

Raw2Mark.bas
Modified for 5 estimators

900371

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'      Program to read Mineral Potential raw estimation values and
'      generate input batch file for the MARK3B simulator.  All estimates
'      for a tract and deposit type will be merged into one estimate by
'      applying the weighting factors supplied by the estimators.
'
'      The input to the program must be the comma delimited file produced
'      by the standard coding program.  The input must be sorted by tract
'      and deposit type.
INPUT "enter the number of estimators in this run"; estno
INPUT "enter filename of input data"; f$
INPUT "enter filename of the output command file"; f1$
INPUT "enter filename of the summary file"; f2$
      OPEN f$ FOR INPUT AS #1
      OPEN f1$ FOR OUTPUT AS #2
      OPEN f2$ FOR APPEND AS #3
DIM inner$(5, 19), valu(5, 10), con(5, 10)
      per(1) = 90: per(2) = 50: per(3) = 10: per(4) = 5: per(5) = 1
'
' read records for tract-deposit grouping
10  REM
      FOR l = 1 TO estno
      IF EOF(l) THEN 200
      FOR j = 1 TO 19
      INPUT #1, inner$(l, j)
      NEXT j
      INPUT #1, ester(l)
      FOR k = 1 TO ester(l)
      INPUT #1, valu(l, k), con(l, k)
      NEXT k
REM      INPUT #1, junk$
      NEXT l
' add up weights
      FOR l = 1 TO estno
      summer(l) = 50
      FOR j = 1 TO estno
      IF inner$(j, 11) = inner$(l, 6) THEN summer(l) = summer(l) +
VAL(inner$(j, 10))
      IF inner$(j, 13) = inner$(l, 6) THEN summer(l) = summer(l) +
VAL(inner$(j, 12))
      IF inner$(j, 15) = inner$(l, 6) THEN summer(l) = summer(l) +
VAL(inner$(j, 14))
      IF inner$(j, 17) = inner$(l, 6) THEN summer(l) = summer(l) +
VAL(inner$(j, 16))
      NEXT j
      NEXT l
' calculate weights
      FOR l = 1 TO estno
      summer(l) = summer(l) / (estno * 150)
      NEXT l
' test that weights add to the correct number if not error message
      wtsum = 0
      FOR l = 1 TO estno
      wtsum = wtsum + summer(l)
      NEXT l
      IF wtsum < .95 OR wtsum > 1.05 THEN PRINT oldtract$, inner$(1, 5),
"weights wrong": GOTO 300
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'calculate zero value
  zero = 0
  FOR l = 1 TO estno
    zero = zero + summer(l) * con(l, 1)
  NEXT l
  zero = 1 - zero / 100
'calculate all then % values for each estimate
  FOR l = 1 TO estno: FOR j = 1 TO 5: mark(l, j) = 0: NEXT j: NEXT l
  FOR l = 1 TO 5: marker(l) = 0: NEXT l
  FOR l = 1 TO estno
    FOR j = 1 TO 5
      IF per(j) >= con(l, 1) THEN mark(l, j) = 0: GOTO 50
      IF per(j) <= con(l, ester(l)) THEN mark(l, j) = valu(l, ester(l)):
GOTO 50
      FOR k = 2 TO ester(l)
        IF per(j) < con(l, k) THEN 45
        mark(l, j) = valu(l, k) - (valu(l, k) - valu(l, k - 1)) * (per(j) -
con(l, k)) / (con(l, k - 1) - con(l, k)): GOTO 50
45      NEXT k
50      NEXT j
      FOR j = 1 TO 5
        mark(l, j) = mark(l, j) * summer(l)
      NEXT j
    NEXT l
    FOR l = 1 TO estno
      FOR j = 1 TO 5
        marker(j) = marker(j) + mark(l, j)
      NEXT j
    NEXT l
' test if minimum entry point will round to less than 1 deposit
  IF marker(5) < .5 THEN 124
'if new tract do right things
  IF inner$(1, 3) = oldtract$ THEN 31
'write new tract info to batch
  PRINT #2, "1"
  PRINT #2, inner$(1, 3)
  PRINT #2, "4999"
  PRINT #2, "YUKON Mineral Potential"
  PRINT #2, "March 2000"
  oldtract$ = inner$(1, 3)
' print values for this model and tract to batch file
31  PRINT #2, "3"
  PRINT #2, inner$(1, 4)
  PRINT #2, "5"
  PRINT #2, marker(1); ", "; marker(2); ", "; marker(3); ", "; marker(4);
", "; marker(5)
  PRINT #2, zero
  IF randy = 1 THEN 123
  PRINT #2, "123456": randy = 1
123  PRINT #2, "5"
124  PRINT #3, oldtract$; ", "; inner$(1, 5); ", "; marker(1); ", ";
marker(2); ", "; marker(3); ", "; marker(4); ", "; marker(5)
GOTO 10
200  PRINT #2, "9"
300  CLOSE
      END

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SUB reader

END SUB