

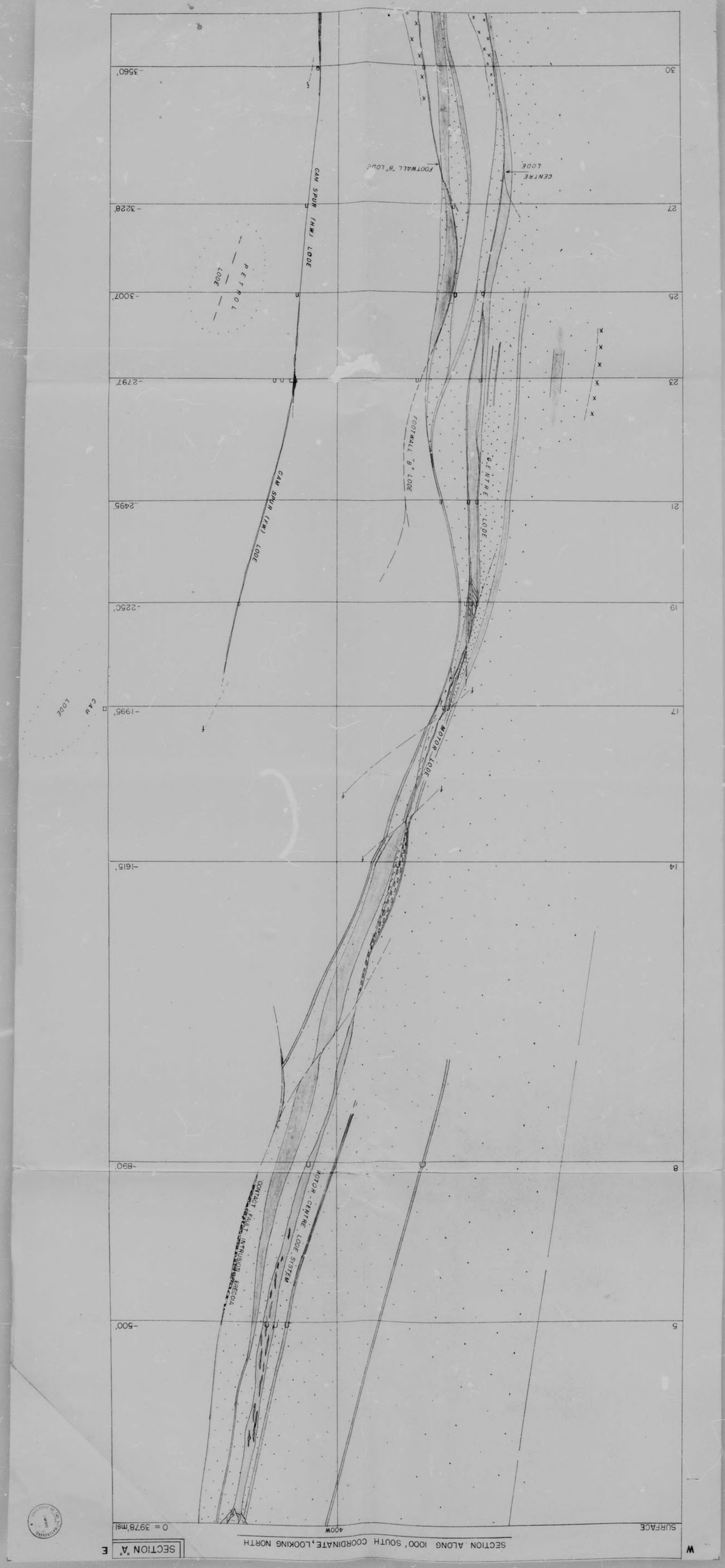
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The geology of the Cam and Motor Mine

Hartman, Louis W.

2015-05-04
http://hdl.handle.net/10539/17602

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SECTION 'A'
SECTION ALONG 1000' SOUTH COORDINATE, LOOKING NORTH
W
E
SURFACE
4200W
0 = 3978'msl
-500'
-830'
-1615'
-1995'
-2250'
-2495'
-2797'
-3007'
-3228'
-3560'
5
8
14
17
19
21
23
25
27
30
CAN SHALE (HW) LODE
3200' (HW) BIRDS HEAD
PETROL LODE
FOOTWALL 'B' LODE
CENTRE LODE
3200' 'B' FOOTWALL LODE
CENTRE LODE
MOTOR LODE
MOTOR - CENTRE LODE SYSTEM
CONTACT FAULT INTRUSIVE BRECCIA
CAN LODE

