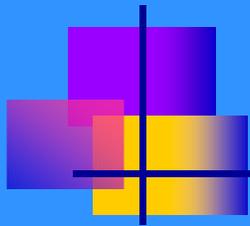


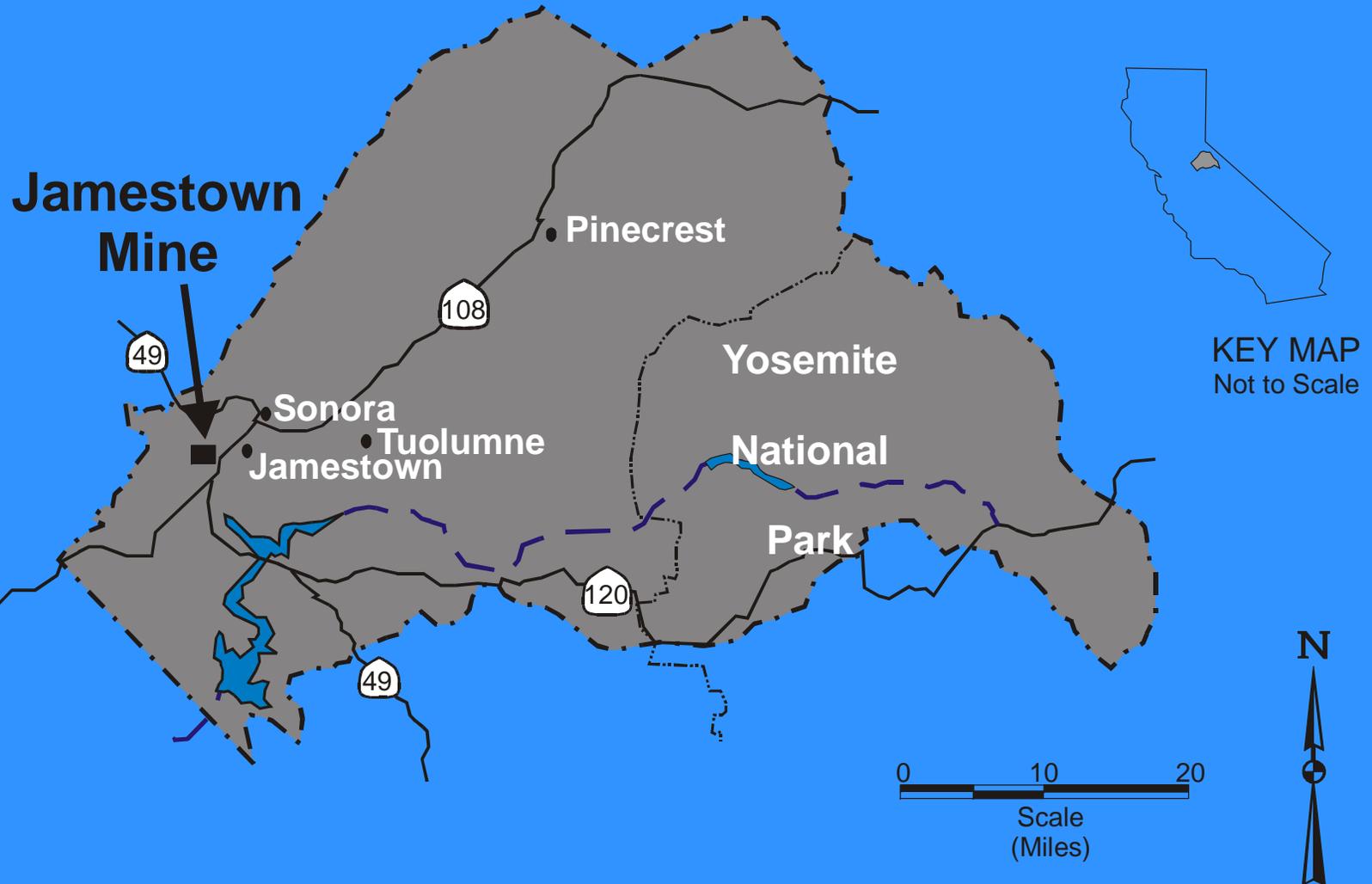
Jamestown Mine

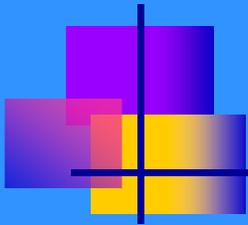
Referred to
Attorney General's Office for
Monetary Penalties



