NEWMONT.
NORTH AMERICA

Water Availability and use at CC&V

Location

Denver
Cripple Creek & Victor Gold Mine
• 70 miles (113 Km) South of Denver
• 24 miles (40 Km) West of Colorado Springs

Pikes Peak
Cripple Creek
Victor

Cripple Creek Mining District History

1880—Gold discovered in Poverty Gulch
1896—Victor population reached 8,000
1899—Victor burned leaving >3,000 people homeless
1894-1917—More than 500 mines operated in District
1899-1902—More than 800,000 oz gold produced/yr
1900—Victor pop. 12,000; 8 pharmacies, 15 restaurants, 2 newspapers, 12 labor unions, 2 banks, 29 doctors, 5 architects, 48 saloons, 6 churches, and 15 attorneys
1891-1961—More than 21 million ounces produced
1962—Last underground mine and Carlton Mill close
1976—CC&V Gold Mining Co formed as joint venture
1994—Cresson Project permitted
1999—AngloGold Corp. formed joint venture with Golden Cycle Gold Corp. and is full owner in 2008
2002—Truck shop, new Crusher, and expanded ADR
2011—Donated gold to State of CO to resurface Capital dome
2012—CO and Teller County approved Mine Life Extension 2, extends mining through 2025, including a new mill, VLF, and ADR
2014—Mill began operation, first gold produced
2015—Newmont Mining Corporation purchased CC&V
2015—CC&V poured 5,000,000 oz since initiating in 1995

CC&V Mine Stats

Location- Located 24 miles west Colorado Springs in central Colorado

Ownership- 100% Newmont

Current Production Start – 1994

Mine Elevation – 9100’ – 10740’

Current Mine Plan- +5 years (2016 budget plan)

Average Annual Production- 380,000-420,000 ounces gold

Average Mining Rate – 165,000 tons per day (60 million tons per year)

Processing- Crushing and grinding circuit, gravity and flotation followed by carbon-in-leach gold recovery circuit

Crusher Capacity – 60,000 tons/day primarily for leaching operations

High Grade mill started in 2014

CC&V Employees

By City

City	#	%
Canon City	110	19%
Cripple Creek	45	8%
Colo Springs	67	12%
Divide	46	8%
Florissant	91	16%
Guffey	12	2%
Lake George	9	2%
Other	61	10%
Penrose	12	2%
Pueblo/Pueblo W.	1	0%
Ute Pass	0	0%
Victor/Goldfield	21	4%
Woodland Park	106	18%
	581	**100%**

