

Figure 2.5.1-32 Site Topographic Map (0.6-Mile Radius)

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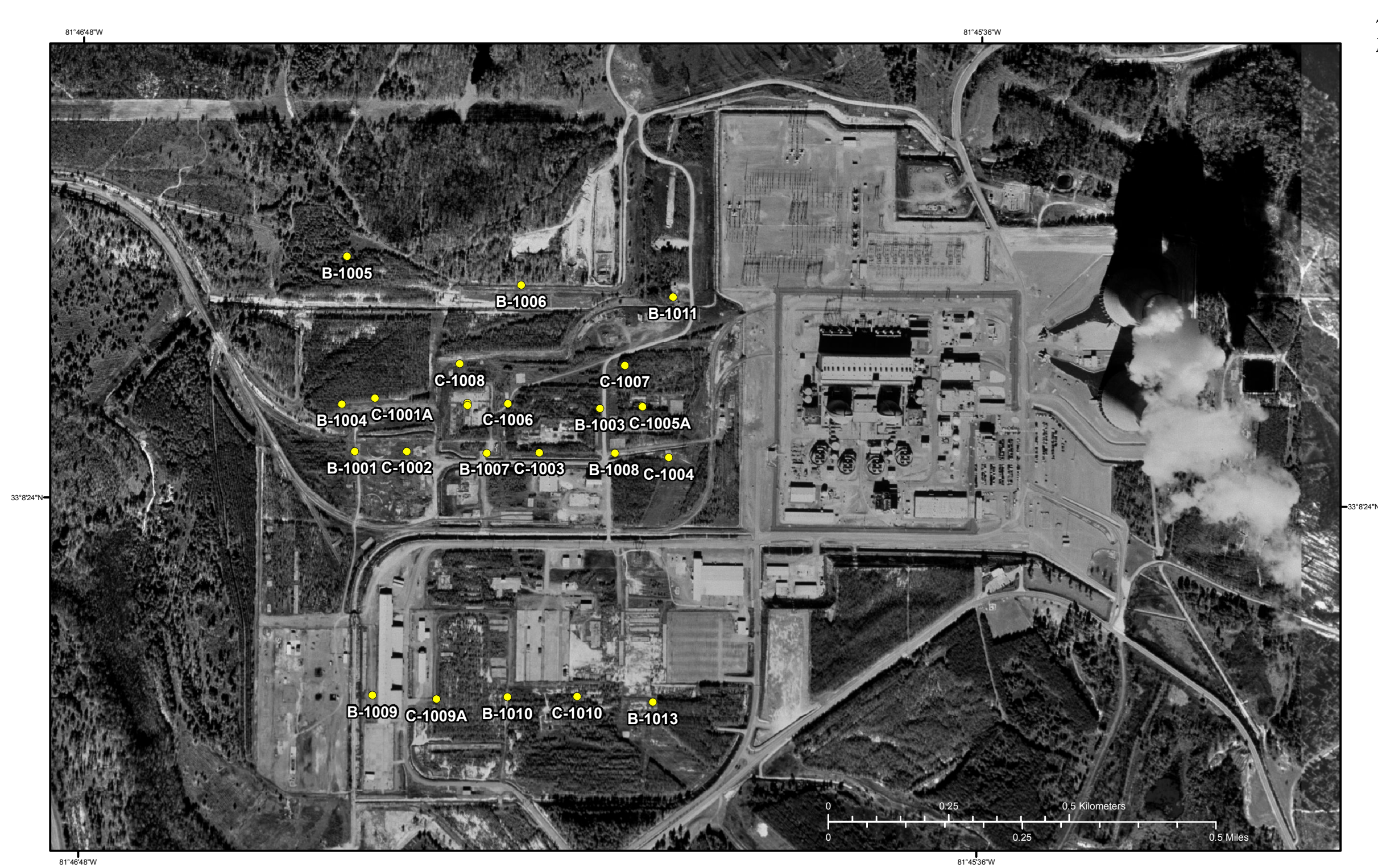


Figure 2.5.1-33 Site Borings Location Map

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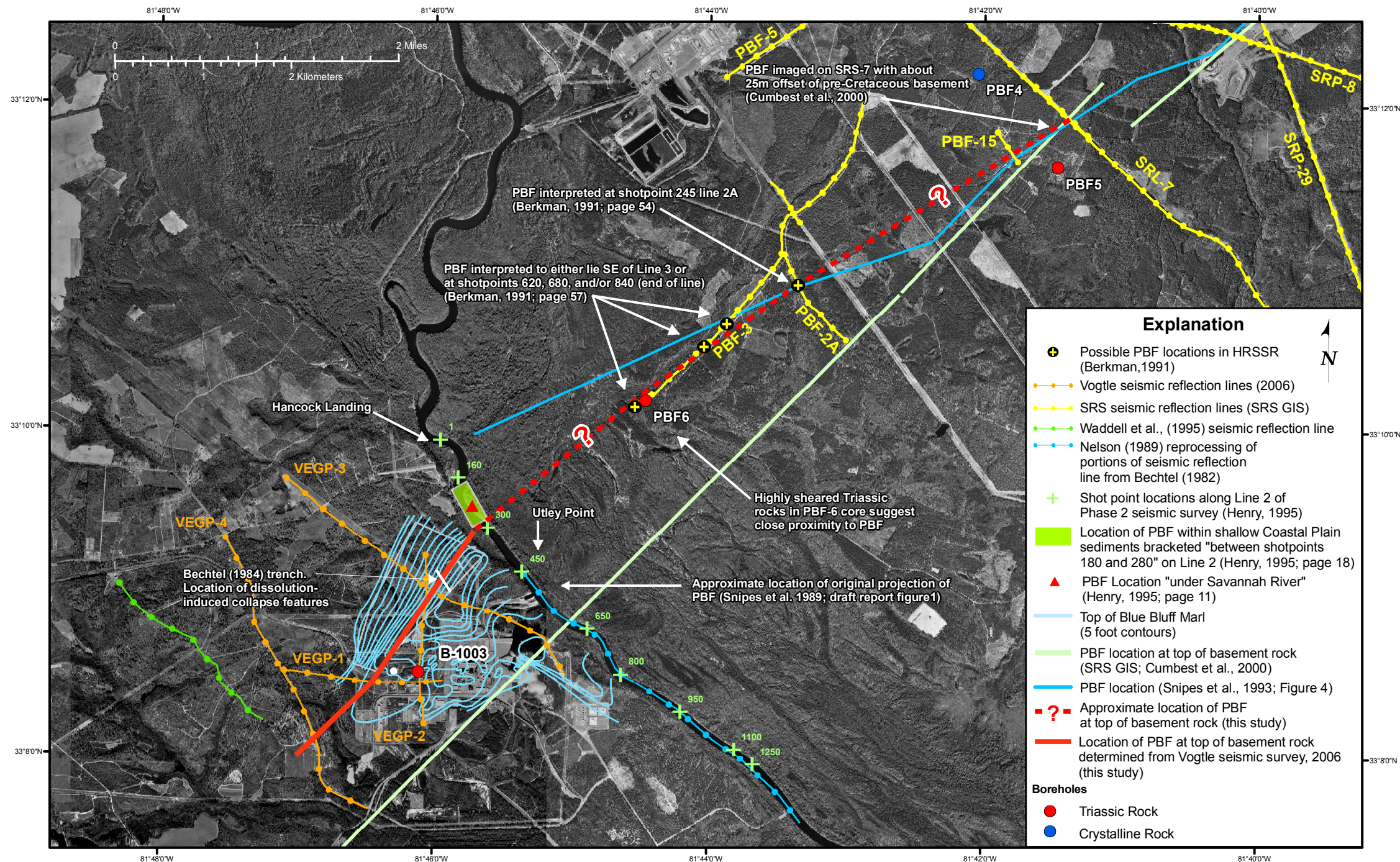