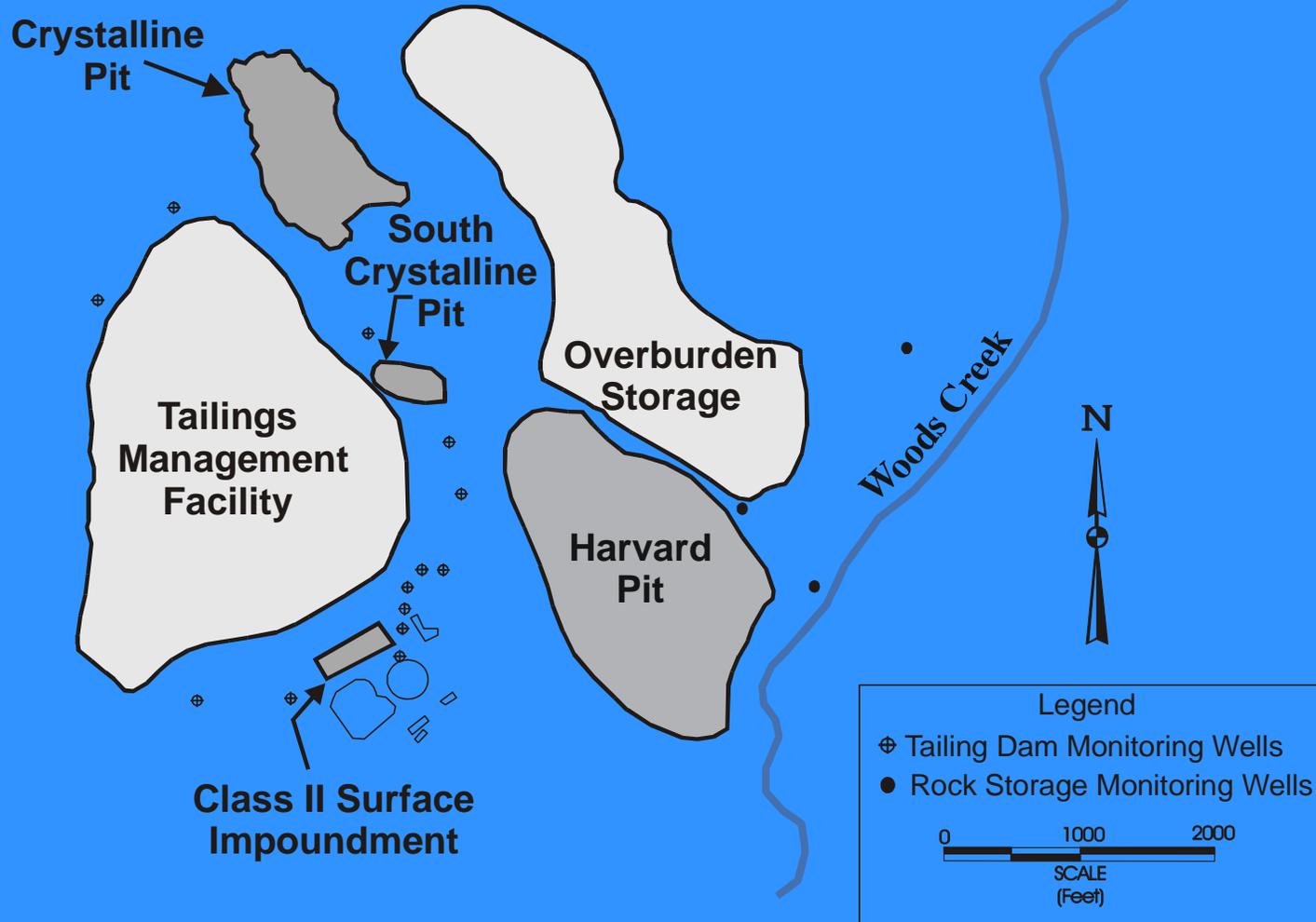
Location Map

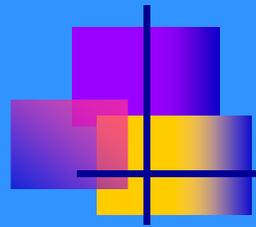
Tuolumne County





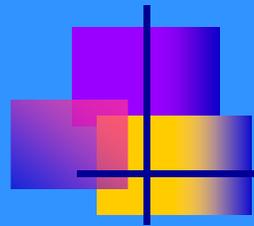
Site Map





History

- Reconnaissance from 1978 to 1983.
- Mine construction – 1986
- Active mine operations ceased in 1994.
- Waste Rock & Tailings Facilities –
Tuolumne County
- Harvard Pit – Mr. Wilson

