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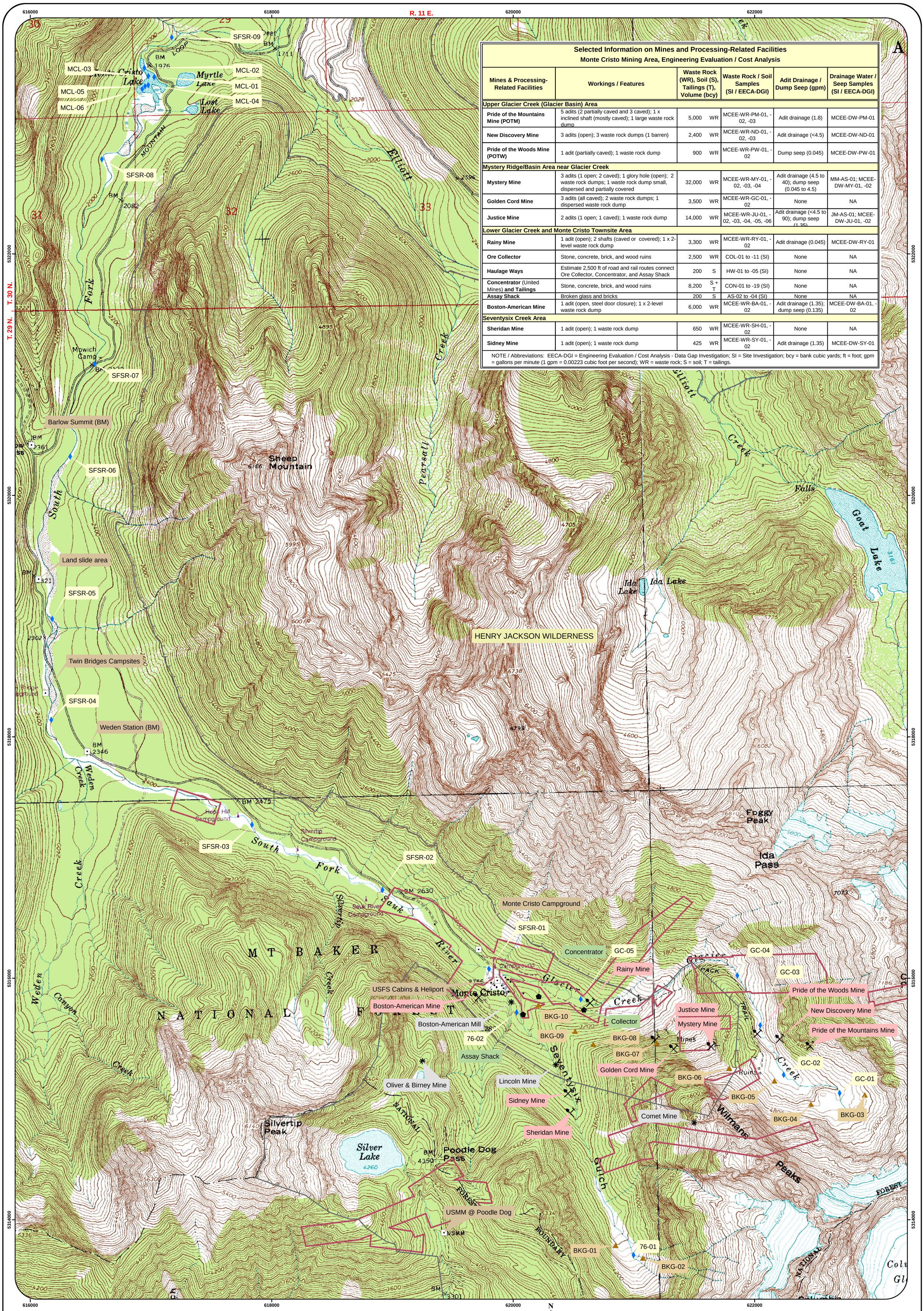


