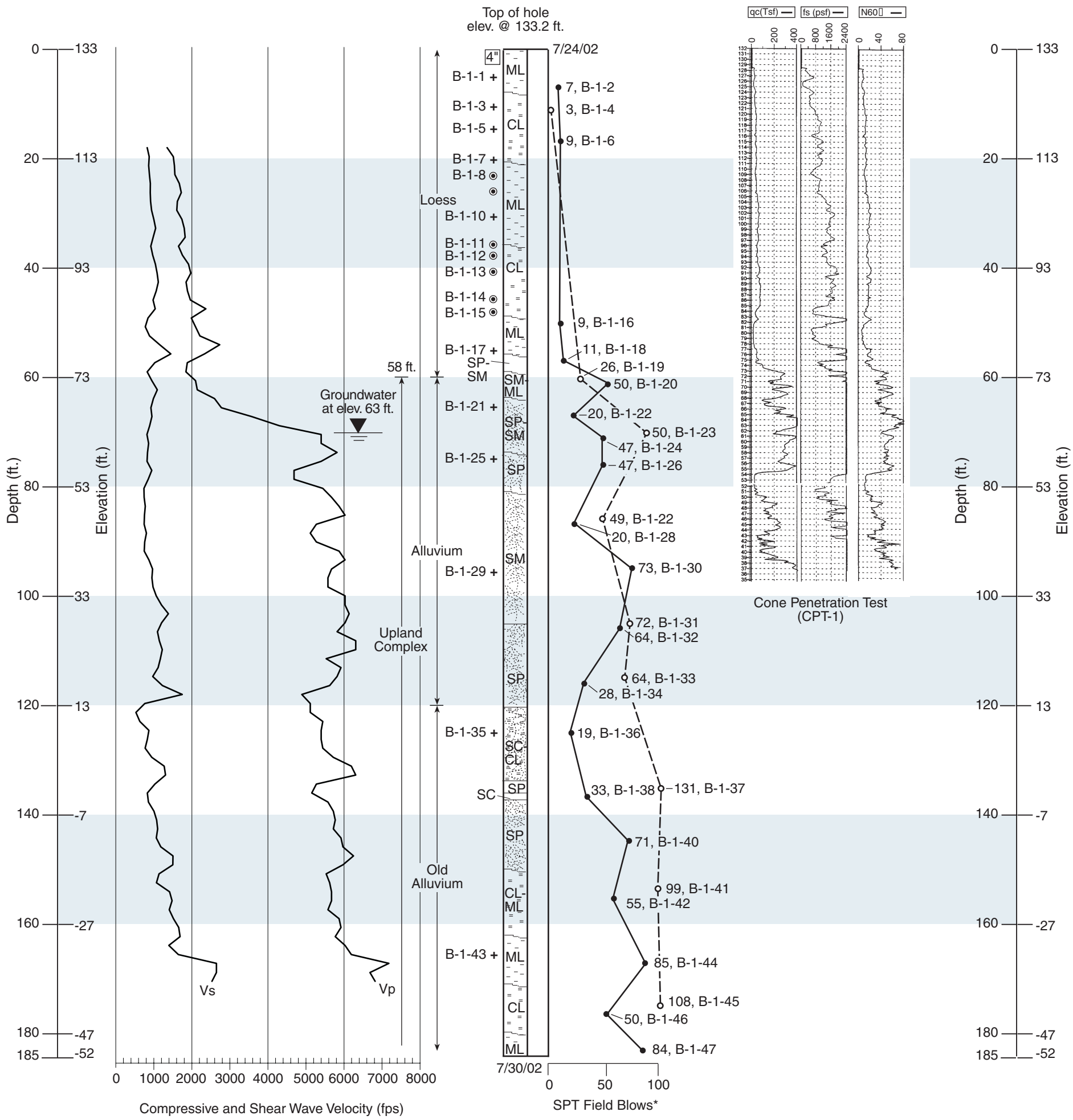
FIGURE 2.5-32 REV. 0

Photo showing example of possible Pleistocene terrace surface (elevation approximately 200 feet) in Site Area. Photo taken on south side of Bayou Pierre, near Port Gibson.

SERI GRAND GULF NUCLEAR STATION SITE
EARLY SITE PERMIT APPLICATION
SITE SAFETY ANALYSIS REPORT

PHOTO OF POSSIBLE PLEISTOCENE
TERRACE IN SITE AREA

FIGURE 2.5-33 REV. 0



Notes: 1. Downhole geophysics in bald hole preformed by T. Martin of Geovision.

2. Groundwater level interpreted from geophysical log.

3. Vs = Shear Wave Velocity
Vp = Compressional Wave Velocity

4. CPT-1 is located approximately 10 feet northeast of B-1.

*Blows determined with a 140 lb. hammer, 30" drop.

