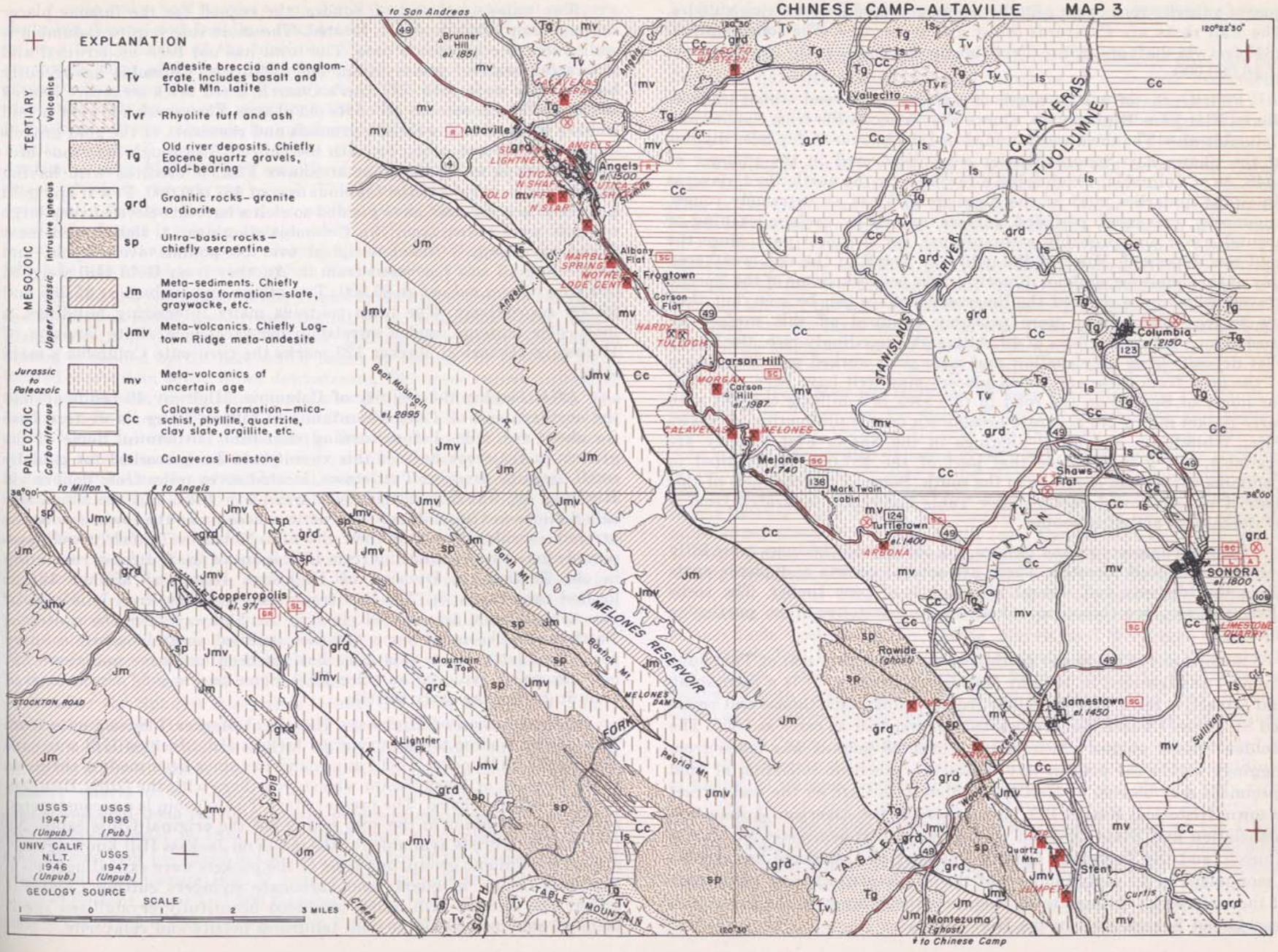
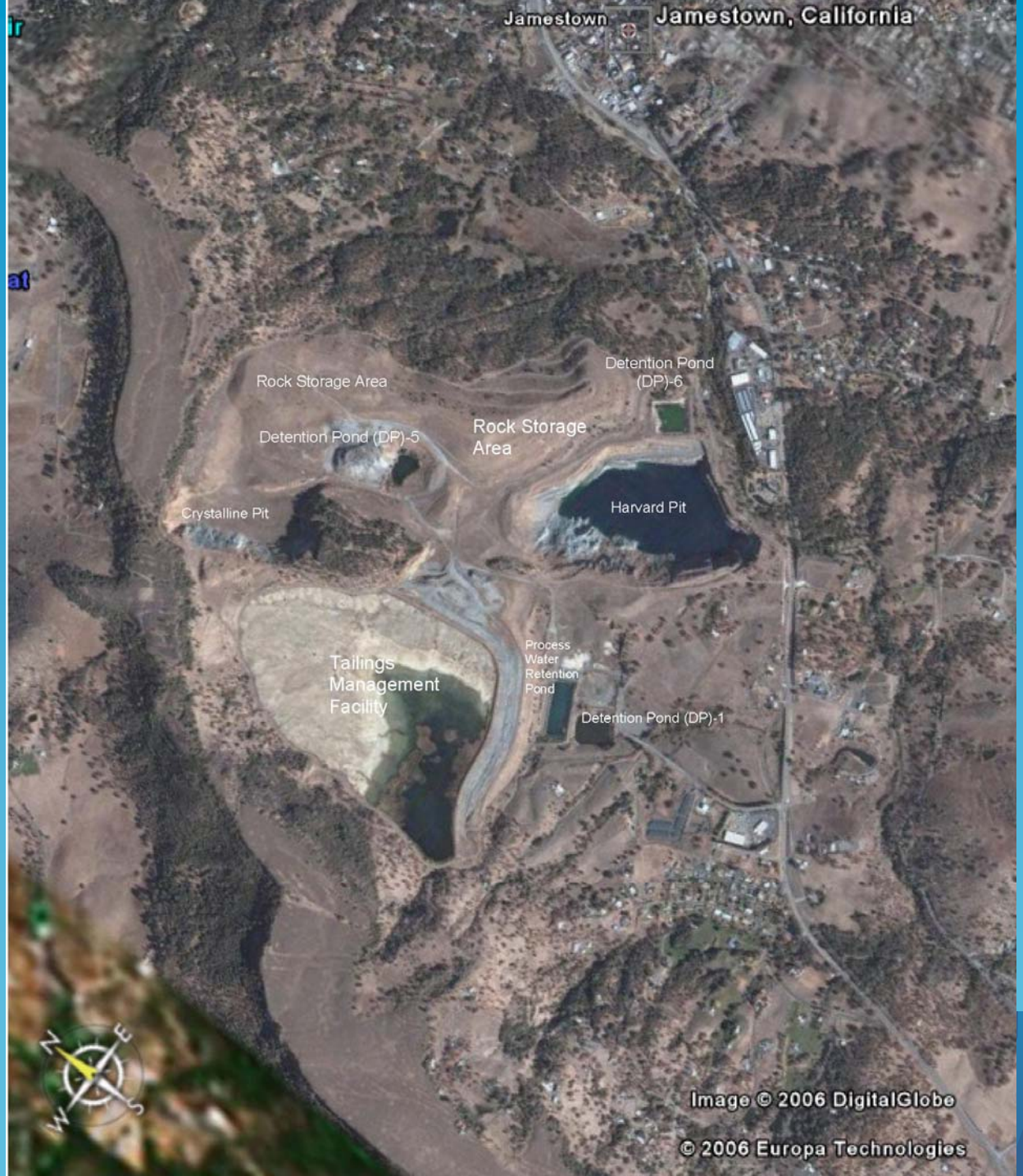
- Jamestown Mine Nugget Discovered in Crystalline Pit on December 26, 1992. Worlds largest crystalline nugget.


