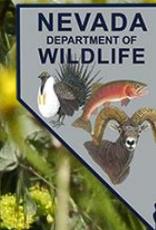


# Conservation Credit System Update



Sagebrush Ecosystem Council Meeting: April 19, 2024



# APRIL 2024 CCS HIGHLIGHTS TO DATE

Forty-eight mitigation transactions have been finalized through the CCS since inception of the program, conserving approximately 30,000 acres for at least a 30-year term.

Four mitigation transactions were finalized through the CCS so far in 2024. Several others pending.

The SETT intends on conducting site visits for several credit and debit projects to meet with proponents, answer questions, and establish/maintain relationships.

Several debit projects representing various industries are working towards their quantification of debits, either with fieldwork or moving forward with a desktop analysis.

Three debit projects were found out of compliance since February. We are currently working with two to rectify. Steps have been made to contact the third.

# 2024 CCS UPDATES • CCS MITIGATION TRANSACTIONS

## CREDITS TRANSFERRED OR SOLD

Credit Project	Acres Conserved	Debit Project	Credits Transferred or Sold	WAFWA Mgmt Zone	Population Mgmt Unit
Tumbling JR Ranch*	9,717	Bald Mountain Mine	2,514	III	Butte/Buck/White Pine, Diamond, South Fork, Ruby Valley
West IL Ranch*	6,279	Greater Phoenix Mine	243	IV	Desert
West IL Ranch*	Acres Included in other Transaction	Greater Phoenix Mine - Philadelphia Canyon	5	IV	Desert
Crawford Cattle - Sonoma	1,498	Coeur Rochester Mine	467	III	Sonoma
Crawford Cattle - Snowstorms	1,313	Coeur Rochester Mine	186	IV	Santa Rosa, Tuscarora
Crawford Cattle - Snowstorms	1,033	Baltazor Geothermal	292	IV	Santa Rosa, Tuscarora
Estill Ranch	346	Midas Exploration	22	V	Massacre
Crawford Cattle - Snowstorms	254	Avocado Exploration	44	IV	Santa Rosa, Tuscarora
Cottonwood Ranch	13	Newcrest Exploration Phase I	3	IV	O'Neil Basin
Heguy Ranch	26	Fish Springs Solar	59	IV	North Fork
Crawford Cattle - Snowstorms	Acres Included in other Transaction	Western Oil Exploration	5	IV	Santa Rosa, Tuscarora
Cottonwood Ranch	103	Jerritt Canyon Exploration	45	IV	O'Neil Basin
Cottonwood Ranch	Acres Included in other Transaction	Snow Canyon Mine Closure	2	IV	O'Neil Basin
West IL Ranch*	Acres Included in other Transaction	Twin Creeks Mine - Sage Tailings	35	IV	Desert
Crawford Cattle - Snowstorms	1,332	Tungsten Mountain Solar	5	IV	Santa Rosa, Tuscarora
Crawford Cattle - Snowstorms	Acres Included in other Transaction	Dixie Meadows Geothermal	104	IV	Santa Rosa, Tuscarora
Heguy Ranch	Acres Included in other Transaction	South Railroad Exploration	9	IV	North Fork
Heguy Ranch	Acres Included in other Transaction	Peterson Mountains Mine	1	IV	North Fork
Secret Pass Ranch	226	White Pine Hydropower Pump Exploration	9	III, IV	South Fork, Ruby Valley
Secret Pass Ranch	Acres Included in other Transaction	Cherry Creek Tower	3	III, IV	South Fork, Ruby Valley
Secret Pass Ranch	Acres Included in other Transaction	Round Springs Tower	3	III, IV	South Fork, Ruby Valley
Heguy Ranch	Acres Included in other Transaction	Lincoln Hill Exploration	9	IV	North Fork
Tumbling JR Ranch*	Acres Included in other Transaction	Round Mountain Mine	45	III	Butte/Buck/White Pine, Diamond, South Fork, Ruby Valley
Cottonwood Ranch	Acres Included in other Transaction	SW Energy Road	13	IV	O'Neil Basin
Mary's River Ranch	463	Big Ledge - Dry Creek Mine Closure	310	IV	O'Neil Basin
Estill Ranch	1,901	Western Lithium Mine	550	V	Massacre
Cottonwood Ranch	Acres Included in other Transaction	Baker Ranch Powerline	1	IV	O'Neil Basin
Heguy Ranch	3,397	Gold Bar South Mine	662	IV	North Fork
<b>TOTAL</b>	<b>27,902</b>	<b>-</b>	<b>5,646</b>	<b>-</b>	<b>-</b>

\* Indicates credit projects planned for internal transfers.