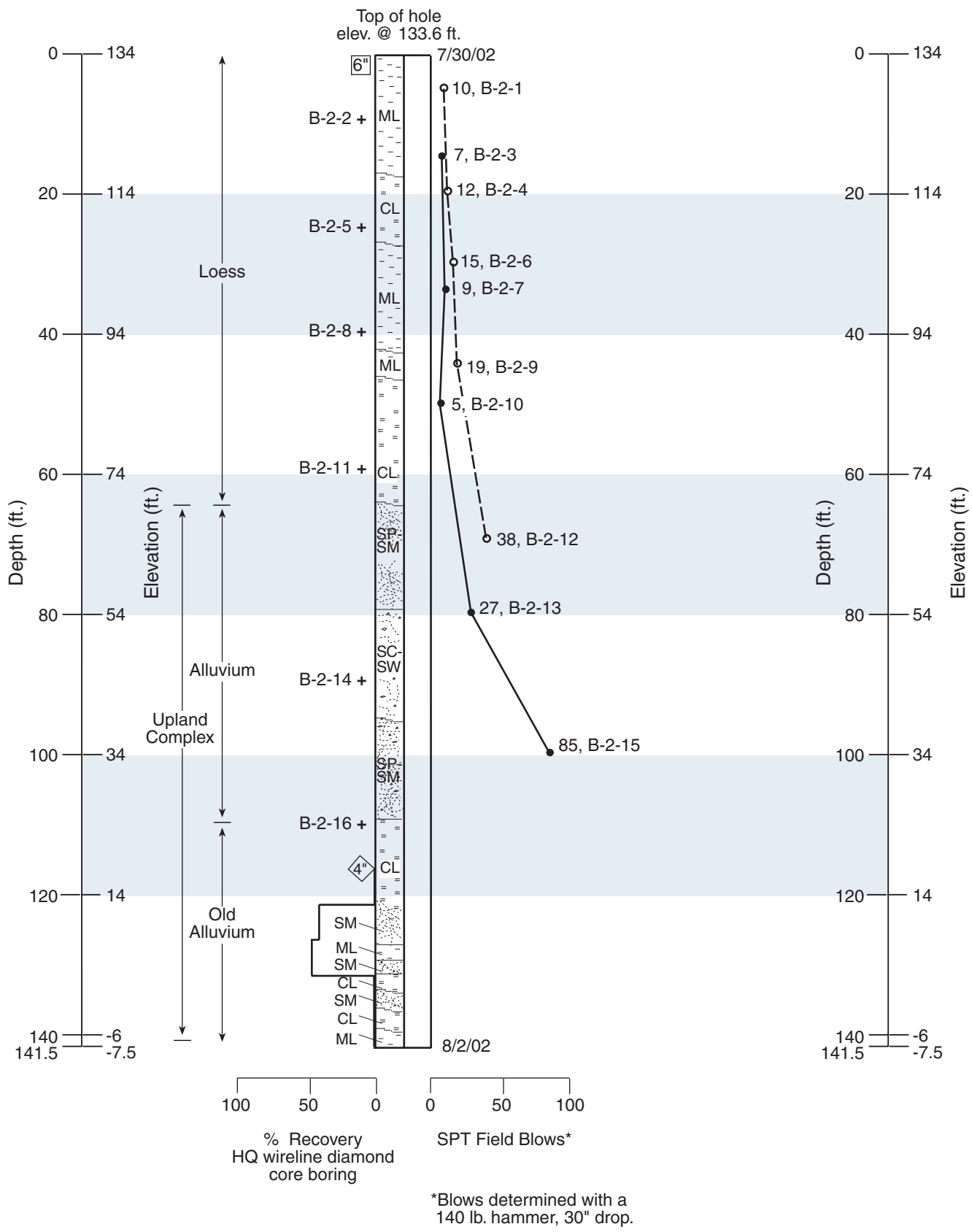
Explanation

- ● SPT sampler
- ◉ SPT sampler (pushed)
- ○ 3.0" O.D. "ModCal" sampler
- + 3.0" O.D. thin wall Shelby Sampler (pushed)
- 4" Mud rotary hole diameter