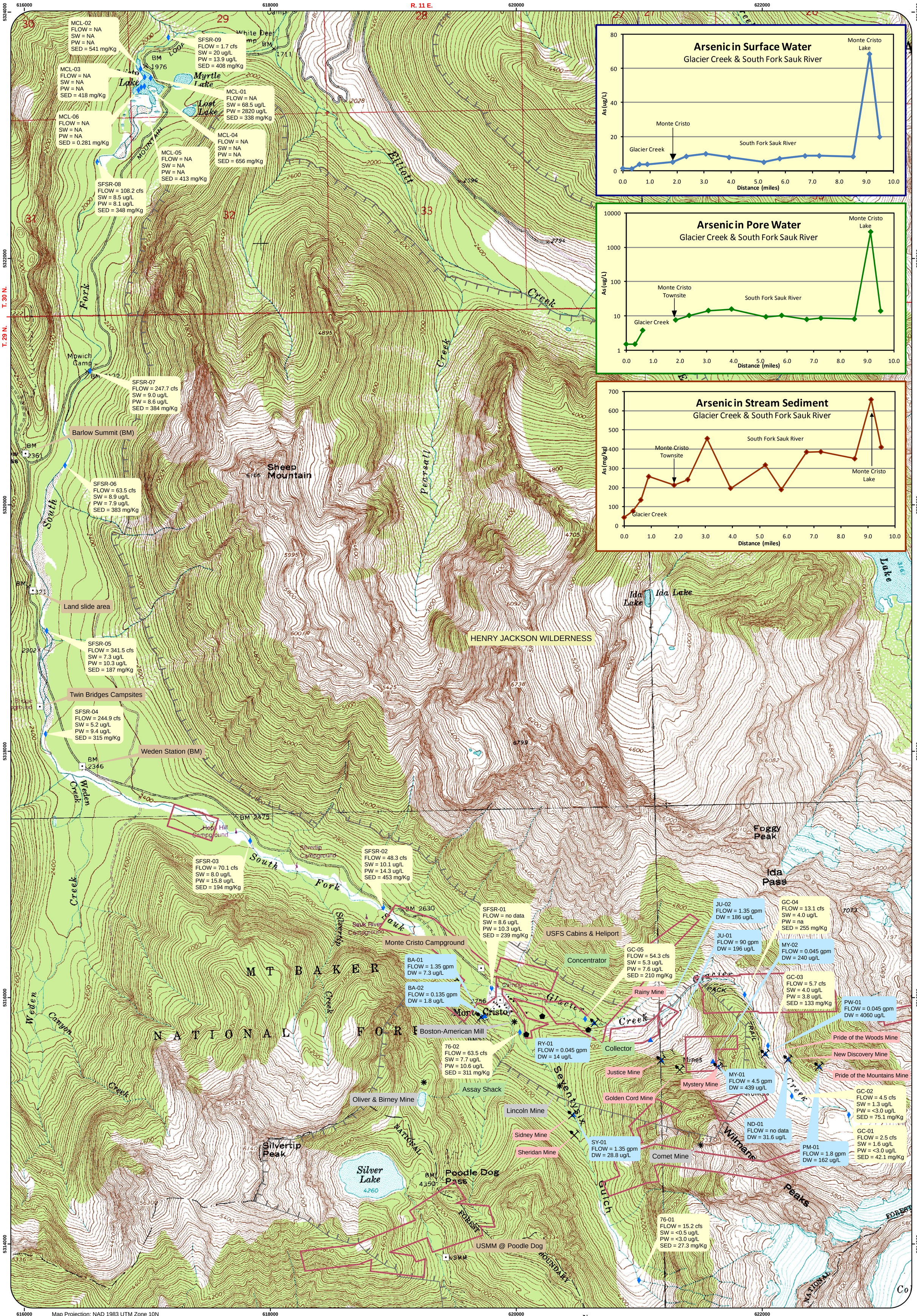
Selected Information on Mines and Processing-Related Facilities
Monte Cristo Mining Area, Engineering Evaluation / Cost Analysis

