

# Overview of Current Mineral Production and Exploration Activity in Nevada

Nevada Legislative Committee on Public Lands  
November 6, 2009  
Winnemucca, Nevada

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## "STAY OUT AND STAY ALIVE"

14,296 Discovered - 10,212 Secured (1987 - 9/2009)

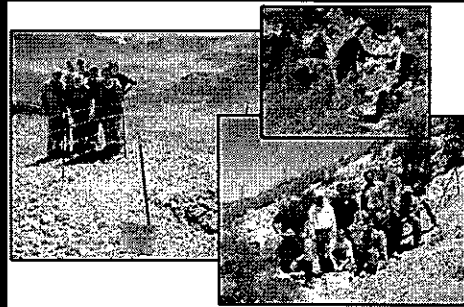


## 2009 Summer Interns



100 Summer Interns  
Investigated Over 4,000 Abandoned  
Mine Features in 14 Counties  
Inventoried 400 Mine Hazards and  
Secured 276 Dangerous Conditions

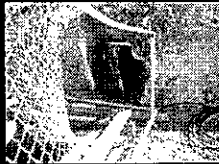
## EAGLE SCOUT SECURING PROJECTS



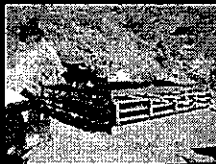
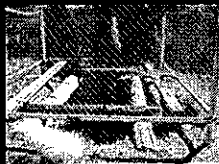
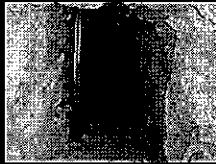
107 projects since 1992 resulting in 540 securings

## AML BAT GATE PROJECTS

BEFORE



AFTER



## AML BACKFILL PROJECT



448  
BACKFILLS  
2000 to 2008

EXHIBIT H-1 - LANDS  
Document consists of 32 slides.  
Entire Exhibit Provided  
Meeting Date: 11-06-09

## PUBLIC AWARENESS



Brochures, bumper stickers,  
magnets, stickers, pencils, mugs,  
squeeze bats

Commission on Mineral Resources and Division of Minerals  
Cooperative AML Project with 4<sup>th</sup> Ward School in Virginia City



Stay Out and Stay Alive Hologram Exhibit  
(only Hologram Museum Exhibit in Nevada)



## MINERALS EDUCATION



## UPDATE ON PRODUCTION AND EXPLORATION ACTIVITY IN NEVADA

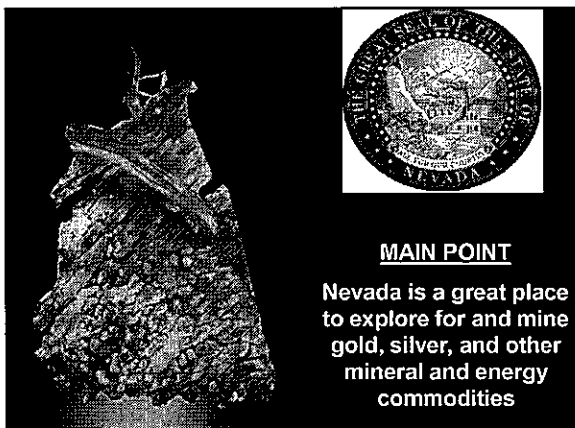
Jonathan G. Price<sup>1</sup>, Alan R. Coyner<sup>2</sup>,  
John Muntean<sup>1</sup>, and Doug Driesner<sup>2</sup>

<sup>1</sup>Nevada Bureau of Mines and Geology  
([www.nbmjg.unr.edu](http://www.nbmjg.unr.edu))



UNIVERSITY OF NEVADA

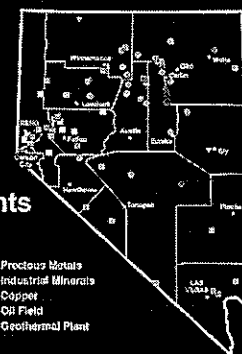
<sup>2</sup>Nevada Division of Minerals  
([minerals.state.nv.us](http://minerals.state.nv.us))



