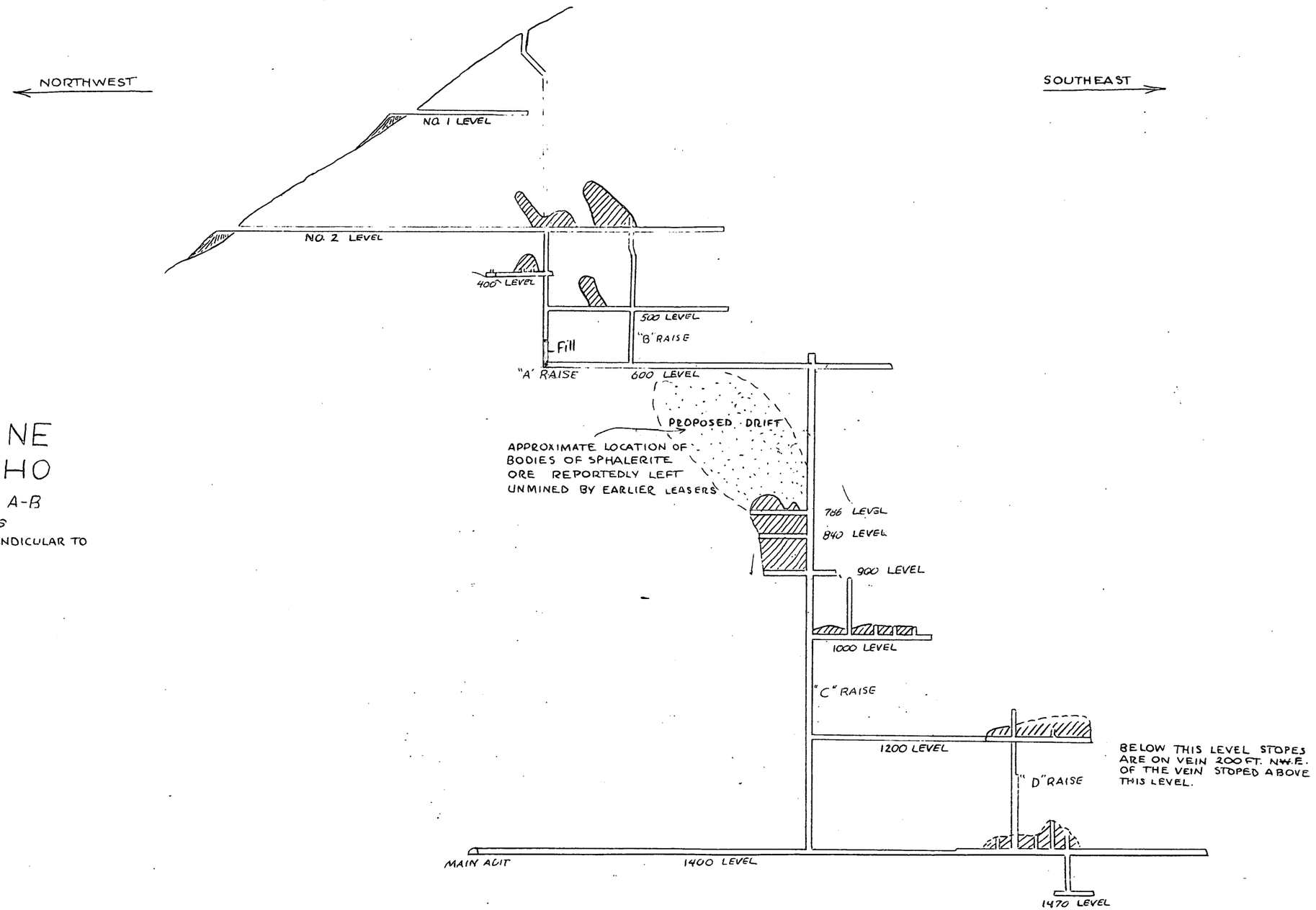
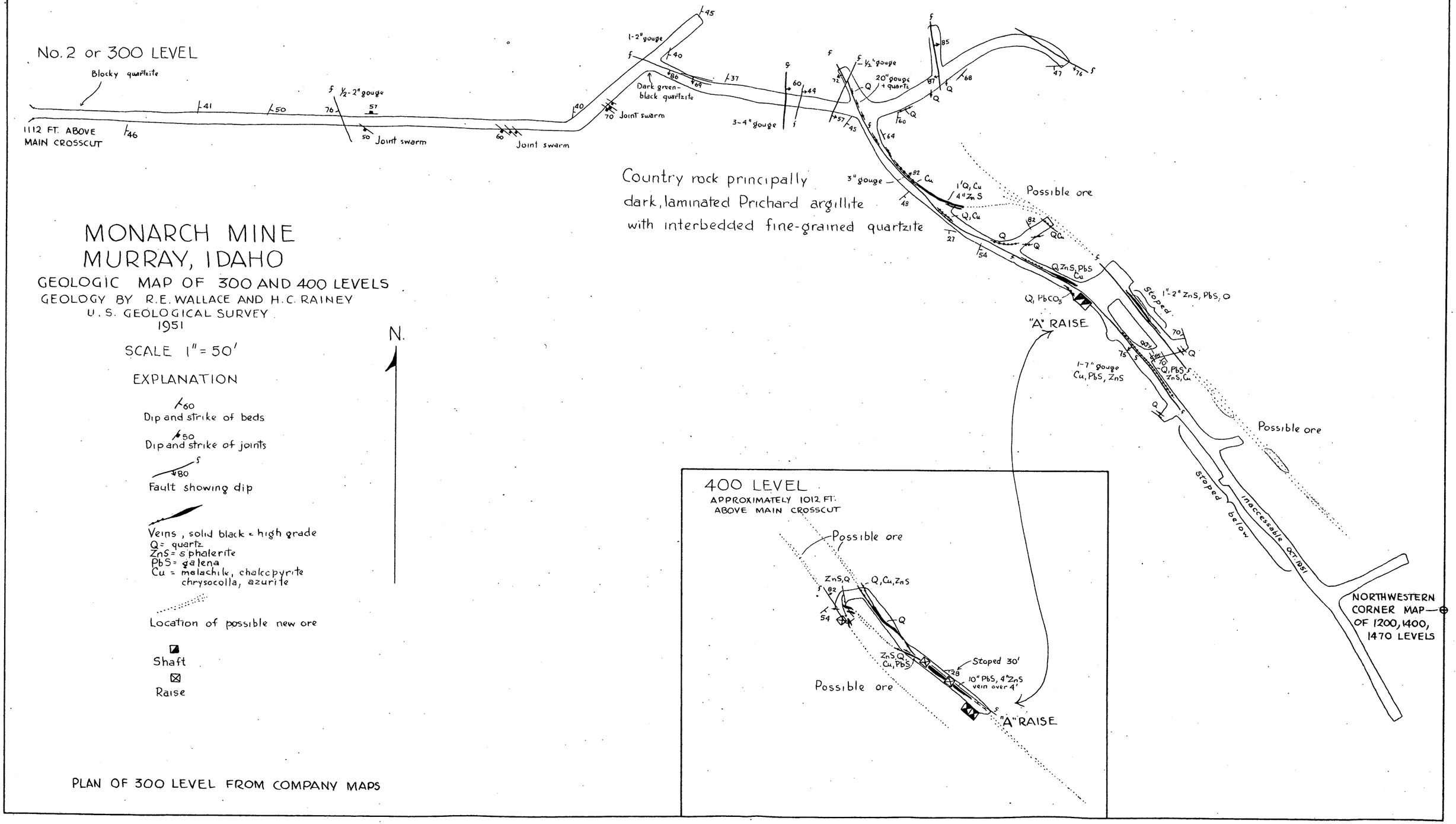
MONARCH MINE
MURRAY, IDAHO

SECTION ALONG LINE A-B
FROM COMPANY MAPS
WORKINGS ARE PROJECTED PERPENDICULAR TO PLANE OF SECTION

1 IN. = 200 FT.

STOPES




No. 2 or 300 LEVEL
Blocky quartzite
1112 FT. ABOVE MAIN CROSSCUT
½-2" gouge
Joint swarm
Joint swarm
1-2" gouge
Dark green-black quartzite
Joint swarm
3-4" gouge
½" gouge
20" gouge + quartz
3" gouge
Country rock principally dark, laminated Prichard argillite with interbedded fine-grained quartzite
Possible ore
Q, Cu
1' Q, Cu
4" ZnS
Q, ZnS, PbS, Cu
Q, PbCO3
"A" RAISE
Stoped
1"-2" ZnS, PbS, Q
1-7" gouge Cu, PbS, ZnS
Q, PbS, ZnS, Cu
Possible ore
Stoped below
Inaccessible Oct. 1951
NORTHWESTERN CORNER MAP OF 1200, 1400, 1470 LEVELS
400 LEVEL
APPROXIMATELY 1012 FT. ABOVE MAIN CROSSCUT
Possible ore
ZnS, Q
Q, Cu, ZnS
Q
ZnS, Q, Cu, PbS
Stoped 30'
10" PbS, 4" ZnS vein over 4'
Possible ore
"A" RAISE
MONARCH MINE
MURRAY, IDAHO
GEOLOGIC MAP OF 300 AND 400 LEVELS
GEOLOGY BY R.E. WALLACE AND H.C. RAINEY
U.S. GEOLOGICAL SURVEY
1951
SCALE 1" = 50'
N.
EXPLANATION
Dip and strike of beds
Dip and strike of joints
Fault showing dip
Veins, solid black = high grade
Q = quartz
ZnS = sphalerite
PbS = galena
Cu = malachite, chalcopyrite chrysocolla, azurite
Location of possible new ore
Shaft
Raise
PLAN OF 300 LEVEL FROM COMPANY MAPS

DOCKET NO. 1878

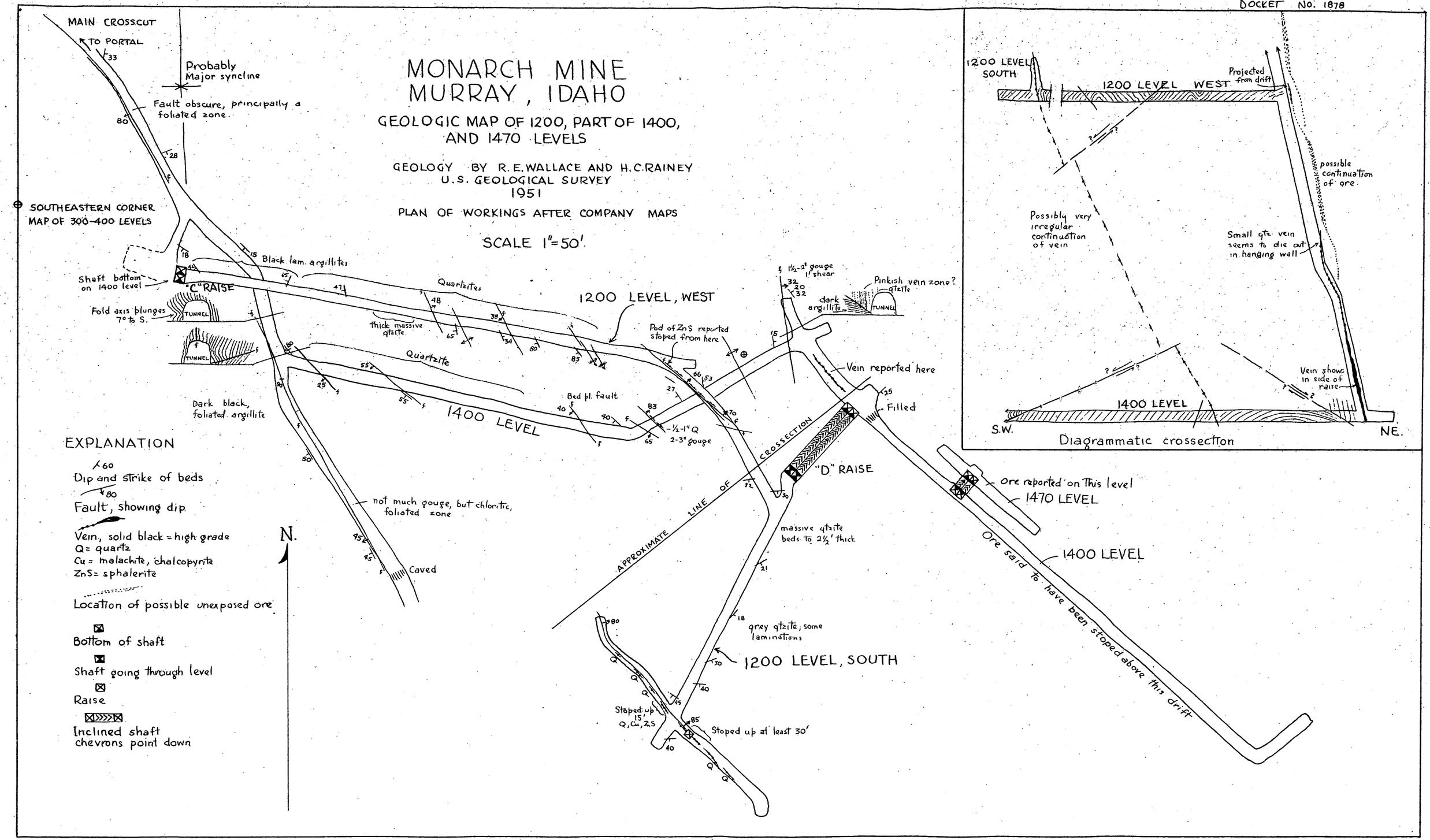
MONARCH MINE
MURRAY, IDAHO

GEOLOGIC MAP OF 1200, PART OF 1400, AND 1470 LEVELS

GEOLOGY BY R. E. WALLACE AND H. C. RAINEY
U.S. GEOLOGICAL SURVEY
1951

PLAN OF WORKINGS AFTER COMPANY MAPS

SCALE 1" = 50'

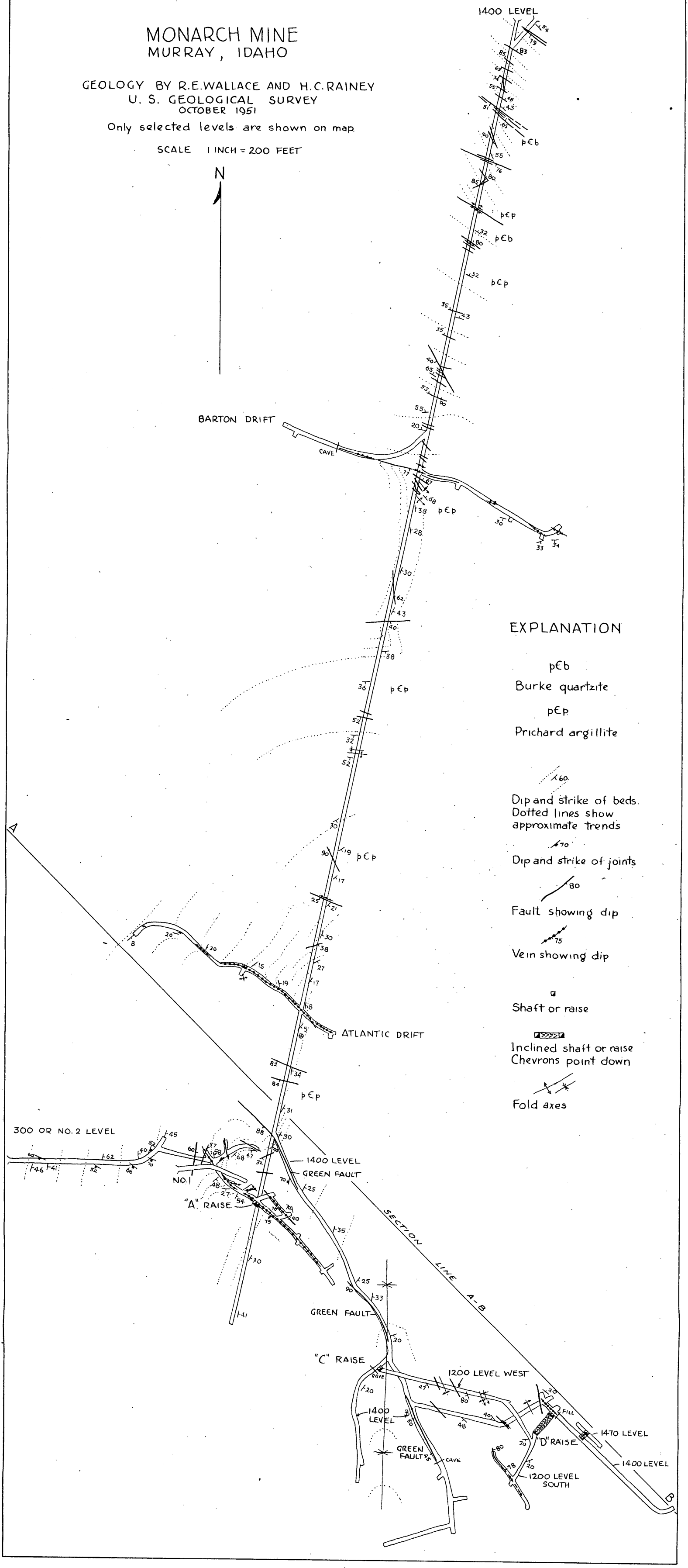


MONARCH MINE
MURRAY, IDAHO

GEOLOGY BY R.E. WALLACE AND H.C. RAINEY
U. S. GEOLOGICAL SURVEY
OCTOBER 1951

Only selected levels are shown on map.

