Area Number (Exhibit E & F) Name Approved Area Actual Disturbed Area Actual Reclaimed (acres/year) Acres (acres/year) 1 Mine Dung* 30.00 13.36 13.36/2004 NR 2 Upper Mine Bench 3.00 0.74 0.74/2005 NR 3 Lower Mine 3.80 2.10 2.10/2003* NR 4 Research Mine 5.00 4.26 4.26/2004 NR 5 Old Surface Process Facility 3.00 1.82 1.82/1986 1.82/1986 6 Two Overflow 2.00 2.86 2.86/21986 2.86/2006 7 Equipment & 2.55 0.67 0.67/1986 0.67/1986 9 Power 0.75 0.75 0.75/1986 0.75/2006 10 Heio Pad 1.00 0.24 0.24/- NR* 11 Guard Gate Area Roads* 1.00 0.830 Not to be Rocial and Roads* 1.17/8/2005 8.12/1986 114 Old Transfer 0.5 0.5 0.5/<1998		Table 1. Reclamation Status at Logan Wash White, Watch 2022						
2 Upper Mine Bench 3.00 0.74 0.74/2005 NR 3 Lower Mine 3.80 2.10 2.10/2003 ^b NR 4 Reseach Mine 5.00 4.26 4.26/2004 NR 5 Old Surface 3.00 1.82 1.82/<1986 1.82/1986 6 Two Overflow 2.00 2.86 2.86/21986 2.86/2006 7 Equipment & 2.55 0.67 0.67/<1986 0.67/1986 7 Equipment & 2.55 0.67 0.67/<1986 0.75/2006 8 Ventilation Fan 1.30 0.41 0.41/1986 0.75/2006 9 Power 0.75 0.75 0.75/1986 0.75/2006 10 Helo Pad 1.00 0.24 0.24/- NR* 11 Guard Gate Area 5.00 8.30 Not to be reclaimed Roads* Transferred/1983 ^d 12 Met Tower 1.00 0.80 0.80/<1982 0.80/2006 13 Misc. Access Roads* 11.5		Name			Reclaimed			
''Bench ''Bench ''Bench 3 Lower Mine 3.80 2.10 2.10/2003 ^b NR 4 Research Mine 5.00 4.26 4.26/2004 NR 5 Old Surface 3.00 1.82 1.82/<1986	1	Mine Dump ^a	30.00	13.36	13.36/2004	NR		
3 Lower Mine Bench Bench and Bench a	2		3.00	0.74	0.74/2005	NR		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	3	Lower Mine	3.80	2.10	2.10/2003 ^b	NR		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	4	Research Mine	5.00	4.26	4.26/2004	NR		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	5	Old Surface	3.00	1.82	1.82/<1986	1.82/1986		
7 Equipment & Parts Storage 2.55 0.67 0.67/4986 0.67/1986 8 Ventilation Fan Site 1.30 0.41 0.41/1986 0.41/2006 9 Power 0.75 0.75 0.75/1986 0.75/2006 10 Helo Pad 1.00 0.24 0.24/- NR ^e 11 Guard Gate Area 5.00 8.30 Not to be reclaimed Transferred/1983 ^d 12 Met Tower 1.00 0.80 0.80/<1982	6	Two Overflow	2.00	2.86	2.86/<1986	2.86/2006		
8 Ventilation Fan Site 1.30 0.41 0.41/1986 0.41/2006 9 Power Substation 0.75 0.75 0.75 0.75/1986 0.75/2006 10 Helo Pad 1.00 0.24 0.24/- NR* 11 Guard Gate Area 5.00 8.30 Not to be reclaimed Transferred/1983 ^d 12 Met Tower 1.00 0.80 0.80/<1982	7	Equipment &	2.55	0.67	0.67/<1986	0.67/1986		
9 Power Substation 0.75 0.75 0.75/1986 0.75/2006 10 Helo Pad 1.00 0.24 0.24/- NR* 11 Guard Gate Area 5.00 8.30 Not to be reclaimed Transferred/1983 ^d 12 Met Tower 1.00 0.80 0.80/<1982	8	Ventilation Fan	1.30	0.41	0.41/1986	0.41/2006		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	9	Power	0.75	0.75	0.75/1986	0.75/2006		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	10		1.00	0.24	0.24/-	NR ^c		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	11	Guard Gate Area	5.00	8.30		Transferred/1983 ^d		
Roads ^e Image: Constraint of the second seco	12	Met Tower	1.00	0.80		0.80/2006		
14Oil Transfer Pipeline0.50.50.5/0.5/<19980.5/200615Heater/Treater3.002.962.96/19862.96/200616Microwave Tower1.000.110.11/<1998	13		11.5	15.58	11.78/2005	8.12/1986		
15 Heater/Treater 3.00 2.96 $2.96/1986$ $2.96/2006$ 16 Microwave Tower 1.00 0.11 $0.11/<1998$ $0.11/2006$ 17 Exhaust Stack 3.00 3.00 3.00 3.00 $3.00/2006$ 18 Logan Wash Road 55.55 53.43 Not to be reclaimed ^f 19 Surface Process Control 1.00 1.0 $1.0/<1998$ $1.0/2006$ 20 Top Soil Storage 0.5 0.25 $0.25/<1986$ $0.33/1986$ 21 Berm Material 0.25 0.33 $0.25/<1986$ $0.18/1986$ 22 Heater Treater Meteorological 0.18 0.18 $0.18/1986$ $0.18/1986$ B1-B10 Logan Wash Road Realign 6.0 6.0 $6.0/<1986$ $\sim 5.0/1986$ New Soil Barrow Area (2005) 2.0 0.65 $0.65/2005$ $0.65/2006$ 23 Evaporation Pond and Pineline 14.87 14.87 $5.07/<1986$ NR	14	Oil Transfer	0.5	0.5	0.5/<1998	0.5/2006		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	15		3.00	2.96	2.96/1986	2.96/2006		
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	16		1.00	0.11	0.11/<1998	0.11/2006		
Road reclaimed ^f 19 Surface Process 1.00 1.0 1.0/<1998	17		3.00	3.00	3.00	3.00/2006		
19 Surface Process Control 1.00 1.0 1.0/<1998 1.0/2006 20 Top Soil Storage 0.5 0.25 0.25/<1998	18	-	55.55	53.43				
20 Top Soil Storage 0.5 0.25 0.25/<1998 0.5/2006 21 Berm Material 0.25 0.33 0.25/<1986	19	Surface Process	1.00	1.0		1.0/2006		
$\begin{array}{c c c c c c c c c } 22 & Heater Treater \\ Meteorological \\ \hline Meteo$	20		0.5	0.25	0.25/<1998	0.5/2006		
Meteorological Meteorological Meteorological Meteorological B1-B10 Logan Wash Road Realign 6.0 6.0 6.0/<1986	21	Berm Material	0.25	0.33	0.25/<1986	0.33/1986		
B1-B10 Logan Wash Road Realign 6.0 6.0 6.0/<1986 ~5.0/1986 New Soil Barrow Area (2005) 2.0 0.65 0.65/2005 0.65/2006 23 Evaporation Pond and Pipeline 14.87 14.87 5.07/<1986	22		0.18-	0.18	0.18/<1986	0.18./1986		
New Soil Barrow Area (2005) 2.0 0.65 0.65/2005 0.65/2006 23 Evaporation Pond and Pipeline 14.87 14.87 5.07/<1986	B1-B10	Logan Wash	6.0	6.0	6.0/<1986	~5.0/1986		
23 Evaporation Pond and Pipeline 14.87 14.87 5.07/<1986 NR	New	Soil Barrow	2.0	0.65	0.65/2005	0.65/2006		
	23	Evaporation Pond and	14.87	14.87	5.07/<1986	NR		
	Total		157.75	135.17	59.84	29.41		