*Employee Population includes Managers

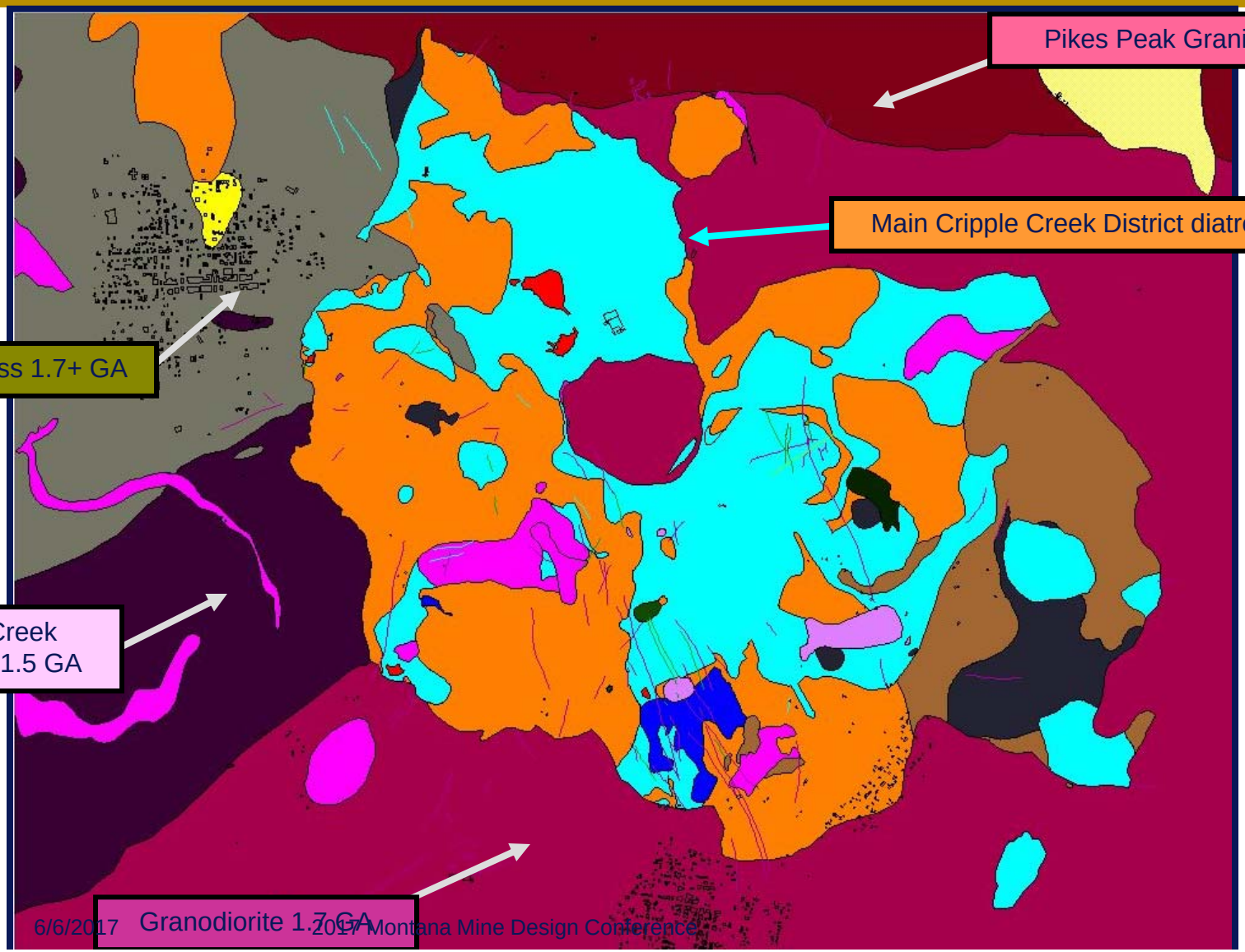
By County

County	#	%
El Paso	82	14%
Fremont	129	22%
Other	46	8%
Park	20	3%
Pueblo	4	1%
Teller	300	52%
	581	**100%**