SCALE 1 INCH = 200 FEET



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MURRAY, IDAHO

GEOLOGY BY R.E. WALLACE AND H.C. RAINEY
U. S. GEOLOGICAL SURVEY
OCTOBER 1951

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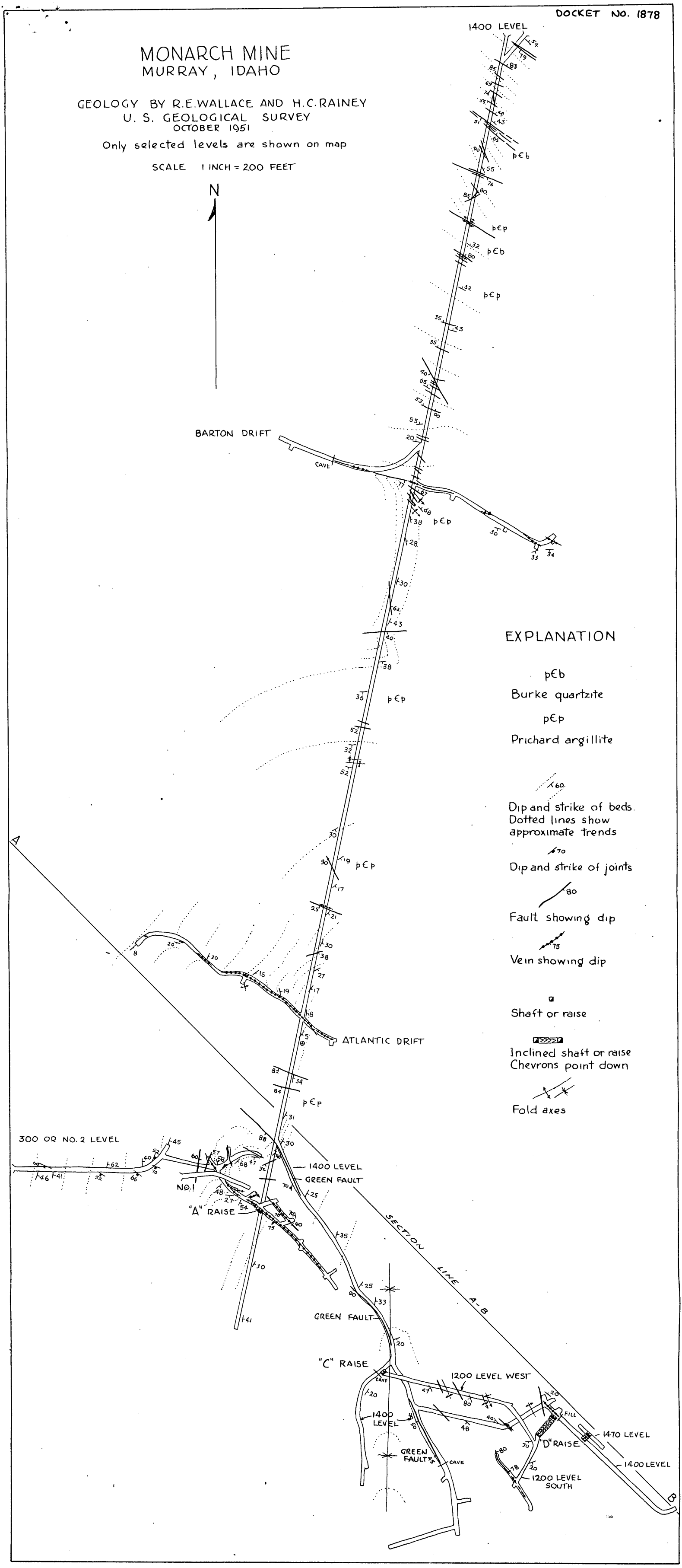

MONARCH MINE
MURRAY, IDAHO

GEOLOGIC MAP OF 300 AND 400 LEVELS

GEOLOGY BY R.E. WALLACE AND H.C. RAINEY
U.S. GEOLOGICAL SURVEY
1951

SCALE 1" = 50'

EXPLANATION

60
Dip and strike of beds

50
Dip and strike of joints

80
Fault showing dip

Veins, solid black = high grade
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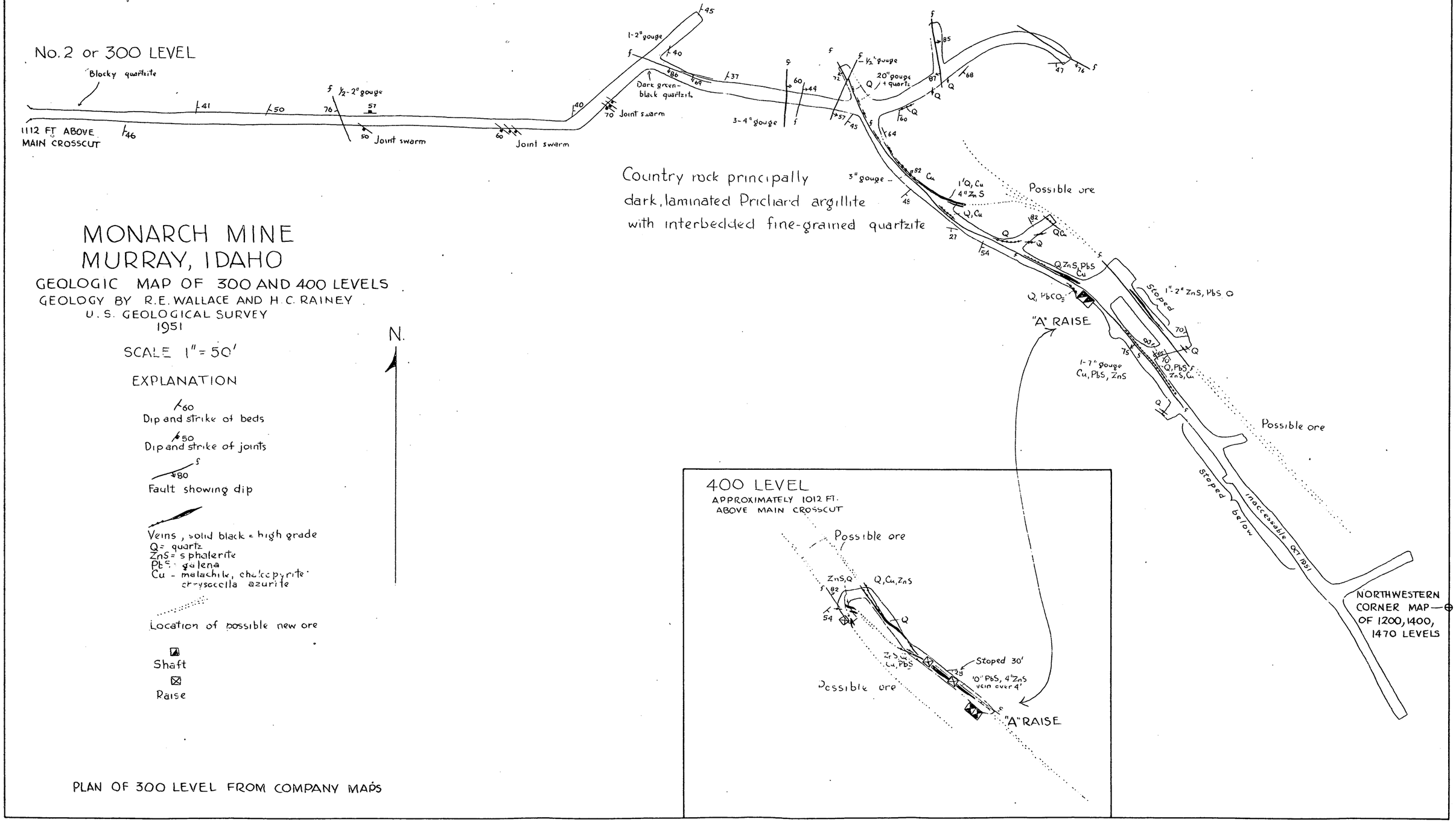
Cu - malachite, chalcopyrite, chrysocolla, azurite

Location of possible new ore

Shaft

Raise



PLAN OF 300 LEVEL FROM COMPANY MAPS

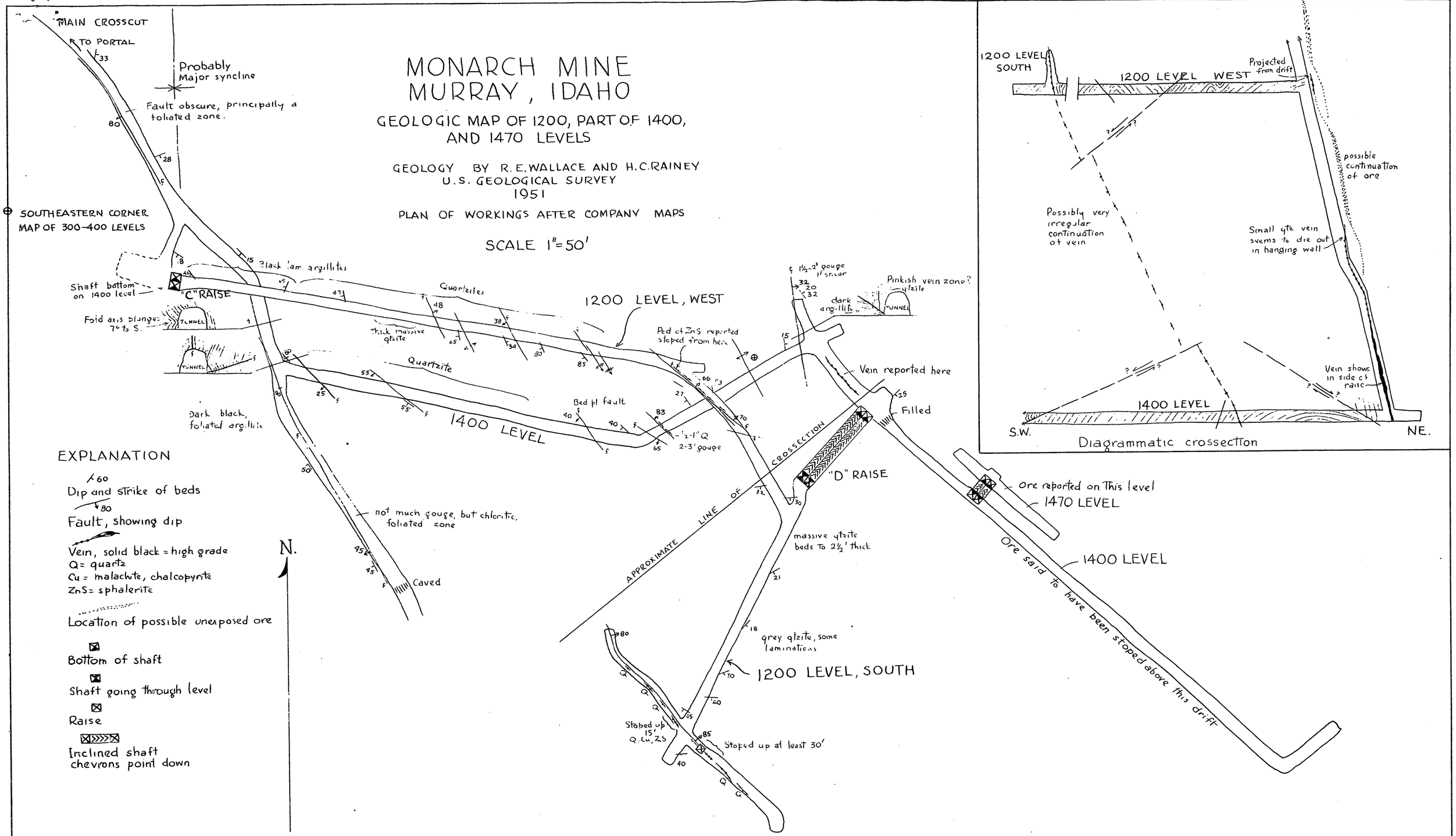
MONARCH MINE
MURRAY, IDAHO

GEOLOGIC MAP OF 1200, PART OF 1400, AND 1470 LEVELS

GEOLOGY BY R. E. WALLACE AND H. C. RAINEY
U.S. GEOLOGICAL SURVEY
1951

PLAN OF WORKINGS AFTER COMPANY MAPS

SCALE 1" = 50'



MONARCH MINE
MURRAY, IDAHO

SECTION ALONG LINE A-B
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WORKINGS ARE PROJECTED PERPENDICULAR TO PLANE OF SECTION