Figure 2.5.1-34 Location of Pen Branch Fault

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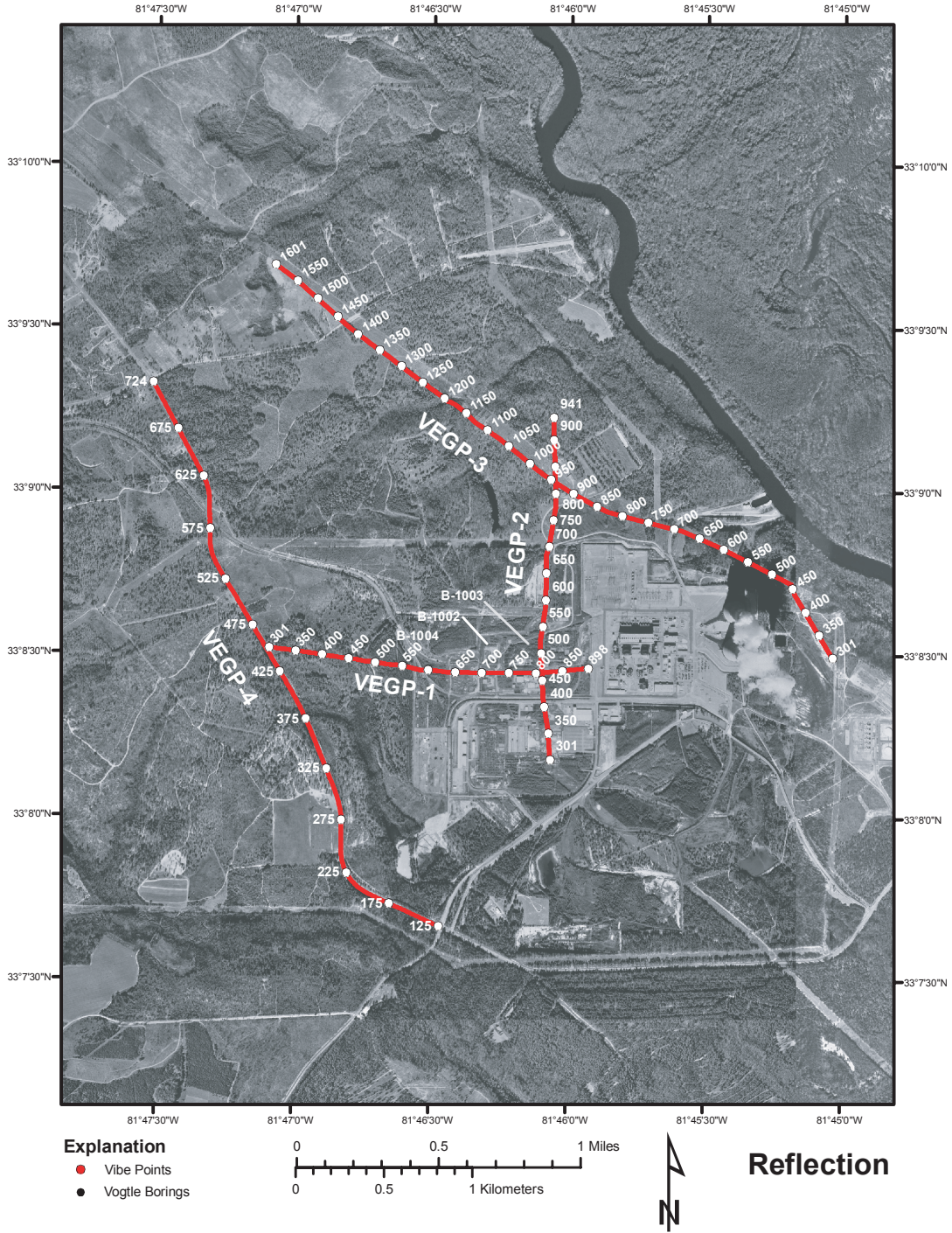


