

**POLECAT
BRANCH**

POLECAT BRANCH

FM

SNUMB = 2598T, ACTIVITY # = 01, REPGRT CODE = 52, RECORD COUNT = 000183

T1 LUMBERTON NC POLECAT BRANCH MEASURE WIDTHS
 T2 FLOOD INSURANCE STUDY TO DELINEATE
 T3 10-YEAR Q POLECAT BRANCH FLOOD AREAS

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FQ
 0. 2. 0. 0. 0. 0. 0. 0. 121,540 0.

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
 1,000 0. -1,000 5,000 500,000 0. 0. 0. 0. 0.

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

38,000 1,000 50,000 42,000 33,000 58,000 39,000 0. 38,000 1,000

50,000 51,000 40,000 41,000 25,000 0. 38,000 1,000 43,000 13,000

55,000 14,000 26,000 15,000 56,000 8,000 0. 38,000 1,000 50,000

7,000 16,000 17,000 18,000 4,000 53,000 54,000 34,000 0. 0.

J5 LPRNT NUMSEC *****REQUESTED SECTION NUMBERS*****

-10,000 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.

NC 0,070 0,070 0,050 0,100 0,300 0. 0. 0. 0. 0.
 QT 5,000 490,000 650,000 720,000 1050,000 720,000 0. 0. 0. 0.
 ET 0. 0. 0. 0. 0. 8,400 0. 0. 0. 0.

X1 570,000 13,000 393,000 407,000 0. 0. 0. 0. 0. 0.
 X3 10,000 0. 0. 0. 0. 0. 0. 123,300 123,300 0.
 GR 130,000 0. 128,000 235,000 126,000 310,000 124,000 383,000 122,300 393,000
 GR 118,200 396,000 117,600 400,000 118,100 404,000 121,800 407,000 123,500 450,000
 GR 124,000 500,000 128,000 1680,000 130,000 1745,000 0. 0. 0. 0.
 SB 0. 1,500 3,000 170,000 10,000 0. 38,000 0,800 0. 0.

X1 620,000 13,000 843,000 857,000 50,000 50,000 50,000 0. 0. 0.
 X2 0. 0. 1,000 122,000 122,900 0. 0. 0. 0. 0.
 X3 10,000 0. 0. 0. 0. 0. 0. 123,300 123,300 0.
 GR 130,000 500,000 128,000 680,000 126,000 775,000 125,100 800,000 122,800 843,000
 GR 118,500 846,000 117,900 850,000 118,500 854,000 121,500 857,000 124,100 900,000
 GR 126,000 930,000 128,000 1105,000 130,000 1165,000 0. 0. 0. 0.

X1 1350,000 14,000 444,000 460,000 740,000 740,000 740,000 0. 0. 0.
 X3 10,000 0. 0. 0. 0. 0. 0. 125,900 125,900 0.
 GR 130,000 150,000 127,000 280,000 125,000 395,000 124,700 400,000 124,200 444,000
 GR 118,700 447,000 118,200 450,000 118,800 453,000 125,000 460,000 125,800 500,000
 GR 125,000 580,000 127,000 765,000 129,000 425,000 131,000 1100,000 0. 0.
 SB 0. 1,500 3,000 200,000 5,000 0. 60,000 1,100 0. 0.

X1 1400,000 0. 0. 0. 40,000 40,000 40,000 0. 0,400 0.
 X2 0. 0. 1,000 124,900 125,500 0. 0. 0. 0. 0.
 X3 10,000 0. 0. 0. 0. 0. 0. 125,900 125,900 0.

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|----|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| X1 | 2380,000 | 14,000 | 443,000 | 458,000 | 980,000 | 980,000 | 980,000 | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 127,000 | 127,000 | 0. |
| GR | 130,500 | 0. | 130,000 | 150,000 | 128,000 | 305,000 | 127,400 | 400,000 | 126,200 | 443,000 |
| GR | 121,800 | 446,000 | 121,400 | 450,000 | 122,000 | 454,000 | 126,200 | 458,000 | 127,000 | 500,000 |
| GR | 128,000 | 510,000 | 128,000 | 750,000 | 130,000 | 760,000 | 130,200 | 825,000 | 0. | 0. |
| SB | 0. | 1,500 | 3,000 | 200,000 | 2,400 | 0. | 7,100 | 0. | 0. | 0. |

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|----|----------|---------|---------|---------|---------|---------|--------|---------|---------|----|
| X1 | 2420,000 | 0. | 0. | 0. | 40,000 | 40,000 | 40,000 | 0. | 0. | 0. |
| X2 | 0. | 0. | 1,000 | 124,100 | 126,900 | 0. | 0. | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 127,000 | 127,000 | 0. |
| QT | 5,000 | 440,000 | 580,000 | 640,000 | 940,000 | 640,000 | 0. | 0. | 0. | 0. |

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|----|----------|----------|---------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 2960,000 | 18,000 | 492,000 | 507,000 | 540,000 | 540,000 | 540,000 | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 128,500 | 128,500 | 0. |
| GR | 136,000 | 0. | 132,000 | 210,000 | 129,400 | 400,000 | 128,600 | 450,000 | 127,400 | 492,000 |
| GR | 124,000 | 496,000 | 122,200 | 500,000 | 123,500 | 504,000 | 125,600 | 507,000 | 126,700 | 550,000 |
| GR | 125,800 | 600,000 | 128,000 | 785,000 | 130,000 | 940,000 | 130,000 | 1120,000 | 128,800 | 1420,000 |
| UR | 130,000 | 1680,000 | 132,000 | 1920,000 | 133,000 | 2060,000 | 0. | 0. | 0. | 0. |
| SB | 0. | 1,500 | 3,000 | 1200,000 | 7,000 | 0. | 21,000 | 0. | 0. | 0. |
| IC | 0.090 | 0.070 | 0.050 | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

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|----|----------|----------|---------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 3040,000 | 18,000 | 493,000 | 507,000 | 80,000 | 80,000 | 80,000 | 0. | 0. | 0. |
| X2 | 0. | 0. | 1,000 | 124,900 | 128,000 | 0. | 0. | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 128,500 | 128,500 | 0. |
| GR | 136,000 | 0. | 132,000 | 245,000 | 130,000 | 400,000 | 128,000 | 445,000 | 125,600 | 493,000 |
| GR | 123,600 | 496,000 | 122,800 | 500,000 | 123,600 | 504,000 | 124,500 | 507,000 | 126,700 | 550,000 |
| GR | 126,300 | 600,000 | 130,000 | 845,000 | 130,200 | 985,000 | 130,000 | 1120,000 | 129,000 | 1250,000 |
| GR | 130,000 | 1710,000 | 132,000 | 1920,000 | 133,000 | 2060,000 | 0. | 0. | 0. | 0. |

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|----|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| X1 | 3700,000 | 15,000 | 442,000 | 457,000 | 660,000 | 660,000 | 660,000 | 0. | 0. | 0. |
| GR | 133,000 | 0. | 132,000 | 140,000 | 130,000 | 214,000 | 128,000 | 390,000 | 127,400 | 400,000 |
| GR | 126,600 | 442,000 | 124,600 | 445,000 | 125,100 | 450,000 | 124,700 | 455,000 | 127,900 | 457,000 |
| GR | 125,800 | 500,000 | 126,000 | 610,000 | 130,000 | 625,000 | 132,000 | 785,000 | 134,000 | 890,000 |

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|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 4200,000 | 12,000 | 1390,000 | 1413,000 | 500,000 | 500,000 | 500,000 | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,000 | 133,000 | 0. |
| GR | 135,300 | 0. | 135,000 | 50,000 | 133,000 | 105,000 | 130,000 | 1320,000 | 129,800 | 1350,000 |
| GR | 130,000 | 1390,000 | 124,600 | 1400,000 | 129,100 | 1413,000 | 129,900 | 1450,000 | 129,700 | 1500,000 |
| GR | 133,000 | 1530,000 | 135,000 | 1775,000 | 0. | 0. | 0. | 0. | 0. | 0. |
| SB | 0. | 1,500 | 3,000 | 1100,000 | 4,200 | 0. | 22,300 | 0. | 124,690 | 123,450 |

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|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 4370,000 | 11,000 | 1391,000 | 1411,000 | 170,000 | 170,000 | 170,000 | 0. | 0. | 0. |
| X2 | 0. | 0. | 1,000 | 128,800 | 133,600 | 0. | 0. | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,600 | 133,600 | 0. |
| GR | 135,000 | 130,000 | 134,000 | 300,000 | 132,000 | 750,000 | 130,000 | 1200,000 | 130,000 | 1300,000 |
| GR | 130,300 | 1391,000 | 125,000 | 1400,000 | 131,400 | 1411,000 | 132,000 | 1560,000 | 134,000 | 2000,000 |
| GR | 134,300 | 2150,000 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

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|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 4940,000 | 16,000 | 1145,000 | 1150,000 | 570,000 | 570,000 | 570,000 | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,800 | 133,800 | 0. |
| GR | 135,200 | 0. | 135,000 | 140,000 | 133,000 | 570,000 | 133,000 | 600,000 | 133,600 | 730,000 |
| GR | 133,000 | 910,000 | 130,600 | 1100,000 | 130,700 | 1145,000 | 125,700 | 1150,000 | 131,300 | 1162,000 |
| GR | 132,800 | 1176,000 | 133,100 | 1186,000 | 133,000 | 1196,000 | 132,200 | 1200,000 | 133,000 | 1380,000 |
| GR | 135,800 | 1550,000 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| SB | 0. | 1,500 | 3,000 | 800,000 | 2,750 | 0. | 9,600 | 0. | 124,820 | 125,640 |

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|----|----------|--------|----------|----------|--------|--------|--------|----|----|----|
| X1 | 5020,000 | 12,000 | 1145,000 | 1150,000 | 80,000 | 80,000 | 80,000 | 0. | 0. | 0. |
|----|----------|--------|----------|----------|--------|--------|--------|----|----|----|

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|----|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|
| X2 | 0. | 0. | 1,000 | 129,100 | 133,300 | 0. | 0. | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,300 | 133,300 | 0. |
| GR | 135,000 | 0. | 133,000 | 500,000 | 133,000 | 830,000 | 131,100 | 1100,000 | 131,200 | 1145,000 |
| GR | 126,200 | 1150,000 | 131,400 | 1162,000 | 131,400 | 1176,000 | 132,700 | 1186,000 | 132,200 | 1200,000 |
| GR | 133,000 | 1350,000 | 133,300 | 1550,000 | 0. | 0. | 0. | 0. | 0. | 0. |

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|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 5700,000 | 12,000 | 1089,000 | 1111,000 | 680,000 | 680,000 | 680,000 | 0. | 0. | 0. |
| GR | 135,000 | 0. | 134,300 | 620,000 | 132,800 | 1000,000 | 133,400 | 1089,000 | 127,300 | 1100,000 |
| GR | 133,700 | 1111,000 | 134,200 | 1123,000 | 133,600 | 1143,000 | 132,800 | 1150,000 | 134,400 | 1620,000 |
| GR | 134,000 | 2550,000 | 138,000 | 2550,000 | 0. | 0. | 0. | 0. | 0. | 0. |
| EJ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

T1 LUMBERTON NC POLECAT BRANCH MEASURE WIDTHS
T2 FLOOD INSURANCE STUDY TO DELINEATE
T3 50-YEAR Q POLECAT BRANCH FLOOD AREAS

| | | | | | | | | | | |
|----|--------|-----|------|------|------|--------|-------|----|---------|----|
| J1 | ICHECK | INQ | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FD |
| | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 0. | 124,540 | 0. |

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|----|-------|-------|--------|-------|---------|----|-------|-----|-------|--------|
| J2 | NPROF | IPLOT | PRFVS | XSECV | XSECH | FN | ALLDC | IBW | CHNIM | ITRACE |
| | 2,000 | 0. | -1,000 | 5,000 | 500,000 | 0. | 0. | 0. | 0. | 0. |

T1 LUMBERTON NC POLECAT BRANCH MEASURE WIDTHS
T2 FLOOD INSURANCE STUDY TO DELINEATE
T3 100-YEAR Q POLECAT BRANCH FLOOD AREAS

| | | | | | | | | | | |
|----|--------|-----|------|------|------|--------|-------|----|---------|----|
| J1 | ICHECK | INQ | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FD |
| | 0. | 4. | 0. | 0. | 0. | 0. | 0. | 0. | 124,790 | 0. |

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|----|-------|-------|--------|-------|---------|----|-------|-----|-------|--------|
| J2 | NPROF | IPLOT | PRFVS | XSECV | XSECH | FN | ALLDC | IBW | CHNIM | ITRACE |
| | 3,000 | 0. | -1,000 | 5,000 | 500,000 | 0. | 0. | 0. | 0. | 0. |

T1 LUMBERTON NC POLECAT BRANCH MEASURE WIDTHS
T2 FLOOD INSURANCE STUDY TO DELINEATE
T3 500-YEAR Q FLOOD POLECAT BRANCH FLOOD AREAS

| | | | | | | | | | | |
|----|--------|-----|------|------|------|--------|-------|----|---------|----|
| J1 | ICHECK | INQ | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FD |
| | 0. | 5. | 0. | 0. | 0. | 0. | 0. | 0. | 126,760 | 0. |

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|----|--------|-------|--------|-------|---------|----|-------|-----|-------|--------|
| J2 | NPROF | IPLOT | PRFVS | XSECV | XSECH | FN | ALLDC | IBW | CHNIM | ITRACE |
| | 15,000 | 0. | -1,000 | 5,000 | 500,000 | 0. | 0. | 0. | 0. | 0. |

HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977

ERROR CORR = 01

MODIFICATION = 50,51,52

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

10-YEAR Q POLECAT
SUMMARY PRINTOUT

| SECNO | CWSEC | DIFWSP | ELMIN | K*CRSL | KRATIO | XLCH |
|-----------|--------|--------|--------|--------|--------|--------|
| * 570,000 | 122.18 | 0. | 117.60 | 0. | 0. | 0. |
| 570,000 | 124.54 | 0. | 117.60 | 0. | 0. | 0. |
| 570,000 | 124.79 | 0. | 117.60 | 0. | 0. | 0. |
| 570,000 | 126.76 | 1.97 | 117.60 | 0. | 0. | 0. |
| * 620,000 | 123.35 | 0. | 117.90 | 6.00 | 1.74 | 50.00 |
| 620,000 | 124.30 | 0. | 117.90 | 6.00 | 0.73 | 50.00 |
| 620,000 | 124.50 | 0. | 117.90 | 6.00 | 0.67 | 50.00 |
| 620,000 | 126.78 | 2.28 | 117.90 | 6.00 | 0.44 | 50.00 |
| 1360,000 | 126.24 | 0. | 118.20 | 0.41 | 2.95 | 740.00 |
| 1360,000 | 126.59 | 0. | 118.20 | 0.41 | 2.39 | 740.00 |
| 1360,000 | 126.74 | 0. | 118.20 | 0.41 | 2.39 | 740.00 |
| 1360,000 | 127.58 | 0.83 | 118.20 | 0.41 | 1.44 | 740.00 |
| 1400,000 | 126.18 | 0. | 118.60 | 10.00 | 0.66 | 40.00 |
| 1400,000 | 126.58 | 0. | 118.60 | 10.00 | 0.69 | 40.00 |
| 1400,000 | 126.74 | 0. | 118.60 | 10.00 | 0.71 | 40.00 |
| 1400,000 | 127.67 | 0.92 | 118.60 | 10.00 | 0.79 | 40.00 |
| 2380,000 | 128.34 | 0. | 121.40 | 2.86 | 1.43 | 980.00 |
| 2380,000 | 128.59 | 0. | 121.40 | 2.86 | 1.30 | 980.00 |
| 2380,000 | 128.68 | 0. | 121.40 | 2.86 | 1.23 | 980.00 |
| 2380,000 | 129.01 | 0.33 | 121.40 | 2.86 | 0.77 | 980.00 |
| 2420,000 | 128.35 | 0. | 121.40 | 0. | 1.02 | 40.00 |
| 2420,000 | 128.62 | 0. | 121.40 | 0. | 1.03 | 40.00 |
| 2420,000 | 128.73 | 0. | 121.40 | 0. | 1.05 | 40.00 |
| 2420,000 | 129.10 | 0.37 | 121.40 | 0. | 1.09 | 40.00 |
| 2960,000 | 128.73 | 0. | 122.20 | 1.48 | 2.03 | 540.00 |
| 2960,000 | 129.02 | 0. | 122.20 | 1.48 | 1.89 | 540.00 |
| 2960,000 | 129.14 | 0. | 122.20 | 1.48 | 1.84 | 540.00 |
| 2960,000 | 129.56 | 0.42 | 122.20 | 1.48 | 1.76 | 540.00 |
| 3040,000 | 128.74 | 0. | 122.80 | 7.50 | 0.90 | 80.00 |
| 3040,000 | 129.03 | 0. | 122.80 | 7.50 | 0.88 | 80.00 |
| 3040,000 | 129.14 | 0. | 122.80 | 7.50 | 0.87 | 80.00 |
| 3040,000 | 129.56 | 0.42 | 122.80 | 7.50 | 0.84 | 80.00 |

| BECNO | CWBEL | DIFWSP | ELMIN | K*CHSL | KRATIO | XLCH |
|------------|--------|--------|--------|--------|--------|--------|
| 3700,000 | 129,08 | 0. | 124,60 | 2,73 | 0,64 | 660,00 |
| 3700,000 | 129,41 | 0. | 124,60 | 2,73 | 0,69 | 660,00 |
| 3700,000 | 129,53 | 0. | 124,60 | 2,73 | 0,71 | 660,00 |
| 3700,000 | 130,03 | 0,50 | 124,60 | 2,73 | 0,77 | 660,00 |
| 4200,000 | 129,69 | 0. | 124,60 | 0. | 0,22 | 500,00 |
| 4200,000 | 129,75 | 0. | 124,60 | 0. | 0,17 | 500,00 |
| * 4200,000 | 129,90 | 0. | 124,60 | 0. | 0,17 | 500,00 |
| * 4200,000 | 130,77 | 0,87 | 124,60 | 0. | 0,19 | 500,00 |
| 4370,000 | 133,73 | 0. | 125,00 | 2,35 | 29,57 | 170,00 |
| 4370,000 | 133,80 | 0. | 125,00 | 2,35 | 30,19 | 170,00 |
| 4370,000 | 133,82 | 0. | 125,00 | 2,35 | 28,22 | 170,00 |
| 4370,000 | 133,95 | 0,13 | 125,00 | 2,35 | 19,96 | 170,00 |
| * 4940,000 | 133,92 | 0. | 125,70 | 1,23 | 0,34 | 570,00 |
| 4940,000 | 133,83 | 0. | 125,70 | 1,23 | 0,30 | 570,00 |
| 4940,000 | 133,87 | 0. | 125,70 | 1,23 | 0,31 | 570,00 |
| 4940,000 | 134,03 | 0,16 | 125,70 | 1,23 | 0,33 | 570,00 |
| 5020,000 | 133,95 | 0. | 126,20 | 6,25 | 1,17 | 80,00 |
| 5020,000 | 133,87 | 0. | 126,20 | 6,25 | 1,18 | 80,00 |
| 5020,000 | 133,91 | 0. | 126,20 | 6,25 | 1,19 | 80,00 |
| 5020,000 | 134,09 | 0,17 | 126,20 | 6,25 | 1,22 | 80,00 |
| 5700,000 | 134,11 | 0. | 127,30 | 1,62 | 0,35 | 680,00 |
| 5700,000 | 134,19 | 0. | 127,30 | 1,62 | 0,42 | 680,00 |
| 5700,000 | 134,26 | 0. | 127,30 | 1,62 | 0,45 | 680,00 |
| 5700,000 | 134,52 | 0,27 | 127,30 | 1,62 | 0,59 | 680,00 |