CAM AND MOTOR MINE

FLOWPLAN



D18/24

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THE CAM AND MOTOR GOLD MINE
—GEOLOGICAL PLAN—
LEVEL NUMBER 39

ELEVATION -5360' DATUM SURFACE

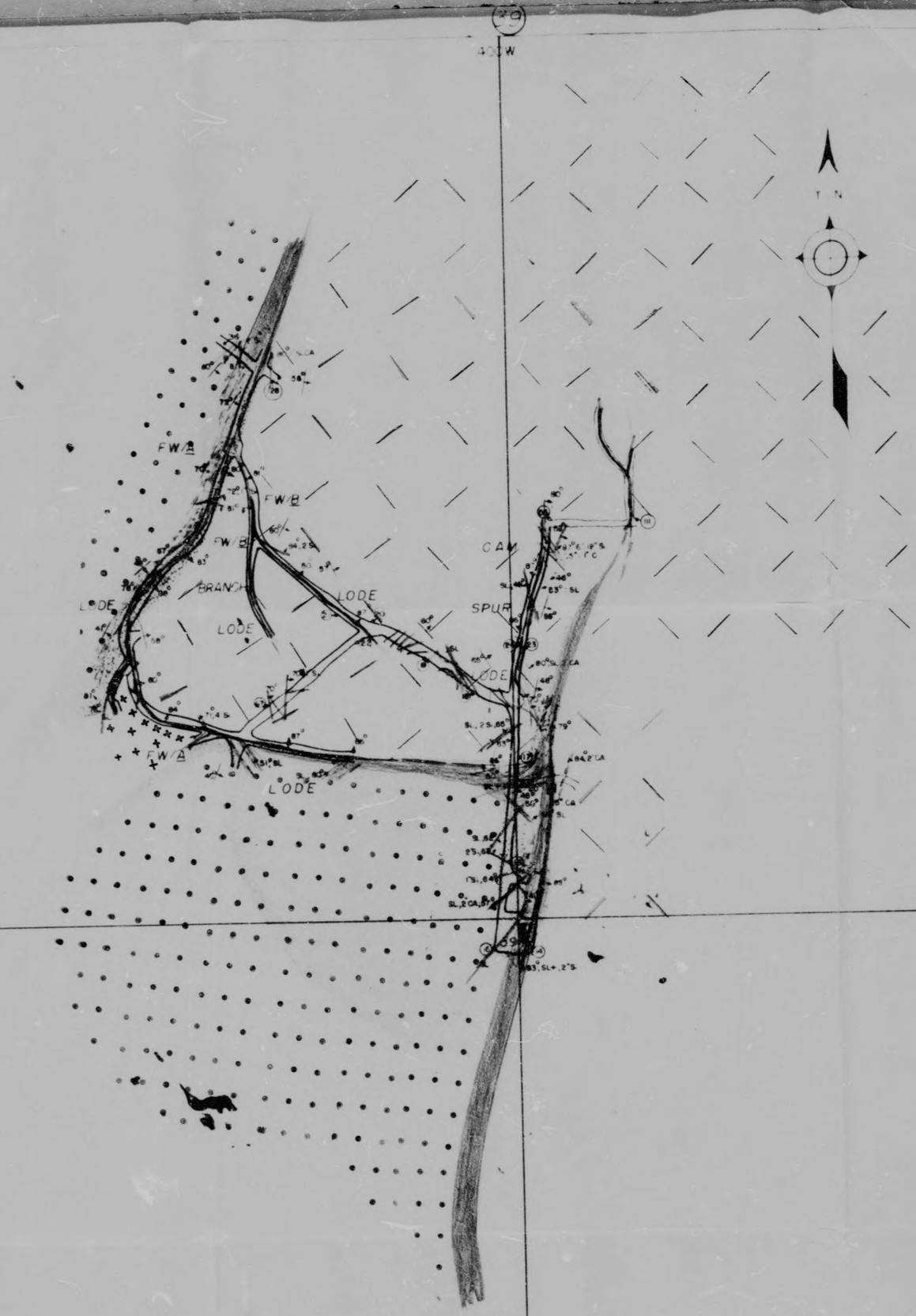
LEGEND

GREENSTONE (MEDIUM LAVA & CHLORITIC)
DOLERITIC-GREENSTONE INTRUSIVE
GRANULAR SEDIMENT (GREYWACKE, ARKOSE, QUARTZITE)
SHALE
CHERT