CHINESE CAMP-ALTAVILLE MAP 3
EXPLANATION
TERTIARY
Volcanics
Tv Andesite breccia and conglomerate. Includes basalt and Table Mtn. latite
Tvr Rhyolite tuff and ash
Tg Old river deposits. Chiefly Eocene quartz gravels, gold-bearing
MESOZOIC
Intrusive igneous
grd Granitic rocks—granite to diorite
sp Ultra-basic rocks—chiefly serpentine
Upper Jurassic
Jm Meta-sediments. Chiefly Mariposa formation—slate, graywacke, etc.
Jmv Meta-volcanics. Chiefly Logtown Ridge meta-andesite
Jurassic to Paleozoic
mv Meta-volcanics of uncertain age
PALEOZOIC
Carboniferous
Cc Calaveras formation—mica-schist, phyllite, quartzite, clay slate, argillite, etc.
ls Calaveras limestone
to San Andreas
Brunner Hill el. 1851
Altaville
Angels el. 1500
Albany Flat
Frogtown
Carson Flat
Carson Hill
Carson Hill el. 1987
Melones
Melones el. 740
Mark Twain cabin
Tuttletown el. 1400
Vallecito
Columbia el. 2150
Shaws Flat
SONORA el. 1800
Jamestown el. 1450
Rawhide (ghost)
Montezuma (ghost)
Copperopolis el. 971
Bear Mountain el. 2895
Mountain Top
Lightner Pk.
MELONES RESERVOIR
MELONES DAM
SOUTH FORK
TABLE MOUNTAIN
CALAVERAS
TUOLUMNE
STANISLAUS RIVER
to Milton
to Angels
to Chinese Camp
STOCKTON ROAD
USGS 1947 (Unpub.)
USGS 1896 (Pub.)
UNIV. CALIF. N.L.T. 1946 (Unpub.)
USGS 1947 (Unpub.)
GEOLOGY SOURCE
SCALE
1 0 1 2 3 MILES


