

AML/2022 Nevada State of the State



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Nevada Division of Minerals

Nevada Mining Summary-2022

- NV produced 72% of U.S. Gold
- NV ranked 5th in world (behind China, Australia, Russia, and Canada)
- #1 mining jurisdiction based on the Investment Attractiveness Index (Fraser Institute, 2022)
- Continued interest in exploration for and production of critical minerals
- Employed >15,000 people with average yearly pay \$109,000

Summary of 2022 Production

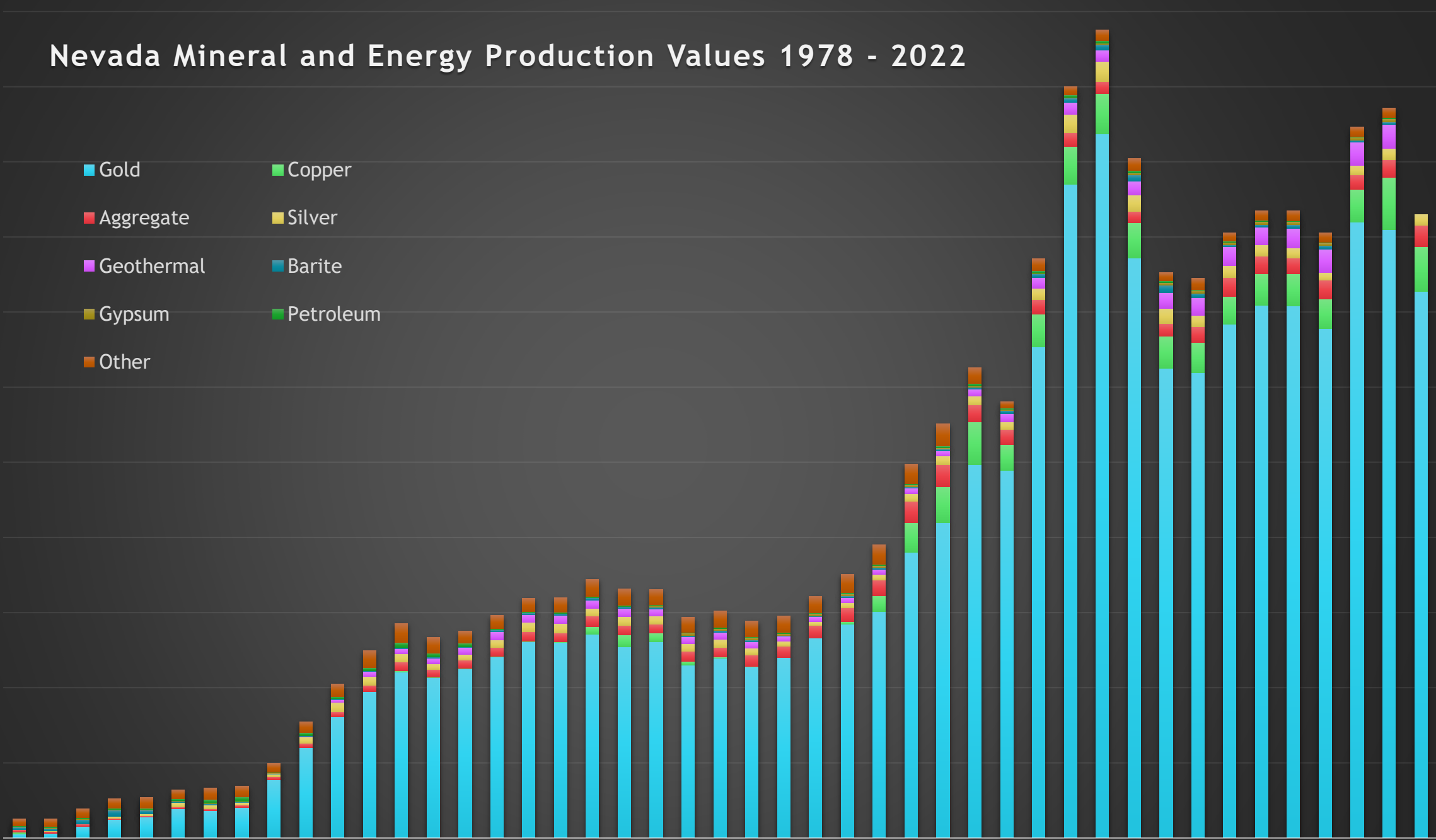
Gold	4,044,977	ounces
Silver	5,473,775	ounces
Barite (mined)	398,569	tons
Copper	141,769,152	pounds
Diatomite	327,293	tons
Dolomite	492,711	tons
Gypsum	2,639,564	tons
Limestone	3,564,701	tons
Lithium compounds (shipped)	8,180,690	pounds
Magnesium compounds (shipped)	122,483	tons
Molybdenite	275,620	pounds
Perlite	819	tons
Pozzolan	23,393	tons
Quartzite	3,341	tons
Salt (shipped)	18,000	tons
Silica sand (shipped)	771,800	tons
Specialty clays	84,592	tons

Nevada Mineral and Energy Production Values 1978 - 2022

PRODUCTION VALUE, \$ MILLIONS

- Gold
- Aggregate
- Geothermal
- Gypsum
- Other
- Copper
- Silver
- Barite
- Petroleum

1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022

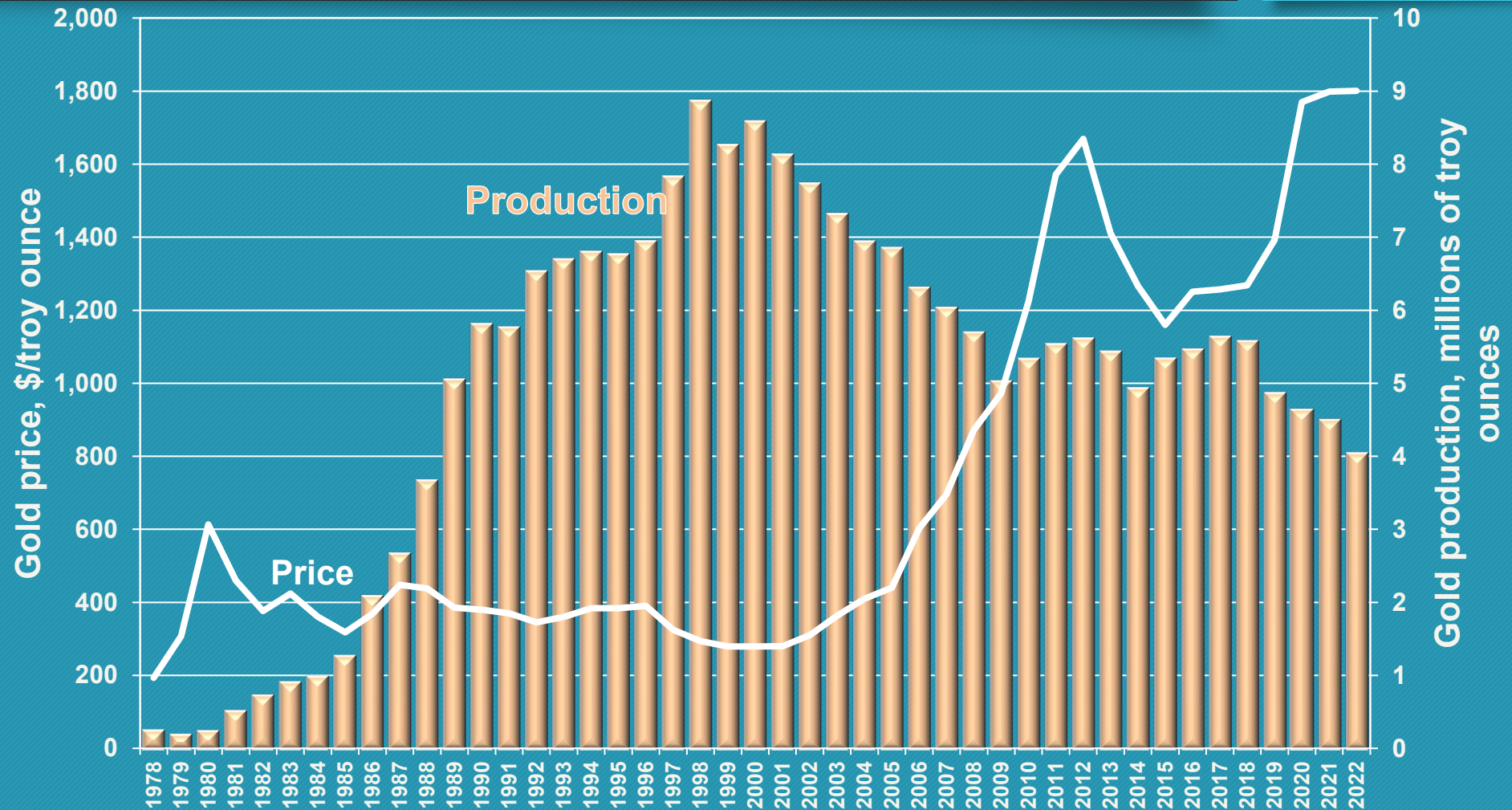


Nevada Gold



2022 Production:

- ✂ 4.04 Million ounces
- ✂ -10.2% vs. 2021
- ✂ 30 mining operations
- ✂ 17 operators
- ✂ 39% of production from the Carlin Trend
(Carlin ops, Betze-Post, Meikle, Arturo)



Nevada Production Data 1987 - 2022

Select Year to Display Production Totals:

- All -



Production Filter



Attribute Table



Legend

[Click Here to view Major Mine Publications](#)

< 1 of 45 >



Year	2022
Silver (oz)	5,473,775
Gold (oz)	4,044,977
Copper (Lbs)	141,769,152
Molybdenum (Lbs)	275,620
Barite Shipped (Tons)	453,746
Clay (Tons)	82,689
Diatomite (Tons)	327,293
Dolomite (Tons)	492,711
Gypsum (Tons)	2,639,564
Limestone (Tons)	3,564,701
Lithium Carbonate (Tons)	8,180,690
Perlite (Tons)	819
Quartzite (Tons)	3,341
Salt (Tons)	18,000
Silica Sand (Tons)	771,800
Oil (Barrels)	237,632
Geothermal K MWh	3,964

Search

- Arturo Mine - Gold
- Bald Mountain Mine - Gold
- Betze-Post Mine - Gold
- Borealis Mine - Gold
- Carlin Ops. - Gold
- Coeur Rochester Mine - Gold
- Cortez Hills Mine - Gold
- Cortez Pipeline Mine & Co.

- Denton-Rawhide Mine - Gold
- Fire Creek Mine - Gold
- Florida Canyon Mine - Gold
- Gold Bar Mine (Atlas) - Gold
- Goldrush - Gold
- Hycroft Mine - Gold
- Isabella Pearl Mine - Gold
- Jerritt Canyon Mine - Gold
- Lone Tree Complex - Gold
- Long Canyon Mine - Gold
- Marigold Mine - Gold
- Meikle Mine - Gold
- Pan Mine - Gold
- Phoenix Mine - Gold
- Pinson Mine/Granite Creek - Gold

Production Filter

Select Commodity if desired then filter on ONE year, the filter will not display correctly for more than one year.

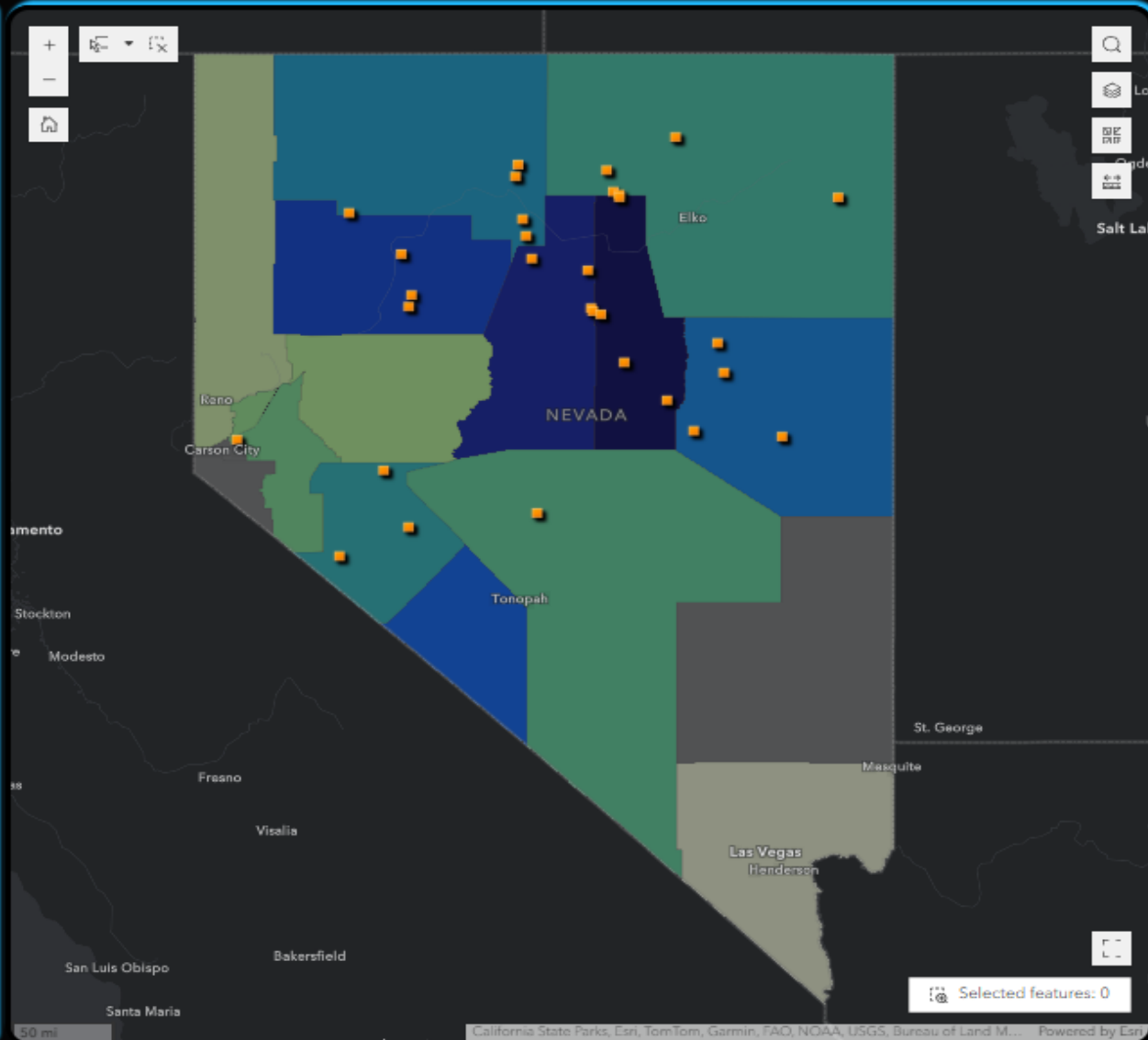
Commodity is

Gold

1987

1988

1989



Selected features: 0

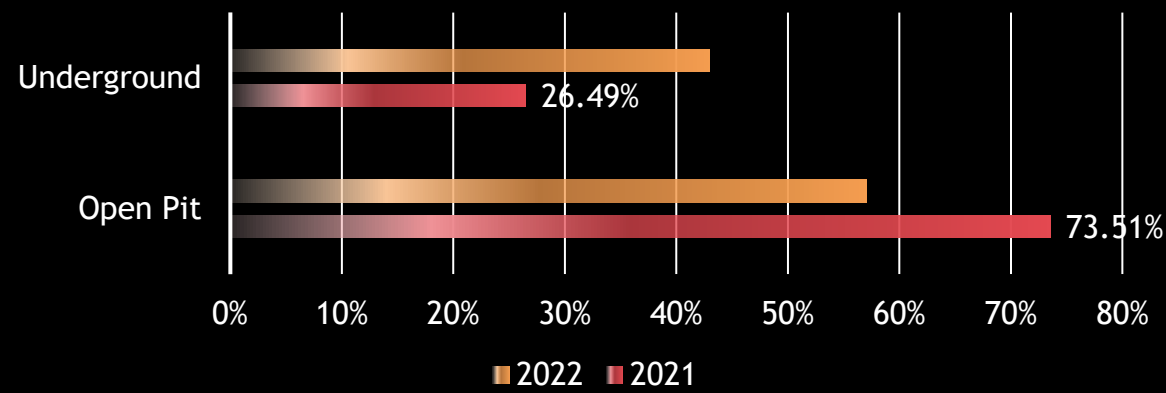
California State Parks, Esri, TomTom, Garmin, FAO, NOAA, USGS, Bureau of Land M... Powered by Esri

2022 Production By Operator

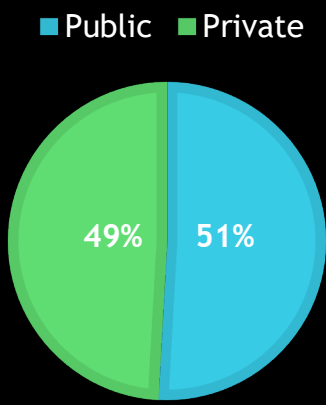
2022 NEVADA METAL PRODUCTION, BY PRODUCER				
Ranked by gold production				
Operator	Gold (ozs)	Silver (ozs)	Copper (lbs)	Moly (lbs)
Nevada Gold Mines	3,035,337	1,315,547	31,341,857	
Kinross	433,033	619,651		
SSR Mining	194,668	2,619		
First Majestic Silver	72,411	NR		
Florida Canyon Mining (Argonaut Gold)	49,440	30,414		
Calibre Gold	43,186			
KGHM International	41,346	256,312.00	108,416,295	275,620
Walker Lane Minerals	41,232	57,058		
Coeur	34,735	3,061,924		
i-80 Gold	27,236	9,000		
McEwen Mining	26,663	648		
Hycroft Mining	15,837	38,744		
Rawhide Mining	13,440	56,847		
Borealis Mining	11,957	19,815		
Gold Acquisition Corp.	2,246	5,193		
Hecla (Klondex)	2,205	NR		
Geo-Nevada	4	4		
Mineral Ridge Gold	0	0		
Nevada Copper	NR		2,011,000	
Totals:	4,044,977	5,473,776	141,769,152	275,620