SERI
GRAND GULF NUCLEAR STATION SITE
EARLY SITE PERMIT APPLICATION
SITE SAFETY ANALYSIS REPORT

BORING SUMMARY SHEET,
BORING 1

FIGURE 2.5-34 REV. 0



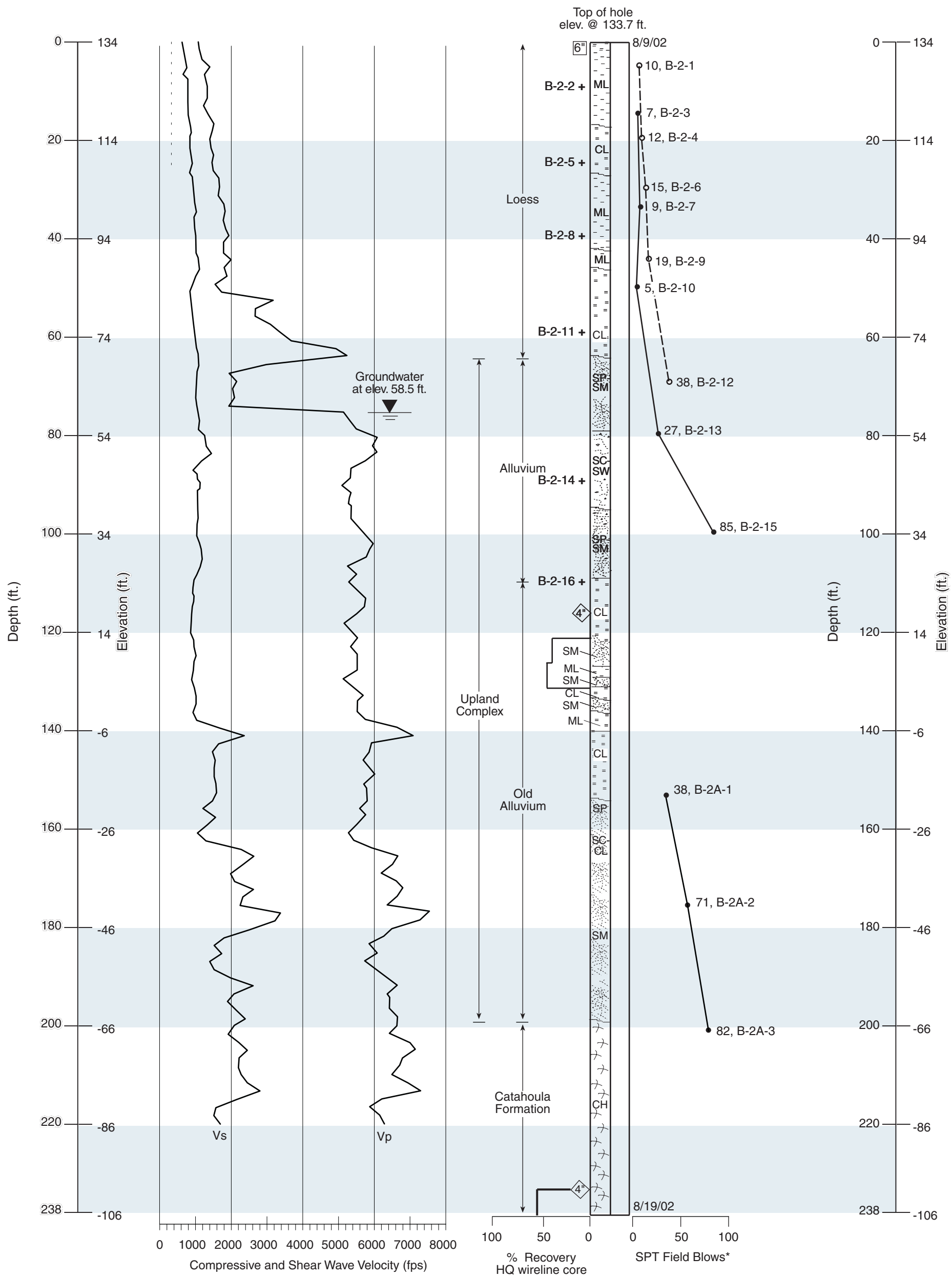
Explanation

- ● SPT sampler
- ○ 3.0" O.D. "ModCal" sampler
- + 3.0" O.D. thin wall Shelby Sampler (pushed)
- 6" Mud rotary hole diameter
- 4" Wireline corehole diameter

SERI
GRAND GULF NUCLEAR STATION SITE
EARLY SITE PERMIT APPLICATION
SITE SAFETY ANALYSIS REPORT

BORING SUMMARY SHEET,
BORING 2

FIGURE 2.5-35 REV. 0



Notes: 1. Downhole geophysics in bald hole preformed by T. Martin of Geovision.

2. Groundwater level interpreted from geophysical log.

3. Vs = Shear Wave Velocity
Vp = Compressional Wave Velocity

*Blows determined with a 140 lb. hammer, 30" drop.