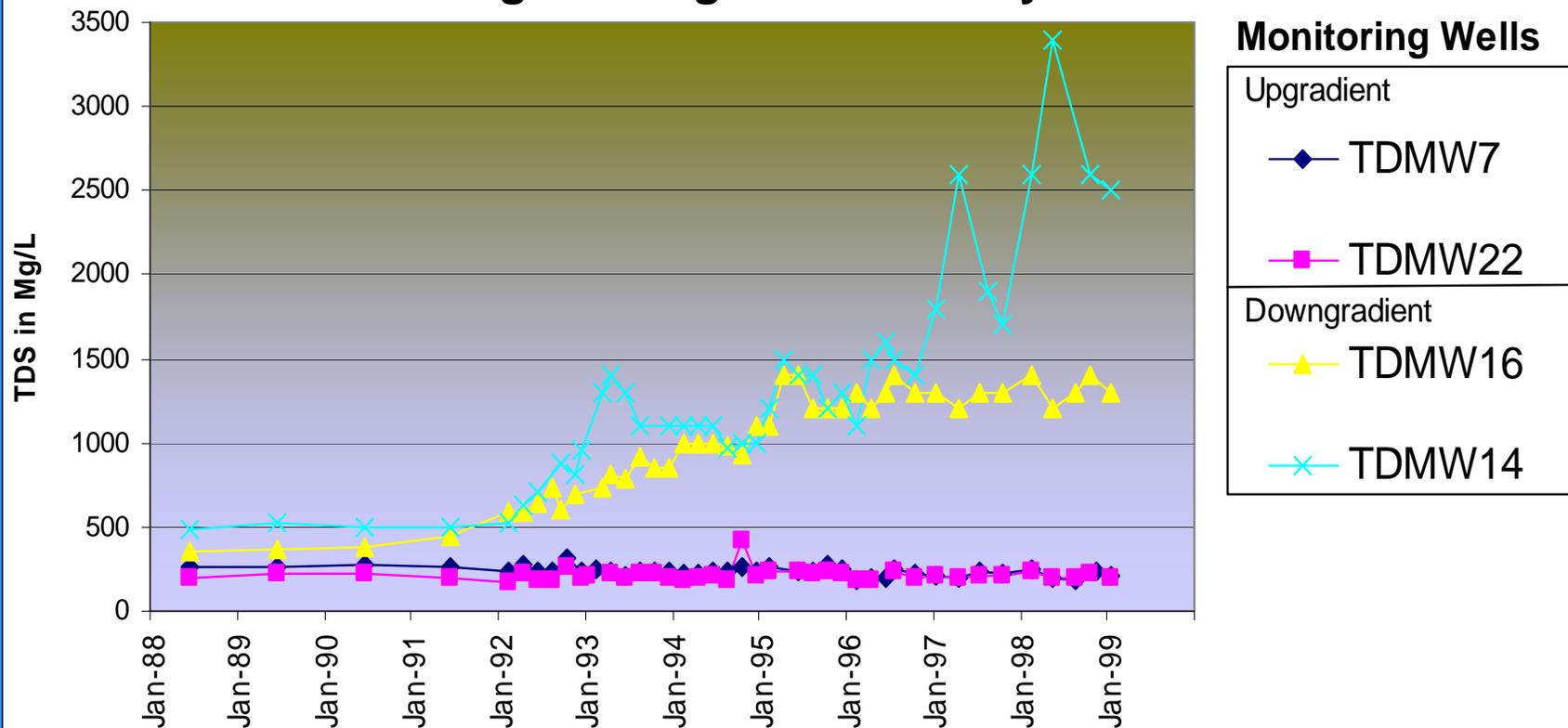


Tailing Management Facility



Groundwater Degradation

Total Dissolved Solids (TDS) Tailings Management Facility

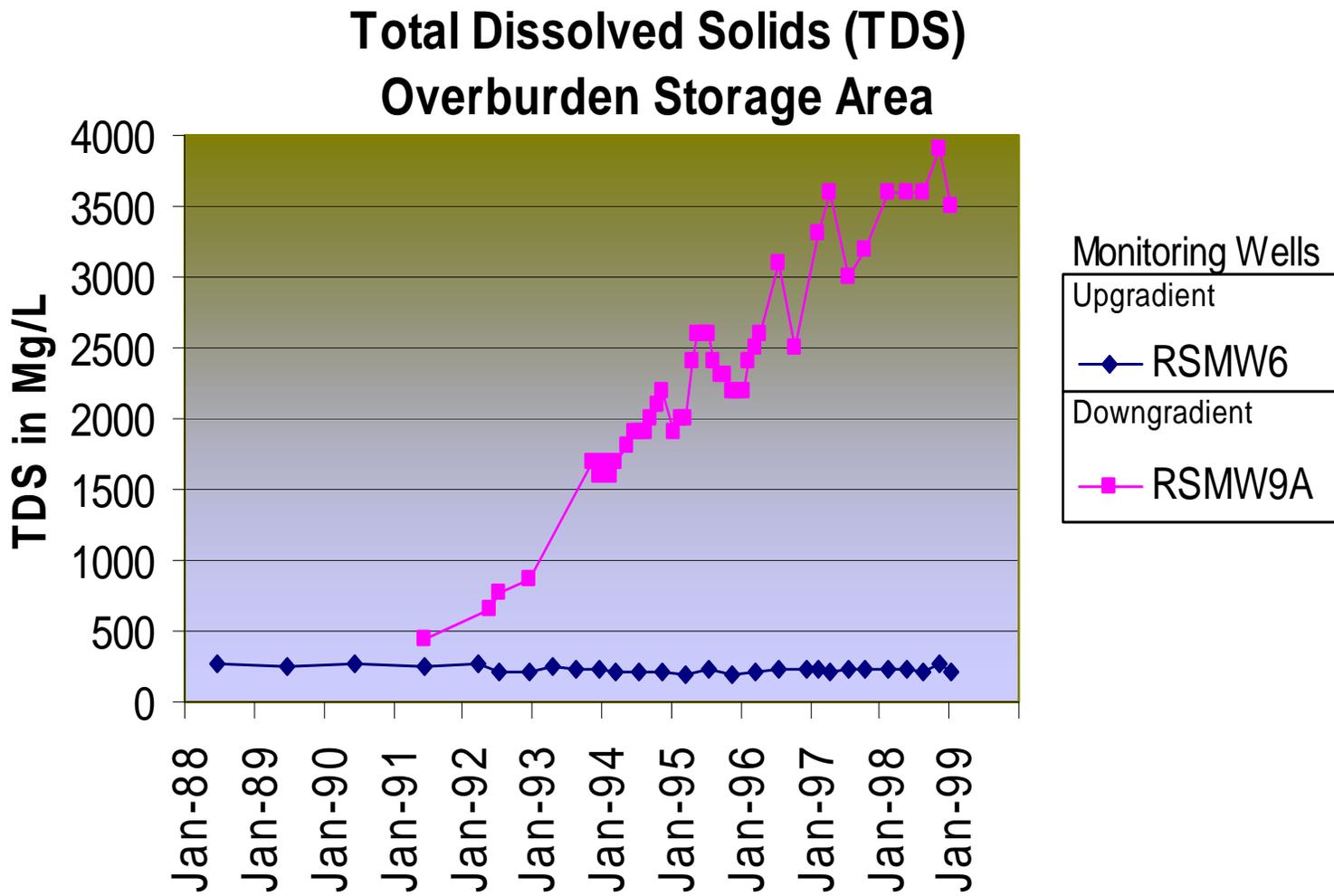


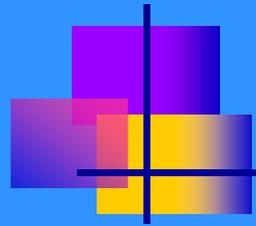
Data before 1992 is represented by mean values for that year and is plotted at June. Data for 1992 and after is plotted to the nearest month.