Gold Production Statistics

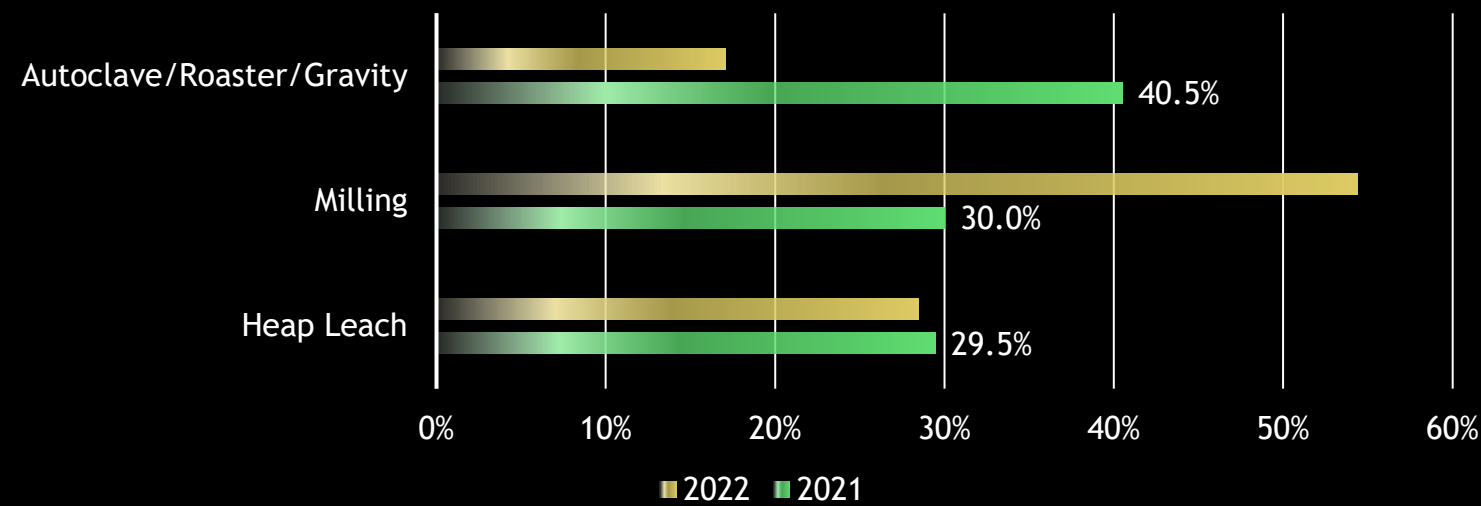
AU % BY MINE TYPE



2022 AU % BY LAND OWNERSHIP

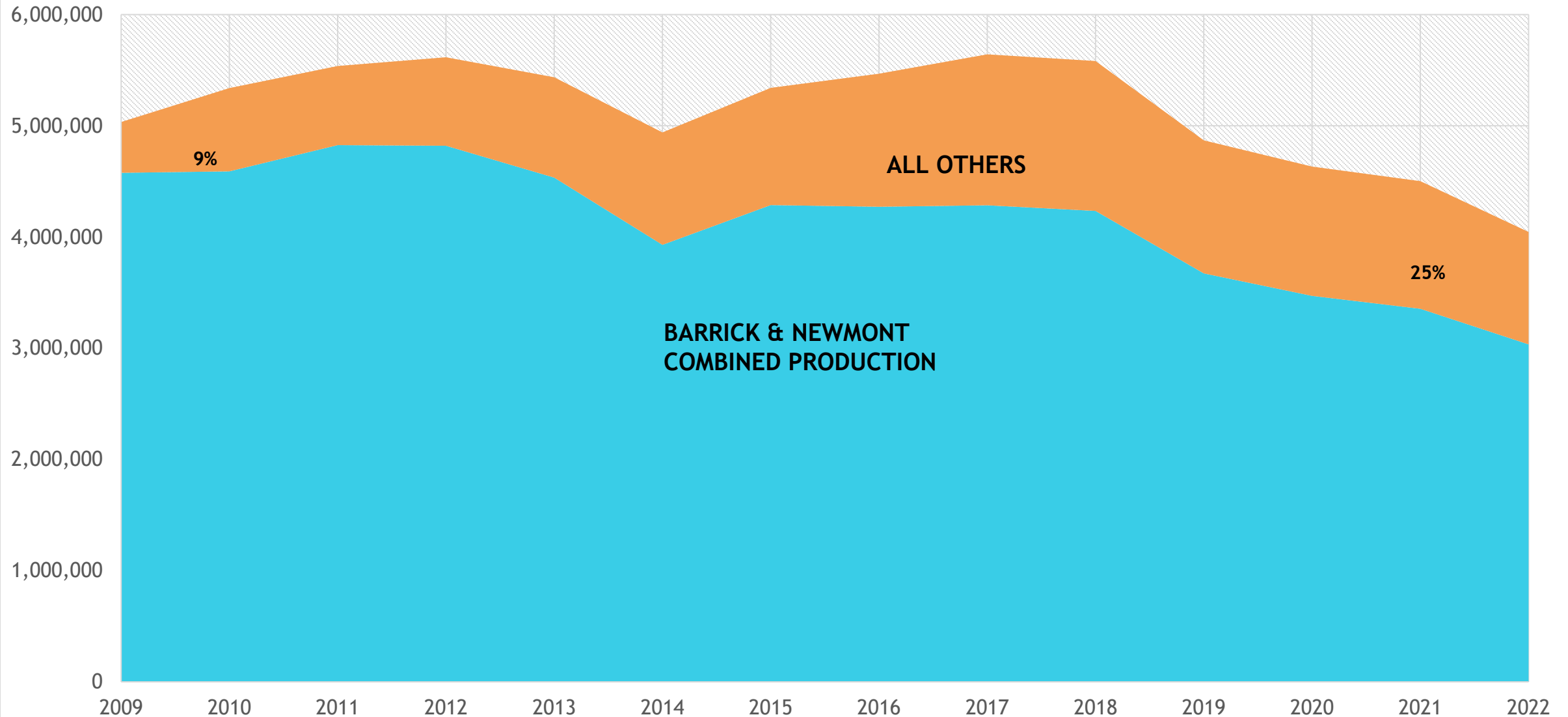


% AU BY PROCESS (2021 VS. 2022)



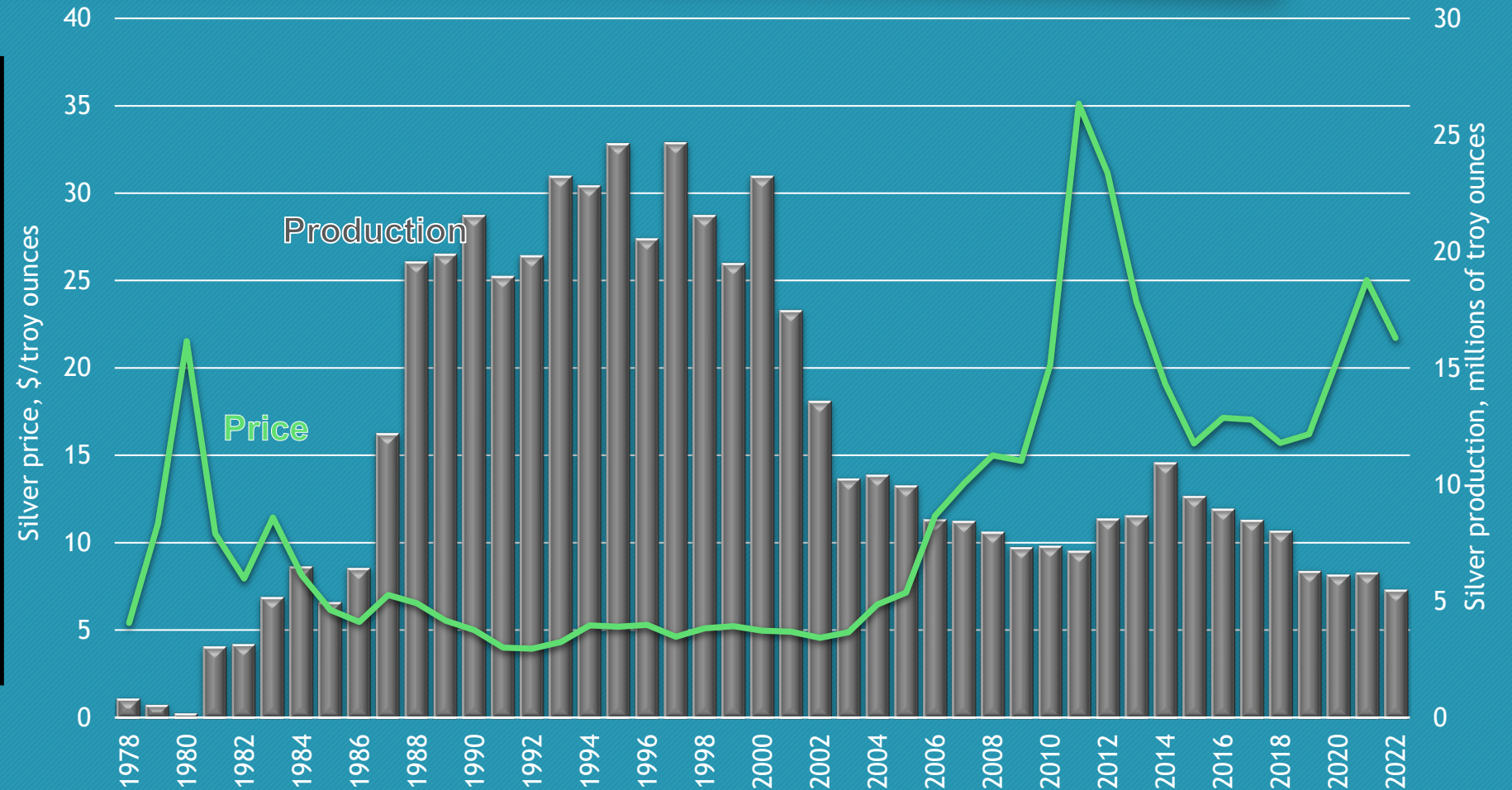
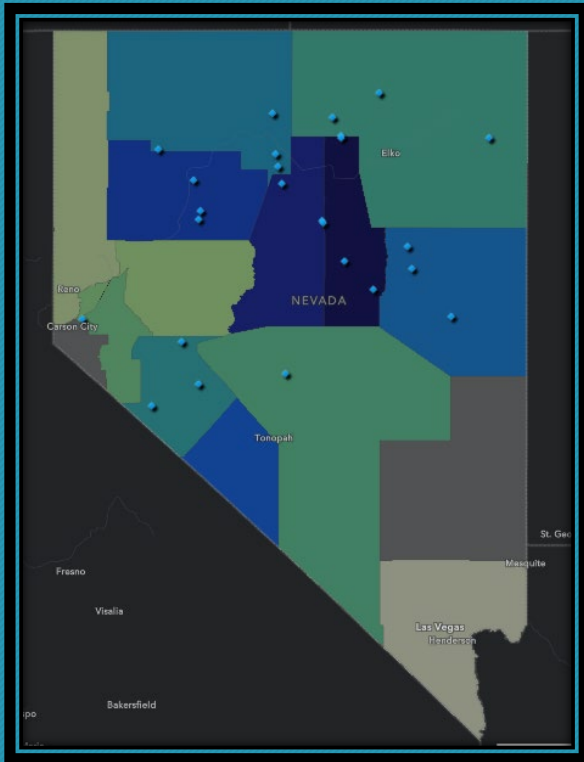
NGM Production Comparison

2009 - 2022 Annual Gold Production in Nevada



Nevada Silver

- ⌘ 5.47 Million ounces
- ⌘ -12% vs. 2021
- ⌘ 24 mining operations
- ⌘ 14 operators



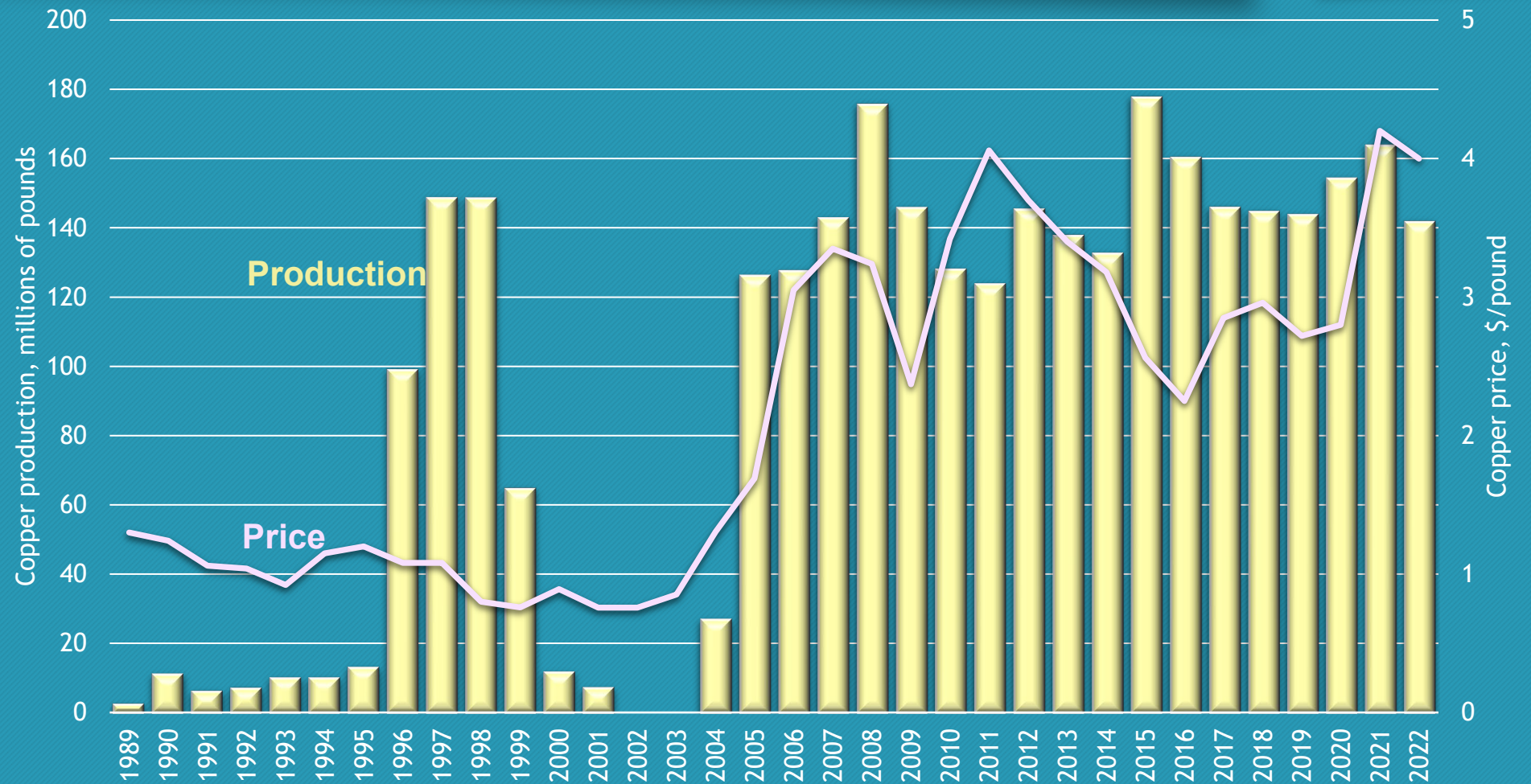
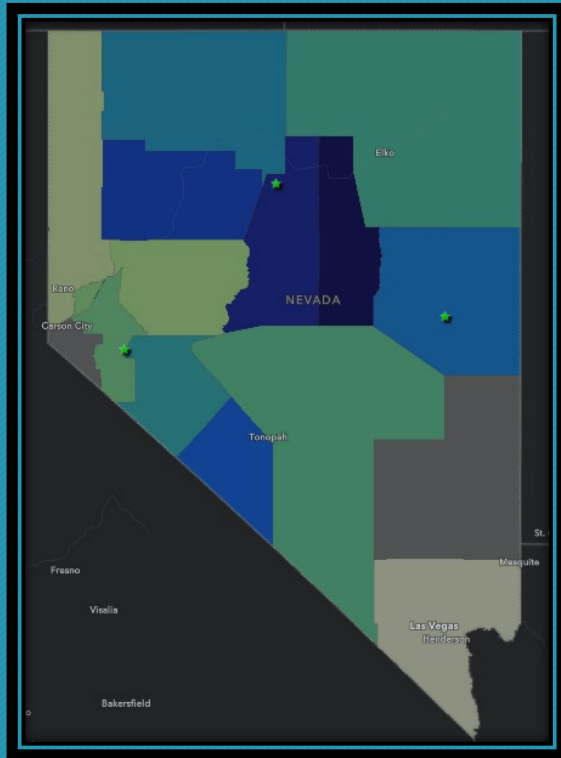
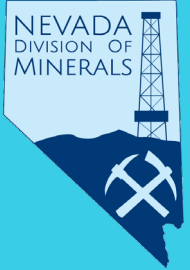
Nevada Copper