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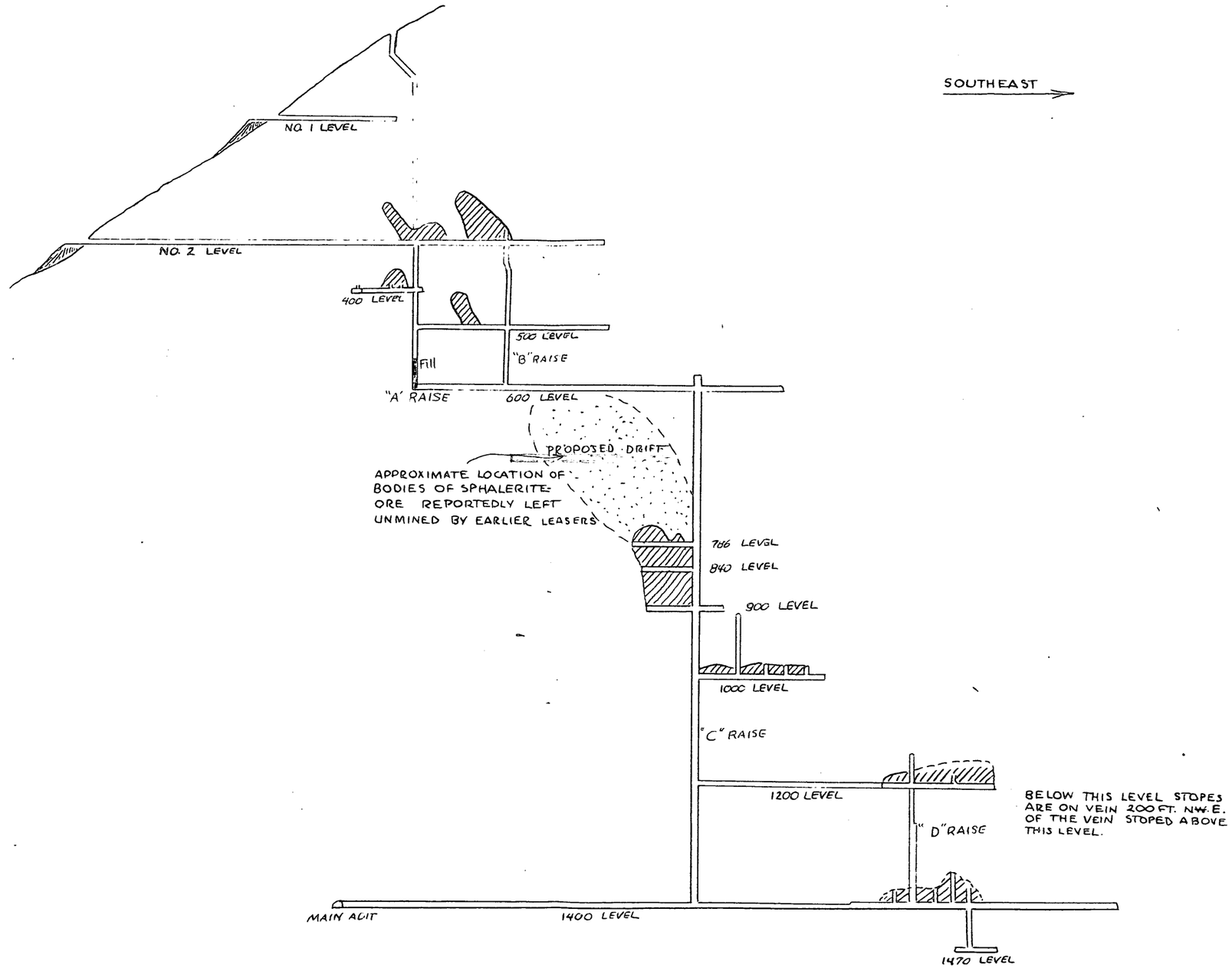
STOPES



MONARCH MINE
MURRAY, IDAHO

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U. S. GEOLOGICAL SURVEY
OCTOBER 1951

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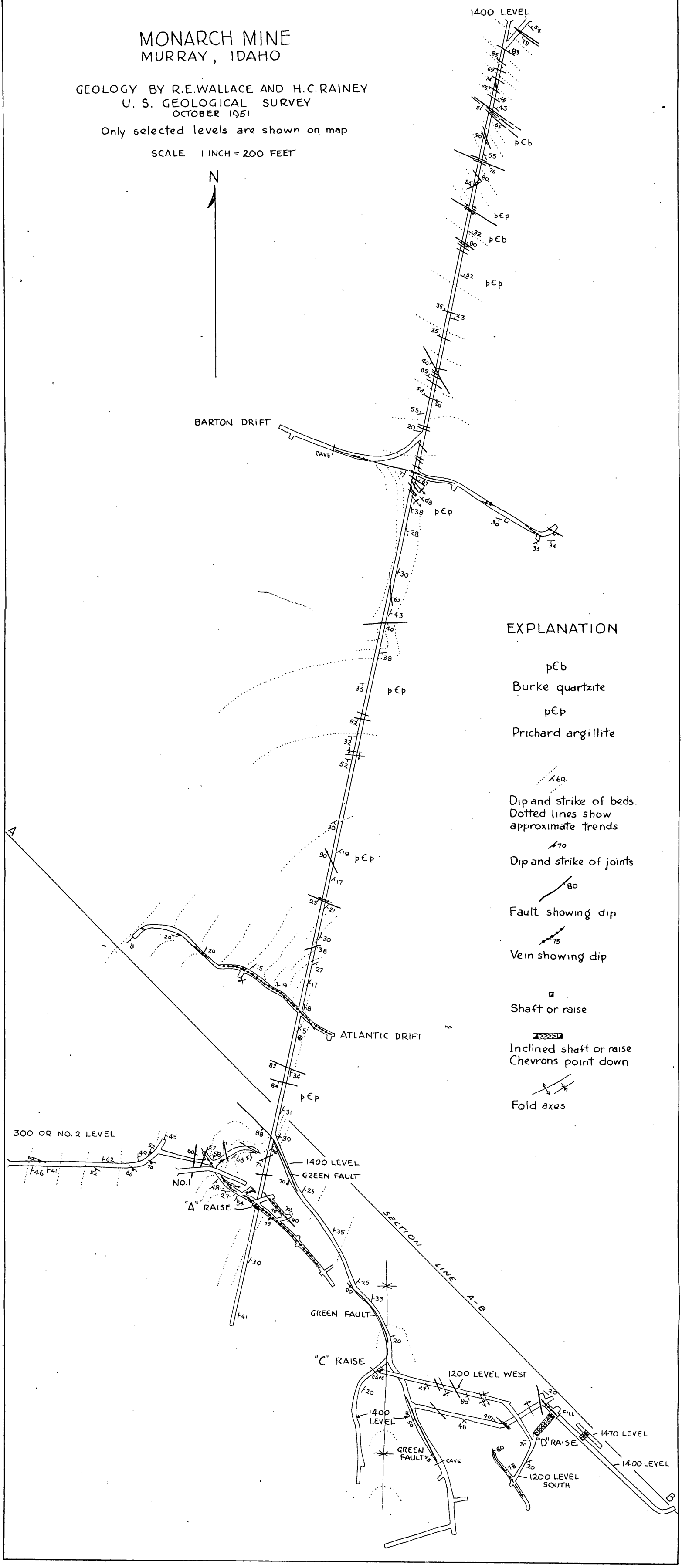

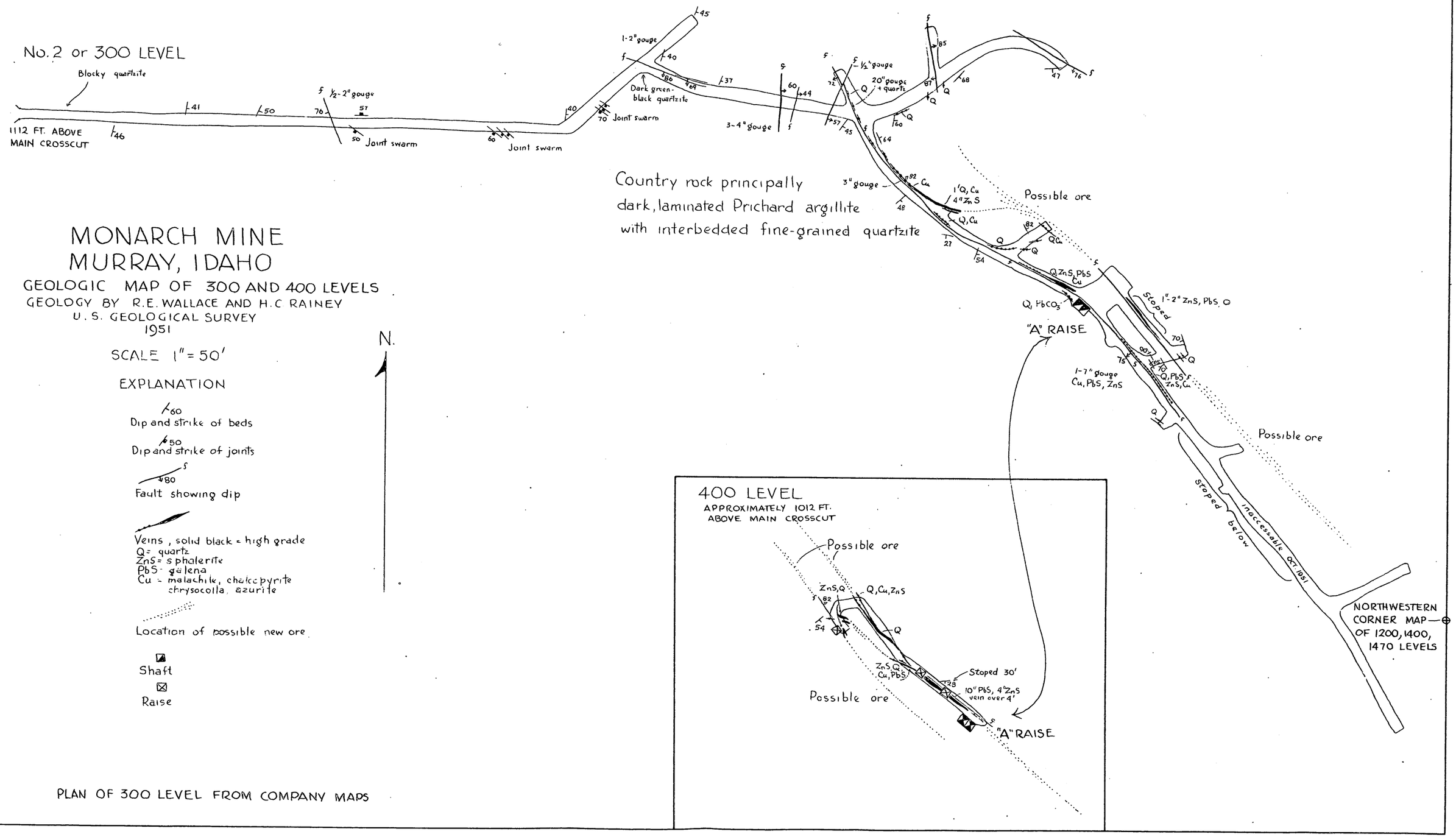

PLAN OF 300 LEVEL FROM COMPANY MAPS

MONARCH MINE
MURRAY, IDAHO

GEOLOGIC MAP OF 1200, PART OF 1400, AND 1470 LEVELS

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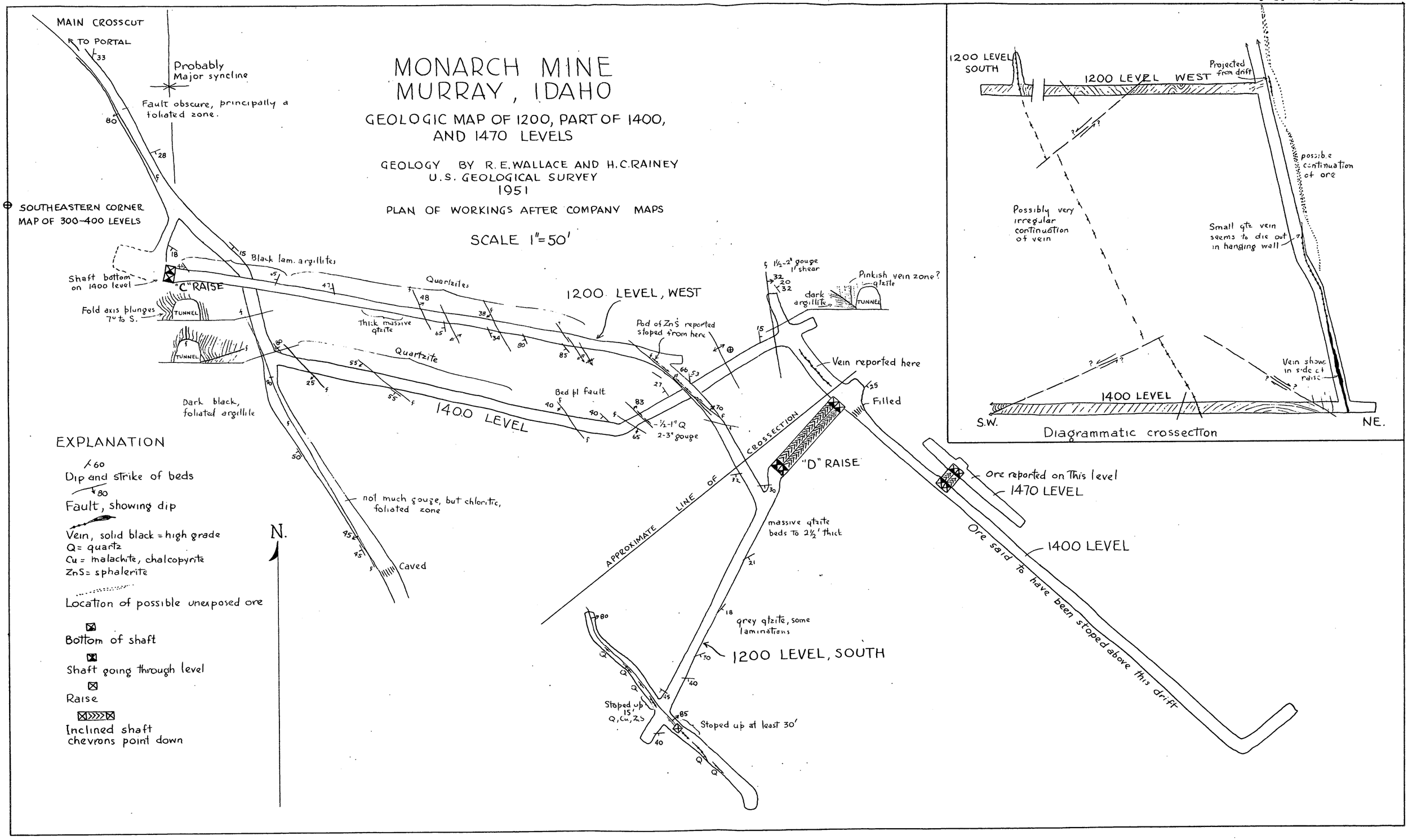

MONARCH MINE
MURRAY, IDAHO

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U. S. GEOLOGICAL SURVEY
OCTOBER 1951