Figure 2.5.1-35 Seismic Reflection Array

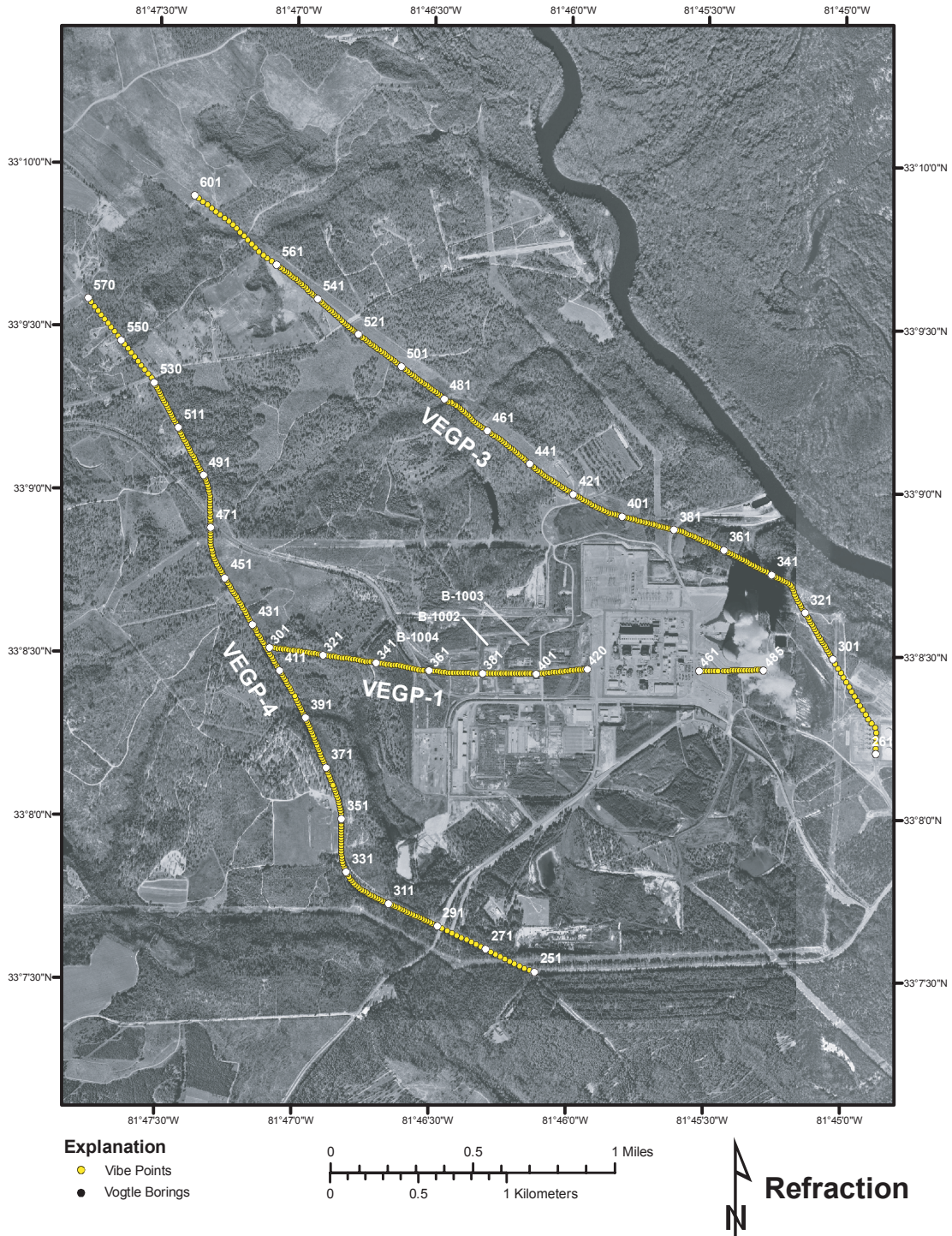


Figure 2.5.1-36 Seismic Refraction Array

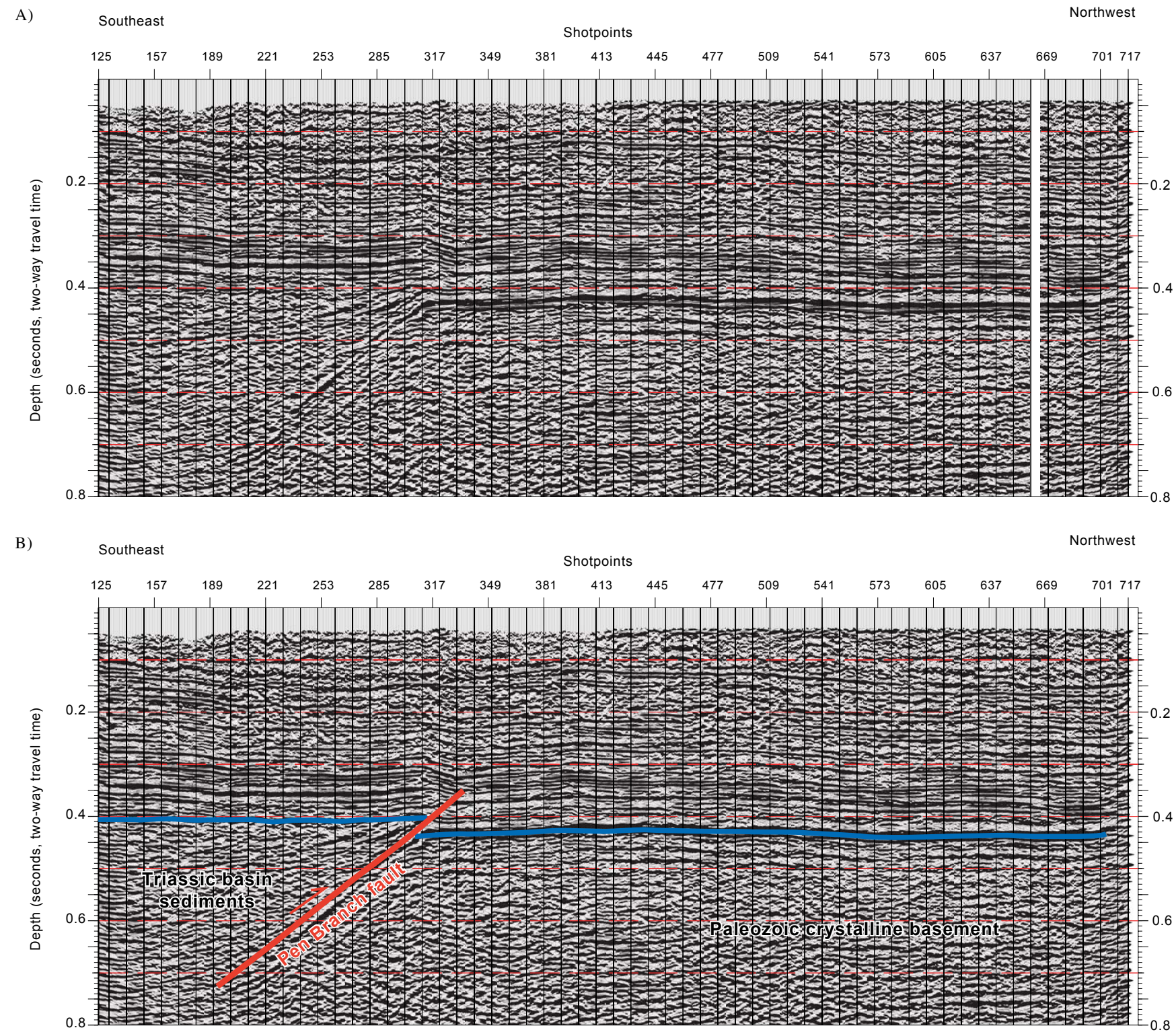


Figure 2.5.1-37 (A) Seismic Reflection Line 4 (Time Section; Display Velocity = 12,000 fps)
(B) Interpretation (Blue Line Represents Top of Basement)

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AGE			UNIT	DEPTH (FT)	ELEVATION (FT MSL)		
Cenozoic	TerTiary	Eocene	Upper	Barnwell Group <ul style="list-style-type: none"> • Tobacco Road Sand • Dry Branch Formation • Clinchfield Formation <ul style="list-style-type: none"> ○ Utley Limestone Member 	Ground surface	+223	
			Middle	Claiborne Group <ul style="list-style-type: none"> • Lisbon Formation <ul style="list-style-type: none"> ○ Blue Bluff Member / McBean Member • Still Branch Sand • Congaree Formation 	48	+175	
