2376

GEOCHEMICAL REPORT

ON THE

SALLUS AND SALLUS CREEK CLAIMS

LILLOOET MINING DIVISION

B.C.

for

Canadian Johns-Manville Company Ltd.

Exploration Department

Box 1500

Asbestos, P.Q.

VERSATILE MINING SERVICES LTD. Kamloops, B.C.

Chn R.Ker

Covering: Sallus Claims Nos. 1 - 24 11

Jøhn R. Kerr, P. Eng. May 11th, 1970

Sallus Creek Claims Nos. 25 - 38 · • • • • " 41 - 52 " 101 - 118 11 11

" 61 - 91

" 119 - 124

1) 50[°]N-121[°]W, SE Corner (NW Quarter) Located: N.T.S. Map 921/= (BW 2) 10 Miles NE of Lillooet 3) Lillooet Mining Division, B.C.

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C.J.M. Project 406 B.C.C. Report 69VF2-8 June-August, 1969 Work Date: Report Date: February 3, 1970

JOHN R. KE BRITISH VGI 240

Forgeron, Ph.D. Bondar-Clegg & Company Ltc Vancouver, B.C.

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Map 3

Copper Content of Soils and Talus Fines, Sallus Creek Area, Lillooet Mining Division, B.C.

Map 4

Copper and Molybdenum Content of Soils, Sallus Creek Area, Lillooet Mining Division, B.C.

Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. **2376** MAP SUMMARY

An extensive contour sampling program was carried out over the Sallus and Sallus Creek claims during the summer of 1969. A total of 1071 soil and talus fines were collected and analyzed for copper and molybdenum. In addition to the contour sampling a mineralized zone, previously located was tested geochemically by detailed 100 x 200 feet grid sampling.

Seven extensive copper molybdenum anomalies were outlined and both dispersions closely overlap. Follow-up investigation failed to uncover significant mineralization, and leaching of mineralization from fractures in surface zones is offered as an explanation of the phenomenon.

Additional analytical work is recommended prior to further field programs as a basis of selection of the more favourable of the anomalies.

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INTRODUCTION

General:

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This report summarizes the results of a soil and talus fines sampling program in the Sallus Creek area of the Lillooet Mining Division, B.C. The program was initiated by anomalous molybdenum and copper results in stream sediments collected earlier in the season. Sampling was conducted by personnel of Bondar-Clegg & Company Ltd. and Canadian Johns-Manville Company Ltd. during the period from June 30 to August 30, 1969.

Location and Access:

The Sallus and Sallus Creek claims are located 10 miles northeast of Lillooet, B.C. (N.T.S. Map 921/12E) between Gibbs Creek on the south and Sallus Creek on the north. Access from Lillooet is via a secondary road on the east side of the Fraser River to a logging road about 1.3 miles north of Gibbs Creek and thence eastward to C.J.M. claim Sallus #72.

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Physiography:

Relief within the claim group is in excess of 4500 feet with elevations rising from 1400 feet along the Fraser River (west boundary) to over 6500 feet on the eastern boundary. Much of the area is fairly heavily wooded with fir and pine except where broken by large talus slopes.

Drainage is mainly to the west and streams are fast-flowing. Good soil profiles are found in wooded and grassy areas.

Geology:

Canadian Johns-Manville personnel have mapped the claim group at a scale of 1 inch = 1000 feet and detailed mapping at 1 inch = 50 feet has been done over the No. 1 showing within the soil grid shown on Map 4. The western 3/4 of the survey area is underlain by Cache Creek Group rocks, primarily siliceous schist with some quartzite, conglomerate and banded marble, cut in places by later diabase and diorite dike intrusions. A 2000 to 3000 foot wide outcropping of banded marble with siliceous schist and quartz veins has been mapped in the northeast quarter of the claim group.

