

RECORD IDENTIFICATION

RECORD NO..... M020332
 RECORD TYPE..... X1M
 INFORMATION SOURCE... 1
 MAP CODE NO. OF REC..

REPORTER

NAME..... FERNS, MARK L. (BROOKS, HOWARD C.)
 AFFILIATION..... BDGMI
 DATE..... 81 05

NAME AND LOCATION

DEPOSIT NAME..... RIVERTON COALS
 SYNONYM NAME..... ALPINE, TIMON, GAGE, MCGEE, ROUSE, URQUHART, KNIGHT

MINING DISTRICT/AREA/SUBDIST. COOS BAY COAL FIELD

COUNTRY CODE..... US
 COUNTRY NAME: UNITED STATES

STATE CODE..... OR
 STATE NAME: OREGON

COUNTY..... COOS
 DRAINAGE AREA..... 17100305 PACIFIC NORTHWEST
 PHYSIOGRAPHIC PROV..... 13 COAST RANGE
 LAND CLASSIFICATION..... 01

QUAD SCALE QUAD NO OR NAME
 1: 62500 BANDON

LATITUDE LONGITUDE
 43-09-02N 124-16-31W

UTM NORTHING UTM EASTING UTM ZONE NO
 4778100 396300 +10

TWP..... 028S
 RANGE..... 013W
 SECTION.. 17 19
 MERIDIAN. WILLAMETTE

ACCURACY OF LOCATION
 ACCURATE

COMMODITY INFORMATION

COMMODITIES PRESENT..... COA

ANALYTICAL DATA

SOURCE REFERENCE.. ALLEN, 1944
 BTU..... 9250
 SULFUR..... 0.7
 ASH..... 7.6
 FIXED CARBON..... 40.3
 VOLATILES..... 32.8
 MOISTURE..... 19.3
 THICKNESS OF COAL. 1.6 FT

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 8
 YEAR OF FIRST PRODUCTION. 1895

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

SEDIMENTARY

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL
 DEPTH TO TOP 35 FT
 MAX THICKNESS..... 4 FT
 STRIKE OF OREBODY.... N
 DIP OF OREBODY..... 6-15 E

DESCRIPTION OF WORKINGS

SURFACE AND UNDERGROUND

COMMENTS(DESCRIP. OF WORKINGS):

SEVERAL THOUSAND FEET OF TUNNELS AND A SMALL OPEN PIT

PRODUCTION

YES
 SMALL PRODUCTION

CUMULATIVE PRODUCTION (ORE, COMMOD., CONC., OVERBUR.)

| ITEM | ACC | AMOUNT | THOUS. UNITS | YEAR | GRADE, REMARKS |
|--------|-----|----------|--------------|-----------|----------------|
| 15 COA | EST | 0230.000 | TONS | 1897-1943 | |

SOURCE OF INFORMATION (PRODUCTION).. ALLEN (1944)

PRODUCTION COMMENTS..... INTERMITTENT PRODUCTION

RESERVES AND POTENTIAL RESOURCES

| ITEM | ACC | AMOUNT | THOUS. UNITS | YEAR | GRADE | OR | USE |
|-------|-----|----------|--------------|------|-------|----|-----|
| 1 COA | EST | 0630.000 | TONS | 1953 | | | |

SOURCE OF INFORMATION (RESERVES/POT RESOURCES).. BALDWIN (1973)

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... ED
 HOST ROCK TYPES..... SANDSTONE AND SHALE

