

OTTER CREEK MINE MAP AFFIDAVIT

Permit ID: Otter Creek Mine

Pursuant to ARM 17.24.305(2)(a), the following map(s) are certified as follows:

"I, the undersigned, hereby certify that this map is correct and shows to the best of my knowledge and belief all the information required by the mining laws of this state."

LOCATION	MAP/FIGURE	LAST REVISED
MAPS		
ARM 17.24.305 - Maps	Map1_Mine_Sequence_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map2_Surface_Ownership_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map3_Mineral_Ownership_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map4_Coal_and_Surface_Mining_Rights_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map5_Surface_Features_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map6_Cultural_Sites_(Confidential)_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map7_Pre-Mine_Topography_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map8_Mine_Plan_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map9_Mine_Facilities_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map10_Environmental_Monitoring_Locations_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map11_Drainage_Control_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map12_Post_Mine_Topography_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map13_Revegetation_Plan_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map14_Post_Mine_Drainage_Plan_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map15_Drill_Hole_Locations_R1_2014.pdf	October 2014
ARM 17.24.305 - Maps	Map16_Geologic_Cross_Sections_R1_2014.pdf	October 2014

LOCATION	MAP/FIGURE	LAST REVISED
Plates and Figures for Baseline Reports		
Baseline Report 304C - Geologic, Scenic and Topographic Features	Plate 1_Aerial_Photography_R1_20110909.PDF	October 2014
Baseline Report 304C - Geologic, Scenic and Topographic Features	Plate2_Geologic_Scenic_and_Topographic_Features_R1_20140912.pdf	October 2014
Baseline Report 304E, Tracts 1, 2, and 3 Water Resources Data Report	Plate 1_Hydrochemical_Classification_By_Stiff_Diagram_R1_201408.pdf	October 2014
Baseline Report 304E, Tracts 1, 2, and 3 Water Resources Data Report	Plate 2_Private_Wells_R1_2014.pdf	October 2014
Baseline Report 304E, Tracts 1, 2, and 3 Water Resources Data Report	Plate 3_Spring_and_Seep_Inventory_Location_R1_2014.pdf	October 2014
Baseline Report 304E, Tracts 1, 2, and 3 Water Resources Data Report	Plate 4_Synoptic_Run_Results_R1_201408.pdf	October 2014
Baseline Report 304E, Tracts 1, 2, and 3 Water Resources Data Report	Figure 1-1_Site_Location_And_Study_Area_R1_2014.pdf	October 2014
Baseline Report 304E, Tracts 1, 2, and 3 Water Resources Data Report	Figure 2-2_GW_Elevations_in_the_Alluvium_Clinker_and_Overburden_R1_201108.pdf	October 2014
Baseline Report 304E, Tracts 1, 2, and 3 Water Resources Data Report	Figure 2-3_GW_Elevations_Alluvium_Clinker_Overburden_R1_201203.pdf	October 2014
Baseline Report 304E, Tracts 1, 2, and 3 Water Resources Data Report	Figure 2-4_GW_Elevations_Alluvium_Clinker_Knobloch_Coal_R1_201108.pdf	October 2014
Baseline Report 304E, Tracts 1, 2, and 3 Water Resources Data Report	Figure 2-5_GW_Elevations_Alluvium_Clinker_Knobloch_Coal_R1_201203.pdf	October 2014
Baseline Report 304E, Tracts 1, 2, and 3 Water Resources Data Report	Figure 2-6_GW_Elevations_in_the_Alluvium_and_Underburden_R1_201108.pdf	October 2014
Baseline Report 304E, Tracts 1, 2, and 3 Water Resources Data Report	Figure 2-7_GW_Elevations_Alluvium_Underburden_R1_201203.pdf	October 2014
Baseline Report 304E, Tracts 1, 2, and 3 Water Resources Data Report	Figure 3-3_Piper_Diagram_Surface_Water_R1_2014.pdf	October 2014
Baseline Report 304H, Overburden Analysis	Plate1_Near_Surface_Soil_Quality_R1_201408.pdf	October 2014
Baseline Report 304H, Overburden Analysis	Plate2_Projected_Spoil_Quality_R1_201408.pdf	October 2014
Plates and Figures for Exhibits		
Exhibit 313C Backfilling Grading	Plate 1_Spoil_Placement_Diagrams_R1_201408	
Exhibit 313C Backfilling Grading	Plate 2_Reclamation_Sequence_R1_201408	

