

Appendix F

Facility Characteristics Forms and Estimated Costs by Location

**Chino Closure/Closeout
Facility Characteristics Form**

Triangle Stockpile

Function	Waste rock deposit stockpile
Location Characteristics	Southeast of South Stockpile Drains toward South Dump Regional depth to groundwater is less than 75 feet Medium upwind fetch, medium downwind fetch
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Non-leach
Existing Engineering Measures	None yet

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	81.53
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$356,732
Top/Outslope Adjustment Grading²	\$1,779,123
Rip, Seed & Mulch, Reveg³	\$67,181
Channels & Benches⁴	\$99,911
Other⁵	\$0
Capital Cost Totals	\$2,302,946
Capital Cost/Acre	\$28,245

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

South Stockpile

Function	Leach and Waste rock stockpile
Location Characteristics	Southwest of Main Pit Possible runoff from undisturbed hillslope to south No downstream issues Regional depth to groundwater is less than 75 feet, direction of flow is to Upper Whitewater Creek and Main Pit Limited upwind fetch, limited to downwind fetch
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	No leach on extreme southern and northeast portions, Leach on remainder
Existing Engineering Measures	Pregnant leach solution (PLS) and stormwater collection system, toe control systems All top surfaces bermed

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	584.60
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$2,885,955
Top/Outslope Adjustment Grading²	\$25,724,715
Rip, Seed & Mulch, Reveg³	\$481,693
Channels & Benches⁴	\$3,142,704
Other⁵	\$0
Capital Cost Totals	\$32,235,067
Capital Cost/Acre	\$55,140

All costs based on Telesto reclamation cost estimate (March 2019).

- 1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation
- 2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover
- 3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching
- 4 Channels & Benches includes bench channels, downdrains, benches
- 5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

West Stockpile

Function	Ore stockpile/Waste rock stockpile
Location Characteristics	West of Main Pit No upstream issues Pre-existing downstream drainage into Hanover and former Santa Rita Creeks Regional depth to groundwater is less than 75 feet, direction of flow is to Hanover Creek and Main Pit Medium upwind fetch, medium downwind fetch
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Eastern portion leach, western portion non-leach
Existing Engineering Measures	PLS and stormwater collection system, toe control systems Interceptor wells, all top surfaces bermed

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	626.43
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$4,621,914
Top/Outslope Adjustment Grading²	\$12,316,669
Rip, Seed & Mulch, Reveg³	\$516,159
Channels & Benches⁴	\$2,526,479
Other⁵	\$130,734
Capital Cost Totals	\$20,111,955
Capital Cost/Acre	\$32,106

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Lampbright Stockpile

Function	Leach Ore stockpile
Location Characteristics	East of Main Pit North Diversion Channel to the north Pre-existing downstream drainage into Lampbright Draw Regional depth to groundwater is less than 5 feet to greater than 100 feet, direction of flow is to Lampbright Draw and Main Pit Medium upwind fetch, medium downwind fetch In Mimbres Basin drainage
Construction Method	End dumped Top surface bermed for leaching
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Leach
Existing Engineering Measures	PLS and stormwater collection system, toe control systems, North Diversion Channel All top surfaces bermed

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	785.37
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$6,954,185
Top/Outslope Adjustment Grading²	\$25,612,852
Rip, Seed & Mulch, Reveg³	\$647,123
Channels & Benches⁴	\$4,677,856
Other⁵	\$0
Capital Cost Totals	\$37,892,017
Capital Cost/Acre	\$48,247

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Southwest Lampbright Stockpile

Function	Waste rock stockpile
Location Characteristics	Southwest of Main Lampbright stockpile Runon from hillside to the west Pre-existing downstream drainage into Lampbright Draw (Tributary 1) Regional depth to groundwater is less than 5 feet to greater than 100 feet, direction of flow is to Lampbright Draw Medium upwind fetch, medium downwind fetch
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Non-leach
Existing Engineering Measures	Bermed, graded, and watered for dust control