⌘ 141.77 Million pounds

⌘ -13.4% vs. 2021

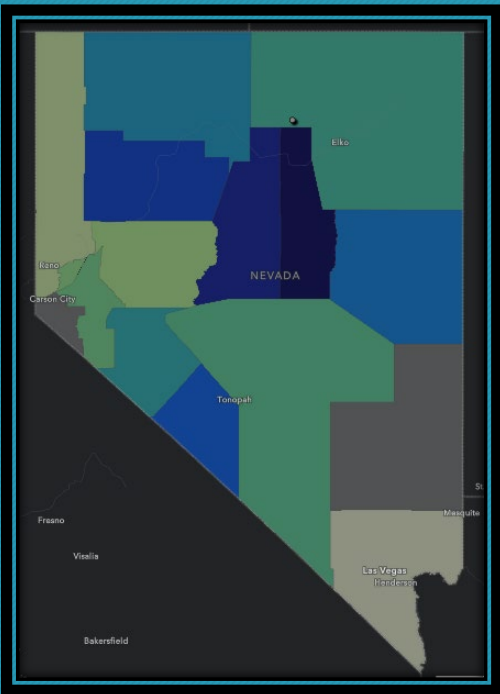
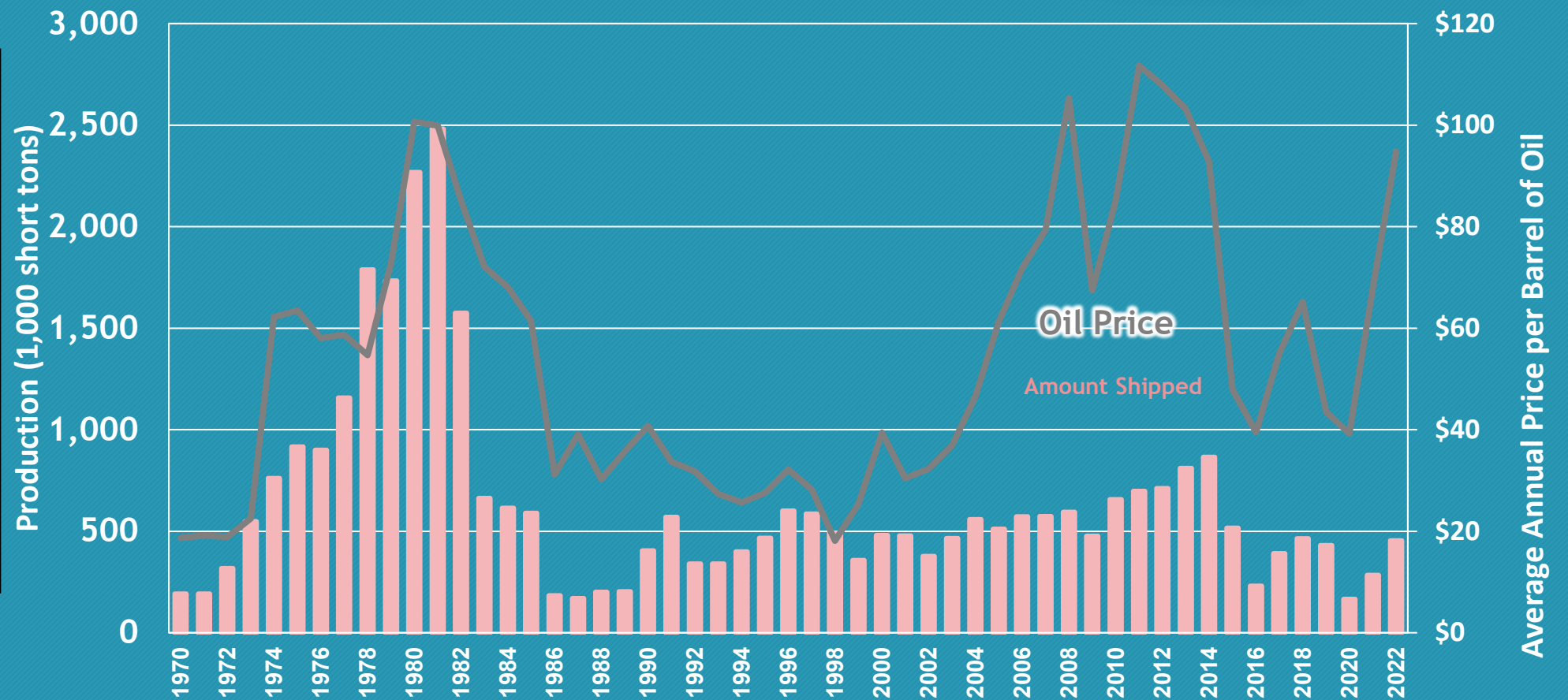
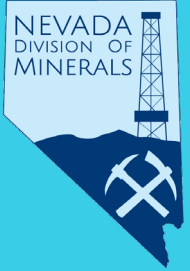
⌘ 4 mining operations

⌘ 4 operators



Nevada Barite

- ✂ 453,746 tons of barite shipped
- ✂ +60% vs. 2021
- ✂ 4 operations
- ✂ 4 operators



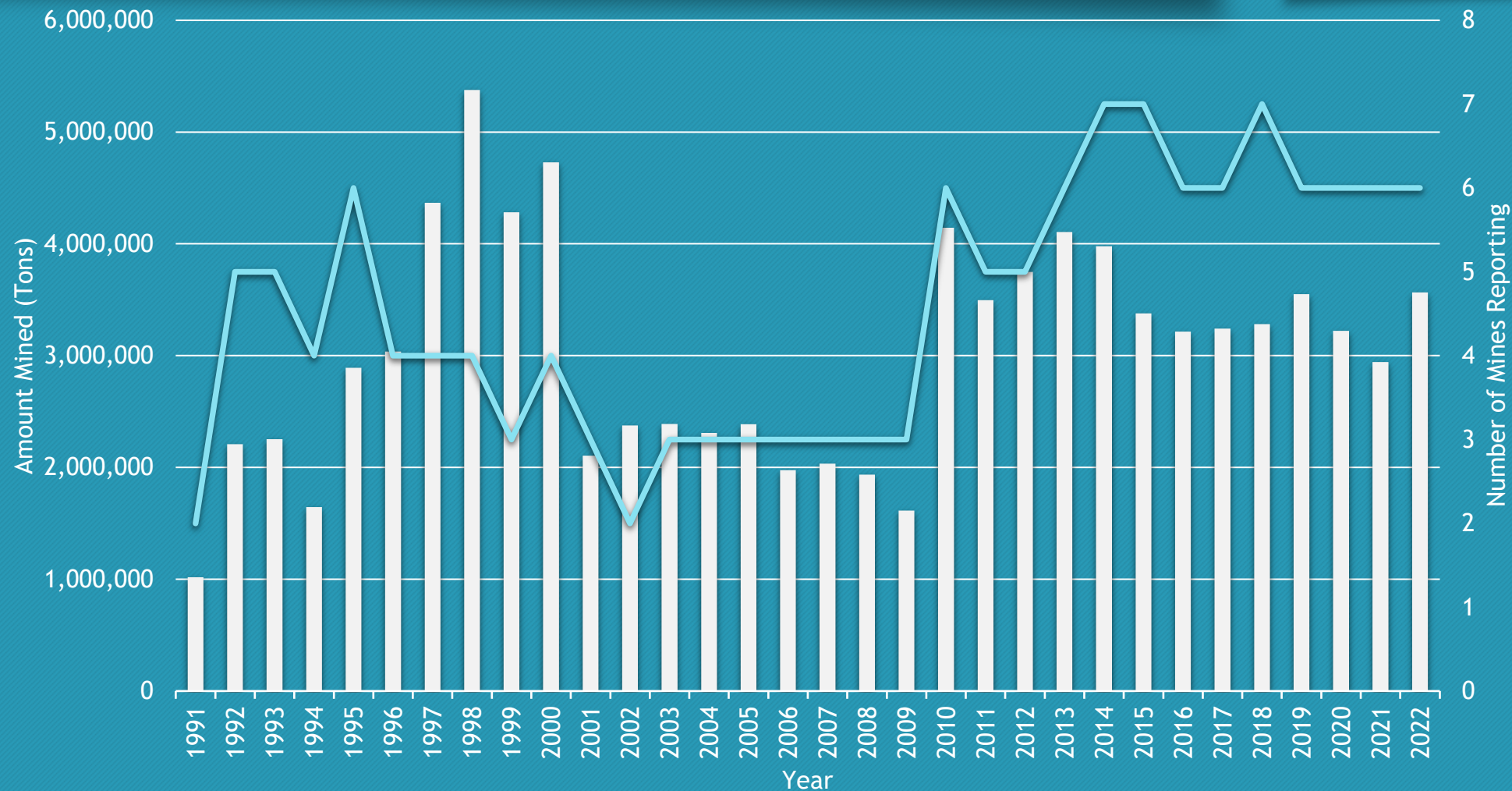
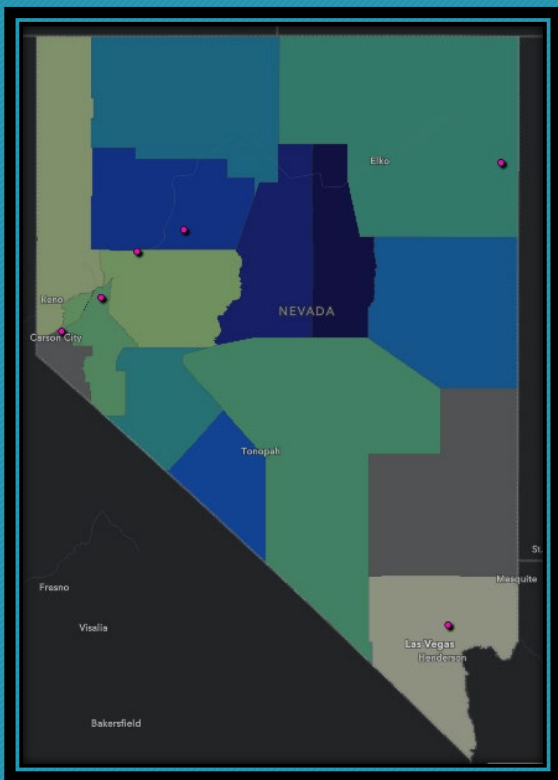
Nevada Limestone

⌘ 3.56 Million tons of limestone

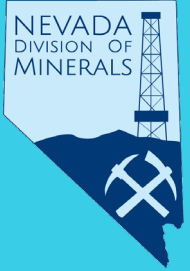
⌘ 21.2% vs. 2020

⌘ 6 mining operations

⌘ 4 operators

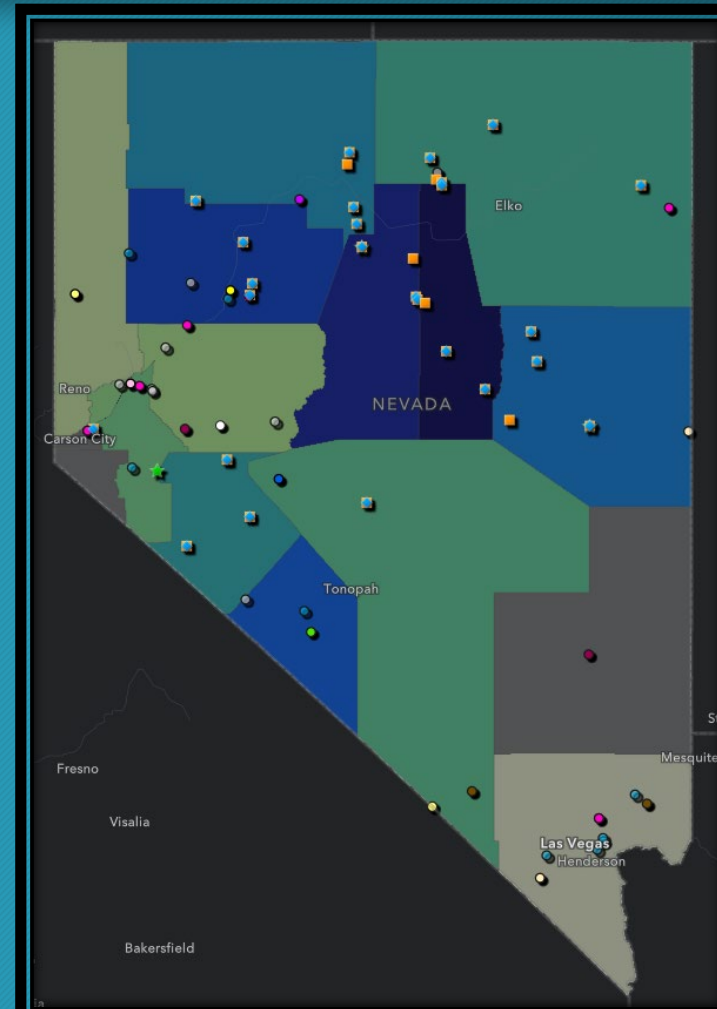


Other Industrial Minerals Mined/Produced in 2022



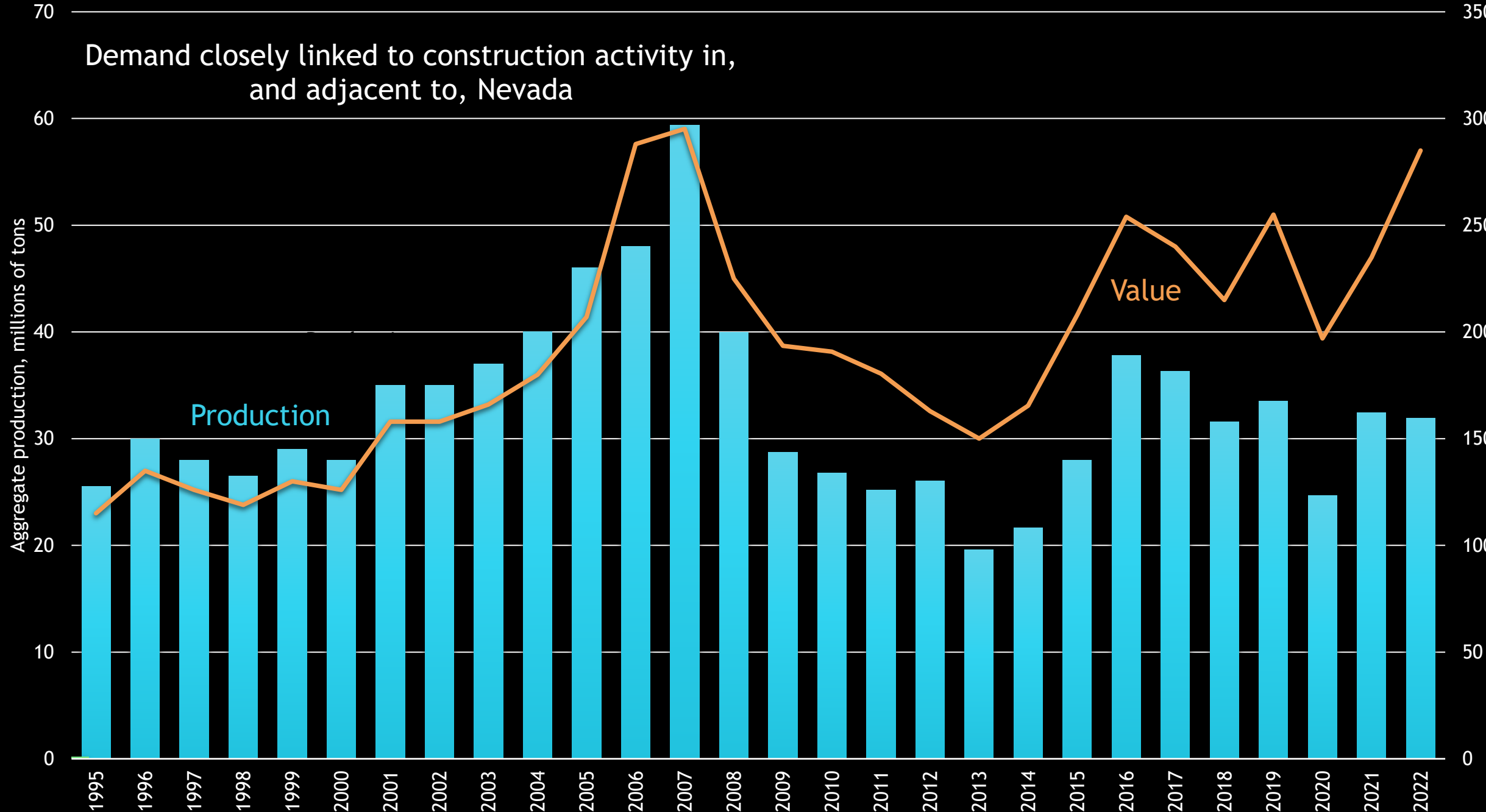
- ⌘ 8,301,221 lbs of lithium carbonate shipped (-36%)
- ⌘ 2,639,564 tons of gypsum (-4%)
- ⌘ 771,800 tons of silica sand shipped (+17)
- ⌘ 122,483 tons of magnesium oxide shipped (-5.2)*
- ⌘ 327,293 tons of diatomite (+5%)
- ⌘ 18,000 tons of salt shipped (+9%)
- ⌘ 819 tons of perlite (-78%)