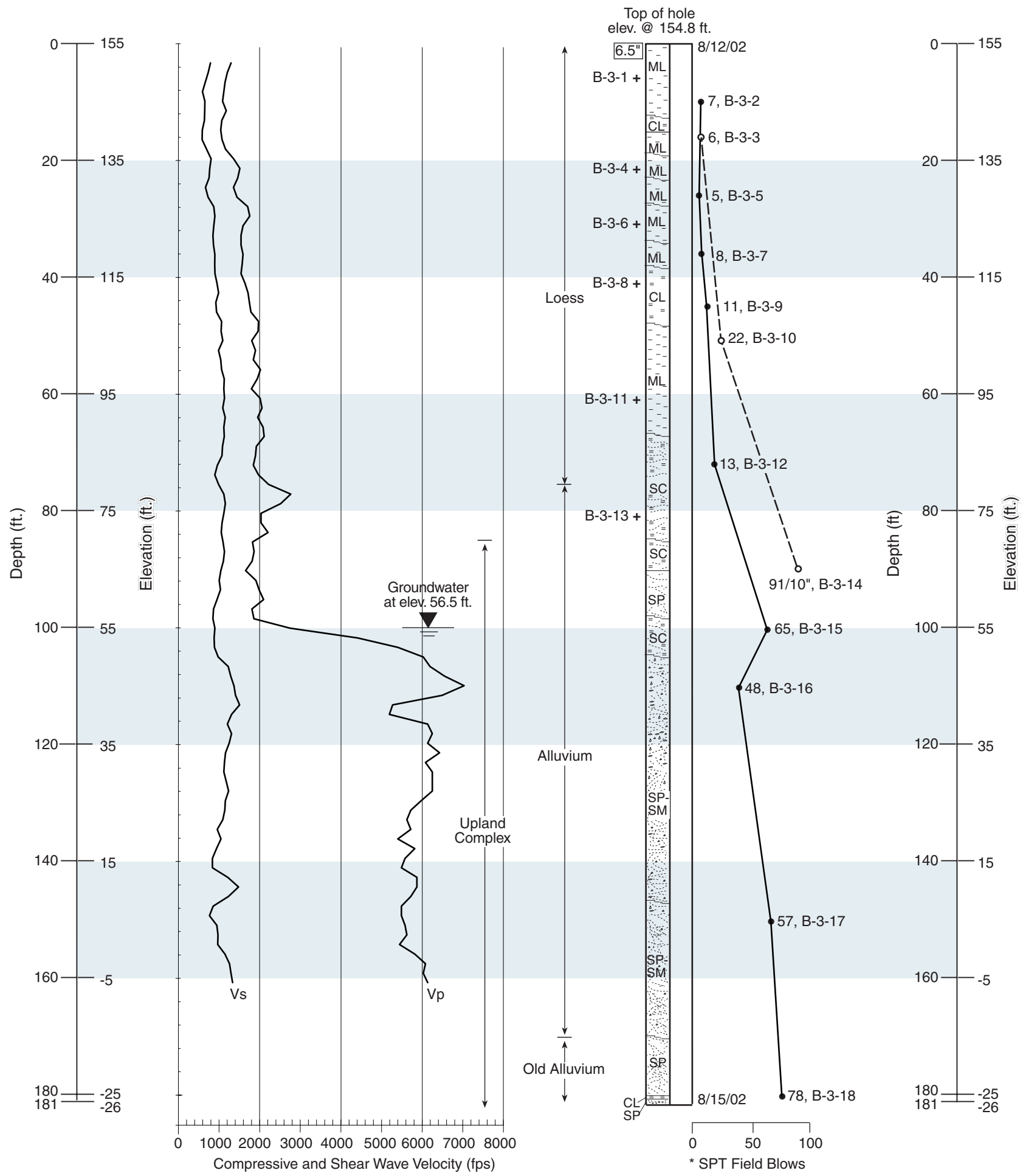
Explanation

- ● SPT sampler
- ○ 3.0" O.D. "ModCal" sampler
- + 3.0" O.D. thin wall Shelby Sampler (pushed)
- 6" Mud rotary hole diameter
- 4" Wireline corehole diameter

SERI
GRAND GULF NUCLEAR STATION SITE
EARLY SITE PERMIT APPLICATION
SITE SAFETY ANALYSIS REPORT

BORING SUMMARY SHEET,
BORING 2A

FIGURE 2.5-36 REV. 0



Notes: 1. Downhole geophysics in bald hole preformed by T. Martin of Geovision.

2. Groundwater level interpreted from geophysical log.

3. Vs = Shear Wave Velocity
Vp = Compressional Wave Velocity

* Blows determined with a 140 lb. hammer, 30" drop.

Explanation

- ● SPT sampler
- ○ 3.0" O.D. "ModCal" sampler
- \+ 3.0" O.D. thin wall Shelby Sampler (pushed)
- 6.5" Mud rotary hole diameter

SERI
GRAND GULF NUCLEAR STATION SITE
EARLY SITE PERMIT APPLICATION
SITE SAFETY ANALYSIS REPORT

BORING SUMMARY SHEET,
BORING 3

FIGURE 2.5-37 REV. 0