 Table 1. Reclamation Status at Logan Wash Mine, March 2022

Table 1 Notes: ^aThe Mine Dump area is to be reclaimed by establishing "vegetated islands"; the entire acreage will not be vegetated. ^bConducted hydromulch test on Lower Bench; ^cArea 10 was excavated for a pond for the landowner and is under reclamation; ^dArea 11 transferred to Chevron, not to be reclaimed; ^e See Table 2 for description of access roads, release is assumed;. ^f The original reclamation plan named the Logan Wash Road as disturbed acreage, but noted that it would not be reclaimed because the road serves as a main access road to BLM and private lands; NR = Not Released

Area	Estimated Disturbed Area	Acres Reclaimed (as of March 2015)	Acres Remaining to be Reclaimed
Mine Bench and Portal ^a	7.46	3.66	3.8
Old Surface Process	1.51	1.51	0.0
New Surface Process	2.17	2.17	0.0
Heater/Treater ^b	1.36	1.36	1.36
Beyond Microwave	2.33	2.33	0.0
Vicinity of the Microwave	0.75	0.75	0.0
Total	15.58	11.78	5.16ª

Table 2. Reclamation Status of Miscellaneous Access Roads, March 2022

^a Based on Upper Access Road and Lower Bench Road, and Upper Bench Road map measurements

^b Lower Access Road was under reclamation but unsuccessful due to cattle foraging. Road is still used to access Well LWCW-1A.

Monitoring Well ID	Abandonment Date	Status
LW-22A	TBD	Monitoring Suspended
LW-32	TBD	To be abandoned
LW-45	TBD	To be abandoned
LW-102	2007	Cement plugged
LW-103	TBD	To be abandoned
LW-104	2007	Cement plugged
LW-108	2005	Cement plugged
LW-112	2005	Cement plugged
LW-116	TBD	To be abandoned
LW-242	2005	Cement plugged
LW-243	2007	Cement plugged
LWCW-1A	TBD	Monitoring

