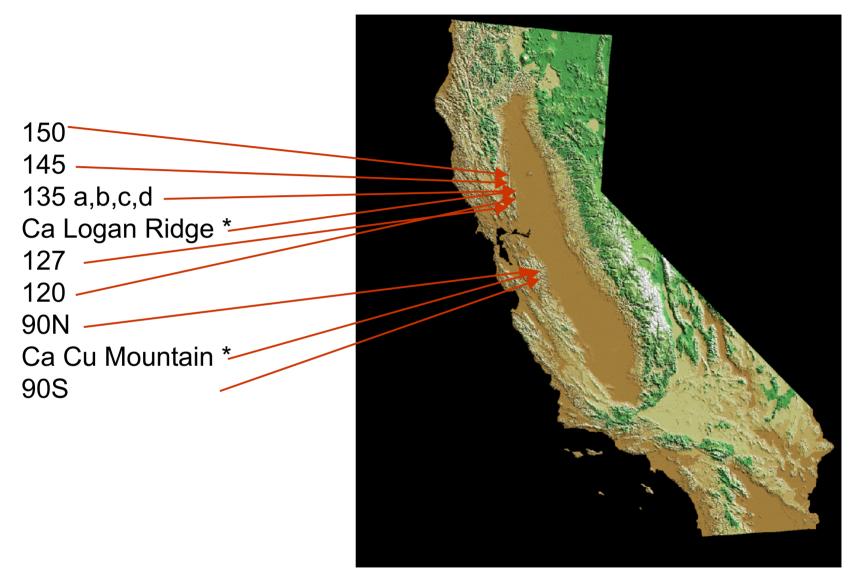


NLC California Copper Mountain

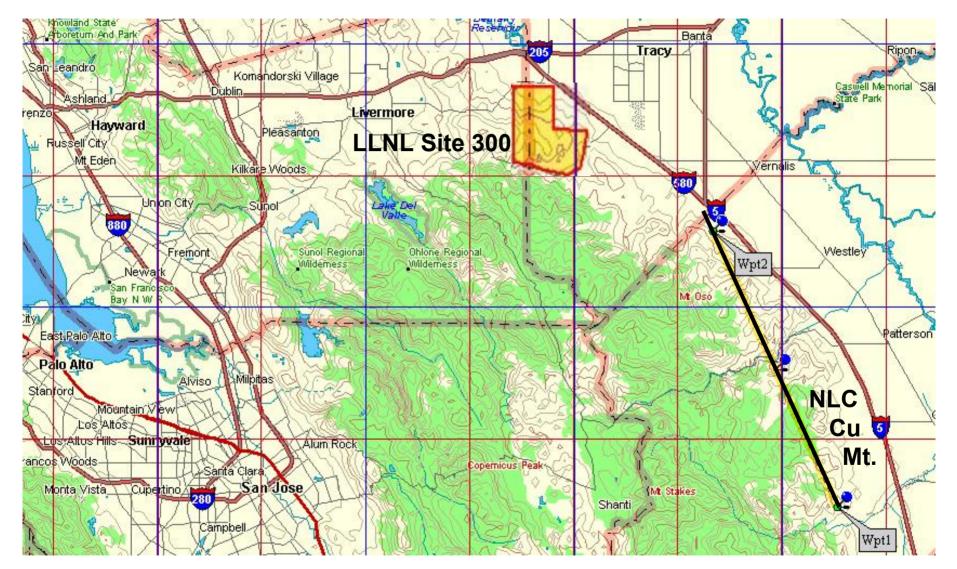


SOME NLC CALIFORNIA SITES INVESTIGATED SINCE 1996

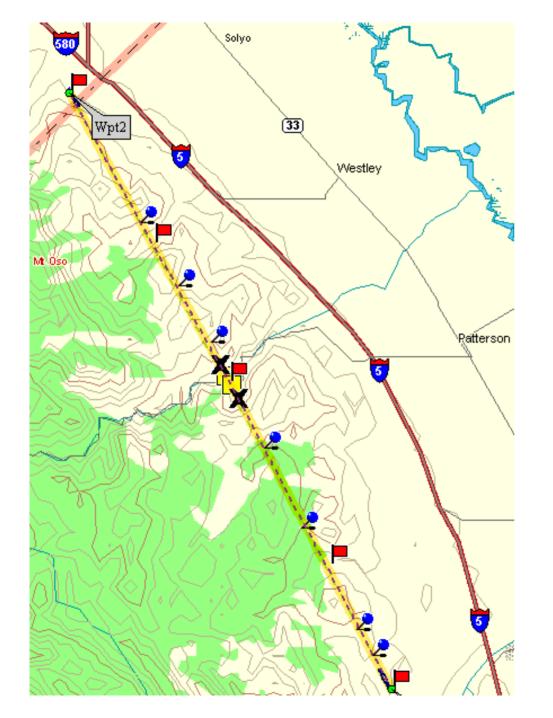
NLC CA COPPER MOUNTAIN 33.5 kilometers, 1.0 Tev, SLED-II, Hi-Lo IR's, Remote Injectors

LLNL DOE Laboratory & Test Site to North (1 LC away) SLAC & LBNL DOE Laboratories to West (2 LC's away) Native CA Sandstone Rock, Competent, w/ High Bore Advance Rates Low Noise Site, Confirmed at the Least Quiet Location On No Active Faults, Slip Rates are Confirmed, Stability is NLC Adequate Parallel 500 & 230 kv Power Transmission Corridor for Electricity > 2 GW Parallel California Aqueduct System for Cooling, 20C Supply, Full Return High & Dry Tunnel Elevation well Above Ground Water Table Elevation Adequate for Pumped Water Storage & Quiet Gravity Feed Fast Parallel Interstate 5 Vehicle Access, 75 mph Parallel Southern Pacific Railway for Bulk Material and Transportainers US Navy Auxiliary Air Field for Lay Down, Storage & Logistics Local High Volume Gravel & Cement Plant for Short Haul Cement Hospital, Schools, Shopping, etc. in Patterson, Population ~ 13,000 Land use = Cattle Ranching w/ Low population, Low development Inexpensive Land for Sale, Local Country Club-Vineyard-Golf Course 90 minutes drive (or less) from SLAC, LLBL, LLNL, UC, Stanford