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

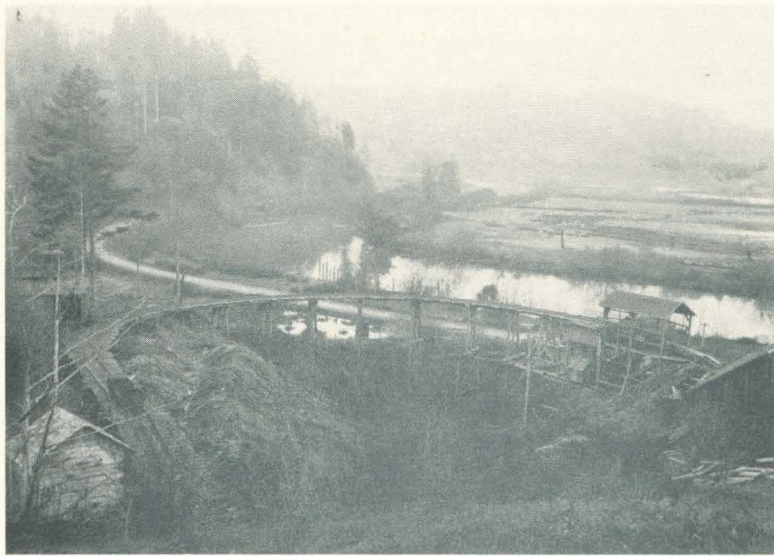
- 1) NAME: COALEDO
- AGE: ED

COMMENTS (GEOLOGY AND MINERALOGY):

COAL BEDS FORM PART OF AN ASYMMETRICAL, GENTLY NORTH PLUNGING SYNCLINE

GENERAL REFERENCES

- 1) BALDWIN, E.M. AND OTHERS, 1973, GEOLOGY AND MINERAL RESOURCES OF COOS COUNTY, OREGON; ODGMI BULL. 80, P. 76
- 2) ALLEN, J.E. AND BALDWIN, E.M., 1944, GEOLOGY AND COAL RESOURCES OF THE COOS BAY QUADRANGLE, OREGON; ODGMI BU 29, P. 99



Alpine Mine

Upper, entrance to slope.

Lower, view of track from
slope to bunker;
U.S. Highway 101 and
Coquille River in
background.

Alpine - 4

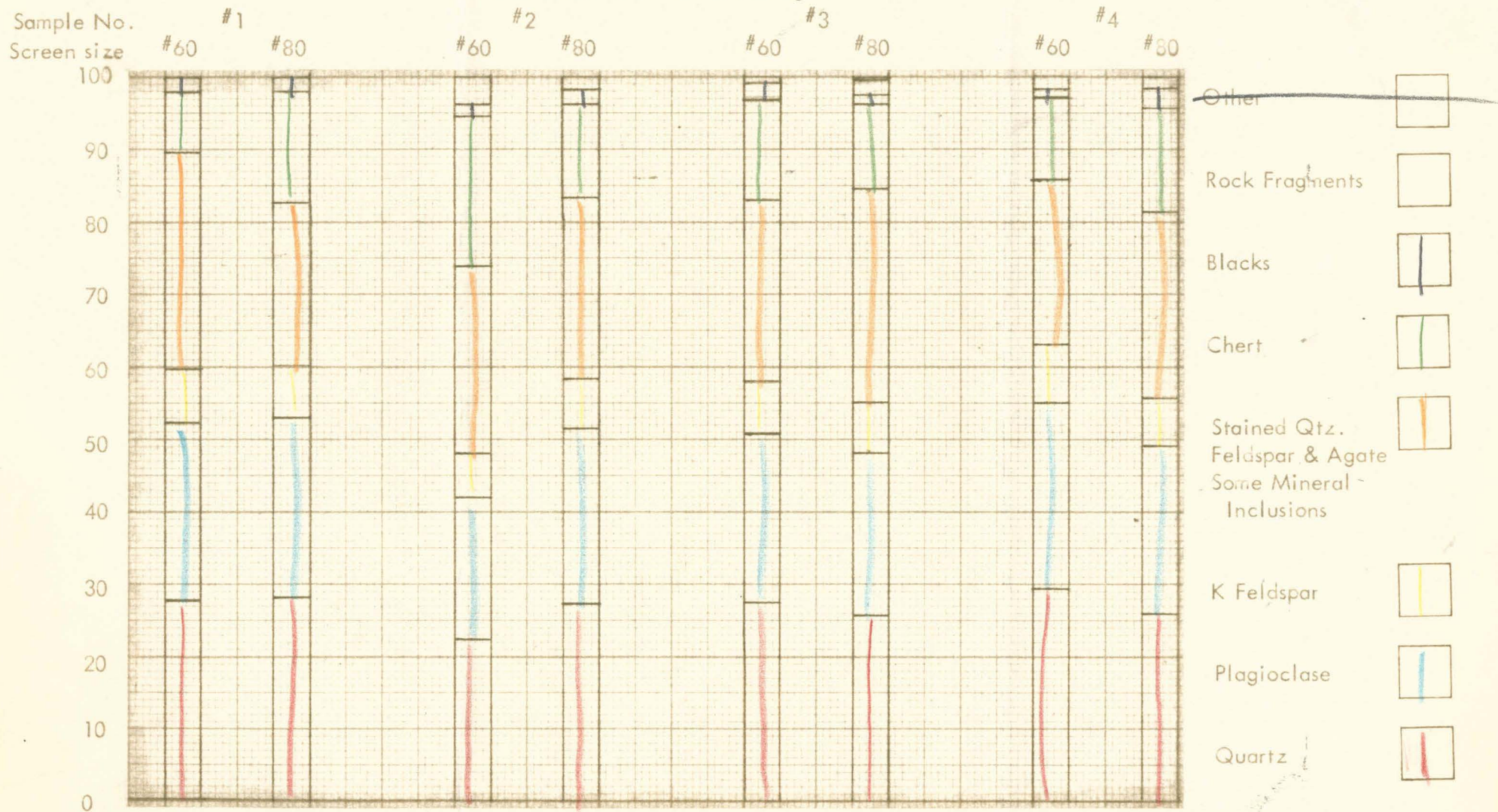
pea dropping to a truck bin & the truck passing to an outside storage pile. A "home made" jaw crusher is available for crushing R-om to staker size.