Waste Rock Facility



Groundwater Degradation





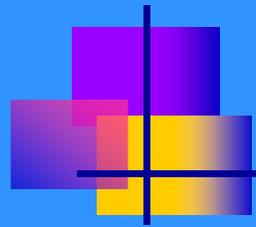
Groundwater Concentrations

Constituent	Background Upgradient	TMF Downgradient	Overburden Storage Area Downgradient
Total Dissolved Solids (TDS)	240 mg/l	2800 mg/l	3600 mg/l
Arsenic	2 µg/l	200µg/l	3 µg/l
Sulfate	19mg/l	1500 mg/l	2100 mg/l
Nitrate	9.9 mg/l	570 mg/l	150 mg/l
Chloride	5 mg/l	71 mg/l	260 mg/l

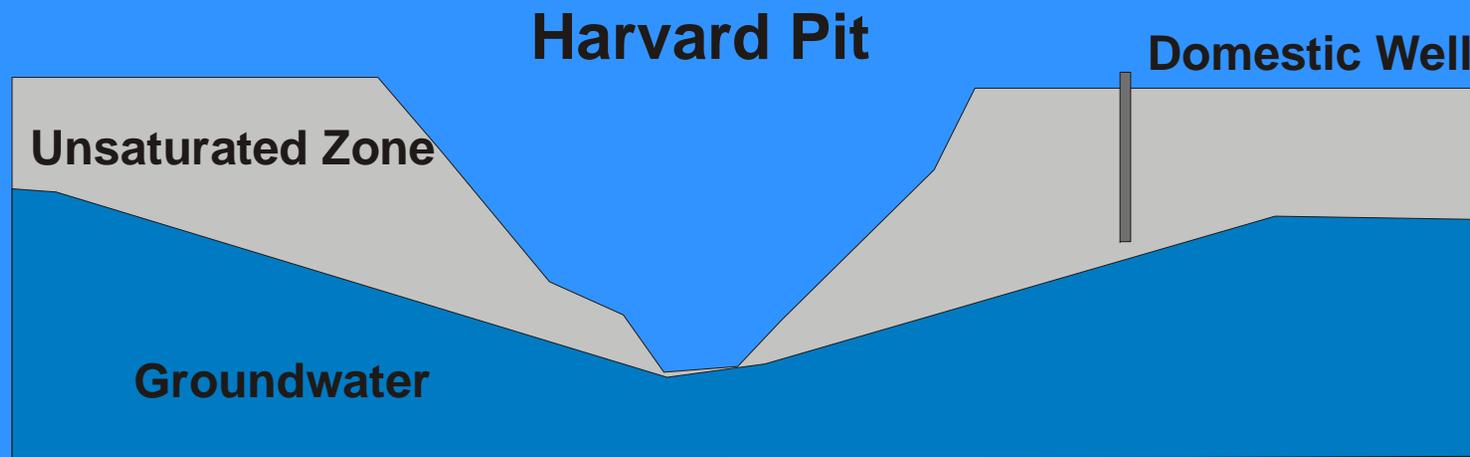
Maximum values

Harvard Pit

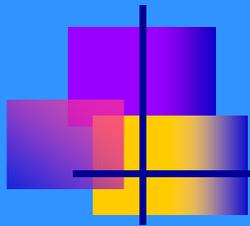




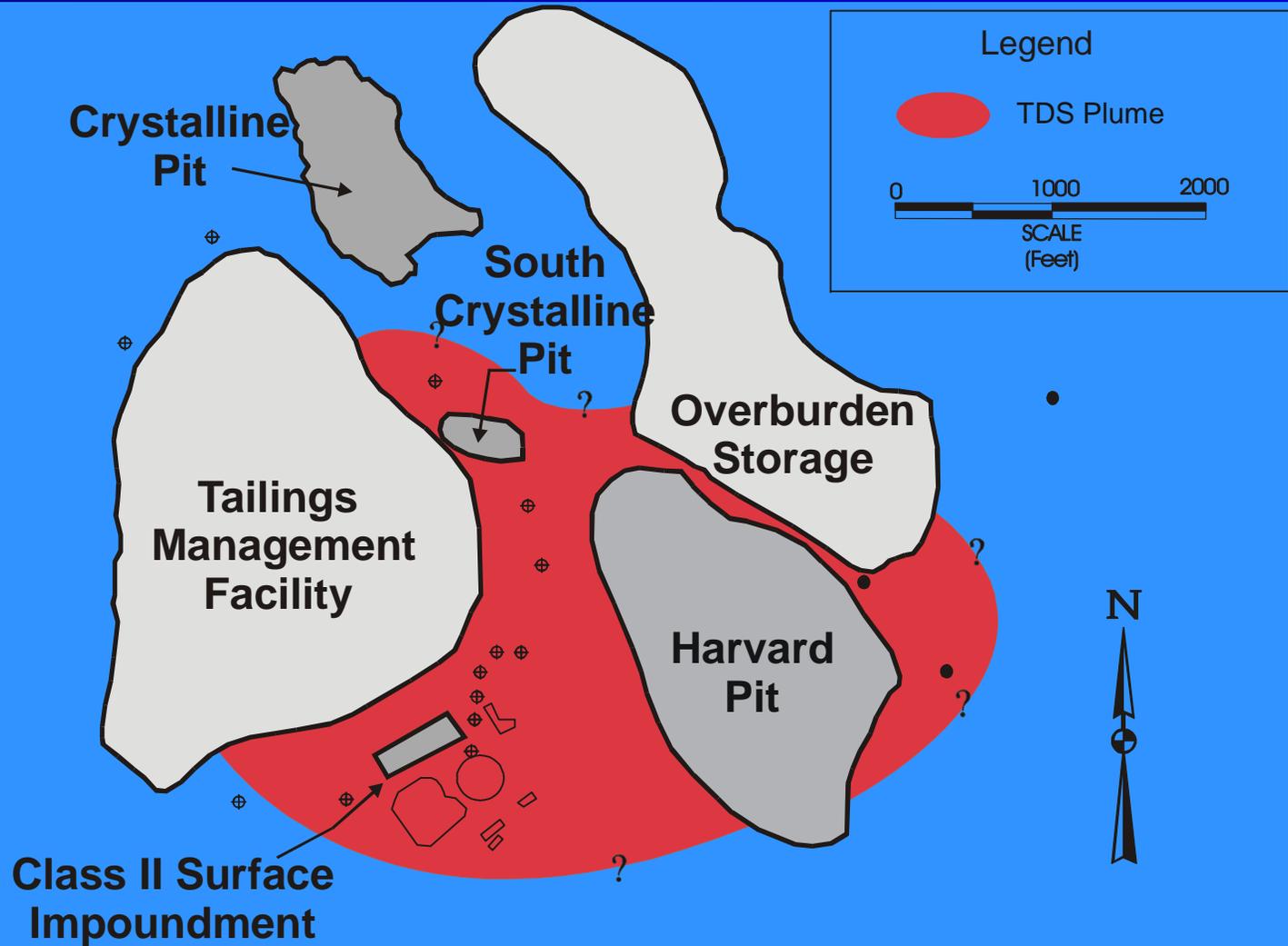