Q QUARTZ VEINLET
CA CALCITE VEINLET
SL SLIP OR MINOR FAULT
SM SHEAR OR JOINT PLANE
SSh SLIP SHALE
Sb STIBNITE
73° DIP OF FEATURE
50° STRIKE & DIP OF STRATA OR FOLIAE
ROCK SPECIMEN
MINERAL SPECIMEN
SPECIAL SPECIMEN
CONTACT

SCALE 1" = 100'

BY L.W. HARTMAN





38

THE CAM AND MOTOR GOLD MINE

—GEOLOGICAL PLAN—

LEVEL NUMBER 38

ELEVATION 5160' DATUM: SURFACE

LEGEND

GREENSTONE (PILLOW LAVA & CHLORITIC)

DOLERITIC-GREENSTONE INTRUSIVE

GRANULAR SEDIMENT: (GREYWACKE, ARKOSE, QUARTZITE)

SHALE

CHERT

QUARTZ VEINLET

CALCITE VEINLET

SLIP OR MINOR FAULT

SHEAR OR JOINT PLANE

SLIP SHALE

STIBNITE

DIP OF FEATURE

STRIKE & DIP OF STRATA OR FOLIAE

ROCK SPECIMEN

MINERAL SPECIMEN

SPECIAL SPECIMEN

CONTACT

SCALE 1" = 100'

BY L.W. HARTMAN



THE CAM AND MOTOR GOLD MINE

—GEOLOGICAL PLAN—

LEVEL NUMBER 36

ELEVATION -4760' DATUM SURFACE

LEGEND

GREENSTONE (PILLOW LAVA & CHLORITIC)

DOLERITIC-GREENSTONE INTRUSIVE

GRANULAR SEDIMENT: (GREYWACKE, ARKOSE, QUARTZITE)

SHALE

CHERT

SCALE 1" = 100'

BY L.W. HARTMAN

- QUARTZ VEINLET
- CALCITE VEINLET
- SLIP OR MINOR FAULT
- SHEAR OR JOINT PLANE
- SLIP SHALE
- STIBNITE
- DIP OF FEATURE
- STRIKE & DIP OF STRATA OR FOLIAE
- ROCK SPECIMEN
- MINERAL SPECIMEN
- SPECIAL SPECIMEN
- CONTACT

36

100 W 200 W 300 W 400 W 500 W 600 W 700 W 800 W 900 W 1000 W

100 E

100 S 200 S 300 S 400 S 500 S 600 S 700 S 800 S 900 S 1000 S 1100 S 1200 S 1300 S 1400 S 1500 S

T N

CAM

SPUR

LODE

FW/B

FW/A

CENTRE

LODE

LODE

LODE

SHATTERED ZONE

1000 S

400W

RECORD

THE CAM AND MOTOR GOLD MINE

—GEOLOGICAL PLAN—

LEVEL NUMBER 37

ELEVATION -4960' DATUM: SURFACE

LEGEND

GREENSTONE (PILLOW LAVA & CHLORITIC)
DOLERITIC-GREENSTONE
INTRUSIVE
GRANULAR SEDIMENT: (GREYWACKE, ARKOSE, QUARTZITE)
SHALE
CHERT

QUARTZ VEINLET
CALCITE VEINLET
SLIP OR MINOR FAULT
SHEAR OR JOINT PLANE
SLIP SHALE
STIBNITE
DIP OF FEATURE
STRIKE & DIP OF STRATA OR FOLIAE
ROCK SPECIMEN
MINERAL SPECIMEN
SPECIAL SPECIMEN
CONTACT

SCALE 1" = 100'

BY L.W. HARTMAN

37

CAM
SPUR
LODE
LODE
FW/B
FW/A
LODE
SHATTERED ZONE
CONT SCHIST

400W
1000S

THE CAM AND MOTOR GOLD MINE

—GEOLOGICAL PLAN—

LEVEL NUMBER 34

ELEVATION -4360' DATUM: SURFACE

LEGEND

GREENSTONE (PILLOW LAVA & CHLORITIC)

DOLERITIC-GREENSTONE INTRUSIVE

GRANULAR SEDIMENT: (GREYWACKE, ARKOSE, QUARTZITE)

SHALE

CHERT

QUARTZ VEINLET

CALCITE VEINLET

SLIP OR MINOR FAULT

SHEAR OR JOINT PLANE

SLIP SHALE STIBNITE

DIP OF FEATURE

STRIKE & DIP OF STRATA OR FOLIAE

ROCK SPECIMEN

MINERAL SPECIMEN

SPECIAL SPECIMEN

CONTACT

SCALE 1" = 100'