10-YEAR Q POLECAT
SUMMARY PRINTOUT

| | SECND | CHSEL | DIFWSP | DIFW6X | ELTRD | ELLC | AREA |
|---|----------|--------|--------|--------|--------|--------|---------|
| * | 570,000 | 122.18 | 0. | 0. | 0. | 0. | 46.97 |
| | 570,000 | 124.54 | 0. | 0. | 0. | 0. | 262.96 |
| | 570,000 | 124.79 | 0. | 0. | 0. | 0. | 347.32 |
| | 570,000 | 126.76 | 1.97 | 0. | 0. | 0. | 1737.28 |
| * | 620,000 | 123.35 | 0. | 1.16 | 122.90 | 122.00 | 90.31 |
| | 620,000 | 124.30 | 0. | -0.24 | 122.90 | 122.00 | 158.47 |
| | 620,000 | 124.50 | 0. | -0.29 | 122.90 | 122.00 | 176.87 |
| | 620,000 | 126.78 | 2.28 | 0.02 | 122.90 | 122.00 | 522.60 |
| | 1360,000 | 126.24 | 0. | 2.89 | 0. | 0. | 394.25 |
| | 1360,000 | 126.59 | 0. | 2.30 | 0. | 0. | 536.76 |
| | 1360,000 | 126.74 | 0. | 2.24 | 0. | 0. | 598.01 |
| | 1360,000 | 127.58 | 0.83 | 0.80 | 0. | 0. | 1017.48 |
| | 1400,000 | 126.18 | 0. | -0.06 | 125.50 | 124.90 | 240.90 |
| | 1400,000 | 126.58 | 0. | -0.02 | 125.50 | 124.90 | 372.09 |
| | 1400,000 | 126.74 | 0. | 0.00 | 125.50 | 124.90 | 432.25 |
| | 1400,000 | 127.67 | 0.92 | 0.09 | 125.50 | 124.90 | 851.50 |
| | 2380,000 | 128.34 | 0. | 2.16 | 0. | 0. | 374.43 |
| | 2380,000 | 128.59 | 0. | 2.01 | 0. | 0. | 500.26 |
| | 2380,000 | 128.68 | 0. | 1.94 | 0. | 0. | 545.05 |
| | 2380,000 | 129.01 | 0.33 | 1.35 | 0. | 0. | 711.39 |
| | 2420,000 | 128.35 | 0. | 0.01 | 126.90 | 124.10 | 381.76 |
| | 2420,000 | 128.62 | 0. | 0.03 | 126.90 | 124.10 | 514.64 |
| | 2420,000 | 128.73 | 0. | 0.05 | 126.90 | 124.10 | 568.70 |
| | 2420,000 | 129.10 | 0.37 | 0.09 | 126.90 | 124.10 | 762.66 |
| | 2960,000 | 128.73 | 0. | 0.39 | 0. | 0. | 693.85 |
| | 2960,000 | 129.02 | 0. | 0.40 | 0. | 0. | 827.72 |
| | 2960,000 | 129.14 | 0. | 0.41 | 0. | 0. | 892.23 |
| | 2960,000 | 129.56 | 0.42 | 0.45 | 0. | 0. | 1200.14 |
| | 3040,000 | 128.74 | 0. | 0.00 | 128.00 | 124.90 | 615.34 |
| | 3040,000 | 129.03 | 0. | 0.00 | 128.00 | 124.90 | 716.78 |
| | 3040,000 | 129.14 | 0. | 0.00 | 128.00 | 124.90 | 763.76 |
| | 3040,000 | 129.56 | 0.42 | 0.00 | 128.00 | 124.90 | 1008.86 |
| | 3700,000 | 129.08 | 0. | 0.34 | 0. | 0. | 473.36 |
| | 3700,000 | 129.41 | 0. | 0.38 | 0. | 0. | 585.25 |
| | 3700,000 | 129.53 | 0. | 0.40 | 0. | 0. | 630.62 |
| | 3700,000 | 130.03 | 0.50 | 0.47 | 0. | 0. | 824.84 |
| | 4200,000 | 129.69 | 0. | 0.62 | 0. | 0. | 60.97 |
| | 4200,000 | 129.75 | 0. | 0.34 | 0. | 0. | 62.00 |
| * | 4200,000 | 129.90 | 0. | 0.37 | 0. | 0. | 65.65 |
| * | 4200,000 | 130.77 | 0.87 | 0.74 | 0. | 0. | 85.65 |
| | 4370,000 | 133.73 | 0. | 4.03 | 133.60 | 128.80 | 3005.13 |
| | 4370,000 | 133.80 | 0. | 4.05 | 133.60 | 128.80 | 3116.38 |
| | 4370,000 | 133.82 | 0. | 3.92 | 133.60 | 128.80 | 3162.53 |
| | 4370,000 | 133.95 | 0.13 | 3.18 | 133.60 | 128.80 | 3371.69 |

| SECNO | CWSEL | DIFWSP | DIFWBX | ELTRD | ELLC | AREA |
|----------|--------|--------|--------|--------|--------|---------|
| 4940,000 | 133.92 | 0. | 0.19 | 0. | 0. | 1257.47 |
| 4940,000 | 133.83 | 0. | 0.04 | 0. | 0. | 1168.99 |
| 4940,000 | 133.87 | 0. | 0.05 | 0. | 0. | 1204.87 |
| 4940,000 | 134.03 | 0.16 | 0.08 | 0. | 0. | 1375.14 |
| 5020,000 | 133.95 | 0. | 0.03 | 133.30 | 129.10 | 1590.73 |
| 5020,000 | 133.87 | 0. | 0.04 | 133.30 | 129.10 | 1499.57 |
| 5020,000 | 133.91 | 0. | 0.04 | 133.30 | 129.10 | 1548.35 |
| 5020,000 | 134.09 | 0.17 | 0.06 | 133.30 | 129.10 | 1777.39 |
| 5700,000 | 134.11 | 0. | 0.17 | 0. | 0. | 672.78 |
| 5700,000 | 134.19 | 0. | 0.31 | 0. | 0. | 766.57 |
| 5700,000 | 134.26 | 0. | 0.34 | 0. | 0. | 882.63 |
| 5700,000 | 134.52 | 0.27 | 0.44 | 0. | 0. | 1371.64 |

INTECH SA

10-YEAR Q POLECAT
SUMMARY PRINTOUT

| SECNO | QWSEL | Q | QLOB | VLOB | QCH | VCH | QROB | VROB | DEPTH |
|------------|--------|---------|--------|------|--------|-------|--------|------|-------|
| * 570,000 | 122.18 | 490,00 | 0. | 0. | 490,00 | 10.43 | 0. | 0. | 4.58 |
| 570,000 | 124.54 | 650,00 | 25.25 | 1.31 | 395.49 | 4.95 | 229.26 | 1.40 | 6.94 |
| 570,000 | 124.79 | 720,00 | 33.89 | 1.22 | 384.48 | 4.61 | 301.64 | 1.28 | 7.19 |
| 570,000 | 126.76 | 1050,00 | 98.25 | 0.56 | 185.97 | 1.67 | 765.78 | 0.53 | 9.16 |
| * 620,000 | 123.35 | 490,00 | 2.69 | 0.96 | 426.34 | 7.19 | 60.98 | 2.16 | 5.45 |
| 620,000 | 124.30 | 650,00 | 30.98 | 1.47 | 468.10 | 6.44 | 150.92 | 2.33 | 6.40 |
| 620,000 | 124.50 | 720,00 | 42.79 | 1.58 | 492.74 | 6.53 | 184.47 | 2.48 | 6.60 |
| 620,000 | 126.78 | 1050,00 | 229.71 | 1.38 | 404.10 | 3.77 | 416.19 | 1.67 | 8.88 |
| 1360,000 | 126.24 | 490,00 | 121.83 | 0.94 | 258.07 | 2.82 | 110.10 | 0.64 | 8.04 |
| 1360,000 | 126.59 | 650,00 | 175.17 | 0.99 | 276.41 | 2.85 | 108.42 | 0.76 | 8.39 |
| 1360,000 | 126.74 | 720,00 | 198.52 | 1.01 | 282.79 | 2.85 | 238.69 | 0.79 | 8.54 |
| 1360,000 | 127.58 | 1050,00 | 317.63 | 0.94 | 264.21 | 2.34 | 468.16 | 0.83 | 9.38 |
| 1400,000 | 126.18 | 490,00 | 100.70 | 1.24 | 341.66 | 4.06 | 47.64 | 0.63 | 7.58 |
| 1400,000 | 126.58 | 650,00 | 158.73 | 1.29 | 355.38 | 3.93 | 135.90 | 0.86 | 7.98 |
| 1400,000 | 126.74 | 720,00 | 183.85 | 1.29 | 356.61 | 3.83 | 179.53 | 0.91 | 8.14 |
| 1400,000 | 127.67 | 1050,00 | 309.19 | 1.09 | 308.84 | 2.87 | 431.97 | 0.94 | 9.07 |
| 2380,000 | 128.34 | 490,00 | 109.64 | 0.84 | 256.31 | 3.07 | 124.05 | 0.77 | 6.94 |
| 2380,000 | 128.59 | 650,00 | 165.57 | 0.94 | 280.16 | 3.21 | 204.27 | 0.86 | 7.19 |
| 2380,000 | 128.68 | 720,00 | 189.65 | 0.99 | 290.95 | 3.28 | 239.40 | 0.91 | 7.26 |
| 2380,000 | 129.01 | 1050,00 | 303.35 | 1.18 | 342.08 | 3.66 | 404.56 | 1.12 | 7.61 |
| 2420,000 | 128.35 | 490,00 | 110.69 | 0.83 | 253.35 | 3.03 | 125.96 | 0.76 | 6.95 |
| 2420,000 | 128.62 | 650,00 | 167.45 | 0.93 | 274.34 | 3.13 | 208.21 | 0.85 | 7.22 |
| 2420,000 | 128.73 | 720,00 | 192.69 | 0.96 | 281.52 | 3.15 | 245.79 | 0.88 | 7.33 |
| 2420,000 | 129.10 | 1050,00 | 310.00 | 1.11 | 322.48 | 3.40 | 417.52 | 1.07 | 7.70 |
| 2960,000 | 128.73 | 440,00 | 8.85 | 0.29 | 90.09 | 1.28 | 341.06 | 0.58 | 6.53 |
| 2960,000 | 129.02 | 580,00 | 17.25 | 0.36 | 105.88 | 1.41 | 456.87 | 0.65 | 6.82 |
| 2960,000 | 129.14 | 640,00 | 21.43 | 0.38 | 111.89 | 1.46 | 506.68 | 0.67 | 6.94 |
| 2960,000 | 129.56 | 940,00 | 44.80 | 0.48 | 139.29 | 1.68 | 755.91 | 0.74 | 7.36 |
| 3040,000 | 128.74 | 440,00 | 45.99 | 0.46 | 111.84 | 1.56 | 282.16 | 0.63 | 5.94 |
| 3040,000 | 129.03 | 580,00 | 64.62 | 0.54 | 134.00 | 1.79 | 381.38 | 0.73 | 6.23 |
| 3040,000 | 129.14 | 640,00 | 72.77 | 0.57 | 142.71 | 1.87 | 424.52 | 0.76 | 6.34 |
| 3040,000 | 129.56 | 940,00 | 111.73 | 0.70 | 182.44 | 2.22 | 645.83 | 0.84 | 6.76 |
| 3700,000 | 129.08 | 440,00 | 94.12 | 0.62 | 113.60 | 1.96 | 232.28 | 0.68 | 4.48 |
| 3700,000 | 129.41 | 580,00 | 134.57 | 0.65 | 130.60 | 2.07 | 314.83 | 0.99 | 4.81 |
| 3700,000 | 129.53 | 640,00 | 152.96 | 0.67 | 137.51 | 2.12 | 349.53 | 1.04 | 4.93 |
| 3700,000 | 130.03 | 940,00 | 251.17 | 0.76 | 171.34 | 2.37 | 517.49 | 1.23 | 5.43 |
| 4200,000 | 129.69 | 440,00 | 0. | 0. | 440,00 | 7.22 | 0. | 0. | 5.09 |
| 4200,000 | 129.75 | 580,00 | 0. | 0. | 580,00 | 9.35 | 0. | 0. | 5.15 |
| * 4200,000 | 129.90 | 640,00 | 0. | 0. | 640,00 | 9.75 | 0. | 0. | 5.30 |
| * 4200,000 | 130.77 | 940,00 | 0. | 0. | 940,00 | 10.97 | 0. | 0. | 6.17 |
| 4370,000 | 133.73 | 440,00 | 321.23 | 0.14 | 44.74 | 0.39 | 74.03 | 0.12 | 8.73 |
| 4370,000 | 133.80 | 580,00 | 422.04 | 0.18 | 57.46 | 0.49 | 100.50 | 0.15 | 8.80 |
| 4370,000 | 133.82 | 640,00 | 465.06 | 0.20 | 62.74 | 0.53 | 112.20 | 0.16 | 8.82 |
| 4370,000 | 133.95 | 940,00 | 678.89 | 0.27 | 68.04 | 0.73 | 173.06 | 0.23 | 8.95 |

| SECNO | CHSEL | Q | QI:00 | VLOB | QCH | VCH | QROB | VROB | DEPTH |
|----------|--------|--------|--------|------|--------|------|--------|------|-------|
| 4940.000 | 133.92 | 440.00 | 258.95 | 0.30 | 28.13 | 0.98 | 152.93 | 0.40 | 8.22 |
| 4940.000 | 133.83 | 580.00 | 339.24 | 0.43 | 39.34 | 1.40 | 201.43 | 0.57 | 8.13 |
| 4940.000 | 133.87 | 640.00 | 375.28 | 0.46 | 42.36 | 1.49 | 222.36 | 0.61 | 8.17 |
| 4940.000 | 134.03 | 940.00 | 557.45 | 0.60 | 55.81 | 1.91 | 326.74 | 0.80 | 8.33 |
| 5020.000 | 133.95 | 440.00 | 258.38 | 0.24 | 20.79 | 0.79 | 160.83 | 0.32 | 7.75 |
| 5020.000 | 133.87 | 580.00 | 339.53 | 0.34 | 28.94 | 1.12 | 211.53 | 0.45 | 7.67 |
| 5020.000 | 133.91 | 640.00 | 375.29 | 0.36 | 31.00 | 1.19 | 233.71 | 0.48 | 7.71 |
| 5020.000 | 134.09 | 940.00 | 555.20 | 0.47 | 40.06 | 1.49 | 344.74 | 0.62 | 7.89 |
| 5700.000 | 134.11 | 440.00 | 135.26 | 0.44 | 167.39 | 2.06 | 137.34 | 0.49 | 6.81 |
| 5700.000 | 134.19 | 580.00 | 182.96 | 0.54 | 203.90 | 2.46 | 193.14 | 0.57 | 6.89 |
| 5700.000 | 134.26 | 640.00 | 204.59 | 0.55 | 209.17 | 2.48 | 226.24 | 0.56 | 6.96 |
| 5700.000 | 134.52 | 940.00 | 301.10 | 0.58 | 215.70 | 2.39 | 423.20 | 0.55 | 7.22 |

