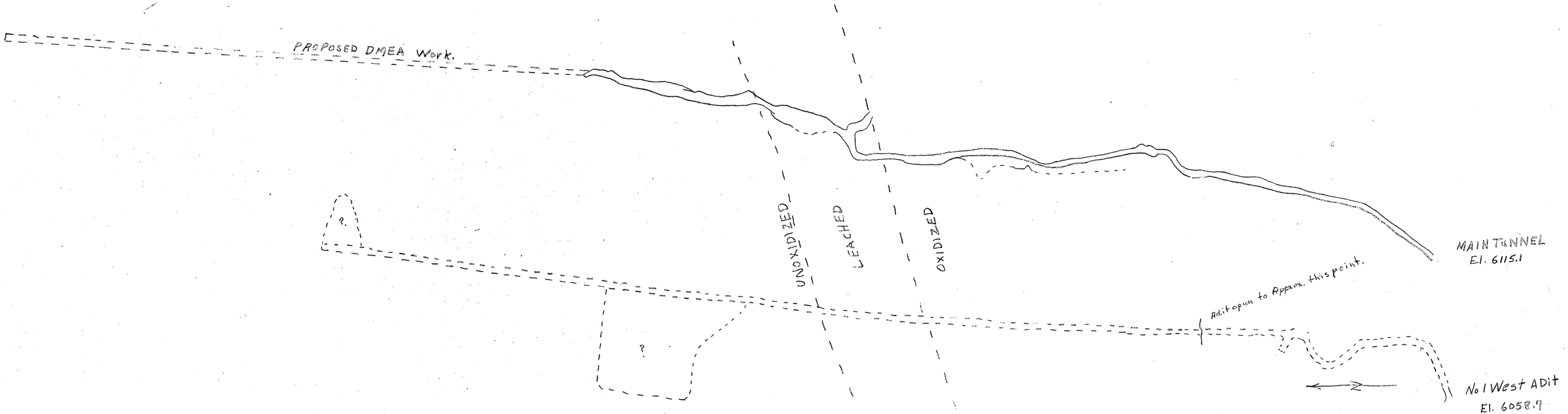
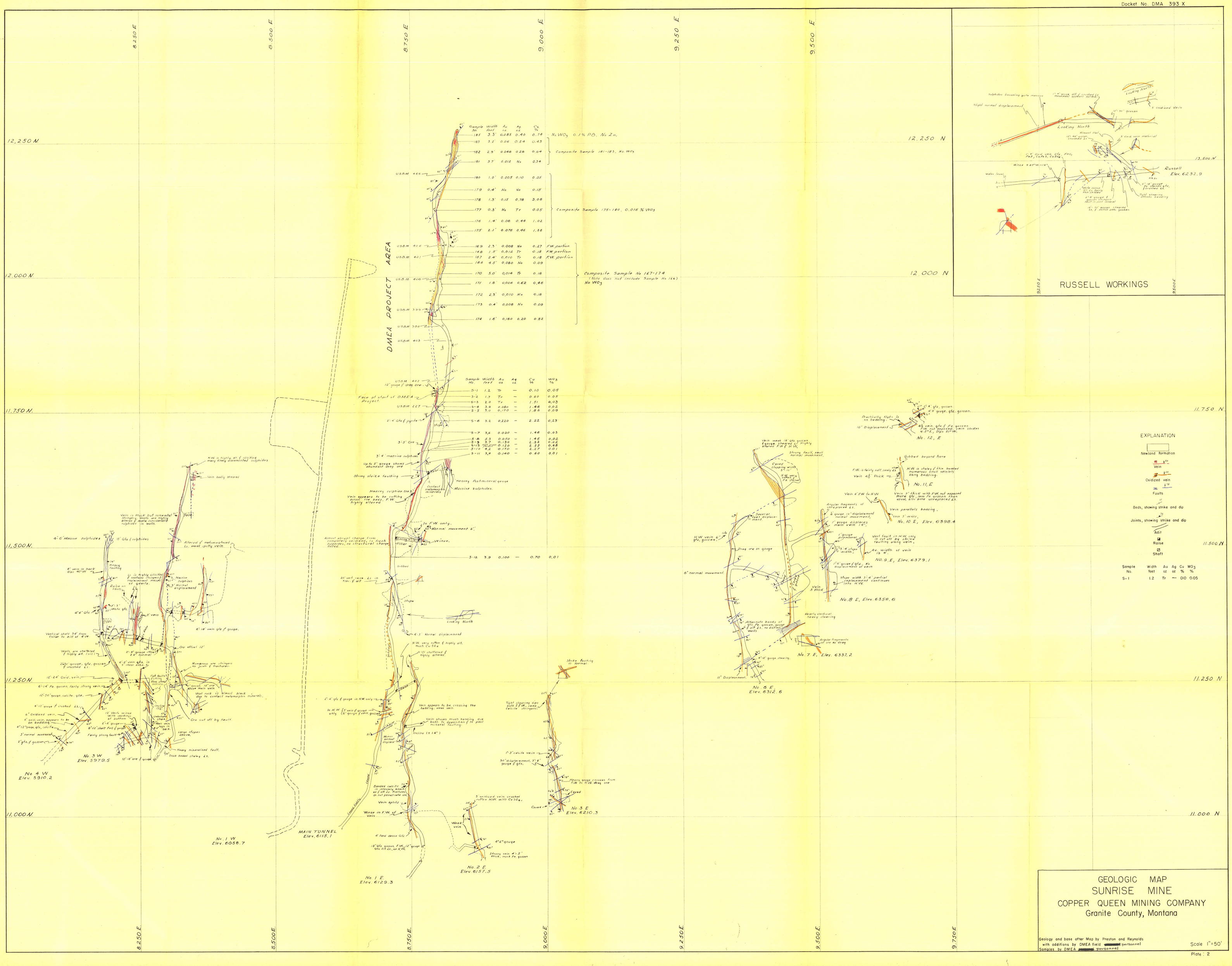