* Only producer in US

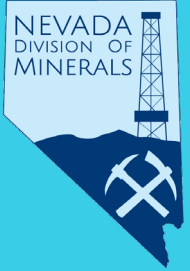


Nevada Aggregate Production and Value

Demand closely linked to construction activity in,
and adjacent to, Nevada

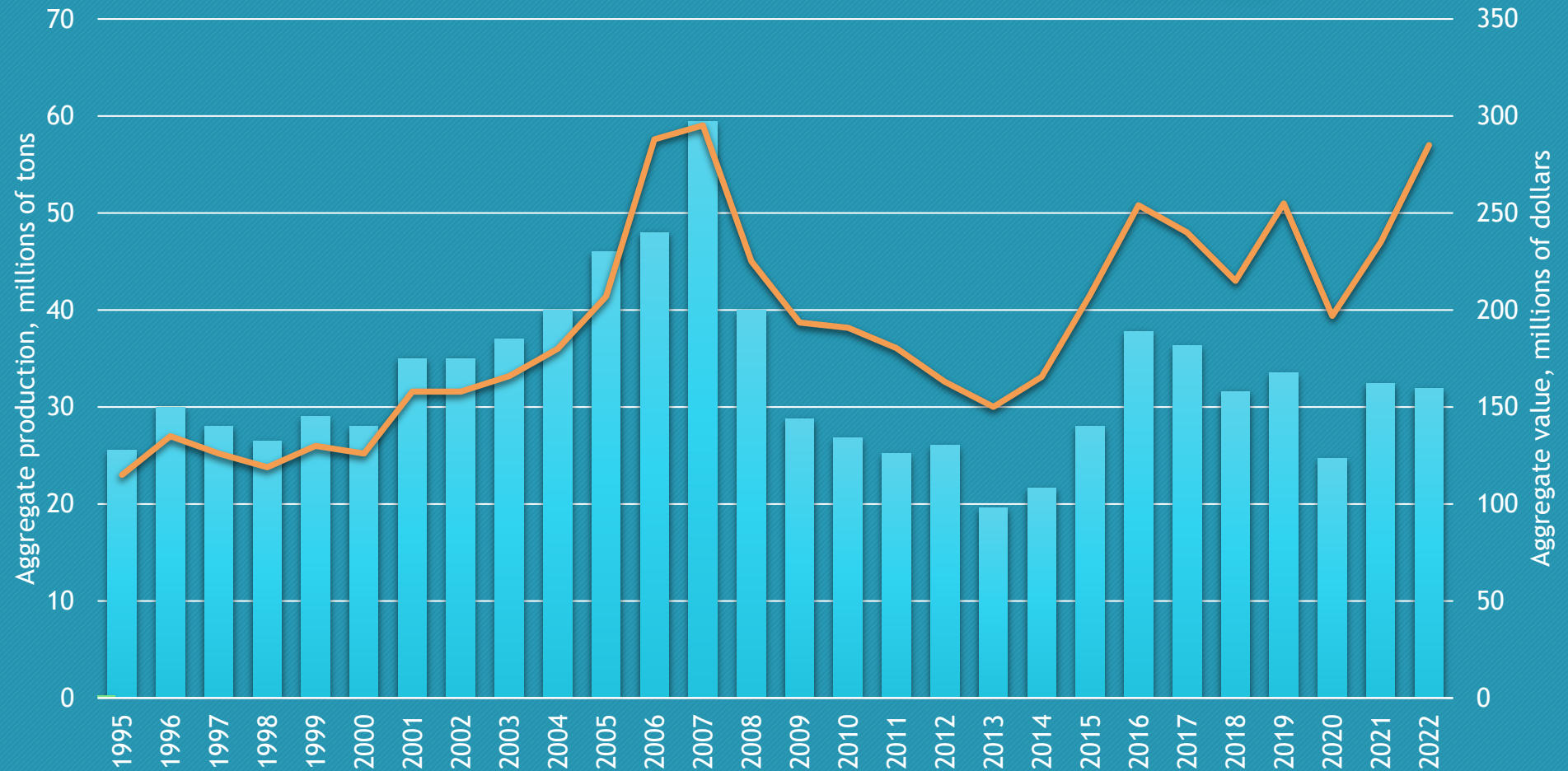


Nevada Aggregate

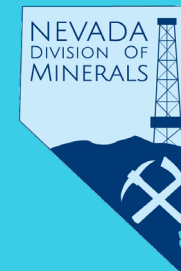


2022 Production:

- ✂ 223,233 barrels
- ✂ -17.9 vs. 2021
- ✂ Demand closely linked to construction activities in and adjacent to Nevada



Nevada Oil

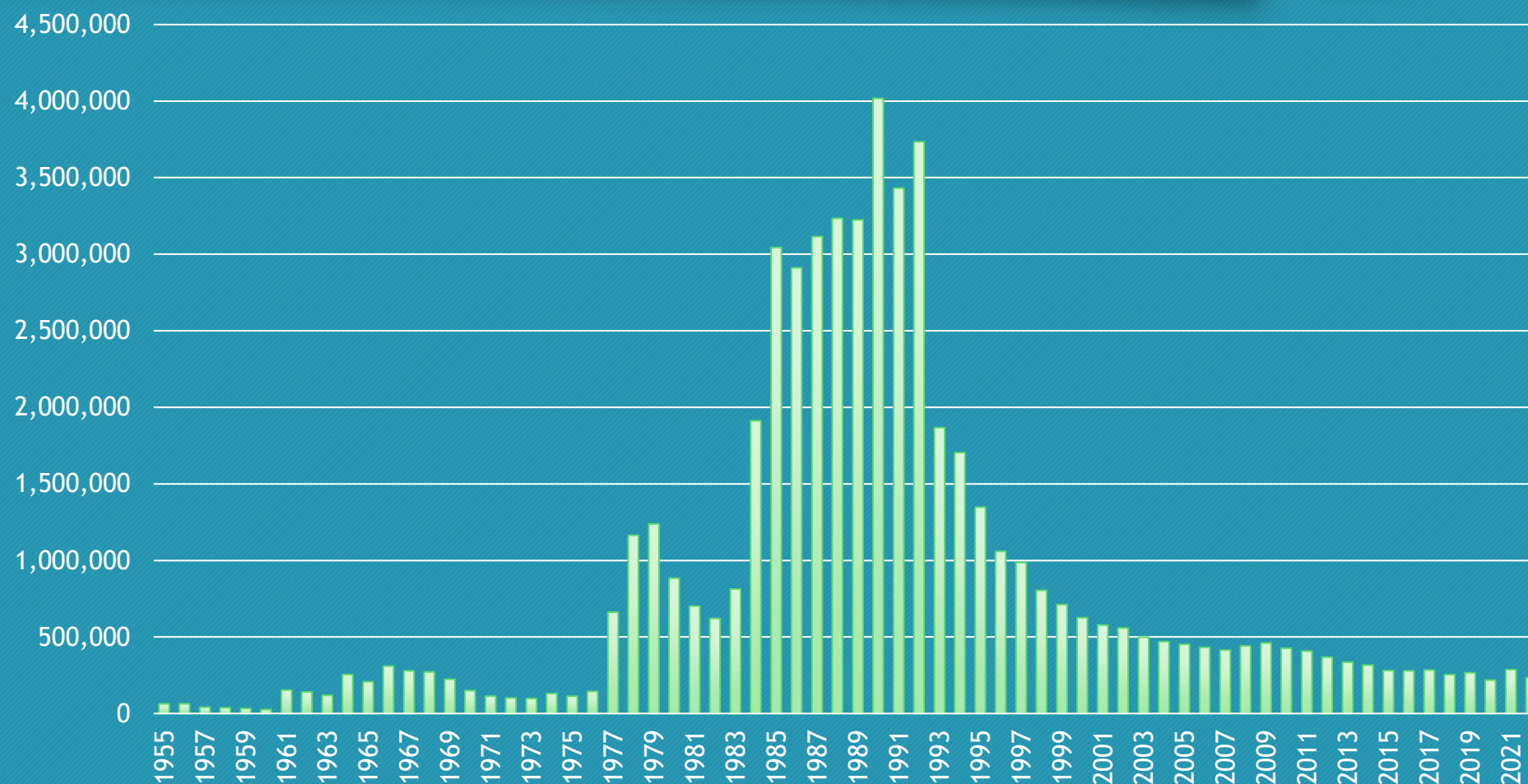


2022 Production:

⌘ 223,233 barrels

⌘ -17.9 vs. 2021

⌘ 1955-2022
cumulative
production
55,209,810 barrels





Layer List

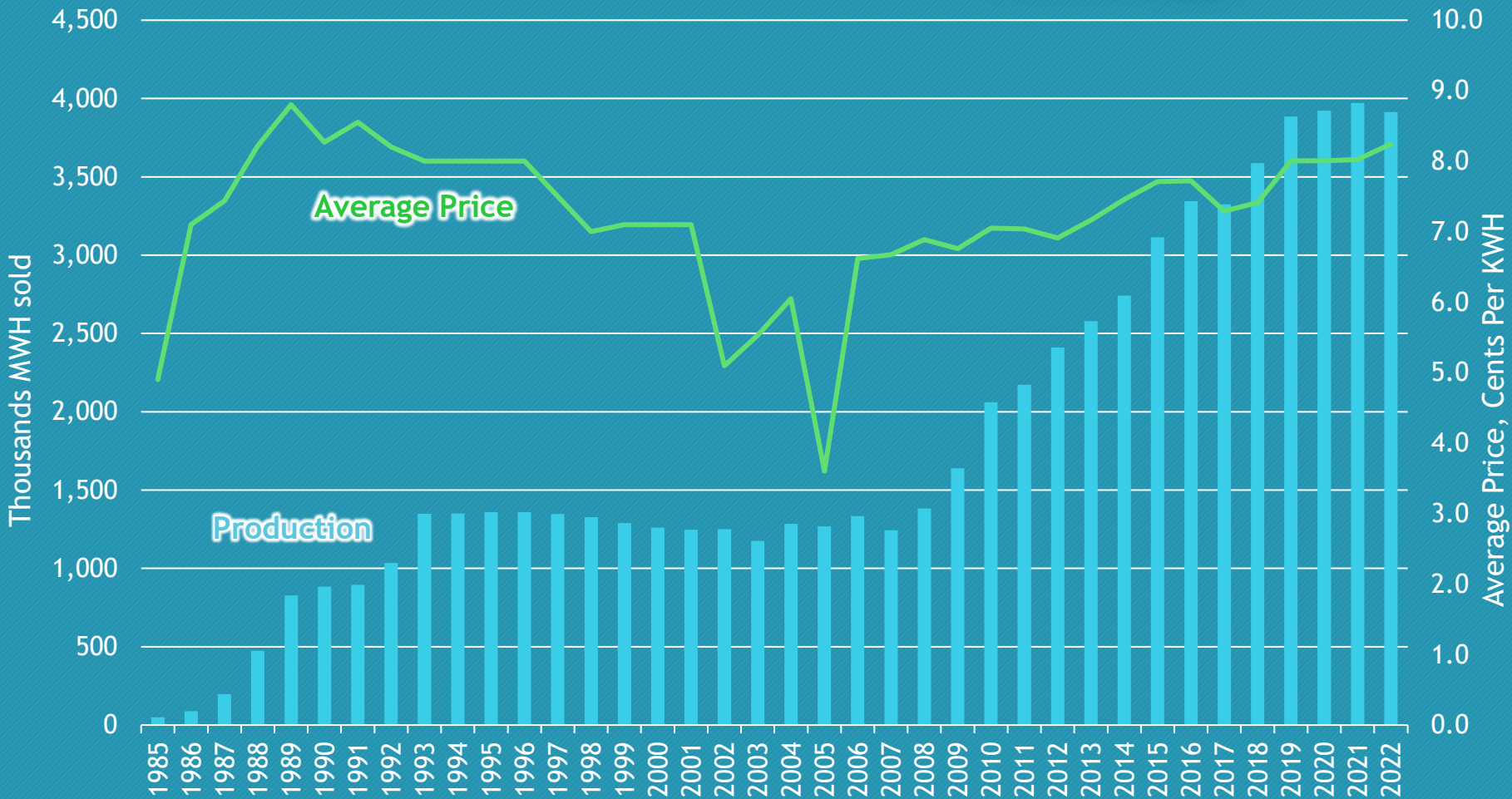
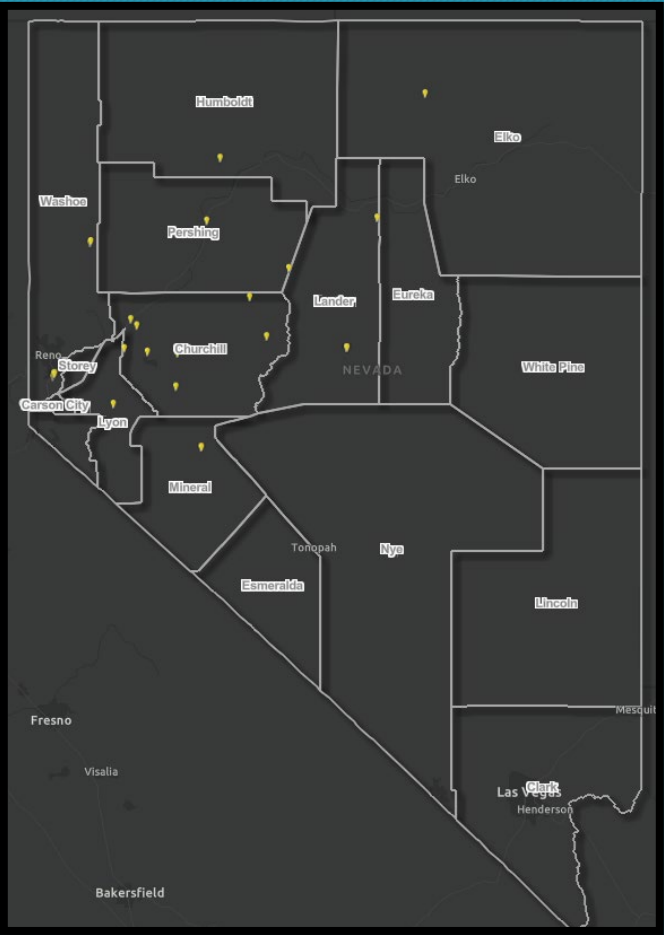
- ☐ Geothermal Well Locations ...
- ☒ Historic Oil Production 1985 - 2023 ...
- ☐ Historic Gas Production 1985 - 2023 ...
- ☐ Historic Water Production From Oil Wells ...
- ☐ Oil Well Locations ...
- ☐ Authorized Geothermal Lease Points ...
- ☐ Authorized Oil and Gas Lease Points ...
- ☐ Authorized Geothermal Leases Per Section ...
- ☐ Authorized Oil and Gas Leases Per Section ...
- ☐ Closed Geothermal Lease Points ...
- ☐ Closed Geothermal Leases Per Section ...
- ☐ Closed Oil & Gas Lease Points ...
- ☐ Closed Oil & Gas Leases Per Section ...
- ☒ Nevada Counties ...
- ☐ Power Transmission ROW Buffer September 19, 2023 ...
- ☐ NVPLSSTiles ...
- ☐ Nevada Surface Management Tiles ...