BY L.W. HARTMAN

34

400W

500S

600S

700S

800S

900S

1000S

1100S

1200S

1300S

1400S

1500S

1600S

1700S

1800S

1900S

2000S

700W 800W 600W 500W 400W 300W 200W 100W

CAM

SPUR

FW A

FW B

CENTRE LODE

LODE

LODE

LODE

CAM

LODE

T N

SURFACE SHAFT

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THE CAM AND MOTOR GOLD MINE

—GEOLOGICAL PLAN—

LEVEL NUMBER 32

ELEVATION -3960' DATUM: SURFACE

LEGEND

GREENSTONE (PILLOW LAVA & CHLORITIC)

DOLERITIC-GREENSTONE INTRUSIVE

GRANULAR SEDIMENT: (GREYWACKE, ARKOSE, QUARTZITE)

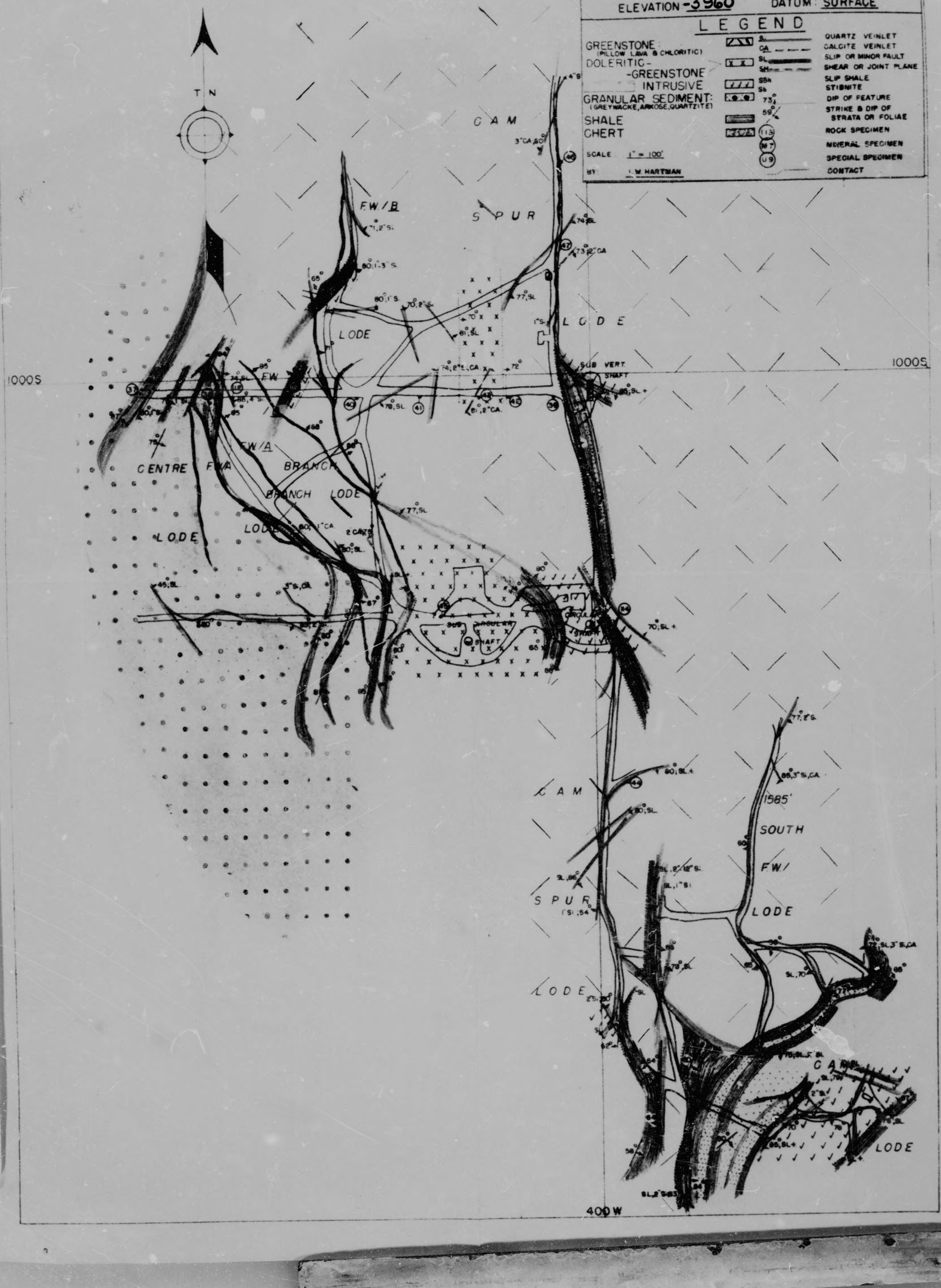
SHALE

CHERT

SCALE 1" = 100'