10-YEAR Q POLECAT
SUMMARY PRINTOUT

| SECNO | CWBEL | DIFNSP | VOL | K*XL | K*XNCH | K*XNR | TOPWID | SSTA | ENDST | .01K |
|------------|--------|--------|-------|-------|--------|-------|---------|---------|---------|---------|
| * 570,000 | 122.18 | 0. | 0. | 70.00 | 50.00 | 70.00 | 13.91 | 393.09 | 407.00 | 26.69 |
| 570,000 | 124.54 | 0. | 0. | 70.00 | 50.00 | 70.00 | 296.01 | 363.29 | 659.30 | 105.86 |
| 570,000 | 124.79 | 0. | 0. | 70.00 | 50.00 | 70.00 | 378.88 | 354.17 | 733.05 | 129.55 |
| 570,000 | 126.76 | 1.97 | 0. | 70.00 | 50.00 | 70.00 | 1032.70 | 281.50 | 1314.20 | 628.64 |
| * 620,000 | 123.35 | 0. | 0.08 | 70.00 | 50.00 | 70.00 | 54.77 | 832.77 | 887.55 | 45.58 |
| 620,000 | 124.30 | 0. | 0.24 | 70.00 | 50.00 | 70.00 | 88.19 | 814.96 | 903.15 | 77.22 |
| 620,000 | 124.50 | 0. | 0.30 | 70.00 | 50.00 | 70.00 | 95.11 | 811.21 | 906.32 | 86.57 |
| 620,000 | 126.78 | 2.28 | 1.30 | 70.00 | 50.00 | 70.00 | 259.72 | 738.15 | 997.87 | 276.85 |
| 1360,000 | 126.24 | 0. | 4.19 | 70.00 | 50.00 | 70.00 | 371.44 | 323.53 | 694.97 | 134.42 |
| 1360,000 | 126.59 | 0. | 6.15 | 70.00 | 50.00 | 70.00 | 425.11 | 302.96 | 728.07 | 184.23 |
| 1360,000 | 126.74 | 0. | 6.88 | 70.00 | 50.00 | 70.00 | 441.20 | 294.87 | 741.07 | 207.22 |
| 1360,000 | 127.58 | 0.83 | 14.38 | 70.00 | 50.00 | 70.00 | 559.87 | 255.10 | 810.97 | 398.98 |
| 1400,000 | 126.18 | 0. | 4.49 | 70.00 | 50.00 | 70.00 | 301.48 | 349.67 | 652.92 | 88.42 |
| 1400,000 | 126.58 | 0. | 6.56 | 70.00 | 50.00 | 70.00 | 362.38 | 327.01 | 689.38 | 127.22 |
| 1400,000 | 126.74 | 0. | 7.36 | 70.00 | 50.00 | 70.00 | 386.48 | 317.77 | 704.25 | 147.14 |
| 1400,000 | 127.67 | 0.92 | 15.24 | 70.00 | 50.00 | 70.00 | 517.73 | 268.50 | 786.23 | 316.71 |
| 2380,000 | 128.34 | 0. | 11.41 | 70.00 | 50.00 | 70.00 | 472.36 | 279.30 | 751.66 | 126.14 |
| 2380,000 | 128.59 | 0. | 16.38 | 70.00 | 50.00 | 70.00 | 493.85 | 259.11 | 752.96 | 165.22 |
| 2380,000 | 128.68 | 0. | 18.35 | 70.00 | 50.00 | 70.00 | 501.28 | 252.13 | 753.41 | 180.80 |
| 2380,000 | 129.01 | 0.33 | 32.82 | 70.00 | 50.00 | 70.00 | 527.94 | 227.08 | 755.03 | 245.06 |
| 2420,000 | 128.35 | 0. | 11.76 | 70.00 | 50.00 | 70.00 | 473.64 | 278.09 | 751.74 | 128.20 |
| 2420,000 | 128.62 | 0. | 16.84 | 70.00 | 50.00 | 70.00 | 496.25 | 255.86 | 753.11 | 170.14 |
| 2420,000 | 128.73 | 0. | 18.86 | 70.00 | 50.00 | 70.00 | 505.15 | 248.49 | 753.65 | 189.33 |
| 2420,000 | 129.10 | 0.37 | 33.50 | 70.00 | 50.00 | 70.00 | 535.90 | 219.41 | 755.51 | 266.70 |
| 2960,000 | 128.73 | 0. | 18.42 | 70.00 | 50.00 | 70.00 | 398.93 | 442.22 | 841.15 | 259.78 |
| 2960,000 | 129.02 | 0. | 25.16 | 70.00 | 50.00 | 70.00 | 541.40 | 423.91 | 1467.11 | 322.19 |
| 2960,000 | 129.14 | 0. | 27.92 | 70.00 | 50.00 | 70.00 | 609.42 | 416.90 | 1491.40 | 349.10 |
| 2960,000 | 129.56 | 0.42 | 45.66 | 70.00 | 50.00 | 70.00 | 864.60 | 389.21 | 1581.98 | 469.54 |
| 3040,000 | 128.74 | 0. | 19.62 | 90.00 | 50.00 | 70.00 | 333.52 | 428.27 | 761.79 | 234.34 |
| 3040,000 | 129.03 | 0. | 26.58 | 90.00 | 50.00 | 70.00 | 380.10 | 421.71 | 1266.14 | 283.07 |
| 3040,000 | 129.14 | 0. | 29.44 | 90.00 | 50.00 | 70.00 | 456.34 | 419.18 | 1317.82 | 303.61 |
| 3040,000 | 129.56 | 0.42 | 47.69 | 90.00 | 50.00 | 70.00 | 735.50 | 409.93 | 1507.02 | 393.66 |
| 3700,000 | 129.04 | 0. | 27.87 | 90.00 | 50.00 | 70.00 | 322.92 | 295.16 | 618.08 | 148.94 |
| 3700,000 | 129.41 | 0. | 36.45 | 90.00 | 50.00 | 70.00 | 354.47 | 266.09 | 620.56 | 195.77 |
| 3700,000 | 129.53 | 0. | 40.00 | 90.00 | 50.00 | 70.00 | 366.49 | 255.01 | 621.50 | 215.52 |
| 3700,000 | 130.03 | 0.50 | 61.58 | 90.00 | 50.00 | 70.00 | 414.70 | 212.83 | 627.53 | 304.63 |
| 4200,000 | 129.69 | 0. | 30.94 | 90.00 | 50.00 | 70.00 | 22.43 | 1390.57 | 1413.00 | 33.30 |
| 4200,000 | 129.75 | 0. | 40.16 | 90.00 | 50.00 | 70.00 | 22.52 | 1390.48 | 1413.00 | 34.15 |
| * 4200,000 | 129.90 | 0. | 44.00 | 90.00 | 50.00 | 70.00 | 22.81 | 1390.19 | 1413.00 | 37.22 |
| * 4200,000 | 130.77 | 0.87 | 66.81 | 90.00 | 50.00 | 70.00 | 23.00 | 1390.00 | 1413.00 | 57.09 |
| 4370,000 | 133.73 | 0. | 36.92 | 90.00 | 50.00 | 70.00 | 1578.13 | 361.62 | 1939.75 | 984.82 |
| 4370,000 | 133.80 | 0. | 46.36 | 90.00 | 50.00 | 70.00 | 1609.20 | 345.91 | 1955.11 | 1031.21 |
| 4370,000 | 133.82 | 0. | 50.30 | 90.00 | 50.00 | 70.00 | 1621.91 | 339.48 | 1961.39 | 1050.59 |
| 4370,000 | 133.95 | 0.13 | 73.55 | 90.00 | 50.00 | 70.00 | 1078.32 | 310.96 | 1989.28 | 1139.44 |

| SECNO | CWSEL | DIFWSP | VOL | K*XL | K*LNCH | K*NR | TOPWID | SSTA | ENDST | .01K |
|----------|--------|--------|--------|-------|--------|-------|---------|--------|---------|--------|
| 4940.000 | 133.92 | 0. | 64.81 | 90.00 | 50.00 | 70.00 | 1040.78 | 395.11 | 1435.89 | 337.59 |
| 4940.000 | 133.83 | 0. | 74.40 | 90.00 | 50.00 | 70.00 | 1019.25 | 411.43 | 1430.67 | 310.30 |
| 4940.000 | 133.87 | 0. | 78.87 | 90.00 | 50.00 | 70.00 | 1028.03 | 404.77 | 1432.80 | 321.25 |
| 4940.000 | 134.03 | 0.16 | 104.61 | 90.00 | 50.00 | 70.00 | 1068.75 | 373.91 | 1442.66 | 375.39 |
| 5020.000 | 133.95 | 0. | 67.43 | 90.00 | 50.00 | 70.00 | 1287.34 | 262.66 | 1550.00 | 395.86 |
| 5020.000 | 133.87 | 0. | 76.85 | 90.00 | 50.00 | 70.00 | 1269.51 | 280.49 | 1550.00 | 366.38 |
| 5020.000 | 133.91 | 0. | 81.40 | 90.00 | 50.00 | 70.00 | 1279.08 | 270.92 | 1550.00 | 382.04 |
| 5020.000 | 134.09 | 0.17 | 107.51 | 90.00 | 50.00 | 70.00 | 1323.09 | 226.91 | 1550.00 | 458.90 |
| 5700.000 | 134.11 | 0. | 85.09 | 90.00 | 50.00 | 70.00 | 1131.87 | 666.87 | 2550.00 | 137.95 |
| 5700.000 | 134.19 | 0. | 94.54 | 90.00 | 50.00 | 70.00 | 1353.01 | 647.75 | 2550.00 | 154.41 |
| 5700.000 | 134.26 | 0. | 100.22 | 90.00 | 50.00 | 70.00 | 1543.99 | 630.95 | 2550.00 | 170.99 |
| 5700.000 | 134.52 | 0.27 | 132.09 | 90.00 | 50.00 | 70.00 | 2127.63 | 422.37 | 2550.00 | 272.42 |

SUMMARY OF ERRORS

CAUTION SECNO= 570.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 620.000 PROFILE= 1 WSEL ASSUMED BASED ON MIN DIFF

CAUTION SECNO= 620.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4200.000 PROFILE= 3 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 4200.000 PROFILE= 3 MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 4200.000 PROFILE= 4 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 4200.000 PROFILE= 4 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 4200.000 PROFILE= 4 20 TRIALS ATTEMPTED TO BALANCE WSEL

CAUTION SECNO= 4940.000 PROFILE= 1 CRITICAL DEPTH ASSUMED

CAUTION SECNO= 4940.000 PROFILE= 1 PROBABLE MINIMUM SPECIFIC ENERGY

CAUTION SECNO= 4940.000 PROFILE= 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

| | | | | | | | | | | |
|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 2380,000 | 14,000 | 443,000 | 458,000 | 980,000 | 980,000 | 980,000 | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 127,000 | 127,000 | 0. |
| GR | 135,500 | 0. | 130,000 | 150,000 | 128,000 | 305,000 | 127,400 | 400,000 | 126,200 | 443,000 |
| GR | 123,800 | 446,000 | 121,400 | 450,000 | 122,000 | 454,000 | 126,200 | 458,000 | 127,000 | 500,000 |
| GR | 128,000 | 510,000 | 128,000 | 750,000 | 130,000 | 760,000 | 130,200 | 825,000 | 0. | 0. |
| SB | 0. | 1,500 | 3,000 | 200,000 | 2,400 | 0. | 7,100 | 0. | 0. | 0. |
| X1 | 2420,000 | 0. | 0. | 0. | 40,000 | 40,000 | 40,000 | 0. | 0. | 0. |
| X2 | 0. | 0. | 1,000 | 124,100 | 126,900 | 0. | 0. | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 127,000 | 127,000 | 0. |
| QT | 5,000 | 440,000 | 580,000 | 640,000 | 940,000 | 640,000 | 0. | 0. | 0. | 0. |
| X1 | 2960,000 | 18,000 | 492,000 | 507,000 | 540,000 | 540,000 | 540,000 | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 128,500 | 128,500 | 0. |
| GR | 136,000 | 0. | 132,000 | 210,000 | 129,400 | 400,000 | 128,600 | 450,000 | 127,400 | 492,000 |
| GR | 124,000 | 496,000 | 122,200 | 500,000 | 123,500 | 504,000 | 125,600 | 507,000 | 126,700 | 550,000 |
| GR | 125,300 | 600,000 | 126,000 | 785,000 | 130,000 | 940,000 | 130,000 | 1120,000 | 128,800 | 1420,000 |
| GR | 130,000 | 1680,000 | 132,000 | 1920,000 | 133,000 | 2060,000 | 0. | 0. | 0. | 0. |
| SB | 0. | 1,500 | 3,000 | 1200,000 | 7,000 | 0. | 21,000 | 0. | 0. | 0. |
| NC | 0.090 | 0.070 | 0.050 | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| X1 | 3040,000 | 18,000 | 493,000 | 507,000 | 80,000 | 30,000 | 80,000 | 0. | 0. | 0. |
| X2 | 0. | 0. | 1,000 | 125,900 | 128,000 | 0. | 0. | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 128,500 | 128,500 | 0. |
| GR | 136,000 | 0. | 132,000 | 245,000 | 130,000 | 400,000 | 128,000 | 445,000 | 125,600 | 493,000 |
| GR | 123,600 | 496,000 | 122,800 | 500,000 | 123,600 | 504,000 | 124,500 | 507,000 | 126,700 | 550,000 |
| GR | 126,300 | 600,000 | 130,000 | 845,000 | 130,200 | 985,000 | 130,000 | 1120,000 | 129,000 | 1250,000 |
| GR | 130,000 | 1710,000 | 132,000 | 1920,000 | 133,000 | 2060,000 | 0. | 0. | 0. | 0. |
| X1 | 3700,000 | 15,000 | 442,000 | 457,000 | 660,000 | 660,000 | 660,000 | 0. | 0. | 0. |
| GR | 133,000 | 0. | 132,000 | 140,000 | 130,000 | 214,000 | 128,000 | 390,000 | 127,400 | 400,000 |
| GR | 126,600 | 442,000 | 124,600 | 445,000 | 125,100 | 450,000 | 124,700 | 455,000 | 127,900 | 457,000 |
| GR | 126,800 | 500,000 | 128,000 | 610,000 | 130,000 | 625,000 | 132,000 | 785,000 | 134,000 | 890,000 |
| X1 | 4200,000 | 12,000 | 1300,000 | 1413,000 | 500,000 | 500,000 | 500,000 | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,000 | 133,000 | 0. |
| GR | 135,300 | 0. | 135,000 | 50,000 | 133,000 | 105,000 | 130,000 | 1320,000 | 129,800 | 1350,000 |
| GR | 130,000 | 1390,000 | 124,600 | 1400,000 | 129,100 | 1413,000 | 129,900 | 1450,000 | 129,700 | 1500,000 |
| GR | 133,000 | 1530,000 | 135,000 | 1775,000 | 0. | 0. | 0. | 0. | 0. | 0. |
| SB | 0. | 1,500 | 3,000 | 1100,000 | 4,200 | 0. | 22,300 | 0. | 124,600 | 123,450 |
| X1 | 4370,000 | 11,000 | 1391,000 | 1411,000 | 170,000 | 170,000 | 170,000 | 0. | 0. | 0. |
| X2 | 0. | 0. | 1,000 | 128,800 | 133,600 | 0. | 0. | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,600 | 133,000 | 0. |
| GR | 135,000 | 130,000 | 134,000 | 300,000 | 132,000 | 750,000 | 130,000 | 1200,000 | 130,000 | 1300,000 |
| GR | 130,300 | 1391,000 | 125,000 | 1400,000 | 131,400 | 1411,000 | 132,000 | 1560,000 | 134,000 | 2000,000 |
| GR | 134,300 | 2150,000 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| X1 | 4940,000 | 16,000 | 1145,000 | 1150,000 | 570,000 | 570,000 | 570,000 | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,800 | 133,800 | 0. |
| GR | 135,200 | 0. | 135,000 | 190,000 | 133,000 | 570,000 | 133,000 | 600,000 | 133,600 | 730,000 |
| GR | 133,000 | 910,000 | 130,600 | 1100,000 | 130,700 | 1145,000 | 125,700 | 1150,000 | 131,300 | 1162,000 |
| GR | 132,800 | 1176,000 | 133,100 | 1186,000 | 133,000 | 1196,000 | 132,200 | 1260,000 | 133,000 | 1380,000 |
| GR | 135,800 | 1550,000 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| SB | 0. | 1,500 | 3,000 | 800,000 | 2,750 | 0. | 9,600 | 0. | 124,820 | 125,640 |
| X1 | 5020,000 | 12,000 | 1145,000 | 1150,000 | 80,000 | 80,000 | 80,000 | 0. | 0. | 0. |

| | | | | | | | | | | |
|----|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|
| X2 | 0. | 0. | 1,000 | 129,100 | 133,300 | 0. | 0. | 0. | 0. | 0. |
| X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,300 | 133,300 | 0. |
| GR | 135,000 | 0. | 133,000 | 500,000 | 133,000 | 830,000 | 131,100 | 1100,000 | 131,200 | 1145,000 |
| GR | 126,200 | 1150,000 | 131,400 | 1162,000 | 131,400 | 1176,000 | 132,700 | 1186,000 | 132,200 | 1200,000 |
| GR | 133,000 | 1350,000 | 133,300 | 1550,000 | 0. | 0. | 0. | 0. | 0. | 0. |

| | | | | | | | | | | |
|----|----------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| X1 | 5700,000 | 12,000 | 1089,000 | 1111,000 | 680,000 | 680,000 | 680,000 | 0. | 0. | 0. |
| GR | 135,000 | 0. | 134,300 | 620,000 | 132,800 | 1000,000 | 133,400 | 1089,000 | 127,300 | 1100,000 |
| GR | 133,700 | 1111,000 | 134,200 | 1123,000 | 133,600 | 1143,000 | 132,800 | 1150,000 | 134,400 | 1620,000 |
| GR | 134,000 | 2550,000 | 138,000 | 2550,000 | 0. | 0. | 0. | 0. | 0. | 0. |
| EJ | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |

T1 LUMBERTON NC POLECAT BRANCH MEASURE WIDTHS
T2 FLOOD INSURANCE STUDY TO DELINEATE
T3 100-YEAR R POLECAT BRANCH FLOOD AREAS

| | | | | | | | | | | |
|----|--------|-----|------|------|------|--------|-------|----|---------|----|
| J1 | ICHECK | ING | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FG |
| | 0. | 6. | 0. | 0. | 0. | 0. | 0. | 0. | 125.700 | 0. |

| | | | | | | | | | | |
|----|--------|-------|--------|-------|---------|----|-------|-----|-------|--------|
| J2 | NPROF | 1PLOT | PRFVS | XSECV | XSECH | FN | ALLDC | TBW | CHNIM | ITRACE |
| | 15.000 | 0. | -1.000 | 5.000 | 500.000 | 0. | 0. | 0. | 0. | 0. |

THIS RUN EXECUTED 09/28/77 17.300

 HEC2 RELEASE DATED NOV 76 UPDATED FEB 1977
 ERROR CORR = 01
 MODIFICATION = 50,51,52

NOTE - ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

100-YEAR 0 POLECAT
 SUMMARY PRINTOUT

| SECNO | CWSEL | DIFWSP | ELMIN | K*CHSL | KRATIO | XLCH |
|------------|--------|--------|--------|--------|--------|--------|
| 570.000 | 124.79 | 0. | 117.60 | 0. | 0. | 0. |
| 570.000 | 125.79 | 1.00 | 117.60 | 0. | 0. | 0. |
| 620.000 | 124.50 | 0. | 117.90 | 6.00 | 0.67 | 50.00 |
| 620.000 | 125.50 | 1.00 | 117.90 | 6.00 | 0.64 | 50.00 |
| 1360.000 | 126.74 | 0. | 118.20 | 0.41 | 2.39 | 740.00 |
| 1360.000 | 127.75 | 1.01 | 118.20 | 0.41 | 2.76 | 740.00 |
| 1400.000 | 126.74 | 0. | 118.60 | 10.00 | 0.71 | 40.00 |
| 1400.000 | 127.75 | 1.01 | 118.60 | 10.00 | 0.71 | 40.00 |
| 2380.000 | 128.68 | 0. | 121.40 | 2.86 | 1.23 | 980.00 |
| 2380.000 | 129.50 | 0.82 | 121.40 | 2.86 | 1.12 | 980.00 |
| 2420.000 | 128.73 | 0. | 121.40 | 0. | 1.05 | 40.00 |
| 2420.000 | 129.55 | 0.82 | 121.40 | 0. | 1.05 | 40.00 |
| 2960.000 | 129.14 | 0. | 122.20 | 1.48 | 1.84 | 540.00 |
| 2960.000 | 129.99 | 0.85 | 122.20 | 1.48 | 1.82 | 540.00 |
| 3040.000 | 129.14 | 0. | 122.80 | 7.50 | 0.87 | 80.00 |
| 3040.000 | 129.99 | 0.85 | 122.80 | 7.50 | 0.85 | 80.00 |
| 3700.000 | 129.53 | 0. | 124.60 | 2.73 | 0.71 | 660.00 |
| 3700.000 | 130.39 | 0.85 | 124.60 | 2.73 | 0.75 | 660.00 |
| * 4200.000 | 129.90 | 0. | 124.60 | 0. | 0.17 | 500.00 |
| 4200.000 | 130.92 | 1.02 | 124.60 | 0. | 0.26 | 500.00 |
| 4370.000 | 133.82 | 0. | 125.00 | 2.35 | 28.22 | 170.00 |
| 4370.000 | 134.84 | 1.02 | 125.00 | 2.35 | 19.81 | 170.00 |
| 4940.000 | 133.87 | 0. | 125.70 | 1.23 | 0.31 | 570.00 |
| 4940.000 | 134.88 | 1.01 | 125.70 | 1.23 | 0.31 | 570.00 |
| 5020.000 | 133.91 | 0. | 126.20 | 6.25 | 1.19 | 80.00 |
| 5020.000 | 134.92 | 1.01 | 126.20 | 6.25 | 1.21 | 80.00 |

| SECNO | CWSEL | DIFWSP | ELMIN | K*CHSL | KRATIO | XLCH |
|----------|--------|--------|--------|--------|--------|--------|
| 5700.000 | 134.26 | 0. | 127.30 | 1.62 | 0.45 | 680.00 |
| 5700.000 | 135.19 | 0.93 | 127.30 | 1.62 | 0.43 | 680.00 |

INTCOJ S.A.