Jamestown
Jamestown, California
Rock Storage Area
Detention Pond (DP)-6
Detention Pond (DP)-5
Rock Storage Area
Crystalline Pit
Harvard Pit
Tailings Management Facility
Process Water Retention Pond
Detention Pond (DP)-1
Image © 2006 DigitalGlobe
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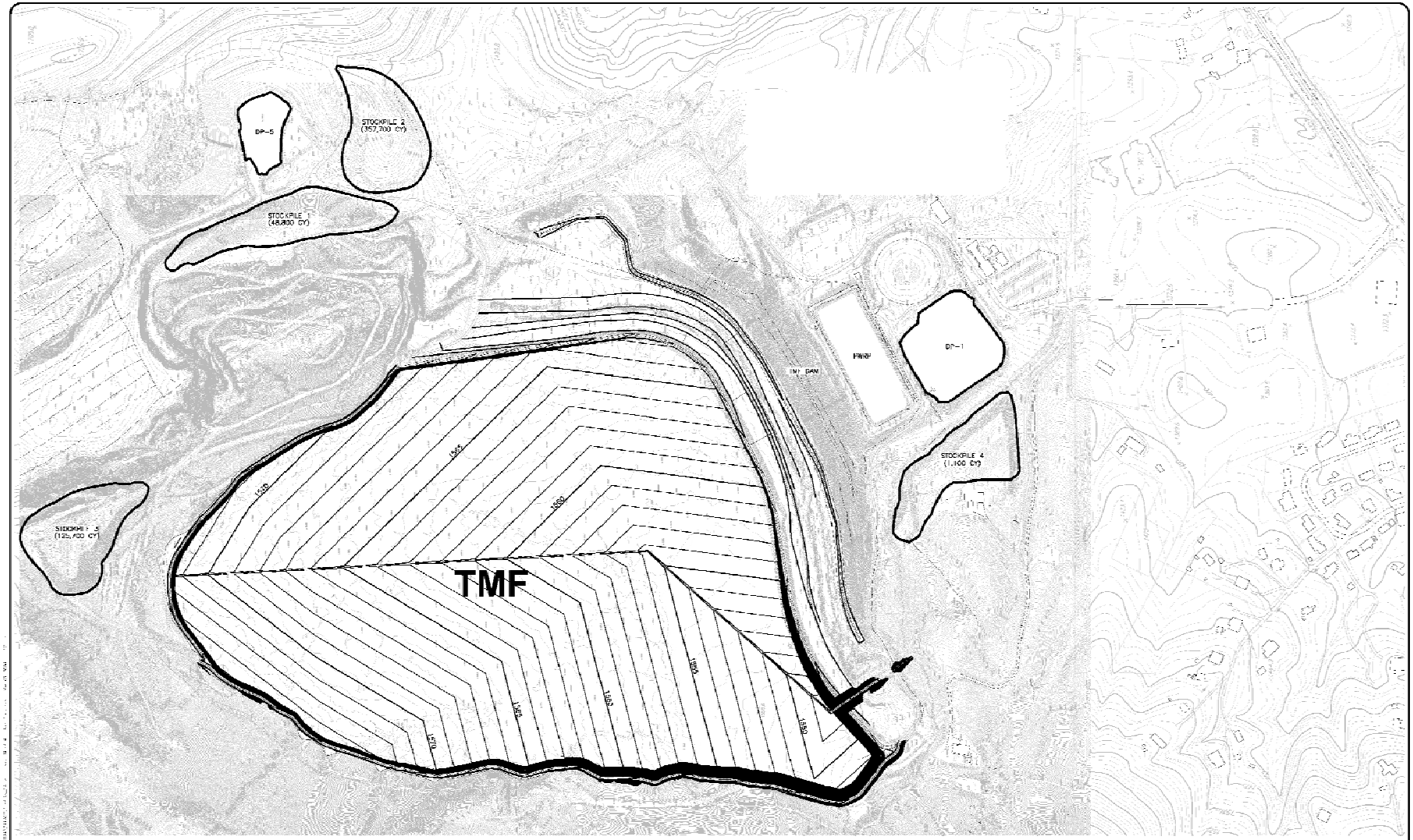
Harvard Pit 1994