Nevada Geothermal

⌘ 3.9 million megawatt hours sold

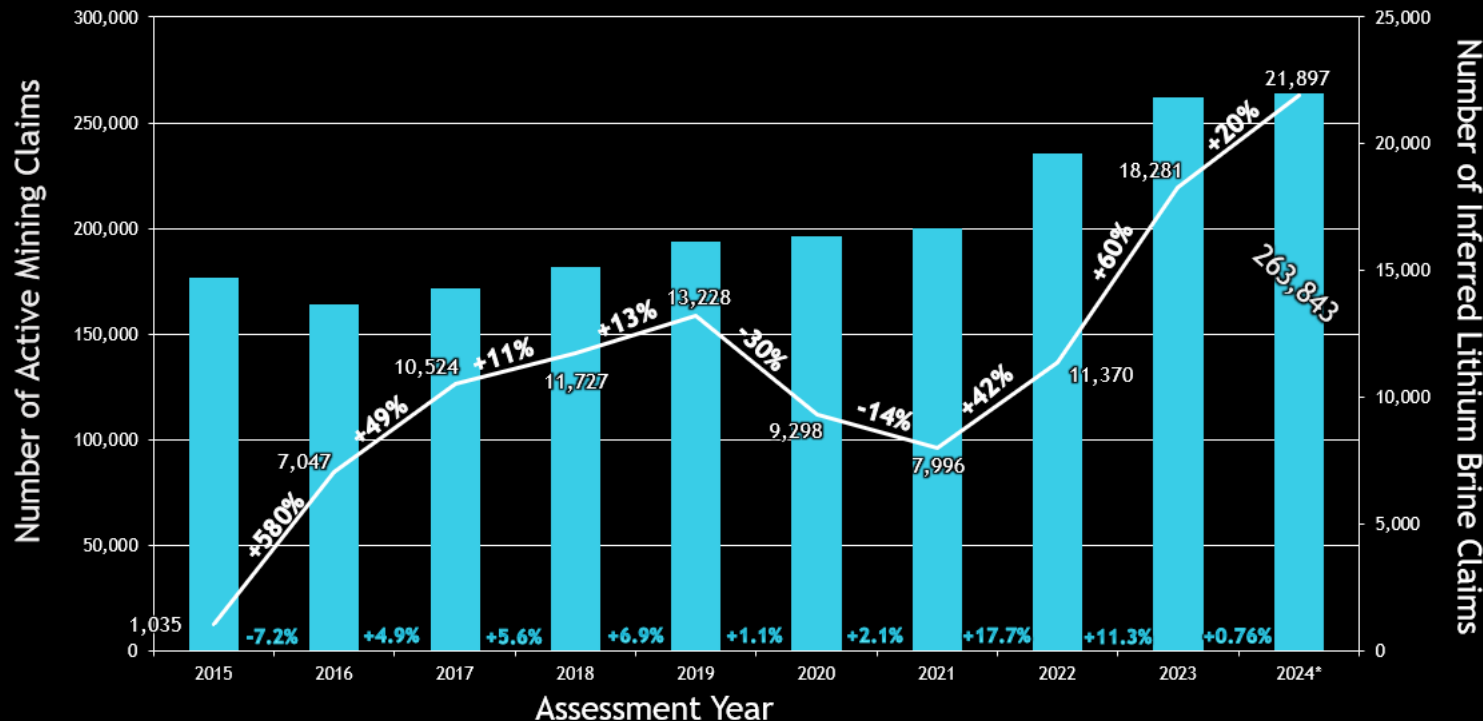
⌘ -1.6% vs. 2021



Mining Claims Distribution

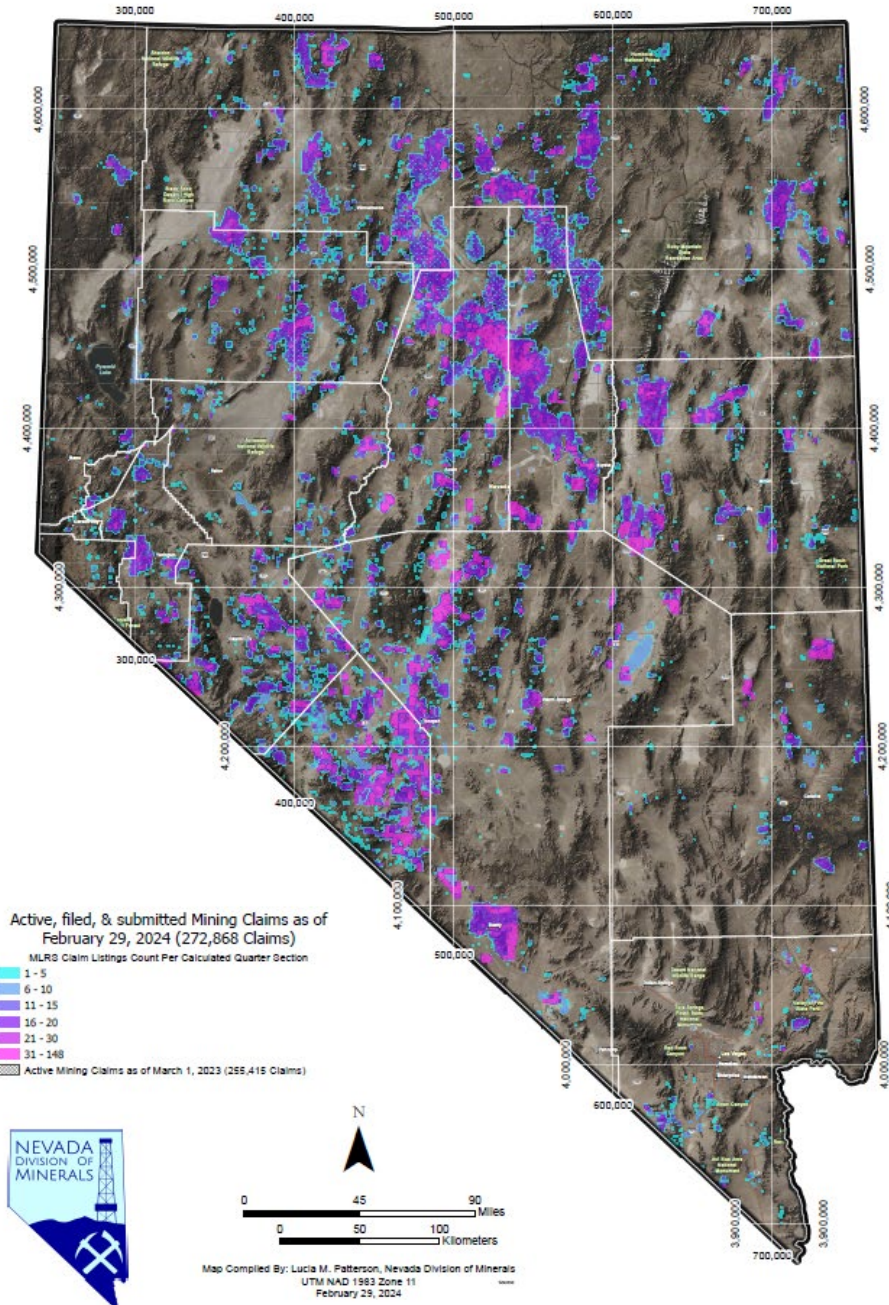
Distribution of Mining Claims in Nevada BLM MLRS Data as of February 29, 2024

Unpatented Mining Claims By Year

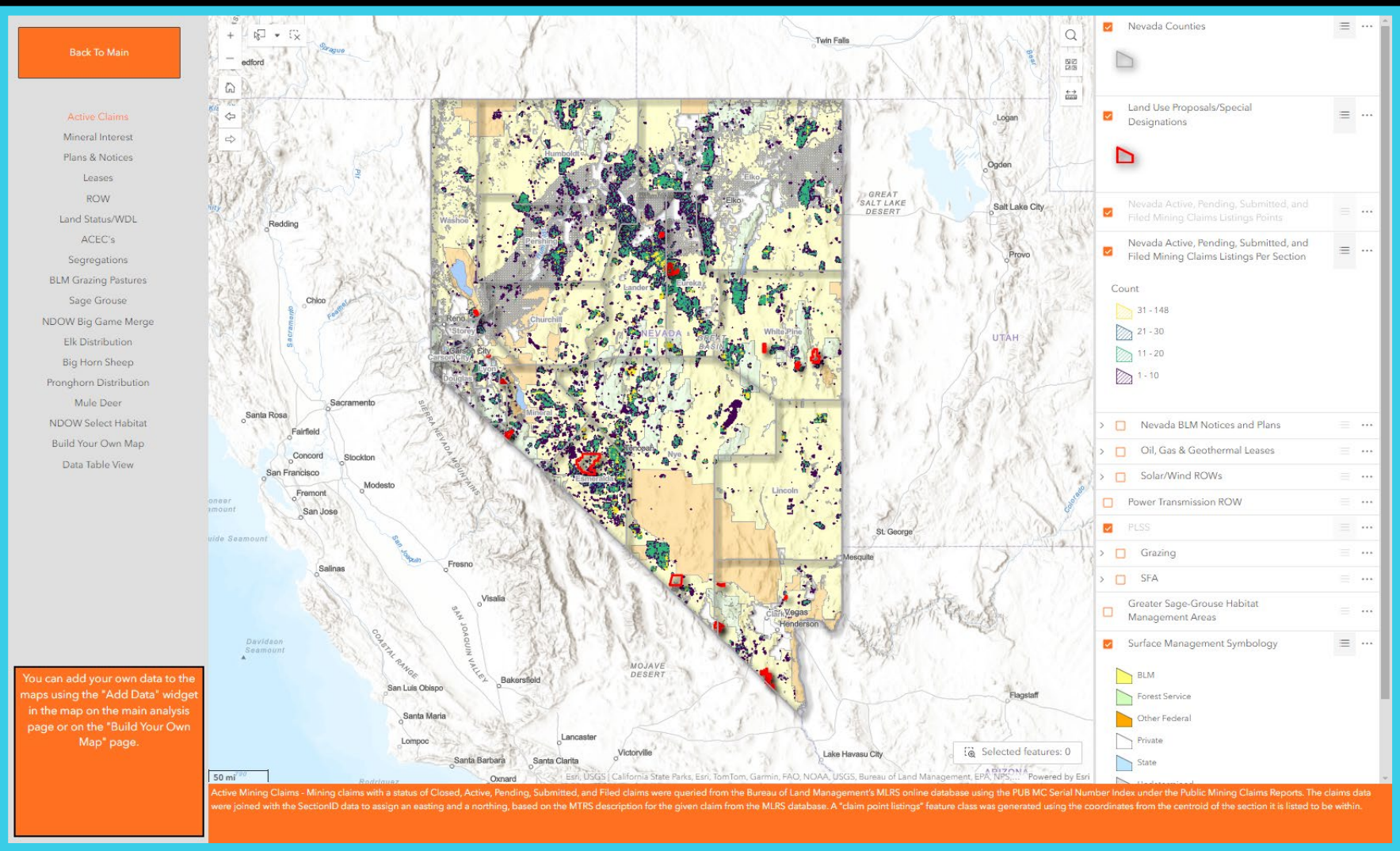


NDOM has been gathering active claim data from LR2000/MLRS at the end of October for the last nine years. The purpose of this graph is to show claims data and statistics from the same snapshot in time.

*In October of 2024, there were some issues with MLRS which resulted in many claims being set as "Closed" that were in fact still "Active". As a result, claim listing count data for AY 2024 came from a January 2024 claim pull.



Recent Land Issues



Renewable
Energy/Multiple
Use

ROW data
(wind/solar/power
transmission)

Segregations

Multiple use viewer
(work in progress)

← Results

Features displayed: 1 - 100 / 2666

► Claim Name: ADAMS HILL EXT NO 1

► Claim Name: ADAMS HILL EXT NO 1

► Claim Name: ADAMS HILL EXT NO 1

► Claim Name: ADAMS HILL EXT NO 1

► Claim Name: ADAMS HILL EXT NO 10

► Claim Name: ADAMS HILL EXT NO 2

► Claim Name: ADAMS HILL EXT NO 2

► Claim Name: ADAMS HILL EXT NO 3

► Claim Name: ADAMS HILL EXT NO 3

► Claim Name: ADAMS HILL EXT NO 4

► Claim Name: ADAMS HILL EXT NO 4

► Claim Name: ADAMS HILL EXT NO 5

< 1 2 ... 27 > 100 /page

You must filter the appropriate layer in order for these values to populate. The asterix correspond to the layer you must filter from above. The sums include claims of all dispositions not just "Active" and are max values.

*Sum of claim fees paid for selected CLAIM LISTINGS: \$ 0

**Average fees paid per section for SELECTED SECTIONS: \$ 0

**Sum of claim listings for SELECTED SECTIONS: 0

To suggest filter options or layers for this map or to submit proposal polygons please email the data source to Impatterson@minerals.nv.gov



- Loaded (100)
- Statistics
 - Zoom to
 - Pan to
 - View in table
 - Show on map
 - Export
- All data (2666)
- Set filter
 - Statistics
 - Zoom to
 - Pan to
 - Add to table
 - Export

Greenlink North Transmission Project

highlighting proposed multiple uses on federal lands.

This is not the exact proposal boundary for the **Greenlink North Transmission Project**. This polygon covers the general area that will be affected. The calculated acreage for this polygon is Acres.

More information [CLICK HERE](#) to view the Notice of Application.

View Simplified Maps - Along with maps depicting some grazing and wildlife data

Active Mining Claims

Historic Mining Claims

Plans & Notices

OQG Leases

BLM ROW's

Land Status

Segregations

Sage Grouse

NDOW Big Game

ACEC's

View Attribute Table/Export Selected Data

Build Your Own Map!

☒ Nevada Counties

☒ Power Transmission ROW Buffer
January 18, 2024

- ☐ AUTHORIZED
- ☐ PENDING
- ☐ INTERIM

☒ Land Use Proposals/Special
Designations (Solar-Wind Projects -
Land Withdrawals)

☒ Nevada Mining Claims

Nevada Active, Pending, Submitted, and Filed
Mining Claims Listings Per Section

Count

- 31 - 148
- 21 - 30
- 11 - 20
- 1 - 10

☒ Nevada BLM Notices and Plans

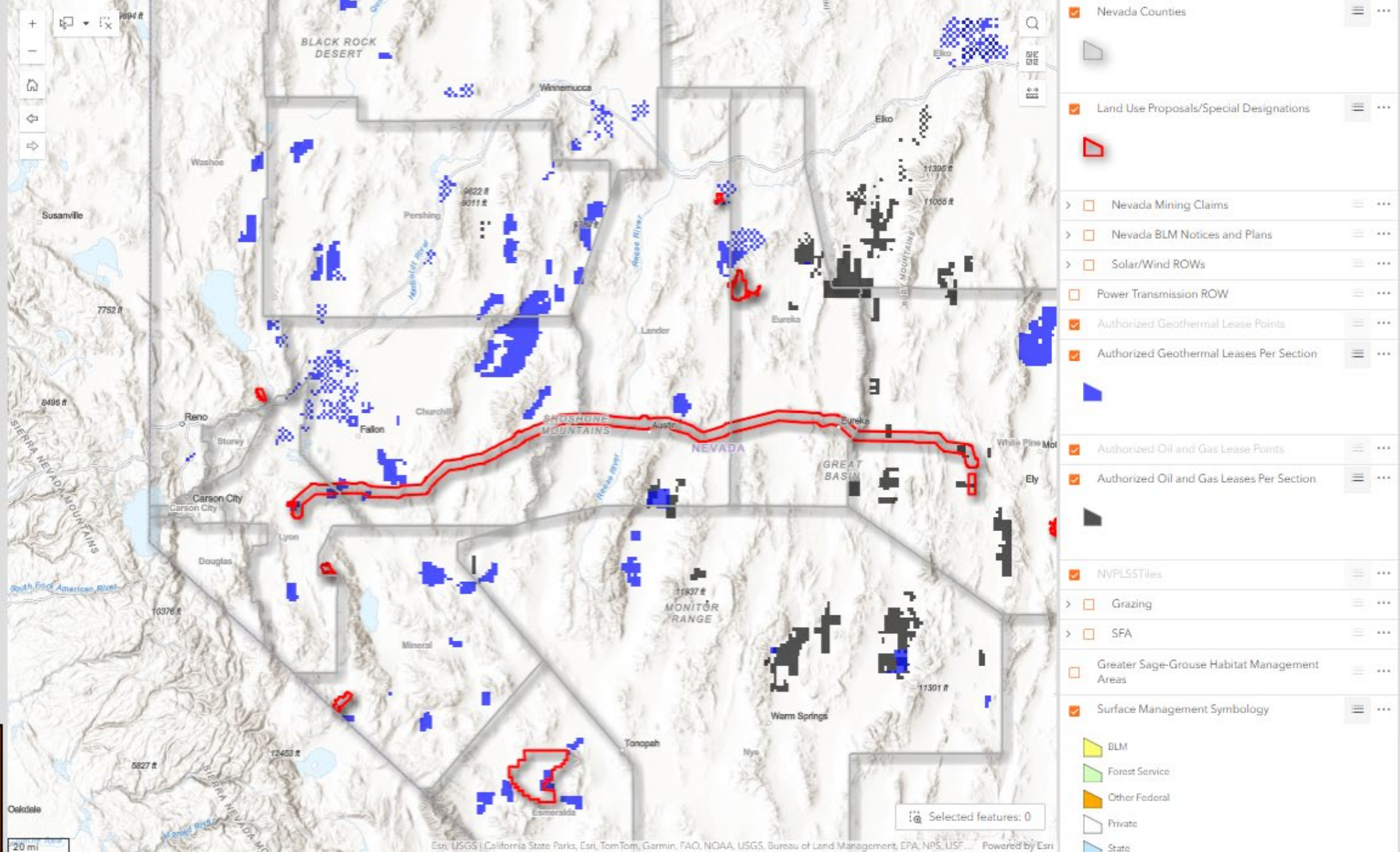
No legend

☒ Production of Minerals in Nevada:
1987-Present

[Back To Main](#)

Active Claims
Mineral Interest
Plans & Notices
Leases
ROW
Land Status/WDL
ACEC's
Segregations
BLM Grazing Pastures
Sage Grouse
NDOW Big Game Merge
Elk Distribution
Big Horn Sheep
Pronghorn Distribution
Mule Deer
NDOW Select Habitat
Build Your Own Map
Data Table View

You can add your own data to the maps using the "Add Data" widget in the map on the main analysis page or on the "Build Your Own Map" page.



Oil/Gas & Geothermal Leases- All Leasedata has been pulled from the BLM's MLRS database using the CR Serial Register Page - Other Query Parameters - all CR Products. Lease points plot in the center of the section designated in the MTRS description of the MLRS report. The sections are selected based on the spatial intersection with the latter points. Lease dispositions include Authorized, Pending, and Interim.