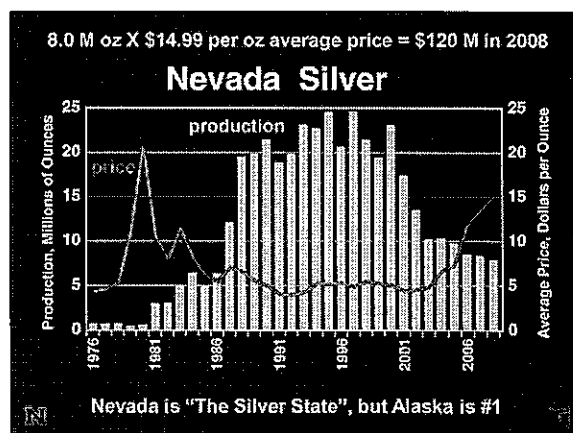
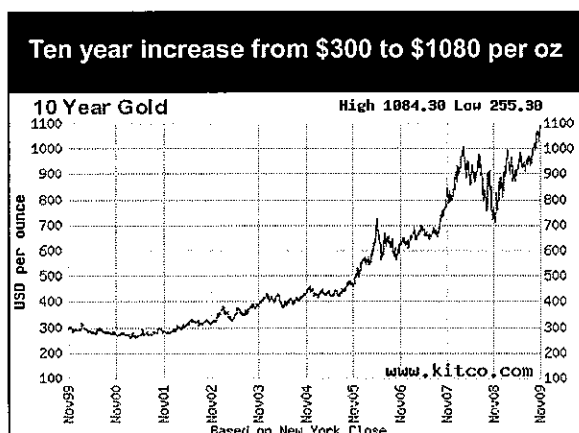
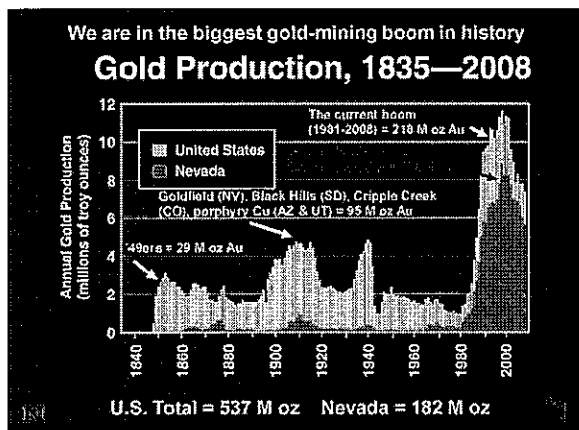
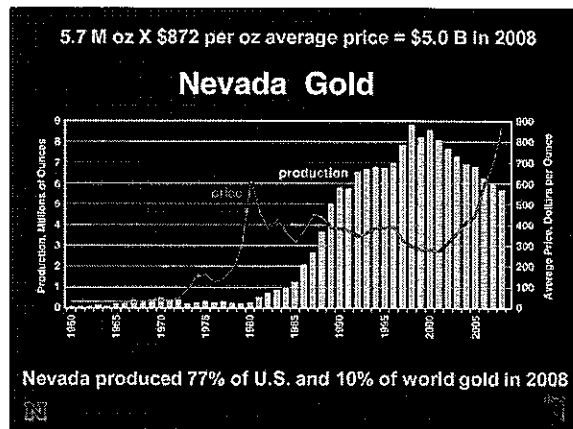
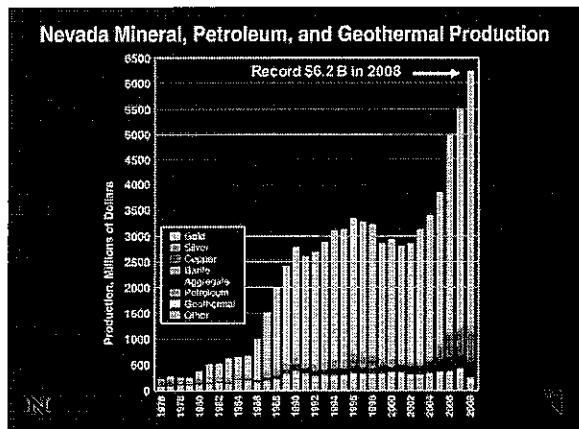
### MAIN POINT