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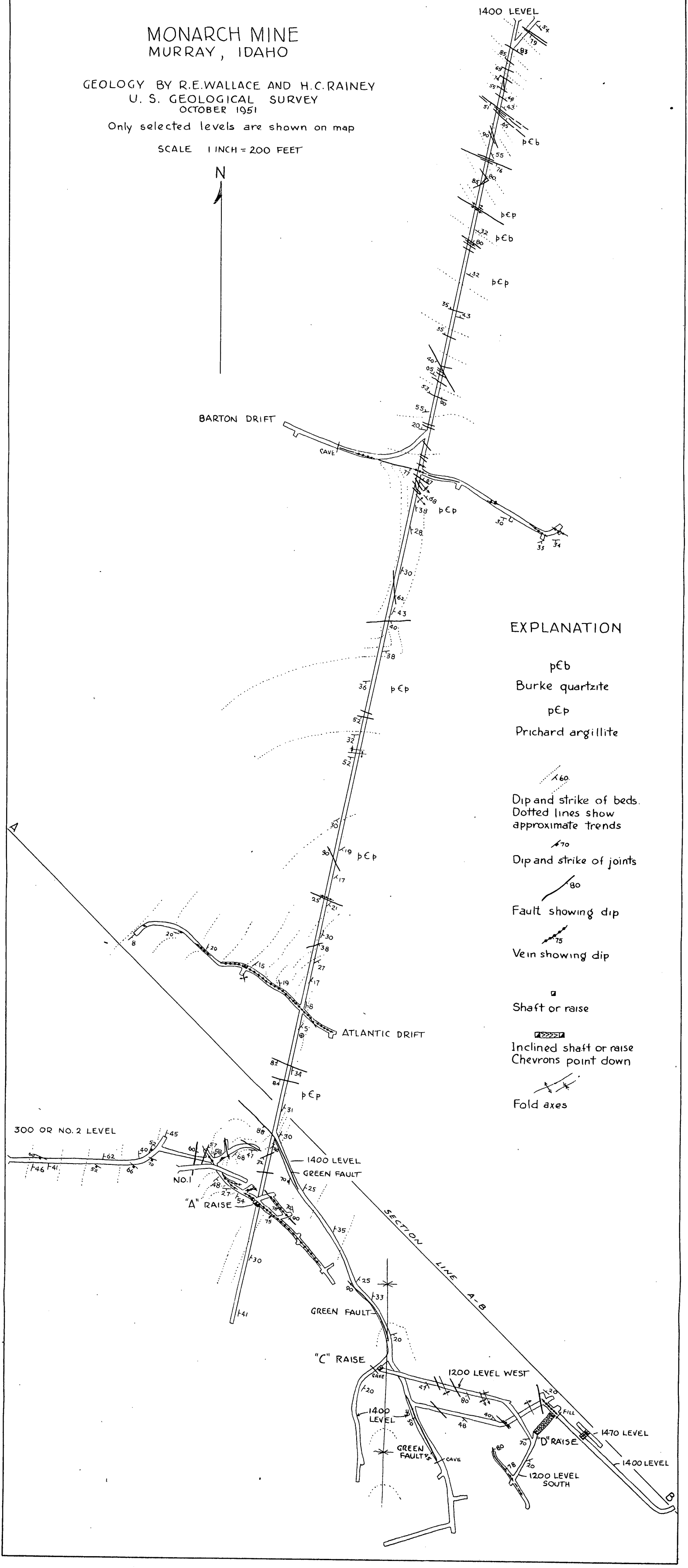

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MONARCH MINE
MURRAY, IDAHO

GEOLOGIC MAP OF 300 AND 400 LEVELS
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U.S. GEOLOGICAL SURVEY
1951

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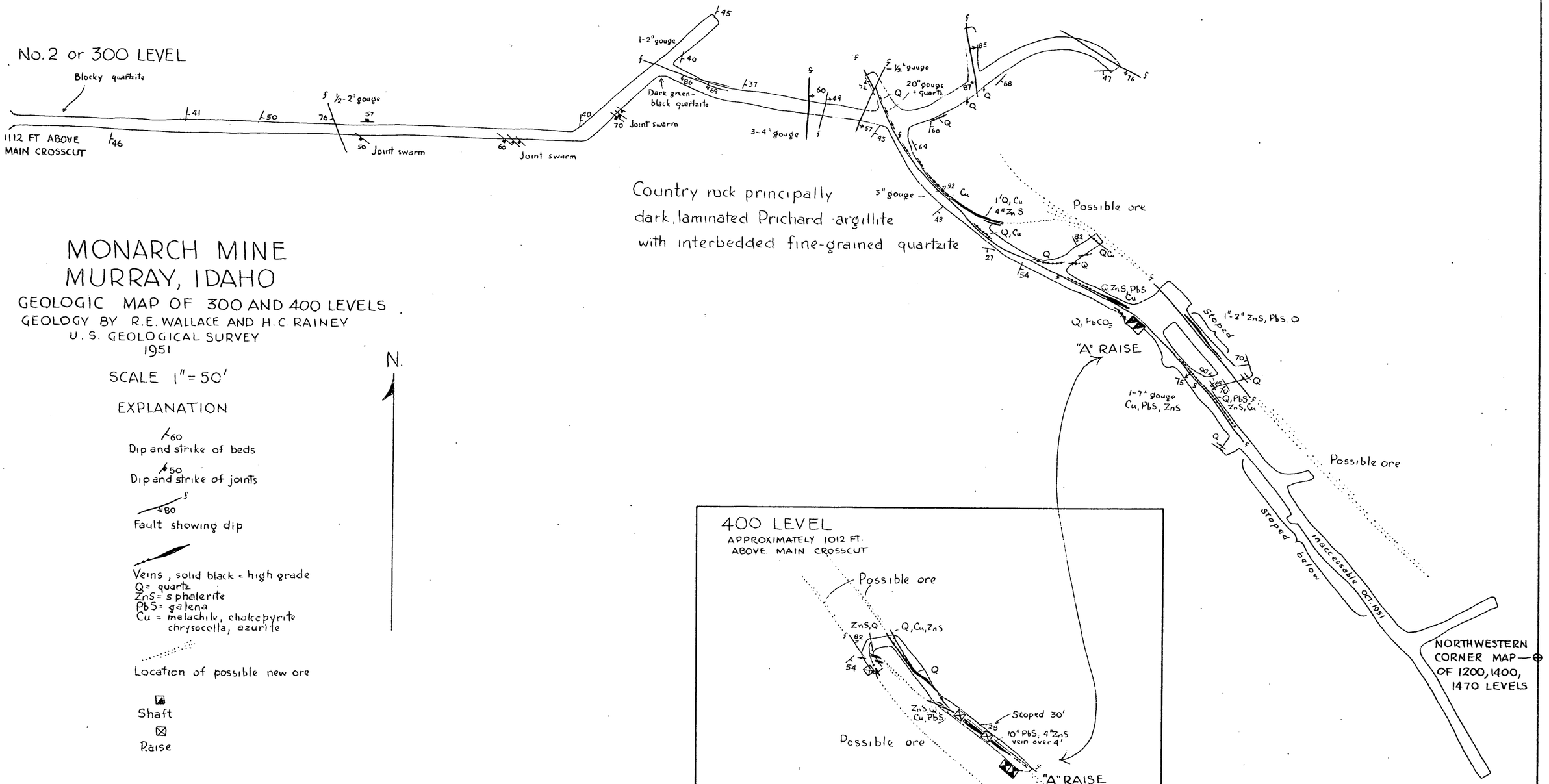

PLAN OF 300 LEVEL FROM COMPANY MAPS

MONARCH MINE
MURRAY, IDAHO

GEOLOGIC MAP OF 1200, PART OF 1400, AND 1470 LEVELS

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1951

PLAN OF WORKINGS AFTER COMPANY MAPS

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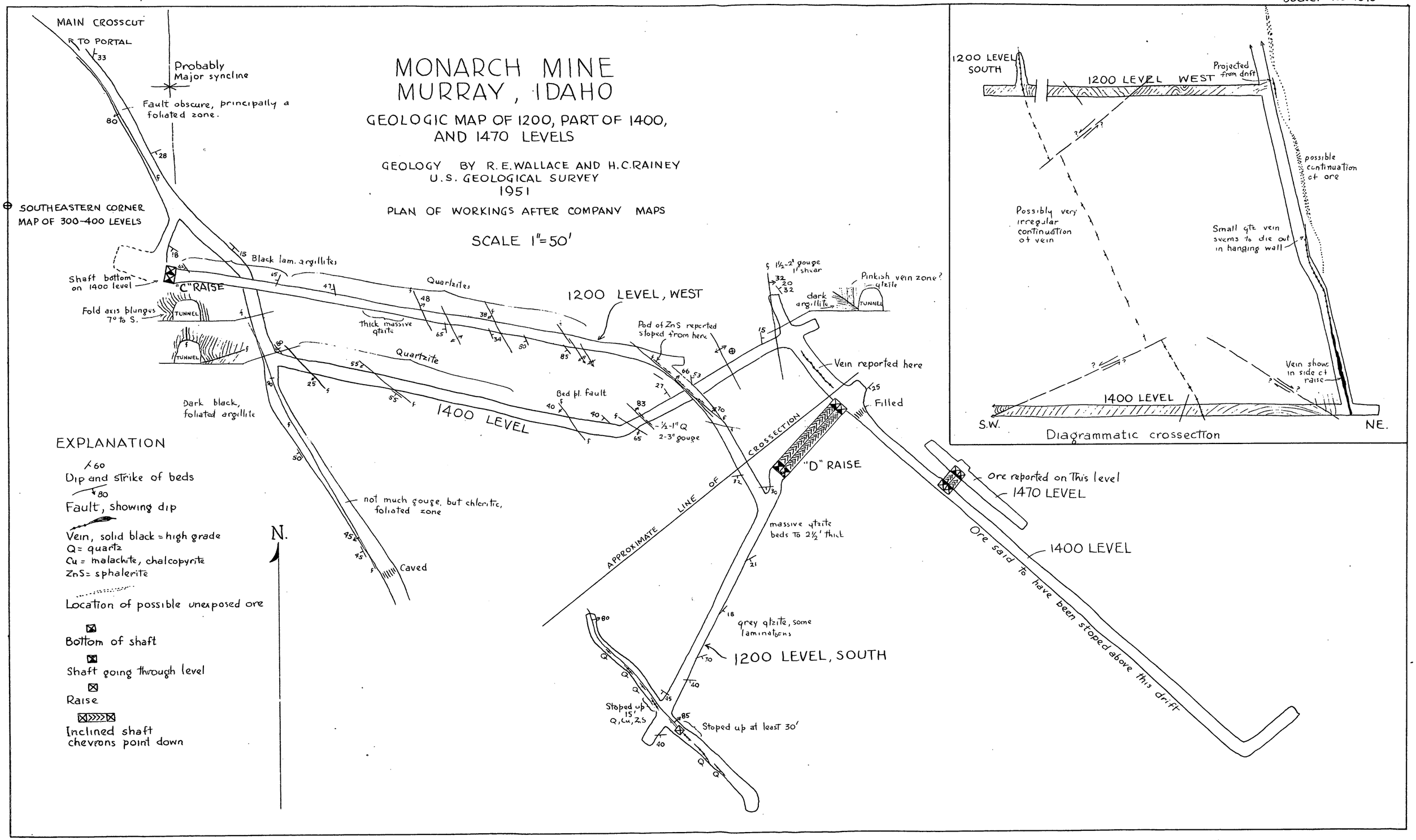