# 2024 CCS UPDATES • CCS MITIGATION TRANSACTIONS

## CREDITS TRANSFERRED OR SOLD

Credit Project	Acres Conserved	Debit Project	Credits Transferred or Sold	WAFWA Mgmt Zone	Population Mgmt Unit
Heguy Ranch	Acres Included in other Transaction	South Railroad Exploration	24	IV	North Fork
Heguy Ranch	Acres Included in other Transaction	Beehive Telephone Fiber Optic	2	IV	North Fork
Cottonwood Ranch	306	Gold Bar South Mine	127	IV	O'Neil Basin
Secret Pass Ranch	Acres Included in other Transaction	White Pine Hydropower Pump Exploration	6	III, IV	South Fork, Ruby Valley
Tumbling JR Ranch*	Acres Included in other Transaction	Bald Mountain Mine	462	III	Butte/Buck/White Pine, Diamond, South Fork, Ruby Valley
Owl Creek Ranch	631	Robinson Mine	201	III	South Fork
Owl Creek Ranch	Acres Included in other Transaction	Marigold - Valmy Mine	59	III	South Fork
Owl Creek Ranch	Acres Included in other Transaction	Great Basin Diamond 1-27 APD Exploration	5	III	South Fork
Crawford Cattle - Snowstorms	Acres Included in other Transaction	Crescent Valley Exploration	5	IV	Santa Rosa, Tuscarora
West IL Ranch*	Acres Included in other Transaction	Robertson Exploration One	7	IV	Desert
West IL Ranch*	Acres Included in other Transaction	Goldrush Mine	2,037	IV	Desert
West IL Ranch*	Acres Included in other Transaction	Goldrush Exploration	26	IV	Desert
East IL Ranch	486	Goldrush Mine	601	IV	Desert, Tuscarora
Owl Creek Ranch	607	Marigold - Valmy Mine	332	III	South Fork
Owl Creek Ranch	Acres Included in other Transaction	Green Springs Exploration	13	III	South Fork
Owl Creek Ranch	Acres Included in other Transaction	Golden Lake Exploration	6	III	South Fork
Owl Creek Ranch	Acres Included in other Transaction	Prospect Mine - Gullsil Expansion	12	III	South Fork
Owl Creek Ranch	Acres Included in other Transaction	North Peak Exploration	1	III	South Fork
West IL Ranch	Acres Included in other Transaction	TSPP Pipeline	4	IV	Desert
Owl Creek Ranch	Acres Included in other Transaction	Dodge Flat II Solar	1	III	South Fork
<b>TOTAL</b>	<b>2,029</b>	<b>-</b>	<b>3,931</b>	<b>-</b>	<b>-</b>
<b>TRANSACTIONS TOTAL</b>	<b>29,931</b>	<b>-</b>	<b>9,577</b>	<b>-</b>	<b>-</b>

- 19 credits transferred in total in 2024
- Several more transactions are pending, but not yet finalized

\* Indicates credit projects planned for internal transfers.