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	94.30
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$801,195
Top/Outslope Adjustment Grading²	\$826,593
Rip, Seed & Mulch, Reveg³	\$77,698
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$1,705,486
Capital Cost/Acre	\$18,086

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

South and East In-Pit Stockpiles

Function	Waste rock stockpile
Location Characteristics	No upstream issues No downstream issues Main pit dewatering capture zone controls regional groundwater level and flow direction
Construction Method	End dump
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders. Inside Santa Rita Open Pit
Leach Status	None
Existing Engineering Measures	None

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	46.00
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$437,234
Top/Outslope Adjustment Grading²	\$5,622
Rip, Seed & Mulch, Reveg³	\$37,903
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$480,759
Capital Cost/Acre	\$10,451

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Northwest Stockpile

Function	Waste rock stockpile
Location Characteristics	Northwest of Main Pit No upstream issues No downstream issues Regional depth to groundwater is greater than 75 feet, direction of flow is to Hanover Creek and Main Pit Medium upwind fetch, medium downwind fetch
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Non-leach
Existing Engineering Measures	Toe control systems All top surfaces bermed

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	8.22
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$66,625
Top/Outslope Adjustment Grading²	\$2,400
Rip, Seed & Mulch, Reveg³	\$6,772
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$75,797
Capital Cost/Acre	\$9,222

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Lee Hill Stockpile

Function	Waste rock stockpile
Location Characteristics	North side of Chino Pit Drains to Chino Pit Regional depth to groundwater is less than 5 feet to greater than 100 feet, direction of flow is to Chino Pit Medium upwind fetch, medium downwind fetch
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Non-leach
Existing Engineering Measures	Bermed, graded, and watered for dust control

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	25.41
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$199,126
Top/Outslope Adjustment Grading²	\$4,311
Rip, Seed & Mulch, Reveg³	\$20,934
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$224,370
Capital Cost/Acre	\$8,831

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Northeast Stockpile

Function	Stockpile
Location Characteristics	Northeast of Main Pit No downstream issues Regional depth to groundwater is less than 100 feet, direction of flow is toward Main Pit
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Non-leach
Existing Engineering Measures	Stormwater collection system, toe control systems Interceptor wells, all top surfaces bermed

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	12.25
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$128,097
Top/Outslope Adjustment Grading²	\$2,078
Rip, Seed & Mulch, Reveg³	\$10,091
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$140,266
Capital Cost/Acre	\$11,453

All costs based on Telesto reclamation cost estimate (March 2019).

- 1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation
- 2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover
- 3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching
- 4 Channels & Benches includes bench channels, downdrains, benches
- 5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

North Stockpile

Function	Ore stockpile
Location Characteristics	North of Main Pit No upstream issues No downstream issues Regional depth to groundwater is less than 15 feet to greater than 200 feet, direction of flow is toward Main Pit Medium upwind fetch, medium downwind fetch
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Non-leach
Existing Engineering Measures	Stormwater collection system, toe control systems All top surfaces bermed

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	6.91
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$66,651
Top/Outslope Adjustment Grading²	\$1,172
Rip, Seed & Mulch, Reveg³	\$5,692
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$73,516
Capital Cost/Acre	\$10,641

All costs based on Telesto reclamation cost estimate (March 2019).

- 1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation
- 2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover
- 3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching
- 4 Channels & Benches includes bench channels, downdrains, benches
- 5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

STS2

Function	Borrow Source Stockpile
Location Characteristics	South of Main Pit, south of South Stockpile Runon from hillslopes No downstream issues Regional depth to groundwater is greater than 75 feet, direction of flow is to the Main Pit Medium upwind fetch, medium downwind fetch
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Non-leach
Existing Engineering Measures	Toe control systems All top surfaces bermed

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	83.78
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$0
Top/Outslope Adjustment Grading²	\$50,884
Rip, Seed & Mulch, Reveg³	\$69,030
Channels & Benches⁴	\$44,917
Other⁵	\$0
Capital Cost Totals	\$164,831
Capital Cost/Acre	\$1,967