MONARCH MINE
MURRAY, IDAHO

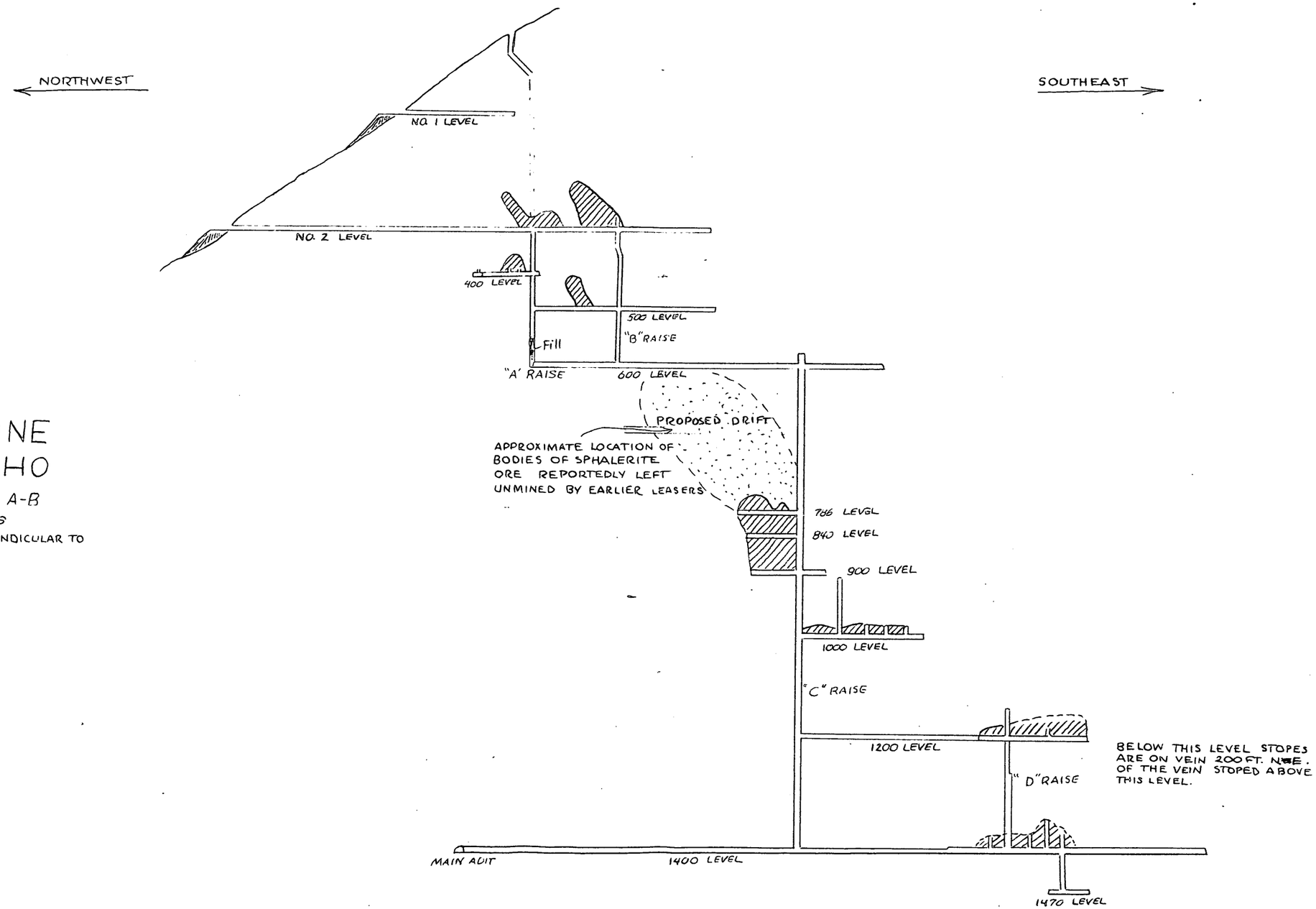
SECTION ALONG LINE A-B

FROM COMPANY MAPS

WORKINGS ARE PROJECTED PERPENDICULAR TO PLANE OF SECTION

1 IN. = 200 FT.

STOPES



MONARCH MINE
MURRAY, IDAHO

GEOLOGY BY R.E. WALLACE AND H.C. RAINEY
U. S. GEOLOGICAL SURVEY
OCTOBER 1951

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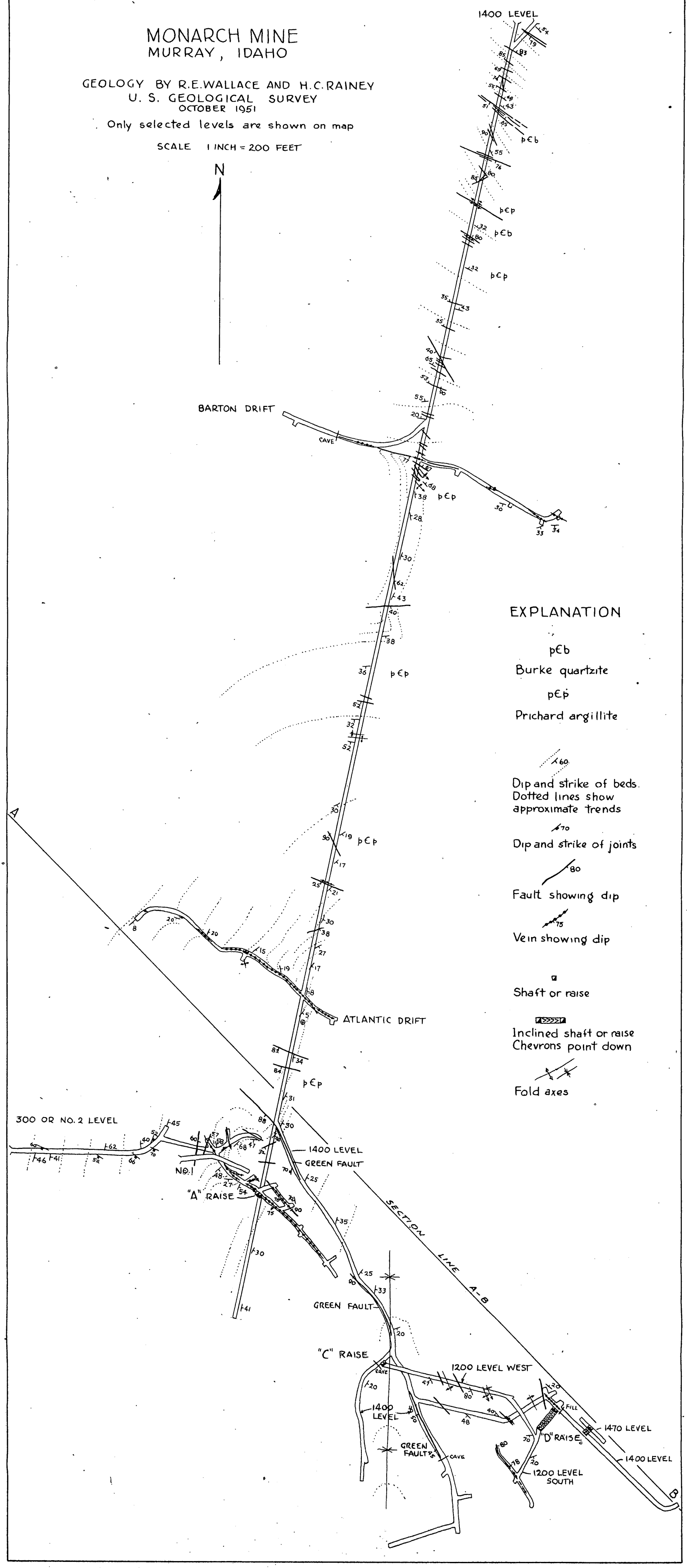

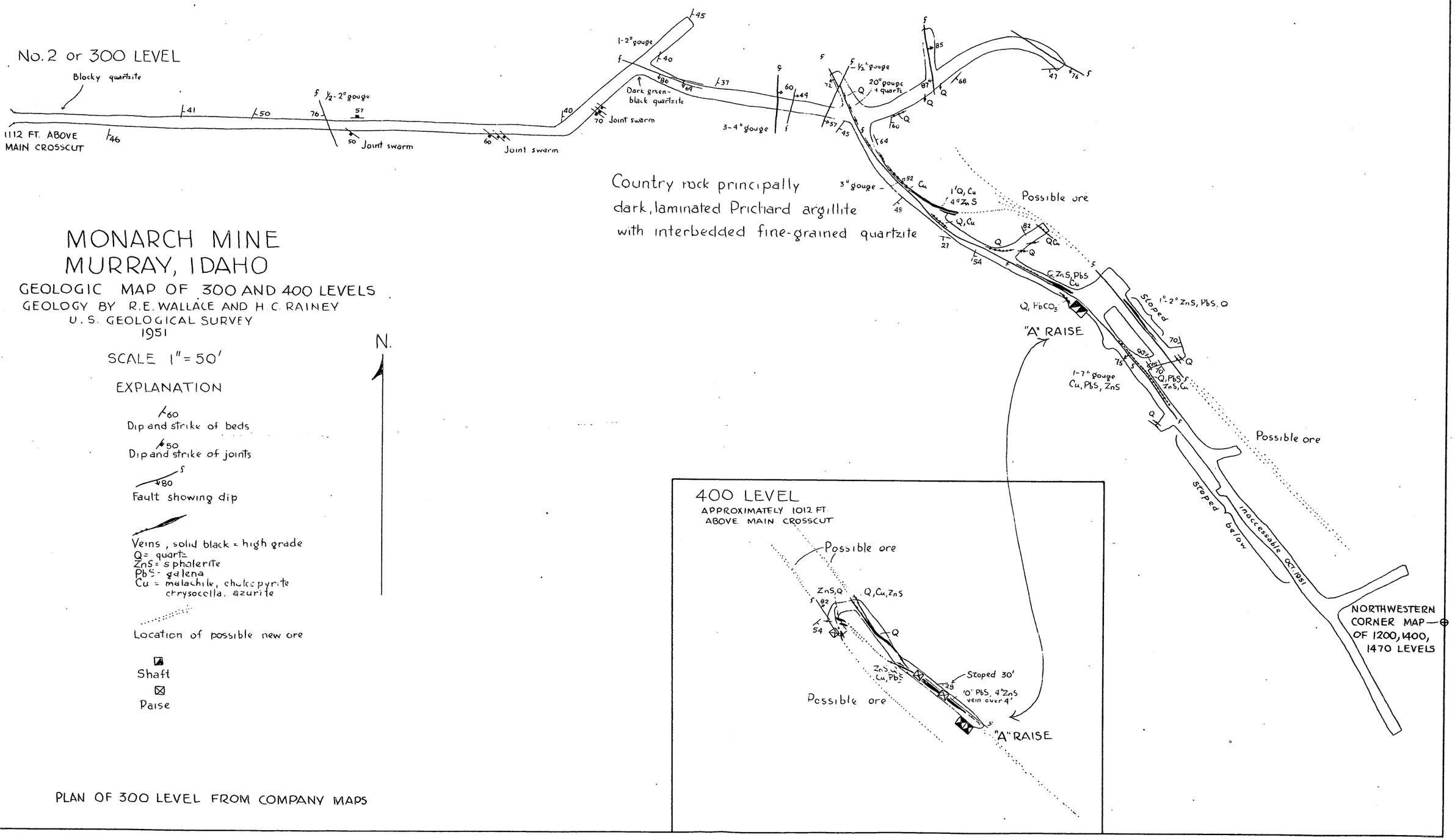

PLAN OF 300 LEVEL FROM COMPANY MAPS

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MURRAY, IDAHO

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1951

PLAN OF WORKINGS AFTER COMPANY MAPS

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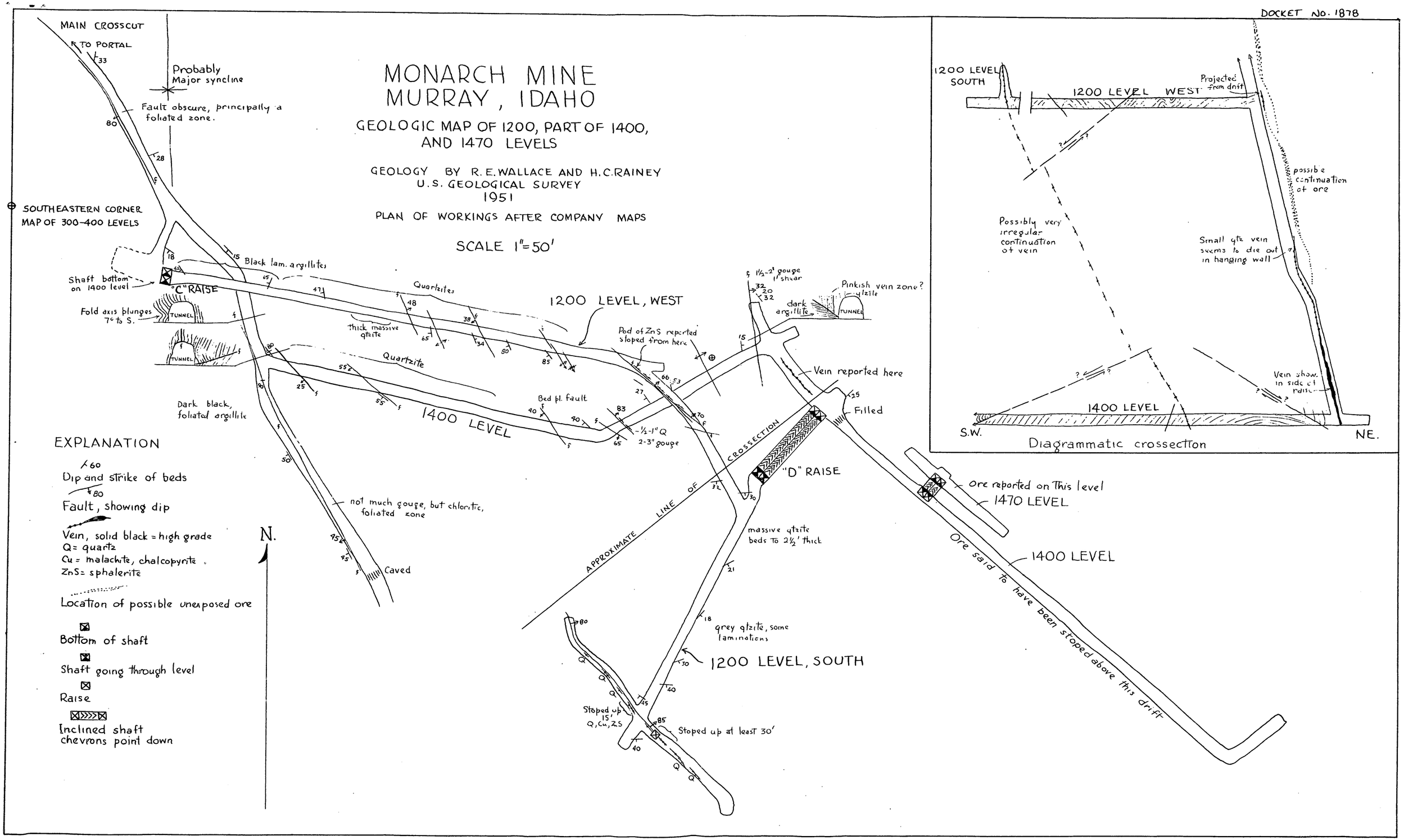

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MURRAY, IDAHO

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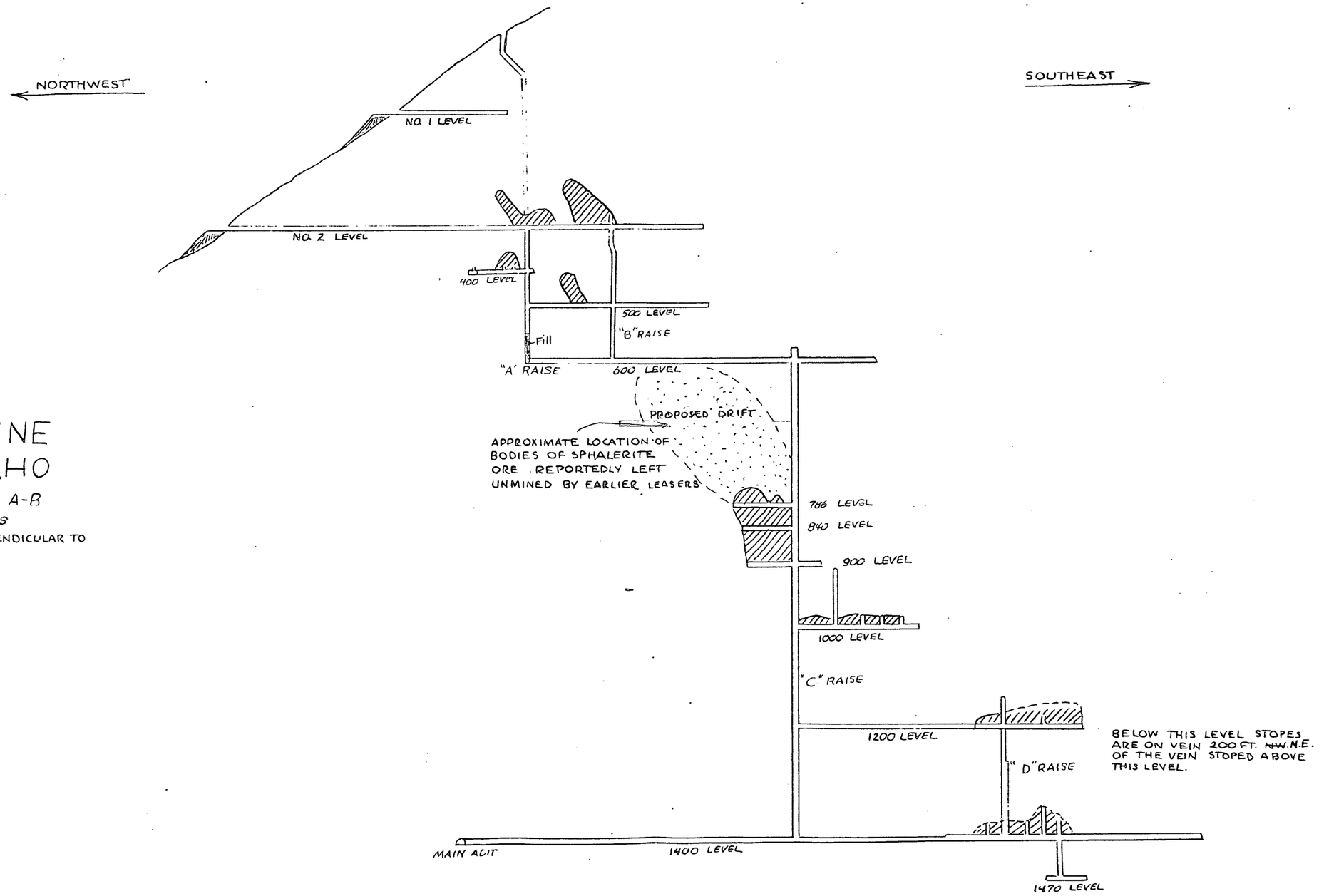