NLC CA COPPER MOUNTAIN LOCATION



33.5 kilometers, 1.0 Tev, SLED-II, Hi-Lo Energy IR Halls, Remote Injectors



NLC CA Copper Mt. Site Z- Axis Surface Projection

1 Tev 33.5 km

NORTH INJECTOR N37 deg 35.138' W121 deg 21.222'

SOUTH INJECTOR N37 deg 19.259' W121 deg 10.404'



IP Switch



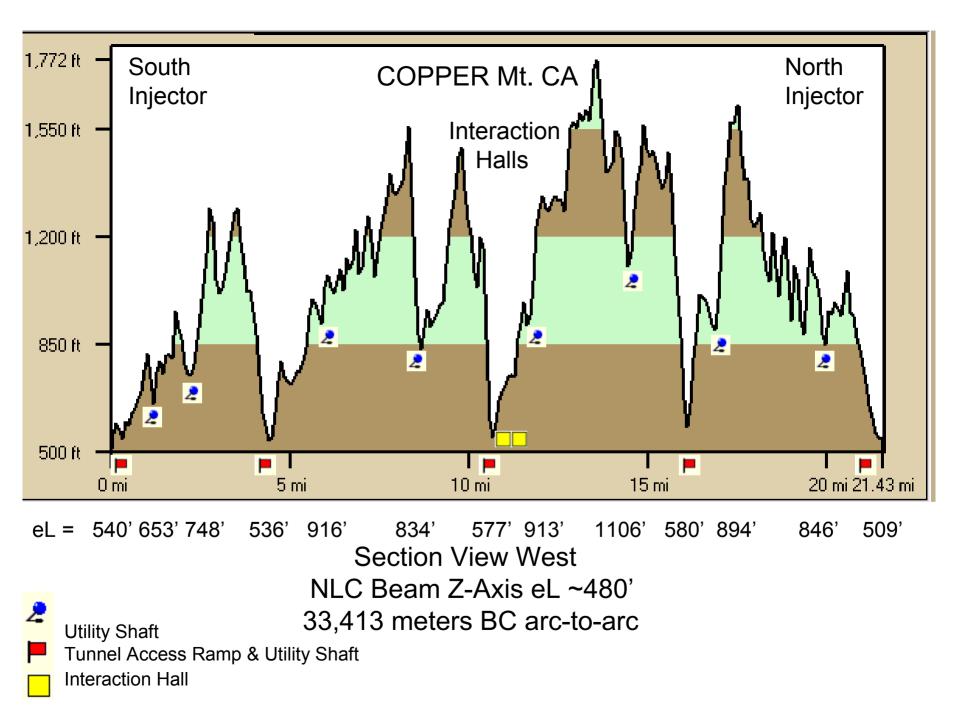
.