Contacting the Cache Creek rocks near the eastern boundary of the claim group is a Jurassic intrusion

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Geology: Cont'd.

of granite, granodiorite and quartz monzonite known as the Mt. Mortlay Stock.

Mineralization in the No. 1 showing area consists of malachite, bornite, chalcopyrite and molybdenite in one to eight inch wide east-west trending quartz veins within the quartz monzonite intrusive. Mineralization in the form of pyrite, pyrrhotite and malachite has been found in the Cache Creek rocks, particularly near the diabase dikes. Assay values from samples taken in the No. 1 showing area range up to 1.10% Cu and 0.32% Mo.

GEOCHEMISTRY

Field Methods:

Soil and talus fines samples were collected by shovel on the 500 foot contours from 2500 to 6000 feet, inclusive. A judgement distinction was made in the field between B-Horizon soils and talus fines so that they could be treated separately when analyzing the results statistically. Other data recorded at the sample sites included direction and degree of drainage slope, horizon and depth, color, texture, and brief remarks on rock types and mineralization.

A 2000 by 5000 feet soil grid over No. 1 showing was sampled by Mr. W. Burry of Canadian Johns-Manville Company Ltd. at 100 x 200 feet spacings.

Sample sites were located in the field by altimeter and pacing and are therefore subject to minor errors which may result in slightly displaced anomalous patterns on the metal content maps. A well controlled baseline with crosslines would be useful not only for additional sampling and geophysical work but also for tying in the contour sampling where the locations are flagged.

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Analytical:

A total of 1553 soil and talus fines samples were collected and analyzed for copper and molybdenum in the Vancouver laboratories of Bondar-Clegg & Company Ltd. The samples were dried at $40-50^{\circ}$ C in infra-red ovens and sieved to -80 mesh in Tyler type 8 inch stainless steel sieves. An aliquot of -80 mesh fraction was digested in hot <u>aqua regia</u> to extract the metals. The metals were determined by atomic absorption spectrophotometry at a detection limit of 1 ppm for both metals.

Classification and Presentation of Data:

The analytical data were plotted as histograms and the background contents taken from the modal class. The data were further classified into possibly anomalous, probably anomalous and definitely anomalous categories on the basis of the survey data and other surveys of a similar nature. The observed values of both copper and molybdenum differed significantly in the soils and talus fines. This difference could not be explained by differing sources but rather by differential partitioning between phases. The B-Horizon samples are subjected to organic acid leaching from the A-Horizon, resulting in a decrease in the equilibrium metal contents with respect to the talus fines. For this reason the talus fines and soils were classified separately

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<u>Classification and Presentation of Data</u>: Cont'd. giving different quantitative limits between the anomalous categories.

The Mo and Cu results of the contour sampling are plotted on Maps 2 and 3 respectively and the Mo and Cu results of the soil grid are entered on Map 4. A system of symbols was used to illustrate the anomalous categories and is shown on Maps 2 and 3. For the soil grid, 6 ppm and 14 ppm contours for molybdenum and 75 ppm and 135 ppm contours for copper, were substituted for symbols to outline the anomalous zones. The location of the soil grid is shown on Map 1.

Interpretation of Geochemical Results:

<u>General</u>: The background contents of Mo and Cu in soils are 3 and 37 ppm, respectively. In the talus fines, corresponding backgrounds are 6 and 65 ppm, respectively. These figures were arrived at by plotting whole distributions of the soils and talus fines and present the possibility of error on a sample to sample basis. Inspection of the values when plotted in terms of anomalous categories, however, on Map 2 and 3 shows a relatively smooth distribution of categories and fairly distinct Interpretation of Geochemical Results: Cont'd. anomalies indicating a workable selection of limits for the metals between the two phases.

A total of 7 anomalies are outlined on each of Maps 2 and 3. The Cu and Mo anomalies are roughly coincident suggesting a common source for each anomaly. A displacement of the anomalies, which occurs largely on a sample to sample basis, reflects small differences in mobilities of the metals.