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8

100-YEAR Q POLECAT
SUMMARY PRINTOUT

| SECNO | CWSEL | DIFWSP | DIFWSX " | ELTRD | ELLC | AREA |
|------------|--------|--------|----------|-----------|--------|---------|
| 570.000 | 124.79 | 0. | 0. | 0. | 0. | 347.32 |
| 570.000 | 125.79 | 1.00 | 0. | 0. | 0. | 206.87 |
| 620.000 | 124.50 | 0. | -0.29 | 122.90 | 122.00 | 176.87 |
| 620.000 | 125.50 | 1.00 | -0.29 | 999999.00 | 0. | 118.15 |
| 1360.000 | 126.74 | 0. | 2.24 | 0. | 0. | 598.01 |
| 1360.000 | 127.75 | 1.01 | 2.25 | 0. | 0. | 440.43 |
| 1400.000 | 126.74 | 0. | 0.00 | 125.50 | 124.90 | 432.25 |
| 1400.000 | 127.75 | 1.01 | 0.00 | 999999.00 | 0. | 311.86 |
| 2380.000 | 128.68 | 0. | 1.90 | 0. | 0. | 545.05 |
| 2380.000 | 129.50 | 0.82 | 1.76 | 0. | 0. | 331.14 |
| 2420.000 | 128.73 | 0. | 0.05 | 126.90 | 124.10 | 568.70 |
| 2420.000 | 129.55 | 0.82 | 0.05 | 999999.00 | 0. | 351.83 |
| 2960.000 | 129.14 | 0. | 0.41 | 0. | 0. | 892.23 |
| 2960.000 | 129.99 | 0.85 | 0.44 | 0. | 0. | 630.86 |
| 3040.000 | 129.14 | 0. | 0.06 | 128.00 | 124.90 | 763.76 |
| 3040.000 | 129.99 | 0.85 | 0.00 | 999999.00 | 0. | 520.26 |
| 3700.000 | 129.53 | 0. | 0.40 | 0. | 0. | 630.62 |
| 3700.000 | 130.30 | 0.85 | 0.40 | 0. | 0. | 447.67 |
| * 4200.000 | 129.90 | 0. | 0.37 | 0. | 0. | 65.65 |
| 4200.000 | 130.92 | 1.02 | 0.53 | 0. | 0. | 89.22 |
| 4370.000 | 133.82 | 0. | 3.92 | 133.60 | 128.80 | 3162.53 |
| 4370.000 | 134.84 | 1.02 | 3.92 | 999999.00 | 0. | 2390.44 |
| 4940.000 | 133.87 | 0. | 0.05 | 0. | 0. | 1204.87 |
| 4940.000 | 134.88 | 1.01 | 0.03 | 0. | 0. | 810.58 |
| 5020.000 | 133.91 | 0. | 0.04 | 133.30 | 129.10 | 1548.35 |
| 5020.000 | 134.92 | 1.01 | 0.04 | 999999.00 | 0. | 1069.17 |
| 5700.000 | 134.24 | 0. | 0.34 | 0. | 0. | 862.63 |
| 5700.000 | 135.19 | 0.93 | 0.27 | 0. | 0. | 418.90 |

100-YEAR Q POLECAT
SUMMARY PRINTOUT

| SECNO | CWSEL | Q | QLOB | VLOB | QCH | VCH | QROB | VROB | DEPTH |
|------------|--------|--------|--------|------|--------|------|--------|------|-------|
| 570.000 | 124.79 | 720.00 | 33.89 | 1.22 | 384.48 | 4.61 | 301.64 | 1.28 | 7.19 |
| 570.000 | 125.79 | 720.00 | 0. | 0. | 404.24 | 4.56 | 275.76 | 2.52 | 8.19 |
| 620.000 | 124.50 | 720.00 | 42.79 | 1.58 | 492.74 | 6.53 | 184.47 | 2.48 | 6.60 |
| 620.000 | 125.50 | 720.00 | 0. | 0. | 620.34 | 6.94 | 99.66 | 3.47 | 7.60 |
| 1360.000 | 126.74 | 720.00 | 198.52 | 1.01 | 282.79 | 2.85 | 238.69 | 0.79 | 8.54 |
| 1360.000 | 127.75 | 720.00 | 91.18 | 1.37 | 329.89 | 2.86 | 298.93 | 1.16 | 9.55 |
| 1400.000 | 126.74 | 720.00 | 163.85 | 1.29 | 356.61 | 3.83 | 179.53 | 0.91 | 8.14 |
| 1400.000 | 127.75 | 720.00 | 63.74 | 1.72 | 422.54 | 3.88 | 233.72 | 1.41 | 9.15 |
| 2380.000 | 128.68 | 720.00 | 189.65 | 0.99 | 290.95 | 3.28 | 239.40 | 0.91 | 7.28 |
| 2380.000 | 129.50 | 720.00 | 94.68 | 1.61 | 359.27 | 3.56 | 266.06 | 1.55 | 8.10 |
| 2420.000 | 128.73 | 720.00 | 192.69 | 0.96 | 281.52 | 3.15 | 245.79 | 0.88 | 7.33 |
| 2420.000 | 129.55 | 720.00 | 101.37 | 1.55 | 346.31 | 3.41 | 272.31 | 1.47 | 8.15 |
| 2960.000 | 129.14 | 640.00 | 21.43 | 0.38 | 111.89 | 1.46 | 506.68 | 0.67 | 6.94 |
| 2960.000 | 129.99 | 640.00 | 0. | 0. | 132.11 | 1.47 | 507.89 | 0.94 | 7.79 |
| 3040.000 | 129.14 | 640.00 | 72.77 | 0.57 | 142.71 | 1.87 | 424.52 | 0.76 | 6.34 |
| 3040.000 | 129.99 | 640.00 | 0. | 0. | 156.42 | 1.77 | 483.58 | 1.12 | 7.19 |
| 3700.000 | 129.53 | 640.00 | 152.96 | 0.67 | 137.51 | 2.12 | 349.57 | 1.04 | 4.93 |
| 3700.000 | 130.39 | 640.00 | 87.75 | 1.02 | 181.33 | 2.33 | 370.92 | 1.30 | 5.79 |
| * 4200.000 | 129.90 | 640.00 | 0. | 0. | 640.00 | 9.75 | 0. | 0. | 5.30 |
| 4200.000 | 130.92 | 640.00 | 0. | 0. | 640.00 | 7.17 | 0. | 0. | 6.32 |
| 4370.000 | 133.82 | 640.00 | 465.06 | 0.20 | 62.74 | 0.53 | 112.20 | 0.16 | 8.82 |
| 4370.000 | 134.84 | 640.00 | 523.43 | 0.25 | 75.54 | 0.55 | 41.07 | 0.26 | 9.84 |
| 4940.000 | 133.87 | 640.00 | 375.28 | 0.46 | 42.36 | 1.49 | 222.36 | 0.61 | 8.17 |
| 4940.000 | 134.88 | 640.00 | 469.76 | 0.70 | 50.94 | 1.53 | 119.31 | 1.08 | 9.18 |
| 5020.000 | 133.91 | 640.00 | 375.29 | 0.36 | 31.00 | 1.19 | 233.71 | 0.48 | 7.71 |
| 5020.000 | 134.92 | 640.00 | 461.70 | 0.53 | 37.53 | 1.21 | 140.76 | 0.81 | 8.72 |
| 5700.000 | 134.26 | 640.00 | 204.59 | 0.55 | 209.17 | 2.48 | 226.24 | 0.56 | 6.96 |
| 5700.000 | 135.19 | 640.00 | 0. | 0. | 267.57 | 2.55 | 372.43 | 1.19 | 7.89 |

100-YEAR C POLECAT
SUMMARY PRINTOUT

| SECNO | CWSEL | DIFWSP | VOL | K*XL | K*XNCH | K*XNR | TOPWID | SSTA | ENDST | .01K |
|----------|--------|--------|--------|-------|--------|-------|---------|---------|---------|---------|
| 570.000 | 124.79 | 0. | 0. | 70.00 | 50.00 | 70.00 | 378.8A | 354.17 | 733.05 | 129.55 |
| 570.000 | 125.79 | 1.00 | 0. | 70.00 | 50.00 | 70.00 | 46.73 | 393.00 | 439.73 | 128.55 |
| 620.000 | 124.50 | 0. | 0.30 | 70.00 | 50.00 | 70.00 | 95.11 | 811.21 | 906.32 | 86.57 |
| 620.000 | 125.50 | 1.00 | 0.19 | 70.00 | 50.00 | 70.00 | 21.63 | 843.00 | 864.63 | 82.69 |
| 1360.000 | 126.74 | 0. | 6.8A | 70.00 | 50.00 | 70.00 | 446.20 | 294.87 | 741.07 | 207.22 |
| 1360.000 | 127.75 | 1.01 | 4.93 | 70.00 | 50.00 | 70.00 | 146.83 | 424.67 | 571.50 | 228.08 |
| 1400.000 | 126.74 | 0. | 7.36 | 70.00 | 50.00 | 70.00 | 386.4A | 317.77 | 704.25 | 147.14 |
| 1400.000 | 127.75 | 1.01 | 5.2A | 70.00 | 50.00 | 70.00 | 117.12 | 431.97 | 549.09 | 161.92 |
| 2380.000 | 128.68 | 0. | 18.35 | 70.00 | 50.00 | 70.00 | 501.2A | 252.13 | 753.41 | 180.80 |
| 2380.000 | 129.50 | 0.82 | 12.51 | 70.00 | 50.00 | 70.00 | 106.2A | 423.59 | 529.8A | 181.66 |
| 2420.000 | 128.73 | 0. | 16.86 | 70.00 | 50.00 | 70.00 | 505.15 | 248.49 | 753.65 | 189.33 |
| 2420.000 | 129.55 | 0.82 | 12.82 | 70.00 | 50.00 | 70.00 | 114.4A | 421.63 | 536.10 | 190.90 |
| 2960.000 | 129.14 | 0. | 27.92 | 70.00 | 50.00 | 70.00 | 609.42 | 416.90 | 1491.40 | 349.10 |
| 2960.000 | 129.99 | 0.85 | 18.91 | 70.00 | 50.00 | 70.00 | 156.4A | 492.00 | 648.4A | 348.33 |
| 3040.000 | 129.14 | 0. | 29.44 | 90.00 | 50.00 | 70.00 | 456.34 | 419.1A | 1317.82 | 303.61 |
| 3040.000 | 129.99 | 0.85 | 19.97 | 90.00 | 50.00 | 70.00 | 126.30 | 493.00 | 617.30 | 295.25 |
| 3700.000 | 129.53 | 0. | 40.00 | 90.00 | 50.00 | 70.00 | 366.49 | 255.01 | 621.50 | 215.52 |
| 3700.000 | 130.39 | 0.85 | 27.30 | 90.00 | 50.00 | 70.00 | 128.15 | 417.91 | 546.06 | 220.69 |
| 4200.000 | 129.90 | 0. | 44.00 | 90.00 | 50.00 | 70.00 | 22.81 | 1390.19 | 1413.00 | 37.22 |
| 4200.000 | 130.92 | 1.02 | 30.39 | 90.00 | 50.00 | 70.00 | 23.00 | 1390.00 | 1413.00 | 57.46 |
| 4370.000 | 133.82 | 0. | 50.30 | 90.00 | 50.00 | 70.00 | 1621.91 | 339.4A | 1961.39 | 1050.59 |
| 4370.000 | 134.84 | 1.02 | 35.22 | 90.00 | 50.00 | 70.00 | 539.00 | 919.99 | 1459.03 | 1138.40 |
| 4940.000 | 133.87 | 0. | 78.87 | 90.00 | 50.00 | 70.00 | 1028.03 | 404.77 | 1432.80 | 321.25 |
| 4940.000 | 134.88 | 1.01 | 56.17 | 90.00 | 50.00 | 70.00 | 213.9A | 959.47 | 1173.46 | 350.95 |
| 5020.000 | 133.91 | 0. | 81.40 | 90.00 | 50.00 | 70.00 | 1279.0A | 270.92 | 1550.00 | 382.04 |
| 5020.000 | 134.92 | 1.01 | 57.89 | 90.00 | 50.00 | 70.00 | 326.53 | 868.99 | 1195.52 | 422.93 |
| 5700.000 | 134.26 | 0. | 100.22 | 90.00 | 50.00 | 70.00 | 1543.90 | 670.95 | 2550.00 | 170.99 |
| 5700.000 | 135.19 | 0.93 | 69.51 | 90.00 | 50.00 | 70.00 | 179.72 | 1089.00 | 1268.72 | 183.12 |

SUMMARY OF ERRORS

CAUTION SECNO= 4200.000 PROFILE= 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO= 4200.000 PROFILE= 1 MINIMUM SPECIFIC ENERGY

FIA
Pocket

THIS RUN EXECUTED 07/13/78 1.11

 RECD RELEASE DATED NOV 76 UPDATED AUG 1977
 ERROR CORR = 01,02
 MODIFICATION = 50,51,52,53

T1 LUMBERTON NC POLECAT BRANCH MEASURE WIDTHS
 T2 FLOOD INSURANCE STUDY TO DELINEATE
 T3 10-YEAR Q POLECAT BRANCH FLOOD AREAS

| J1 | ICHECK | ING | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FO |
|----|-------------------------------------|---------|---------|---------|---------|----------|---------|----------|---------|---------|
| | 0. | 2. | 0. | 0. | 0. | 0. | 0. | 0. | 125,300 | 0. |
| J2 | NPROF | IPLDT | PRFVS | XSECV | XSECH | FN | ALLDC | IBW | CHNIM | ITRACE |
| | 1,000 | 0. | -1,000 | 5,000 | 500,000 | 0. | 0. | 0. | 0. | 0. |
| J3 | VARIABLE CODES FOR SUMMARY PRINTOUT | | | | | | | | | |
| | 38,000 | 1,000 | 50,000 | 51,000 | 42,000 | 39,000 | 0. | 38,000 | 21,000 | 22,000 |
| | 53,000 | 54,000 | 4,000 | 0. | 38,000 | 1,000 | 58,000 | 33,000 | 50,000 | 40,000 |
| | 41,000 | 25,000 | 0. | 38,000 | 1,000 | 43,000 | 13,000 | 55,000 | 14,000 | 26,000 |
| | 15,000 | 56,000 | 8,000 | 35,000 | 60,000 | 59,000 | 0. | 38,000 | 1,000 | 7,000 |
| | 16,000 | 17,000 | 18,000 | 34,000 | 21,000 | 22,000 | 53,000 | 54,000 | 4,000 | 0. |
| NC | 0,070 | 0,070 | 0,050 | 0,100 | 0,300 | 0. | 0. | 0. | 0. | 0. |
| ET | 0. | 0. | 0. | 0. | 0. | 0. | 8,400 | 0. | 0. | 0. |
| QT | 5,000 | 440,000 | 580,000 | 640,000 | 940,000 | 640,000 | 0. | 0. | 0. | 0. |
| X1 | 2,500 | 14,000 | 150,000 | 190,000 | 0. | 0. | 0. | 0. | 0. | 0. |
| GR | 130,000 | 0. | 128,000 | 40,000 | 126,000 | 130,000 | 126,000 | 150,000 | 122,000 | 150,000 |
| GR | 122,000 | 190,000 | 126,000 | 190,000 | 126,000 | 200,000 | 126,700 | 500,000 | 126,000 | 680,000 |
| GR | 125,400 | 760,000 | 126,000 | 790,000 | 128,000 | 1065,000 | 130,000 | 1110,000 | 0. | 0. |
| X1 | 9,000 | 10,000 | 110,000 | 340,000 | 650,000 | 300,000 | 650,000 | 0. | 0. | 0. |
| GR | 130,000 | 0. | 128,000 | 40,000 | 126,000 | 70,000 | 124,000 | 85,000 | 122,000 | 110,000 |
| GR | 122,000 | 340,000 | 130,000 | 370,000 | 130,000 | 385,000 | 128,000 | 410,000 | 130,000 | 515,000 |
| X1 | 12,000 | 0. | 0. | 0. | 300,000 | 300,000 | 300,000 | 0. | 0. | 0. |
| X1 | 13,300 | 9,000 | 165,000 | 177,000 | 130,000 | 130,000 | 130,000 | 0. | 0. | 0. |
| GR | 130,000 | 0. | 128,000 | 45,000 | 126,000 | 160,000 | 127,000 | 165,000 | 122,000 | 168,000 |
| GR | 122,000 | 174,000 | 127,000 | 177,000 | 128,000 | 430,000 | 130,000 | 530,000 | 0. | 0. |
| X1 | 13,500 | 0. | 0. | 0. | 20,000 | 20,000 | 20,000 | 0. | 0. | 0. |