The Coquille navigatable to boats capable of hauling 250 tons, & barges of 100 tons (such were in use about 1917 and earlier).

Pumping & the McQuinty hoist are electrical, power from Mt. States Power Co.

Samples were taken at the slope face and in a cross cut about 75' below 45 entry. The staker test sample come from 45, ~~and~~ rooms 2, 3, & 4, and 27, room 2.

Table 3
 Mineral Percentages
 of
 Dune Sands Near Hauser, Oregon



State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

Coos County
Coos Bay Area

ANALYSIS OF DUNE SANDS NEAR HAUSER, OREGON

Samples were taken in four areas from a depth of 1 foot below the surface. Locations of the samples are as follows:

- (1) NE $\frac{1}{4}$ sec. 15, T. 24 S., R. 13 W.
- (2) Center west sec. line, sec. 10, T. 24 S., R. 13 W.
- (3) West $\frac{1}{2}$ SE $\frac{1}{4}$ sec. 34, T. 23 S., R. 13 W.
- (4) Center S $\frac{1}{2}$ sec. 15, T. 24 S., R. 13 W.

The samples were split in the laboratory and carefully weighed out to 500 g. each and screened in a "Rotap" shaker using standard U.S. sieve series.

Identification and percentage counts of minerals were made using the binocular and petrographic microscopes. In addition, a staining method was employed to distinguish orthoclase, plagioclase, and quartz. Moderately to highly stained quartz and feldspars were not individually identified but tabulated as stained minerals.

The individual grains range in shape from subrounded to subangular with the majority subrounded. Slight frosting is apparent on most of the grains, and some pitting on a few grains. The feldspars frequently show fractures along cleavage planes, and in the stained varieties the staining is along cleavages. The amber stained quartz is mostly agate. Some of the quartz contains inclusions of rod-shaped minerals, probably tourmaline, rutile, and apatite. Some of the feldspars are clouded and zoned.