# 2024 CCS UPDATES • AVAILABLE & ANTICIPATED CREDITS

## CREDITS AVAILABLE FOR SALE OR TRANSFER

Credit Project	Credits Available	Acres	WAFWA Mgmt Zone	Population Mgmt Unit
Tumbling JR Ranch*	1,143	All Acres Conserved	III	Butte/Buck/White Pine, Diamond, South Fork, Ruby Valley
Cottonwood Ranch	638	685	IV	O'Neil Basin
West IL Ranch*	535	All Acres Conserved	IV	Desert
Crawford Cattle - Snowstorms	1,234	6,598	IV	Santa Rosa, Tuscarora
Estill Ranch	68	804	V	Massacre
RDD	740	1,094	V	Black Rock, Pine Forest
Eureka Livestock	1,742	1,623	III	Three Bar
Adobe Peak*	3,618	10,901	IV	North Fork
Humboldt Ranch - Hot Lake*	694	198	IV	Tuscarora
Humboldt Ranch – Toe Jam*	1,920	5,330	IV	Tuscarora
East IL Ranch*	8,272	23,235	IV	Desert, Tuscarora
Secret Pass Ranch	3,621	10,043	III, IV	South Fork, Ruby Valley
Owl Creek Ranch	2,299	4,125	III	South Fork
Foster Ranch	1,624	6,170	V	Black Rock
Pole Canyon Ranch	435	2,068	IV	Ruby Valley, South Fork
Mary's River Ranch	1,441	2,236	IV	O'Neil Basin
Zunino	2,195	3,217	III	South Fork
<b>TOTAL</b>	<b>32,219</b>	<b>78,327</b>	-	-

- Two new credit projects added 4,115 credits and 8,547 acres to the CCS
- One existing credit project added 24 credits via PJ removal

\* Indicates credit projects planned for internal transfers.

If a credit project that has mitigation transactions is also shown above, additional credits remain available for sale or transfer.

# 2024 CCS UPDATES • AVAILABLE & ANTICIPATED CREDITS

## CREDITS ANTICIPATED FOR SALE OR TRANSFER

Credit Project	Credits Anticipated**	Acres	WAFWA Mgmt Zone	Population Mgmt Unit
Washoe Livestock	TBD	799	V	Buffalo/Skedaddle
East IL Ranch*	TBD	23,721	IV	Desert, Tuscarora
Calico Mountain	TBD	5,120	IV	Santa Rosa
Little High Rock	TBD	322	V	Massacre
Fish Creek Ranch*	TBD	1,180	III	Diamond
Barnes Ranch	TBD	4,981	III	South Fork
Mary's River Ranch 2	TBD	54,833	IV	O'Neil Basin
Uhart Ranch	TBD	690	IV	O'Neil Basin
Halstead Forsgren Ranch	TBD	2,437	III	Quinn/Butte/Buck/White Pine
Saval Ranch	TBD	14,107	IV	North Fork, Tuscarora
<b>TOTAL</b>	<b>~30,000</b>	<b>108,190</b>	<b>-</b>	<b>-</b>
<b>AVAILABLE &amp; ANTICIPATED TOTAL</b>	<b>~63,000</b>	<b>186,517</b>	<b>-</b>	<b>-</b>

- ~8,000 newly anticipated credits (17,234 acres)

\* Indicates credit projects intended for internal transfers.

\*\* Estimated at this time.

Hyphens under acres indicate not the addition of acres, but soon-to-be completed uplift projects and the estimated additional credits from those actions.

# 2024 CCS UPDATES • STATUS OF UNMITIGATED DEBIT PROJECTS

## DEBITS OUTSTANDING/ANTICIPATED

Debit Project Name	Total Estimated Term Debits	County	Acres Direct Impact	WAFWA Mgmt Zone	Population Mgmt Unit
Bald Mountain Mine	2,356	White Pine	5,734	III	Butte/Buck/White Pine, South Fork, Ruby Valley
Western Lithium Mine	875	Humboldt	5,169	V	Lone Willow
Long Canyon Mine- Phase 2	1,676	Elko	815	III, IV	East Valley, Ruby Valley
Lone Tree Mine - Buffalo Mountain	271	Humboldt	4	III	Sonoma
Gibellini Mine	1,961	Eureka, Nye, White Pine	328	III	Diamond, Monitor
Pony Creek Exploration	131	Elko	150	III	South Fork
Relief Canyon Mine	33	Pershing	0	III	Humboldt
Carlin Vanadium Exploration	TBD	Elko	85	III	South Fork
National Exploration	28	Humboldt	37	IV	Santa Rosa
Jerritt Canyon Exploration	39	Elko	384	IV	Tuscarora, North Fork
Ruby Vista Road	2	Elko	2	III	South Fork
Big Ledge - Dry Creek Mine Closure	5	Elko	118	IV	Snake
South Railroad Exploration	41	Elko	126	III	South Fork
Prospect Mine - Gullsil Expansion	20	Eureka	28	III	Diamond
Rossi Mine	TBD	Elko	1,094	IV	Tuscarora
Gold Bar South Mine	1,372	Eureka	210	III	Three Bar
Juniper Mine Expansion	869	Elko, White Pine	2,300	III	Butte/Buck/White Pine, Ruby Valley, South Fork, Diamond
White Pine Hydropower Pump Storage	827	White Pine	860	III	Butte/Buck/White Pine, Schell/Antelope
Selena Exploration	128	White Pine	200	III	Butte/Buck/White Pine
Hog Ranch Mine	5,831	Washoe	456	V	Massacre
Greenlink North Powerline	TBD	Churchill, White Pine, Eureka	599	III	Clan Alpine, Desatoya, Reese River, Three Bar, Butte/Buck/White Pine
NGM Ore Railroad	2,926	Eureka, Lander, Elko	1,755	III, IV	Shoshone, Cortez, North Fork, South Fork, Tuscarora
Cross-Tie Powerline	TBD	White Pine	2,912	III	Butte/Buck/White Pine, Steptoe/Cave, Schell/Antelope, Spring/Snake Valley
North Ranch Tower	188	Eureka	1	III	Three Bar
<b>TOTAL</b>	<b>~28,000</b>	<b>-</b>	<b>23,366</b>	<b>-</b>	<b>-</b>