Back To Main

Active Claims

Mineral Interest

Plans & Notices

Leases

ROW

Land Status/WDL

ACEC's

Segregations

BLM Grazing Pastures

Sage Grouse

NDOW Big Game Merge

Elk Distribution

Big Horn Sheep

Pronghorn Distribution

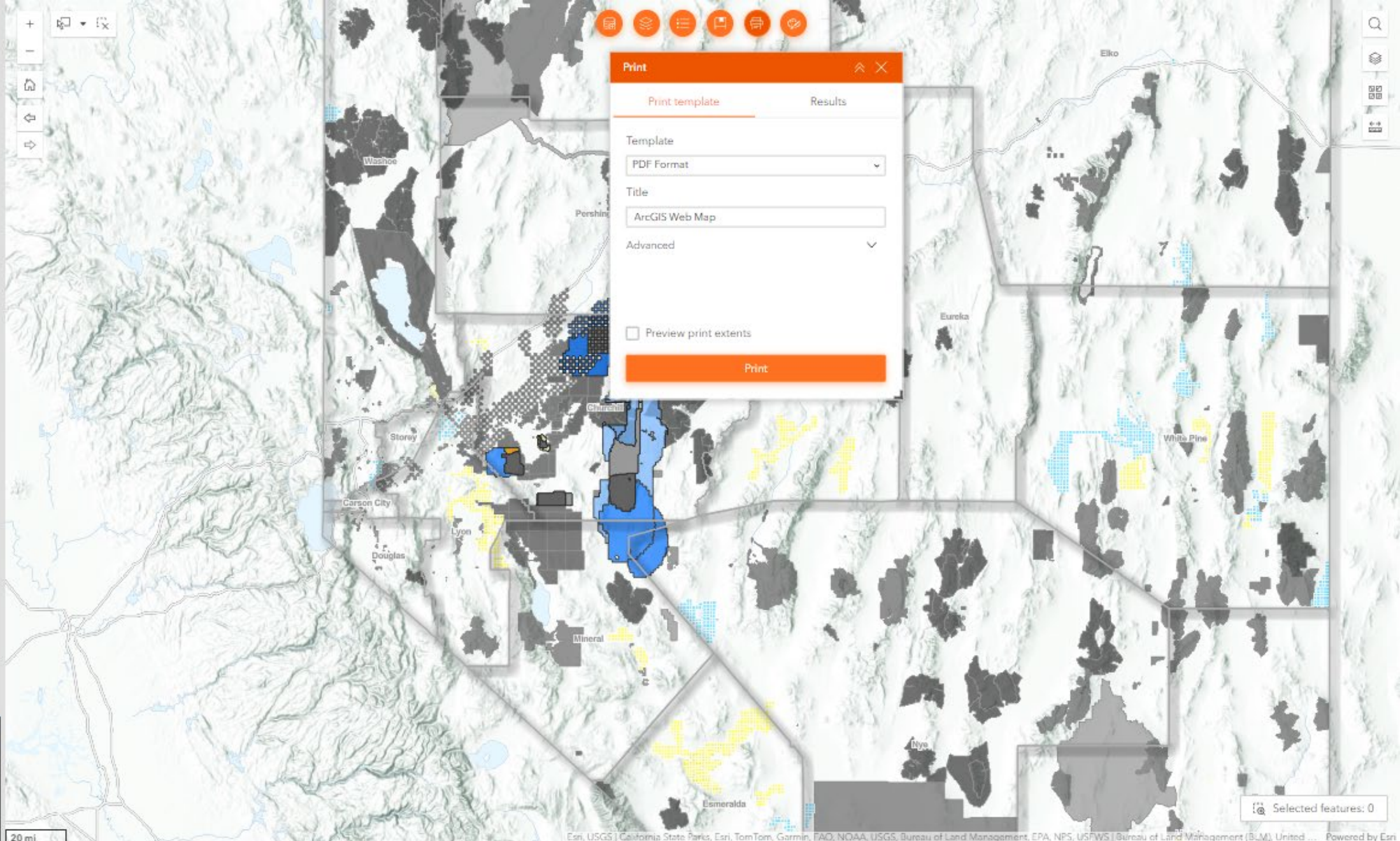
Mule Deer

NDOW Select Habitat

[Build Your Own Map](#)

Data Table View

You can add your own data to the maps using the "Add Data" widget at the top of the map on the main analysis page or on the "Build Your Own Map" page.



Click on the orange layers widget at the top of the screen and start turning layers on. You can also use the add layers widget to add external layers to the map either from URLs or shapefiles. Then print the map to a pdf file!

Conservation rule

- Record number of comments received (216,000 in total - 22,000 being substantive)
- It has been stated that the rule has a long time to go, it has caught a lot of attention
- Estimated that it would probably 18-24 months (that figure was as of mid august) to even have an answer which doesn't include a final draft.

Security Exchange Commission - Natural Asset Company Rule

WITHDRAWN

The NAC Rule defines a NAC as:

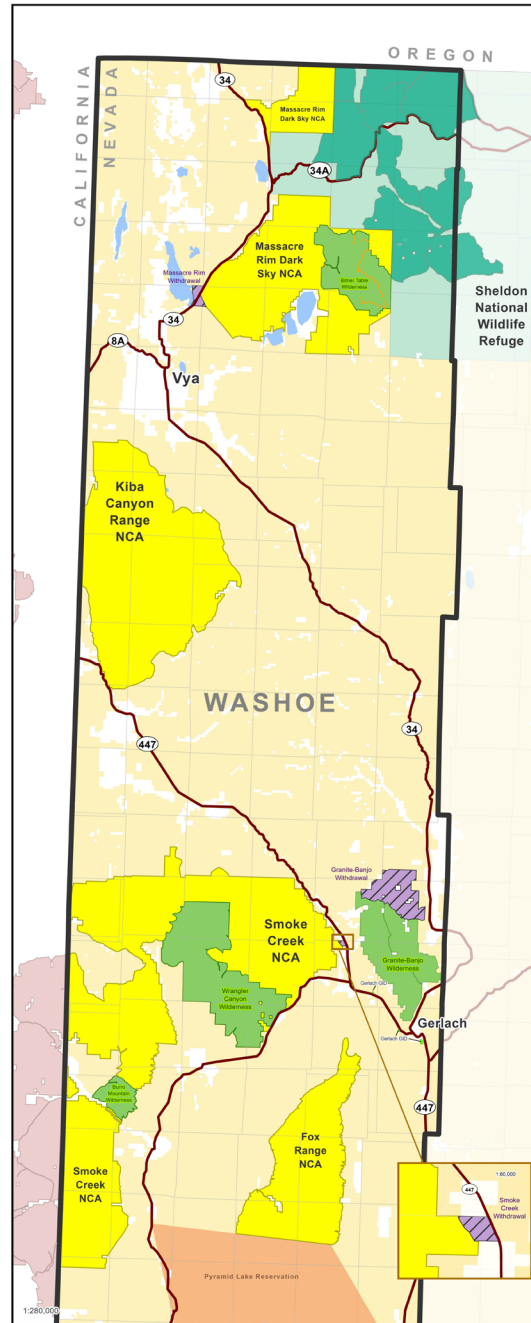
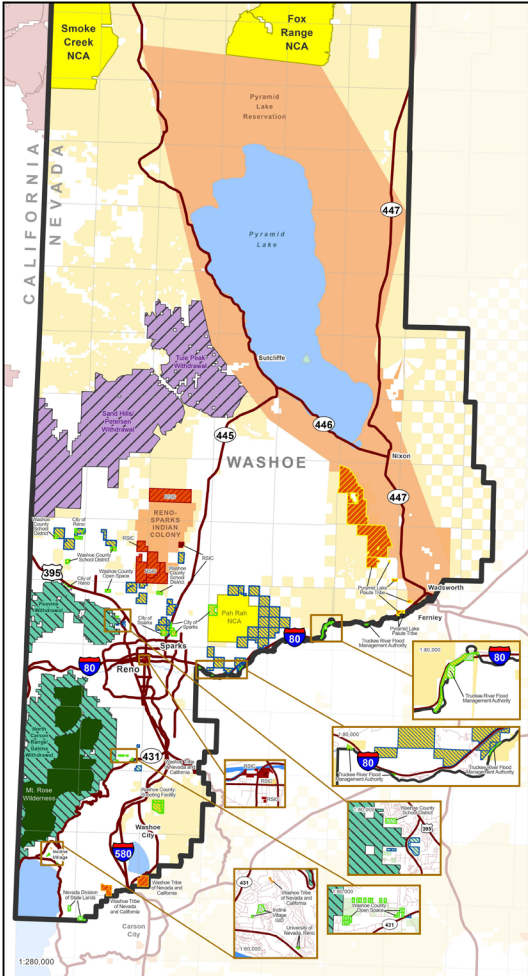
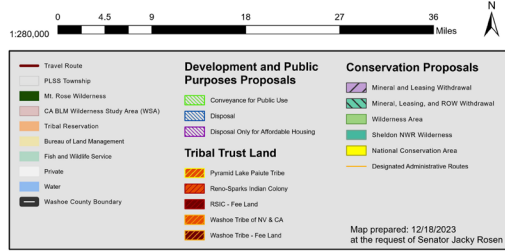
“Corporations that hold the rights to the ecological performance of a defined area and have the authority to manage the areas for conservation, restoration, or sustainable management.”

The exchange states that these rights could be licensed like other rights including “run with the land” rights such as mineral rights, water rights, or air rights[.]”

NAC Rule clearly conveys that ecological performance rights would be inclusive of public lands stating:

“If the NAC has entered into a license agreement with respect to public lands, shares representing at least 50% of the shares of the NAC’s outstanding shares as of the closing of the IPO must be distributed to local communities.” (FR at 68815)

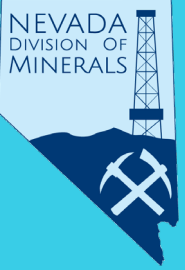
Truckee Meadows Public Lands Management Act: Proposed Development and Conservation



TRUCKEE MEADOWS PUBLIC LANDS MANAGEMENT ACT

- 1,053,895 acres proposed for withdrawal within the act including wilderness and NCA designations
- NCA's and wilderness overlap existing WSA designations but not entirely
- It is not clear if WSAs become NCA/WSA and if the "leftover" WSA designations stay "as is". There is no specification of any WSA release (but read this again)

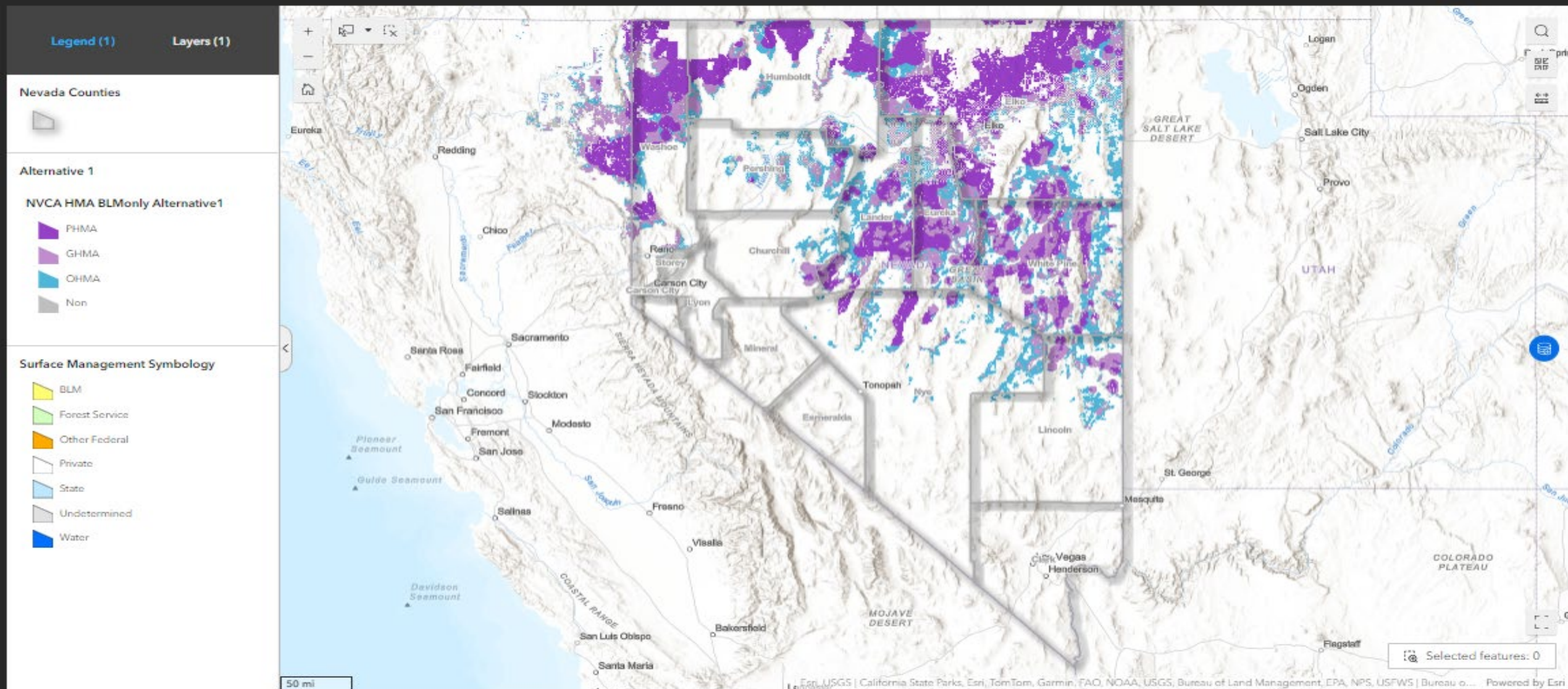
CEQ Proposed NEPA Rule



- Letter submitted – Governor's office
- Waiting on Final draft
- Proposal to increase permitting time
- Lack of regulatory stability disastrous for economic Development (need confidence and certainty in NEPA)
- Increases opportunities for litigation
Will result in Economic impacts to local economies
- Allows for projections and assumptions to be acceptable forms of environmental analysis
- Requires more information with a smaller overall document size



Alternative 6

[View Web Apps](#)

Greater Sage-Grouse ARMPA

Alternative 1

- 2015 HMA Boundaries (18.6 M Ac*)
- Includes SFA and withdrawal recommendation

Alternative 2

- **No Action Alt.**
- 2015 HMA Boundaries (18.6 M Ac*)

Alternative 3

- 2024 HMA Boundaries (28.8 M Ac*)
- Rec. Withdrawal of ALL 28.9 M Ac
- ACEC designation (11.1 M Ac)

Alternative 4

- 2024 HMA Boundaries (28.8 M Ac*)
- More restrictions on Mitigation and less flexibility for fluid mineral and disturbance caps.

Alternative 5

- Preferred Alt.
- 2024 HMA Boundaries (25.7 M Ac*)
- Fewer restrictions on Mitigation opportunities and more exceptions to fluid mineral stipulations and disturbance cap.

Alternative 6 (No Action)

- Same as 5 but ACEC (11.1 M Ac)

*Acres in table from GIS layers/calculated geometries, these differ from what is presented in the DEIS. Acres calculated from polygons they provided are more than reported and I clipped layer to NV.

	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Alternative 6
PHMA Acres	8,776,534	8,776,535	28,832,640	13,520,905	13,346,013	13,346,013
GHMA Acres	5,251,272	5,251,272	na	10,463,914	8,365,034	8,365,034
OHMA Acres	4,680,395	4,680,395	na	4,847,822	3,696,901	3,696,901
Total Acres	18,708,201	18,708,201	28,832,640	28,832,640	25,407,948	25,407,948
PHMA MINING CLAIMS (MC)	42,928	42,928	123,359	60,771	60,439	60,439
PHMA NOTICES (EN)	49	49	159	51	51	51
PHMA EXPLORATION PLANS (EP)	20	20	45	26	26	26
PHMA MINE PLAN (MP)	27	27	83	37	35	37
PHMA Active Mines	7	7	27	12	12	12
GHMA MINING CLAIMS (MC)	30,323	30,323	na	42,076	35,852	35,852
GHMA NOTICES (EN)	42	42	na	70	65	65
GHMA EXPLORATION PLANS (EP)	10	10	na	12	12	12
GHMA MINE PLAN (MP)	25	25	na	32	27	27
GHMA Mines	3	3	na	9	8	8
OHMA MINING CLAIMS (MC)	21,878	21,878	na	20,512	15,397	15,397
OHMA NOTICES (EN)	43	43	na	38	27	27
OHMA EXPLORATION PLANS (EP)	10	10	na	7	4	4
OHMA MINE PLAN (MP)	19	19	na	14	12	12
OHMA Mines	3	3	na	6	4	4
MC Locatable_RecWithdrawals	7,389	0	102,243	1,344	1,344	1,344
EP Locatable_RecWithdrawals	0	0	37	0	0	0
MP Locatable_RecWithdrawals	1	0	66	0	0	0
EN Locatable_RecWithdrawals	8	0	130	0	0	0
Mine Site Locatable_RecWithdrawals	0	0	14	0	0	0
ACEC Acres	na	na	11,139,472	na	na	11,139,472
ACEC Mines	na	na	5	na	na	5
ACEC Mining Claims (MC)	na	na	30,844	na	na	30,844
ACEC Notices (EN)	na	na	28	na	na	28
ACEC Exploration Plans (EP)	na	na	19	na	na	19
ACEC Mine Plans (MP)	na	na	20	na	na	20