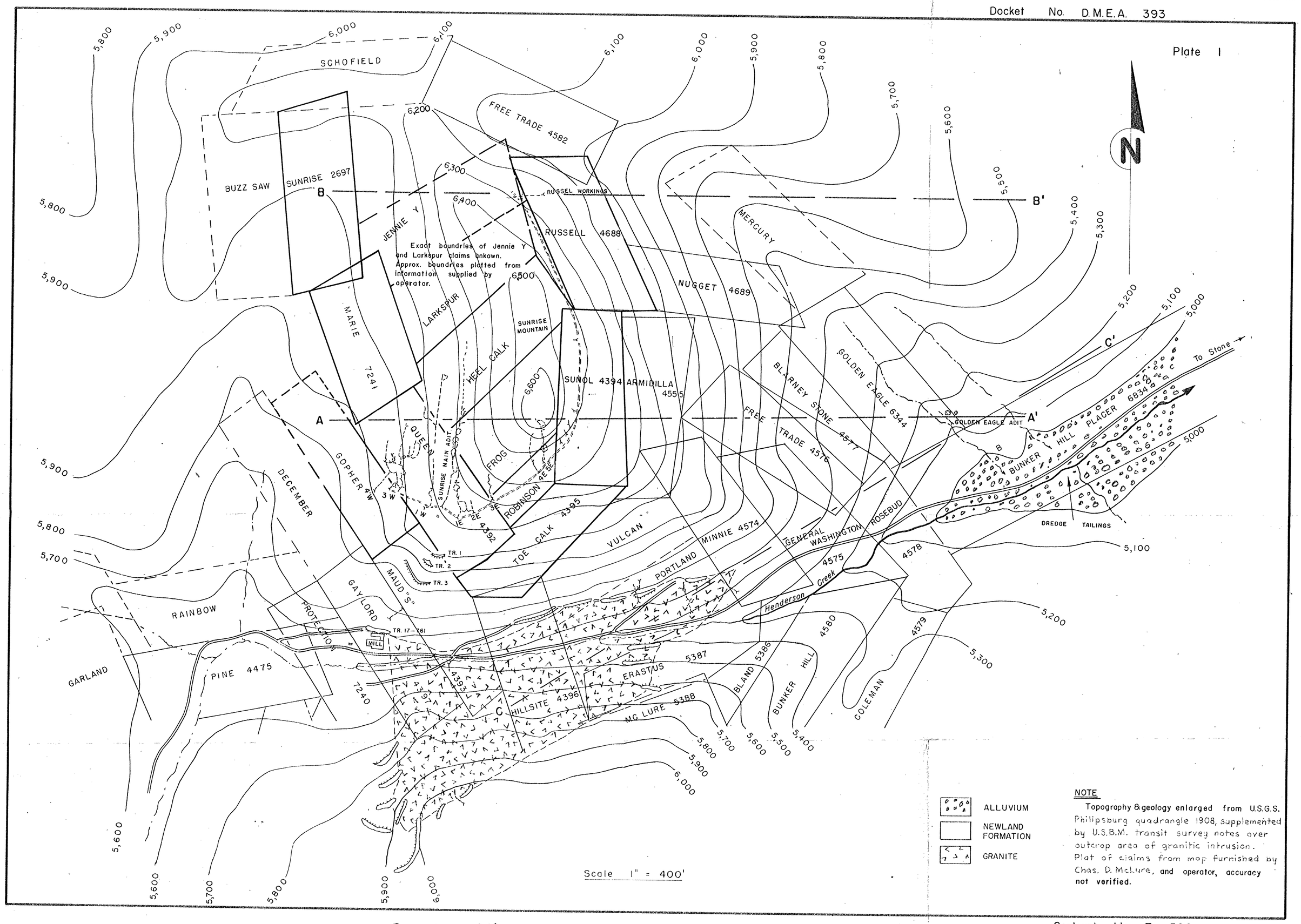
Queen Mining Syndicate
DMEA 393.
Scale 1" = 50'