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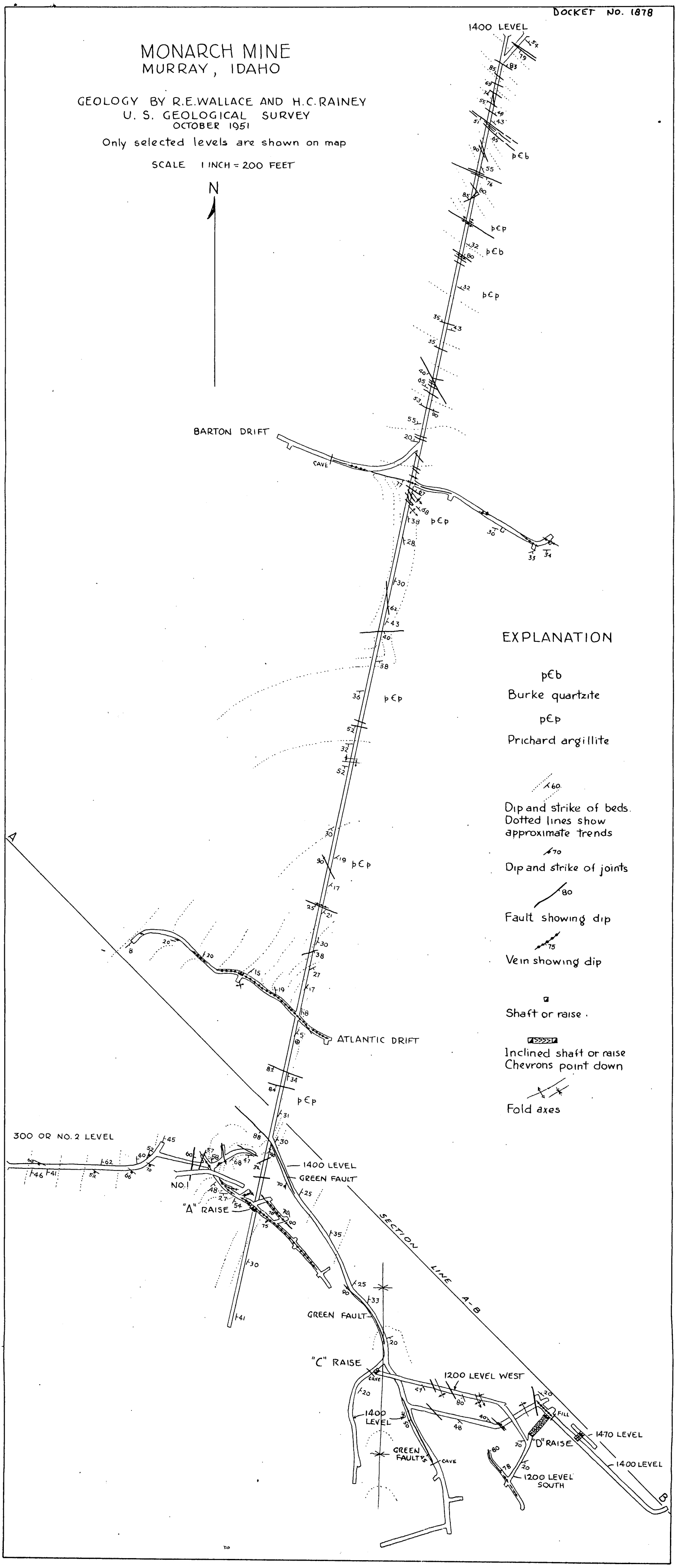

MONARCH MINE
MURRAY, IDAHO

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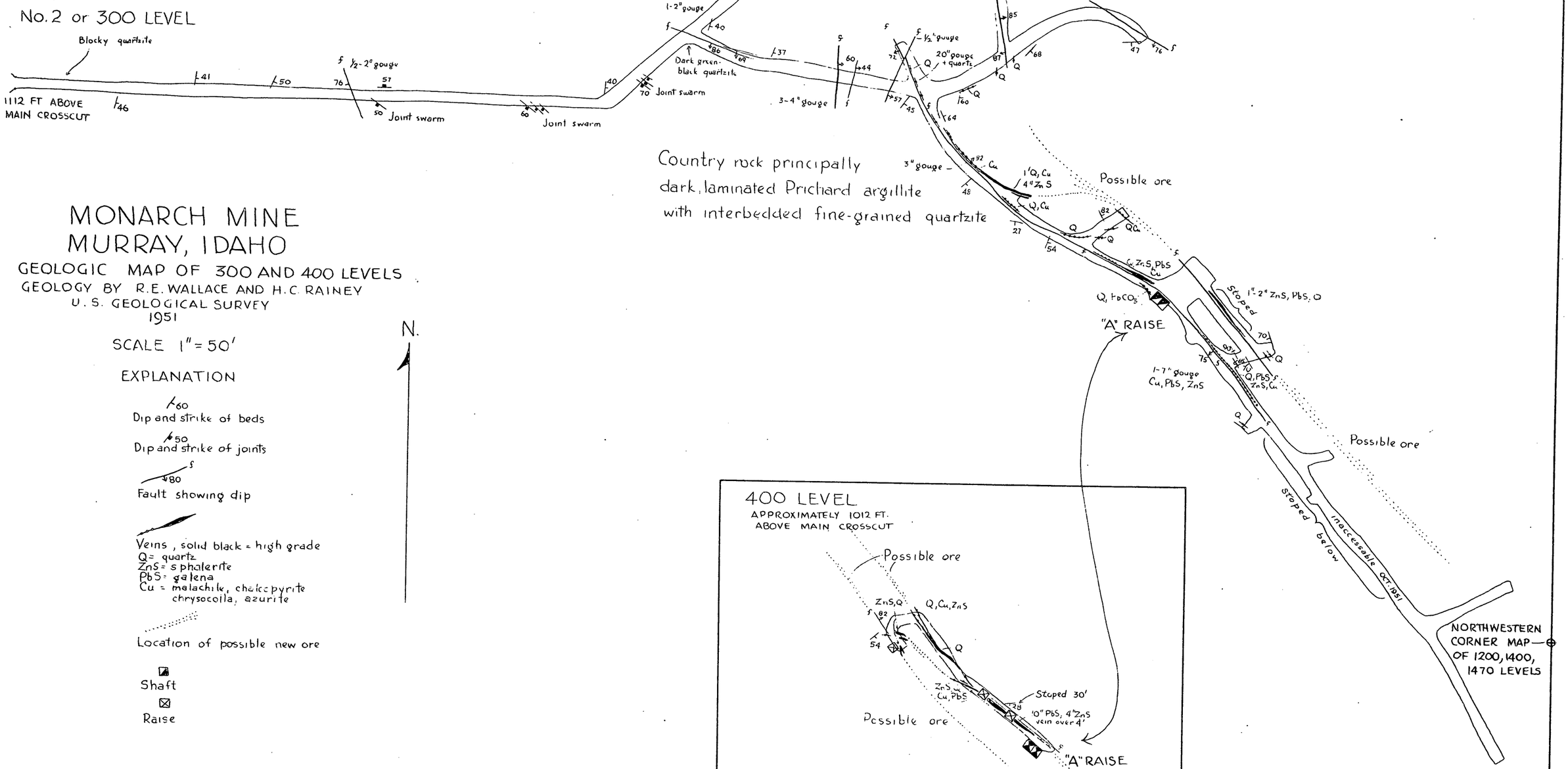

N.

EXPLANATION

60
Dip and strike of beds

50
Dip and strike of joints

80
Fault showing dip

Veins, solid black = high grade
Q = quartz
ZnS = sphalerite
PbS = galena
Cu = malachite, chalcopyrite chrysocolla, azurite

Location of possible new ore

Shaft

Raise

PLAN OF 300 LEVEL FROM COMPANY MAPS

DOCKET No. 1878

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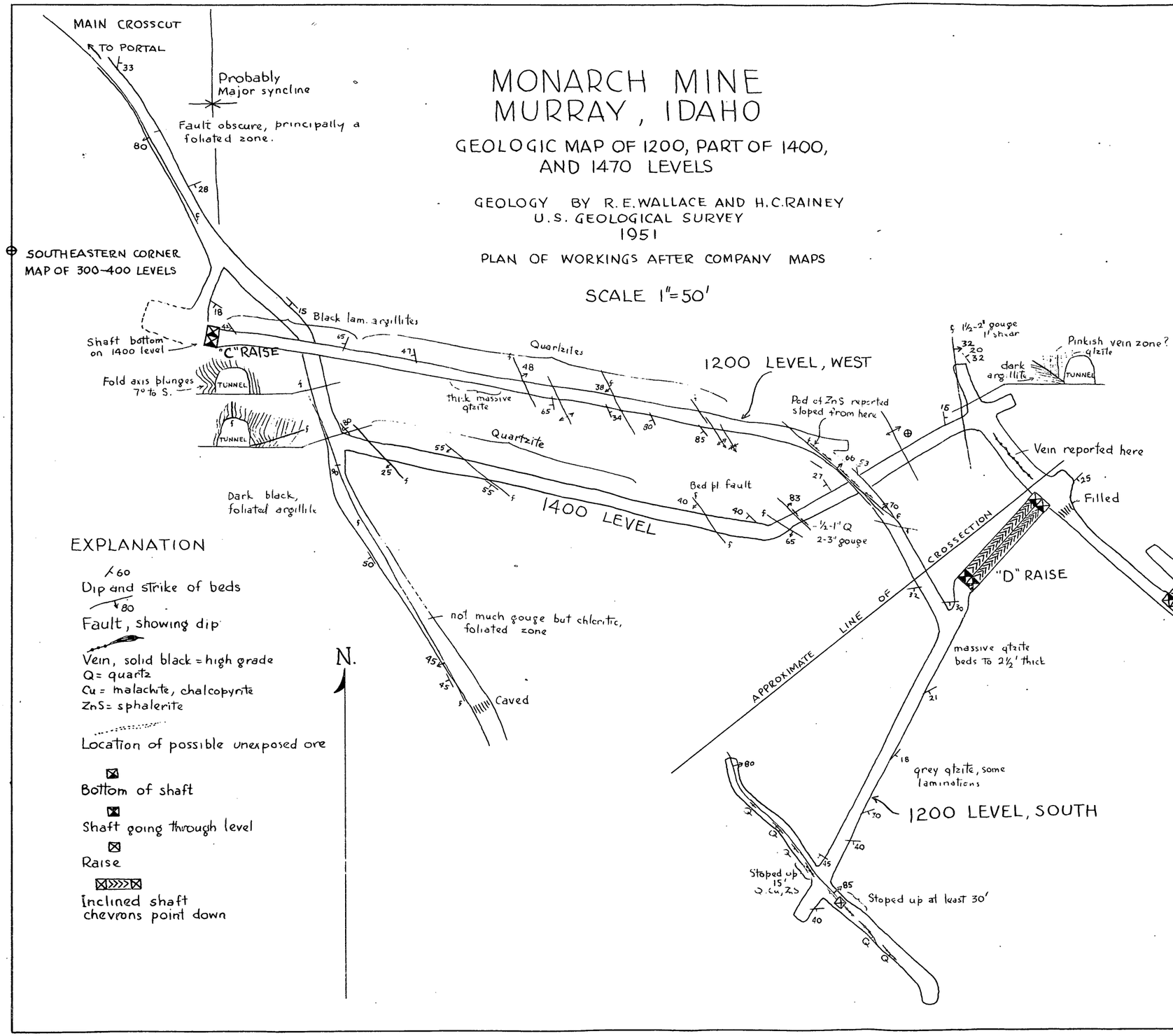
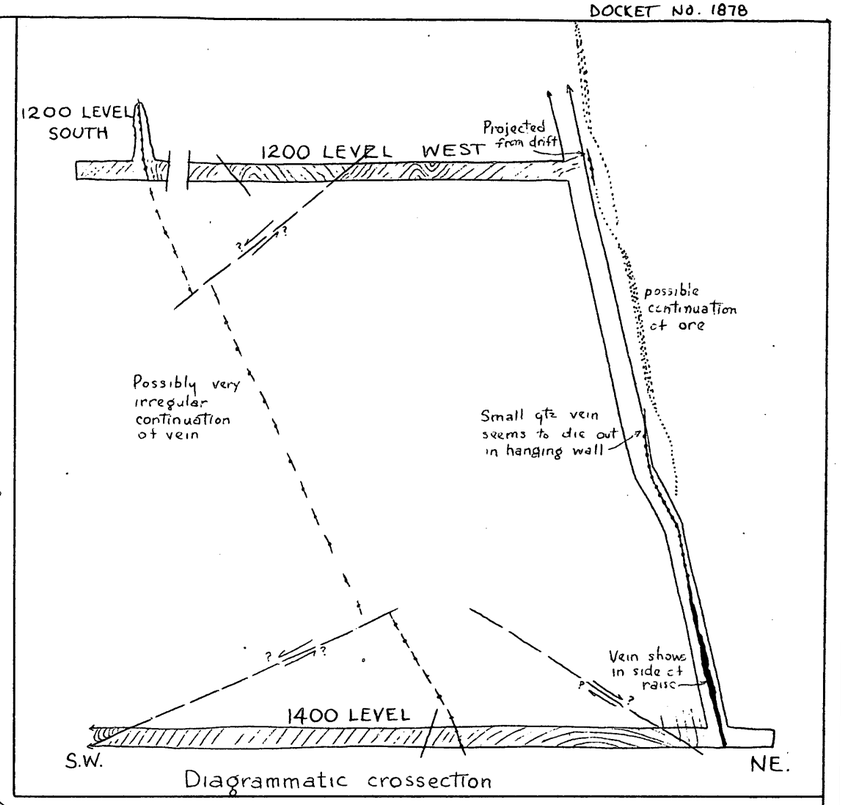
U.S. GEOLOGICAL SURVEY
1951

PLAN OF WORKINGS AFTER COMPANY MAPS

SCALE 1" = 50'