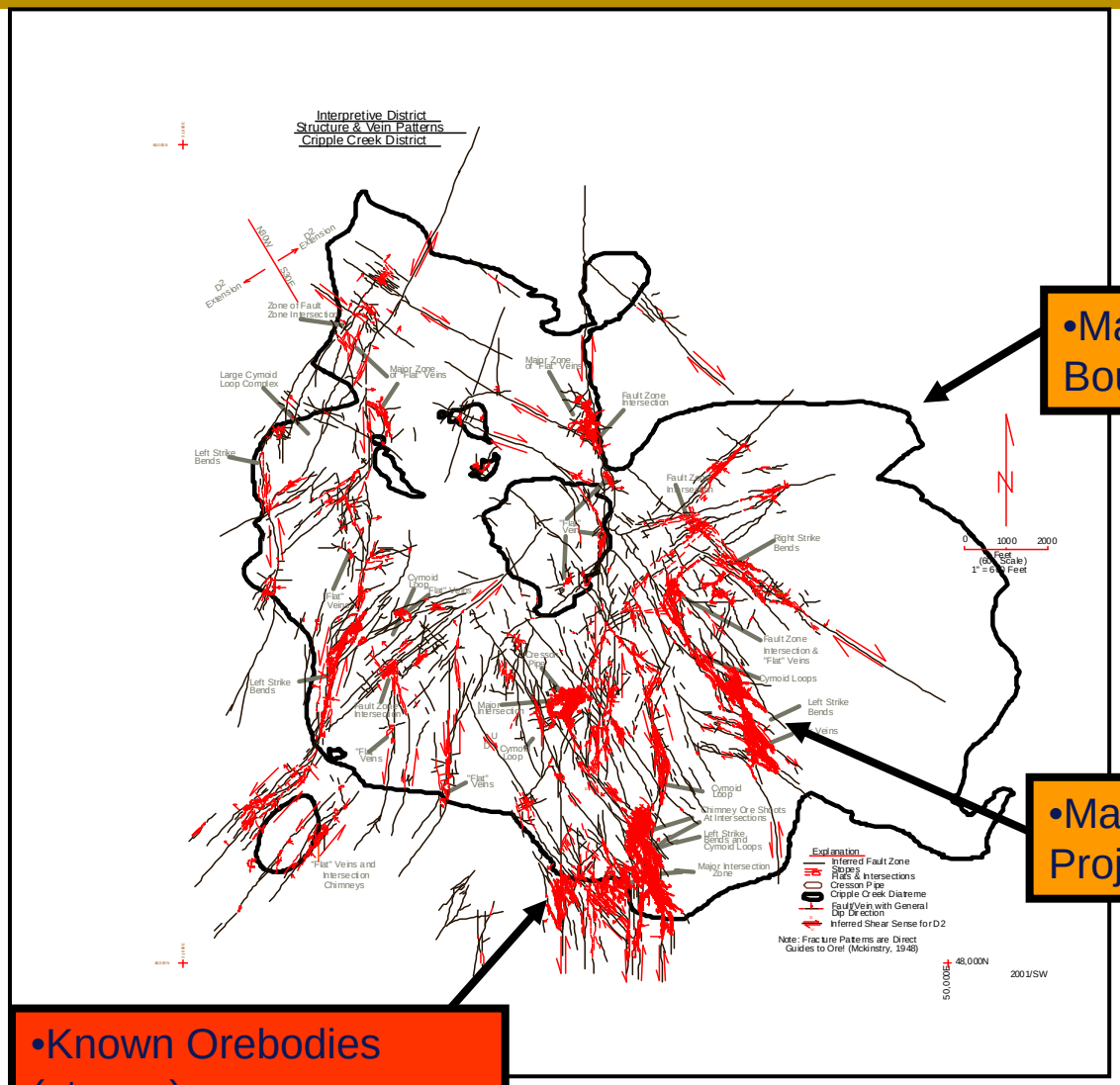
% Female = 12.7%
Avg Age = 41
Avg YOS = 7.4

***As of May 2016**

Geology


Pikes Peak Granite 1.0 GA
Main Cripple Creek District diatreme 32 Ma
Biotite Gneiss 1.7+ GA
Cripple Creek
Monzonite 1.5 GA
Granodiorite 1.7 GA

