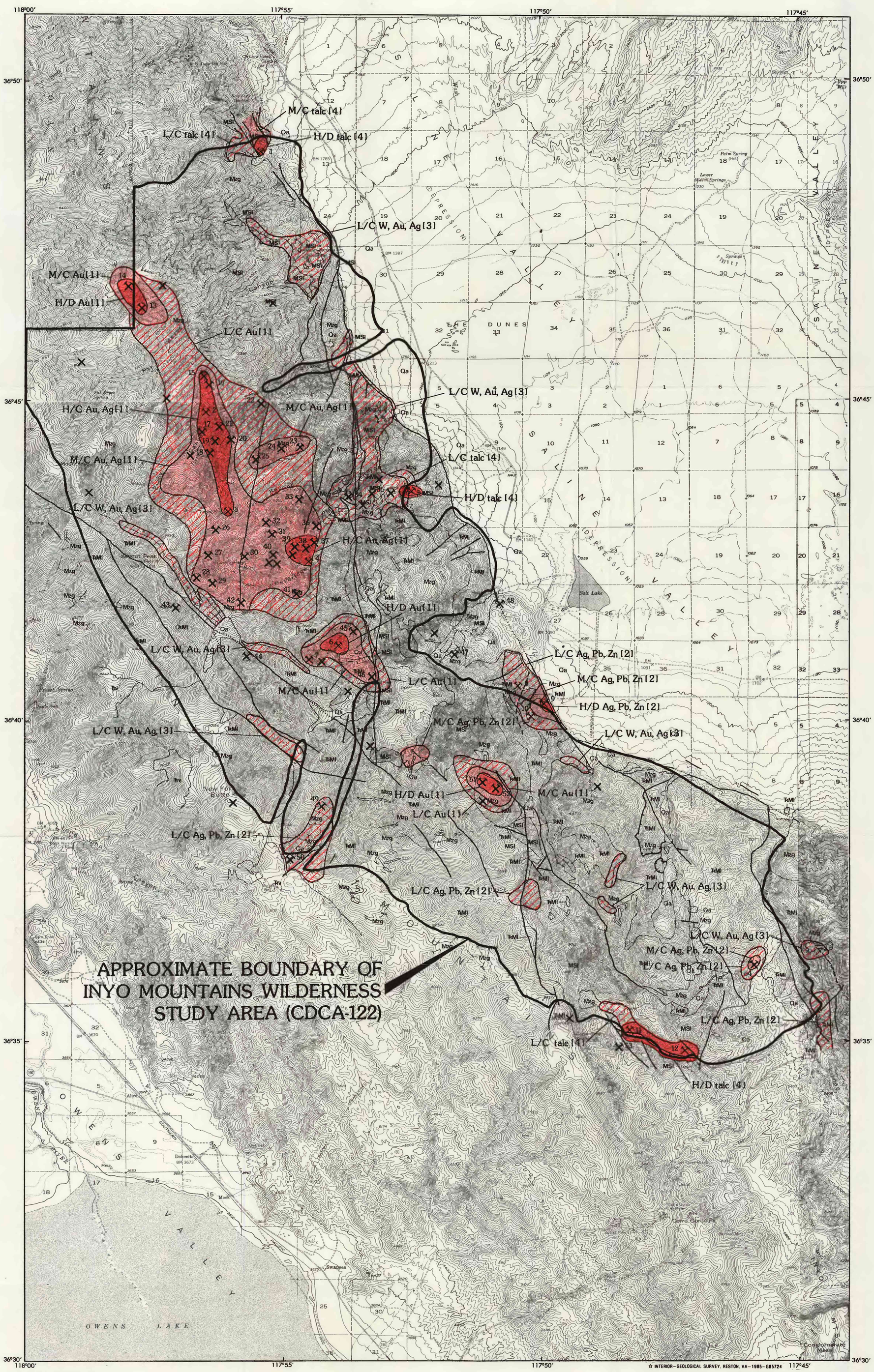
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

BULLETIN 1708-A
PLATE 1



Base from U.S. Geological Survey
New York Butte, Ubehebe Peak, 1950;
Waucoba Wash, 1951; Dry Mountain, 1957

Geology modified from Conrad and McKee (1985)

SCALE 1:62500

CONTOUR INTERVAL 80 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

APPROXIMATE MEAN DECLINATION, 1985

AREA OF MAP

☆ INTERIOR—GEOLOGICAL SURVEY, RESTON, VA—1985—G85724

MINERAL RESOURCE POTENTIAL MAP OF THE INYO MOUNTAINS WILDERNESS STUDY AREA, INYO COUNTY, CALIFORNIA

EXPLANATION

- AREA WITH HIGH RESOURCE POTENTIAL
- AREA WITH MODERATE RESOURCE POTENTIAL
- AREA WITH LOW RESOURCE POTENTIAL, CERTAINTY LEVEL C
- AREA WITH LOW RESOURCE POTENTIAL, CERTAINTY LEVEL B
- MINE OR PROSPECT WITH IDENTIFIED RESOURCES
- SIGNIFICANT MINE OR PROSPECT WITHOUT IDENTIFIED RESOURCES
- MINE OR PROSPECT