Nevada is a great place  
to explore for and mine  
gold, silver, and other  
mineral and energy  
commodities

## Major Mines, Oil Fields, and Geothermal Plants

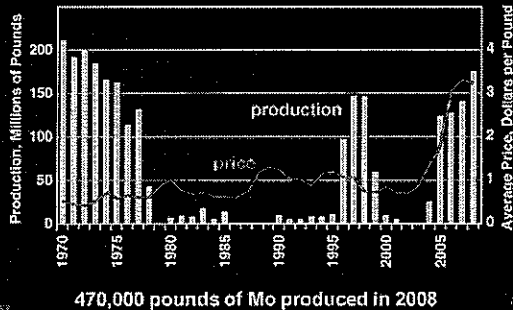


- Precious Metals
- Industrial Minerals
- Copper
- Oil Field
- Geothermal Plant



175.5 M lbs X \$3.24 per lb average price = \$569 M in 2008

## Nevada Copper



## Other Mineral Commodities Produced in Nevada

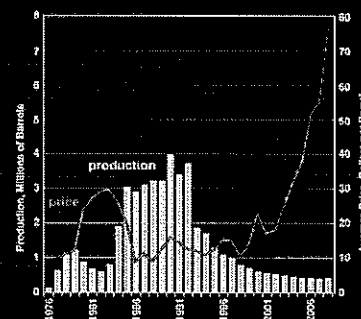
- Only U.S. producer of lithium compounds
- First in the nation in the production of barite and second in diatomite
- Nevada also produces aggregates, decorative rock, dolomite, gemstones (opal and turquoise), gypsum, lime, limestone, magnesium compounds, mercury, molybdenite, perlite, potassium sulfate, salt, silica sand, and specialty clays

## Nevada Mining Financial Assurance (in millions)

	2003	2005	2007	2008	2009	Nov 1, 2009
Bonds	\$272	\$248	\$210.6	\$214.0	\$328.2	\$393.0
Letters of Credit	In above	\$254	\$412.7	\$618.1	\$654.5	\$629.9
CD / Cash	In above	\$4	\$4.7	\$9.3	\$3.9	\$6.1
Corp Guarantee	\$271	\$204	\$187.3	\$182.0	\$179.7	\$183.7
USFS	\$14	\$10	\$12.3	\$12.5	\$13.5	\$13.3
Bond Pool	\$1	\$1	\$2.3	\$2.7	\$2.2	\$2.2
<b>Total</b>	<b>\$558</b>	<b>\$721</b>	<b>\$829.9</b>	<b>\$1,038.6</b>	<b>\$1,182.0</b>	<b>\$1,228.2</b>

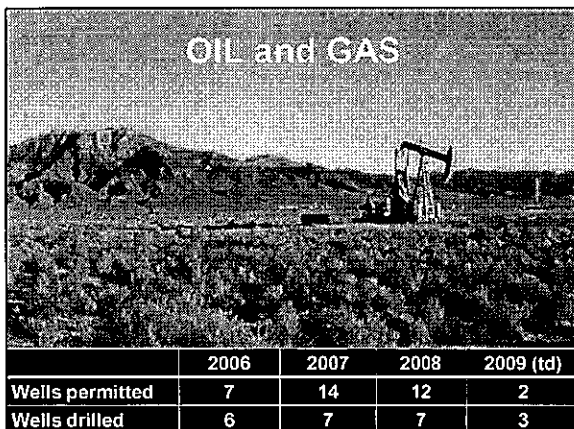
(as of January 1 of each year, data from NDEP records)