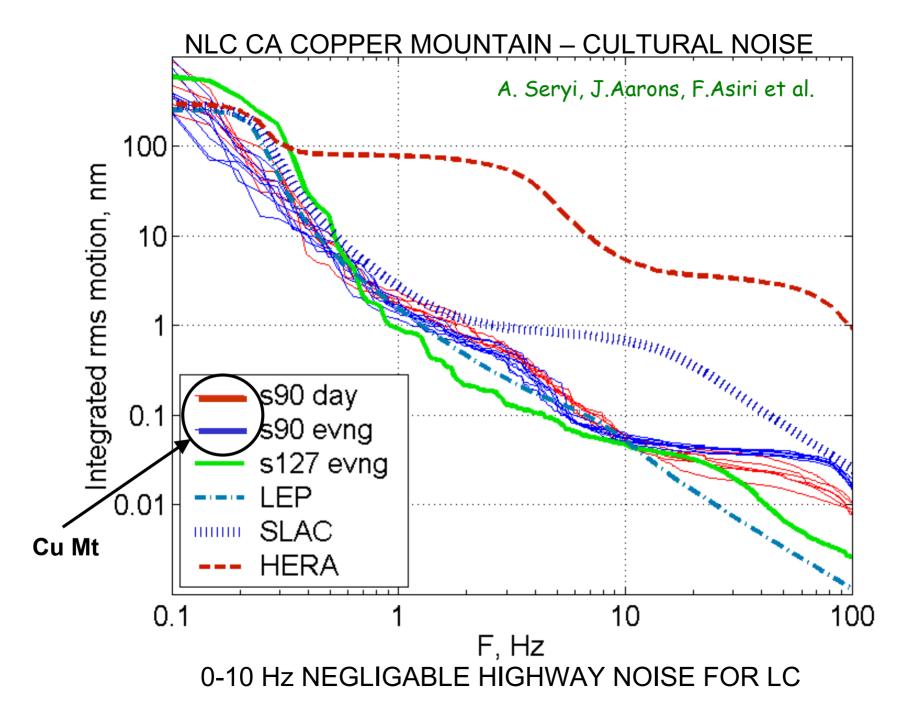
Utilities



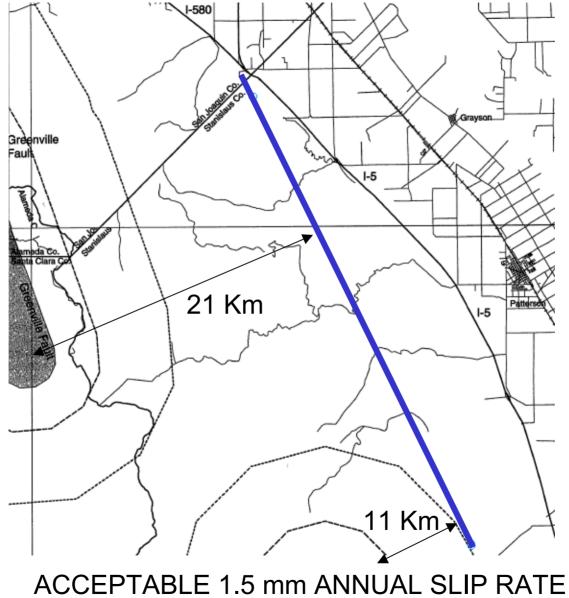
Access & Utilities





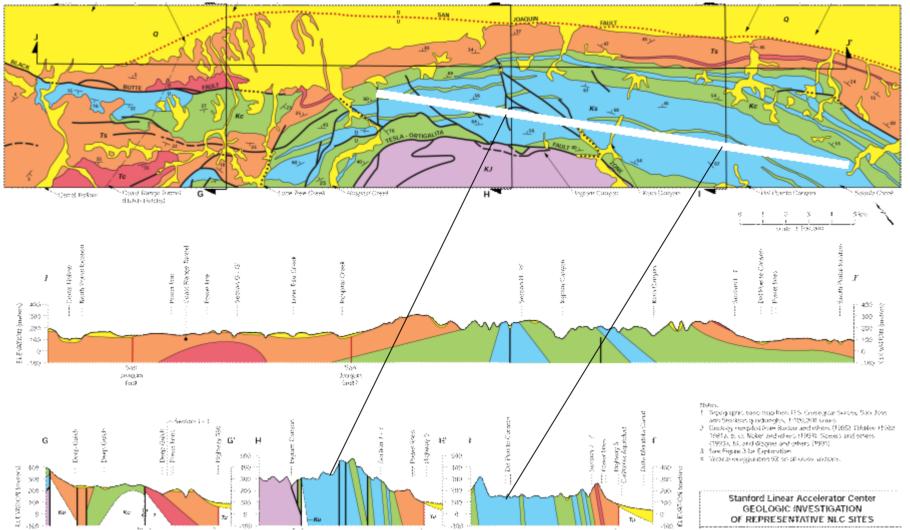


NLC CA COPPER MOUNTAIN – REMOTE ACTIVE FAULT ZONES



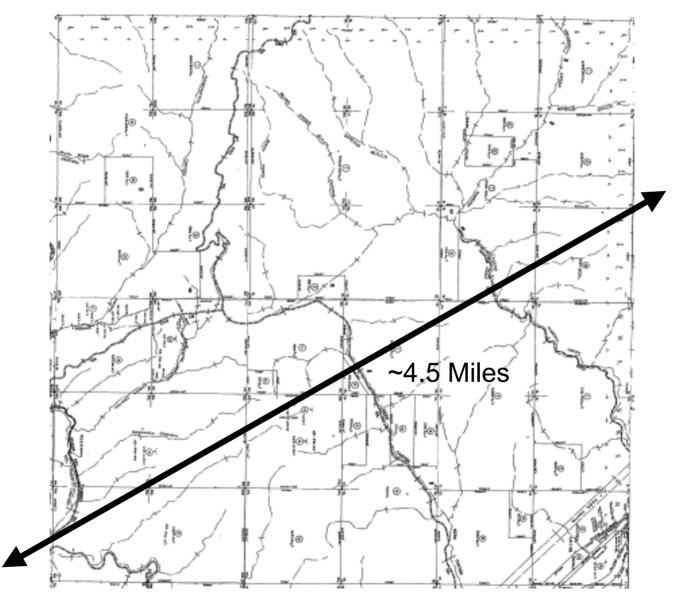
2 FAULTS, 21 Km & 11 Km DISTANT

NLC CA COPPER MOUNTAIN – GEOLOGY

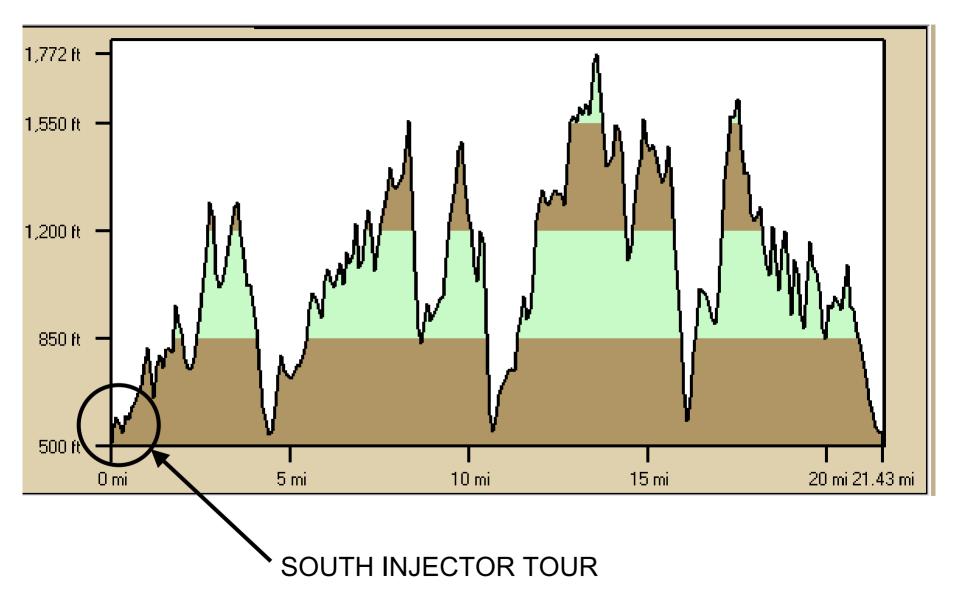