Harvard Pit – Dewatered



Schematic



Plume Map



Groundwater Gradient 1999

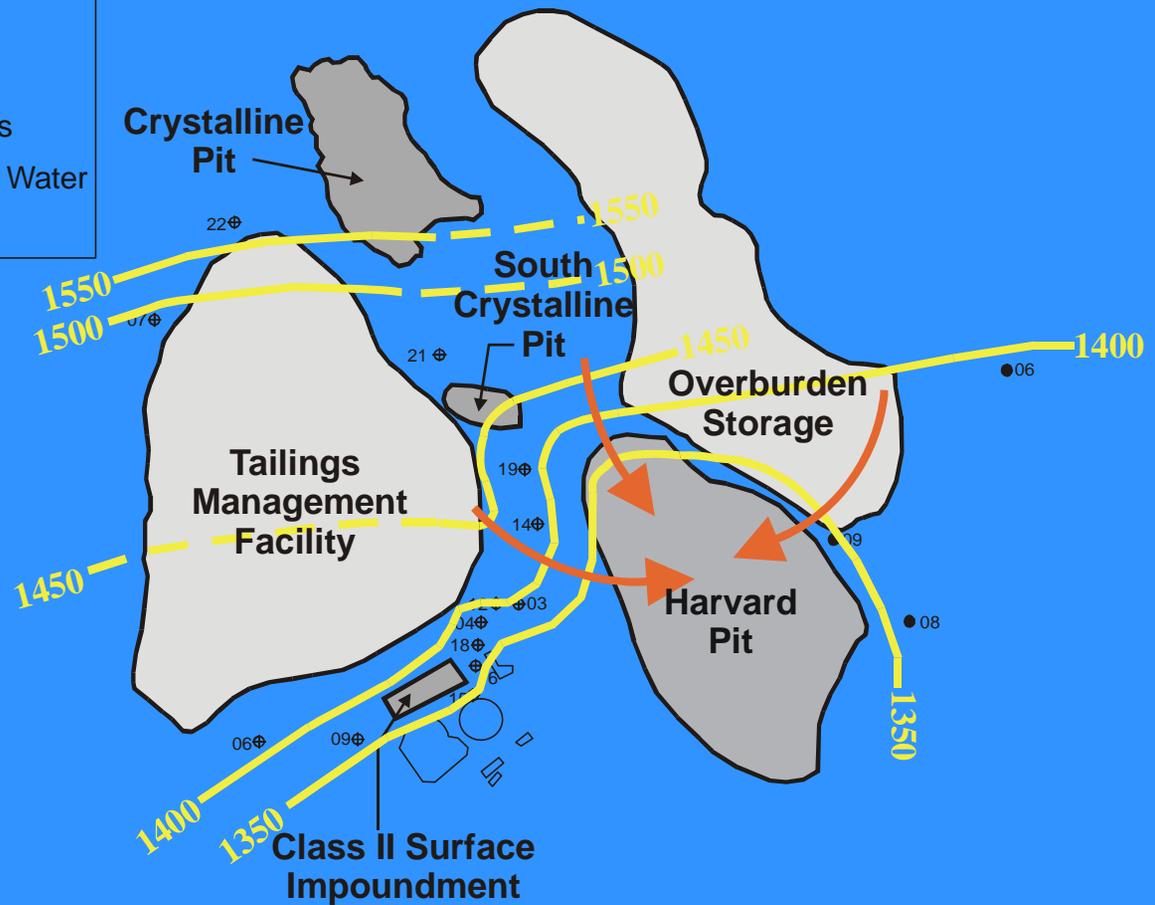
Legend

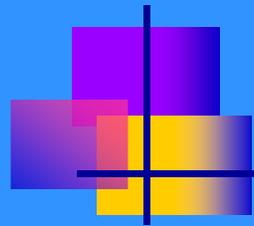
- ⊕ Tailing Dam Monitoring Wells
- Rock Storage Monitoring Wells

0 1000 2000
SCALE
(Feet)