| | | | | | | | | | | | |
|----|----|---------|----------|----------|----------|---------|----------|---------|----------|---------|----------|
| | X1 | 16,000 | 13,000 | 90,000 | 102,000 | 250,000 | 250,000 | 250,000 | 0. | 0. | 0. |
| | GR | 130,000 | 0. | 128,000 | 45,000 | 126,000 | 90,000 | 121,000 | 93,000 | 121,000 | 99,000 |
| | GR | 126,000 | 102,000 | 126,000 | 140,000 | 124,000 | 200,000 | 124,000 | 230,000 | 126,000 | 300,000 |
| | GR | 126,000 | 420,000 | 128,000 | 530,000 | 129,400 | 690,000 | 0. | 0. | 0. | 0. |
| 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | X1 | 17,400 | 18,000 | 492,000 | 507,000 | 140,000 | 140,000 | 140,000 | 0. | 0. | 0. |
| 4 | X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 128,500 | 128,500 | 0. |
| 5 | GR | 136,000 | 0. | 132,000 | 210,000 | 129,400 | 400,000 | 128,600 | 450,000 | 127,400 | 492,000 |
| 6 | GR | 124,000 | 496,000 | 122,200 | 500,000 | 123,500 | 504,000 | 125,600 | 507,000 | 126,700 | 550,000 |
| 7 | GR | 125,600 | 600,000 | 128,000 | 785,000 | 130,000 | 940,000 | 130,000 | 1120,000 | 128,800 | 1420,000 |
| 8 | GR | 130,000 | 1680,000 | 132,000 | 1920,000 | 133,000 | 2060,000 | 0. | 0. | 0. | 0. |
| 9 | SB | 0. | 1,500 | 3,000 | 1200,000 | 7,000 | 0. | 21,000 | 0. | 0. | 0. |
| 10 | NC | 0.090 | 0.070 | 0.050 | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | | | | | | | | | | | |
| 12 | | | | | | | | | | | |
| 13 | X1 | 18,200 | 18,000 | 493,000 | 507,000 | 80,000 | 80,000 | 80,000 | 0. | 0. | 0. |
| 14 | X2 | 0. | 0. | 1,000 | 124,900 | 128,000 | 0. | 0. | 0. | 0. | 0. |
| 15 | X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 128,500 | 128,500 | 0. |
| 16 | GR | 136,000 | 0. | 132,000 | 245,000 | 130,000 | 400,000 | 128,000 | 445,000 | 125,600 | 493,000 |
| 17 | GR | 123,600 | 496,000 | 122,800 | 500,000 | 123,600 | 504,000 | 124,500 | 507,000 | 126,700 | 550,000 |
| 18 | GR | 126,300 | 600,000 | 130,000 | 845,000 | 130,200 | 985,000 | 130,000 | 1120,000 | 129,000 | 1250,000 |
| 19 | GR | 130,000 | 1710,000 | 132,000 | 1920,000 | 133,000 | 2060,000 | 0. | 0. | 0. | 0. |
| 20 | | | | | | | | | | | |
| 21 | | | | | | | | | | | |
| 22 | X1 | 19,000 | 0. | 0. | 0. | 80,000 | 80,000 | 80,000 | 0. | 0. | 0. |
| 23 | | | | | | | | | | | |
| 24 | | | | | | | | | | | |
| 25 | X1 | 24,800 | 15,000 | 442,000 | 457,000 | 580,000 | 580,000 | 580,000 | 0. | 0. | 0. |
| 26 | GR | 133,000 | 0. | 132,000 | 140,000 | 130,000 | 214,000 | 128,000 | 390,000 | 127,400 | 400,000 |
| 27 | GR | 126,600 | 442,000 | 124,600 | 445,000 | 125,100 | 450,000 | 124,700 | 455,000 | 127,900 | 457,000 |
| 28 | GR | 126,800 | 500,000 | 128,000 | 610,000 | 130,000 | 625,000 | 132,000 | 785,000 | 134,000 | 890,000 |
| 29 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |
| 31 | X1 | 29,800 | 12,000 | 1390,000 | 1413,000 | 500,000 | 500,000 | 500,000 | 0. | 0. | 0. |
| 32 | X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,000 | 133,000 | 0. |
| 33 | GR | 135,300 | 0. | 135,000 | 50,000 | 133,000 | 105,000 | 130,000 | 1320,000 | 129,800 | 1350,000 |
| 34 | GR | 130,000 | 1390,000 | 124,600 | 1400,000 | 129,100 | 1413,000 | 129,900 | 1450,000 | 129,700 | 1500,000 |
| 35 | GR | 133,000 | 1530,000 | 135,000 | 1775,000 | 0. | 0. | 0. | 0. | 0. | 0. |
| 36 | SB | 0. | 1,500 | 3,000 | 1100,000 | 4,200 | 0. | 22,300 | 0. | 124,690 | 123,450 |
| 37 | | | | | | | | | | | |
| 38 | | | | | | | | | | | |
| 39 | X1 | 31,500 | 11,000 | 1391,000 | 1411,000 | 170,000 | 170,000 | 170,000 | 0. | 0. | 0. |
| 40 | X2 | 0. | 0. | 1,000 | 128,800 | 133,600 | 0. | 0. | 0. | 0. | 0. |
| 41 | X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,600 | 133,600 | 0. |
| 42 | GR | 135,000 | 130,000 | 134,000 | 300,000 | 132,000 | 750,000 | 130,000 | 1200,000 | 130,000 | 1300,000 |
| 43 | GR | 130,300 | 1391,000 | 125,000 | 1400,000 | 131,400 | 1411,000 | 132,000 | 1560,000 | 134,000 | 2000,000 |
| 44 | GR | 134,300 | 2150,000 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 45 | | | | | | | | | | | |
| 46 | | | | | | | | | | | |
| 47 | X1 | 37,200 | 16,000 | 1145,000 | 1150,000 | 570,000 | 570,000 | 570,000 | 0. | 0. | 0. |
| 48 | X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,800 | 133,800 | 0. |
| 49 | GR | 135,200 | 0. | 135,000 | 190,000 | 133,000 | 570,000 | 133,000 | 600,000 | 133,600 | 730,000 |
| 50 | GR | 133,000 | 910,000 | 130,600 | 1100,000 | 130,700 | 1145,000 | 125,700 | 1150,000 | 131,300 | 1162,000 |
| 51 | GR | 132,800 | 1176,000 | 133,100 | 1186,000 | 133,000 | 1196,000 | 132,200 | 1200,000 | 133,000 | 1380,000 |
| 52 | GR | 135,800 | 1550,000 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 53 | SB | 0. | 1,500 | 3,000 | 800,000 | 2,750 | 0. | 9,600 | 0. | 124,820 | 125,640 |
| 54 | | | | | | | | | | | |
| 55 | | | | | | | | | | | |
| 56 | X1 | 38,000 | 12,000 | 1145,000 | 1150,000 | 80,000 | 80,000 | 80,000 | 0. | 0. | 0. |
| 57 | X2 | 0. | 0. | 1,000 | 129,100 | 133,300 | 0. | 0. | 0. | 0. | 0. |
| | X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,300 | 133,300 | 0. |
| | GR | 135,000 | 0. | 133,000 | 500,000 | 133,000 | 830,000 | 131,100 | 1100,000 | 131,200 | 1145,000 |
| | GR | 126,200 | 1150,000 | 131,400 | 1162,000 | 131,400 | 1176,000 | 132,700 | 1186,000 | 132,200 | 1200,000 |

RECEIVED RELEASE DATED NOV 76, UPDATED AUG 1977

ERROR CORR = 01,02
 MODIFICATION = 50,51,52,53

T1 LUMBERTON INC POLECAT BRANCH MEASURE WIDTHS
 T2 FLOOD INSURANCE STUDY TO DELINEATE
 T3 50-YEAR Q POLECAT BRANCH FLOOD AREAS

| J1 | ICHECK | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FO |
|----|--------|------|------|------|--------|-------|----|---------|----|
| | 0. | 3. | 0. | 0. | 0. | 0. | 0. | 125.900 | 0. |

| J2 | NPROF | IPLDT | PRFVS | XSECV | XSECH | FN | ALLDC | IBW | CHNIM | ITRACE |
|----|-------|-------|-------|-------|---------|----|-------|-----|-------|--------|
| | 2.000 | 0. | 1.000 | 5.000 | 500.000 | 0. | 0. | 0. | 0. | 0. |

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| 57 | 57 |

RICE RELEASE DATED NOV 76 UPDATED AUG 1977
ERROR CORR = 01,02
MODIFICATION = 50,51,52,53

T1 LUMBERTON NC POLEGAT BRANCH MEASURE WIDTHS
T2 FLOOD INSURANCE STUDY TO DELINEATE
T3 100-YEAR Q POLEGAT BRANCH FLOOD AREAS

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WBEL FQ
0. 4. 0. 0. 0. 0. 0. 0. 126,300 0.

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC IBW CHNIM ITRACE
3,000 0. -1,000 5,000 500,000 0. 0. 0. 0. 0.

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HECB RELEASE DATED NOV 76 UPDATED AUG 1977

ERROR CORR = 01,02
MODIFICATION = 50,51,52,53

T1 LUMBERTON NC POLECAT BRANCH MEASURE WIDTHS
T2 FLOOD INSURANCE STUDY TO DELINEATE
T3 500-YEAR Q FLOOD POLECAT BRANCH FLOOD AREAS

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FG
0. 5. 0. 0. 0. 0. 0. 0. 120,200 0.

J2 NPROF IPLOT PRFVS XSECV XSECH FN ALLDC ISW CHNIM ITRACE
15,000 0. -1,000 5,000 500,000 0. 0. 0. 0. 0.

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 HEGZ RELEASE DATED NOV 76 UPDATED AUG 1977
 ERROR CORR = 01,02
 MODIFICATION = 50,51,52,53

NOTE- ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

10-YEAR G POLECAT
 SUMMARY PRINTOUT

| SECNO | CWSEL | DIFWSP | DIFWSX | ELMIN | XLCH |
|----------|--------|--------|--------|--------|--------|
| 2,500 | 125,30 | 0. | 0. | 122,00 | 0. |
| 2,500 | 125,90 | 0,60 | 0. | 122,00 | 0. |
| 2,500 | 126,30 | 0,40 | 0. | 122,00 | 0. |
| 2,500 | 128,20 | 1,90 | 0. | 122,00 | 0. |
| 9,000 | 125,59 | 0. | 0,29 | 122,00 | 650,00 |
| 9,000 | 126,22 | 0,63 | 0,32 | 122,00 | 650,00 |
| 9,000 | 126,56 | 0,34 | 0,26 | 122,00 | 650,00 |
| 9,000 | 128,24 | 1,68 | 0,04 | 122,00 | 650,00 |
| 12,000 | 125,61 | 0. | 0,02 | 122,00 | 300,00 |
| 12,000 | 126,24 | 0,63 | 0,02 | 122,00 | 300,00 |
| 12,000 | 126,58 | 0,34 | 0,01 | 122,00 | 300,00 |
| 12,000 | 128,25 | 1,67 | 0,01 | 122,00 | 300,00 |
| * 13,300 | 127,39 | 0. | 1,78 | 122,00 | 130,00 |
| * 13,300 | 127,68 | 0,29 | 1,44 | 122,00 | 130,00 |
| * 13,300 | 127,81 | 0,14 | 1,24 | 122,00 | 130,00 |
| * 13,300 | 128,06 | 0,25 | -0,19 | 122,00 | 130,00 |
| 13,500 | 127,88 | 0. | 0,49 | 122,00 | 20,00 |
| 13,500 | 128,11 | 0,23 | 0,43 | 122,00 | 20,00 |
| 13,500 | 128,18 | 0,07 | 0,36 | 122,00 | 20,00 |
| 13,500 | 128,47 | 0,29 | 0,41 | 122,00 | 20,00 |
| 16,000 | 128,10 | 0. | 0,22 | 121,00 | 250,00 |
| 16,000 | 128,33 | 0,23 | 0,22 | 121,00 | 250,00 |
| 16,000 | 128,40 | 0,07 | 0,23 | 121,00 | 250,00 |
| 16,000 | 128,73 | 0,33 | 0,26 | 121,00 | 250,00 |
| 17,400 | 127,26 | 0. | -0,84 | 122,20 | 140,00 |
| * 17,400 | 128,56 | 1,30 | 0,23 | 122,20 | 140,00 |
| * 17,400 | 128,56 | 0,00 | 0,16 | 122,20 | 140,00 |
| 17,400 | 128,76 | 0,20 | 0,03 | 122,20 | 140,00 |
| 18,200 | 127,45 | 0. | 0,20 | 122,80 | 80,00 |
| 18,200 | 128,53 | 1,10 | -0,01 | 122,80 | 80,00 |
| 18,200 | 128,55 | -0,00 | -0,01 | 122,80 | 80,00 |
| 18,200 | 128,74 | 0,19 | -0,03 | 122,80 | 80,00 |

| | SECNO | CWBEL | DIFWSP | DIFWSX | ELMIN | XLCH | |
|----|--------|--------|--------|--------|--------|--------|----|
| 1 | | | | | | | 1 |
| 2 | 19,000 | 128.71 | 0. | 1.25 | 122.80 | 80.00 | 2 |
| 3 | 19,000 | 128.62 | -0.09 | 0.06 | 122.80 | 80.00 | 3 |
| 4 | 19,000 | 128.63 | 0.01 | 0.08 | 122.80 | 80.00 | 4 |
| 5 | 19,000 | 128.87 | 0.24 | 0.13 | 122.80 | 80.00 | 5 |
| 6 | | | | | | | 6 |
| 7 | 24,800 | 129.03 | 0. | 0.32 | 124.60 | 580.00 | 7 |
| 8 | 24,800 | 129.17 | 0.14 | 0.55 | 124.60 | 580.00 | 8 |
| 9 | 24,800 | 129.26 | 0.09 | 0.63 | 124.60 | 580.00 | 9 |
| 10 | 24,800 | 129.71 | 0.45 | 0.84 | 124.60 | 580.00 | 10 |
| 11 | | | | | | | 11 |
| 12 | 29,800 | 129.74 | 0. | 0.71 | 124.60 | 500.00 | 12 |
| 13 | 29,800 | 130.09 | 0.35 | 0.93 | 124.60 | 500.00 | 13 |
| 14 | 29,800 | 130.17 | 0.08 | 0.92 | 124.60 | 500.00 | 14 |
| 15 | 29,800 | 130.73 | 0.56 | 1.03 | 124.60 | 500.00 | 15 |
| 16 | | | | | | | 16 |
| 17 | 31,500 | 133.73 | 0. | 3.99 | 125.00 | 170.00 | 17 |
| 18 | 31,500 | 133.80 | 0.07 | 3.71 | 125.00 | 170.00 | 18 |
| 19 | 31,500 | 133.83 | 0.03 | 3.66 | 125.00 | 170.00 | 19 |
| 20 | 31,500 | 133.95 | 0.12 | 3.21 | 125.00 | 170.00 | 20 |
| 21 | | | | | | | 21 |
| 22 | 37,200 | 133.92 | 0. | 0.19 | 125.70 | 570.00 | 22 |
| 23 | 37,200 | 133.84 | -0.08 | 0.04 | 125.70 | 570.00 | 23 |
| 24 | 37,200 | 133.87 | 0.03 | 0.05 | 125.70 | 570.00 | 24 |
| 25 | 37,200 | 134.03 | 0.16 | 0.08 | 125.70 | 570.00 | 25 |
| 26 | | | | | | | 26 |
| 27 | 38,000 | 133.95 | 0. | 0.03 | 126.20 | 80.00 | 27 |
| 28 | 38,000 | 133.88 | -0.07 | 0.04 | 126.20 | 80.00 | 28 |
| 29 | 38,000 | 133.92 | 0.04 | 0.04 | 126.20 | 80.00 | 29 |
| 30 | 38,000 | 134.09 | 0.17 | 0.06 | 126.20 | 80.00 | 30 |
| 31 | | | | | | | 31 |
| 32 | 44,800 | 134.12 | 0. | 0.17 | 127.30 | 680.00 | 32 |
| 33 | 44,800 | 134.19 | 0.08 | 0.31 | 127.30 | 680.00 | 33 |
| 34 | 44,800 | 134.26 | 0.07 | 0.34 | 127.30 | 680.00 | 34 |
| 35 | 44,800 | 134.52 | 0.27 | 0.44 | 127.30 | 680.00 | 35 |
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10-YEAR Q POLECAT

SUMMARY PRINTOUT

| LINE NO | SECNO | STCHL | STCHR | SSTA | ENDST | TOPWD | LINE NO |
|---------|----------|---------|---------|---------|---------|---------|---------|
| 1 | | | | | | | 1 |
| 2 | | | | | | | 2 |
| 3 | | | | | | | 3 |
| 4 | | | | | | | 4 |
| 5 | 2,500 | 150.00 | 190.00 | 150.00 | 190.00 | 40.00 | 5 |
| 6 | 2,500 | 150.00 | 190.00 | 150.00 | 785.00 | 131.67 | 6 |
| 7 | 2,500 | 190.00 | 190.00 | 116.50 | 831.25 | 440.46 | 7 |
| 8 | 2,500 | 190.00 | 190.00 | 36.00 | 1069.50 | 1033.50 | 8 |
| 9 | | | | | | | 9 |
| 10 | 9,000 | 110.00 | 340.00 | 73.06 | 353.47 | 280.41 | 10 |
| 11 | 9,000 | 110.00 | 340.00 | 66.66 | 355.84 | 289.18 | 11 |
| 12 | 9,000 | 110.00 | 340.00 | 61.69 | 357.08 | 295.39 | 12 |
| 13 | 9,000 | 110.00 | 340.00 | 35.25 | 422.46 | 343.57 | 13 |
| 14 | | | | | | | 14 |
| 15 | 12,000 | 110.00 | 340.00 | 72.95 | 353.52 | 280.57 | 15 |
| 16 | 12,000 | 110.00 | 340.00 | 66.43 | 355.89 | 289.46 | 16 |
| 17 | 12,000 | 110.00 | 340.00 | 61.36 | 357.16 | 295.80 | 17 |
| 18 | 12,000 | 110.00 | 340.00 | 34.85 | 423.51 | 345.33 | 18 |
| 19 | | | | | | | 19 |
| 20 | * 13,300 | 165.00 | 177.00 | 80.10 | 275.55 | 195.45 | 20 |
| 21 | * 13,300 | 165.00 | 177.00 | 63.58 | 348.25 | 284.68 | 21 |
| 22 | * 13,300 | 165.00 | 177.00 | 55.66 | 343.09 | 327.43 | 22 |
| 23 | * 13,300 | 165.00 | 177.00 | 43.61 | 433.09 | 389.48 | 23 |
| 24 | | | | | | | 24 |
| 25 | 13,500 | 165.00 | 177.00 | 52.38 | 397.52 | 345.13 | 25 |
| 26 | 13,500 | 165.00 | 177.00 | 42.55 | 435.43 | 392.88 | 26 |
| 27 | 13,500 | 165.00 | 177.00 | 41.05 | 438.78 | 397.73 | 27 |
| 28 | 13,500 | 165.00 | 177.00 | 34.50 | 453.33 | 418.82 | 28 |
| 29 | | | | | | | 29 |
| 30 | 16,000 | 90.00 | 102.00 | 42.79 | 541.23 | 498.44 | 30 |
| 31 | 16,000 | 90.00 | 102.00 | 37.38 | 567.67 | 530.08 | 31 |
| 32 | 16,000 | 90.00 | 102.00 | 35.91 | 576.18 | 540.27 | 32 |
| 33 | 16,000 | 90.00 | 102.00 | 28.55 | 613.53 | 584.98 | 33 |
| 34 | | | | | | | 34 |
| 35 | 17,400 | 492.00 | 507.00 | 492.17 | 507.00 | 14.83 | 35 |
| 36 | * 17,400 | 492.00 | 507.00 | 451.49 | 828.20 | 376.71 | 36 |
| 37 | * 17,400 | 492.00 | 507.00 | 451.36 | 828.49 | 377.13 | 37 |
| 38 | 17,400 | 492.00 | 507.00 | 439.68 | 814.30 | 404.62 | 38 |
| 39 | | | | | | | 39 |
| 40 | 18,200 | 493.00 | 507.00 | 493.00 | 507.00 | 14.00 | 40 |
| 41 | 18,200 | 493.00 | 507.00 | 432.57 | 749.14 | 316.57 | 41 |
| 42 | 18,200 | 493.00 | 507.00 | 432.59 | 749.09 | 316.50 | 42 |
| 43 | 18,200 | 493.00 | 507.00 | 428.36 | 761.53 | 333.16 | 43 |
| 44 | | | | | | | 44 |
| 45 | 19,000 | 493.00 | 507.00 | 429.12 | 759.32 | 330.20 | 45 |
| 46 | 19,000 | 493.00 | 507.00 | 431.27 | 752.96 | 321.69 | 46 |
| 47 | 19,000 | 493.00 | 507.00 | 431.01 | 753.73 | 322.72 | 47 |
| 48 | 19,000 | 493.00 | 507.00 | 425.63 | 769.57 | 343.93 | 48 |
| 49 | | | | | | | 49 |
| 50 | 24,800 | 442.00 | 457.00 | 299.57 | 617.71 | 318.14 | 50 |
| 51 | 24,800 | 442.00 | 457.00 | 287.29 | 618.75 | 331.46 | 51 |
| 52 | 24,800 | 442.00 | 457.00 | 279.52 | 619.42 | 339.90 | 52 |
| 53 | 24,800 | 442.00 | 457.00 | 239.72 | 622.81 | 383.09 | 53 |
| 54 | | | | | | | 54 |
| 55 | 29,800 | 1390.00 | 1413.00 | 1390.49 | 1413.00 | 22.51 | 55 |
| 56 | 29,800 | 1390.00 | 1413.00 | 1390.00 | 1413.00 | 23.00 | 56 |
| 57 | 29,800 | 1390.00 | 1413.00 | 1390.00 | 1413.00 | 23.00 | 57 |
| | * 29,800 | 1390.00 | 1413.00 | 1390.00 | 1413.00 | 23.00 | |