Mo Anomaly 1, Cu Anomalies 1 and 2: This anomaly includes 7 Mo and 3 Cu values in the definitely anomalous category. The anomaly occurs over the Cache Creek banded marble immediately down slope from the Mt. Mortlay intrusive indicating the possibility of a skarn type deposit.

Mo Anomaly 2, Cu Anomaly 3(In Part): This anomaly is located in the Cache Creek marble and schists. It includes 5 Cu and 3 Mo definitely anomalous values, and the origin of this anomaly is similar to that of Mo anomaly #1.

Mo Anomaly 3, Cu Anomalies 3 and 4: This is a large anomaly including 15 Cu and 13 Mo definitely

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Interpretation of Geochemical Results: Cont'd. anomalous values. The interpretation of this anomaly is the same as for Mo anomalies 1 and 2.

Mo Anomaly 4, Cu Anomaly 5: These anomalies include 11 definitely anomalous Cu and 6 definitely anomalous Mo values. Very little outcrop has been recorded in this area, although the bedrock is considered to be composed largely of siliceous schists containing carbonate and quartz veins. A vein and/or fracture filling type of deposit could exist in this environment.

Mo Anomaly 5, Cu Anomaly 6: This anomaly includes 6 definitely anomalous Mo values and 3 definitely anomalous Cu. The area is characterized by heavy talus and is underlain by a variety of schists, phyllites, and other metasediments and/or metavolcanics of the Cache Creek group. The source of the anomaly is probably related to mineralization in veins or fractures.

Mo Anomaly 6, Cu Anomaly 7: This anomaly is well defined and includes 16 definitely anomalous Mo and 6 definitely anomalous Cu values. This area was examined in some detail by the writer and a dominant feature is the

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Interpretation of Geochemical Results: Cont'd. ubiquitous iron oxide coating on the rocks and also a yellowish powdery coating which occurs commonly in and near fracture zones. A more detailed description of this coating is given below. The source of the anomaly is considered to be as for Mo anomaly 5 i.e. Cu and Mo mineralization in veins or fractures.

<u>Mo Anomaly 7</u>: This anomaly is described by 3 definitely anomalous Mo values and several possibly and probably anomalous values. Cu is sporadically anomalous in the area also. The anomaly occurs in the contact area of Cache Creek marble and the Mt. Mortlay intrusive. The source of this anomaly is interpreted as skarn type mineralization in the marble or dissemination in quartz veins in the intrusive.

Soil Survey: A soil survey was undertaken simultaneous with the contour sampling. The location of this soil survey is shown on Map 1 and the results on Map 4. This detailed soil survey was carried out on the basis of geological information and previously known showings in the area. The geochemical anomalies outlined on Map 4 consist of 2 distinctly anomalous zones, one in the north and one in the south end of the grid. The known mineralization Interpretation of Geochemical Results: Cont'd.

in the area occurs near the baseline between lines 2N and 6S which corresponds closely to the southern anomaly. The mineralization is located entirely in the intrusive rocks and occurs as disseminations and blebs in quartz veins. The soil anomaly in the north (Map 4) corresponds closely to Mo Anomaly 7 (Map 2).

The results of the soil survey indicate that anomalous Cu and Mo occur near the contact of the Mt. Mortlay Stock with the Cache Creek rocks. It is evident, however, that a similar source cannot be attributed to all the geochemical anomalies in the area, so other ore forming processes must be investigated.

Discussion of Results:

A dominant feature of the geochemical results to date is the extensive distribution of anomalous copper and molybdenum. Ten to twenty per cent of the whole area is anomalous and the anomalies are up to 6,000 feet in length and cover so much area that it is difficult to make a decision on detailed examination of all the anomalies or indeed of any one in particular; it is therefore desirable to acquire more information to assist in decision making with

regard to the next phase of exploration.