TMF Design

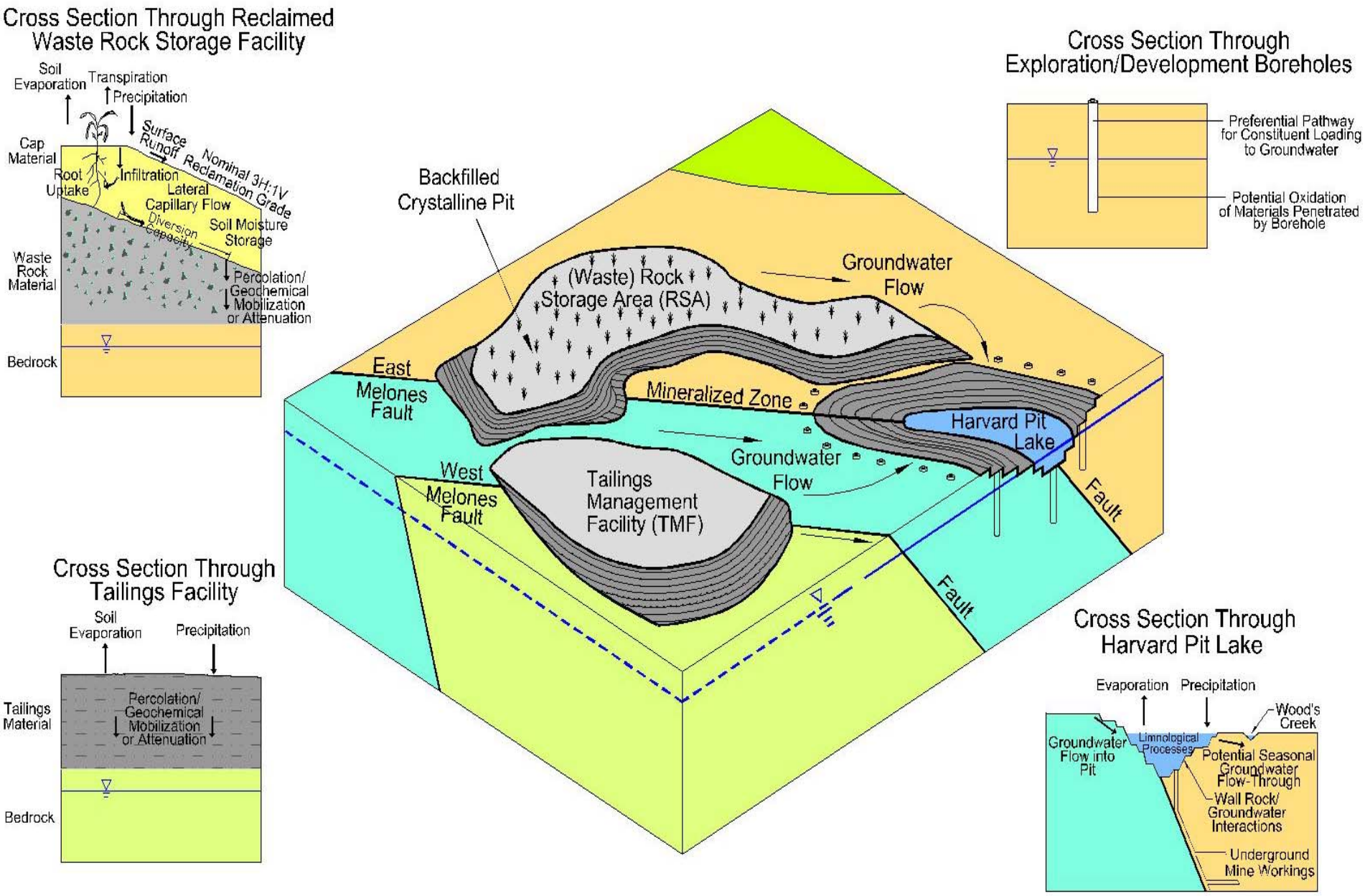


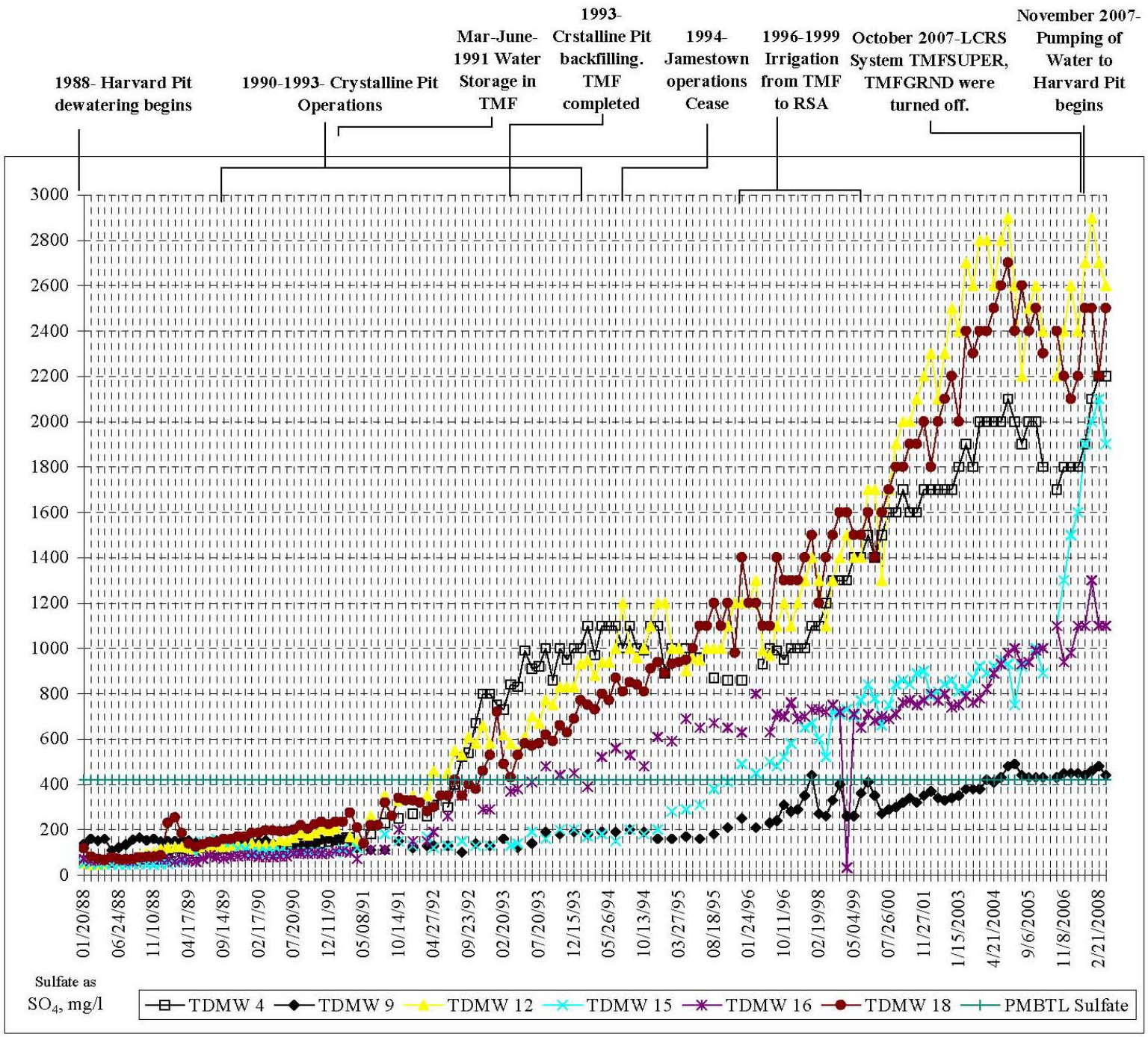
DP-5
STOCKPILE 2
(357,700 CY)
STOCKPILE 1
(48,800 CY)
DP-1
PWRP
TMF DAM
STOCKPILE 4
(1,100 CY)
STOCKPILE 3
(125,400 CY)
TMF
1570
1565
1560
1555
1550
LEGEND
FENCE
HORIZONTAL/VERTICAL SLOPE
GRADE
1570 TOP OF FOUNDATION LAYER
SCALE IN FEET
0 200 400
2 6/12/07 REVISED FOR SPILLWAY F.M. R.W. R.W.
1 4/11/07 REVISED TO AVOID PUMPING F.M. R.W. R.W.
0 1/5/07 ISSUED FOR BIDDING F.M. R.W. R.W.
REV DATE DESCRIPTION DWN BY DES BY CHK BY APP BY
DATE OF ISSUE JUNE 07
DWN BY F. MASTENI
DES BY R. WALL
CHK BY
APP BY R. WALL
Shaw Environmental, Inc.
JAMESTOWN MINE CLOSURE
TUOLUMNE COUNTY, CA
JAMESTOWN MINE CLOSURE
SITE PLAN
DRAWING NO.
1
PROJECT NO.