If a debit project is shown that has already had mitigation transactions, it has additional mitigation phases or offsets planned. Permanent debits are not shown above but number approximately 1,500 at this time for unmitigated projects.

# 2024 CCS UPDATES • STATUS OF UNMITIGATED DEBIT PROJECTS

## DEBITS OUTSTANDING/ANTICIPATED

Debit Project Name	Total Estimated Term Debits	County	Acres Direct Impact	WAFWA Mgmt Zone	Population Mgmt Unit
Limo Butte Exploration	26	White Pine	200	III	Butte/Buck/White Pine
McGuinness Hills Opt Solar & Exploration	13	Lander	235	III	Toiyabe
Mountain View Exploration	TBD	Washoe	400	V	Massacre
Pilot Peak Mine	TBD	Elko	228	III, IV	East Valley
Murdock Mountain Phosphate Exploration	2	Elko	15	IV	East Valley
Green Springs Exploration	62	White Pine	137	III	Butte/Buck/White Pine
Whirlwind Exploration	5	Lander	29	III	Shoshone
Hog Mountain Exploration	90	Washoe	187	V	Massacre
Cove Helen Underground Mine	TBD	Lander	283	III	Fish Creek
Crescent Valley Geothermal	TBD	Eureka, Lander	151	III	Shoshone, Cortez
NW Deeps Mine Expansion	1,056	Eureka, Lander	156	III	Shoshone, Cortez
Swift Exploration	TBD	Lander	200	III	Shoshone
Northern Nevada Lithium Exploration	TBD	Elko	3,221	IV	Gollaher
Wildcat Exploration	TBD	Pershing	194	III	Majuba 3
Dodge Flat II Solar Exploration	TBD	Washoe	9	V	Virginia/Pahrah
ConGen Robinson Solar Exploration	TBD	White Pine	0	III	Butte/Buck/White Pine
ConGen Robinson Wind Exploration	11,867	White Pine	11	III	Butte/Buck/White Pine
Aquilo Wind	TBD	White Pine	0	III	Spring/Snake Valley
<b>TOTAL</b>	<b>~10,000</b>	<b>-</b>	<b>5,256</b>	<b>-</b>	<b>-</b>
<b>UNMITIGATED TOTAL</b>	<b>~38,000</b>		<b>28,622</b>		

- Projects that have not started NEPA were not included in this table.
- Debits anticipated after CCS inclusion total ~32,500 debits
- Official unmitigated plus anticipated debits will total ~ 70,500

If a debit project is shown that has already had mitigation transactions, it has additional mitigation phases or offsets planned. Permanent debits are not shown above.

# SUMMARY

Current balances:

- ~63,000 credits (anticipated and available)
- ~70,500 debits (unmitigated and anticipated)

Unmitigated debits will surpass credits in the CCS

Will need to ramp up outreach to solicit credit projects on private land, and will need to pursue public land restoration



***Questions?***