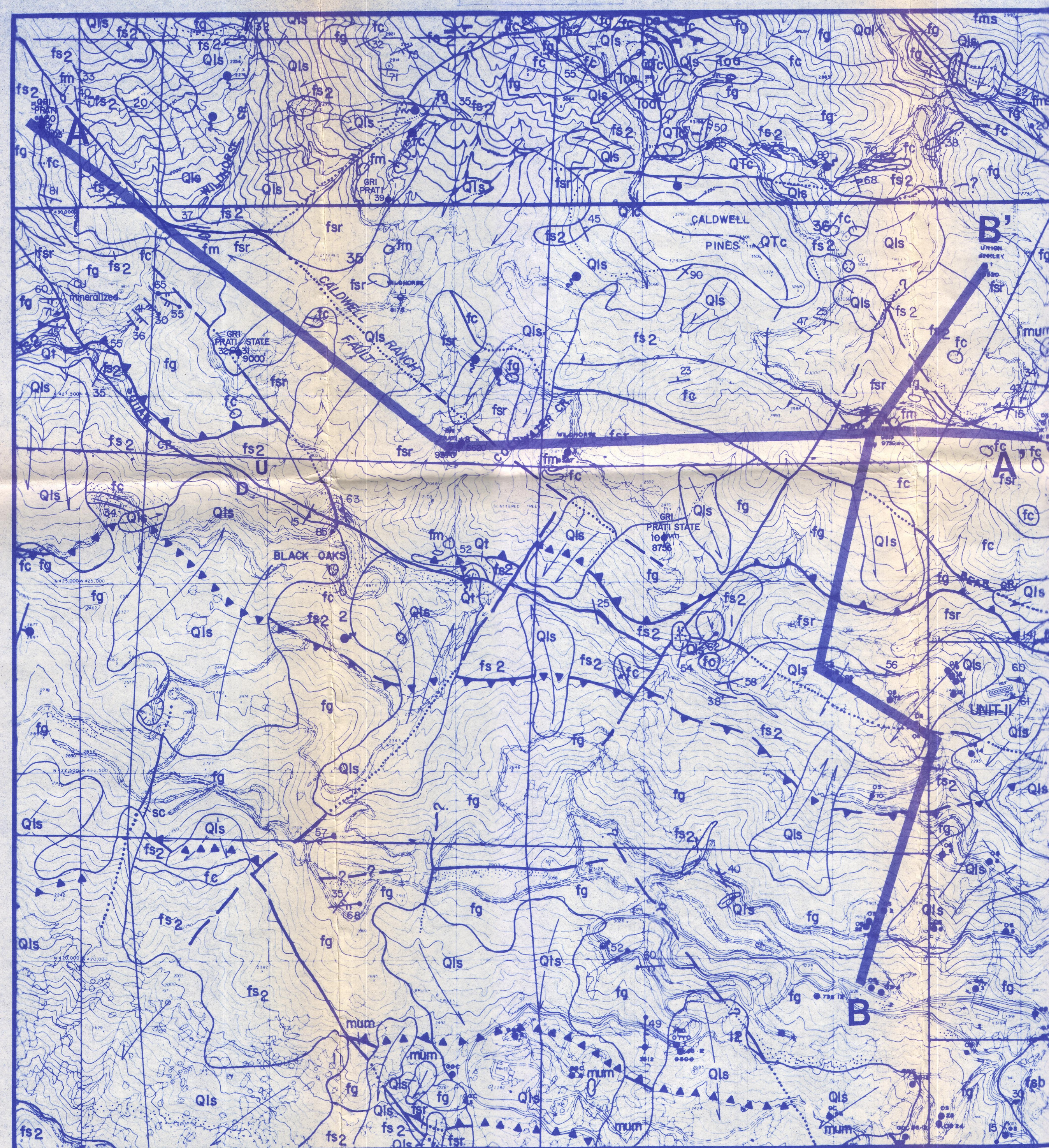


SURFACE GEOLOGY A PORTION OF N.W. GEYSERS GEOTHERMAL AREA

SCALE: 1"=1000'