District Structural Model

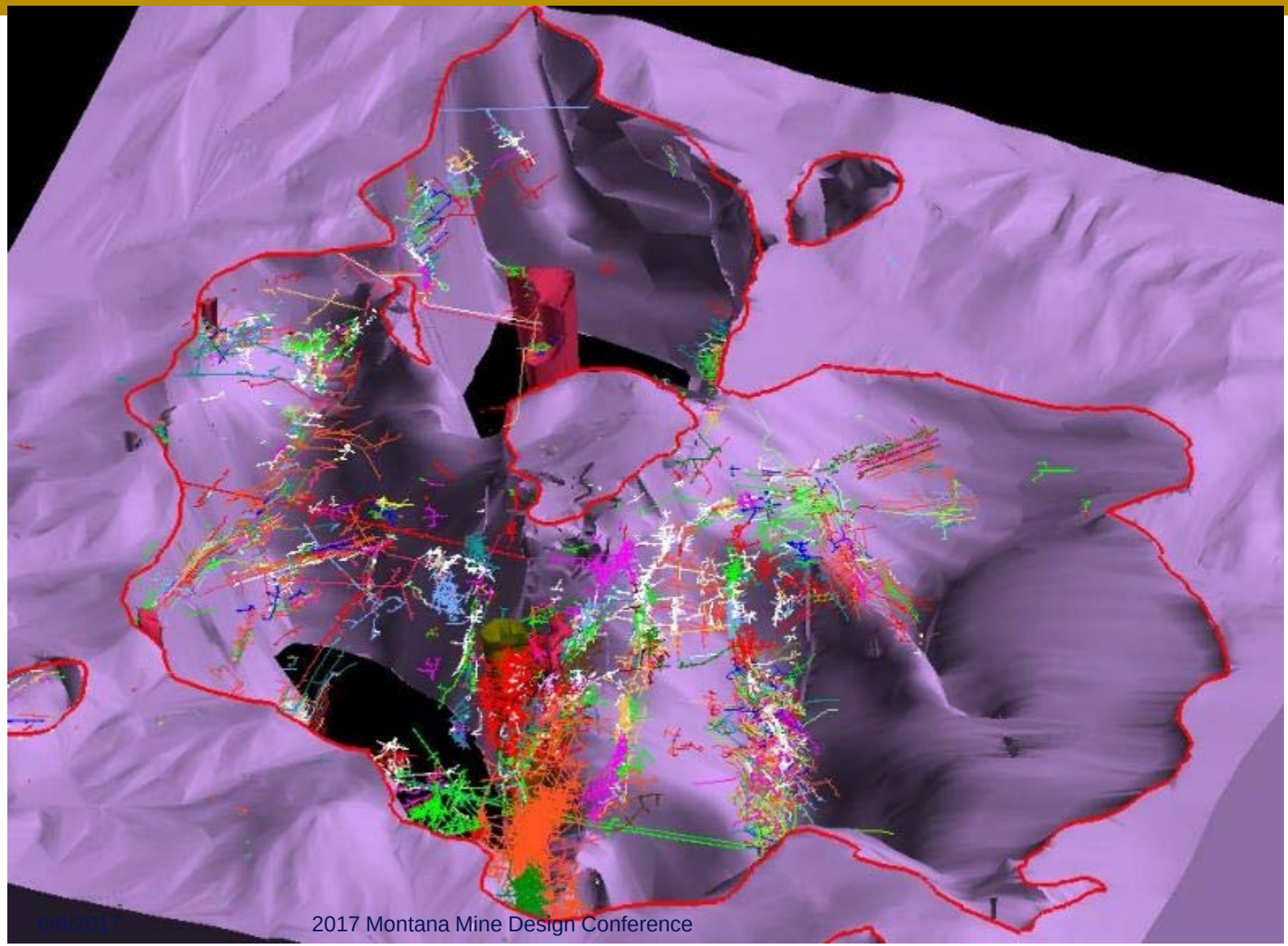


•Main Diatreme Boundary

•Mapped Structures and Projected Structures

•Known Orebodies (stopes)