Countour Lines

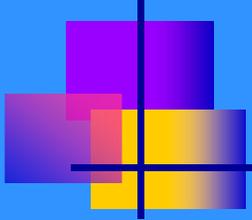
Estimated Ground Water Flow Direction



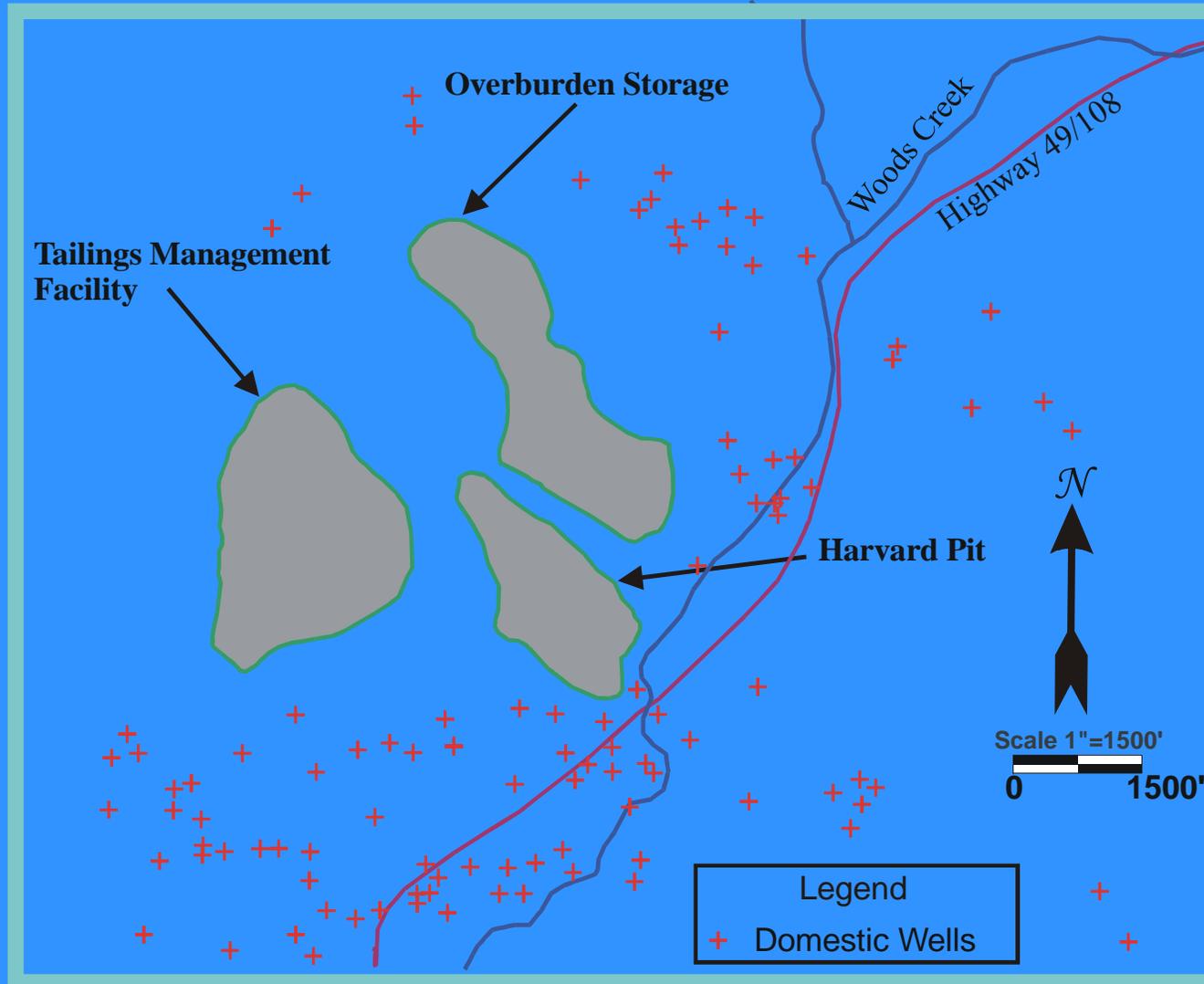


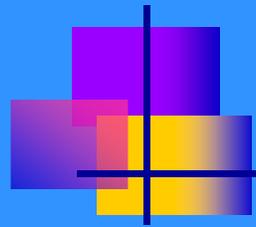
Harvard Pit 1999





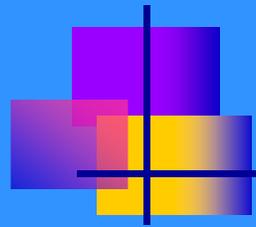
Downgradient Domestic Wells





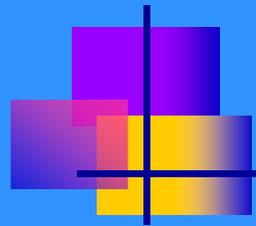
Violations of WDRs

- Both ground and surface water have been degraded
- Required financial assurances are not available
- Closure of the tailings management facility has not started



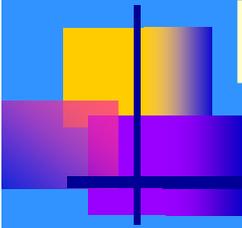
C&A Order

- C&A set dates for:
 - Closure Plan & Completion of Final Closure
 - Work plan for source control & cleanup.
 - Start cleanup of discharges
 - Start cleanup of groundwater
 - Financial assurances



Violations of C&A Order

- All the dates were missed.
- The Closure Plan & the Work Plan for Groundwater Impacts were inadequate.
- Work toward Closure & Cleanup of discharges and of groundwater never started.
- Financial assurances have not been submitted.



End of Slide Show
