

ATTACHMENT #4 - Cultural Resource Sites Update

Table 1 below updates the status of the Cultural Resource inventory sites as of end of August 2021 and also identifies any mitigation work done in the previous year (before September 13, 2021), and the planned mitigation work for the following year (August 2021 to August 2022). This table updates Table 3.3-1 from the Black Butte Copper Final EIS document (MT DEQ, 2020).

Table 1. List of Cultural Resources Identified within the Survey Area that: (a) were mitigated and disturbed in the previous year, and (b) sites to be mitigated and disturbed in the following year from Aug. 2021 to Aug. 2022 (updated Table 3.3-1 from the Final EIS).

Site Number	Site Type	Potential Impacts	NRHP Recommendation	Mitigated and Disturbed in the Previous Year ⁽¹⁾	Sites to be Mitigated and Disturbed in the Following Year (Aug. 2021 - Aug. 2022)
Isolate 1	Prospect Pit	Avoided	Not Eligible	ND	No
Isolate 2	Prospect pit	Avoided	Not Eligible	ND	No
24ME0158	Historic Log Structure	Avoided	Not Eligible	ND	No
24ME0159	Historic Mining	Avoided	Not Eligible	ND	No
24ME0160	Lithic Scatter	Avoided	Unevaluated, further testing required to determine eligibility	ND	No
24ME0161	Lithic Scatter	Avoided	Unevaluated, further testing required to determine eligibility	ND	No
24ME0162	Lithic Scatter	Avoided	Unevaluated, further testing required to determine eligibility	ND	No
24ME0163	Lithic Scatter	Impact (Phase 1 access road)	Eligible under Criterion D	Mitigated in 2020, then disturbed as part of Phase 1 Construction	YES, but already mitigated.
24ME0164	Lithic Scatter	Impact (PWP)	Unevaluated, further testing required to determine eligibility	ND	YES
24ME0165	Lithic Scatter	Impact (PWP)	Unevaluated, further testing required to determine eligibility	ND	YES
24ME0166	Lithic Scatter	No Impact	Tested, not eligible	Disturbed in 2020 (no mitigation required) ⁽²⁾ .	No

24ME0925	Historic Road-Sheep Creek	No Impact	Not Eligible	ND	No
24ME0936	Historic Road-Butte Creek	No Impact	Not Eligible	ND	No
24ME0940	Historic Homestead	Avoided	Not Eligible	ND	No
24ME1104	Historic Shepherd's Cairn	Avoided	Eligible under Criterion C	ND	No
24ME1105	Lithic Scatter	Impact (PWP and Diversion Ditch)	Tested, eligible under Criterion D	ND	YES
24ME1106	Lithic Scatter	Avoided	Unevaluated, further testing required to determine eligibility	ND	No
24ME1107	Lithic Scatter	Impact (Alluvial UIG pipeline)	Unevaluated, further testing required to determine eligibility	ND	YES
24ME1108	Lithic Scatter	Impact (Wet well pipeline from NCWR to Alluvial UIG; and Alluvial UIG pipeline)	Unevaluated, further testing required to determine eligibility	ND	YES
24ME1109	Lithic Scatter	Impact (Road to portal pad)	Tested, eligible under Criterion D	Mitigated in 2020, then disturbed as part of Phase 1 Construction	YES, but already mitigated.
24ME1110	Lithic Scatter	Impact	Tested, not eligible	Disturbed in 2020 (no mitigation required) ⁽²⁾ .	No
24ME1111	Sheep Creek Surface Stone Quarry District	Impact (Several Mine Facilities)	Eligible under Criterion D	Mitigated in 2020, then disturbed as part of Phase 1 Construction	YES, but already mitigated.
24ME1135	Coon Creek Irrigation Ditch	No Impact	Not Eligible	ND	No
24ME1136	Sheep Creek Irrigation Ditch	Avoided	Not Eligible	ND	No

NOTES: ⁽¹⁾ Those cultural resource sites that were mitigated prior to Phase 1 development construction activities are documented in the Kleinfelder 2021 report. If the cultural site is impacted by the planned mine facilities, the specific facility is listed in red text and noted in parentheses for each impacted cultural site. An 18.3 m (60-foot) wide no disturbance buffer is required around each cultural resource inventory site and is identified as "impacted" if the 18.3 m wide no disturbance zone is impacted.

⁽²⁾ See April 2020 Tetra Tech report (no mitigation of cultural site required).

ND = Not Disturbed

Figure 1 shows the locations of the cultural resource inventory sites.