Historic Underground Mines in the District



Modern Mining in a Historic District

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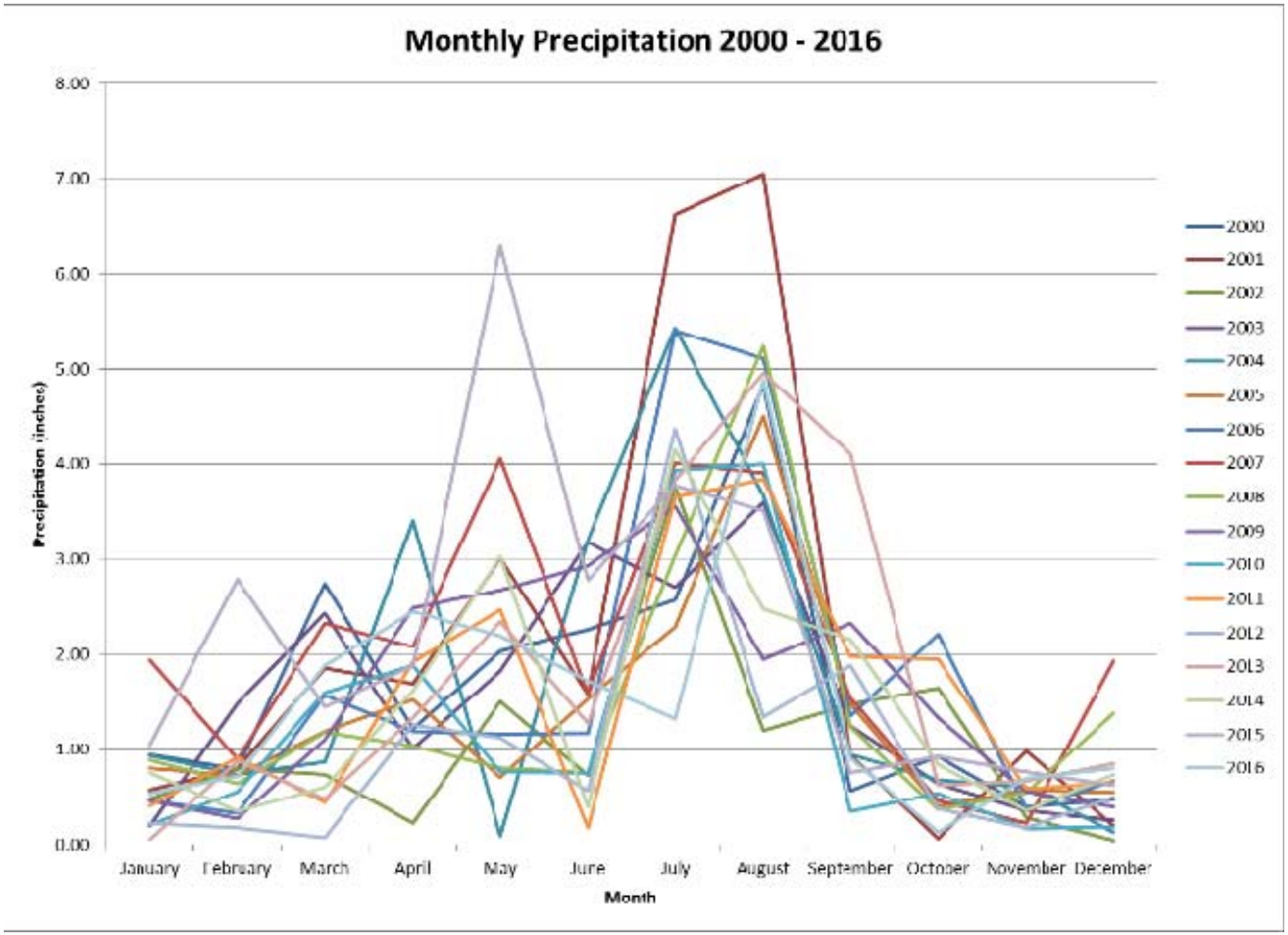
Water Availability
Monthly Precipitation