Geologically, there exist three significantly different environments in terms of ore forming processes:

 The Mt. Mortlay Stock as a porphyry type deposit,

2. the banded marbles of the Cache Creek Group as a skarn type deposit,

3. and the highly fractured and faulted Cache Creek meta-sediments and meta-volcanics as a fracture filling or vein type deposit.

Exploration to date has been concentrated on the Cache Creek sequences and virtually all the anomalies have been found in this environment; however, the only significant mineralization found to date occurs in the intrusive rocks near the contact with Cache Creek rocks. The limited exploration of the Mt. Mortlay intrusive carried out to date gives largely negative results but it should be noted that only a small fractuion of this intrusive has been examined in detail and no decisions either of a favourable or unfavourable nature are warranted on the intrusive rocks.

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Anomalies in the Cache Creek group can be divided into two groups, those in the marble and thos in the meta-volcanics and meta-sediments. Molybdenum anomalies 1, 2, 3, and 7 occur in the marble rocks and anomalies 4, 5, and 6 occur in the meta-volcanics and meta-sediments. There has not been any pertinent structural evidence to date which serves to draw attention to any one anomaly.

The failure to locate extensive mineralization in the Cache Creek rocks may be related to one or two features.

1. The mineralization occurs along the fracture systems and has been weathered out in the surface area or

2. Mineralization may be of limited extent and therefore of no interest economically.

Concerning the possibility of No. 1, the writer examined molybdenum anomaly No. 6 in some detail and discovered the presence of white to yellow coatings on rocks, particularly in fracture zones. These coatings are composed, in large part, of calcium sulphates. In addition, gypsum has been observed in certain fracture zones. The origin of these sulphates is probably due to a breakdown of sulfides with the liberation of sulfuric acid which, on contact with

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calcareous rocks, particularly the marbles, results in the precipitation of calcium sulphate. Where the coatings are yellow, preliminary analyses indicate that molybdenum is fairly high (up to 40 ppm) and arsenic up to 1,000 ppm. The true extent to which the sulphates are distributed is unknown, however further analyses of the talus samples for arsenic and possibly antimony may provide very valuable information permitting the discrimination of anomalies with respect to certain mineral associations. It is possible that the copper-molybdenum suite is not the only one of prime importance. The discovery of a new suite of minerals would permit more definite information on priorities within the area as a whole as well as between anomalies within the area.

The Sallus Creek group of claims is adversely located with respect to access. The surface morphology does not lend itself to detailed geophysical examination and surface exploration, i.e. trenching and diamond drilling cannot be carried out on a large scale with a high probability of success unless a large capital expenditure is involved. It is therefore suggested that the next phase of exploration in this area should consist of additional

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analytical work to be carried out on a multi-element success contingent basis with a view to examination of several mineralogical associations, i.e. skarn type deposits, porphyry type deposits, gold-tellurideantimonide deposits, etc.

CONCLUSION

The Sallus Creek claims are characterized by extensive copper and molybdenum anomalies in soils and talus fines. Attempts to date to discover the source of these anomalies have been largely unsuccessful. It is concluded that if economic deposits of copper and molybdenum occur within this claim group they probably occur as fracture fillings, and that the mineralization at surface has been leached.

The next phase of field operations should consist of geophysical surveys, trenching and/or diamond drilling. The best target areas are the geochemical anomalies. The anomalies are too extensive to permit a detailed examination of all of them within a reasonable cost structure. It is therefore concluded that additional analytical work will be required as the basis for discriminating between geochemical anomalies.

A minimum of two geochemical anomalies ashould be subjected to detailed examination. One geochemical anomaly should be examined in the banded marble environment and another in the meta-sediments and meta-volcanics. The

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Conclusion: Cont'd.

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anomalies are to be selected on the basis of multielement trends in the soils and the talus fines.

RECOMMENDATIONS

 A group of approximately 100 samples from within molybdenum anomalies one, two and six are to be subjected to analyses for arsenic, mercury and antimony.
 If a significant contrast in the values is achieved all the talus fine samples are to be similarly analyzed.