Sieve analyses show sorting to a high degree. Only traces to a fraction of a percent were caught on the #40 screen, and less than 2 $\frac{1}{2}$ percent passed the #100 screen. In all cases, over 90 percent of the sand was caught on the #60 and #80 screens.

Mineral counts made on material retained on screens other than the #60 and #80 screen sizes indicated no appreciable variation in mineralogy.

Conclusions

The number of grains counted in each sample ranged from 100 to 150. Spot checks made of several of the samples varied within 5 percent. Variation was partly due to the limited number of grains counted. The average of the four samples therefore is believed to be nearly the actual analysis of the sand dune area in the vicinity of the sampling. (See Table 2.)

Table 1
SIEVE ANALYSIS OF DUNE SAND NEAR HAUSER, OREGON
U.S. Standard Sieve Designations

Material Retained on Screens

| <u>Screen No.</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|-------------------|-------------|-------------|-------------|-------------|
| 40 | Trace | 1.08 | 0.18 | 0.58 |
| 60 | 24.34 | 63.40 | 41.96 | 84.06 |
| 80 | 66.22 | 32.06 | 52.30 | 14.26 |
| 100 | 7.26 | 2.90 | 4.70 | 0.90 |
| 140 | 1.56 | 0.46 | 0.74 | 1.12 |
| 200 | 0.16 | 0.06 | 0.08 | 0.06 |
| Pass 200 | <u>0.06</u> | <u>0.04</u> | <u>0.04</u> | <u>0.02</u> |
| Total | 100.00 | 100.00 | 100.00 | 100.00 |

Accumulative

| <u>Accumulative Screen No.</u> | <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> |
|------------------------------------|----------|----------|----------|----------|
| 40 | Trace | 1.08 | 0.18 | 0.58 |
| 60 | 24.34 | 64.48 | 42.14 | 84.64 |
| 80 | 90.56 | 96.54 | 94.44 | 98.90 |
| 100 | 97.82 | 99.44 | 99.14 | 99.80 |
| 140 | 99.38 | 99.90 | 99.88 | 99.92 |
| 200 | 99.54 | 99.96 | 99.96 | 99.98 |
| Pass 200 | 100.00 | 100.00 | 100.00 | 100.00 |

Table 2
 PERCENTAGE COUNTS OF THE VARIOUS MINERALS
 RETAINED ON THE #60 AND #50 SCREENS

| No. | Quartz | Plagio- clase | K-Feld- spar | Stained crystals | Chert | Black | Other & Rock frags. | Total |
|---------|--------|------------------|-----------------|---------------------|-------|-------|------------------------|--------|
| 1-60 | 27.8 | 24.5 | 7.1 | 30.0 | 8.2 | 2.4 | - - | 100.00 |
| 1-80 | 28.2 | 25.0 | 7.2 | 22.6 | 15.1 | 2.0 | - - | 100.00 |
| 2-60 | 22.3 | 19.6 | 5.7 | 25.9 | 20.6 | 1.6 | 4.2 | 99.9 |
| 2-80 | 27.2 | 24.1 | 7.0 | 25.1 | 12.8 | 1.9 | 1.9 | 100.0 |
| 3-60 | 27.5 | 23.3 | 7.1 | 25.3 | 13.6 | 0.6 | 1.8 | 99.2 |
| 3-80 | 25.8 | 22.8 | 6.6 | 29.5 | 11.8 | 1.3 | 2.0 | 99.8 |
| 4-60 | 29.4 | 26.0 | 7.6 | 22.5 | 11.5 | 1.1 | 1.7 | 99.8 |
| 4-80 | 26.0 | 23.0 | 6.7 | 26.3 | 14.4 | 2.6 | 1.3 | 100.3 |
| Total | 214.2 | 188.3 | 55.0 | 207.2 | 107.0 | 13.5 | 12.9 | |
| Average | 26.8 | 23.6 | 6.9 | 25.9 | 13.4 | 1.7 | 1.6 | 99.9 |

Report by: Herbert G. Schlicker
 December 1960