Mines & Processing-Related Facilities	Workings / Features	Waste Rock (WR), Soil (S), Tailings (T), Volume (bcy)		Waste Rock / Soil Samples (SI / EECA-DGI)	Adit Drainage / Dump Seep (gpm)	Drainage Water / Seep Samples (SI / EECA-DGI)
Upper Glacier Creek (Glacier Basin) Area						
Pride of the Mountains Mine (POTM)	5 adits (2 partially caved and 3 caved); 1 x inclined shaft (mostly caved); 1 large waste rock dump	5,000	WR	MCEE-WR-PM-01, -02, -03	Adit drainage (1.8)	MCEE-DW-PM-01
New Discovery Mine	3 adits (open); 3 waste rock dumps (1 barren)	2,400	WR	MCEE-WR-ND-01, -02, -03	Adit drainage (<4.5)	MCEE-DW-ND-01
Pride of the Woods Mine (POTW)	1 adit (partially caved); 1 waste rock dump	900	WR	MCEE-WR-PW-01, -02	Dump seep (0.045)	MCEE-DW-PW-01
Mystery Ridge/Basin Area near Glacier Creek						
Mystery Mine	3 adits (1 open; 2 caved); 1 glory hole (open); 2 waste rock dumps; 1 waste rock dump small, dispersed and partially covered	32,000	WR	MCEE-WR-MY-01, -02, -03, -04	Adit drainage (4.5 to 40); dump seep (0.045 to 4.5)	MM-AS-01; MCEE-DW-MY-01, -02
Golden Cord Mine	3 adits (all caved); 2 waste rock dumps; 1 dispersed waste rock dump	3,500	WR	MCEE-WR-GC-01, -02	None	NA
Justice Mine	2 adits (1 open; 1 caved); 1 waste rock dump	14,000	WR	MCEE-WR-JU-01, -02, -03, -04, -05, -06	Adit drainage (<4.5 to 90); dump seep (1.35)	JM-AS-01; MCEE-DW-JU-01, -02
Lower Glacier Creek and Monte Cristo Townsite Area						
Rainy Mine	1 adit (open); 2 shafts (caved or covered); 1 x 2-level waste rock dump	3,300	WR	MCEE-WR-RY-01, -02	Adit drainage (0.045)	MCEE-DW-RY-01
Ore Collector	Stone, concrete, brick, and wood ruins	2,500	WR	COL-01 to -11 (SI)	None	NA
Haulage Ways	Estimate 2,500 ft of road and rail routes connect Ore Collector, Concentrator, and Assay Shack	200	S	HW-01 to -05 (SI)	None	NA
Concentrator (United Mines) **and Tailings**	Stone, concrete, brick, and wood ruins	8,200	S + T	CON-01 to -19 (SI)	None	NA
Assay Shack	Broken glass and bricks	200	S	AS-02 to -04 (SI)	None	NA
Boston-American Mine	1 adit (open, steel door closure); 1 x 2-level waste rock dump	6,000	WR	MCEE-WR-BA-01, -02	Adit drainage (1.35); dump seep (0.135)	MCEE-DW-BA-01, -02
Seventysix Creek Area						
Sheridan Mine	1 adit (open); 1 waste rock dump	650	WR	MCEE-WR-SH-01, -02	None	NA
Sidney Mine	1 adit (open); 1 waste rock dump	425	WR	MCEE-WR-SY-01, -02	Adit drainage (1.35)	MCEE-DW-SY-01

NOTE / Abbreviations: EECA-DGI = Engineering Evaluation / Cost Analysis - Data Gap Investigation; SI = Site Investigation; bcy = bank cubic yards; ft = foot; gpm = gallons per minute (1 gpm = 0.00223 cubic foot per second); WR = waste rock; S = soil; T = tailings.

Plate 1: Site Layout Map of Monte Cristo Mining Area.

PROJECT NUMBER: 2723029	Monte Cristo Mining Area Engineering Evaluation / Cost Analysis
DATE: 1/9/09	
DWG BY: 8TCE; DWG NO: Plate 1.mxd	USDA Forest Service Mt. Baker-Snoqualmie National Forest Monte Cristo, Washington
PROJECT MANAGER: DGW	
REVISED: KCA 1/5/10	CES CASCADE EARTH SCIENCES A Valmont Industries Company



Map Projection: NAD 1983 UTM Zone 10N

Legend

- Mine Site
- Facility Site
- Other Mines & Facilities
- Aquatic Station
- Mine Drainage Station
- Reference Site
- Private Ownership (Approximated)
- Henry M. Jackson Wilderness Boundary

Sample ID
FLOW = Flow Rate (cfs)
Arsenic Concentration
SW = Surface Water (µg/L)
PW = Pore Water (µg/L)
SED = Stream Sediment (mg/kg)

Sample ID
FLOW = Flow Rate (gpm)
Arsenic Concentration
DW = Drainage Water (µg/L)

cfs = cubic feet per second
gpm = gallons per minute
µg/L = micrograms per liter
mg/kg = milligrams per kilogram

N W E S

0 1,000 2,000 Feet

0 250 500 Meters

SCALE: 1:13,000

Plate 2. Arsenic Concentrations at Aquatic and Mine Drainage Stations in the Monte Cristo Mining Area and South Fork Sauk River

PROJECT NUMBER: 2723029	Monte Cristo Mining Area Engineering Evaluation / Cost Analysis
DATE: 1/12/09	
DWG BY: 8TCE; DWG NO: Plate 2.mxd	USDA Forest Service Mt. Baker-Snoqalmie National Forest Monte Cristo, Washington
PROJECT MANAGER: DGW	
REVISED: KCA 1/5/10	CES CASCADE EARTH SCIENCES A Valmont Industries Company