			Lower		86	+137	
		Paleocene	Upper	<ul style="list-style-type: none"> • Snapp Formation • Black Mingo Formation 	149	+74	
			Lower		216	+7	
		Mesozoic	Cretaceous	Upper		• Steel Creek Formation	477
					• Gaillard Formation/ Black Creek Formation	587	-364
					• Pio Nono Formation / Unnamed Sand	798	-575
	• Cape Fear Formation				858	-635	
Triassic			Triassic (Dunbarton) basin	1049	-826		
				Boring terminated at 1338			

Figure 2.5.1-38 Site Stratigraphic Column Based on Boring B-1003

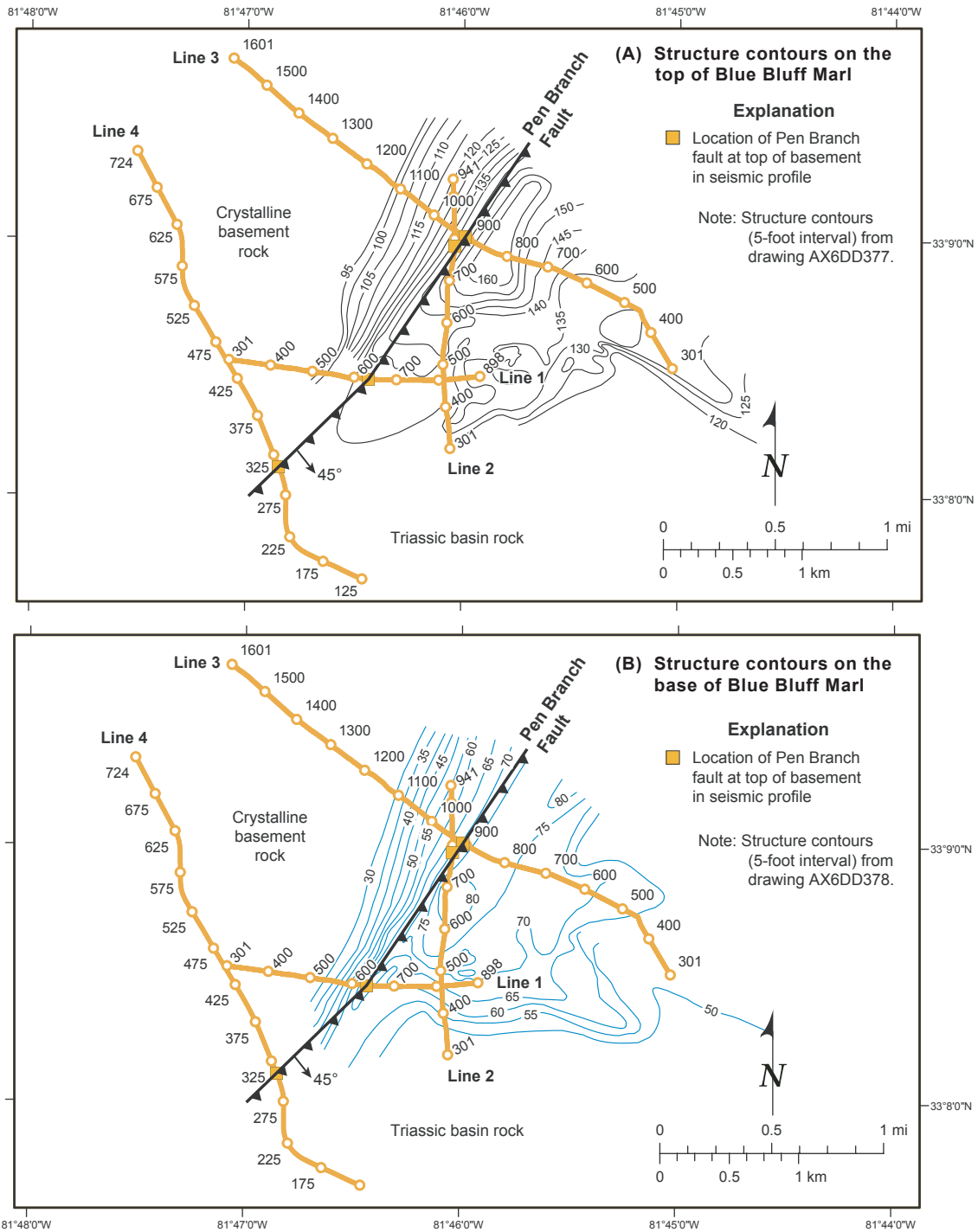


Figure 2.5.1-39 Location of the Pen Branch Fault at Top of Basement Beneath the Overlying Monocline in the Blue Bluff Marl