123456 US INC	AURIUS RESOURCES LLC	BUCKHORN MINES CO	CORTEZ JOINT VENTURE	EVELAND VENTURES LLC
1266443 BC LTD	AUSTIN AMERICAN CORPORATION	BUCKSKIN NATIONAL MINE	CORTUS PROPERTIES LLC	F W LEWIS INC
1304562 NEVADA LTD.	B&C SPRINGS, LLC	BUENA VISTA EXPL CO	CORUS ACQUISITION CORP	FAIRMILE GOLD MINING INC
2 DOG LANDS LLC	BADE FLATS LLC	BUENA VISTA JOINT VENTURE	CP HOLDINGS CORP	FALCON BUTTE AMERICA LLC
2JSBRCS FOLLY	BAKER HUGHES DRILLING FLUIDS	BULLION MONARCH CO	CP RESOURCES CORPORATION	FELMONT OIL CORP
369 DEGREE PERSPECTIVE TRUST	BAKER HUGHES INTEQ	CALAVERA EXPLORATION LLC	CRDG ENTERPRISES, INC.	FLORIDA CANYON MINING INC
89301 LLC	BAKER HUGHES OILFIELD OPERATIONS INC	CALIBRE MINING CORP	CRESTVIEW EXPLORATION INC	FMS LITHIUM CORPORATION
A U MINES INC	BAMCO EXPL INC	CALPORTLAND CO	CUN MINERAL INC	FOURTH & ONE LLC
ACREX MINERALS US INC	BARIUM INC	CAMBIOR EXPL USA INC	CV GOLD INC	FRANCO-NEVADA MIN CORP INC
AGNICO-EAGLE (USA) LTD	BAROID DRILLING FLUIDS INC	CAMECO US INC	CYPRESS HOLDINGS (NEVADA) LTD	FRANCO-NEVADA US CORP
AKANDA LLC	BARREL SPRINGS GOLD LLC	CARICO LAKE MINING CO	CYPRESS HOLDINGS NV INC	FRAZER CREEK EXPL CO
ALLEGiant GOLD (U.S.) LTD	BARRELL SPRINGS LLC	CARICO LAKE MINING LLC	CYPRUS GOLD EXPL CO	FRM MINERALS INC
ALMADEX AMERICA INC	BARRICK CORTEZ INC	CARLIN GOLD US INC	DA VENDA GOLD CORP	FRONTEER DEVELOPMENT LLC
ALMADEX MINERALS LTD	BARRICK CORTEZ LLC	CARLIN TREND MINING SERVICES	DAVID C AND DEBRA J KNIGHT LIVING TRUST	FRONTEER DEVELOPMENT USA INC
ALPINE EXCAVATING CO	BARRICK GOLD EXPL CO	CASTELTON PARK LLC	DELMONT ASSOCIATES LLC	GALLI EXPL ASSOC
ALTAN RIO (US) INC	BARRICK GOLD EXPLORATION	CAT STRATEGIC (NEVADA) INC.	DELONG CONSTR & DRILLING	GENERAL MINERAL DEV CO
AMADOR MINING LLC	BARRICK GOLD US INC	CENTENNIAL MINERALS CO LLC	DESERT HAWK RESOURCES INC	GENESIS GOLD CORP
AMAX EXPL INC	BARRICK GOLDSTRIKE MINES INC	CENTENNIAL MINING	DESERT PACIFIC EXPLORATION INC	GENGOLD2 CO LLC
AMERICAN COLLOID CO	BARRICK TURQUOISE RIDGE INC	CENTURY GOLD LLC	DESERT STRIKE RESOURCES US INC	GEOLOGIX (US) INC
AMERICAN INNOVATIVE MINERALS LLC	BASIN AND RANGE RESOURCES LLC	CHACHAS LAND CO INC	DIG DEEP MINING LLC	GEONOMICS INC
AMERICAN MINING CLAIMS LLC	BATTLE MOUNTAIN GOLD USA INC	CIRRUS MOON LLC	DIG M EXCAVATION SERVICES INC	GETCHELL GOLD NEVADA INC
AMERICAN PACIFIC MINING (US) INC	BAXTER SPRING MINING (US) CORP.	CLAN ALPINE MINING LLC	DISCOVERY HARBOUR RESOURCES USA LLC	GM SQUARED LLC
AMERICAN RUBY MINES (US) INC	BH MINERALS INC	CLEAR CANYON LLC	DORE METALS INC	GMV MINERALS (NEVADA) LLC
AMERICAN SELCO INC	BH MINERALS USA INC	CLOVER NEVADA II LLC	DOUDLES CREEK, INC.	GOLD ACQUISITION CORP
AMERICAN STANDARD EXPL	BIG BLUE NEVADA CORPORATION	CLOVER NEVADA LLC	DRESSER MAGCOBAR MINERALS	GOLD BULL RESOURCES CORP.
AMERICAN VANADIUM	BIG CASINO CORP	COEUR EXPLORATIONS INC	DUNBAR STONE CO INC	GOLD CREEK MINING CO
AMERICAS GOLD EXPLORATION INC	BLACK PHOENIX MINING 2 INC	COEUR MINING INC.	DYNASTY GOLD CORP	GOLD EXPRESS MINES INC
ANCHOR MINERALS INC	BLACKROCK GOLD CORP	COEUR ROCHESTER INC	EARTH'S PARTNERS LLC	GOLD PARK LTD
ANGLOGOLD USA EXPL INC	BLUE COPPER RESOURCES CORP	CONCORD MINERALS	ECM INC	GOLD RANGE COMPANY LLC
ANGOLD RESOURCES (US) LTD.	BLUE MESA LLC	CONTACT GOLD CORP	EGAN MINES LLC	GOLD REEF INTERNATIONAL INC
ANOVA METALS USA LLC	BLUE RIDGE GOLD LLC	CONTL LIME INC	ELEM BATTLE MOUNTAIN LLC	GOLD RESOURCES OF NEVADA
ANTELOPE CREEK GOLD CORP	BONANZA VENTURES	CONVERGENT MINING LLC	ELIJAH A TURNER	GOLD STANDARD VENTURES (US) INC
AQUARIAN MINING EXPL INC	BONAVENTURE NEVADA INC	CONVERSE RESOURCES LLC	ELKHORN GOLD EXPLORATION LLC	GOLD STANDARD VENTURES CORP
ARCHER CATHRO GEOLOGICAL (US) LTD.	BOND GOLD	COPPER ONE USA INC	ELORDIETA ENTERPRISE	GOLD STANDARD VENTURES US INC
ARTEMIS EXPLORATION CO	BRANCOTE US INC	COPPER ONE USA INC.	ELY DISTRICT OFFICE	GOLDCORP DEE LLC
ATLAS GOLD MINING INC	BRAVO ALASKA INC	COPPER RESOURCE GROUP (US) CORP	ENDEAVOUR USA CORP	GOLDEN ARROW MINING CORP
ATOKA GOLD CORP	BRAVO VENTURE GROUP INC	CORAL RESOURCES INC	ENEXCO INTERNATIONAL INC	GOLDEN EAGLE MINES LLC
AU LLC	BREAKTHROUGH MINING SERVICES, LLC	CORDERO MINE INC	EP MINERALS LLC	GOLDEN GRYPHON USA INC
AU PROPERTIES LLC	BRONCO CREEK EXPLORATION INC	CORDEX EXPL CO	ETERNAL AND FRATERNAL ORDER OF HSC (HEBRON)	GOLDEN HILL MINING LLC
AU-REKA GOLD CORPORATION	BROWNSTONE VENTURES (U.S.) INC	CORTEZ GOLD MINES	EUREKA MOLY LLC	GOLDEN INDEPENDENCE MINING CORP

GOLDEN LAKE NEVADA INC	HOSPAH HOLDINGS COMPANY	KRAKEN ENERGY CORP	MILLENNIAL DEVELOPMENT LLC	NEVADA GOLD MINES LLC
GOLDEN OASIS EXPLORATION	HOT SPRINGS RESOURCES CORP	KRAKEN ROCKS LLC	MILLENNIAL NV LLC	NEVADA GOLD VENTURES
GOLDEN PICK LLC	HUMBOLDT RANGE INC	KRUGERRAND LLC	MILLENNIAL RED CANYON	NEVADA GOLD VENTURES LLC
GOLDEN TREND RESOURCES INC	HYCROFT MINING HOLDING CORP	LA CUESTA INTERNATIONAL INC	MILLIARD GEOLOGICAL CONSULTING LLC	NEVADA IRON LLC
GOLDPLAY LLC	HYCROFT RESOURCES & DEVLOPMENT	LAC MINERALS (USA) LLC	MIN-AD INC	NEVADA MINE PROPERTIES II INC
GOLDWEDGE LLC	HYGRADE GOLD COMPANY LTD	LAKE MOUNTAIN MINING LLC	MINERAL EXPLORATION SERVICES LTD	NEVADA MINE PROPERTIES INC
GOODSPRINGS EXPLORATION LLC	IBERIAN OCCIDENTAL MINING LLC	LAMARCK RESOURCES INC.	MINEX LLC	NEVADA NORTH RESOURCES (USA) INC
GRAYMONT INC	IDA GOLD CORPORATION	LAPPIN LLC	MINEX RESOURCES INC	NEVADA PACIFIC GOLD (US) INC
GRAYMONT WESTERN US INC	IDAHO RESOURCES CORPORATION	LAZY OLD MEN MINING CO LLC	MINNOVA US INC	NEVADA ROYALTY CORP
GRE INC	IGX MINERALS LLC	LE MONT EXPLORATION LLC	MINQUEST INC	NEVADA SELECT ROYALTY INC
GREAT BASIN GOLD INC	ILLIPAH MINING LLC	LEEVILLE HOLDCO LLC	MINQUEST LTD	NEVADA SUNRISE LLC
GREAT BASIN RESOURCES INC	IMCO SERVICES	LEWIS NEVADA MINERALS LLC	ML NEVADA CORP	NEVADA URANIUM CORP
GREAT LAKES EXPLORATION	INFIELD MINERALS NEVADA INC	LHOIST NORTH AMERICA OF ARIZONA INC	MONITOR GOLD CORP	NEVADA VANADIUM LLC
GREEN VISTA LLC	INMINING LLC	LITHAUR INC.	MORELLA CORPORATION	NEVGOLD USA INC
GRID BATTERY METALS USA INC	INTERMONT RESOURCES LLC	LITHIUM CORP	MORIAH ENTERPRISES	NEW GOLD NEVADA
GRP ELAND LLC	IONE GOLD MINING COMPANY	LITHIUM NEVADA CORP	MOUNT HOPE MINES INC	NEW SKY LLC
GRP GOLD ROCK LLC	IRON MINERS INC	LITHIUM VALLEY HOLDINGS CORP	MOUNTAIN CITY TRUST	NEWMONT MINING CORPORATION
GRP PAN LLC	ISM RESOURCES NEVADA CORP	LITTLE JUPITER MNG	MOUNTAIN GOLD CLAIMS LLC	NEWMONT USA LTD
GRP PINYON LLC	IV SUBSIDIARY CORPORATION	LODESTAR MANAGEMENT GROUP LLC	MP MINING ENTERPRISES LLC	NEWMONT USA LTD DBA NMC
GRU RESOURCES CORP	IVANHOE GOLD CORP	LOGAN RESOURCES USA INC	MS DEVELOPMENT LLC	NEWRANGE GOLD COMPANY LLC
GRYPHON CORPORATION	IVANHOE JOINT VENT	LONE MOUNTAIN ZINC LTD	MSM RESOURCE LLC	NEXGEN MINING INC
GT SUBSIDIARY CORP	IVY MINERALS INC	M HOLDINGS NEVADA CORP	MT HAMILTON LLC	NORMANDY OPERATIONS (USA), LLC
GULLSIL, LLC	JACEE LAND HOLDINGS LLC	MADISON ENTERPRISES (NEVADA) INC.	MT HOPE MINING CORP	NORTH EXPLORATION LLC
H & M MINING LLC	JERRITT CANYON GOLD LLC	MAJUBA HILL LLC	MT MORIAH STONE QUARRIES LLC	NORTH PEAK (NEVADA) LTD
HALLELUJAH PARTNERS LLC	JERRITT GOLD CANYON	MANTA MINERALS CORP	NAMMCO PRTRNSHP	NORTH PEAK RESOURCES LTD.
HALLIBURTON	JL GEO LLC	MARIGOLD MINING CO	NATCHEZ PASS LLC	NORTH POINT EXPLORATION
HALLIBURTON ENERGY SERVICE INC	JUMPING JACK LLC C/O KENNETH BERG	MARSHALL EARTH RES	NATIONAL GOLD MINING CORP	NORTH STAR MINES LLC
HAWKSTONE NEVADA INC	K V PROJECT LLC	MARSHALL EXPL INC	NATIONAL MINES CO LTD	NORTHERN NEVADA AU INC
HECLA MC SUBSIDIARY LLC	KATTENHORN MINES LLC	MAVERICK SILVER INC	NATIONAL OILWELL VARCO	NOVO RESOURCES USA CORP
HI TECH EXPLORATION LTD LLC	KENNECOTT EXPLORATION CO	MAVERIX METALS (NEVADA) INC.	NEEDLES HOLDINGS INC	NPGUS LLC
HIGH DESERT GEMS AND MINERALS INC.	KG MINING (BALD MOUNTAIN) INC	MCEWEN MINING INC	NEEDLES HOLDINGS LLC	NQ HOLDINGS INC
HIGH DESERT GOLD EXPLORATION LLC	KG MINING (ROUND MTN) INC	MCEWEN MINING NEVADA INC	NEV PROSPECT LLC	NUCOR INC
HIGH DESERT MINERAL RES INC	KINROSS GOLD USA INC	MECK-TEC INC	NEVADA ALASKA MINING CO INC	NULEGACY GOLD CORP
HIGHTEST RESOURCES LLC	KINROSS GOLDBANKS MINING CO	MERIDIAN JERRITT CANYON CORP	NEVADA CEMENT CO	NUTRITIONAL ADDITIVES CORP
HIGHWAY 50 GOLD US CORP	KINSLEY GOLD LLC	MERRIMAN STEEL INC	NEVADA CEMENT COMPANY LLC	NV GOLD CORP USA
HILLCREST MIN CO	KINSLEY RESOURCES INC	METALLIC VENTURES US INC	NEVADA DRILLING FLUIDS	NV GOLD CORPORATION
HISTORIC MINES LLC	KLONDEX GOLD & SILVER MINING CO	METALS EXPLORATION INC	NEVADA EAGLE RESOURCES LLC	OAKLEY VENTURES USA CORP
HITECH MINERALS INC.	KLONDEX HOLLISTER MINE INC	METALS SEARCH LLC	NEVADA ELLSWORTH GOLD LLC	OBJECTIVE EXPLORATION LLC
HOG RANCH MINERALS, INC.	KLONDEX MIDAS OPERATIONS INC	MGC RESOURCES INC	NEVADA GOLD AND SILVER EXPLORATION LLC	OLINGHOUSE APEX LLC
HOMESTAKE MINING CO	KRAKEN ENERGY (NEVADA) CORP	M-I LLC	NEVADA GOLD DD LLC	OLINGHOUSE DEV CO

OMG HG LLC	RED MOUNTAIN MINING COMPANY	SILVER MEDICINE LLC	TRANS SUPERIOR RESOURCES INC
ORIGIN MINERALS EXPLORATION LLC	RED WIDOW MINING CO INC	SILVER ONE RESOURCES (USA) INC	TREND RESOURCES LLC
ORIGIN MINERALS LLC	RENAISSANCE EXPLORATION INC	SILVER PREDATOR US HOLDING CORP	TURQUOISE CANYON CORP
OSEC PETROLEUM INC	RENNTIGER RESOURCES USA LTD	SILVER STATE TOKEN	TUVERA EXPLORATION NEVADA, LLC
OSGOOD MINING COMPANY LLC	RICHMOND MOUNTAIN LLC	SILVER VIKING CORP	TYBO OWNERS LLC
OWYHEE EXPLORATION II LLC	RICK & KEEL MCCLINTICK LVG TRUST	SIO2 PARTNERS LLC	US COPPER LLC
PARAGON PRECIOUS METALS LLC	RIDGELINE MINERALS CORP	SKY DESERT MINING CORP	US GOLD ACQUISITION CORP
PARAMOUNT GOLD NEVADA CORP	RIDGELINE NEVADA SILVER CORPORATION	SLEEPER MINING CO LLC	US GOLD CORPORATION
PCI	RIO FORTUNA EXPL US INC	SLEEPING MIDAS LLC	US GYPSUM CO
PEDIMENT GOLD LLC	ROBINS 1 AND 2 LLC	SMITH & WOLFF 24 LLC	VAN NORMAN MINERALS LLC
PEGASUS RESOURCES INC	ROBINSON NEVADA MINING CO	SNOWSTORM EXPLORATION LLC	VEK ASSOCIATES
PERSHING GOLD CORP	ROCKY CANYON MINING CO	SOLARLJOS LLC	VEK/ANDRUS ASSOCIATES
PERSHING RESOURCES COMPANY	ROCKY MOUNTAIN GOLD INNOVATIONS INC	SOLIDUS RESOURCES, LLC	VICTORY EXPLORATION INC
PESCIO EXPLORATION LLC	ROCKY MOUNTAIN PROSPECTORS LLC	SOLORO COBALT & GOLD CORP	VISCOUNT NEVADA HOLDINGS LTD
PETER DILLES CONSULTING SERVICES INC	ROMAN GOLD LLC	SOUTHWEST LAND & MINERALS CORP	VX CORPORATION
PHILLIPS FAMILY TRUST	ROMIOS GOLD INC	SPRING VALLEY LITHIUM CORP	WC GOLD INC
PHOENIX CEMENT CO	ROMIOS GOLD NEVADA INC	SPRINGER MINING CO	WESTERN EXPLORATION LLC
PHOENIX JOINT VENTURE	ROUND MOUNTAIN GOLD CORP	SR MINERALS INC	WESTERN GOLD
PILOT GOLD (USA) INC	RRC EXPLORATION INC	SS US HOLDINGS INC	WESTERN GOLD EXPLORATION
PINSON MINING CO	RS GOLD LLC	SSR MINING	WESTERN MAGNESIUM CORP
PISHON LLC	RUBICON EXPLORER CORP	ST VINCENT MINERALS US INC	WESTERN MINERAL MINING LLC
PLACER PARADISE LLC	RUBICON RESOURCES INC	STAMPEDE METALS CORPORATION	WESTERN PROPERTY HOLDINGS LLC
PLATORO WEST INC	RUBY HILL MINING CO.	STEALTH PROPERTIES LLC	WESTGOLD INC
PORT MERCANTILE HOLDINGS LTD	RUBY VISTA RESOURCES LTD	SURGE BATTERY METALS USA INC	WHITE PINE METALS USA INC
PRECIOUS METALS CONGLOMERATE	RYE PATCH MINING US INC	TACOMA EXPL LLC	WILLOUGHBY & ASSOCIATES PLLC
PRIMUS RESOURCES LLC	SAGN LLC	TAGHMAN ACQUISITIONS, LLC	WINDFALL VENTURE
PROCHNAU JOHN & CO	SAPHIRA INC	TARGET MINERALS INC	WKGUS LLC
PRODUCTION EXPL RES	SC AND JZ SMITH FAMILY TRUST	TC SUBSIDIARY CORPORATION	WOLFPACK GOLD (NEVADA) CORP
PROGRESSIVE CONTRACTING INC	SCOONOVER EXPLORATION LLC	TECH INDUSTRIES LTD	WOLFPACK GOLD NEVADA CORP
PROJEM VENTURE INC	SEABRIDGE GOLD INC	TENNECO MINERALS CO	WONDER DISTRICT LLC
PYRAMID LAKE LLC	SEARCHLIGHT EXPLORATION LLC	TERRAWEST RESOURCES CORP	WRIGHT LAND COMPANY
QUANTUM BIT LLC	SECRET PASS GOLD INC	TERTIARY MINERALS US INC	WRIGHT MINERALS
QUICKSILVER PHENOMENON LLC	SECURE MINERALS USA LLC	TF MINERALS (USA) INC	ZENOLITH USA, LLC
RAINDROP VENTURES INC	SIENNA RESOURCES (US) CORP	THE INFINITY MINE LLC	
RANCHO GRANDE INC	SIENNA RESOURCES (US) INC	THE NATIONAL MINE LLC	
RANCHO SANTA FE	SIERRA DENALI MINERALS INC	TIMBERLINE RESOURCES CORP	
RANGEFRONT CONSULTING LLC	SIERRA LITHIUM LLC	TINYMINER'S MINERALS & EXPL	
RBH CO TRUST	SIERRA NEVADA GOLD (USA) INC	TOLSA USA INC.	
RC METALS INC.	SIERRA NEVADA GOLD USA INC	TONKIN SPRINGS JOINT VENTURE	
RED CANYON CORP	SILVER INTERNATIONAL INC	TONKIN SPRINGS LLC	

Greater Sage-Grouse ARMPA

Alternative 1

- 2015 HMA Boundaries (18.6 M Ac*)
- Includes SFA and withdrawal recommendation

Alternative 2

- **No Action Alt.**
- 2015 HMA Boundaries (18.6 M Ac*)

Alternative 3

- 2024 HMA Boundaries (28.8 M Ac*)
- Rec. Withdrawal of ALL 28.9 M Ac
- ACEC designation (11.1 M Ac)

Alternative 4

- 2024 HMA Boundaries (28.8 M Ac*)
- More restrictions on Mitigation and less flexibility for fluid mineral and disturbance caps.