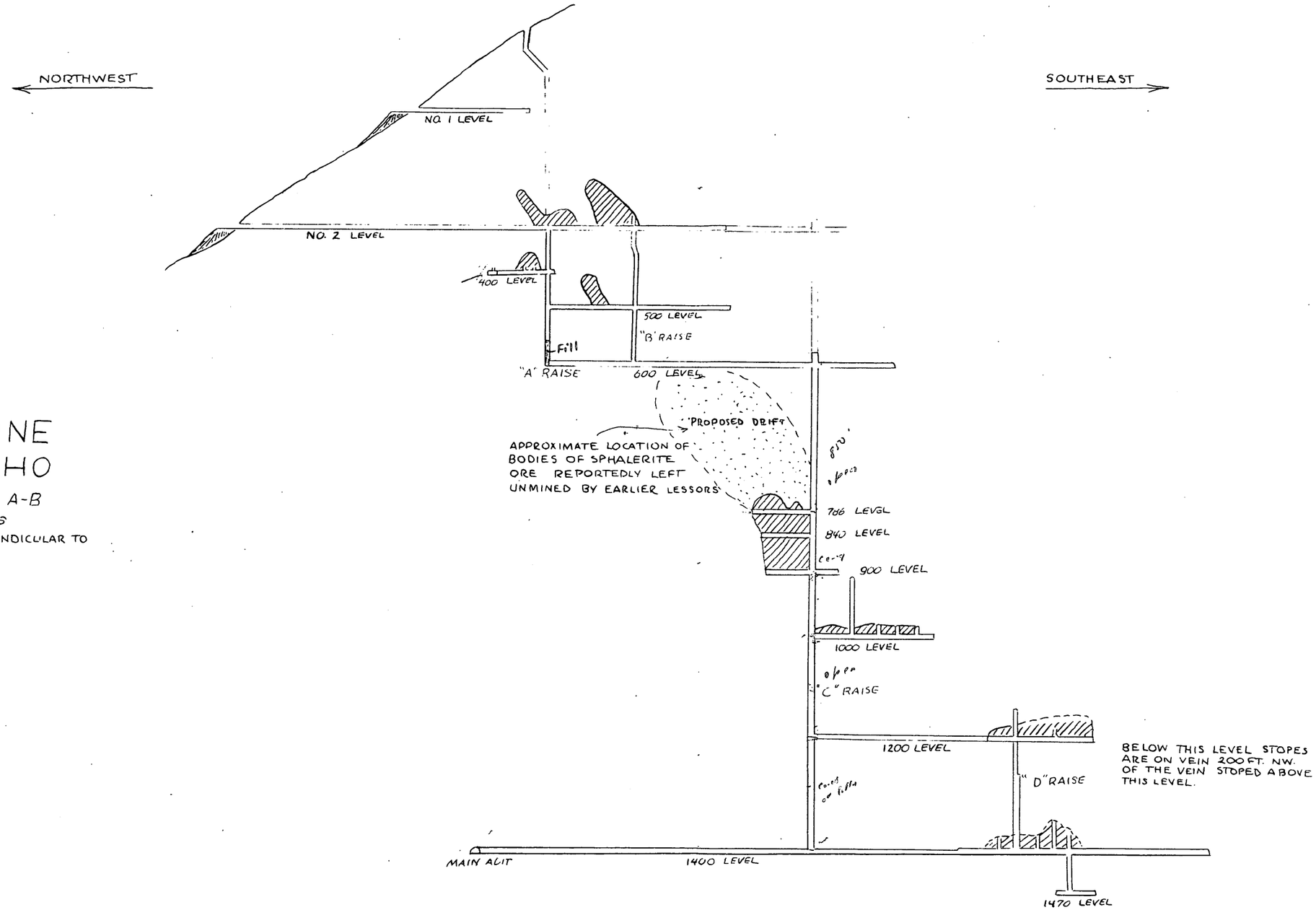
Diagrammatic crossection

MONARCH MINE
MURRAY, IDAHO

SECTION ALONG LINE A-B
FROM COMPANY MAPS
WORKINGS ARE PROJECTED PERPENDICULAR TO PLANE OF SECTION

1 IN. = 200 FT.

STOPES



MONARCH MINE
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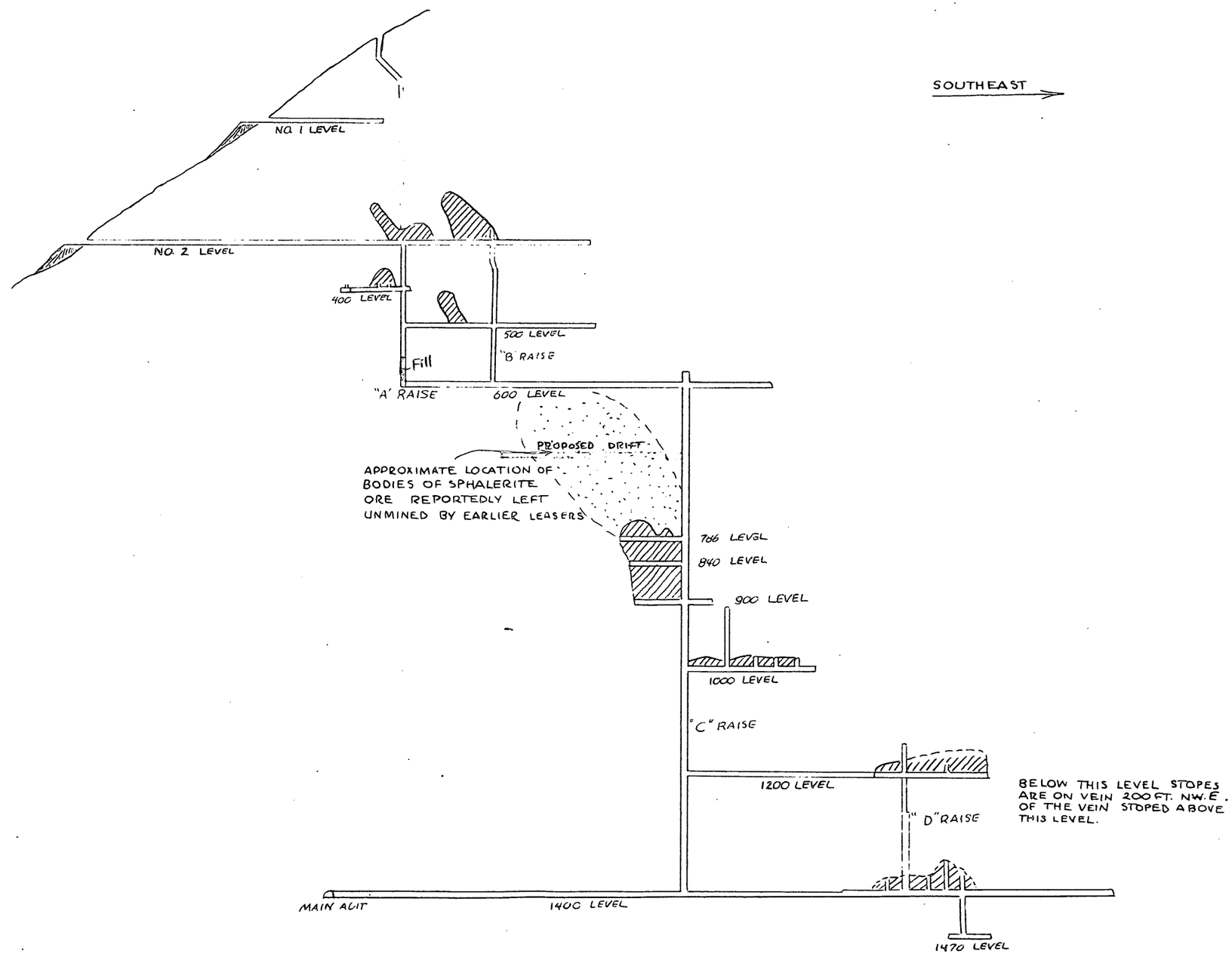
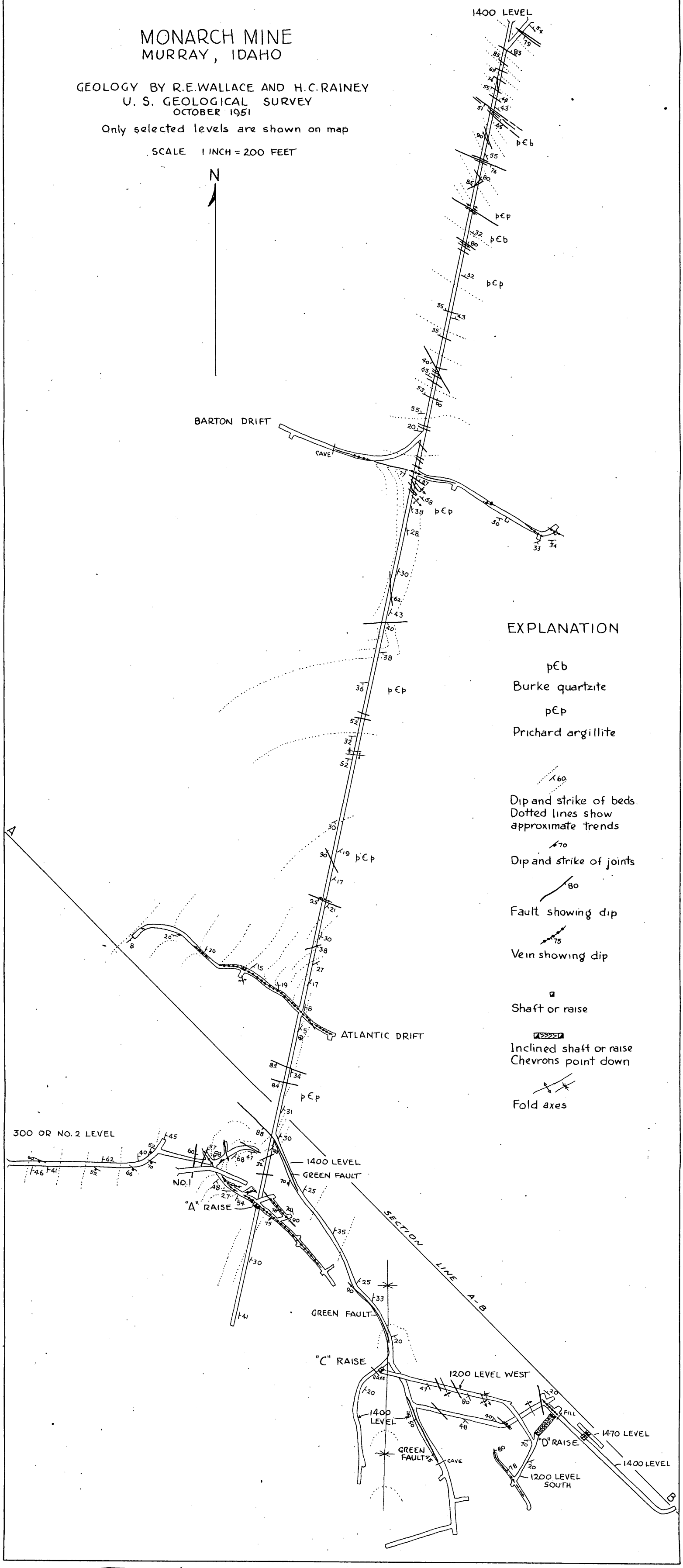


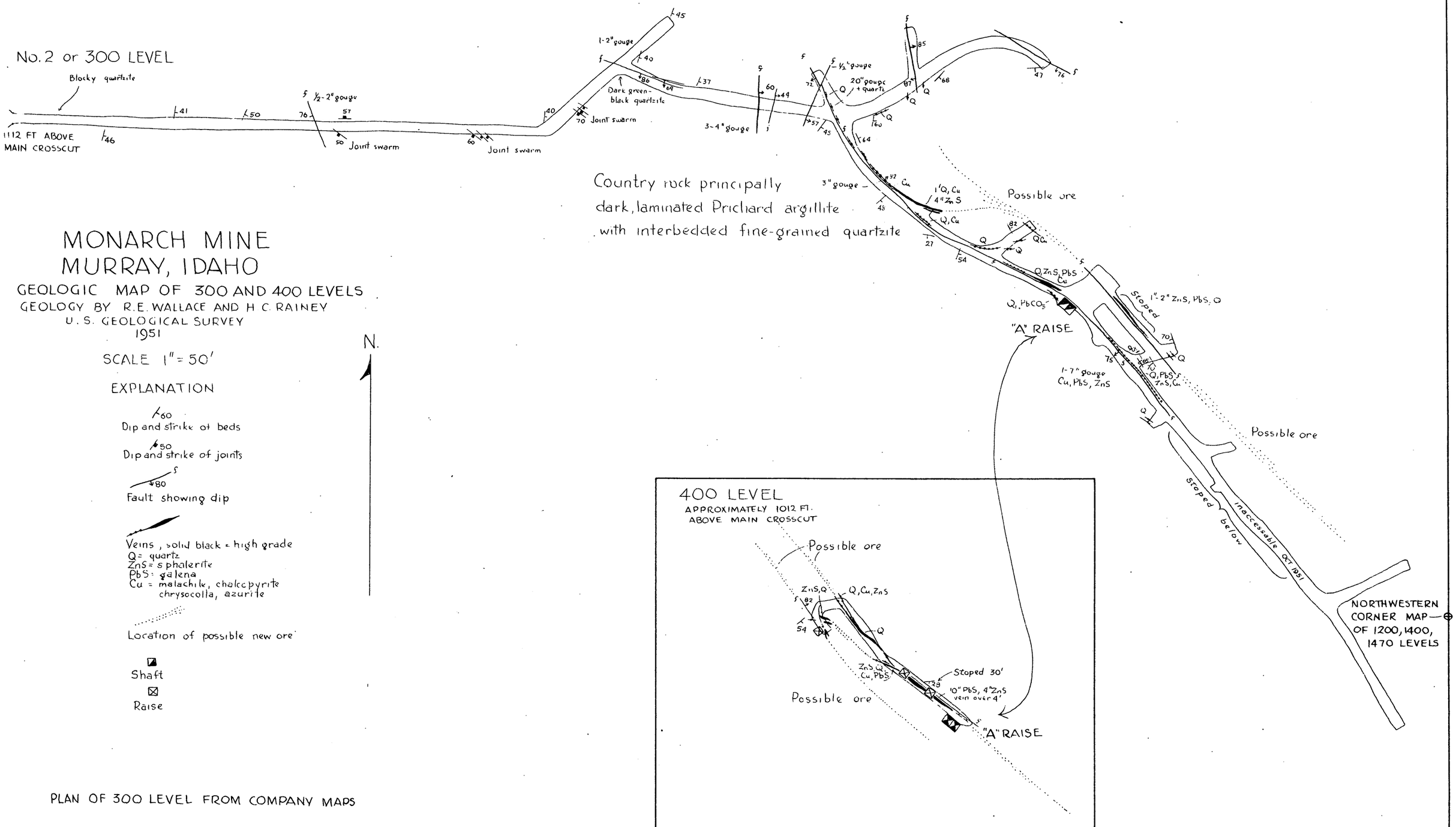
MONARCH MINE
MURRAY, IDAHO

GEOLOGY BY R.E.WALLACE AND H.C.RAINEY
U. S. GEOLOGICAL SURVEY
OCTOBER 1951

Only selected levels are shown on map

SCALE 1 INCH = 200 FEET





PLAN OF 300 LEVEL FROM COMPANY MAPS

DOCKET NO. 1878

MONARCH MINE
MURRAY, IDAHO

GEOLOGIC MAP OF 1200, PART OF 1400, AND 1470 LEVELS

GEOLOGY BY R.E. WALLACE AND H.C. RAINEY
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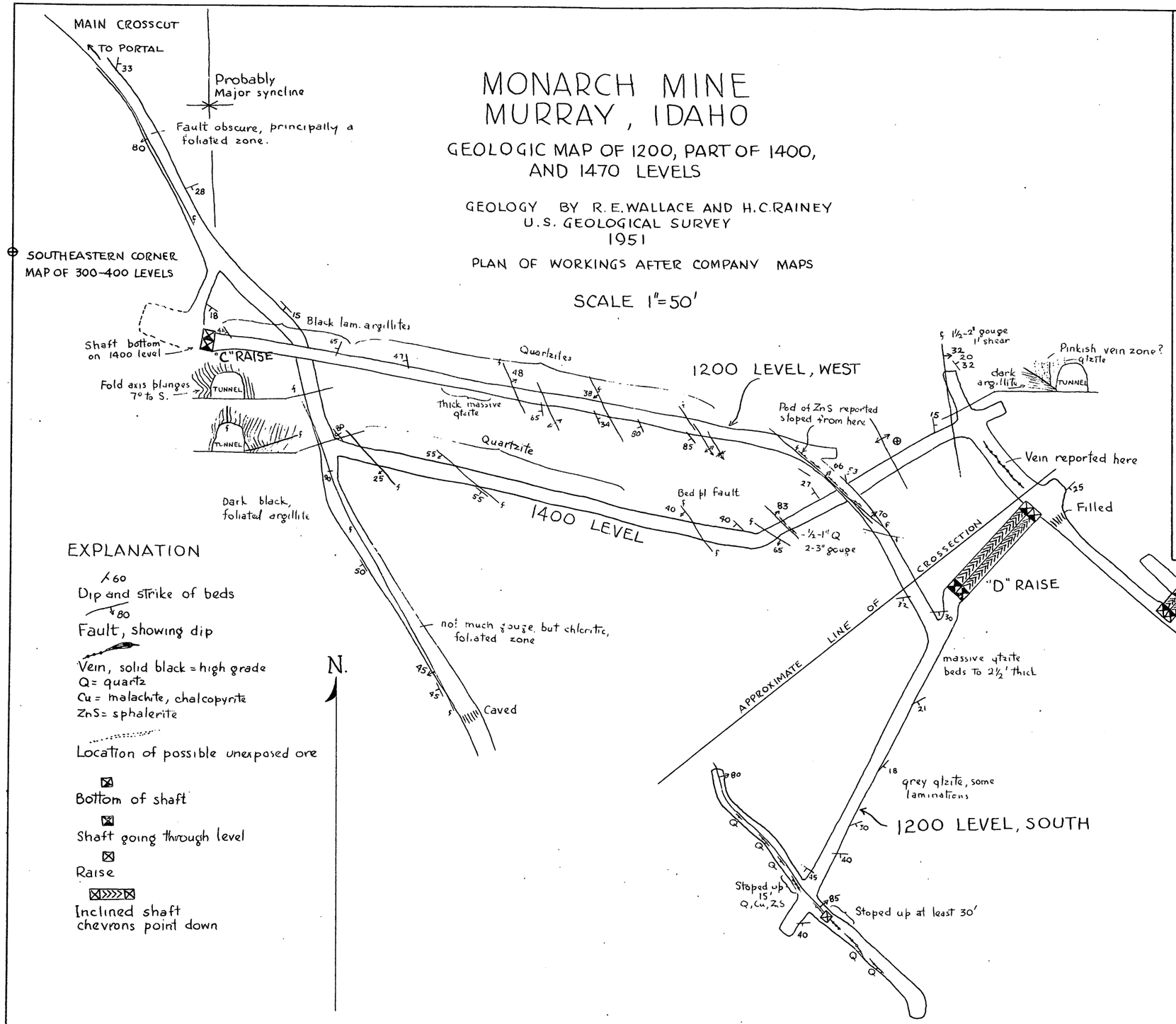
1951

