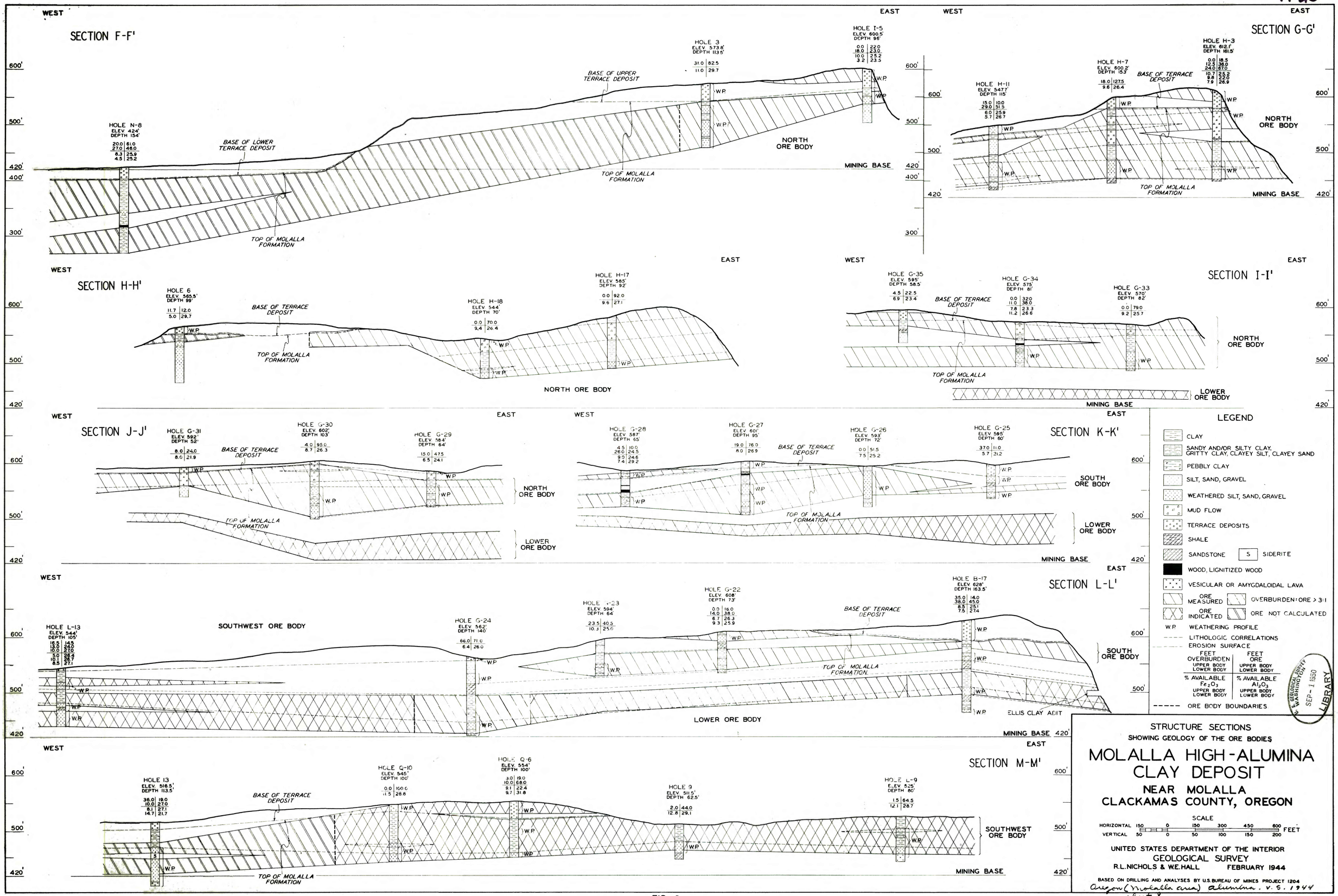
44-20


SECTION F-F'
WEST
EAST
HOLE N-8
ELEV. 424'
DEPTH 154'
20.0 | 61.0
27.0 | 46.0
8.3 | 25.9
4.5 | 25.2
BASE OF LOWER TERRACE DEPOSIT
TOP OF MOLALLA FORMATION
HOLE 3
ELEV. 573.8'
DEPTH 113.5'
31.0 | 82.5
11.0 | 29.7
BASE OF UPPER TERRACE DEPOSIT
W.P.