| | SECNO | STCHL | STCHR | SSTA | ENDB1 | TOPWID | |
|----|--------|---------|---------|--------|---------|---------|----|
| 1 | | | | | | | 1 |
| 2 | 31,500 | 1391,00 | 1411,00 | 361,41 | 1939,95 | 1578,54 | 2 |
| 3 | 31,500 | 1391,00 | 1411,00 | 344,62 | 1956,37 | 1611,75 | 3 |
| 4 | 31,500 | 1391,00 | 1411,00 | 338,52 | 1962,34 | 1623,82 | 4 |
| 5 | 31,500 | 1391,00 | 1411,00 | 311,07 | 1989,17 | 1678,10 | 5 |
| 6 | | | | | | | 6 |
| 7 | 37,200 | 1145,00 | 1150,00 | 394,94 | 1433,94 | 1041,00 | 7 |
| 8 | 37,200 | 1145,00 | 1150,00 | 410,41 | 1431,00 | 1020,58 | 8 |
| 9 | 37,200 | 1145,00 | 1150,00 | 404,02 | 1433,04 | 1020,02 | 9 |
| 10 | 37,200 | 1145,00 | 1150,00 | 373,98 | 1442,64 | 1068,65 | 10 |
| 11 | | | | | | | 11 |
| 12 | 38,000 | 1145,00 | 1150,00 | 262,45 | 1550,00 | 1287,55 | 12 |
| 13 | 38,000 | 1145,00 | 1150,00 | 279,21 | 1550,00 | 1270,79 | 13 |
| 14 | 38,000 | 1145,00 | 1150,00 | 269,94 | 1550,00 | 1280,06 | 14 |
| 15 | 38,000 | 1145,00 | 1150,00 | 227,01 | 1550,00 | 1322,99 | 15 |
| 16 | | | | | | | 16 |
| 17 | 44,800 | 1089,00 | 1111,00 | 666,73 | 2550,00 | 1133,48 | 17 |
| 18 | 44,800 | 1089,00 | 1111,00 | 647,24 | 2550,00 | 1358,90 | 18 |
| 19 | 44,800 | 1089,00 | 1111,00 | 630,59 | 2550,00 | 1548,05 | 19 |
| 20 | 44,800 | 1089,00 | 1111,00 | 422,47 | 2550,00 | 2127,53 | 20 |
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| 57 | | | | | | | 57 |

10-YEAR Q POLECAT

| 1 | SUMMARY PRINTOUT | | | | | | | | 1 |
|----|------------------|--------|--------|--------|--------|--------|--------|---------|----|
| 2 | SECNO | CHSEL | KRATIO | K*CHSL | DIFWSP | ELTRD | ELLC | AREA | 2 |
| 3 | | | | | | | | | 3 |
| 4 | | | | | | | | | 4 |
| 5 | 2,500 | 125.30 | 0. | 0. | 0. | 0. | 0. | 132.00 | 5 |
| 6 | 2,500 | 125.90 | 0. | 0. | 0.60 | 0. | 0. | 178.92 | 6 |
| 7 | 2,500 | 126.30 | 0. | 0. | 0.40 | 0. | 0. | 286.07 | 7 |
| 8 | 2,500 | 128.20 | 0. | 0. | 1.90 | 0. | 0. | 1915.85 | 8 |
| 9 | | | | | | | | | 9 |
| 10 | 9,000 | 125.59 | 7.78 | 0. | 0. | 0. | 0. | 924.57 | 10 |
| 11 | 9,000 | 126.22 | 7.77 | 0. | 0.63 | 0. | 0. | 1103.98 | 11 |
| 12 | 9,000 | 126.56 | 6.92 | 0. | 0.34 | 0. | 0. | 1200.78 | 12 |
| 13 | 9,000 | 128.24 | 2.15 | 0. | 1.68 | 0. | 0. | 1726.56 | 13 |
| 14 | | | | | | | | | 14 |
| 15 | 12,000 | 125.61 | 1.01 | 0. | 0. | 0. | 0. | 928.76 | 15 |
| 16 | 12,000 | 126.24 | 1.01 | 0. | 0.63 | 0. | 0. | 1108.36 | 16 |
| 17 | 12,000 | 126.58 | 1.01 | 0. | 0.34 | 0. | 0. | 1207.25 | 17 |
| 18 | 12,000 | 128.25 | 1.01 | 0. | 1.67 | 0. | 0. | 1733.40 | 18 |
| 19 | | | | | | | | | 19 |
| 20 | * 13,300 | 127.39 | 0.07 | 0. | 0. | 0. | 0. | 128.83 | 20 |
| 21 | * 13,300 | 127.68 | 0.07 | 0. | 0.29 | 0. | 0. | 197.81 | 21 |
| 22 | * 13,300 | 127.81 | 0.07 | 0. | 0.14 | 0. | 0. | 239.95 | 22 |
| 23 | * 13,300 | 128.06 | 0.05 | 0. | 0.25 | 0. | 0. | 329.93 | 23 |
| 24 | | | | | | | | | 24 |
| 25 | 13,500 | 127.88 | 1.69 | 0. | 0. | 0. | 0. | 259.13 | 25 |
| 26 | 13,500 | 128.11 | 1.68 | 0. | 0.23 | 0. | 0. | 348.27 | 26 |
| 27 | 13,500 | 128.18 | 1.57 | 0. | 0.07 | 0. | 0. | 374.73 | 27 |
| 28 | 13,500 | 128.47 | 1.65 | 0. | 0.29 | 0. | 0. | 493.51 | 28 |
| 29 | | | | | | | | | 29 |
| 30 | 16,000 | 128.10 | 6.56 | -4.00 | 0. | 0. | 0. | 1098.31 | 30 |
| 31 | 16,000 | 128.33 | 5.63 | -4.00 | 0.23 | 0. | 0. | 1217.27 | 31 |
| 32 | 16,000 | 128.40 | 5.39 | -4.00 | 0.07 | 0. | 0. | 1257.13 | 32 |
| 33 | 16,000 | 128.73 | 4.58 | -4.00 | 0.33 | 0. | 0. | 1441.02 | 33 |
| 34 | | | | | | | | | 34 |
| 35 | 17,400 | 127.26 | 0.06 | 8.57 | 0. | 0. | 0. | 48.61 | 35 |
| 36 | * 17,400 | 128.56 | 0.43 | 8.57 | 1.30 | 0. | 0. | 629.12 | 36 |
| 37 | * 17,400 | 128.56 | 0.42 | 8.57 | 0.00 | 0. | 0. | 630.52 | 37 |
| 38 | 17,400 | 128.76 | 0.41 | 8.57 | 0.20 | 0. | 0. | 710.16 | 38 |
| 39 | | | | | | | | | 39 |
| 40 | 18,200 | 127.45 | 1.20 | 7.50 | 0. | 128.00 | 124.90 | 52.91 | 40 |
| 41 | 18,200 | 128.55 | 0.90 | 7.50 | 1.10 | 128.00 | 124.90 | 553.25 | 41 |
| 42 | 18,200 | 128.55 | 0.90 | 7.50 | -0.00 | 128.00 | 124.90 | 553.00 | 42 |
| 43 | 18,200 | 128.74 | 0.87 | 7.50 | 0.19 | 128.00 | 124.90 | 614.01 | 43 |
| 44 | | | | | | | | | 44 |
| 45 | 19,000 | 128.71 | 6.60 | 0. | 0. | 0. | 0. | 602.94 | 45 |
| 46 | 19,000 | 128.62 | 1.04 | 0. | -0.09 | 0. | 0. | 571.68 | 46 |
| 47 | 19,000 | 128.63 | 1.05 | 0. | 0.01 | 0. | 0. | 575.41 | 47 |
| 48 | 19,000 | 128.87 | 1.08 | 0. | 0.24 | 0. | 0. | 655.12 | 48 |
| 49 | | | | | | | | | 49 |
| 50 | 24,800 | 129.03 | 0.62 | 3.10 | 0. | 0. | 0. | 457.30 | 50 |
| 51 | 24,800 | 129.17 | 0.75 | 3.10 | 0.14 | 0. | 0. | 502.61 | 51 |
| 52 | 24,800 | 129.26 | 0.80 | 3.10 | 0.09 | 0. | 0. | 532.26 | 52 |
| 53 | 24,800 | 129.71 | 0.97 | 3.10 | 0.45 | 0. | 0. | 695.75 | 53 |
| 54 | | | | | | | | | 54 |
| 55 | 29,800 | 129.74 | 0.24 | 0. | 0. | 0. | 0. | 61.97 | 55 |
| 56 | 29,800 | 130.09 | 0.26 | 0. | 0.35 | 0. | 0. | 70.00 | 56 |
| 57 | 29,800 | 130.17 | 0.25 | 0. | 0.08 | 0. | 0. | 71.83 | 57 |
| | * 29,800 | 130.73 | 0.23 | 0. | 0.56 | 0. | 0. | 84.85 | 58 |

10-YEAR Q POLECAT

SUMMARY PRINTOUT

| LINE NO | SECNO | CHSEL | Q | QLOB | VLOB | QCH | VCH | QROB | VROB | DEPTH | QLOBX | QCHX | QROBX |
|---------|--------|--------|--------|--------|------|--------|-------|--------|------|-------|-------|--------|-------|
| 5 | 2,500 | 125,30 | 440.00 | 0. | 0. | 440.00 | 3.33 | 0. | 0. | 3.30 | 0. | 100.00 | 0. |
| 6 | 2,500 | 125,90 | 580.00 | 0. | 0. | 569.23 | 3.65 | 10.77 | 0.47 | 3.90 | 0. | 98.14 | 1.86 |
| 7 | 2,500 | 126,30 | 640.00 | 3.33 | 0.42 | 576.59 | 3.35 | 60.07 | 0.57 | 4.30 | 0.52 | 90.09 | 9.39 |
| 8 | 2,500 | 126,20 | 940.00 | 52.93 | 0.35 | 279.59 | 1.13 | 607.48 | 0.40 | 6.20 | 5.63 | 29.74 | 64.63 |
| 10 | 9,000 | 125,59 | 440.00 | 19.89 | 0.27 | 414.77 | 0.50 | 5.34 | 0.22 | 3.59 | 4.52 | 94.26 | 1.21 |
| 11 | 9,000 | 126,22 | 580.00 | 29.95 | 0.30 | 541.85 | 0.56 | 8.20 | 0.25 | 4.22 | 5.16 | 93.42 | 1.41 |
| 12 | 9,000 | 126,56 | 640.00 | 35.23 | 0.31 | 595.05 | 0.57 | 9.72 | 0.25 | 4.56 | 5.51 | 92.98 | 1.52 |
| 13 | 9,000 | 128,24 | 940.00 | 67.99 | 0.31 | 852.68 | 0.59 | 19.13 | 0.26 | 6.24 | 7.23 | 90.73 | 2.03 |
| 15 | 12,000 | 125,61 | 440.00 | 19.96 | 0.27 | 414.68 | 0.50 | 5.36 | 0.22 | 3.61 | 4.54 | 94.24 | 1.22 |
| 16 | 12,000 | 126,24 | 580.00 | 30.04 | 0.30 | 541.73 | 0.56 | 8.23 | 0.24 | 4.24 | 5.18 | 93.40 | 1.42 |
| 17 | 12,000 | 126,58 | 640.00 | 35.38 | 0.31 | 594.87 | 0.57 | 9.76 | 0.25 | 4.58 | 5.53 | 92.95 | 1.52 |
| 18 | 12,000 | 128,25 | 940.00 | 68.20 | 0.31 | 852.60 | 0.59 | 19.19 | 0.25 | 6.25 | 7.26 | 90.70 | 2.04 |
| 20 | 13,300 | 127,39 | 440.00 | 108.73 | 1.81 | 316.53 | 6.37 | 14.73 | 0.77 | 5.39 | 24.71 | 71.94 | 3.39 |
| 21 | 13,300 | 127,68 | 580.00 | 173.80 | 2.00 | 343.76 | 6.47 | 62.44 | 1.08 | 5.68 | 29.97 | 59.27 | 10.77 |
| 22 | 13,300 | 127,81 | 640.00 | 202.02 | 2.00 | 341.43 | 6.23 | 96.55 | 1.15 | 5.81 | 31.57 | 53.35 | 15.09 |
| 23 | 13,300 | 128,06 | 940.00 | 313.37 | 2.41 | 406.00 | 7.03 | 220.63 | 1.55 | 6.06 | 33.34 | 43.19 | 23.47 |
| 25 | 13,500 | 127,88 | 440.00 | 141.12 | 1.31 | 224.42 | 4.05 | 74.46 | 0.77 | 5.88 | 32.07 | 51.01 | 16.92 |
| 26 | 13,500 | 128,11 | 580.00 | 194.81 | 1.44 | 239.05 | 4.10 | 146.15 | 0.95 | 6.11 | 33.59 | 41.22 | 25.20 |
| 27 | 13,500 | 128,18 | 640.00 | 216.77 | 1.51 | 247.27 | 4.18 | 175.96 | 1.02 | 6.18 | 33.87 | 38.64 | 27.49 |
| 28 | 13,500 | 128,47 | 940.00 | 323.88 | 1.79 | 282.18 | 4.51 | 333.94 | 1.34 | 6.47 | 34.45 | 30.02 | 35.53 |
| 30 | 16,000 | 128,10 | 440.00 | 10.80 | 0.22 | 50.64 | 0.72 | 378.56 | 0.39 | 7.10 | 2.46 | 11.51 | 86.04 |
| 31 | 16,000 | 128,33 | 580.00 | 17.06 | 0.28 | 61.72 | 0.85 | 501.22 | 0.46 | 7.33 | 2.94 | 10.64 | 86.42 |
| 32 | 16,000 | 128,40 | 640.00 | 19.77 | 0.30 | 66.49 | 0.90 | 553.73 | 0.50 | 7.40 | 3.09 | 10.39 | 86.52 |
| 33 | 16,000 | 128,73 | 940.00 | 34.88 | 0.42 | 88.49 | 1.14 | 816.63 | 0.64 | 7.73 | 3.71 | 9.41 | 86.88 |
| 35 | 17,400 | 127,26 | 440.00 | 0. | 0. | 440.00 | 9.05 | 0. | 0. | 5.06 | 0. | 100.00 | 0. |
| 36 | 17,400 | 128,56 | 580.00 | 8.79 | 0.37 | 127.39 | 1.87 | 443.82 | 0.83 | 6.36 | 1.52 | 21.96 | 76.52 |
| 37 | 17,400 | 128,56 | 640.00 | 9.75 | 0.41 | 140.34 | 2.06 | 489.90 | 0.91 | 6.36 | 1.52 | 21.93 | 76.55 |
| 38 | 17,400 | 128,76 | 940.00 | 20.14 | 0.61 | 189.33 | 2.66 | 730.53 | 1.21 | 6.56 | 2.14 | 20.14 | 77.72 |
| 40 | 18,200 | 127,45 | 440.00 | 0. | 0. | 440.00 | 8.32 | 0. | 0. | 4.65 | 0. | 100.00 | 0. |
| 41 | 18,200 | 128,55 | 580.00 | 57.61 | 0.66 | 157.70 | 2.31 | 364.68 | 0.92 | 5.75 | 9.93 | 27.19 | 62.88 |
| 42 | 18,200 | 128,55 | 640.00 | 63.56 | 0.73 | 174.07 | 2.55 | 402.37 | 1.01 | 5.75 | 9.93 | 27.20 | 62.87 |
| 43 | 18,200 | 128,74 | 940.00 | 98.16 | 0.99 | 239.26 | 3.38 | 602.57 | 1.36 | 5.94 | 10.44 | 25.45 | 64.10 |
| 45 | 19,000 | 128,71 | 440.00 | 45.57 | 0.47 | 113.29 | 1.61 | 281.14 | 0.65 | 5.91 | 10.36 | 25.75 | 63.90 |
| 46 | 19,000 | 128,62 | 580.00 | 58.56 | 0.64 | 154.46 | 2.24 | 366.98 | 0.89 | 5.82 | 10.10 | 26.63 | 63.27 |
| 47 | 19,000 | 128,63 | 640.00 | 64.83 | 0.71 | 169.73 | 2.45 | 405.44 | 0.98 | 5.83 | 10.13 | 26.52 | 63.35 |
| 48 | 19,000 | 128,87 | 940.00 | 101.00 | 0.94 | 229.69 | 3.17 | 609.31 | 1.28 | 6.07 | 10.74 | 24.44 | 64.82 |
| 50 | 24,800 | 129,03 | 440.00 | 92.93 | 0.64 | 116.22 | 2.03 | 230.85 | 0.90 | 4.43 | 21.12 | 26.41 | 52.47 |
| 51 | 24,800 | 129,17 | 580.00 | 126.88 | 0.77 | 143.99 | 2.43 | 309.13 | 1.11 | 4.57 | 21.88 | 24.83 | 53.30 |
| 52 | 24,800 | 129,26 | 640.00 | 143.10 | 0.80 | 153.10 | 2.52 | 343.80 | 1.18 | 4.66 | 22.36 | 23.92 | 53.72 |
| 53 | 24,800 | 129,71 | 940.00 | 233.74 | 0.89 | 190.07 | 2.82 | 516.19 | 1.41 | 5.11 | 24.87 | 20.22 | 54.91 |
| 55 | 29,800 | 129,74 | 440.00 | 0. | 0. | 440.00 | 7.10 | 0. | 0. | 5.14 | 0. | 100.00 | 0. |
| 56 | 29,800 | 130,09 | 580.00 | 0. | 0. | 580.00 | 8.29 | 0. | 0. | 5.49 | 0. | 100.00 | 0. |
| 57 | 29,800 | 130,17 | 640.00 | 0. | 0. | 640.00 | 8.91 | 0. | 0. | 5.57 | 0. | 100.00 | 0. |
| 57 | 29,800 | 130,73 | 940.00 | 0. | 0. | 940.00 | 11.08 | 0. | 0. | 6.13 | 0. | 100.00 | 0. |