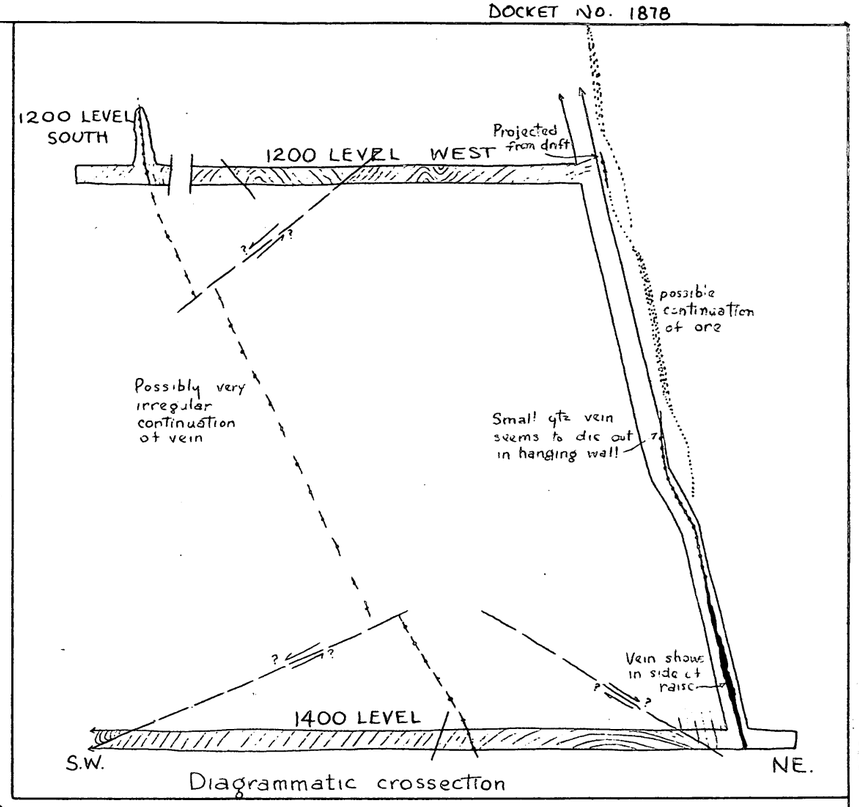
PLAN OF WORKINGS AFTER COMPANY MAPS

SCALE 1"=50'



EXPLANATION

- Dip and strike of beds
- Fault, showing dip
- Vein, solid black = high grade
  - Q = quartz
  - Cu = malachite, chalcopyrite
  - ZnS = sphalerite
- Location of possible unexposed ore
- Bottom of shaft
- Shaft going through level
- Raise
- Inclined shaft chevrons point down



Diagrammatic crossection

MONARCH MINE
MURRAY, IDAHO

SECTION ALONG LINE A-B
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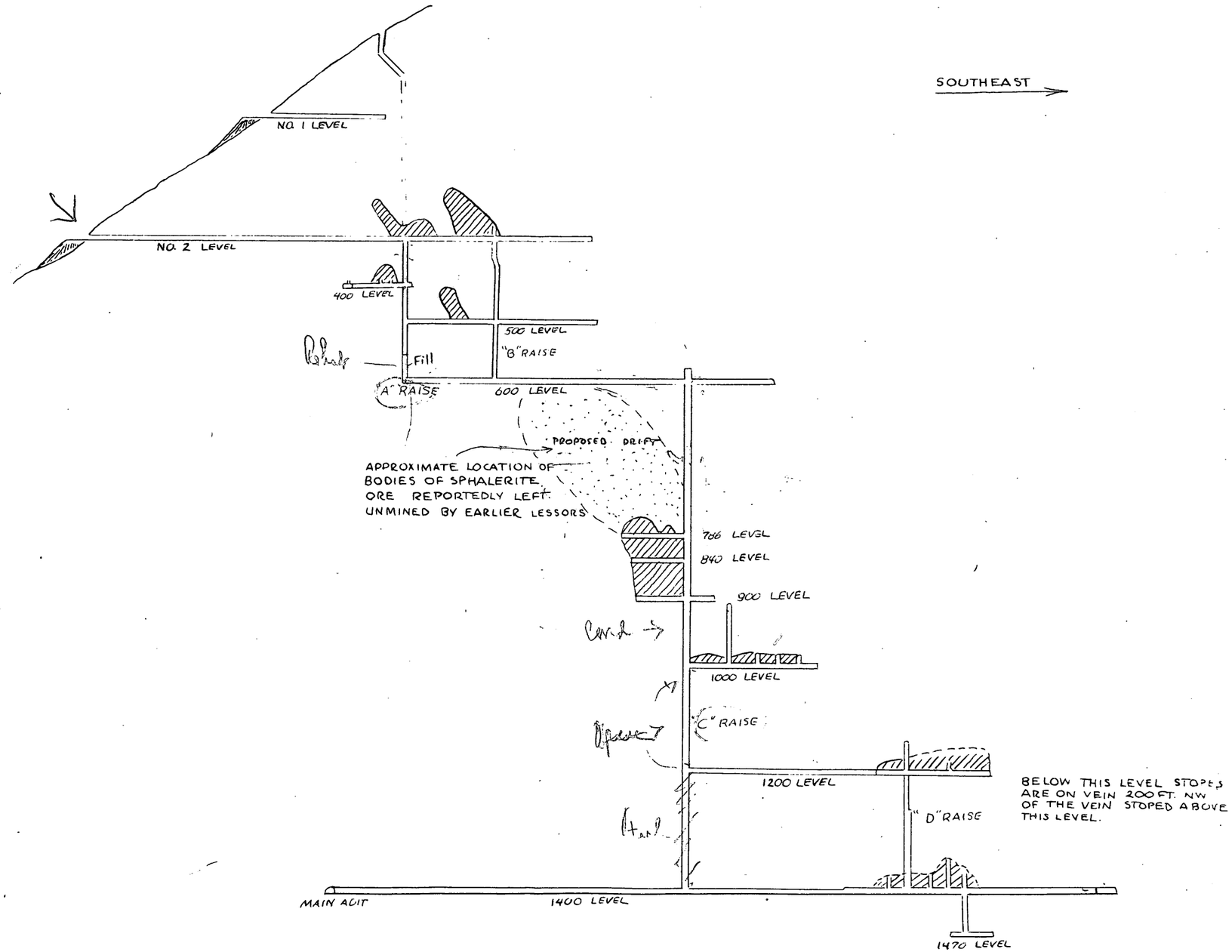
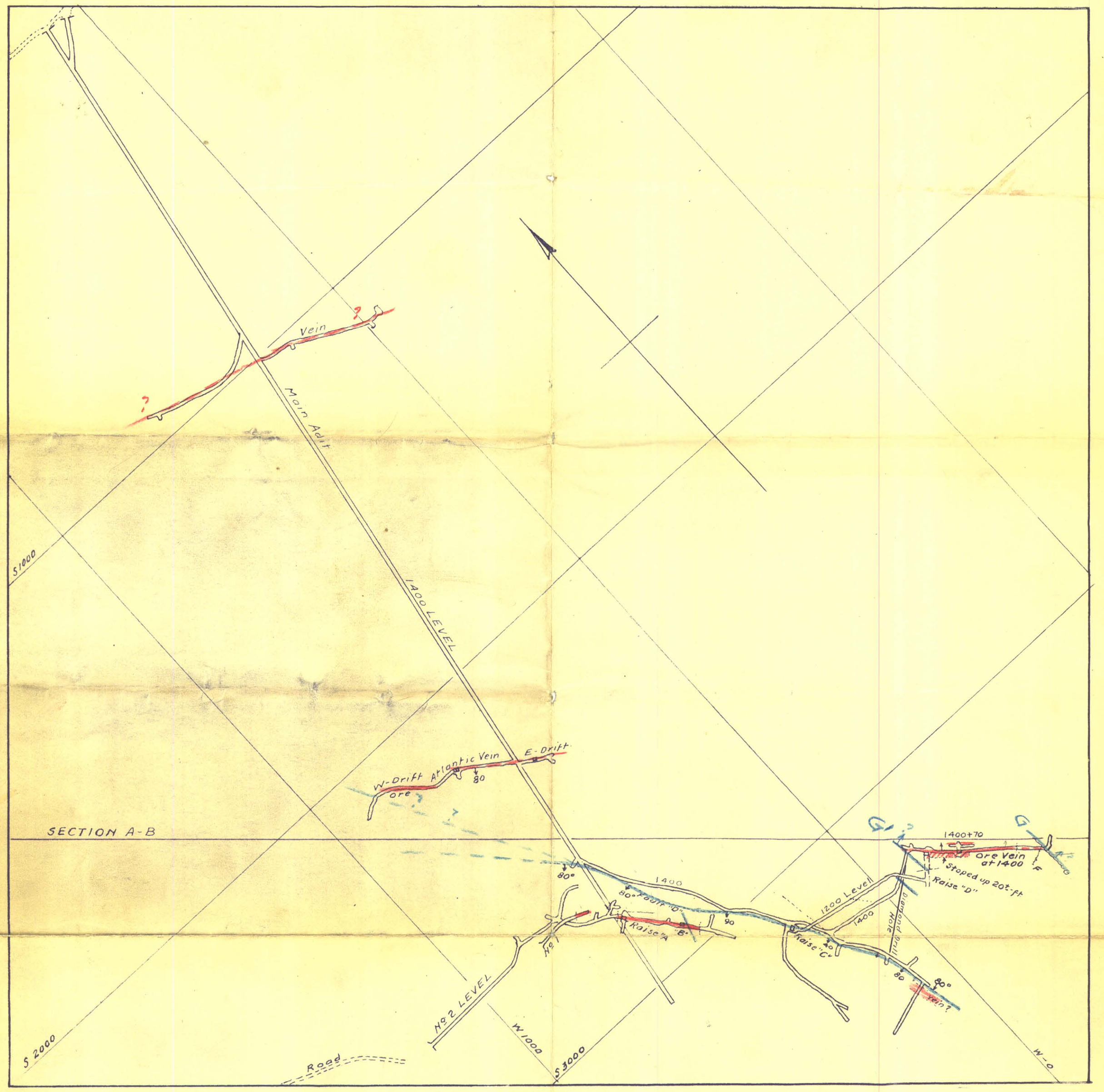
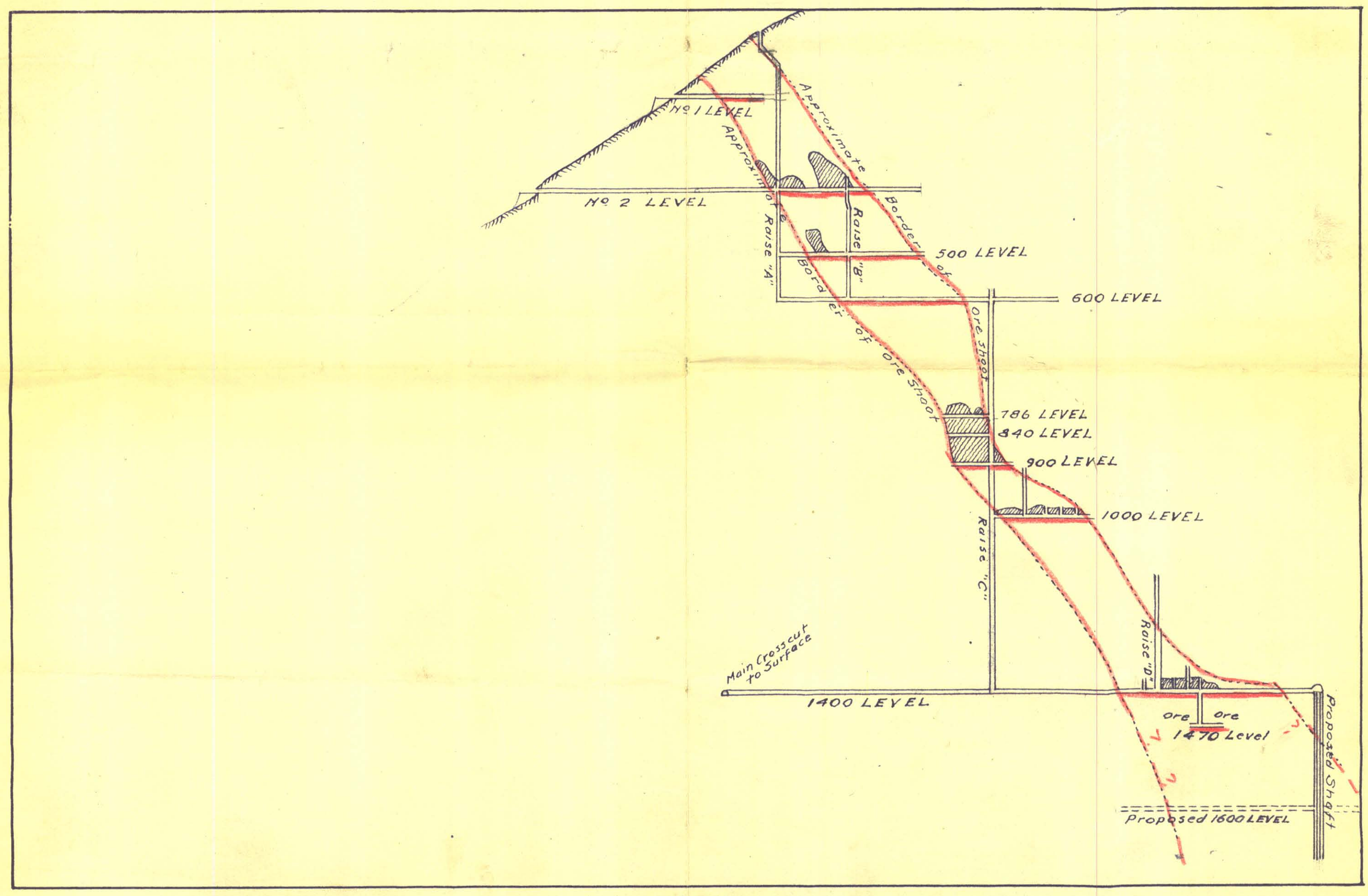




Plan of Part of Monarch Workings, Murray, Idaho.

SCALE : 200-ft. to 1-in. Vein Fault Formation: Prichard argillites



Section A-B.