BY L.W. HARTMAN

- Q — QUARTZ VEINLET
- CA — CALCITE VEINLET
- SL — SLIP OR MINOR FAULT
- SH — SHEAR OR JOINT PLANE
- SSh — SLIP SHALE
- Sb — STIBNITE
- 73° — DIP OF FEATURE
- 59° — STRIKE & DIP OF STRATA OR FOLIAE
- U 5 — ROCK SPECIMEN
- M 7 — MINERAL SPECIMEN
- U 9 — SPECIAL SPECIMEN
- CONTACT



THE CAM AND MOTOR GOLD MINE

—GEOLOGICAL PLAN—

LEVEL NUMBER 30

ELEVATION -3560' DATUM: SURFACE

LEGEND

GREENSTONE (PILLOW LAVA & CHLORITIC)

DOLERITIC - -GREENSTONE - INTRUSIVE

GRANULAR SEDIMENT (GREYWACKE, ARKOSE, QUARTZITE)

SHALE

CHERT

SCALE 1" = 100'

BY L.W. HARTMAN

QUARTZ VEINLET

CALCITE VEINLET

SLIP OR MINOR FAULT

SHEAR OR JOINT PLANE

SLIP SHALE

STIBNITE

DIP OF FEATURE

STRIKE & DIP OF STRATA OR FOLIAE

ROCK SPECIMEN

MINERAL SPECIMEN

SPECIAL SPECIMEN

CONTACT

30

400 W

1000 S

N

MAIN SHAFT (122)

SHAFT (121)

FW/B

LODE

CENTRE LODE

FW/A

CAM LODE

PETROL LODE

SPUR LODE

1585' SOUTH FW/1 LODE

CAM LODE

400W

27

THE CAM AND MOTOR GOLD MINE

—GEOLOGICAL PLAN—

LEVEL NUMBER 27

ELEVATION -3228' DATUM: SURFACE

LEGEND

GREENSTONE (PILLOW LAVA & CHLORITIC)

DOLERITIC-GREENSTONE INTRUSIVE

GRANULAR SEDIMENT: (GREYWACKE, ARKOSE, QUARTZITE)

SHALE

CHERT

SCALE 1" = 100'

BY L.W. HARTMAN

QUARTZ VEINLET

CALCITE VEINLET

SLIP OR MINOR FAULT

SHEAR OR JOINT PLANE

SLIP SHALE STISNITE

DIP OF FEATURE

STRIKE & DIP OF STRATA OR FOLIAE

ROCK SPECIMEN

MINERAL SPECIMEN

SPECIAL SPECIMEN

CONTACT

400 W

1000 S

MAIN SHAFT

CAM

SPUR LODE

PETROL LODE

FW/A

FW/B

FW/C

CENTRE LODE

LODES

LODE

40pW

THE CAM AND MOTOR GOLD MINE

—GEOLOGICAL PLAN—

LEVEL NUMBER 25

ELEVATION -3007' DATUM SURFACE

LEGEND

GREENSTONE (PILLOW LAVA & CHLORITIC)

DOLERITIC-GREENSTONE INTRUSIVE

GRANULAR SEDIMENT (GREYWACKE, ARKOSE, QUARTZITE)

SHALE

CHERT

SCALE 1" = 100'

BY L.W. HARTMAN

Sv QUARTZ VEINLET

CA CALCITE VEINLET

SL SLIP OR MINOR FAULT

SHEAR OR JOINT PLANE

SSh SLIP SHALE

Sb STIBNITE

73½° DIP OF FEATURE

59° STRIKE & DIP OF STRATA OR FOLIAE

113 ROCK SPECIMEN

M7 MINERAL SPECIMEN

U9 SPECIAL SPECIMEN

CONTACT

400W

1000S

MAIN SHAFT

PETROL LODE

CAM SPUR

FW/B LODE

CENTRE LODE

FW/A LODE

LODE

CIRC. SHAFT

CAM LODES

400W



THE CAM AND MOTOR GOLD MINE

—GEOLOGICAL PLAN—

LEVEL NUMBER 23

ELEVATION -2797' DATUM SURFACE

LEGEND

GREENSTONE (PILLOW LAVA & CHLORITIC)
DOLERITIC-GREENSTONE INTRUSIVE
GRANULAR SEDIMENT (GREYWACKE, ARKOSE, QUARTZITE)
SHALE
CHERT