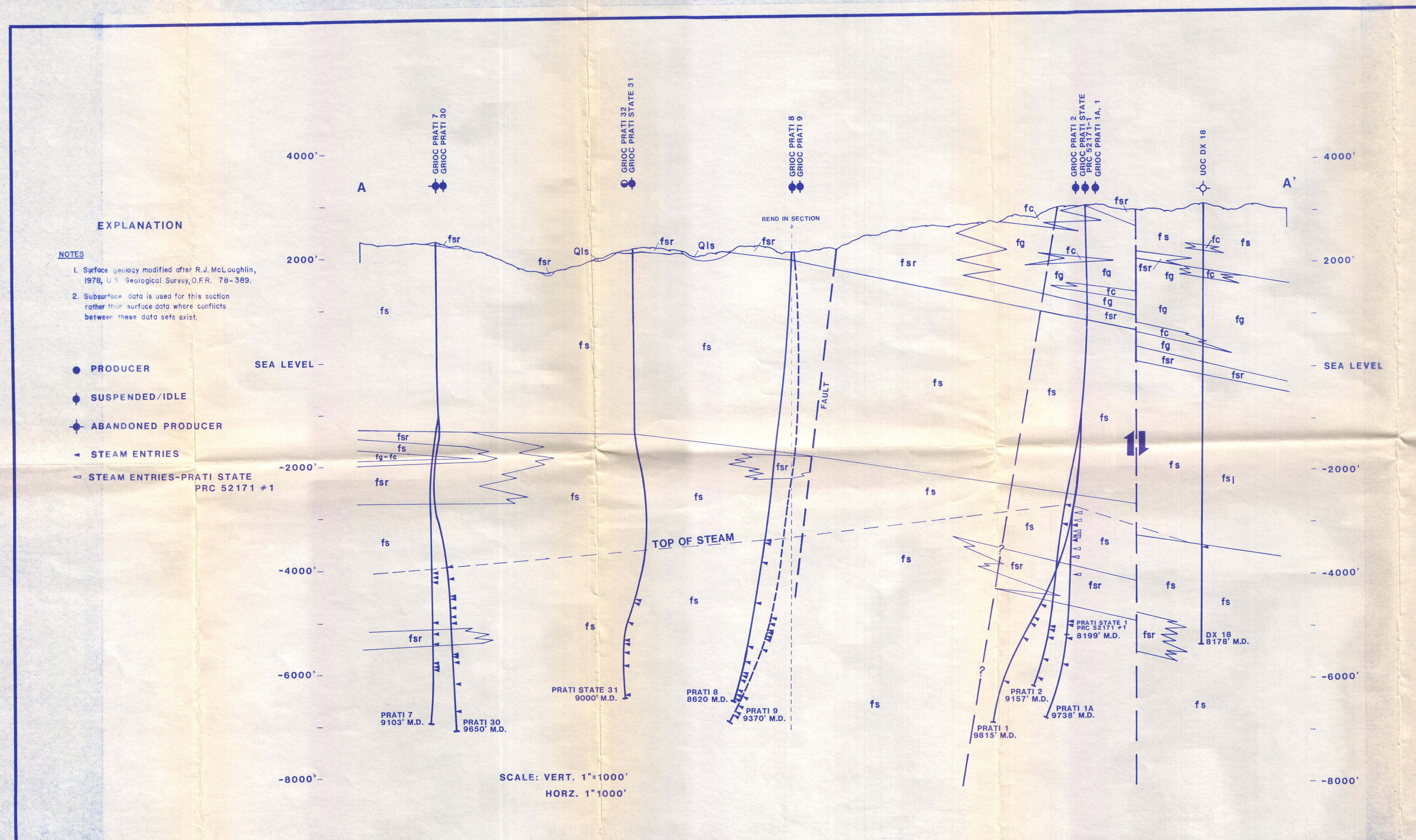


NOTE: B-B' appears on map S-187

EXPLANATION

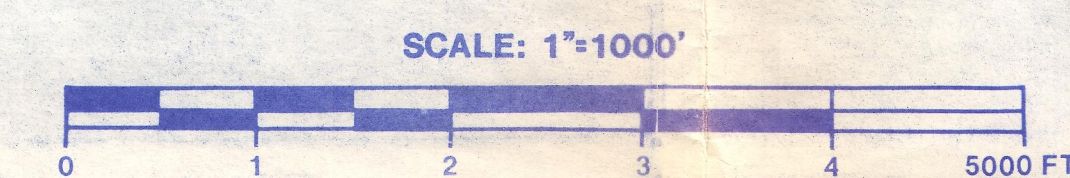
CENOZOIC	QUATERNARY	Qol	ALLUVIAL AND LACUSTRINE DEPOSITS. Unconsolidated gravel, sand, silt, and clay deposited as fan, lacustrine and fluvial sediments, locally hydrothermally altered and cemented by spring deposits.
		Qls	LANDSLIDE DEPOSITS. Unconsolidated rock and soil debris that has moved downslope by mass movement processes. Headwall zones characteristically have closed depressions.
	TERTIARY	Qt	TERRACE DEPOSITS. Unconsolidated to semi-consolidated older dissected alluvium containing gravel, sand and clay derived from local bedrock source areas.
		Qtc	CLEAR LAKE VOLCANICS OF HEARN AND OTHERS, 1976. Includes quartz basalt, andesite, dacite, rhyolite and minor olivine basalt.
		Tso	OLDER ALLUVIUM BENEATH CLEAR LAKE VOLCANICS. Includes gravel with abundant subrounded to rounded cobbles and boulders of chert, foliated metagraywacke and blueschist derived from the Franciscan Assemblage.
MESOZOIC	FRANCISCAN ASSEMBLAGE ROCKS		
	LOWER CRETACEOUS	fs	Relatively unmetamorphosed graywacke. (Lower structural unit) largely fine to medium grained, massive to well bedded, relatively impervious. Contains graywacke and minor intercalated argillite with slight metamorphic fabric.
		fc	Red, green and white chert and minor interbedded siliceous tuff and shale; thin bedded to massive and locally hydrothermally altered.