NORTH ORE BODY
HOLE I-5
ELEV. 600.5'
DEPTH 96'
0.0 | 22.0
18.0 | 23.0
10.0 | 25.2
3.2 | 23.5
MINING BASE
600'
500'
420'
400'
300'
SECTION G-G'
HOLE H-11
ELEV. 547.7'
DEPTH 115'
15.0 | 10.0
29.0 | 51.5
6.0 | 25.9
5.7 | 26.7
HOLE H-7
ELEV. 600.2'
DEPTH 153'
18.0 | 27.5
9.6 | 26.4
HOLE H-3
ELEV. 612.1'
DEPTH 161.5'
0.0 | 18.5
12.5 | 36.0
24.0 | 67.0
10.7 | 25.2
9.8 | 22.0
7.9 | 26.9
SECTION H-H'
HOLE 6
ELEV. 565.5'
DEPTH 99'
11.7 | 12.0
5.0 | 29.7
HOLE H-18
ELEV. 544'
DEPTH 70'
0.0 | 70.0
9.4 | 26.4
HOLE H-17
ELEV. 585'
DEPTH 92'
0.0 | 92.0
9.6 | 27.1
SECTION I-I'
HOLE G-35
ELEV. 595'
DEPTH 58.5'
4.5 | 22.5
6.9 | 23.4
HOLE G-34
ELEV. 575'
DEPTH 81'
0.0 | 32.0
11.0 | 36.0
7.8 | 23.3
11.2 | 26.6
HOLE G-33
ELEV. 570'
DEPTH 82'
0.0 | 79.0
9.2 | 25.7
LOWER ORE BODY
SECTION J-J'
HOLE G-31
ELEV. 592'
DEPTH 52'
8.0 | 24.0
8.0 | 21.9
HOLE G-30
ELEV. 602'
DEPTH 103'
4.0 | 95.0
8.7 | 26.3
HOLE G-29
ELEV. 584'
DEPTH 64'
15.0 | 47.5
6.5 | 24.1
SECTION K-K'
HOLE G-28
ELEV. 587'
DEPTH 65'
4.5 | 10.0
26.0 | 24.5
9.0 | 24.6
7.4 | 29.2
HOLE G-27
ELEV. 601'
DEPTH 95'
19.0 | 76.0
8.0 | 26.9
HOLE G-26
ELEV. 593'
DEPTH 72'
0.0 | 51.5
7.5 | 25.2
HOLE G-25
ELEV. 595'
DEPTH 60'
37.0 | 11.0
5.7 | 21.2
SOUTH ORE BODY
SECTION L-L'
HOLE L-13
ELEV. 544'
DEPTH 105'
16.5 | 14.5
13.0 | 24.0
10.0 | 27.0
3.0 | 28.4
10.1 | 28.7
8.5 | 27.1
SOUTHWEST ORE BODY
HOLE G-24
ELEV. 562'
DEPTH 140'
66.0 | 71.0
6.4 | 26.0
HOLE G-23
ELEV. 594'
DEPTH 64'
23.5 | 40.5
10.3 | 25.0
HOLE G-22
ELEV. 608'
DEPTH 73'
0.0 | 16.0
14.0 | 38.0
6.7 | 26.3
9.3 | 25.9
HOLE B-17
ELEV. 628'
DEPTH 163.5'
35.0 | 14.0
38.0 | 45.0
8.5 | 25.1
7.5 | 27.4
ELLIS CLAY ADIT
SECTION M-M'
HOLE 13
ELEV. 516.5'
DEPTH 113.5'
36.0 | 19.0
10.0 | 27.0
8.1 | 27.1
14.7 | 21.7
HOLE Q-10
ELEV. 545'
DEPTH 100'
0.0 | 100.0
11.5 | 28.8
HOLE Q-6
ELEV. 554'
DEPTH 100'
3.0 | 19.0
10.0 | 68.0
9.1 | 22.4
9.7 | 31.8
HOLE 9
ELEV. 511.5'
DEPTH 62.5'
2.0 | 44.0
12.8 | 29.1
HOLE L-9
ELEV. 525'
DEPTH 80'
1.5 | 64.5
12.1 | 28.7
LEGEND
CLAY
SANDY AND/OR SILTY CLAY, GRITTY CLAY, CLAYEY SILT, CLAYEY SAND
PEBBLY CLAY
SILT, SAND, GRAVEL
WEATHERED SILT, SAND, GRAVEL
MUD FLOW
TERRACE DEPOSITS
SHALE
SANDSTONE
S SIDERITE
WOOD, LIGNITIZED WOOD
VESICULAR OR AMYGDALOIDAL LAVA
ORE MEASURED
OVERBURDEN : ORE > 3:1
ORE INDICATED
ORE NOT CALCULATED
W.P. WEATHERING PROFILE
LITHOLOGIC CORRELATIONS
EROSION SURFACE
FEET OVERBURDEN UPPER BODY LOWER BODY
FEET ORE UPPER BODY LOWER BODY
% AVAILABLE Fe_2O_3 UPPER BODY LOWER BODY
% AVAILABLE Al_2O_3 UPPER BODY LOWER BODY
ORE BODY BOUNDARIES
U.S. GEOLOGICAL SURVEY WASHINGTON
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SHOWING GEOLOGY OF THE ORE BODIES
MOLALLA HIGH-ALUMINA CLAY DEPOSIT
NEAR MOLALLA
CLACKAMAS COUNTY, OREGON
SCALE
HORIZONTAL 150 0 150 300 450 600 FEET
VERTICAL 50 0 50 100 150 200
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
R.L. NICHOLS & W.E. HALL FEBRUARY 1944
BASED ON DRILLING AND ANALYSES BY U.S. BUREAU OF MINES PROJECT 1204
Oregon (Molalla area) alumina. V.S. 1944
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FIG. 8