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Upper South Stockpile

Function	Borrow Source Stockpile
Location Characteristics	South of Main Pit, southeast of South Stockpile Runon from hillslopes Reservoir 3A to the south No downstream issues Regional depth to groundwater is greater than 75 feet, direction of flow is to the Main Pit Medium upwind fetch, medium downwind fetch
Construction Method	End dumped
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity
Leach Status	Non-leach
Existing Engineering Measures	Toe control systems All top surfaces bermed

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	142.66
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$0
Top/Outslope Adjustment Grading²	\$252,561
Rip, Seed & Mulch, Reveg³	\$117,547
Channels & Benches⁴	\$38,632
Other⁵	\$0
Capital Cost Totals	\$408,741
Capital Cost/Acre	\$2,865

All costs based on Telesto reclamation cost estimate (March 2019).

- 1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation
- 2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover
- 3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching
- 4 Channels & Benches includes bench channels, downdrains, benches
- 5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

9 Waste Rock Stockpile

Function	Stockpile for waste rock removed during mining of Santa Rita Open Pit
Location Characteristics	
Construction Method	End dumped
Physical Characteristics	Coarse grained High saturated hydraulic conductivity
Leach Status	Non-leach
Existing Engineering Measures	Stormwater management

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	161.20
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$779,568
Top/Outslope Adjustment Grading²	\$55,143
Rip, Seed & Mulch, Reveg³	\$132,824
Channels & Benches⁴	\$517,999
Other⁵	\$0
Capital Cost Totals	\$1,485,534
Capital Cost/Acre	\$9,215

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Dams and Reservoirs

Function	Store process, stormwater, and impacted stormwater throughout the site
Location Characteristics	Various
Construction Method	Concrete, Various (some earthen, most lined, compacted earthen dams)
Physical Characteristics	Various sizes
Leach Status	Non-leach
Existing Engineering Measures	Pumps, gauges, spillways

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	15.64
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$110,835
Top/Outslope Adjustment Grading²	\$28,487
Rip, Seed & Mulch, Reveg³	\$13,497
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$152,819
Capital Cost/Acre	\$9,771

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Groundhog No. 5 Stockpile

Function	Waste rock stockpile
Location Characteristics	South facing slope in Lucky Bill Canyon No upstream issues No downstream issues
Construction Method	End dumped
Physical Characteristics	Fine to coarse grained
Leach Status	Non-leach
Existing Engineering Measures	None

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	2.00
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$4,601
Top/Outslope Adjustment Grading²	\$0
Rip, Seed & Mulch, Reveg³	\$1,648
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$6,249
Capital Cost/Acre	\$3,125

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Miscellaneous North Mine Areas

Function	Cost includes the Northwest haul road, Upper South disturbed area, East Pit Access disturbed area, Chino Part of Cobre haul road, Highway to Heaven haul road and the Filter plant
Location Characteristics	North Mine Area
Construction Method	End dumped, Graded and compacted in place
Physical Characteristics	Range in size from very fine (silt and clay) to very large boulders High saturated hydraulic conductivity, Compacted
Leach Status	Non-leach
Existing Engineering Measures	Various, Runon controls, berming on top surface, Watering for dust control, stormwater management

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	61.19
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$417,462
Top/Outslope Adjustment Grading²	\$5,928
Rip, Seed & Mulch, Reveg³	\$63,143
Channels & Benches⁴	\$10,645
Other⁵	\$0
Capital Cost Totals	\$497,178
Capital Cost/Acre	\$8,125

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Unplanned Future Disturbance

Function	Miscellaneous 200-acre area added to the cost of reclamation
Location Characteristics	North Mine Area
Construction Method	
Physical Characteristics	
Leach Status	
Existing Engineering Measures	

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	200.00
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$1,105,051
Top/Outslope Adjustment Grading²	\$34,128
Rip, Seed & Mulch, Reveg³	\$164,794
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$1,303,973
Capital Cost/Acre	\$6,520