10-YEAR 0 POLECAT

SUMMARY PRINTOUT

| 1 | SECNO | CHSEL | VOL | K*XL | K*YCH | K*XNR | .01K | STCHL | STCHR | SSTA | ENDST | TOPWID |
|----|----------|--------|-------|-------|-------|-------|---------|---------|---------|---------|---------|---------|
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | 2,500 | 125.30 | 0. | 70.00 | 50.00 | 70.00 | 78.54 | 150.00 | 190.00 | 150.00 | 190.00 | 40.00 |
| 6 | 2,500 | 125.90 | 0. | 70.00 | 50.00 | 70.00 | 103.94 | 150.00 | 190.00 | 150.00 | 785.00 | 131.67 |
| 7 | 2,500 | 126.30 | 0. | 70.00 | 50.00 | 70.00 | 132.87 | 150.00 | 190.00 | 116.50 | 831.25 | 440.46 |
| 8 | 2,500 | 128.20 | 0. | 70.00 | 50.00 | 70.00 | 740.65 | 150.00 | 190.00 | 36.00 | 1069.50 | 1033.50 |
| 9 | | | | | | | | | | | | |
| 10 | 9,000 | 125.59 | 7.79 | 70.00 | 50.00 | 70.00 | 610.86 | 110.00 | 340.00 | 73.06 | 353.47 | 280.41 |
| 11 | 9,000 | 126.22 | 9.35 | 70.00 | 50.00 | 70.00 | 807.29 | 110.00 | 340.00 | 66.66 | 355.84 | 289.18 |
| 12 | 9,000 | 126.56 | 10.51 | 70.00 | 50.00 | 70.00 | 919.43 | 110.00 | 340.00 | 61.69 | 357.08 | 295.39 |
| 13 | 9,000 | 128.24 | 20.79 | 70.00 | 50.00 | 70.00 | 1942.37 | 110.00 | 340.00 | 35.25 | 422.46 | 343.57 |
| 14 | | | | | | | | | | | | |
| 15 | 12,000 | 125.61 | 14.17 | 70.00 | 50.00 | 70.00 | 615.23 | 110.00 | 340.00 | 72.95 | 353.52 | 280.57 |
| 16 | 12,000 | 126.24 | 16.96 | 70.00 | 50.00 | 70.00 | 812.29 | 110.00 | 340.00 | 66.43 | 355.89 | 289.46 |
| 17 | 12,000 | 126.58 | 18.80 | 70.00 | 50.00 | 70.00 | 927.60 | 110.00 | 340.00 | 61.36 | 357.16 | 295.80 |
| 18 | 12,000 | 128.25 | 32.70 | 70.00 | 50.00 | 70.00 | 1601.37 | 110.00 | 340.00 | 34.85 | 423.51 | 345.33 |
| 19 | | | | | | | | | | | | |
| 20 | * 13,300 | 127.39 | 15.75 | 70.00 | 50.00 | 70.00 | 40.89 | 165.00 | 177.00 | 80.10 | 275.55 | 195.45 |
| 21 | * 13,300 | 127.68 | 18.91 | 70.00 | 50.00 | 70.00 | 55.51 | 165.00 | 177.00 | 63.58 | 348.25 | 284.68 |
| 22 | * 13,300 | 127.81 | 20.96 | 70.00 | 50.00 | 70.00 | 64.90 | 165.00 | 177.00 | 55.66 | 383.09 | 327.43 |
| 23 | * 13,300 | 128.06 | 35.78 | 70.00 | 50.00 | 70.00 | 87.52 | 165.00 | 177.00 | 43.61 | 433.09 | 389.48 |
| 24 | | | | | | | | | | | | |
| 25 | 13,500 | 127.88 | 15.84 | 70.00 | 50.00 | 70.00 | 69.30 | 165.00 | 177.00 | 52.38 | 397.52 | 345.13 |
| 26 | 13,500 | 128.11 | 19.04 | 70.00 | 50.00 | 70.00 | 93.21 | 165.00 | 177.00 | 42.55 | 435.43 | 392.88 |
| 27 | 13,500 | 128.18 | 21.10 | 70.00 | 50.00 | 70.00 | 101.73 | 165.00 | 177.00 | 41.05 | 438.78 | 397.73 |
| 28 | 13,500 | 128.47 | 35.97 | 70.00 | 50.00 | 70.00 | 144.07 | 165.00 | 177.00 | 34.50 | 453.33 | 418.82 |
| 29 | | | | | | | | | | | | |
| 30 | 16,000 | 128.10 | 19.73 | 70.00 | 50.00 | 70.00 | 454.66 | 90.00 | 102.00 | 42.79 | 541.23 | 498.44 |
| 31 | 16,000 | 128.33 | 23.53 | 70.00 | 50.00 | 70.00 | 524.57 | 90.00 | 102.00 | 37.58 | 567.67 | 530.08 |
| 32 | 16,000 | 128.40 | 25.79 | 70.00 | 50.00 | 70.00 | 548.29 | 90.00 | 102.00 | 35.41 | 576.18 | 540.27 |
| 33 | 16,000 | 128.73 | 41.52 | 70.00 | 50.00 | 70.00 | 659.63 | 90.00 | 102.00 | 28.55 | 613.53 | 584.98 |
| 34 | | | | | | | | | | | | |
| 35 | 17,400 | 127.26 | 21.57 | 70.00 | 50.00 | 70.00 | 28.78 | 492.00 | 507.00 | 492.17 | 507.00 | 14.83 |
| 36 | * 17,400 | 128.56 | 26.50 | 70.00 | 50.00 | 70.00 | 228.02 | 492.00 | 507.00 | 451.49 | 828.20 | 376.71 |
| 37 | * 17,400 | 128.56 | 28.82 | 70.00 | 50.00 | 70.00 | 228.67 | 492.00 | 507.00 | 451.36 | 828.49 | 377.13 |
| 38 | 17,400 | 128.76 | 44.98 | 70.00 | 50.00 | 70.00 | 267.90 | 492.00 | 507.00 | 439.68 | 844.30 | 404.62 |
| 39 | | | | | | | | | | | | |
| 40 | 18,200 | 127.45 | 21.67 | 90.00 | 50.00 | 70.00 | 34.65 | 493.00 | 507.00 | 493.00 | 507.00 | 14.00 |
| 41 | 18,200 | 128.59 | 27.58 | 90.00 | 50.00 | 70.00 | 205.46 | 493.00 | 507.00 | 432.57 | 749.14 | 316.57 |
| 42 | 18,200 | 128.55 | 29.91 | 90.00 | 50.00 | 70.00 | 205.35 | 493.00 | 507.00 | 432.59 | 749.09 | 316.50 |
| 43 | 18,200 | 128.74 | 46.19 | 90.00 | 50.00 | 70.00 | 233.71 | 493.00 | 507.00 | 428.38 | 761.53 | 333.16 |
| 44 | | | | | | | | | | | | |
| 45 | 19,000 | 128.71 | 22.27 | 90.00 | 50.00 | 70.00 | 228.50 | 493.00 | 507.00 | 429.12 | 759.32 | 330.20 |
| 46 | 19,000 | 128.62 | 28.62 | 90.00 | 50.00 | 70.00 | 213.44 | 493.00 | 507.00 | 431.27 | 752.96 | 321.69 |
| 47 | 19,000 | 128.63 | 30.94 | 90.00 | 50.00 | 70.00 | 215.67 | 493.00 | 507.00 | 431.01 | 753.73 | 322.72 |
| 48 | 19,000 | 128.87 | 47.36 | 90.00 | 50.00 | 70.00 | 253.27 | 493.00 | 507.00 | 425.63 | 769.57 | 343.93 |
| 49 | | | | | | | | | | | | |
| 50 | 24,800 | 129.03 | 29.33 | 90.00 | 50.00 | 70.00 | 142.46 | 442.00 | 457.00 | 299.57 | 617.71 | 318.14 |
| 51 | 24,800 | 129.17 | 35.77 | 90.00 | 50.00 | 70.00 | 160.91 | 442.00 | 457.00 | 287.29 | 618.75 | 331.46 |
| 52 | 24,800 | 129.26 | 38.32 | 90.00 | 50.00 | 70.00 | 173.24 | 442.00 | 457.00 | 279.52 | 619.42 | 339.90 |
| 53 | 24,800 | 129.71 | 56.35 | 90.00 | 50.00 | 70.00 | 244.56 | 442.00 | 457.00 | 239.72 | 622.81 | 383.09 |
| 54 | | | | | | | | | | | | |
| 55 | 29,800 | 129.74 | 32.31 | 90.00 | 50.00 | 70.00 | 34.13 | 1390.00 | 1413.00 | 1390.49 | 1413.00 | 22.51 |
| 56 | 29,800 | 130.09 | 39.05 | 90.00 | 50.00 | 70.00 | 41.15 | 1390.00 | 1413.00 | 1390.00 | 1413.00 | 23.00 |
| 57 | 29,800 | 130.17 | 41.78 | 90.00 | 50.00 | 70.00 | 42.91 | 1390.00 | 1413.00 | 1390.00 | 1413.00 | 23.00 |
| 58 | * 29,800 | 130.73 | 60.83 | 90.00 | 50.00 | 70.00 | 56.22 | 1390.00 | 1413.00 | 1390.00 | 1413.00 | 23.00 |

| | SECNO | CWSEL | VOL | K*XL | K*YCH | K*YNR | .01K | BTCHL | STCHR | SSTA | ENDST | TOPWTD |
|----|----------------|--------|----------|-------|-------------------------------------|-------|---------|---------|---------|--------|---------|---------|
| 1 | | | | | | | | | | | | |
| 2 | 31,500 | 133.73 | 38.30 | 90.00 | 50.00 | 70.00 | 985.42 | 1391.00 | 1411.00 | 361.41 | 1939.95 | 1578.54 |
| 3 | 31,500 | 133.80 | 45.29 | 90.00 | 50.00 | 70.00 | 1035.07 | 1391.00 | 1411.00 | 344.62 | 1956.37 | 1611.75 |
| 4 | 31,500 | 133.83 | 48.11 | 90.00 | 50.00 | 70.00 | 1053.51 | 1391.00 | 1411.00 | 338.52 | 1962.34 | 1623.82 |
| 5 | 31,500 | 133.95 | 67.58 | 90.00 | 50.00 | 70.00 | 1139.09 | 1391.00 | 1411.00 | 311.07 | 1989.17 | 1678.10 |
| 6 | | | | | | | | | | | | |
| 7 | * 37,200 | 133.92 | 66.20 | 90.00 | 50.00 | 70.00 | 337.87 | 1145.00 | 1150.00 | 394.94 | 1435.94 | 1041.00 |
| 8 | 37,200 | 133.84 | 73.42 | 90.00 | 50.00 | 70.00 | 311.95 | 1145.00 | 1150.00 | 410.41 | 1431.00 | 1020.58 |
| 9 | 37,200 | 133.87 | 76.76 | 90.00 | 50.00 | 70.00 | 322.49 | 1145.00 | 1150.00 | 404.02 | 1433.04 | 1029.02 |
| 10 | 37,200 | 134.03 | 98.62 | 90.00 | 50.00 | 70.00 | 375.25 | 1145.00 | 1150.00 | 373.98 | 1442.64 | 1068.65 |
| 11 | | | | | | | | | | | | |
| 12 | 38,000 | 133.95 | 68.82 | 90.00 | 50.00 | 70.00 | 396.22 | 1145.00 | 1150.00 | 262.45 | 1550.00 | 1287.55 |
| 13 | 38,000 | 133.88 | 75.89 | 90.00 | 50.00 | 70.00 | 368.44 | 1145.00 | 1150.00 | 279.21 | 1550.00 | 1270.79 |
| 14 | 38,000 | 133.92 | 79.29 | 90.00 | 50.00 | 70.00 | 383.67 | 1145.00 | 1150.00 | 269.94 | 1550.00 | 1280.06 |
| 15 | 38,000 | 134.09 | 101.52 | 90.00 | 50.00 | 70.00 | 458.71 | 1145.00 | 1150.00 | 227.01 | 1550.00 | 1322.99 |
| 16 | | | | | | | | | | | | |
| 17 | 44,800 | 134.12 | 86.50 | 90.00 | 50.00 | 70.00 | 138.06 | 1089.00 | 1111.00 | 666.73 | 2550.00 | 1133.48 |
| 18 | 44,800 | 134.19 | 93.65 | 90.00 | 50.00 | 70.00 | 154.88 | 1089.00 | 1111.00 | 647.24 | 2550.00 | 1358.90 |
| 19 | 44,800 | 134.26 | 98.17 | 90.00 | 50.00 | 70.00 | 171.37 | 1089.00 | 1111.00 | 630.59 | 2550.00 | 1548.05 |
| 20 | 44,800 | 134.52 | 126.09 | 90.00 | 50.00 | 70.00 | 272.36 | 1089.00 | 1111.00 | 422.47 | 2550.00 | 2127.53 |
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| 25 | | | | | | | | | | | | |
| 26 | CAUTION SECNO# | 13,300 | PROFILE# | 1 | CRITICAL DEPTH ASSUMED | | | | | | | |
| 27 | CAUTION SECNO# | 13,300 | PROFILE# | 1 | PROBABLE MINIMUM SPECIFIC ENERGY | | | | | | | |
| 28 | CAUTION SECNO# | 13,300 | PROFILE# | 1 | 20 TRIALS ATTEMPTED TO BALANCE WSEL | | | | | | | |
| 29 | CAUTION SECNO# | 13,300 | PROFILE# | 2 | CRITICAL DEPTH ASSUMED | | | | | | | |
| 30 | CAUTION SECNO# | 13,300 | PROFILE# | 2 | PROBABLE MINIMUM SPECIFIC ENERGY | | | | | | | |
| 31 | CAUTION SECNO# | 13,300 | PROFILE# | 2 | 20 TRIALS ATTEMPTED TO BALANCE WSEL | | | | | | | |
| 32 | CAUTION SECNO# | 13,300 | PROFILE# | 3 | CRITICAL DEPTH ASSUMED | | | | | | | |
| 33 | CAUTION SECNO# | 13,300 | PROFILE# | 3 | PROBABLE MINIMUM SPECIFIC ENERGY | | | | | | | |
| 34 | CAUTION SECNO# | 13,300 | PROFILE# | 3 | 20 TRIALS ATTEMPTED TO BALANCE WSEL | | | | | | | |
| 35 | CAUTION SECNO# | 13,300 | PROFILE# | 4 | CRITICAL DEPTH ASSUMED | | | | | | | |
| 36 | CAUTION SECNO# | 13,300 | PROFILE# | 4 | PROBABLE MINIMUM SPECIFIC ENERGY | | | | | | | |
| 37 | CAUTION SECNO# | 13,300 | PROFILE# | 4 | 20 TRIALS ATTEMPTED TO BALANCE WSEL | | | | | | | |
| 38 | | | | | | | | | | | | |
| 39 | CAUTION SECNO# | 17,400 | PROFILE# | 2 | CRITICAL DEPTH ASSUMED | | | | | | | |
| 40 | CAUTION SECNO# | 17,400 | PROFILE# | 2 | PROBABLE MINIMUM SPECIFIC ENERGY | | | | | | | |
| 41 | CAUTION SECNO# | 17,400 | PROFILE# | 2 | 20 TRIALS ATTEMPTED TO BALANCE WSEL | | | | | | | |
| 42 | CAUTION SECNO# | 17,400 | PROFILE# | 3 | CRITICAL DEPTH ASSUMED | | | | | | | |
| 43 | CAUTION SECNO# | 17,400 | PROFILE# | 3 | PROBABLE MINIMUM SPECIFIC ENERGY | | | | | | | |
| 44 | CAUTION SECNO# | 17,400 | PROFILE# | 3 | 20 TRIALS ATTEMPTED TO BALANCE WSEL | | | | | | | |
| 45 | | | | | | | | | | | | |
| 46 | CAUTION SECNO# | 29,800 | PROFILE# | 4 | CRITICAL DEPTH ASSUMED | | | | | | | |
| 47 | CAUTION SECNO# | 29,800 | PROFILE# | 4 | PROBABLE MINIMUM SPECIFIC ENERGY | | | | | | | |
| 48 | CAUTION SECNO# | 29,800 | PROFILE# | 4 | 20 TRIALS ATTEMPTED TO BALANCE WSEL | | | | | | | |
| 49 | | | | | | | | | | | | |
| 50 | CAUTION SECNO# | 37,200 | PROFILE# | 1 | CRITICAL DEPTH ASSUMED | | | | | | | |
| 51 | CAUTION SECNO# | 37,200 | PROFILE# | 1 | PROBABLE MINIMUM SPECIFIC ENERGY | | | | | | | |
| 52 | CAUTION SECNO# | 37,200 | PROFILE# | 1 | 20 TRIALS ATTEMPTED TO BALANCE WSEL | | | | | | | |
| 53 | | | | | | | | | | | | |
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| 57 | | | | | | | | | | | | |

SUMMARY OF ERRORS

CAUTION SECNO# 13,300 PROFILE# 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO# 13,300 PROFILE# 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO# 13,300 PROFILE# 1 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO# 13,300 PROFILE# 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO# 13,300 PROFILE# 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO# 13,300 PROFILE# 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO# 13,300 PROFILE# 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO# 13,300 PROFILE# 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO# 13,300 PROFILE# 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO# 13,300 PROFILE# 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO# 13,300 PROFILE# 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO# 13,300 PROFILE# 4 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO# 17,400 PROFILE# 2 CRITICAL DEPTH ASSUMED
CAUTION SECNO# 17,400 PROFILE# 2 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO# 17,400 PROFILE# 2 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO# 17,400 PROFILE# 3 CRITICAL DEPTH ASSUMED
CAUTION SECNO# 17,400 PROFILE# 3 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO# 17,400 PROFILE# 3 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO# 29,800 PROFILE# 4 CRITICAL DEPTH ASSUMED
CAUTION SECNO# 29,800 PROFILE# 4 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO# 29,800 PROFILE# 4 20 TRIALS ATTEMPTED TO BALANCE WSEL
CAUTION SECNO# 37,200 PROFILE# 1 CRITICAL DEPTH ASSUMED
CAUTION SECNO# 37,200 PROFILE# 1 PROBABLE MINIMUM SPECIFIC ENERGY
CAUTION SECNO# 37,200 PROFILE# 1 20 TRIALS ATTEMPTED TO BALANCE WSEL

FIA

Polecat F/W

THIS RUN EXECUTED 09/13/78 10:34

HECR RELEASE DATED NOV 76 UPDATED AUG 1977

ERROR CORR = 01,02
MODIFICATION = 50,51,52,53

T1 LUMBERTON NC POLECAT BRANCH MEASURE WIDTHS
T2 FLOOD INSURANCE STUDY TO DELINEATE
T3 100-YEAR Q POLECAT BRANCH FLOOD AREAS

J1 ICHECK INQ NINV IDIR STRT METRIC HVINS Q WSEL FO
0. 4. 0. 0. 0. 0. 0. 0. 126,300 0.