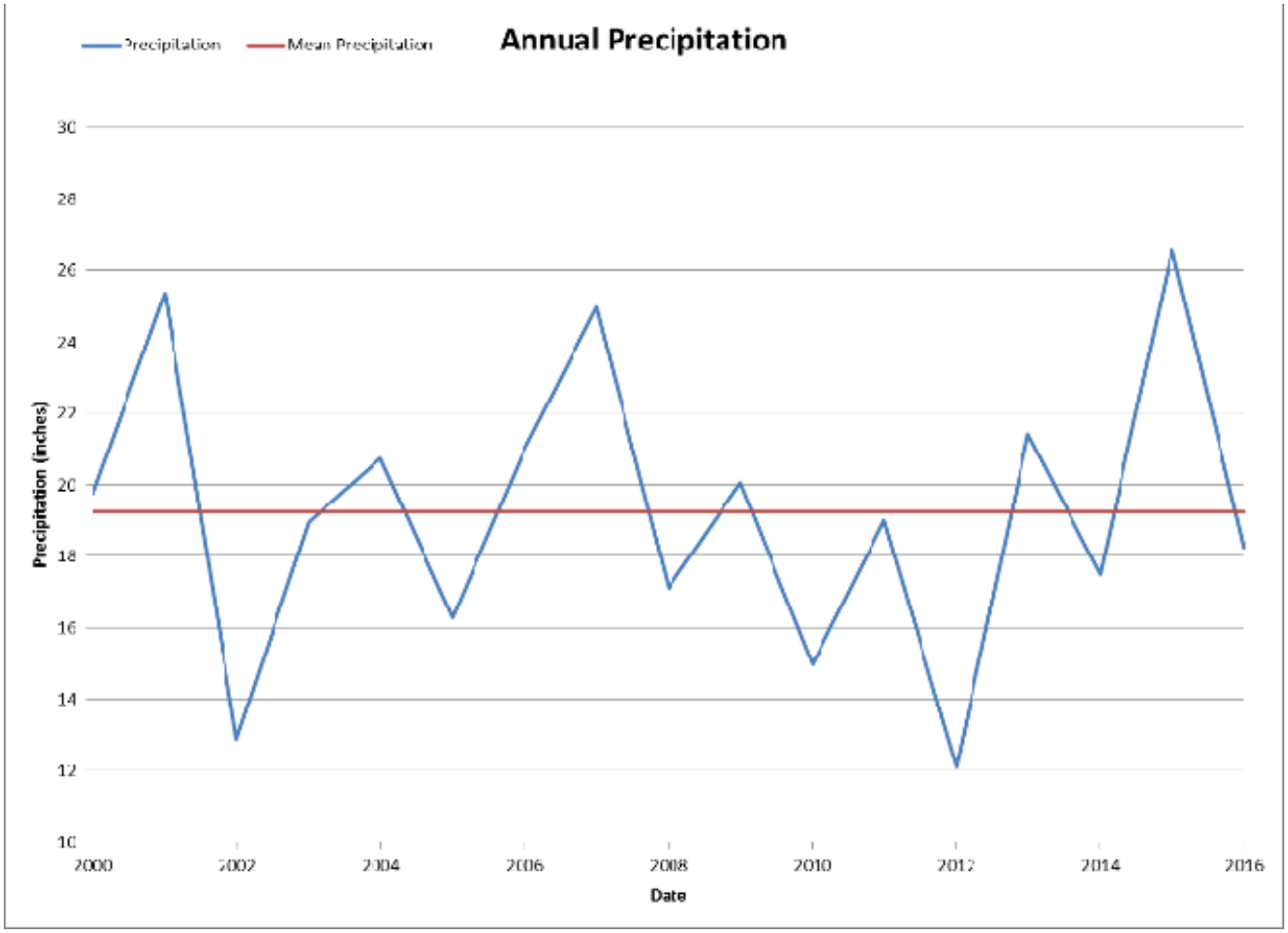


Monthly average precipitation: 1.60 inches

Wettest month: August

Driest Month: November

Water Availability
Annual Totals

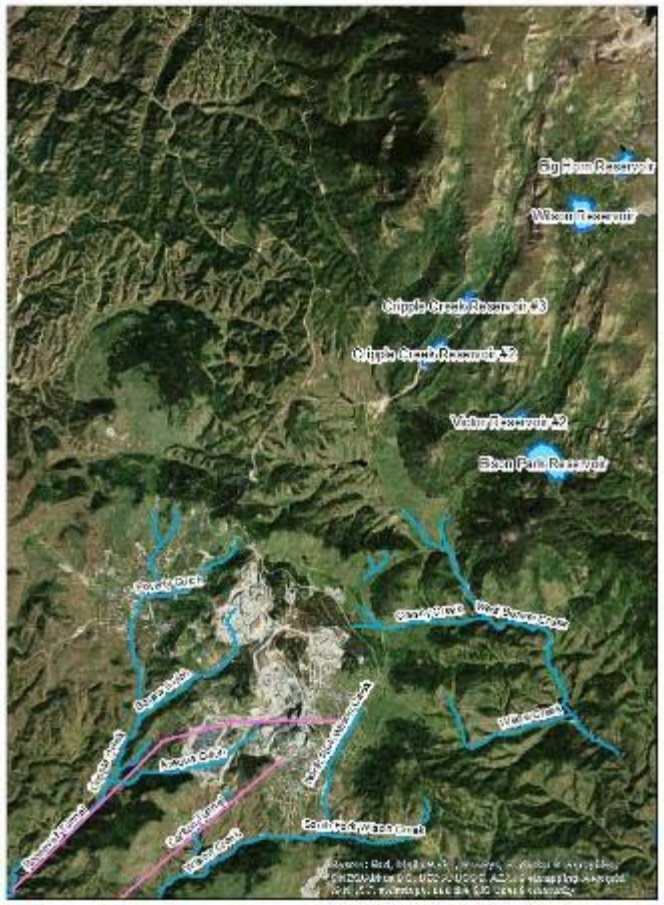


Average annual precipitation:

~19 inches

Approx 30% infiltration

Water Availability
Near Site Surface Water



Surface water bodies include:

Cripple Creek Reservoirs
- Cripple Creek #2
- Cripple Creek #3

City of Victor Reservoirs
- Victor Reservoir #2
- Bison Reservoir

Colorado Springs Utility Reservoirs
- Big Horn Reservoir
- Wilson Reservoir

West Beaver Creek
Grassy Creek
Cripple Creek
Wilson Creek

Water Availability
Mine Water Sources

Close proximity surface water bodies include:

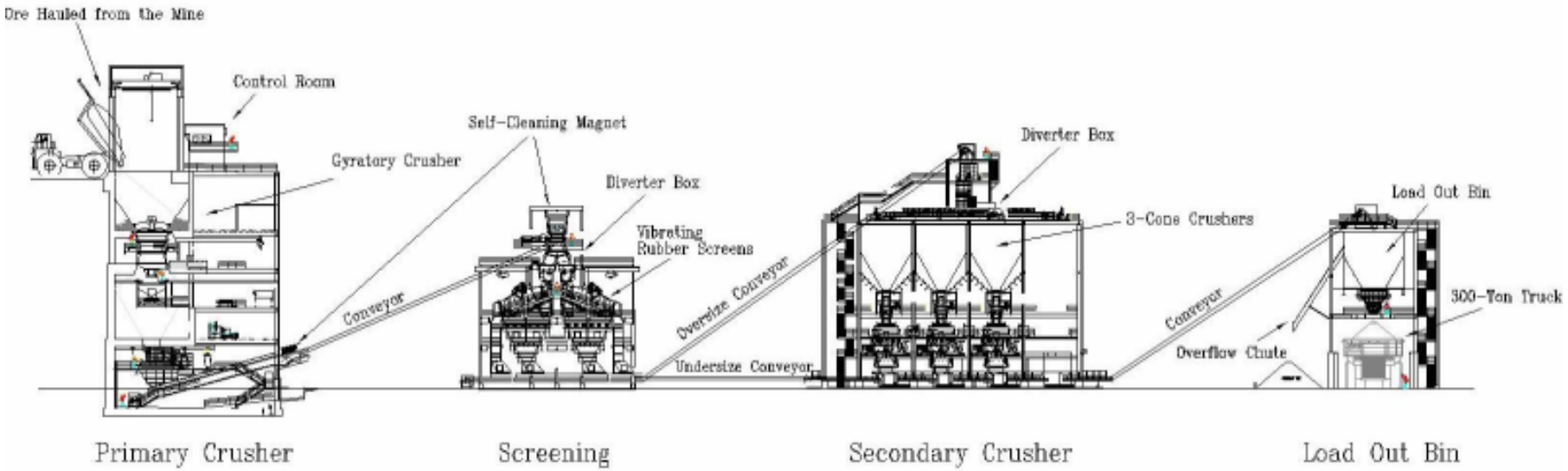
Cripple Creek Reservoirs
- Cripple Creek #2