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Axiflo

Function	Initiated 1919
Location Characteristics	Runon from Tailing Ponds 2, B, and 4 No downstream issues Depth to groundwater is greater than 75 feet, direction of flow is south Low upwind fetch, medium downwind fetch
Construction Method	Earthen dam
Physical Characteristics	Not applicable
Leach Status	Not applicable
Existing Engineering Measures	Undergoing closure

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	97.10
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$951,854
Top/Outslope Adjustment Grading²	\$16,092
Rip, Seed & Mulch, Reveg³	\$80,005
Channels & Benches⁴	\$24,416
Other⁵	\$0
Capital Cost Totals	\$1,072,368
Capital Cost/Acre	\$11,044

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Tailing Pond 6 West & East

Function	Tailing deposition Inactive since 1961 (TP 6W), Inactive since 1988 (TP 6E) Temporary disposal of excess water in unreclaimed area Approximately 330 acres reclaimed previously
Location Characteristics	Runon from Tailing Pond 4, runoff to Tailing Pond 7 Regional depth to groundwater is greater than 75 feet, direction of flow is south Medium upwind fetch, medium downwind fetch In Mimbres Basin drainage (TP 6E)
Construction Method	Upstream
Physical Characteristics	Fine to coarse grained Low to medium saturated hydraulic conductivity
Leach Status	Not applicable
Existing Engineering Measures	Outslopes modification project, dust cover

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	261.66
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$3,601,520
Top/Outslope Adjustment Grading²	\$43,114
Rip, Seed & Mulch, Reveg³	\$215,598
Channels & Benches⁴	\$166,449
Other⁵	\$0
Capital Cost Totals	\$4,026,681
Capital Cost/Acre	\$15,389

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Tailing Pond 7

Function	Tailing deposition Active since 1988
Location Characteristics	Runon from Tailing Pond 6 East and 6 West, inflow from groundwater interceptor wells, no downstream issues, Regional depth to groundwater is greater than 75 feet, direction of flow is south Medium upwind fetch, medium downwind fetch
Construction Method	Upstream, cyclone application
Physical Characteristics	Fine to coarse grained Low to medium saturated hydraulic conductivity
Leach Status	Not applicable
Existing Engineering Measures	Interceptor well system, seepage collection sump Whitewater Creek diversions, dust cover capping on outslope

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	1660.48
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$22,264,535
Top/Outslope Adjustment Grading²	\$273,602
Rip, Seed & Mulch, Reveg³	\$1,368,187
Channels & Benches⁴	\$1,158,722
Other⁵	\$0
Capital Cost Totals	\$25,065,046
Capital Cost/Acre	\$15,095

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Miscellaneous South Mine Areas

Function	Costs include; Slag Pile, tailing pond 1, tailings pond 2, tailings pond B, tailings pond C, tailings pond 4, 35 Acre Miscellaneous area.
Location Characteristics	Chino south mine area
Construction Method	End dumped
Physical Characteristics	Coarse materials, light density
Leach Status	Non-leached
Existing Engineering Measures	Control stormwater

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	60.26
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$421,745
Top/Outslope Adjustment Grading²	\$6,975
Rip, Seed & Mulch, Reveg³	\$49,636
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$478,356
Capital Cost/Acre	\$7,938

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

White House

Function	Cover material source
Location Characteristics	North of the Santa Rita Open Pit
Construction Method	Naturally placed
Physical Characteristics	Non-acid generating cover material
Leach Status	Not applicable
Existing Engineering Measures	Grazing

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	62.51
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$0
Top/Outslope Adjustment Grading²	\$0
Rip, Seed & Mulch, Reveg³	\$59,145
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$59,145
Capital Cost/Acre	\$946

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Borrow Area F

Function	Cover material source
Location Characteristics	Adjacent to tailings facilities and north mine stockpiles
Construction Method	Naturally placed
Physical Characteristics	Gila Conglomerate
Leach Status	Not applicable
Existing Engineering Measures	Grazing

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	49.62
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$0
Top/Outslope Adjustment Grading²	\$0
Rip, Seed & Mulch, Reveg³	\$46,946
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$46,946
Capital Cost/Acre	\$946

All costs based on Telesto reclamation cost estimate (March 2019).