8,250 E
8,500 E
8,750 E
9,000 E
9,250 E
9,500 E
9,750 E
12,250 N
12,000 N
11,750 N
11,500 N
11,250 N
11,000 N
DMEA PROJECT AREA
Sample No. | Width feet | Au oz | Ag oz | Cu % | WO3 %
185 3.3' 0.085 0.40 0.74 No WO3 0.1% PB, No Zn.
183 3.2' 0.06 0.24 0.43
182 2.9' 0.048 0.28 0.04 Composite Sample 181-183, No WO3
181 3.7' 0.012 No 0.34
180 1.0' 0.005 0.10 0.05
179 0.4' No No 0.15
178 1.3' 0.15 0.78 3.06
177 0.3' No Tr 0.05 Composite Sample 175-180, 0.016 % WO3
176 1.4' 0.08 0.44 1.02
175 2.1' 0.076 0.46 1.36
169 2.5' 0.008 No 0.27 F.W. portion
168 1.5' 0.012 Tr 0.18 F.W. portion
167 2.4' 0.010 Tr 0.18 F.W. portion
166 4.5' 0.080 No 0.09
170 5.0' 0.014 Tr 0.18
171 1.8' 0.006 0.62 0.46 Composite Sample No 167-174 (Note does not include Sample No 166) No WO3
172 2.3' 0.010 No 0.18
173 0.4' 0.008 No 0.09
174 1.6' 0.180 0.20 0.82
USBM 406
USBM 405
USBM 404
USBM 399
USBM 398
USBM 403
USBM 402
USBM 227
12" gauge f. stray ore
Face of start of DMEA Project
2'-4" qtz f pyrite
3'-5" Ore
3'-4" massive sulphides
Up to 2' gauge shows abundant stray ore
Strong strike faulting
Heavy sulphide ore
Vein appears to be cutting across the beds. F.W. highly altered
Heavy Postmineral gouge
Contact metamorphic minerals
Massive sulphides.
In F.W. only.
Normal movement 6".
Winze.
Almost abrupt change from completely oxidized to fresh sulphides, no structural change noted.
Sample No. | Width feet | Au oz | Ag oz | Cu % | WO3 %
S-1 1.2 Tr — 0.10 0.05
S-2 1.7 Tr — 0.60 0.05
S-3 2.0 Tr — 1.51 0.03
S-4 3.8 0.080 — 1.46 0.02
S-5 3.0 0.170 — 1.86 0.09
S-6 3.2 0.220 — 2.22 0.23
S-7 3.6 0.030 — 1.46 0.03
S-8 5.3 0.050 — 1.46 0.02
S-9 5.7 0.130 — 2.32 0.02
S-10 7.1 0.120 — 2.22 0.68
S-11 3.4 0.170 — 2.27 0.01
S-12 3.9 0.100 — 0.70 0.01
Stope
Looking North
4'-5' Normal displacement.
H.W. very rotten & highly alt. much Cu Stg.
F.W. shattered & highly altered.
Strike faulting is normal.
Tight shearing dips both F.W. & H.W. Calcite stringers.
Heavy gouge crosses from F.W. to H.W. drag ore
Covered
No. 3 E
Elev. 6210.3
No. 1 E
Elev. 6129.3
No. 2 E
Elev. 6157.5
MAIN TUNNEL
Elev. 6115.1
No. 1 W
Elev. 6058.7
No 3 W
Elev. 5979.5
No 4 W
Elev. 5910.2
No. 6 E
Elev. 6312.6
No. 7 E, Elev. 6337.2
No. 8 E, Elev. 6358.6
No. 9 E, Elev. 6379.1
No. 10 E, Elev. 6398.4
No. 11, E
No. 12, E
RUSSELL WORKINGS
Russell
Elev. 6232.9
EXPLANATION
Newland formation
Vein
Oxidized vein
Faults
Beds, showing strike and dip
Joints, showing strike and dip
Adit
Raise
Shaft
Sample No. | Width feet | Au oz | Ag oz | Cu % | WO3 %
S-1 1.2 Tr — 0.10 0.05
GEOLOGIC MAP
SUNRISE MINE
COPPER QUEEN MINING COMPANY
Granite County, Montana
Geology and base after Map by Preston and Reynolds with additions by DMEA field personnel
Samples by DMEA personnel
Scale 1"=50'
Plate 2

34
35
T 9N.R 14W By Protraction
T 8N.R 14W
Salamander
Silver Eagle
Golden Eagle
Rainbow
Philip-S Location
10-15-94
4-22-1890
N.D.G. Valley El. Centro
Olive
Garland
Cypress
Lottie
HERMAN
HILL S.
MINING CLAIM
HENDERSON MINING DI
GRANITE COUNTY

Plate I



NOTE

Topography & geology enlarged from U.S.G.S. Philipsburg quadrangle 1908, supplemented by U.S.B.M. transit survey notes over outcrop area of granitic intrusion. Plat of claims from map furnished by Chas. D. McLure, and operator, accuracy not verified.

Sunrise Mine —— Granite County, Montana.

Contract, Idm. E — 586