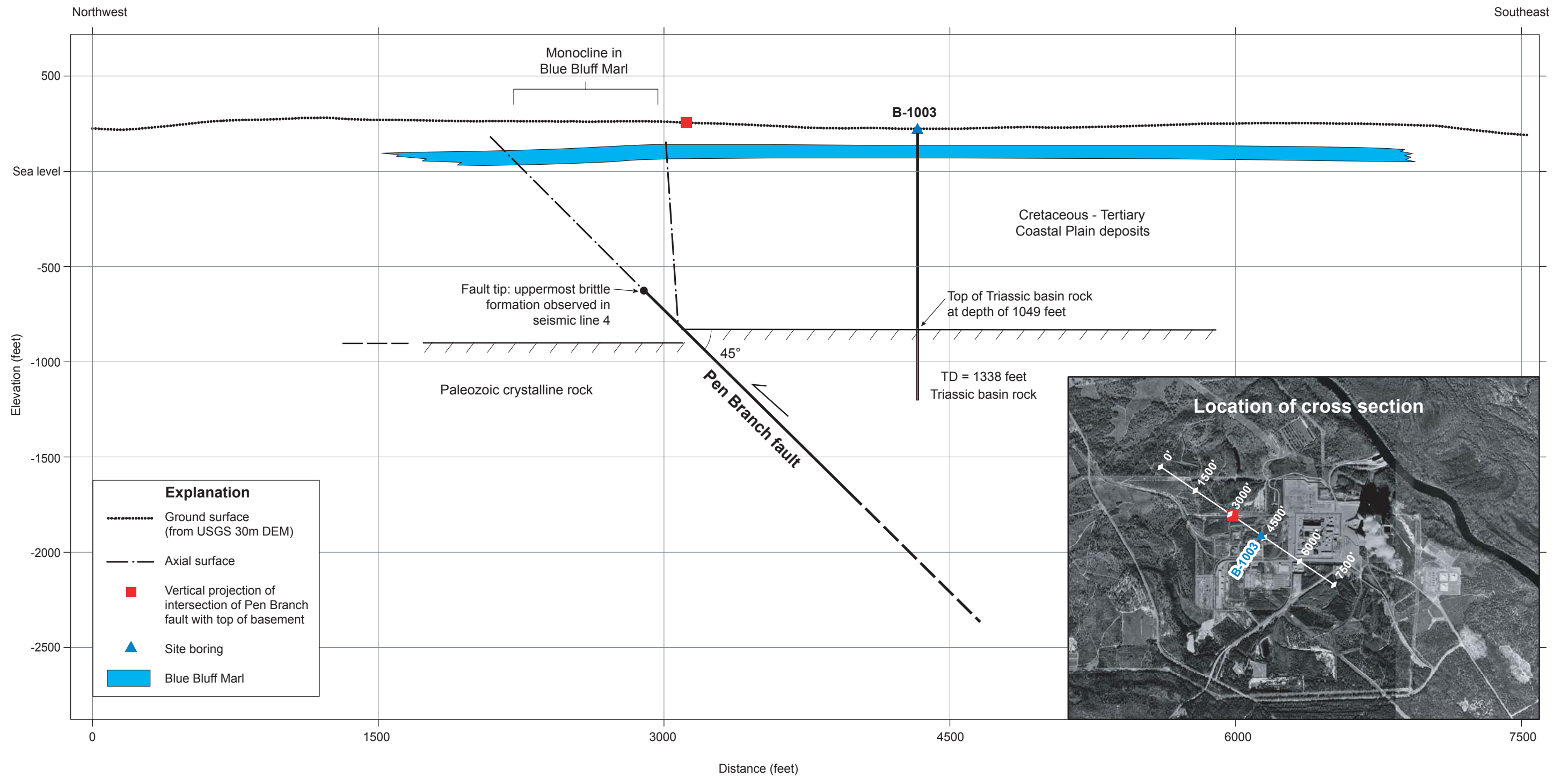


Figure 2.5.1-40 Northwest-Southwest Cross Section Showing Pen Branch Fault Beneath VEGP Site