Alternative 5

- **Preferred Alt.**
- 2024 HMA Boundaries (25.7 M Ac*)
- Fewer restrictions on Mitigation opportunities and more exceptions to fluid mineral stipulations and disturbance cap.

Alternative 6 (No Action)

- Same as 5 but ACEC (11.1 M Ac)

	Alternative 1	Alternative 2	Alternative 3	Alternative 4	Alternative 5	Alternative 6
PHMA Acres	8,776,534	8,776,535	28,832,640	13,520,905	13,346,013	13,346,013
GHMA Acres	5,251,272	5,251,272	na	10,463,914	8,365,034	8,365,034
OHMA Acres	4,680,395	4,680,395	na	4,847,822	3,696,901	3,696,901
Total Acres	18,708,201	18,708,201	28,832,640	28,832,640	25,407,948	25,407,948
PHMA Geothermal Leases	31	31	211	37	36	36
PHMA Oil Leases	52	52	214	72	72	72
GHMA Geothermal Leases	23	23	na	97	55	55
GHMA Oil Leases	63	63	na	88	79	79
OHMA Geothermal Leases	75	75	na	77	37	37
OHMA Oil Leases	70	70	na	54	38	38
ACEC Acres	na	na	11,139,472	na	na	11,139,472
ACEC Geothermal Leases	na	na	21	na	na	21
ACEC Oil Leases	na	na	18	na	na	18
Geothermal OpenMajor	27	31	1	32	32	34
Geothermal OpenMod	30	22	1	79	48	47
Geothermal Closed	0	0	162	6	6	6
OandG OpenMajor	46	52	1	57	57	59
OandG OpenMod	63	63	10	67	59	57
OandG Closed	0	0	161	0	0	0

*Acres in table from GIS layers/calculated geometries, these differ from what is presented in the DEIS. Acres calculated from polygons they provided are more than reported and I clipped layer to NV.

Geothermal Lease Customers

ASPECT HOLDINGS LLC
BASELOAD GEOTHERMAL LLC
BASELOAD POWER US HOLDINGS INC
BEOVAWE POWER LLC
CHINATI MINERALS LLC
CONSTANT HOLDING LLC
COPLAND CLEAN POWER LLC
CRITERION ENERGY PARTNERS
EARTH POWER RESOURCES INC
FLORIDA CANYON MINING INC
GRANT CANYON OIL & GAS LLC
HSS II LLC
HUMBOLDT HOUSE GEOTHERMAL LLC
IMPERIAL CORPORATION, LLC
KDS INVESTMENTS HOLDING LLC
LANGFORD HEATING AND POWER LLC
OM GEOTHERMAL LLC
ORMAT NEVADA INC
ORNI 15
ORNI 39 LLC
ORNI 43 LLC
PENTATHERM INC
PENTATHERM LLC
PHOTOSOL US LLC
PINION PINE HOLDING CO., INC.
PINON PINE HOLDING COMPANY INC
RASER POWER SYSTEMS LLC
RIVERSIDE MINERALS LLC
RODATHERM ENERGY CORPORATION
TLS GEOTHERMICS CORP
UNIONVILLE ROYALTY CO LLC
VELIKAN RENEWABLES LLC
WESTERN STATES ENVIRONMENT AND RESOURCES
ZANSKAR GEOTHERMAL & MINERALS INC

Oil/Gas Lease Customers

300 PLACES, LLC
ANTELOPE ENERGY CO LLC
AVIARA OIL & GAS, LLC
BTC ENERGY RESOURCES, LLC
CHAINMAN OIL & GAS LLC
DOLOMITE OIL
DOMAN CAPITAL PARTNERS INC
DY OIL LLC
FLAGG DIAMOND CORPORATION
GEYSER PETROLEUM INC.
GIIC INC
GRANT CANYON OIL & GAS LLC
GUND RANCH, LLC C/O DORSEY & WHITNEY TRUST CO
INTERWEST PETROLEUM CORP
KIRKWOOD RESOURCES LLC
LARRY R MOYER EXPLORATION LLC
LIBERTY PETROLEUM CORPORATION
MAGNUM PRODUCING LP
MAJOR OIL
MAJOR OIL INTERNATIONAL LLC
MAKOIL INC
ROY G BARTON SR & OPAL BARTON REVOCABLE TRUST
SILVER STATE OIL AND GAS
STEPHEN SMITH INC
WEST BAY EXPLORATION CO
WHITE PINE OIL & GAS LLC

The Utility-Scale Solar Energy Development PEIS/RMPA

Alternative Viewer - Web Applications

This data is what was provided on the [e-planning website](#), which you can also visit for more details and to view the DEIS. Sorry there isn't any select by location functionality, it is not supported with "complex" geometries. Maps this page will mirror extents and make spatial comparisons much easier.

[No Action Alternative](#) [Alternative 1](#) [Alternative 2](#) [Alternative 3 \(Preferred\)](#) [Alternative 4](#) [Alternative 5](#)

Legend (1)

Layers (1)

Nevada Counties



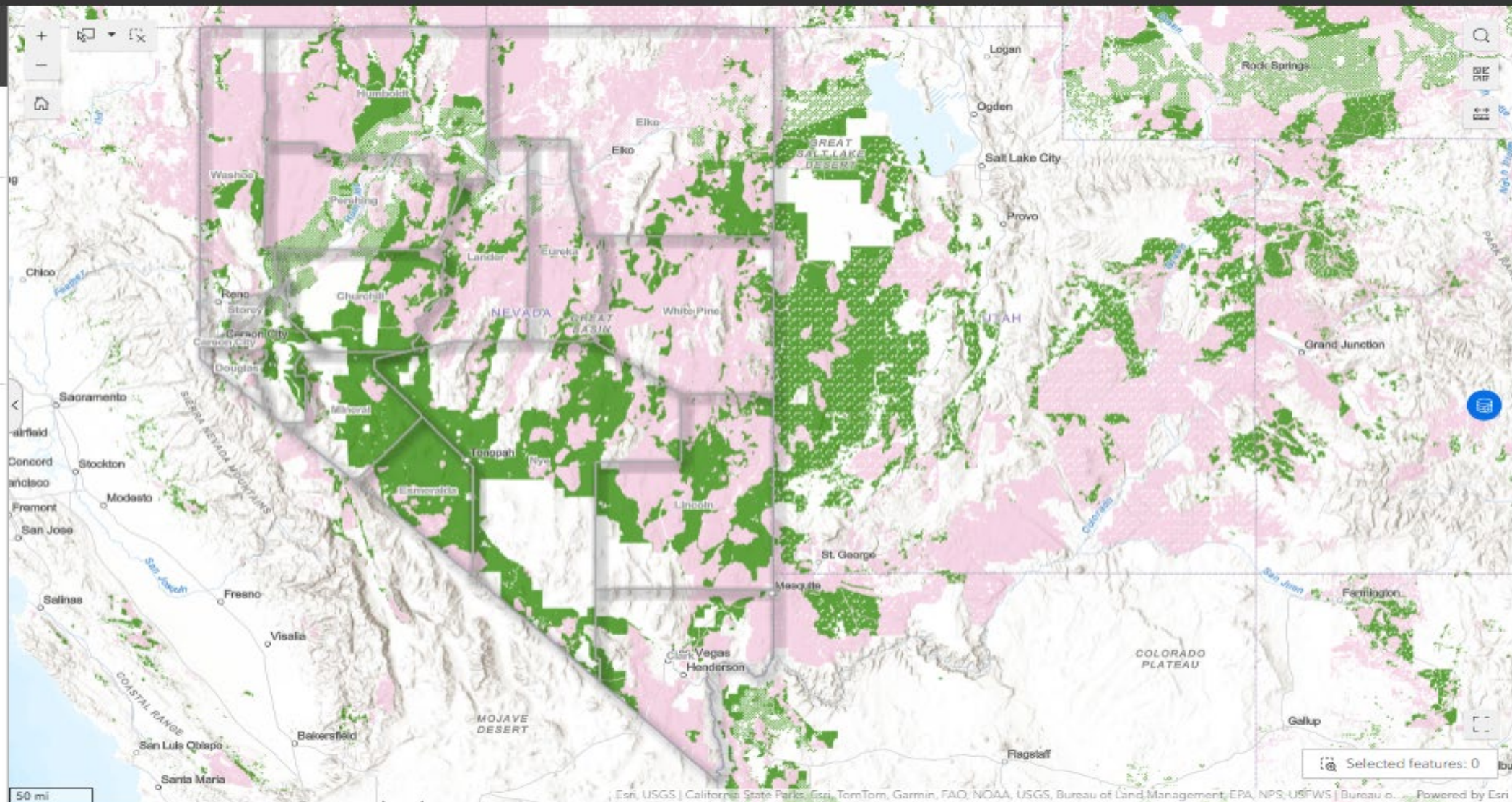
BLM DRAFT Solar PEIS Alternative 1 January 2024

BLM DRAFT Solar PEIS Alternative 1
January 2024

- BLM Lands Available for Application in Alternative 1
- BLM Resource Based Exclusion Areas in Alternative 1

Surface Management Symbology

- BLM
- Forest Service
- Other Federal
- Private
- State
- Undetermined
- Water



[View Web Apps](#)

2023/2024 Utility Scale Solar Energy Development PEIS/RMPA

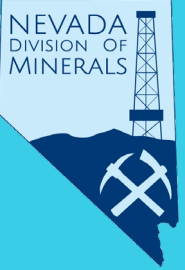
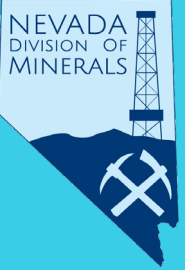


Table ES-1. Summary Description of the Action Alternatives for the 11-State Planning Area

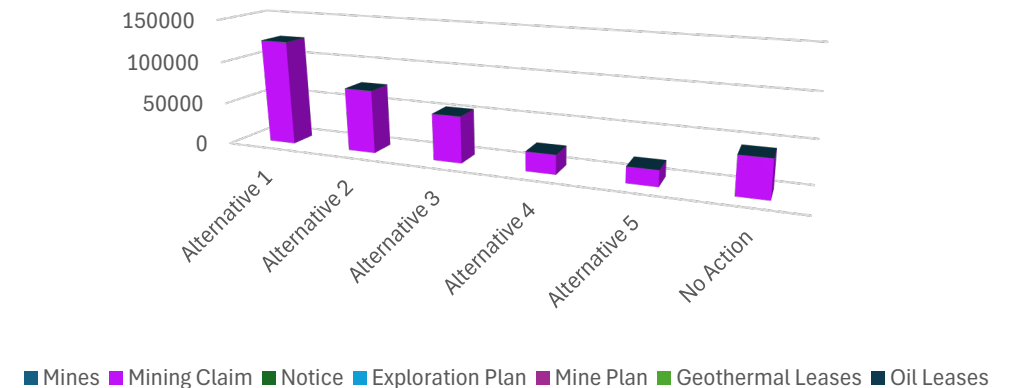
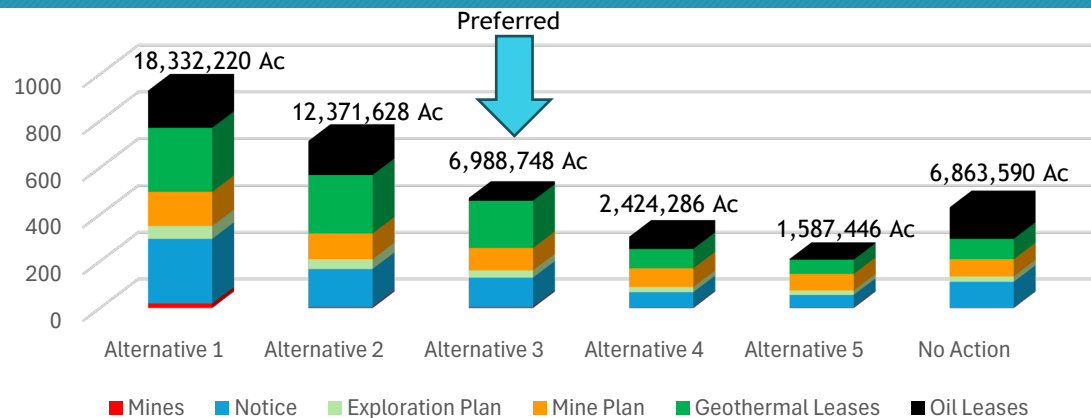
Action Alternative	Alternative 1 (Resource-Based Exclusions Only)	Alternative 2 (Resource-Based Exclusions and >10% Slope)	Alternative 3 (Transmission Proximity)	Alternative 4 (Previously Disturbed Lands)	Alternative 5 (Previously Disturbed Lands and Transmission Proximity)
What lands are available for application for solar energy development?	Solar application areas are all lands in 11-state planning area except for the excluded areas described below.	Solar application areas are lands in 11-state planning area except for the excluded areas described below.	Solar application areas are lands within 10 miles of existing and/or planned transmission lines ≥ 100 kV except for the excluded areas described below.	Solar application areas are previously disturbed lands (which have diminished resource integrity) except for the excluded areas described below.	Solar application areas are previously disturbed lands (which have diminished integrity) within 10 miles of existing and/or planned transmission lines ≥ 100 kV except for the excluded areas described below.
What lands are excluded from solar energy development?	<div>No slope-based exclusion</div> <div>10% Slope Exclusion applies to Alternatives 2-5 as a general resource protection measure.</div> <div>Resource-Based Exclusion Criteria (Table 1.1-3) are applied to all Action Alternatives. For example, exclusion criteria would prohibit solar energy development in all designated and proposed critical habitat areas for species protected under the ESA or in BLM National Conservation Lands.</div>				
What about remaining lands that are not solar application areas or excluded under resource-based exclusion criteria or the slope restriction?	Not applicable (no remaining lands)	Not applicable (no remaining lands)	No development outside of these areas. Remaining areas are excluded.		
Do design features apply to the solar application areas?	Design Features are applied to all Action Alternatives. Design features are project requirements incorporated into the alternatives to avoid, minimize, and/or compensate for adverse impacts. For example, an ecological design feature could require turning off all unnecessary lighting at night to limit attracting wildlife, particularly migratory birds.				

^a The 11-state planning area consists of Arizona, California (excluding the DRECP area), Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

2023/2024 Utility Scale Solar Energy Development PEIS/RMPA



On Lands Available for Solar Application	Alternative 1	Claimant/Customer	Alternative 2	Claimant/Customer	Alternative 3	Claimant/Customer	Alternative 4	Claimant/Customer	Alternative 5	Claimant/Customer	No Action	Claimant/Customer
Acres	18,332,220		12,371,628		6,988,748		2,424,286		1,587,446		6,863,590	
Mines	20	14	5	5	5	5	3	3	3	3	2	2
Mining Claim	123,212	678	73,752	526	53,950	396	22,266	309	18,312	233	43,501	364
Pending Exploration Notice	56	42	33	24	28	20	13	11	12	10	25	21
Authorized Exploration Notice	219	143	129	98	97	77	52	46	41	36	85	66
Pending Exploration Plan	14	13	12	11	8	8	5	5	4	4	9	9
Exploration Plan	41	36	30	29	23	22	17	16	15	14	14	13
Pending Mine Plan	54	48	43	37	36	31	24	21	21	19	37	31
Authorized Mine Plan	92	75	67	58	60	51	56	49	50	43	37	34
Geothermal Leases	274	61	250	57	202	55	83	37	61	32	87	35
Oil Leases	159	31	146	29	12	5	52	19	3	2	135	29



Thank you!

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minerals.nv.gov

ndomdata.com

miningclaim.org