- 1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation
- 2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover
- 3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching
- 4 Channels & Benches includes bench channels, downdrains, benches
- 5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

North of Borrow Area F

Function	Cover material source
Location Characteristics	Adjacent to tailings facilities and north mine stockpiles
Construction Method	Naturally placed
Physical Characteristics	Gila Conglomerate
Leach Status	Not applicable
Existing Engineering Measures	Grazing

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	67.89
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$0
Top/Outslope Adjustment Grading²	\$0
Rip, Seed & Mulch, Reveg³	\$64,238
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$64,238
Capital Cost/Acre	946

All costs based on Telesto reclamation cost estimate (March 2019).

- 1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation
- 2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover
- 3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching
- 4 Channels & Benches includes bench channels, downdrains, benches
- 5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Borrow Area E

Function	Cover material source
Location Characteristics	Adjacent to tailings facilities and north mine stockpiles
Construction Method	Naturally placed
Physical Characteristics	Gila Conglomerate
Leach Status	Not applicable
Existing Engineering Measures	Grazing

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	109.97
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$0
Top/Outslope Adjustment Grading²	\$0
Rip, Seed & Mulch, Reveg³	\$104,052
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$104,052
Capital Cost/Acre	\$946

All costs based on Telesto reclamation cost estimate (March 2019).

- 1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation
- 2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover
- 3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching
- 4 Channels & Benches includes bench channels, downdrains, benches
- 5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Borrow Area H

Function	Cover material source
Location Characteristics	Adjacent to tailings facilities and north mine stockpiles
Construction Method	Naturally placed
Physical Characteristics	Gila Conglomerate
Leach Status	Not applicable
Existing Engineering Measures	Grazing

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	165.16
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$0
Top/Outslope Adjustment Grading²	\$0
Rip, Seed & Mulch, Reveg³	\$156,271
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$156,271
Capital Cost/Acre	\$946

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

West of Borrow Area E and H

Function	Cover material source
Location Characteristics	Adjacent to tailings facilities and north mine stockpiles
Construction Method	Naturally placed
Physical Characteristics	Gila Conglomerate
Leach Status	Not applicable
Existing Engineering Measures	Grazing

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	502.04
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$0
Top/Outslope Adjustment Grading²	\$0
Rip, Seed & Mulch, Reveg³	\$475,028
Channels & Benches⁴	\$0
Other⁵	\$0
Capital Cost Totals	\$475,028
Capital Cost/Acre	\$946

All costs based on Telesto reclamation cost estimate (March 2019).

- 1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation
- 2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover
- 3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching
- 4 Channels & Benches includes bench channels, downdrains, benches
- 5 Other includes well installation/closure, and seepage collection/interceptor trench installation

**Chino Closure/Closeout
Facility Characteristics Form**

Upper South and White House Haul Road

Function	Cover material source
Location Characteristics	Haul road from Upper South and White House to Lampbright and Southwest Lampbright
Construction Method	Naturally placed
Physical Characteristics	Non-acid generating cover material
Leach Status	Not applicable
Existing Engineering Measures	Grazing

**Matrix of Costs
Capital Cost/Facility**

Reclaimed Acres	27.54
Item	Capital Cost
Cover Material Excav, Haul, Grade¹	\$0
Top/Outslope Adjustment Grading²	\$3,366
Rip, Seed & Mulch, Reveg³	\$22,690
Channels & Benches⁴	\$0
Other⁵	\$649,820
Capital Cost Totals	\$675,875
Capital Cost/Acre	\$24,544

All costs based on Telesto reclamation cost estimate (March 2019).

1 Cover Material includes dozer assist, load, haul, grade cover, and water truck and motor grader for road maintenance and dust control during reclamation

2 Top/Outslope Adjustment Grading includes rough grading and ripping before placing cover

3 Revegetation includes ripping, scarifying, discing, drill speeding, mulching, crimping, per diem, mobilization, seeding, and mulching

4 Channels & Benches includes bench channels, downdrains, benches

5 Other includes well installation/closure, and seepage collection/interceptor trench installation