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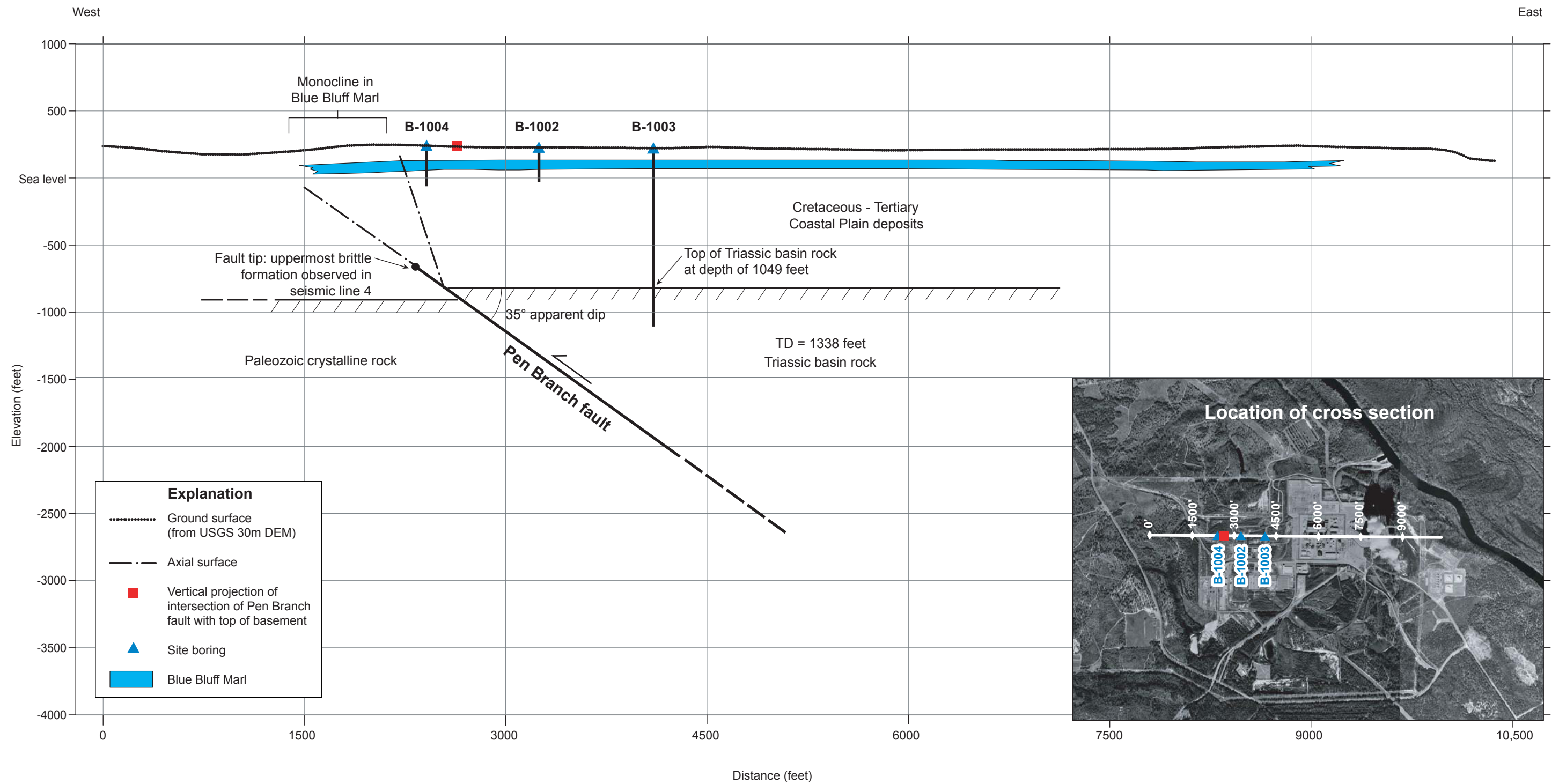


Figure 2.5.1-41 East-West Cross Section Showing Pen Branch Fault Beneath VEGP Site

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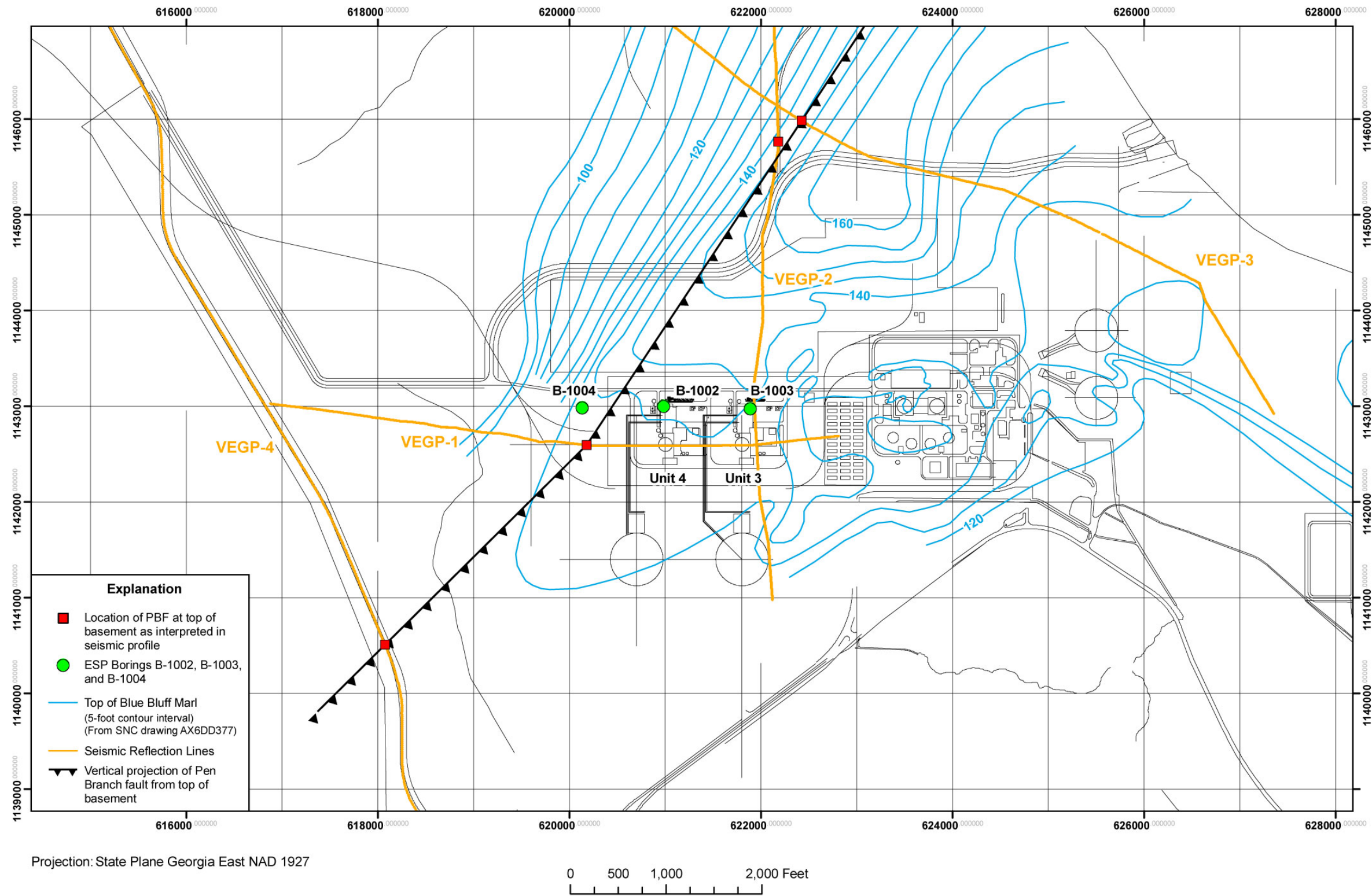