NATIVE CALIFORNIA SANDSTONES

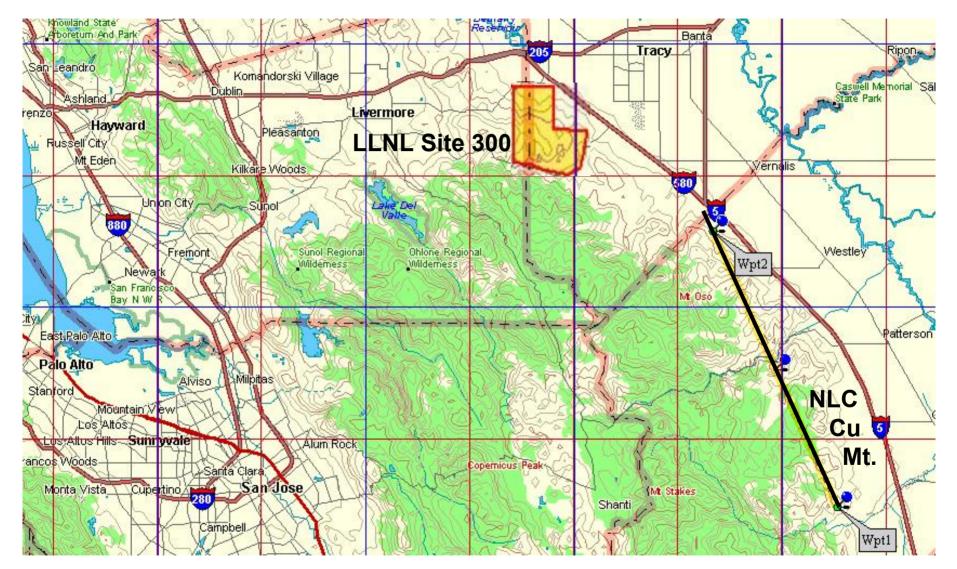
NLC CA COPPER MOUNTAIN – PLOT PLANS & PROPERTY RIGHTS



Approximately 30 Alignment + 60 Access Parcels



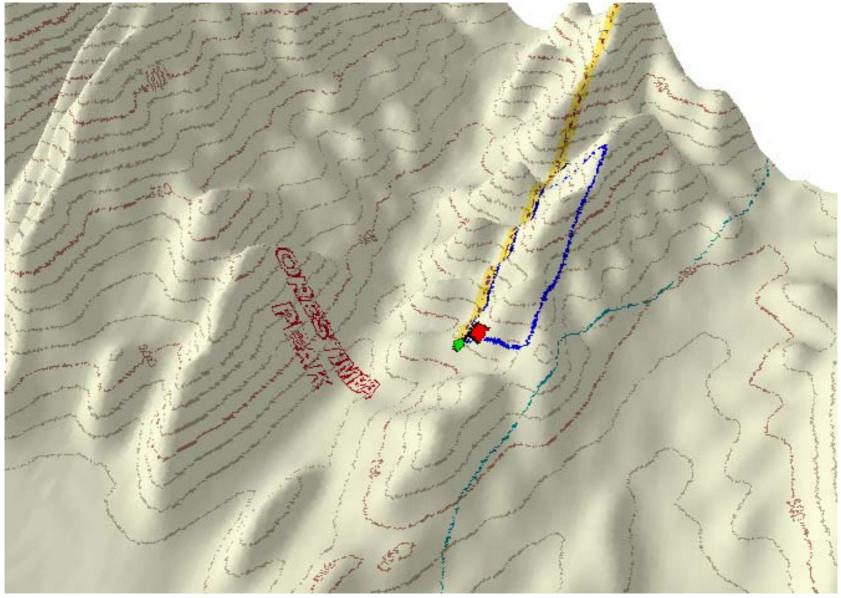
NLC CA COPPER MOUNTAIN LOCATION



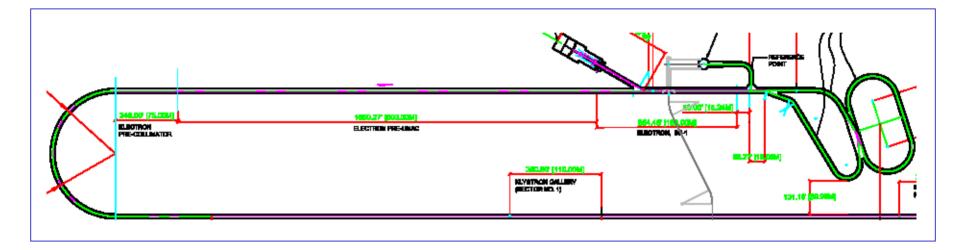
33.5 kilometers, 1.0 Tev, SLED-II, Hi-Lo Energy IR Halls, Remote Injectors