		fg	Greenstone; slightly to moderately metamorphosed basaltic pillows (locally extensively hydrothermally altered), pillow breccia, tuff and diabase.
		far	Sedimentary and tectonic melange, undifferentiated, chiefly pervasively sheared shale and gouged rock.
	UPPER JURASSIC	fab	Sedimentary breccia, differentiated locally; contains detritus ranging in size and roundness.
		fms	Regionally metamorphosed metagraywacke (upper structural unit).
		fm	Blueschist grade metamorphic rock, foliated and phyllitic to gneissoid metamorphic rocks.
		mum	Metamorphosed ultramafic rock; serpentinite metamorphosed to greenschist or amphibolite grade rock.
		sp	SERPENTINITE
		sc	SILICA CARBONATE

GEOLOGICAL CROSS SECTION A - A' A PORTION OF N.W. GEYSERS GEOTHERMAL AREA



GEOLOGIC SYMBOLS

Qls	LANDSLIDE DEBRIS	STRIKE AND DIP
SPRING		VERTICAL BED
ZONE OF HYDROTHERMAL AND/OR SOLFATERIC ALTERATION		FLOW STRUCTURE
FAULT	Dashed where approximate Dotted where concealed	BEARING AND PLUNGE
THRUST FAULT	Dashed where approximate Dotted where concealed	FOLIATION
		BEDDING BALL INDICATES BED TOPS
		ZONE OF SHEARED ROCKS



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GEOLOGICAL CROSS SECTION A - A' CONFIDENTIAL OF A PORTION OF N.W. GEYSERS PROJECT AREA			
DATE 8-82	AUTHOR MAW	APPROVED BY	FILE NO. NWG 026
DRAFTED BY SJM			
DATE 10-11-84	BY JTF	REVISIONS ADD P 30, PS 31, P 9 & REVISE FORMATIONS IN A - A'	