Contingent upon the success of Recommendation
 No. 1, additional analytical work may be warranted to explore
 or confirm economic mineral association.

3. Two areas are to be selected for detailed surface exploration consisting of reconnaissance geophysical surveys (E.M. or I.P.), trenching and/or diamond drilling. APPENDIX I

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Costs of Survey

COSTS OF GEOCHEMICAL SURVEYS SALLUS CREEK AREA

| 1. | Sampling Costs 19 days @ 53.30/crew day 62 days @ 40.00/crew day | 1012.70 2480.00 | |
|----|---|--------------------|------------|
| | Room & Board 81 days @ 21.00/ crew day Vehicle 81 days @15.50/day | 1701.00 1255.50 | |
| | Transportation to & from work area (VanKamloops) twice (Kamloops-St. John's, Nfld.) | 250.00 | 6699.20 |
| 2. | Analytical Costs - 1553 samples Analyzed for Cu, Mo @1.76/sample | e | 2733.28 |
| 3. | Consulting 1 day @100.00/day Consulting Expenses | 100.00 45.50 | 145.50 |
| 4. | Report Report preparation | 600.00 269.15 | 869.15 |
| 5. | Miscellaneous Express Charges Office Supplies | 75.00 50.00 | 125.00 |
| | TOTAL | | \$10572.13 |

C. J. M. Project 406 Report Number 69VF2-8 February 3, 1970

F. D. Forgeron, Ph.D.

Bondar-Clegg & Company Ltd. Vancouver, B.C. APPENDIX II

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Personnel

- Personnel -

Mr. W. Kennedy Bondar-Clegg & Company Ltd., 1500 Pemberton Avenue, North Vancouver, B.C.

Mr. W. J. Burry

Canadian Johns-Manville Company Ltd., #6 - 219 Victoria Street, Kamloops, B.C.

Mr. A. Gussen

Canadian Johns-Manville Company Ltd., #6 - 219 Victoria Street, Kamloops, B.C.

Mr. W. Gallant

Canadian Johns-Manville Company Ltd., #6 - 219 Victoria Street, Kamloops, B.C.

Mr. J. Adams

Geology Department, Carleton University.

Mr. A. Johnson

Canadian Johns-Manville Company Ltd., #6 - 219 Victoria Street, Kamloops, B.C.

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F.D. Forgeron, Ph.D. Bondar-Clegg & Company Ltd. Vancouver, B.C. APPENDIX III

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Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, Fabian David Forgeron, of the City of Vancouver do hereby declare that:

I am a geologist residing through Bondar Clegg & Company Ltd., 1500 Pemberton Avenue, North Vancouver,
 B.C.

2. I have practised in the geological profession for 12 years and specialized in geochemistry for the past seven years.

3. I am a graduate of the following universities:

St. Francis Xavier, N.S. - B.Sc. (Geology) 1957 Carleton University, Ont.- M.Sc. (Geology) 1962 University of Manchester, U.K.- Ph.D. (Geochemistry) 1966

I have no interest, direct or indirect, in
 Canadian Johns-Manville Company Ltd. or any affiliate nor do
 I expect to receive any.

5. This report is based on published and unpublished material, and on my personal observations.

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F. D. Forgeron, Ph.D. Bondar-Clegg & Company Ltd. Vancouver, B.C.

February 3, 1970



VANCOUVER ADDRESS: 1575 TWO BENTALL CENTRE, VANCOUVER 1, B.C.

