900376

1. We are in the process of refining Yukon-specific deposit models/lists. Do I need to enter **metal grades** or only tonnages? → Both

dep name | tonnage | grade metal % ?? | base metals are in % age

Results from simulator are in tonnes

2. In the **coder file**, the first column is labeled **Fss**. What does that mean?

↳ don't remember
perhaps has to be there

3. In the **model file**, are there grades or tonnages under the **metal columns**, and what units are being used?

grades possibly all in %

4. If estimators chose not to **estimate for 0 deposits**, leave cells blank , fill in 0, or remove columns?

check or min_code
· probably throws in 100

5. Does the .dat file (**coder file**) run through another program before Raw2Mark?

probably

↳ Raw 2 re formats it into format the simulator wants

6. Does **coder data** have to go into **Min_code** or can it be directly digitized in a **spreadsheet?**

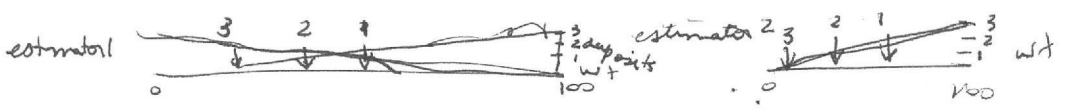
↳ not necessary

↳ comma delimited ok

7. Does Raw2Mark create a probability curve from the estimation?

8. In the **summary file**, what do the # of deposits at 50%, 10%, etc. confidence represent?

output of Raw 2 Mark



9. What is the **command file**, and where is it used? ascii

- tells simulator to start, etc.

→ call up command file, and it will give the simulator

10. Where can I **specify which tonnage curve** file names to use?

There is a model #
It may not be in the simulator

The simulator uses the .dat files

Data folder
.dat files

.dat
↳ model #

Phase1.exe makes batch files for each model file (.bat)

There is a program that prepares .txt files into .dat files

input: .def .dat files

it makes .bem

e.g. 78.bem

tonage	commodity

Mark 3b

Start up menu in blue screen

Sect 4.1.2 Digital deposit model preparation

Phase 1

enter model # : e.g 30
enter file name for output

never change the tntable.dat

Must have .def, .dat + tntable.dat in same directory as phase1.exe
- it makes the .bem
the output file describes the curve

Subject: Ranking
Date: Fri, 14 May 1999 01:04:14 -0400
From: Caleen E Kilby <ckilby@compuserve.com>
To: Al Doherty <aurum@yknet.yk.ca>

Al,

The steps in ranking are outlined below, they can be done either in access or excel, Access is a safer place to sort but it is your choice. ALL SORTING STEPS MUST BE DONE ON THE WHOLE FILE>!!!!

1) Put the data in the program - each record should have (tract id, area, resource value, est90%, est50%,est10%,est5% and est1%) values from previous work.

2) Add columns - two columns after each of resource value, and the 5 est columns. These should be named something like resource_index and resource_rank, est90_index and est90_rank etc.

3) Populate the index colums by placing the corresponding value divided by the tract area in them. Insert the formula in the cell and drag it down the whole file. Do this for the resource_index and the 5 est index columns.

4) now ready to start sorting and adding ranks. Start by sorting the whole file by the resource_index column. Once sorted put rank numbers in the resource_rank column. They should run from 1 to the number of tracts in the assessment area. 1 for the lowest rank and the largest number for the highest rank. If there was zero resources the rank number should be zero.

Once the ranks have been added to the resource_index column move to the est90_index column and sort the whole file by it. Then enter the rank numbers in the est90_rank column. Again remember if their is not est90 value then there should be a zero value in the rank column. Rankings may start at 21 with everything less than that having a zero value.

Continue doing this for the rest of the estimate columns.

5) add two columns at far right of the file, a SCORE column and a RANK column.

the score column should contain the weighted sum of all the rankings. OR
the following formula

=
resource_rank*1+est90_rank*.9+est50_rank*.5+est10_rank*.1+est5_rank*.05+est
1_rank*.01

Once all the score values are in place, sort the whole file by the SCORE
value then and the rank numbers in the rank column. This is then the final
ranking of the assessment area.

Good Luck.

RS 36 2 52 28

Anna.Fonseca

From: Caleen E Kilby [ckilby@compuserve.com]
Sent: Wednesday, February 02, 2000 2:50 PM
To: Anna Fonseca
Subject: mineral deposit simulator help

Hi Anna,

Thanks for your message yesterday. We would be happy to assist you in your mineral deposit simulation. Our rates would be the same as last year at $60 Cdn / hour. Sometimes I may be able to answer your questions, but most of the time it will be Ward. This email address is fine for queries, and our phone number is below. In addition Ward also has a Telus email address wkilby@telus.net. He checks that regularly as well. If I can't answer something I will pass it to Ward as soon as possible.

With regards to your question about the "indicated reserves" tonnages for Howards Pass - Ward says he does not know where that number came from. Lots of people worked on the deposit models and there may have been some "chicanery" creeping in from time to time. The models should be based on global resource, as you mentioned. I don't know who was involved in that model, but it may have been intentional. It is possible that the Howards Pass deposit has very large resource tonnages, and to facilitate the deposit curve and median tonnage estimate a smaller number was given to it and named "indicated reserves". The numbers are not likely real as the property has never moved to the mining stage. Most importantly, whatever is used....resources or reserves,etc., statistically they must all be the same or the result is meaningless.