City of Victor Reservoirs
- Victor Reservoir #2

Colorado Springs Utility
- Big Horn Reservoir
- Wilson Reservoir

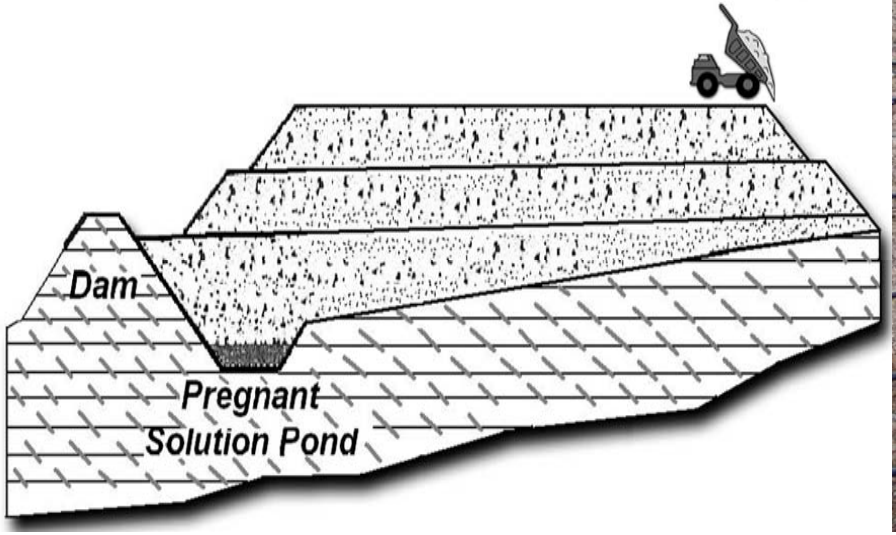
West Beaver Creek
- Altman pump station

CC&V Water Use: Crusher Process



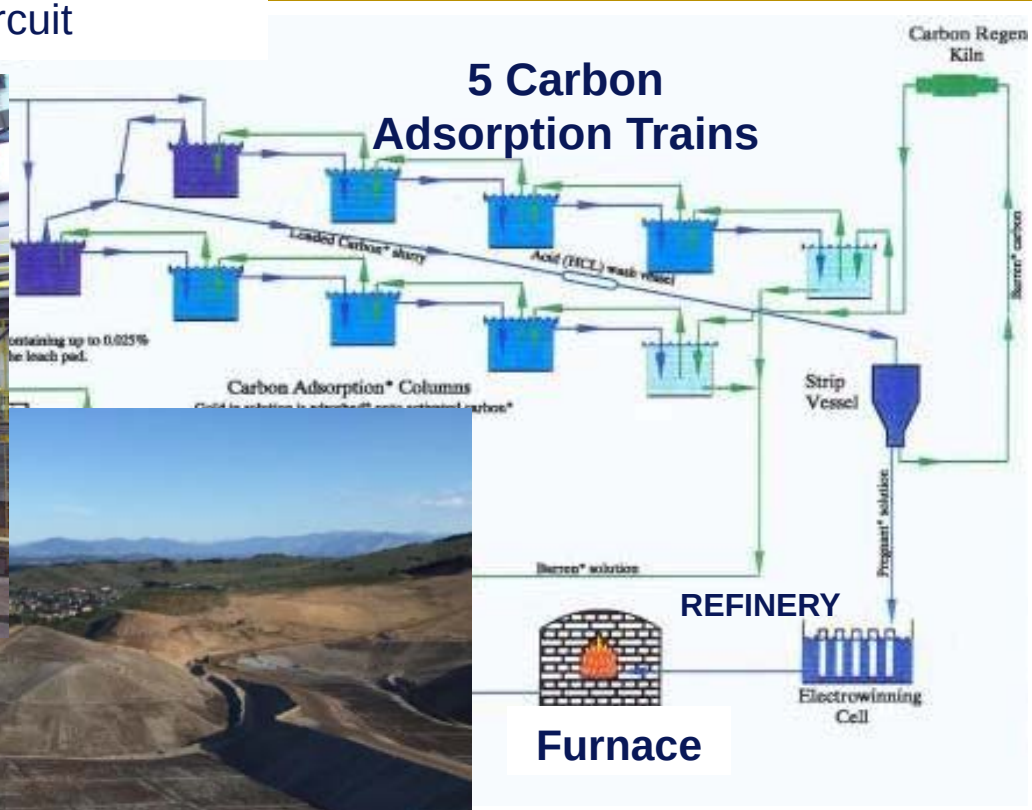
CC&V Water Use: Mining activity

CC&V Water Use: Leach Facilities



CC&V Water Use: Gold Recovery ADR 1 & 2

Cross processing circuit



CC&V Water Use: Milling Facility

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CC&V Water Use: Water Augmentation

Water Right Determination and Administration Act of 1969

Substitute water supply plans created to prevent injury to downstream water right holders due to up-gradient activity

Significant Water Consumption

Questions?