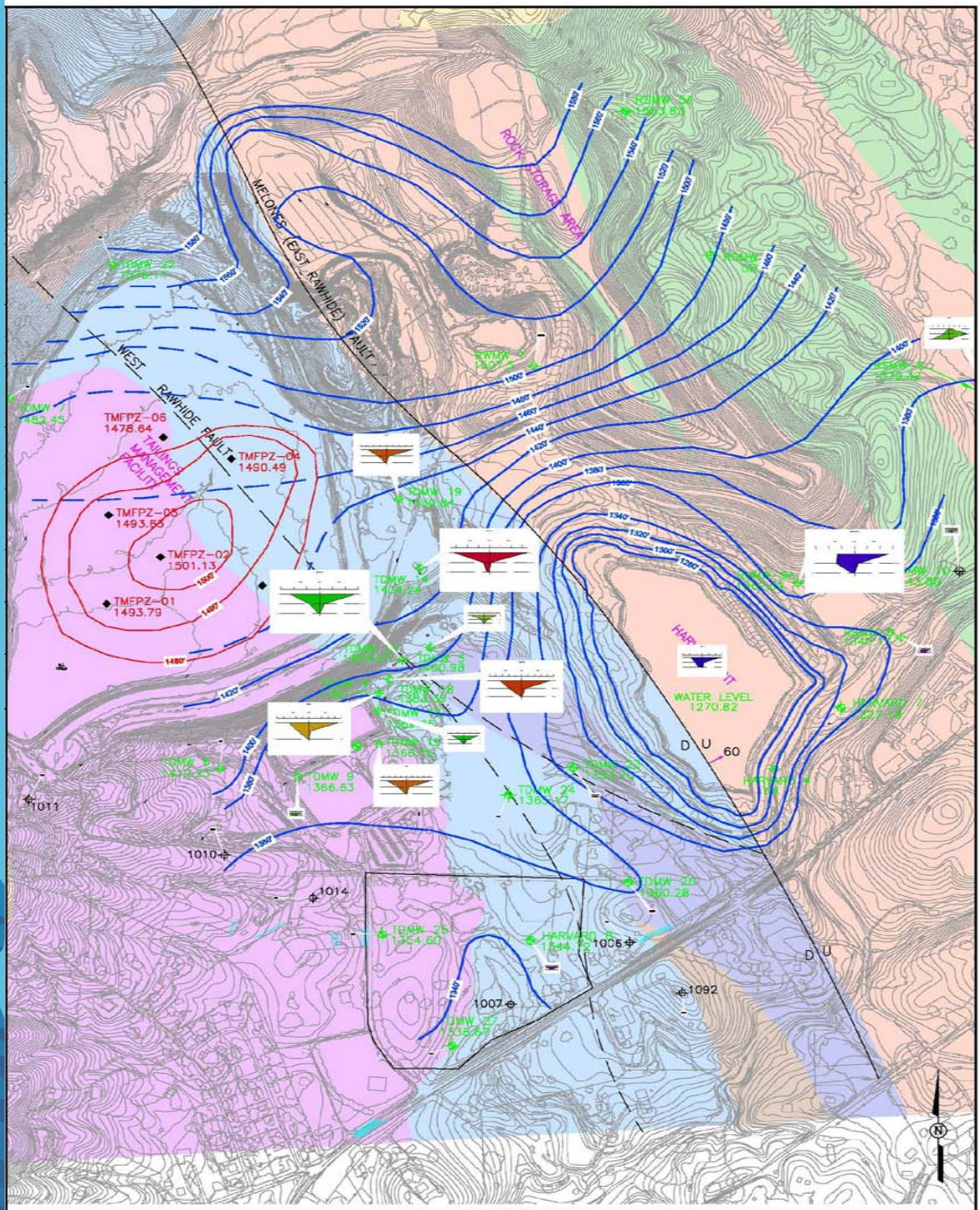
TMF before

TMF after

Geologic Model of Jamestown Mine Site




1988- Harvard Pit dewatering begins
1990-1993- Crystalline Pit Operations
Mar-June-1991 Water Storage in TMF
1993- Crstalline Pit backfilling. TMF completed
1994- Jamestown operations Cease
1996-1999 Irrigation from TMF to RSA
October 2007-LCRS System TMFSUPER, TMFGRND were turned off.
November 2007- Pumping of Water to Harvard Pit begins
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
01/20/88
06/24/88
11/10/88
04/17/89
09/14/89
02/17/90
07/20/90
12/11/90
05/08/91
10/14/91
04/27/92
09/23/92
02/20/93
07/20/93
12/15/93
05/26/94
10/13/94
03/27/95
08/18/95
01/24/96
10/11/96
02/19/98
05/04/99
07/26/00
11/27/01
1/15/2003
4/21/2004
9/6/2005
11/8/2006
2/21/2008
Sulfate as SO_4, mg/l
TDMW 4
TDMW 9
TDMW 12
TDMW 15
TDMW 16
TDMW 18
PMBTL Sulfate



LEGEND

- EXISTING JAMESTOWN MINE WELL LOCATION
- NEW PHASE I MONITORING WELL LOCATION
- EXISTING PRIVATE WELL LOCATION – SAMPLED MARCH 2007
- GROUNDWATER ELEVATION CONTOUR LINE
- GROUNDWATER CHEMISTRY – STIFF DIAGRAM