Figure 2.5.1-42 VEGP Site Plant Layout

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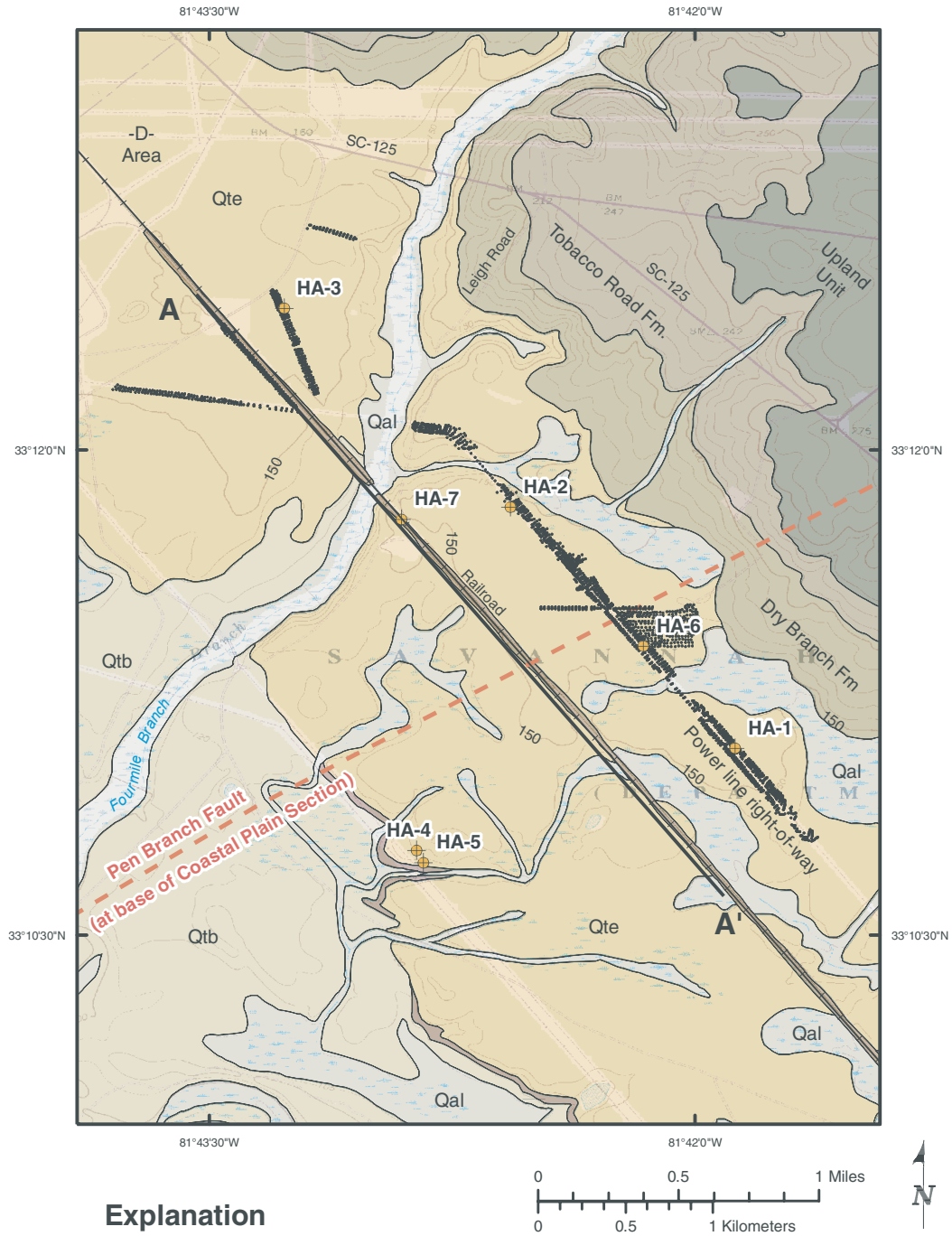