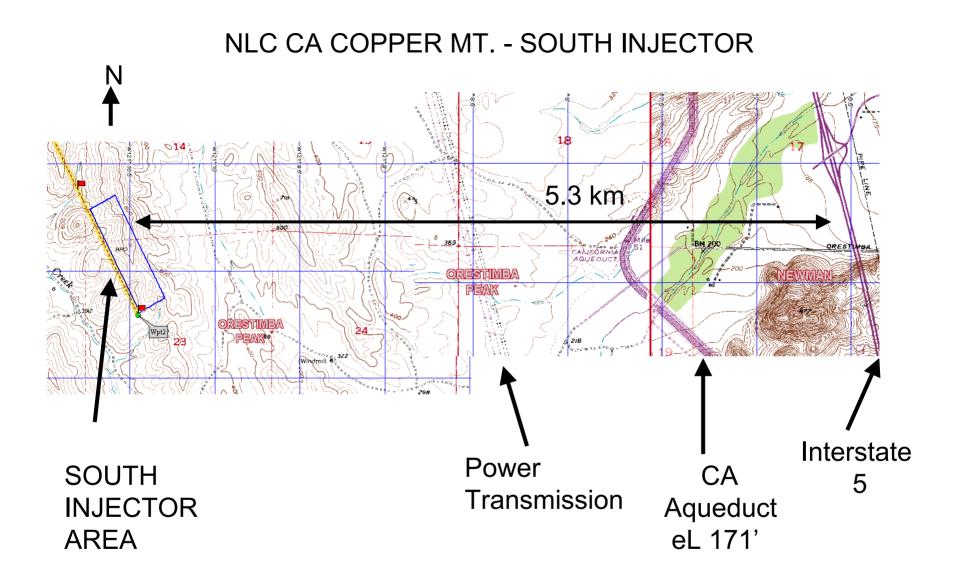
OSO CREEK DIVIDE VIEW NORTH



SOUTH INJECTOR VIEW NORTH



SOUTH ELECTRON INJECTOR



SOUTH INJECTOR AREA FEATURES

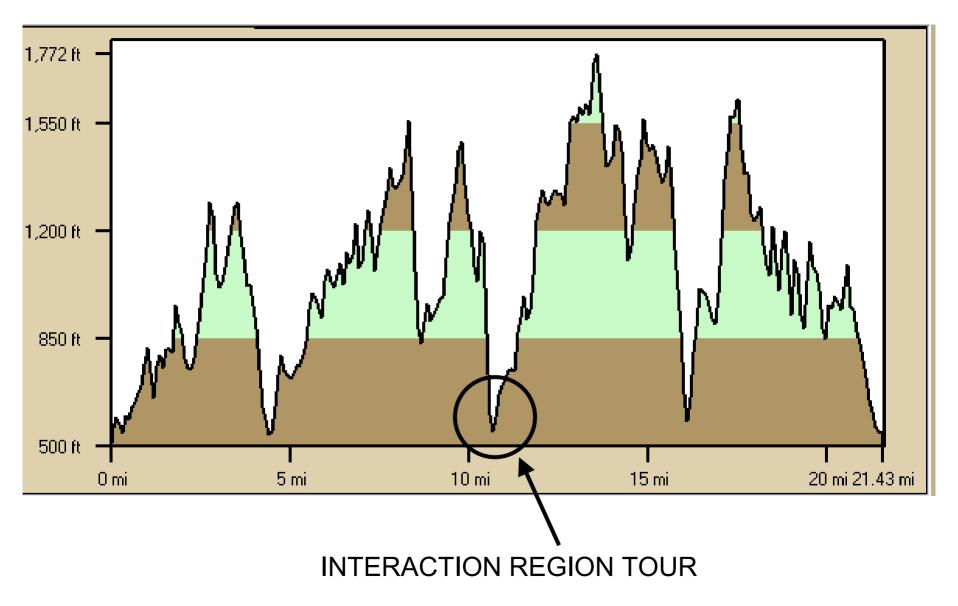


AQUADUCT - 2 & 3 Km DISTANT @ N. & S. INJECTORS

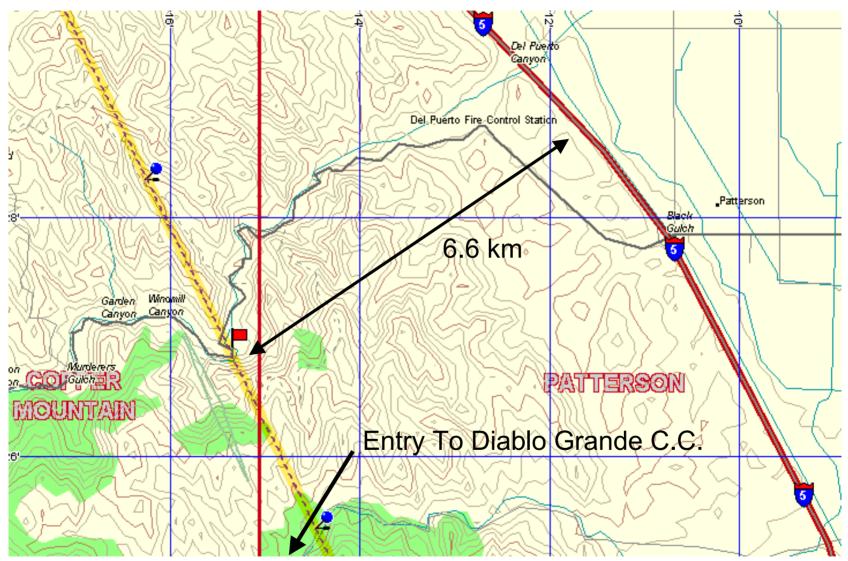
NLC CA COPPER MOUNTAIN - SOUTH INJECTOR AREA



POWER TRANSMISSION CORRIDOR VIEW NORTH – 8 CIRCUITS



NLC CA COPPER MT – INTERACTION REGION