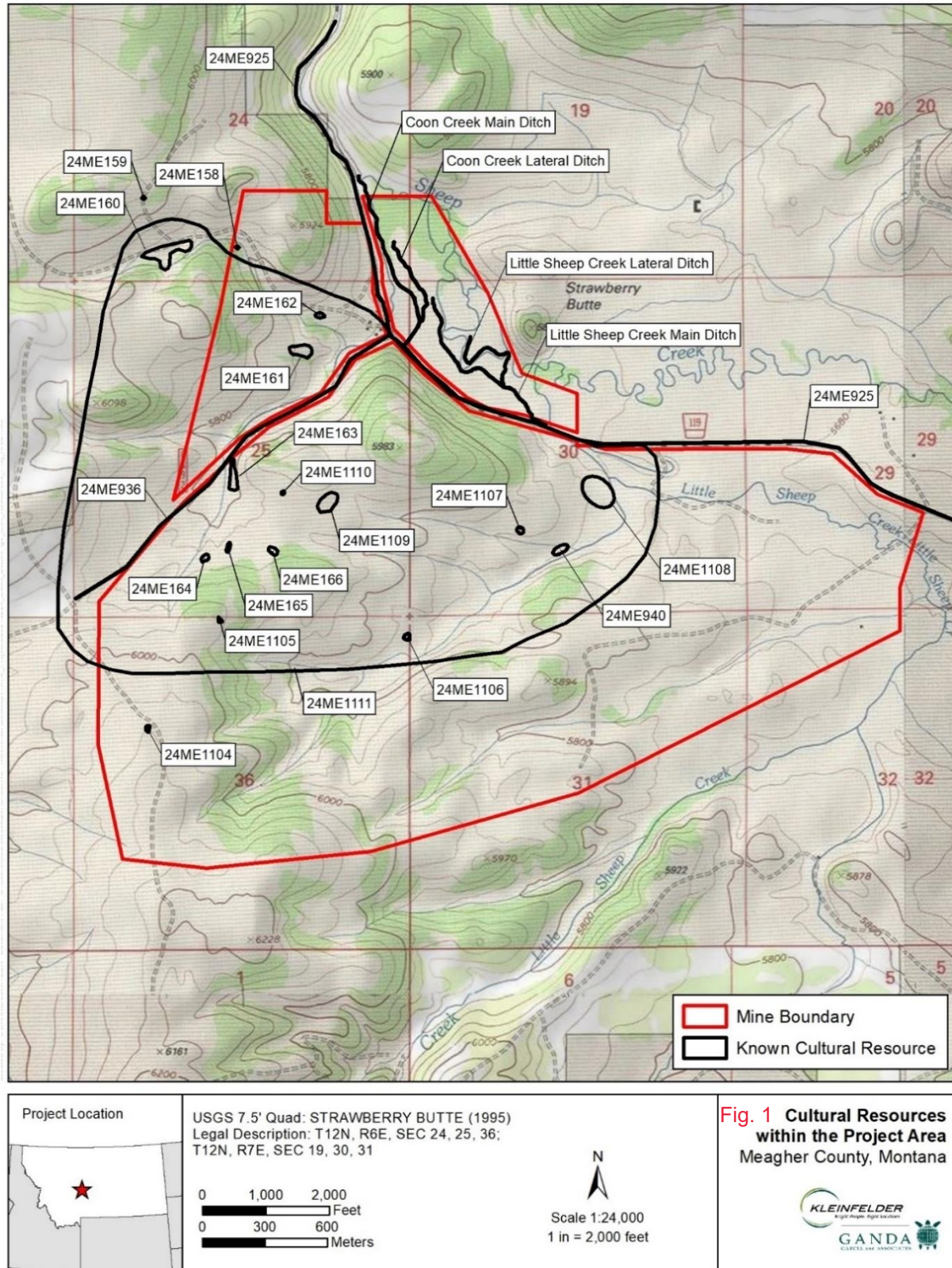


Figure 6: Cultural Resources Identified within the Project Boundary

REFERENCES

Kleinfelder, 2021. Draft Cultural Resources Mitigation Report for the Sheep Creek Archaeological District: Sites 24ME163, 24ME1109, and 24ME1111, Phase 1 Development Construction, Black Butte Copper Mine Project, Meagher County, Montana. Report prepared for Sandfire Resources America Inc.; Report prepared by Kleinfelder and Garcia and Associates. June, 2021.

Montana Department of Environmental Quality, 2020. Black Butte Copper Final Environmental Impact Statement. Prepared for Tintina Montana Inc. February, 2020.

Tetra Tech Inc., 2020. Draft Mitigation of a Portion of Site 24ME163 and National Register Eligibility Testing at Four Lithic Scatters (24ME166, 24ME1105, 24ME1109, and 24ME1110) within the Proposed Black Butte Copper Mine, Meagher County, Montana. Report prepared for Sandfire Resources America, Inc. Report date: April 2020. Tetra Tech Project #117-8333002.400. 19 p.