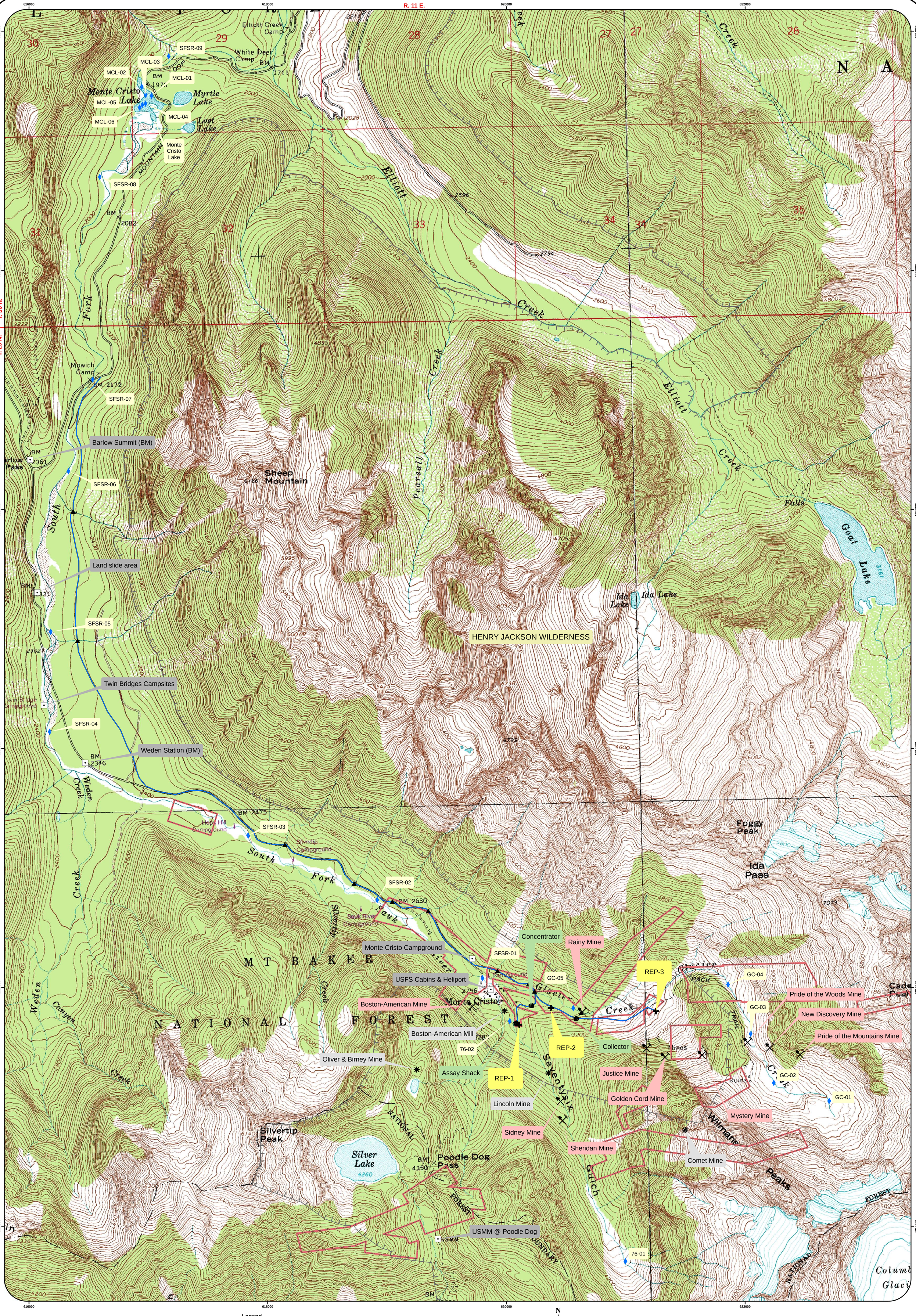


Plate 3. Map of the Monte Cristo Mining Area Showing Selected Features of the Removal Action Plan.

PROJECT NUMBER: 2723029	Monte Cristo Mining Area Engineering Evaluation / Cost Analysis
DATE: 1/21/09	
DWG BY: 8TCE / DWG NO: Plate 3.mxd	USDA Forest Service Mt. Baker-Snoqualmie National Forest Monte Cristo, Washington
PROJECT MANAGER: DGW	
REVISED: KCA 1/5/10	CES CASCADE EARTH SCIENCES A Valmont Industries Company