SIGNIFICANT MINES AND PROSPECTS
(1 through 12 have identified resources)

1. Doris Dee Talc mine
2. Taylor-McElvoy mine area
3. Keynote mine
4. Beveridge mine
5. Snow Flake Talc mine
6. Bighorn mine area
7. Gavalan mine area
8. Silver Harvest prospect
9. Big Silver mine
10. Morning Sun prospect
11. Bonham (White Mountain) Talc mine
12. Florence Talc mine
13. Keys mine
14. Cougar mine
15. Johny mine
16. Prospect No. 12
17. Gold Bug mine
18. Rock Roof mine
19. Blueledge mine
20. No. 18 mine
21. Crystal mine
22. Laura mine
23. Red Dog mine
24. Sweitzer mine
25. Cinnamon mine
26. Keynote No. 30 prospect
27. Panament View mine
28. Bluebird prospect
29. Prospect No. 29
30. Mano Del Hombre mine
31. No. 32 mine
32. Chambers mine
33. No. 35 mine
34. Silver Ridge No. 1 prospect
35. Prospect No. 40
36. Prospect No. 44
37. Mano Del Hombre Segundo mine
38. Highland Chief mine
39. Prospect No. 49
40. Beveridge Canyon MN No. 12 mine
41. Horseshoe mine
42. Beveridge Canyon MN prospect
43. Beveridge Canyon MN No. 28 prospect
44. Beveridge Canyon MN No. 26 prospect
45. Prospect No. 62
46. Hunter Arrastres
47. Gold Standard mine
48. Joy and Vega prosect
49. Prospect No. 72
50. Burgess mine area
51. American Flag mine
52. Prospect No. 77
53. Auguste mine
54. American prospect

LEVELS OF RESOURCE POTENTIAL

- H High mineral resource potential
- M Moderate mineral resource potential
- L Low mineral resource potential
- U Unknown mineral resource potential

LEVELS OF CERTAINTY

- A Available data not adequate
- B Data indicate geologic environment, and suggest level of resource potential
- C Data indicate geologic environment, indicate resource potential, but do not establish activity of resource-forming processes
- D Data define geologic environment and level of resource potential and indicate activity of resource-forming processes in all or part of area

LEVEL OF RESOURCE POTENTIAL

	A	B	C	D
	U/A	H/B	H/C	H/D
	UNKNOWN POTENTIAL	HIGH POTENTIAL	HIGH POTENTIAL	HIGH POTENTIAL
		M/B	M/C	M/D
		MODERATE POTENTIAL	MODERATE POTENTIAL	MODERATE POTENTIAL
		L/B	L/C	L/D
		LOW POTENTIAL	LOW POTENTIAL	LOW POTENTIAL
				N/D
				NO POTENTIAL

LEVEL OF CERTAINTY

COMMODITIES

Au	Gold
Ag	Silver
Pb	Lead
W	Tungsten
Zn	Zinc
talc	

TYPES OF DEPOSITS

- [1] Hydrothermal veins cutting granitic rocks
- [2] Hydrothermal veins, stockworks, or bedded replacement bodies in or near granitic rocks
- [3] Skarn deposits in carbonate rocks near contacts with granitic rocks
- [4] Hydrothermal talc deposits formed near contacts between granitic rocks and dolomite

CORRELATION OF MAP UNITS

Qa	QUATERNARY	CENOZOIC
Mzg	CRETACEOUS TO TRIASSIC	MESOZOIC
Tv	TRIASSIC	MESOZOIC
TRMl	TRIASSIC TO MISSISSIPPIAN	MESOZOIC
MSl	MISSISSIPPIAN TO SILURIAN	PALEOZOIC

DESCRIPTION OF MAP UNITS

Qa ALLUVIUM, COLLUVIUM, AND LANDSLIDE DEPOSITS (QUATERNARY)

Mzg GRANITIC ROCKS (MESOZOIC)—Includes the Paiute Monument Quartz Monzonite (Jurassic), Hunter Mountain Quartz Monzonite (Jurassic), and other coarse-grained diorite to alaskite bodies

Tv VOLCANIC ROCKS (TRIASSIC)—Consists of andesite flows, tuffs, and breccias interbedded with sandstone, shale, and conglomerate

TRMl CALCAREOUS SEDIMENTARY ROCKS (TRIASSIC TO MISSISSIPPIAN)—Consists of thin- to thick-bedded limestone interbedded with shale, siltstone, and sandstone, and dark-gray to black argillaceous shale. Includes unnamed Triassic limestone and shale, the Owens Valley Formation (Permian), Keeler Canyon Formation (Pennsylvanian and Permian), and Rest Spring Shale (Mississippian)

MSl LIMESTONE AND QUARTZITE (MISSISSIPPIAN TO SILURIAN)—Consists of thin-bedded to massive white to dark blue-gray limestone and marble, massive white to tan dolomite, minor cherty limestone and dolomite, and quartzite. Includes the Tin Mountain Limestone (Mississippian), Lost Burro Formation (Devonian), and Hidden Valley Dolomite (Devonian and Silurian)

CONTACT

FAULT—Dashed where approximately located, dotted where concealed

THRUST FAULT—Sawteeth on upper plate