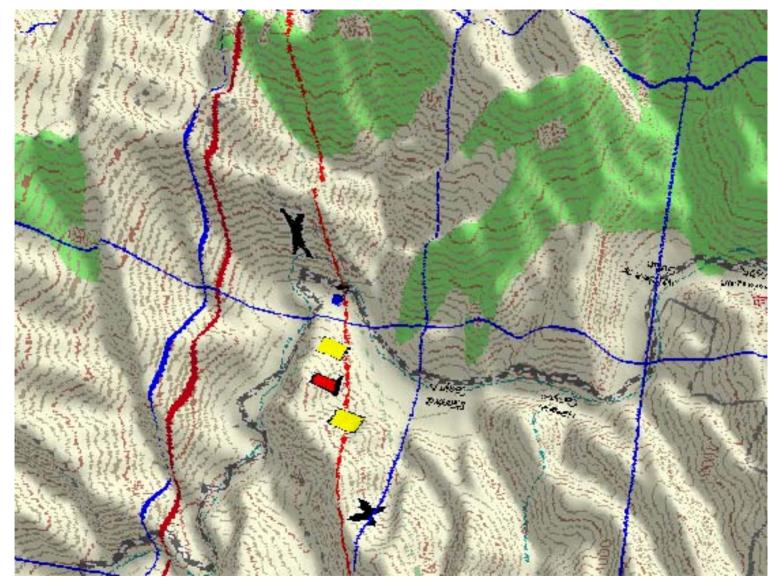
INTERACTION REGION AREA FEATURES



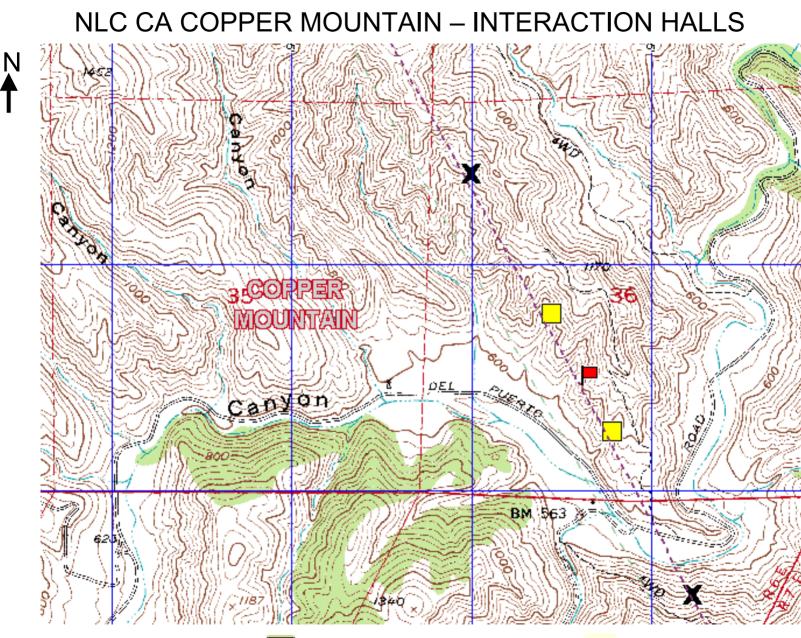
INTERACTION HALL RIDGE - VIEW EAST

NLC CA COPPER MOUNTAIN – INTERACTION HALLS

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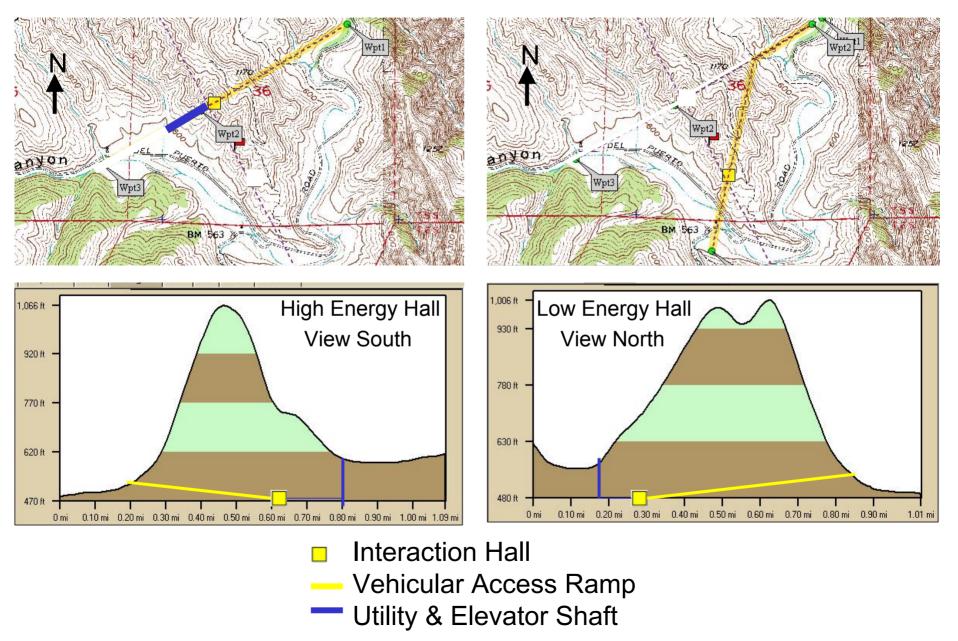


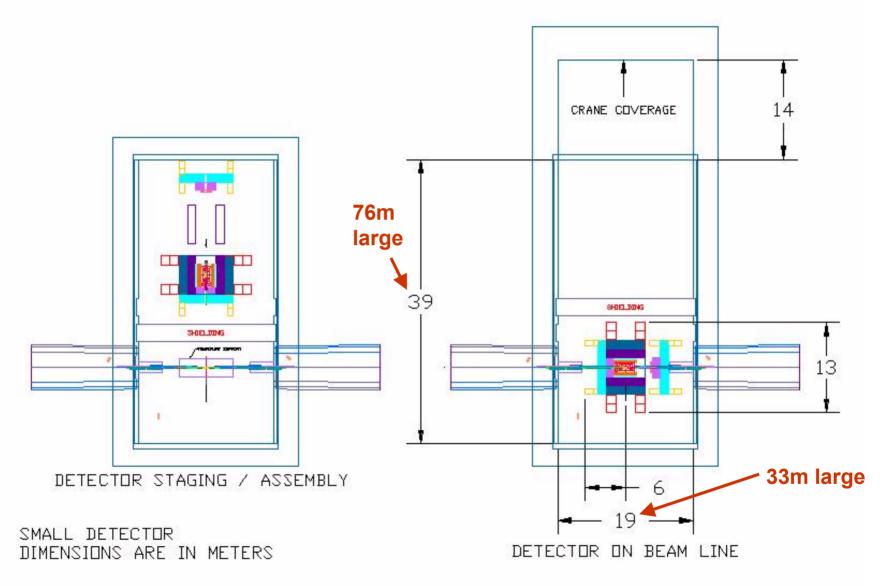




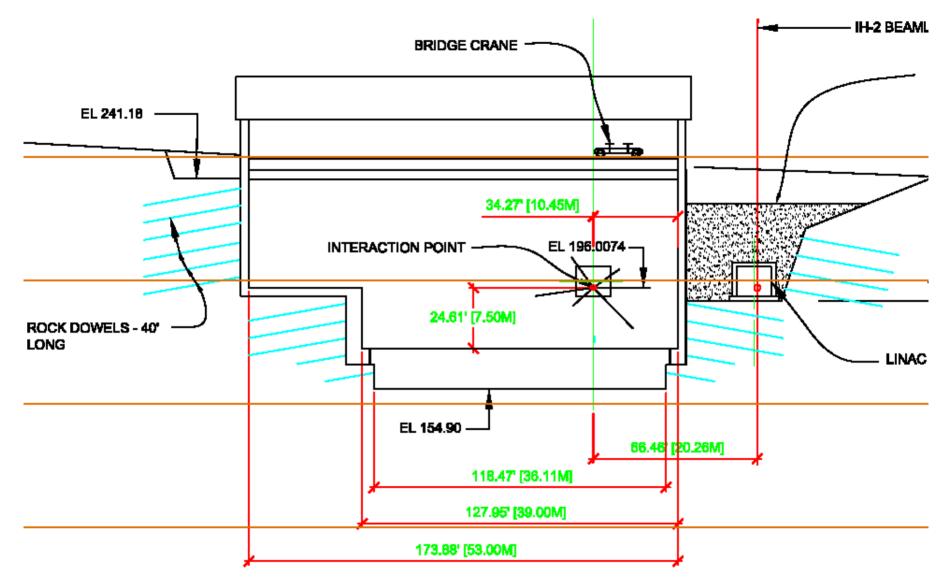
💻 CENTER POINT 🛛 INTERACTION HALL 🗶 IP SWITCH