QUARTZ VEIN/LET
CALCITE VEIN/LET
SLIP OR MINOR FAULT
SHEAR OR JOINT PLANE
SLIP SHALE
STIBNITE
DIP OF FEATURE
STRIKE & DIP OF STRATA OR FOLIAE
ROCK SPECIMEN
MINERAL SPECIMEN
SPECIAL SPECIMEN
CONTACT

SCALE 1" = 100'

BY L.W. HARTMAN

N

MAIN SHAFT

PETHOL LODE

CENTRE LODE

FW/A LODES

FW/B LODE

FW/C LODE

CAM SPUR LODES

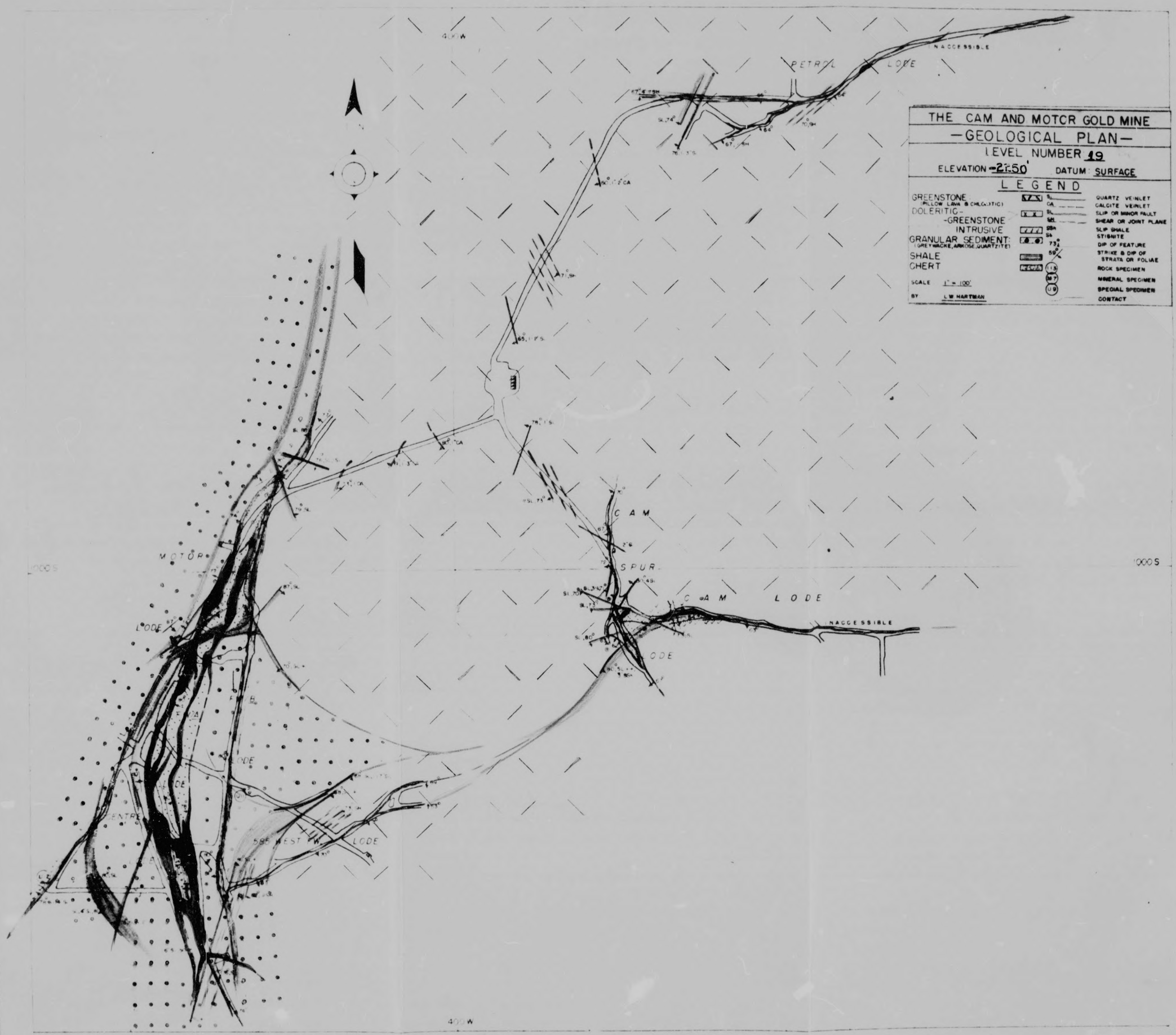
CAM LODE

CAM PARALLEL LODE

400W

RECORDAK

(13)