STATEMENT OF QUALIFICATIONS

I, JOHN R. KERR, of the City of Kamloops, British Columbia, hereby certify that:

- 1. I am a registered member of the Association of Professional Engineers of British Columbia.
- 2. I am a geologist residing at 295 Greenstone Drive, Kamloops, B.C., and am employed by Versatile Mining Services Ltd., of P.O. Box 609, Kamloops, B.C.
- 3. I am a graduate of the University of British Columbia obtaining a bachelor's degree in Geological Engineering (B.A.Sc., 1964). I have practised my profession for six years.
- 4. During the period of the geochemical survey, July August, 1969, I personally supervised geochemical sampling crews mentioned in this report. I was employed by Canadian Johns-Manville Co. Ltd., during this period.
- 5. I have no beneficial interest in Canadian Johns-Manville Co. Ltd., in the property discussed in this report, nor do I expect to receive any.



John R. Ken

John R. Kerr, P. Eng., Geologist

CONTRACTORS OF MINERAL EXPLORATION, ASSESSMENT AND DEVELOPMENT PROJECTS



Start and the FDE

DATA PRESENTATION

X

O SSK-1145

O SSK-1144 OSTK-1143 OSTK-1142

OSSK-1141

O STK-1140

O STK-1139

OSSK-1138

OSSK-1137

OSSK-1101

OSTK-1135

OSTK-1134

O STK-1133

OSSK-1286

OSSK-1287

OSSK-1288

OSTK-1069 OSTK-1285 OSSK-1068 OSTK-121 OSTK-1067 OSTK-

> OSSK-1096 OSTK-1095



STK - 820 STK - 819 SLK-642 ØS5K-641 DSSK-640 SK-639 -6000 HN R. KER KIM TO ACCOMPANY A GEOCHEMICAL REPORT ON A SOIL SURVEY, SALLUS CREEK AREA, LILLOOET MINING DIVISION, B.C. BY F.D. FORGERON PH.D., DATED February 3,7 Fol CANADIAN JOHNS-MANVILLE CO. LTD. MAP I LOCATION OF SOIL AND TALUS FINES SAMPLES SALLUS CREEK AREA LILLOOET MINING DIVISION B.C. GEOCHEMICAL INTERPRETATION BY F. D. FORGERON PH. D. SCALE |"= 1,000' FIG. 1 BONDAR-CLEGG & COMPANY LTD. VANCOUVER B.C.

LEGEND:

DATA PRESENTATION

| Cu(ppm) — 145 | R |
|-----------------|---|
| SAMPLE LOCATION | |
| ANOMALY 2 | 1 |
| CONTOUR | |
| ROAD | |
| STREAM | |

6 6 6 6 6 6 6 8 8 8 9

130

2000

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| 231RO ANOMALOUS CATEGORIES | | | | | | | | | | |
|----------------------------|----------------------|-----------------|-----------------------|--|--|--|--|--|--|--|
| SYMBOL | CATEGORY 3740 | Cu ppm SOILS | Cu TALUS ppm FINES | | | | | | | |
| 0 | P NEGATIVE PLANDIN | 0 - 74 | 0 - 130 | | | | | | | |
| (<u>t)</u> • (ii).• | POSSIBLY ANOMALOUS | 75 - 104 | 131 - 180 | | | | | | | |
| iai 🔹 oki | PROBABLY ANOMALOUS | 105-130 | 181 - 230 | | | | | | | |
| ere erea | DEFINITELY ANOMALOUS | 130 & OVER | 230 8 OVER | | | | | | | |

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Department of Mines and Petroleum Resources ASSESSMENT REPORT

NO. 2376 MAP #3





..... , 12 6 6 3 3 2 3 3 0 6000 2376 Dheri TO ACCOMPANY A GEOCHEMICAL REPORT ON A SOIL SURVEY SELLUS CREEK AREA LILLOOET MINING DIVISION, B.C. BY F.D. FORGERON PH.D. DATED : Forgeron 3, 1970 John JOHNS MANVILLE CO LTD. MAP 2 MOLYBDENUM CONTENT OF SOILS AND TALUS FINES SALLUS CREEK AREA LILLOOET MINING DIVISION B.C. GEOCHEMICAL INTERPRETATION BY F.D. FORGERON PH.D. FIG. 2 BONDAR-CLEGG & CO. LTD. VANCOUVER B.C.