Figure 2.5.1-43 Geologic Map of Qte Terrace Study Area

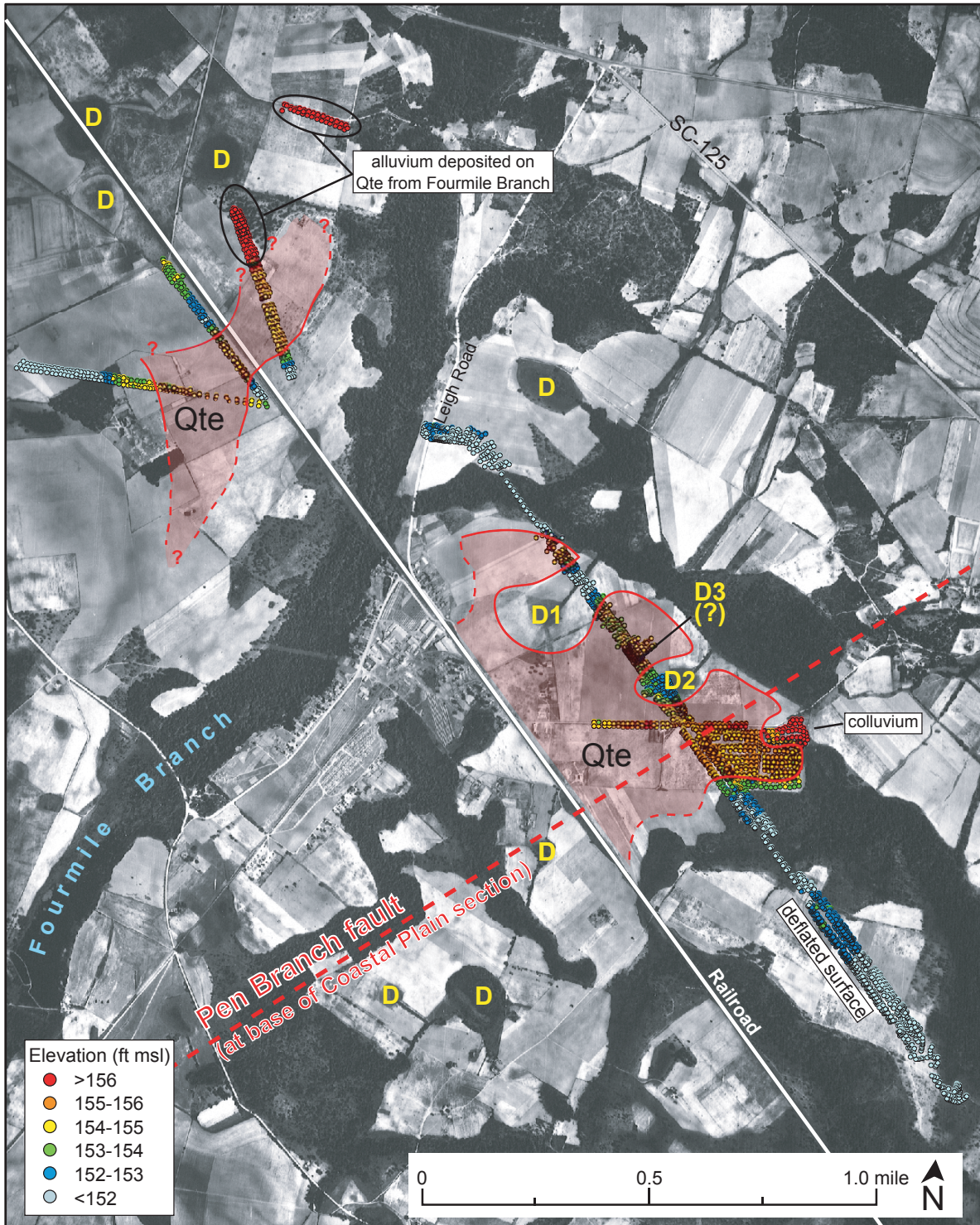


Figure 2.5.1-44 Geomorphic Map Showing Best Preserved Remnants of QTE Terrace Surface (Red Shading) in Study Area at the SRS. Yellow Ds Indicate Dissolution Collapse-Related Depressions. Base Image is 1943 Aerial Photograph

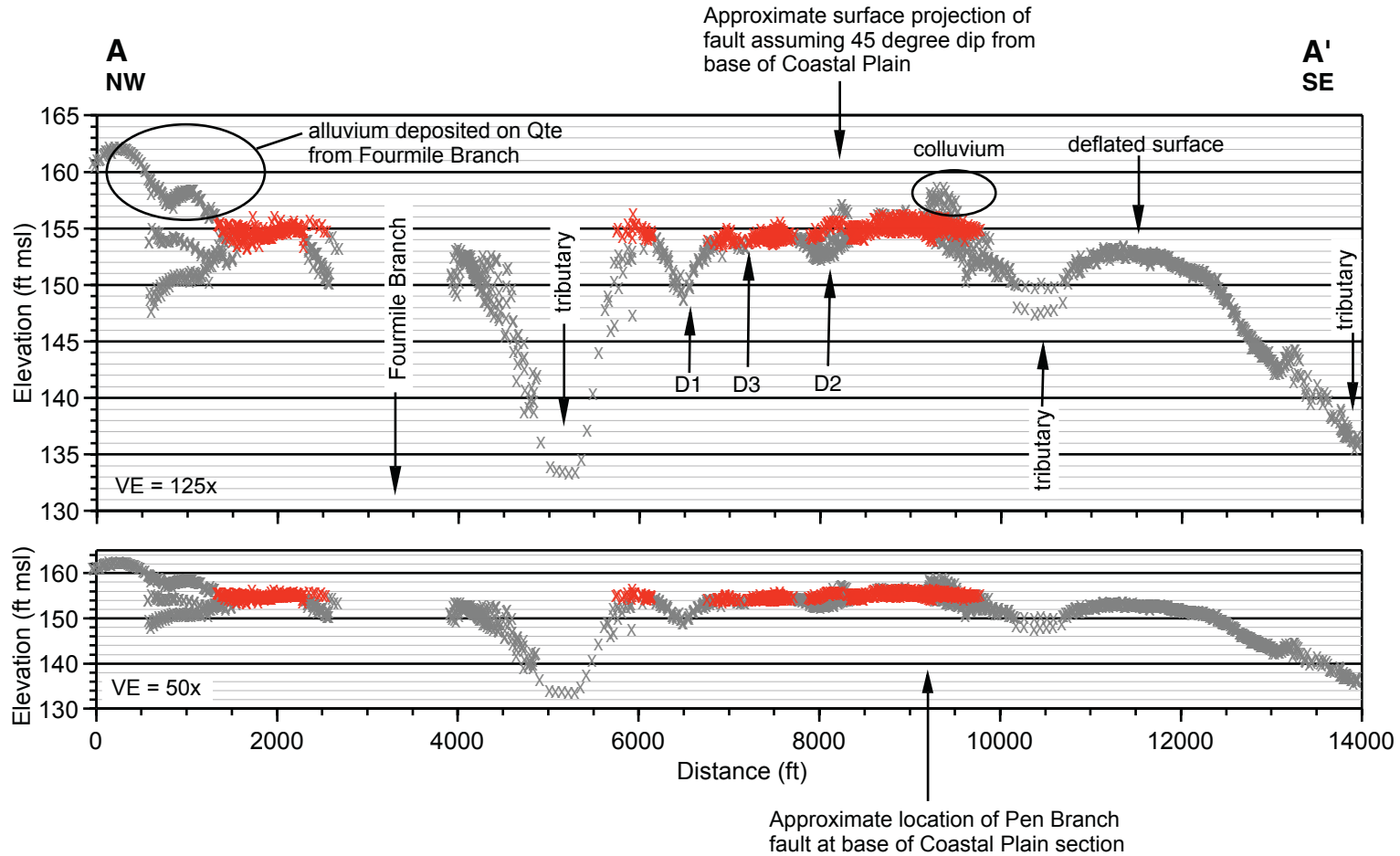


Figure 2.5.1-45 Longitudinal Profile A-A' from SRS Qte Terrace Surface. Points Interpreted as Representing the Best-preserved Remnant of the Qte Surface are Shown in Red, all Other Points that Do Not Represent the Terrace are Shown in Gray.

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