DISTRICT	WEILKO County Gen	eral - see bach
DIST_NO	0050 - see bach	
COUNTY f different from written on document	Elko	
TITLE not obvious	Elle County Age-1	Date Samples
NUTHOR	Moore. W; Hedge	- C.
DATE OF DOC(S) MULTI_DIST	1981 see bach	
Additional Dist_Nos:	Currie 72' - see	one be
P_M_C_NAME mine, claim & company names)		
COMMODITY foot obvious		
NOTES	List of age date so correspondence; Cont	mples: location map; s donation
Keep docs at about 250 pages i		SS:_DD 12/12/08_
(for every 1 oversized page (>1) the amount of pages by ~25) Revised: 1/22/08	1x17) with text reduce	Initials

District	District No.	1 D No.	Quad
Delker	1400	60002316	Deler Butter 72' Silo Caryon 72'
Dolly Varden	1540	60002317	Dolly Voider Spring 72' Sharp Peak 72'
Ferber	1820	6000 2318	Ferber Peak 72
kinsley	2660	6000 2319	Boone Canyon 72'
White Horse	5 280	6000 2320	White Horse Mouatain 72'

Branch of Western Mineral Resources 345 Middlefield Road Mail Stop 41 Menlo Park, California 94025

November 2, 1981

Carl E. Hedge
Branch of Isotope Geology MS-963
Federal Center
Box 25046
Denver, Colorado 80225

Dear Carl:

I finally got the samples from southern Elko County together and have shipped them along with Peter Nabelek's rocks and mineral separates from the Notch Peak intrusion in the House Range. We thus have essentially complete coverage of major Phanerozoic plutons in the area bounded by $39^{\circ}N - 41^{\circ}N$ and $111^{\circ}30'W - 115^{\circ}00'W$. Two Laramide(?) plutons from Big Cottonwood Canyon in the Central Wasatch Mountains may be supplied by Larry James in a few months.

As for the Elko County rocks (see enclosed location map and sample list), the only pluton we didn't get to east of Ruby Valley is in the northern end of the Spruce Mountains, and the only area where the rocks are unsuitable for analytical work is the northern Medicine Range (southwest of Delcer Buttes). The plutons are notably confined to a narrow belt that extends west-northwestward from Gold Hill.

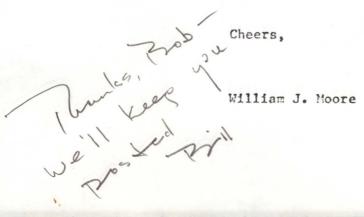
Before running 81-WM-13 (Melrose stock), check to see if you already have analyses data for material submitted by Bill Atkinson of Anaconda/University of Colorado. Nabelek's granite, 79-NP 37-2 whole rock, would appear to be the best sample to start with as it represents the largest intrusive unit (see his maps, etc.); the S-type affinities of the Notch Peak body may help us understand the parentage of the Gold Hill pluton.

Bob Coats kindly provided the map, which has not yet been released, so please keep it for your own use; he'll be getting an information copy of this letter. If you're able to run any of the samples before the county report goes to the printer, he'd be delighted to hear from you.

Hope you have a productive field season in Saudi. Be sure to leave a sampling status map with Jim Cole, and I'll do what I can to fill in the holes.

MRRF MPRF Moore

Enclosure



Plutonic rocks of the Unita-Oquirrh and Tintic-Deep Creek mineral belts, eastern Elko County, Nevada

Sample Number	Rock type, location age
81-WH-8	Hornblende-biotite quartz monzonite; Delcer Buttes; 149 m.y. and 153 m.y.;
81-WH-13	Mornblende-biotite quartz monzonite of Melrose stock; West-Central Dolly Varden Mountains, Victoria mine; 154
	m.y. and 134 m.y. (132 m.y. sercite);
81-WM-16	Biotite monzonite porphyry: east flanks Dolly Varden Mountains; date pendingCretaceous?;
81-WM-18	Biotite-hornblende quartz monzonite of Whitehorse stock; south end of Coshute Mountains; 156 m.y.
81-WM-19	Fine-grained leucocratic variant (?) of Delcer Buttes q.u; south end of West Buttes; date pendingcould be post-Jurassic;
81-WM-23	Hornblende-biotite quartz monzonite porphyry; 7.5 miles due north of Curry, NV; date pendingCretaceous?
81-WM-24	Biotite-hornblende granodiorite of Kingsley stock; south end of Kingsley Mountains: 35 m.y.;
81-W-25	Biotite granodiorite, aplitic porphyry; central Ferber Hills, 40°15' N, on UT-NV state line; date pendingCretaceous?