| | | | | | | | | | | Z | 7 | z | Z | 7 | z | | |
|-------------------|----------|---|----------------|--------------|------------------|-------------------|-------------------|-------------|----------|------------|------------|--------------|--------------------|------------|----------|--------------------|-----------|
| 00 - | N | 4 N N N N N N N N N N N N N N N N N N N | 1 6 N | - 8N | NOI - | - 12 N | - 14 N | -16 N | - 18 N | - 201 | - 221 | - 24 | 26 | - 28 1 | - 30 | | |
| ن | Ĺ | <u>ے</u> د | <u> </u> | L | 1 | _ | L | _ | 344 | | _ | - | - | - | - | | |
| | | | 4 0 30 | 40.28 | 6.0 30 | | | | | | , | 1 | | | | | |
| 3 0 52 | 20 34 | 30 22 | 40.50 | 40 20 | 0 50 | 6 O 33 | 20 27 | 6033 | 5 0 35 | 4 0 41 | 8 0 58 | 7063 | 40 48 | 7 0 90 | | | |
| 4 0 85 | 4 0 32 | 4 0 28 | 4027 | 4 0 28 | 4 0 40 | 4 0 22 | 4 () 30 | 4 0 28 | 7.0 55 | - 201 0 6- | 3047 | 8039 | 6029 | 4 0 37 | 40 33 | | |
| 4 0 94 | 30 60 | 4 0 41 | 3 0 31 | 3027 | 4 0 39 | 4 0 2 4 | 5026 | 6036 | 10 0 125 | 8 0 109 | 100 129 | 4063 | 8 0 50 | 4 O 28 | 3 0 21 | | |
| 40 47 | 11 0 110 | 4044 | 4043 | 3 0 37 | 6 0 50 | 4 () 34 | 6 0 42 | 110 125 | 14 0 143 | 8 O 114 | 14 0 123 | 160 40 | 4 0 31 | 30 16 | 3 0 22 | | |
| 7 0 160 | eone 1 | 3 0 37 | 3034 | 5043 | 7 0 39 | 4 0 45 | 5 0 35 | 120108 | 70 63 | 10 0 94 | 12 0 11 4 | 8 0 105 | 140 121 | -140 107 | -60 33 | | |
| 7 0 134 | 9 0 112 | 6 0 52 | 3 0 31 | 4 0 31 | 4 0 42 | 4 0 2 9 | 5030 | 5024 | 8 0 55 | 60 98 | 100 198 | 450 227 | 27 0 190 | 210 90 | 5 0 115 | | |
| 5 0 90 | 120 178 | 4 0 32 | 4 0 17 | 4 0 36 | 4 0 42 | 5 0 4 7 | 60 30 | 5020 | 240 143 | 50115 | 330 154 | 13 0 146 | 50 34 | 5033 | 3 0 23 | | |
| 7074 | 4 0/59 | 3020 | 4 0 24 | 4 0 30 | 6 0 33 | 60 25 | 23 0 35 | 14 0 74 | 210 94 | 4 0 74 | 12 0 187- | 20 59 | 30 27 | 3 0 58 | 2 0 49 | | |
| 12 0 101 | 10 94 | 4 0 30 | 3 O 28 | 2 0 31 | 12 0 30 | 11 0 35 | 10 0 27 | 8 0 30 | 2 0 66 | 9 0 153 | 4 0 105 | 1 0 16 | 6 ^O 148 | 2 0 18 | 2 0 20 | | |