THE CAM AND MOTOR GOLD MINE

—GEOLOGICAL PLAN—

LEVEL NUMBER 19

ELEVATION -2250' DATUM: SURFACE

LEGEND

GREENSTONE (PILLOW LAVA & CHLORITIC)

DOLERITIC-GREENSTONE INTRUSIVE

GRANULAR SEDIMENT: (GREYWACKE, ARKOSE, QUARTZITE)

SHALE

CHERT

QUARTZ VEINLET

CALCITE VEINLET

SLIP OR MINOR FAULT

SHEAR OR JOINT PLANE

SLIP SHALE

STIBNITE

DIP OF FEATURE

STRIKE & DIP OF STRATA OR FOLIAE

ROCK SPECIMEN

MINERAL SPECIMEN

SPECIAL SPECIMEN

CONTACT

SCALE 1" = 100'

BY L.W. HARTMAN

(19)

THE CAM AND MOTOR GOLD MINE
—GEOLOGICAL PLAN—
LEVEL NUMBER 19

ELEVATION -2250' DATUM: SURFACE

LEGEND

GREENSTONE (PILLOW LAVA & CHLORITIC)
DOLERITIC-GREENSTONE INTRUSIVE
GRANULAR SEDIMENT: (GREYWACKE, ARKOSE, QUARTZITE)
SHALE
CHERT

Q — QUARTZ VEINLET
CA — CALCITE VEINLET
SL — SLIP OR MINOR FAULT
SH — SHEAR OR JOINT PLANE
SSh — SLIP SHALE
Sb — STIBNITE
73° — DIP OF FEATURE
50° — STRIKE & DIP OF STRATA OR FOLIAZ
(13) — ROCK SPECIMEN
(M7) — MINERAL SPECIMEN
(U9) — SPECIAL SPECIMEN
— CONTACT

SCALE 1" = 100'

BY L.W. HARTMAN

400W

1000S

PETROL LODE

INACCESSIBLE

CAM LODE

SPUR

MOTOR LODE

CENTRE LODE

586 WEST LODE

INACCESSIBLE

400W

17

400W

PETROL LODE

THE CAM AND MOTOR GOLD MINE
—GEOLOGICAL PLAN—
LEVEL NUMBER 17

ELEVATION -1999' DATUM SURFACE

LEGEND

GREENSTONE (PILLOW LAVA & CHLORITIC)
DOLERITIC-GREENSTONE INTRUSIVE
GRANULAR SEDIMENT (GREYWACKE, ARKOSE, QUARTZITE)
SHALE
CHERT

QUARTZ VEIN/LET
CALCITE VEIN/LET
SLIP OR MINOR FAULT
SHEAR OR JOINT PLANE
SLIP SHALE
STIBNITE
DIP OF FEATURE
STRIKE & DIP OF STRATA OR FOLIAE
ROCK SPECIMEN
MINERAL SPECIMEN
SPECIAL SPECIMEN
CONTACT

SCALE 1" = 100'

BY L.W. HARTMAN

T.N.