Table 3. Well Abandonment Schedule, March 2022

Notes: TBD: to be determined

Area	Acreage	Area to be Requested for Release in 2022
1 – Mine Dump	13.4	Yes
2 – Upper Mine Bench	0.7	Yes
3 – Lower Mine Bench	2.1	No
4 – Research Mine Bench	4.3	Yes
10 – Helo Pad	0.2	Yes
Portions of Area 13*	10.9	Portions
Soil Barrow Area	0.7	Yes
Evaporation Pond	10.2	No
Total	42.5	

 Table 4. Summary of Unreclaimed Acreage at Logan Wash Mine, March 2022

*See Section 2.2

Table 5. Summary of Areas Under Reclamation at Logar	n Wash Mine, March 2022
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Area	Name	Estimated Acres	Revegetation Date
1*	Upper & Lower Mine	13.4	2003-2005
	Dump Faces		
2*	Upper Mine Bench	0.7	2004-2005
3	Lower Mine Bench	2.1	Natural revegetation
4*	Research Mine Bench	4.3	2003-2004
	& Dump		
10*	Helo Pad	0.2	Pre-2000
*	Soil Barrow Area	0.7	2004
Total		21.4	

* = Area anticipated for request for release in 2020

Table 6. Summary	v of Areas No	t Under Re	clamation at I	Logan Wasl	h Mine, March 2022
Table 0. Summar	y 01 micas 110	i Onuci Ke	ciamation at 1	uogan masi	i mine, march 2022

Area	Name	Estimated Acres
3	Lower Bench	2.1
13	Lower Bench Road	1.5
13	Upper Access Road	4.8
13	Evap. Pond Access	1.3
	Road	
23	Evaporation Pond &	10.2
	Pipeline	
13	Lower Access Road	1.8
Total		21.7

Acreage Status Category	Estimated Acreage
Total original disturbed/used acres	135.2
Acres not to be reclaimed (Logan Wash Road, Chevron land)	61.7
Total acres requiring reclamation	73.5
Total acres released to date	31.3
Total new disturbed acres this reporting period	0.0
Total new acreage under reclamation this reporting period	0.0
Total acres under reclamation to date	21.4
Total estimated acres not currently under reclamation	21.7
Total estimated reclaimed acres needing release	43.1

Table 7. Summary of Reclamation Status at Logan Wash Mine, March 2022

Table 8. Logan Wash Mine Site Monitoring Results, January 2021 to March 2022

	LW-002 ¹	LW-001 ²	Upper	Lower	
	Manometer	(L-1 Portal)	Manhole ³	Manhole ⁴	
Date	(inches)	(gpm)	(gpm)	(gpm)	Other
1/22/21	0.0	0.51	1.99	2.44	Conduct pond monitoring. Unable to access mine bench by vehicle. Hike to mine from Lower Access Road
3/3/21	0.0	0.49	1.85	2.65	Conduct mine and pond monitoring. Ran diagnostics on Krohne flow meter (LW- 001)
3/18/21					Monitoring of accessible low elevation facilities.
4/28/21	0.0	0.57	1.89	2.52	Conduct mine and pond monitoring. Settling Pond sump dry.
5/5/21	NM	0.66	NM	2.18	Semi-annual sampling event.
5/6/21		0.65			Krohne flow meter diagnostics.
5/10/21	0.0		2.38	2.39	Pond Leak Detection Vault is dry. Evap and Settling Pond sumps dry.
5/24/21	NM	0.77			Dismantle, clean Krohne flowmeter.
6/28/21	0.0	0.59	2.35	2.19	<i>P. debilis</i> status survey with CNAP and BLM. Leak Detection Vault is dry.
7/21/21	"0.0"	0.60	2.31	2.07	Evap. Pond sumps dry. Vac out Upper, Lower Manholes, plus others.
8/30/21	NM	0.56	2.11	2.25	Conduct mine and pond monitoring.
9/30/21	NM	0.62	2.05	2.33	Conduct mine and pond monitoring. Mine clean up irrigation pipe.
10/20-21/21		0.65		2.10	Semi-annual sampling event.
10/25/21	NM	0.61	1.94	2.49	Mine clean-up irrigation pipe, etc. 1.69 ft water in Settling Pond sump.
11/22/21	0.0	0.84	2.22	2.33	Conduct mine and pond monitoring. Pump Settling Pond sump.
12/6/21		0.88			High wall inspection. Vault & weather station footprints.
12/21/21	0.0	0.63	2.04	2.27	Conduct mine and pond monitoring. Pump Settling Pond sump, approx. 4 gal.
1/20/22	NM	NM	NM	2.59	Conduct pond monitoring.
3/3/22	NM	NM	NM	2.40	Conduct pond monitoring.

Table 4 Notes: LW-002 discharge originates at the Research Mine portal, the manometer measures head behind a concrete dam inside the sealed adit.

² LW-001 discharge originates at the L-1 portal of Logan Wash Mine and during the reporting period discharged into the Infiltration Trench. All measurements recorded by electronic flowmeter display.

³ Upper Manhole is located on Retort Water Pipeline in Logan Wash approximately 3000 ft down drainage of the Lower Dump.

⁴ Lower Manhole is located on Retort Water Pipeline immediately north of Evaporation Pond.

NM = not measured