NLC CA COPPER MOUNTAIN – IP UTILITY & ACCESS

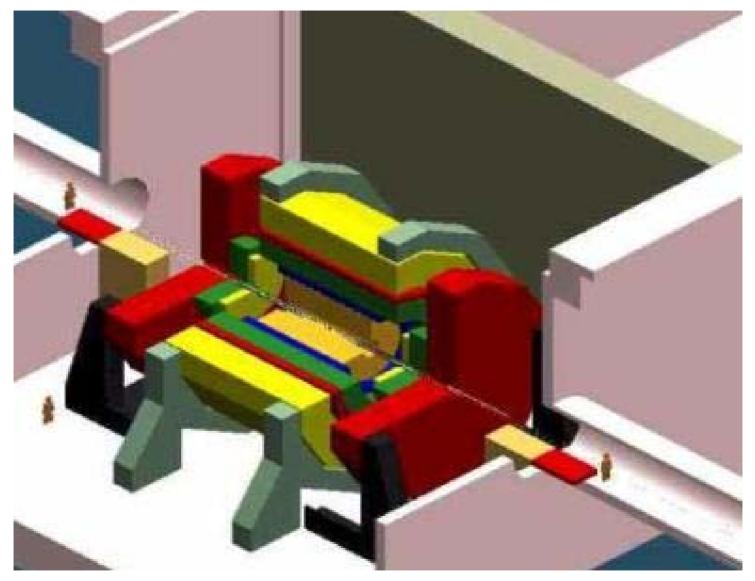




INTERACTION REGION (small)

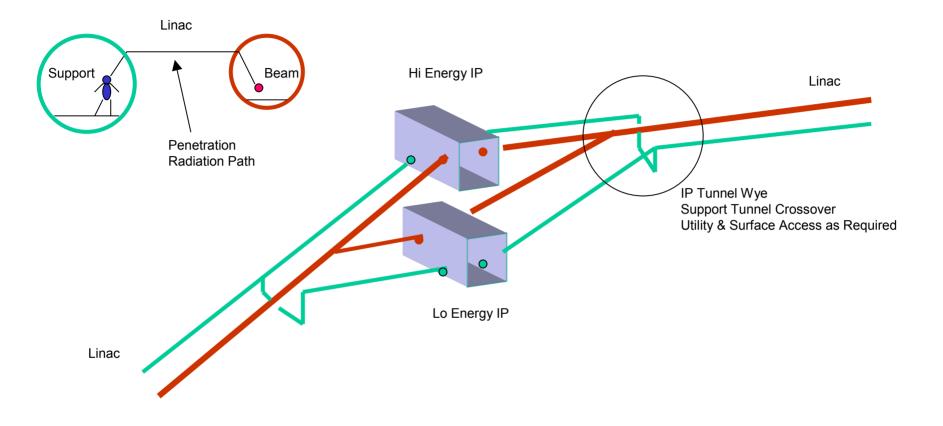


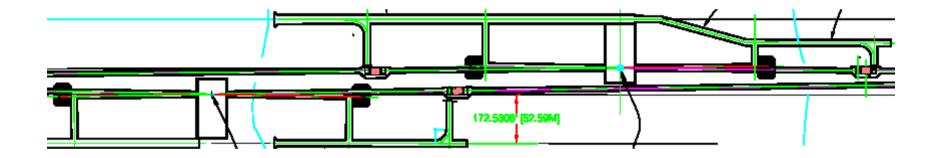
DETECTOR HALL (small)



DETECTOR HALL (art view)

Beam & Support Tunnel IP Approaches





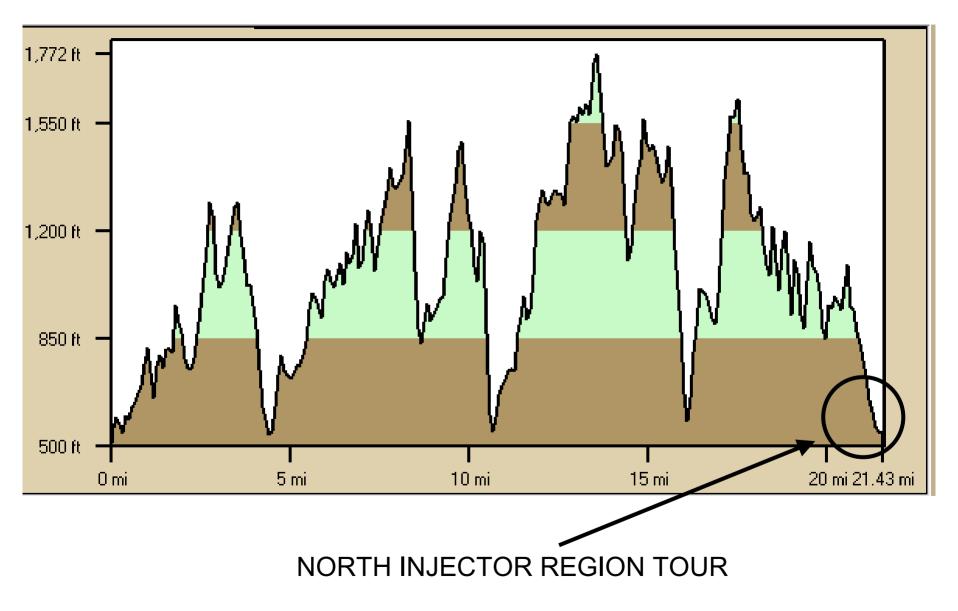
2001 (old) INTERACTION REGION TUNNEL NETWORK @ 127