Please say hello to Daniele for me (Caleen). I went into the Yukon room at Roundup to say hello, but must have missed her.

Talk to you soon,
Caleen

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Anna.Fonseca

From: Caleen E Kilby [ckilby@compuserve.com]
Sent: Thursday, February 24, 2000 11:30 PM
To: Anna.Fonseca
Subject: RE: mineral deposit simulator help

Anna,

The .def file tells phase1 which column each commodity is in.

You must make up the .def files yourself. This can be done easily with a text editor. Just follow the format of some existing .def files or edit an existing one. Best to put all the model files for an analysis in a completely different directory so things don't get mixed-up.

In the .def file the numbers below the model name and description are:
- the first number is the number of commodities to follow
- the numbers below this are the commodity numbers in column order (right to left) in the .dat file.
- to see what these number codes represent look in the Mark3b.bas program with a text editor. Early on in the program will be a list of commodities and associated numbers. These are the numbers the simulator is expecting to represent a commodity. If required you could change the commodity-number association and then recompile the source program.

It is also worth reading the Read_me.pgm file with a text editor. It gives a reasonable account of what is going on. (in the execute directory)

Hope that helps.

Ward

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Anna.Fonseca

From: Caleen E Kilby [ckilby@compuserve.com]
Sent: Thursday, March 02, 2000 8:09 PM
To: Anna.Fonseca
Subject: .def files

Anna,

Your correct (right). Even though I do confuse left and right (usually in driving tests). I meant left to right.

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Anna.Fonseca

From: Caleen E Kilby [ckilby@compuserve.com]
Sent: Friday, March 03, 2000 2:16 PM
To: Anna.Fonseca
Subject: Mineral Deposit Simulator - phase 1

Hi Anna,

1. Regarding the .def files: It looks like there need to be 10 values after the initial number. So it may be best to follow the same format and just use a text editor to modify an existing .def file to make a new one.

2. Regarding the models: You can make up your own list but will have to recompile the source code. Or.....just keep your own records of the model numbers and what they mean.

3. Regarding "minor podiform chromite": Singer & Page have a grade and tonnage model for Minor Podiform Chromite in Cox & Singer's Mineral Deposit Models Bulletin (1986). They list deposits & references. Do you have access to this? Or.....I can fax you the pages. Let me know..... (and a fax number).

bye,
Caleen

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Anna.Fonseca

From: Caleen E Kilby [ckilby@compuserve.com]
Sent: Wednesday, March 08, 2000 9:47 AM
To: Anna.Fonseca
Subject: phase 1 error messages

Hi Anna,

Ward left this morning for Toronto and was so busy getting his talks ready, it was hard to fit everything else in. But we discussed your two queries last night and I have some replies for you.

With regards to output file error messages:

This is likely due to too few deposits in the model and/or non-consistent relationships between commodities from one deposit to another. There is no real way to correct this if you are happy with the deposits in the model. It is telling you that the grade and tonnage relationships are very dissimilar between deposits. You must then question if the deposits belong to the same model.

Caleen

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Anna.Fonseca

From: Caleen E Kilby [ckilby@compuserve.com]
Sent: Wednesday, March 08, 2000 9:53 AM
To: Anna.Fonseca
Subject: RE: Raw2Mark

Anna:-

Each run must contain the same number of estimators: i.e.) all the estimates made by 3 people together, then all the estimates by 2 people in another run. If things like the weighting, etc. do not add up then there will be problems. Thats why we used the data entry program. The only real way we can sort this out is to see the data that was used for input. The problem is in the data.

Caleen

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Anna.Fonseca

From: Caleen E Kilby [ckilby@compuserve.com]
Sent: Friday, March 10, 2000 10:00 AM
To: Anna Fonseca
Subject: An answer

Hi Anna,

The data should be sorted by tract number.

bye,
Caleen

Caleen E. Kilby, P.Geo.
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Anna.Fonseca

From: Caleen E Kilby [ckilby@compuserve.com]
Sent: Friday, March 10, 2000 1:48 PM
To: Anna.Fonseca
Subject: Raw2Mark.exe

Hi Anna,

I have received both your emails. I think the problem IS likely with the file created by Excel. Ward has complained about Excel for years - everyone uses it instead of databases (although HE does it as well), and it's a spreadsheet application. I recall last year that we had to hand correct the files. I have sent both your emails on to Ward in Toronto. We don't want him to have too much fun on Friday night. I recall last year that a similar problem occurred and that it was the existence of commas at the END of each line....put there by excel. Try removing the trailing commas. Also, make sure all the numbers are real numbers and not in scientific notation.

If that doesn't work, perhaps Ward will recognize the problem.

bye,
Caleen

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Anna.Fonseca

From: Caleen E Kilby [ckilby@compuserve.com]
Sent: Thursday, March 16, 2000 11:45 AM
To: Anna.Fonseca
Subject: command file

Hi Anna,

In reply to your attached file with questions, ward sent the following comments. Please let me know if this answers your queries.

The sequence of numbers in the Raw2mrk command output file are the same as would be entered when running the simulator in the interactive mode. If you
try running it in interactive mode you will see all the available options, the command file is simply answering the questions in order.

So if you run Mark3b.exe and compare the values in the command file you will
see what is being requested and supplied. This way you could then go in with
a text editor and change the command file to make better headings etc.

Hope that helps.
Caleen

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