LOCATION	MAP/FIGURE	LAST REVISED
Exhibit 313D – Reclamation of Drainage Basins	Plate 1_Post_Mine_Topography_and_Drainage_Basins_R0_201409.pdf	October 2014
Exhibit 313D- Reclamation of Drainage Basins	Plate 2_Drainage_Profiles_R0_201409.pdf	October 2014
Exhibit 313D- Reclamation of Drainage Basins	Plate 3_Meander_Belt_Width_R0_201409.pdf	October 2014
Exhibit 313D- Reclamation of Drainage Basins	Plate 4_Post_Mine_Topography_Belt_Width_R0_201409.pdf	October 2014
Exhibit 314B – Hydrologic Monitoring and Sampling Plan	Plate1_Water_Resource_Monitoring_Network_R1_2014.pdf	October 2014
Exhibit 315A - Attachment A Ponds and Embankments - Drainage Control Hydrology and Sedimentology Report	Exhibit 315A_Otter Creek Mine_Appendix A Pre Mine Drainages Figure 1-1	October 2014
Exhibit 315A - Attachment A Ponds and Embankments - Drainage Control Hydrology and Sedimentology Report	Figure2-1_Phase_One_Operational_Drainage_Control_R0_2014.pdf	October 2014
Exhibit 315A - Attachment A Ponds and Embankments - Drainage Control Hydrology and Sedimentology Report	Figure2-2_Phase_Two_Operational_Drainage_Control_R0_2014.pdf	October 2014
Exhibit 315A - Attachment A Ponds and Embankments - Drainage Control Hydrology and Sedimentology Report	Figure2-3_Phase_Two_Operational_Drainage_Control_R0_2014.pdf	October 2014
Exhibit 315A - Attachment A Ponds and Embankments - Drainage Control Hydrology and Sedimentology Report	Figure 2-4_Post_Reclamation_Hydrologic_Condition_and_Sediment_Controls_R0_2014.pdf	October 2014
Exhibit 315A - Attachment A Ponds and Embankments - Drainage Control Hydrology and Sedimentology Report	Exhibit 315A_Otter Creek Mine_Appendix A PMT Drainages Figure 3-2.pdf	July 2012
Exhibit 321A – Transportation Facilities	Plate 1_Road_Plan_View_R0_2014.pdf	October 2014
Exhibit 321A – Transportation Facilities	Plate 2_Road_Profiles_and_Sections_R0_2014.pdf	October 2014
Exhibit 322A – Coal Conservation	Plate1_Knobloch_Coal_Extent_R0_2014.pdf	October 2014

LOCATION	MAP/FIGURE	LAST REVISED
Exhibit 322A – Coal Conservation	Plate2_Overburden_Thickness_Isopach_R0_2014.pdf	October 2014
Exhibit 322A – Coal Conservation	Plate3_Coal_Recovery_Map_R0_2014.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate1_Alluvial_Valley_Floor_Investigation_Study_Area_R0_201408.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate2_Geologic_Map_R0_2014.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate3_AVF_Cross_Sections_R1_201410.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate4_Topography_and_Geomorphology_R0_201410.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate5_Hydrologic_Monitoring_Locations_R0_2014.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate6_Drainage_Basins_R0_2014.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate7_Potentiometric_Surfaces_R0_201410.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate8_Depth_to_Alluvial_Groundwater_R0_201410.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate13A_2005_Color_Infrared_Aerial_R0_201410.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate13B_2009_Color_Infrared_Aerial_R0_201410.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate13C_July_2011_Color_Infrared_Aerial_R0_201410.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate13D_September_2011_Color_Infrared_Aerial_R0_201410.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate13E_2013_Color_Infrared_Aerial_R0_201410E.pdf	October 2014
Baseline Report 325A - Alluvial Valley Floor Determination	Plate15_Piezometer_Cross-Sections_and_Soils_Data_August_2013_R0_2014.pdf	October 2014

State of Montana
County of Yellowstone
Signed or acknowledged before me on October 28, 2014 by Wade Kevin Heidi Kaiser

Karen Sable

(notary signature) Karen Sable



(printed name of notary public)

Notary public for the state of Montana

Residing at Billings, Montana

My commission expires: March 27, 2018