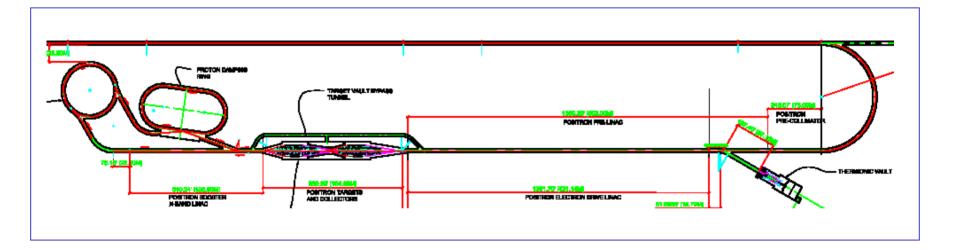


DIABLO GRANDE UTILITY SHAFT AREA



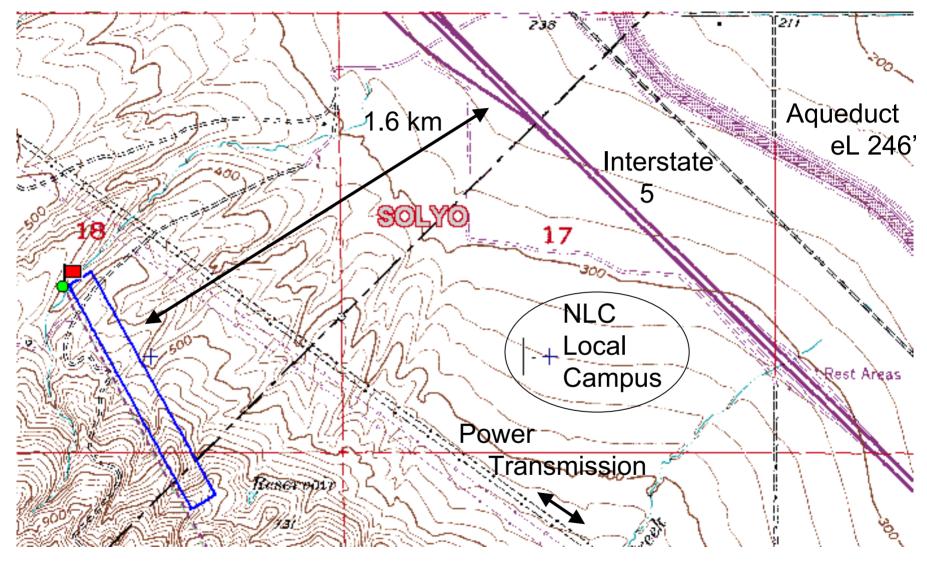
DIABLO GRANDE COUNTRY CLUB, GOLF COURSE & VINEYARDS





NORTH POSITRON INJECTOR

NLC CA COPPER MOUNTAIN - NORTH INJECTOR

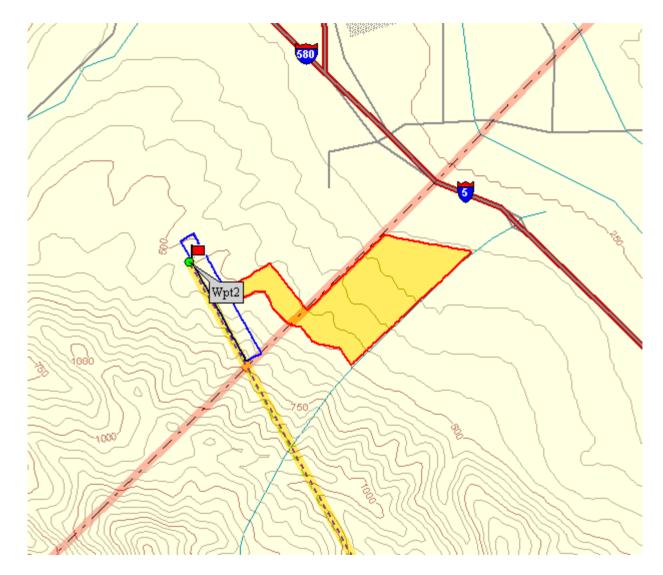


NORTH INJECTOR AREA FEATURES

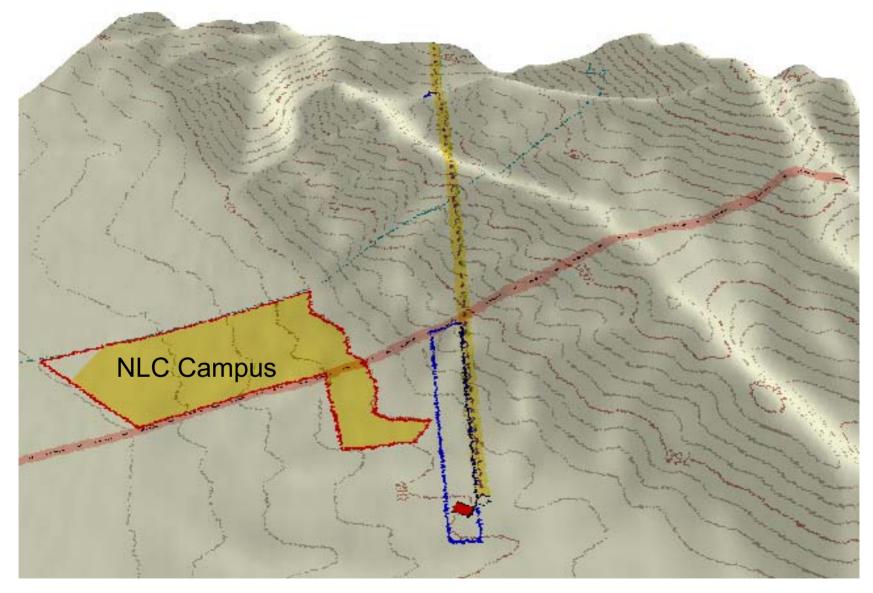
NLC CA COPPER MOUNTAIN - NORTH INJECTOR AREA



POWER TRANSMISSION CORRIDOR VIEW WEST – 8 CIRCUITS



NLC LOCAL CAMPUS



NORTH INJECTOR VIEW SOUTH



NORTH INJECTOR RIDGE & LOCAL CAMPUS



NLC California Copper Mountain End