OLIVINE GABBRO | CONSUMES | LOGTOWN RIDGE
SERPENTINE | LATITE | PHYLLITE | GREENSCHIST

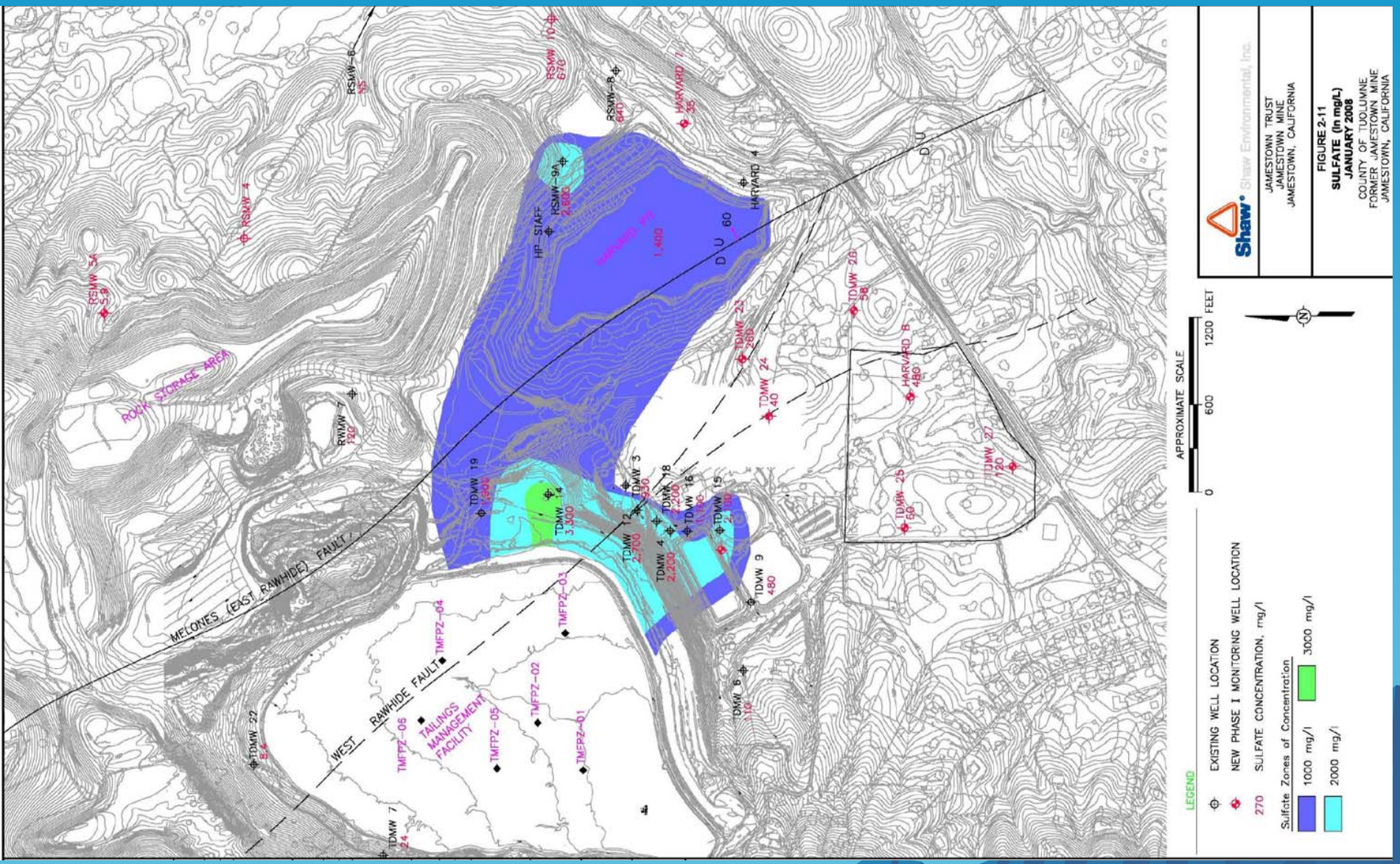
APPROXIMATE SCALE
0 600 1200 FEET

Shaw Environmental, Inc.

JAMESTOWN TRUST
JAMESTOWN MINE
JAMESTOWN, CALIFORNIA

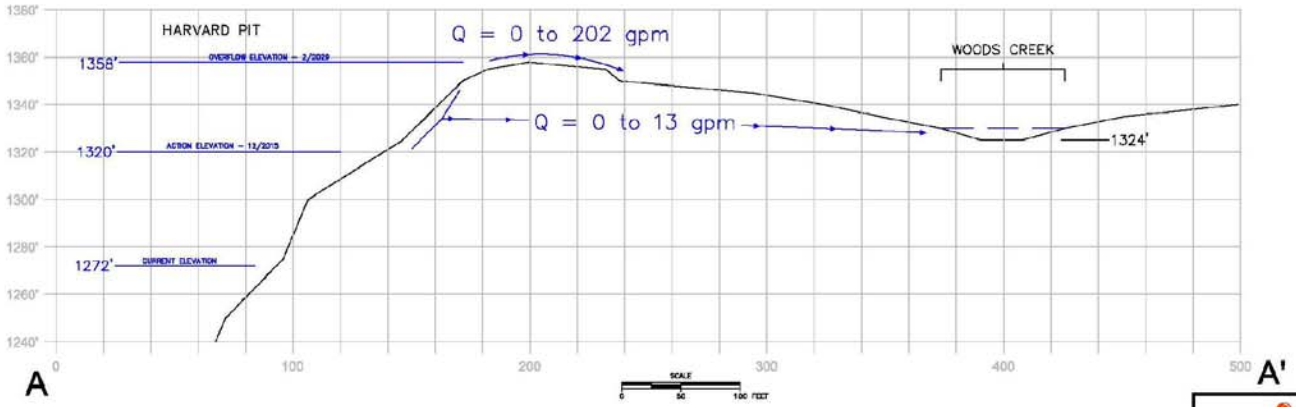
FIGURE 2-9
SCALED WATER CHEMISTRY DIAGRAM
1st QUARTER 2008
COUNTY OF TUOLUMNE
FORMER JAMESTOWN MINE
JAMESTOWN, CALIFORNIA

Groundwater Plume Map



Over Flow Point

PLAN VIEW



CROSS-SECTION A-A'

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JAMESTOWN MINE
JAMESTOWN, CALIFORNIA

FIGURE 3-12
HARVARD PIT OVERFLOW POINT PLAN VIEW AND CROSS-SECTION
COUNTY OF TUOLUMNE
FORMER JAMESTOWN MINE
JAMESTOWN, CALIFORNIA