| 10 O 112 | 4 0,60 | 4 0 36 | 6 O 26 | 4 0 38 | 230 35 | 10 0 33 | 4 0 70 | 5 0 35 | 6 O 58 | 6 0 58 | 3 0 63 | 30 15 | 2 0 33 | 2 0 20 | 2 0 110 | | |
| 12 0 2 46 | 15 9 226 | 80 36- | 60 43- | 80 36 | 4 0 34 - | - 6 0 35 - | _ 4 0 41 | 4 0 42 | 5 0 30 | - 4 0 22 | — 3 O 33 — | | 3 0 42 | | -1027 | | |
| 32 0 66 | 80 269 | 1 7 0 57 | 40 31 | 4 0 30 | 5 0 25 | 6 ^O 50 | 6 O 29 | 4 O 28 | 4 0 19 | 4042 | 2 0 28 | 3 O 39 | 3 0 35 | 2 0 18 | 3024 | | |
| 9 0 200 | 18 9672 | 4 0 47 | 7 0 43 | 4 0 34 | 7 0 31 | 4 0 17 | 6 O 53 | 4 O 23 | 5 O 25 | 2 0 22 | I O 35 | 4 0 31 | 4 0 31 | 4 0 64 | 3 O 36 | | |
| 17 0 34 | 30 60 | 4 O 39 | 5 O 27 | 4 0 32 | 4 0 27 | 5 O 39 | 4 O 25 | 2 0 36 | 4 0 20 | 4 0 44 | 3 O 28 | 3040 | 2 0 28 | 5 O 52 | 2 0 4 4 | | |
| 6 0 31 | 2 0 47 | 3027 | 3 0 27 | 0 | 4 O 30 | 2 0 21 | 3 0 29 | 3 0 22 | 2 0 25 | 6 O 95 | 4 O 35 | 2 0 25 | 3 () 91 | 2 0 80 | ND O 50 | | |
| 4 0 28 | 6 0 5 9 | 2 0 27 | 2 0 16 | 0 | 4 0 30 | 4 0 2 7 | 3026 | 4 0 30 | 3 0 33 | 4 0 42 | 3 0 40 | 4 0 117 | 2 0 1 1 1 | 2 0 55 | 4 0 49 | | |
| 2 9 2 0 | 3 0 36 | 4 0 28 | 2 0 22 | 6 O 22 | 4 O 19 | 6 O 55 | 3 () 25 | 3 () 30 | 40 28 | 8 0 69 | 4 0 90 | 3 0 86 | 4 0 90 | 2040 | 1022 | | |
| 2 2 2 0 | .0.00 | - 0 | 3022 | 3 0 34 | 4 0 55 | 2033 | 6 ₀ 72 | 5064 | 4 0 46 | 4 0 61 | 2 0 49 | 2 0 6 4 | 3 0 63 | 4 0 21 | 7 0 86 | i i | |
| 3 0 25 | 4 0 22 | 5 17 | .0.01 | | e 0 en - | 2.0.55 | 2 0 99 | 3 0 65 | a 0 ci | 40 39 | 2 0 160 | 2 0 40 | 3 0 30 | 2 0 25 | 3 0 40 | | |
| 5 0 55 | 0 15 | 2018 | 4021 | 4 0 30 | 0 52 | 2000 | . 0 | 3 0 05 | 4 9 66 | 4 0 47 | 4.0.34 | 2 0 39 | 30.25 | 2014 | 3 0 123 | ALCOREN | |
| 4 ⁰ 27 | 2 0 22 | 3 0 28 | 3 0 25 | 3 31 | 4 0 44 | 6 0 28 | 4 0 27 | 3 0 85 | 4 0 66 | 4 0 47 | 2 0 30 | 2 0 35 | 3 0 25 | 4 0 30 | 2 0 20 | JOINT R. KER | |
| 3024 | 4 0 35 | 3017 | 4 0 24 | 2 0 43 | 3 0 19 | 4 0 45 | 40 22 | 3 0 28 | 4 0 39 | 4022 | 20 30 | 3 0 20 | 5 0 25 | 4 0 30 | 2 0 30 | Columbu VGINUES | John K. 4 |
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