MAIN SHAFT

SADDLE LODE

CAM LODE

MOTOR LODE

CIRCULAR SHAFT

CENTRE LODE

SYSTEM

1000 S

1000 S

RECORDAK

THE CAM AND MOTOR GOLD MINE
—GEOLOGICAL PLAN—
LEVEL NUMBER 14
ELEVATION -1615' DATUM SURFACE

LEGEND

PETROL LODE

CAM HANGING WALL LODE

CAM LODE

CENTRE LODE

MOTOR BREAK

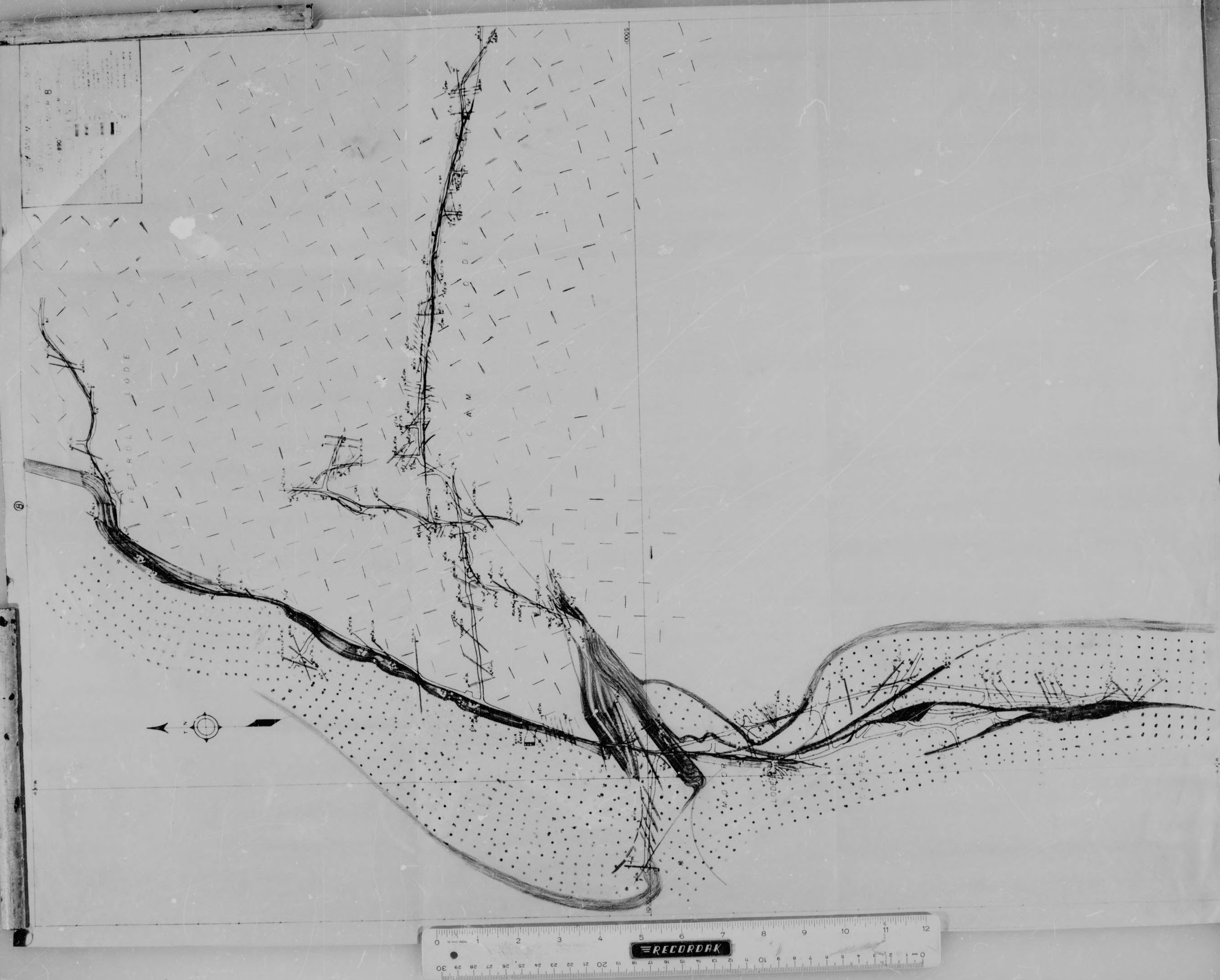
FAULT

SHAFT

DRIVE FOLLOWS BREAK FOR 2400 FEET THROUGH EILEEN ALLANAH AND ARIZONA 3 SHOOTS

400W

400S


5000'
CAMILLO DE
EL ROLLO LODE
MOCAR
LODE

1400' South

We.

Ea.

400' W.

MAIN FAULT

CENTRE LODE

F.W. /A

F.W. /B

CAM SPUR

1585' SOUTH F.W. LODE

1350' SOUTH CONT. FAULT

PETROL LODE

1250' SO. CONT. FAULT

SOUTHERN TERMINAL FAULT

CAM SPUR (S.W.)

-3560' 30

-3960' 32

-4360' 34

-4760' 36

-4960' 37

-5160' 38

-5360' 39

1200'South

400'W.

We.

Ea.

-3560'

-3960'

-4360'

-4760'

-4960'

-5160'

-5360'

CENTRE LODE.

1360' SOUTH CONTACT FAULT.

F.W. BRANCH

F.W.

F.W.

1200'SOUTH CONTACT FAULT.

PETROL

DAM SPUR

30

32

34

36

37

38

39

X3 FAULT.

MOTOR EAST SOUTH. EXT.

1000' South

400' W.

We.

Ea.

-3560'

-3960'

-4360'

-4760'

-4960'

-5160'

-5360'

30

32

34

36

37

38

39

CENTRE LODE

F.W. /A BR.

F.W. /B (NS)

F.W. /A (NS)

F.W./B (E-W)

CAM SPUR LODE

XB FAULT

CAM SP. & F.W./B (E-W)

MAIN FAULT

F.W. (E.W.)

1380' SOUTH CONTACT FAULT

MAIN FAULT

MOTOR EAST SO. EXTENSION

Author Hartman L W
Name of thesis The Geology of the Cam and Motor Mine 1953

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