## Nevada Oil



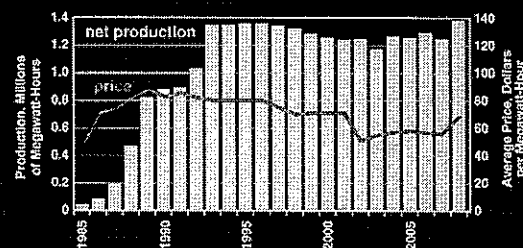
436,271 barrels from 75 wells (12 fields) sold \$33.3 M in 2008

## OIL and GAS

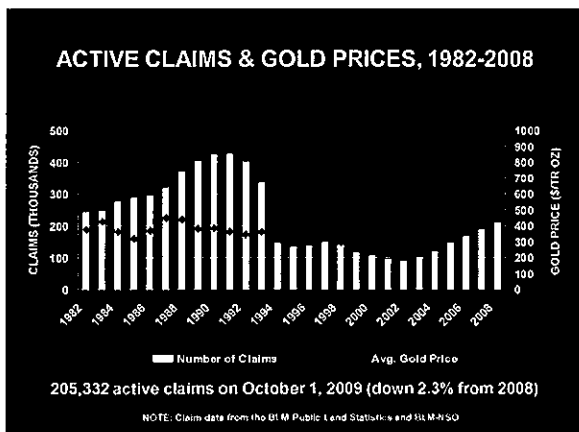
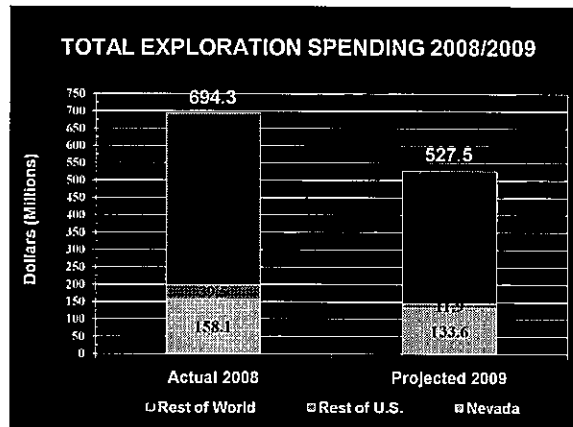
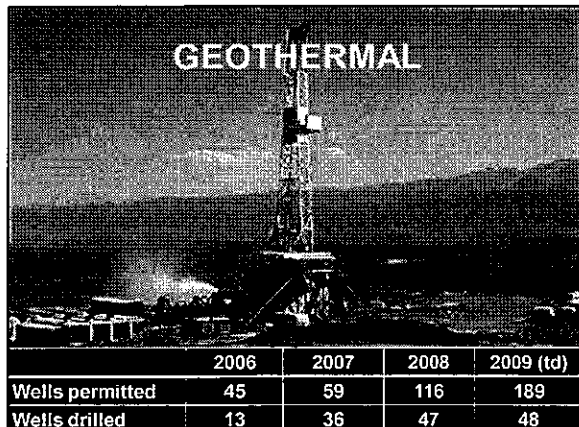


Production Capacity is 336.6 MW, second only to California

## Nevada Geothermal Energy



17 plants at 9 sites sold \$95 M of electricity in 2008





### PERMITTING DELAYS ON BLM-MANAGED PUBLIC LAND

- BLM permitting is the number one factor delaying new and existing mining projects (and geothermal projects as well)
- Many of the delays involve archeological (cultural) clearances and manpower
- BLM collects \$28 million plus annually in claim maintenance fees from Nevada
- Does this money assist Nevada permitting?

### MINING FRAUD

- Mining fraud is escalating due to recent price increases, especially gold and silver
- NDOM is investigating with NBMG, NDEP, and SOS Securities Division
- Recurring scams involve playa (lakebed) deposits and special assay methods
- NBMG SP-22 "Gold From Water (and Other Mining Scams)" is a good reference

### NEVADA = ELEPHANT COUNTRY

Nevada is a really great place to explore for and mine gold, silver, and other mineral and energy commodities