J2 NPROF IPLGT PRFVS XSECV XSECH FN ALLOC TBW CHNIM ITRACE
1,000 0. -1,000 5,000 500,000 0. 0. 0. 0. 0.

J3 VARIABLE CODES FOR SUMMARY PRINTOUT

36,000 1,000 50,000 51,000 42,000 39,000 0. 38,000 21,000 22,000

53,000 54,000 4,000 0. 38,000 1,000 58,000 33,000 50,000 40,000

41,000 25,000 0. 38,000 1,000 43,000 13,000 55,000 14,000 26,000

19,000 56,000 8,000 35,000 60,000 59,000 0. 38,000 1,000 7,000

16,000 17,000 18,000 34,000 21,000 22,000 53,000 54,000 4,000 0.

NC 0.070 0.070 0.050 0.100 0.300 0. 0. 0. 0. 0.
QT 5,000 490,000 650,000 720,000 1050,000 720,000 0. 0. 0. 0.
ET 0. 0. 0. 0. 0. 10,400 0. 0. 0. 0.

X1 2,500 14,000 150,000 190,000 0. 0. 0. 0. 0. 0.
GR 130,000 0. 126,000 40,000 126,000 130,000 126,000 150,000 122,000 150,000
GR 122,000 190,000 126,000 190,000 126,000 200,000 126,700 500,000 126,000 680,000
GR 125,400 760,000 126,000 790,000 128,000 1065,000 130,000 1110,000 0. 0.

X1 9,000 10,000 110,000 340,000 650,000 300,000 650,000 0. 0. 0.
GR 130,000 0. 126,000 40,000 126,000 70,000 124,000 85,000 122,000 110,000
GR 122,000 340,000 130,000 370,000 130,000 385,000 128,000 410,000 130,000 515,000

X1 12,000 0. 0. 0. 300,000 300,000 300,000 0. 0. 0.
ET 0. 0. 0. 0. 0. 7,100 100,000 200,000 0. 0.

X1 13,300 9,000 165,000 177,000 130,000 130,000 130,000 0. 0. 0.
GR 130,000 0. 126,000 45,000 126,000 160,000 127,000 165,000 122,000 168,000
GR 122,000 174,000 127,000 177,000 128,000 430,000 130,000 530,000 0. 0.
ET 0. 0. 0. 0. 0. 7,100 100,000 200,000 0. 0.

| | | | | | | | | | | | | |
|----|----|---------|----------|----------|----------|---------|----------|----------|----------|---------|----------|----|
| | X1 | 13,500 | 0. | 0. | 0. | 20,000 | 20,000 | 20,000 | 0. | 0. | 0. | |
| | ET | 0. | 0. | 0. | 0. | 0. | 7,100 | 50,000 | 150,000 | 0. | 0. | |
| | X1 | 16,000 | 13,000 | 90,000 | 102,000 | 250,000 | 250,000 | 250,000 | 0. | 0. | 0. | |
| 1 | GR | 130,000 | 0. | 128,000 | 45,000 | 126,000 | 90,000 | 121,000 | 93,000 | 121,000 | 99,000 | 1 |
| 2 | GR | 126,000 | 102,000 | 126,000 | 140,000 | 124,000 | 200,000 | 124,000 | 230,000 | 126,000 | 300,000 | 2 |
| 3 | GR | 126,000 | 420,000 | 128,000 | 530,000 | 129,400 | 690,000 | 0. | 0. | 0. | 0. | 3 |
| 4 | ET | 0. | 0. | 0. | 0. | 0. | 7,100 | 460,000 | 580,000 | 0. | 0. | 4 |
| 5 | | | | | | | | | | | | 5 |
| 6 | | | | | | | | | | | | 6 |
| 7 | X1 | 17,400 | 18,000 | 492,000 | 507,000 | 140,000 | 140,000 | 140,000 | 0. | 0. | 0. | 7 |
| 8 | X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 128,500 | 128,500 | 0. | 8 |
| 9 | GR | 136,000 | 0. | 132,000 | 210,000 | 129,400 | 400,000 | 128,600 | 450,000 | 127,400 | 492,000 | 9 |
| 10 | GR | 124,000 | 496,000 | 122,200 | 500,000 | 123,500 | 504,000 | 125,600 | 507,000 | 126,700 | 550,000 | 10 |
| 11 | GR | 125,800 | 600,000 | 128,000 | 785,000 | 130,000 | 940,000 | 130,000 | 1120,000 | 128,800 | 1420,000 | 11 |
| 12 | GR | 130,000 | 1680,000 | 132,000 | 1920,000 | 133,000 | 2060,000 | 0. | 0. | 0. | 0. | 12 |
| 13 | SB | 0. | 1,500 | 3,000 | 1200,000 | 7,000 | 0. | 21,000 | 0. | 0. | 0. | 13 |
| 14 | NC | 0,090 | 0,070 | 0,050 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 14 |
| 15 | ET | 0. | 0. | 0. | 0. | 0. | 7,100 | 440,000 | 560,000 | 0. | 0. | 15 |
| 16 | | | | | | | | | | | | 16 |
| 17 | | | | | | | | | | | | 17 |
| 18 | X1 | 18,200 | 18,000 | 493,000 | 507,000 | 80,000 | 80,000 | 80,000 | 0. | 0. | 0. | 18 |
| 19 | X2 | 0. | 0. | 1,000 | 124,900 | 128,000 | 0. | 0. | 0. | 0. | 0. | 19 |
| 20 | X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 128,500 | 128,500 | 0. | 20 |
| 21 | GR | 136,000 | 0. | 132,000 | 245,000 | 130,000 | 400,000 | 128,000 | 445,000 | 125,600 | 493,000 | 21 |
| 22 | GR | 123,600 | 496,000 | 122,800 | 500,000 | 123,600 | 504,000 | 124,500 | 507,000 | 126,700 | 550,000 | 22 |
| 23 | GR | 126,300 | 600,000 | 130,000 | 845,000 | 130,200 | 985,000 | 130,000 | 1120,000 | 129,000 | 1250,000 | 23 |
| 24 | GR | 130,000 | 1710,000 | 132,000 | 1920,000 | 133,000 | 2060,000 | 0. | 0. | 0. | 0. | 24 |
| 25 | ET | 0. | 0. | 0. | 0. | 0. | 7,100 | 440,000 | 560,000 | 0. | 0. | 25 |
| 26 | | | | | | | | | | | | 26 |
| 27 | | | | | | | | | | | | 27 |
| 28 | X1 | 19,000 | 0. | 0. | 0. | 80,000 | 80,000 | 80,000 | 0. | 0. | 0. | 28 |
| 29 | ET | 0. | 0. | 0. | 0. | 0. | 7,100 | 390,000 | 510,000 | 0. | 0. | 29 |
| 30 | | | | | | | | | | | | 30 |
| 31 | | | | | | | | | | | | 31 |
| 32 | X1 | 24,800 | 15,000 | 442,000 | 457,000 | 580,000 | 580,000 | 580,000 | 0. | 0. | 0. | 32 |
| 33 | GR | 133,000 | 0. | 132,000 | 140,000 | 130,000 | 214,000 | 128,000 | 390,000 | 127,400 | 400,000 | 33 |
| 34 | GR | 126,600 | 442,000 | 124,600 | 445,000 | 125,100 | 450,000 | 124,700 | 455,000 | 127,900 | 457,000 | 34 |
| 35 | GR | 126,800 | 500,000 | 128,000 | 610,000 | 130,000 | 625,000 | 132,000 | 785,000 | 134,000 | 890,000 | 35 |
| 36 | ET | 0. | 0. | 0. | 0. | 0. | 7,100 | 1350,000 | 1450,000 | 0. | 0. | 36 |
| 37 | | | | | | | | | | | | 37 |
| 38 | | | | | | | | | | | | 38 |
| 39 | X1 | 29,800 | 12,000 | 1390,000 | 1413,000 | 500,000 | 500,000 | 500,000 | 0. | 0. | 0. | 39 |
| 40 | X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 129,000 | 129,000 | 0. | 40 |
| 41 | GR | 135,300 | 0. | 135,000 | 50,000 | 133,000 | 105,000 | 130,000 | 1320,000 | 129,800 | 1350,000 | 41 |
| 42 | GR | 130,000 | 1390,000 | 124,600 | 1400,000 | 129,100 | 1413,000 | 129,900 | 1450,000 | 129,700 | 1500,000 | 42 |
| 43 | GR | 133,000 | 1530,000 | 135,000 | 1775,000 | 0. | 0. | 0. | 0. | 0. | 0. | 43 |
| 44 | ET | 0. | 0. | 0. | 0. | 0. | 7,100 | 1450,000 | 1550,000 | 0. | 0. | 44 |
| 45 | SB | 0. | 1,500 | 3,000 | 1100,000 | 4,200 | 0. | 22,300 | 0. | 124,690 | 123,450 | 45 |
| 46 | | | | | | | | | | | | 46 |
| 47 | | | | | | | | | | | | 47 |
| 48 | X1 | 31,500 | 11,000 | 1391,000 | 1411,000 | 170,000 | 170,000 | 170,000 | 0. | 0. | 0. | 48 |
| 49 | X2 | 0. | 0. | 1,000 | 128,800 | 133,600 | 0. | 0. | 0. | 0. | 0. | 49 |
| 50 | X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,600 | 133,600 | 0. | 50 |
| 51 | GR | 135,000 | 130,000 | 134,000 | 300,000 | 132,000 | 750,000 | 130,000 | 1200,000 | 130,000 | 1300,000 | 51 |
| 52 | GR | 130,300 | 1391,000 | 125,000 | 1400,000 | 131,400 | 1411,000 | 132,000 | 1560,000 | 134,000 | 2000,000 | 52 |
| 53 | GR | 134,300 | 2150,000 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53 |
| 54 | ET | 0. | 0. | 0. | 0. | 0. | 10,400 | 0. | 0. | 0. | 0. | 54 |
| 55 | | | | | | | | | | | | 55 |
| 56 | | | | | | | | | | | | 56 |
| 57 | X1 | 37,200 | 16,000 | 1145,000 | 1150,000 | 570,000 | 570,000 | 570,000 | 0. | 0. | 0. | 57 |
| | X3 | 10,000 | 0. | 0. | 0. | 0. | 0. | 0. | 133,800 | 133,800 | 0. | |
| | GR | 135,200 | 0. | 135,000 | 190,000 | 133,000 | 570,000 | 133,000 | 600,000 | 133,600 | 730,000 | |
| | GR | 133,000 | 910,000 | 130,600 | 1100,000 | 130,700 | 1145,000 | 125,700 | 1150,000 | 131,300 | 1162,000 | |

HECS RELEASE DATED NOV 76 UPDATED AUG 1977

ERROR CORR = 01,02
MODIFICATION = 50,51,52,53

T1 LUMBERTON NC POLECAT BRANCH MEASURE WIDTHS
T2 FLOOD INSURANCE STUDY TO DELINEATE
T3 100-YEAR Q, FLOODWAY RUN FLOOD AREAS

| J1 | ICHECK | ING | NINV | IDIR | STRT | METRIC | HVINS | Q | WSEL | FG |
|----|--------|-----|------|------|------|--------|-------|----|---------|----|
| | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 127,300 | 0. |

| J2 | NPROF | IPLT | PREVS | XSECV | XSECH | FN | ALLOC | YBW | CINIM | IYRCE |
|----|--------|------|--------|-------|---------|----|-------|-----|-------|-------|
| | 15,000 | 0. | -1,000 | 5,000 | 500,000 | 0. | 0. | 0. | 0. | 0. |

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 HECB RELEASE DATED NOV 76 UPDATED AUG 1977
 ERROR CORR = 01,02
 MODIFICATION = 50,51,52,53

NOTE: ASTERISK (*) AT LEFT OF CROSS-SECTION NUMBER INDICATES MESSAGE IN SUMMARY OF ERRORS LIST

100-YEAR Q POLECAT
 SUMMARY PRINTOUT

| SECNO | CWBEL | DIPWSP | DIPWSX | ELMIN | ALCH |
|----------|---------|--------|--------|-----------|--------|
| 2,500 | 126.30 | 0. | 0. | 122.00 | 0. |
| 2,500 | -127.30 | 1.00 | 0. | 122.00 | 0. |
| 9,000 | 126.63 | 0. | 0.33 | 122.00 | 650.00 |
| 9,000 | 127.57 | 0.94 | 0.27 | 122.00 | 650.00 |
| 12,000 | 126.64 | 0. | 0.02 | 122.00 | 300.00 |
| 12,000 | 127.58 | 0.94 | 0.01 | 122.00 | 300.00 |
| * 13,300 | -127.85 | 0. | 1.21 | 122.00 | 130.00 |
| * 13,300 | 127.68 | -0.17 | 0.10 | 122.00 | 130.00 |
| 13,500 | 128.28 | 0. | 0.43 | 122.00 | 20.00 |
| 13,500 | 128.41 | 0.12 | 0.72 | 122.00 | 20.00 |
| 16,000 | 128.51 | 0. | 0.23 | 121.00 | 250.00 |
| 16,000 | 129.31 | 0.80 | 0.90 | 121.00 | 250.00 |
| 17,400 | 128.53 | 0. | 0.03 | 122.20 | 140.00 |
| 17,400 | 129.53 | 1.00 | 0.22 | 122.20 | 140.00 |
| 18,200 | 128.52 | 0. | -0.02 | 122.80 | 80.00 |
| 18,200 | -129.54 | 1.02 | 0.01 | 122.80 | 80.00 |
| 19,000 | 128.62 | 0. | 0.10 | 122.80 | 80.00 |
| 19,000 | 129.63 | 1.01 | 0.09 | 122.80 | 80.00 |
| 24,800 | 129.36 | 0. | 0.74 | 124.60 | 580.00 |
| 24,800 | -130.32 | 0.95 | 0.69 | 124.60 | 580.00 |
| 29,800 | 130.57 | 0. | 1.21 | 124.60 | 500.00 |
| 29,800 | -131.35 | 0.78 | 1.03 | 124.60 | 500.00 |
| 31,500 | 133.87 | 0. | 3.29 | 125.00 | 170.00 |
| * 31,500 | 133.88 | 0.01 | 2.53 | 100000.00 | 170.00 |
| 37,200 | 133.92 | 0. | 0.05 | 125.70 | 570.00 |
| 37,200 | 134.80 | 0.88 | 0.92 | 125.70 | 570.00 |

| | SECNO | CWBEL | DIFWSP | DIFWSX | ELMIN | XLCH | |
|----|--------|--------|--------|--------|--------|--------|----|
| 1 | | | | | | | 1 |
| 2 | 38,000 | 133.97 | 0. | 0.05 | 126.20 | 80.00 | 2 |
| 3 | 38,000 | 134.85 | 0.88 | 0.05 | 126.20 | 80.00 | 3 |
| 4 | | | | | | | 4 |
| 5 | 44,800 | 134.34 | 0. | 0.37 | 127.30 | 680.00 | 5 |
| 6 | 44,800 | 135.24 | 0.91 | 0.40 | 127.30 | 680.00 | 6 |
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100-YEAR Q POLECAT

SUMMARY PRINTOUT

| LINE NO | SECTO | STCHL | STCHR | OSTA | ENDST | TOPWID | LINE NO |
|---------|----------|---------|---------|---------|---------|---------|---------|
| 1 | | | | | | | 1 |
| 2 | | | | | | | 2 |
| 3 | | | | | | | 3 |
| 4 | | | | | | | 4 |
| 5 | 2,500 | 150.00 | 190.00 | 116.50 | 831.25 | 440.46 | 5 |
| 6 | 2,500 | 150.00 | 190.00 | 150.00 | 190.00 | 40.00 | 6 |
| 7 | | | | | | | 7 |
| 8 | 9,000 | 110.00 | 340.00 | 60.61 | 357.35 | 296.74 | 8 |
| 9 | 9,000 | 110.00 | 340.00 | 110.00 | 340.00 | 230.00 | 9 |
| 10 | | | | | | | 10 |
| 11 | 12,000 | 110.00 | 340.00 | 60.35 | 357.41 | 297.06 | 11 |
| 12 | 12,000 | 110.00 | 340.00 | 110.00 | 340.00 | 230.00 | 12 |
| 13 | | | | | | | 13 |
| 14 | * 13,300 | 165.00 | 177.00 | 53.42 | 392.95 | 339.53 | 14 |
| 15 | * 13,300 | 165.00 | 177.00 | 100.00 | 200.00 | 100.00 | 15 |
| 16 | | | | | | | 16 |
| 17 | 13,500 | 165.00 | 177.00 | 38.69 | 444.02 | 405.32 | 17 |
| 18 | 13,500 | 165.00 | 177.00 | 100.00 | 200.00 | 100.00 | 18 |
| 19 | | | | | | | 19 |
| 20 | 16,000 | 90.00 | 102.00 | 33.53 | 588.25 | 554.71 | 20 |
| 21 | 16,000 | 90.00 | 102.00 | 50.00 | 150.00 | 100.00 | 21 |
| 22 | | | | | | | 22 |
| 23 | 17,400 | 492.00 | 507.00 | 452.26 | 826.49 | 374.23 | 23 |
| 24 | 17,400 | 492.00 | 507.00 | 460.00 | 580.00 | 120.00 | 24 |
| 25 | | | | | | | 25 |
| 26 | 18,200 | 493.00 | 507.00 | 433.33 | 746.90 | 313.56 | 26 |
| 27 | 18,200 | 493.00 | 507.00 | 440.00 | 560.00 | 120.00 | 27 |
| 28 | | | | | | | 28 |
| 29 | 19,000 | 493.00 | 507.00 | 431.13 | 753.37 | 322.24 | 29 |
| 30 | 19,000 | 493.00 | 507.00 | 440.00 | 560.00 | 120.00 | 30 |
| 31 | | | | | | | 31 |
| 32 | 24,800 | 442.00 | 457.00 | 270.06 | 620.22 | 350.16 | 32 |
| 33 | 24,800 | 442.00 | 457.00 | 390.00 | 510.00 | 120.00 | 33 |
| 34 | | | | | | | 34 |
| 35 | 29,800 | 1390.00 | 1413.00 | 1087.85 | 1507.94 | 420.09 | 35 |
| 36 | 29,800 | 1390.00 | 1413.00 | 1350.00 | 1450.00 | 100.00 | 36 |
| 37 | | | | | | | 37 |
| 38 | * 31,500 | 1391.00 | 1411.00 | 329.85 | 1970.81 | 1640.96 | 38 |
| 39 | * 31,500 | 1391.00 | 1411.00 | 1450.00 | 1550.00 | 100.00 | 39 |
| 40 | | | | | | | 40 |
| 41 | 37,200 | 1145.00 | 1150.00 | 396.45 | 1435.46 | 1039.01 | 41 |
| 42 | 37,200 | 1145.00 | 1150.00 | 962.79 | 1162.51 | 199.72 | 42 |
| 43 | | | | | | | 43 |
| 44 | 38,000 | 1145.00 | 1150.00 | 257.21 | 1550.00 | 1292.79 | 44 |
| 45 | 38,000 | 1145.00 | 1150.00 | 879.93 | 1177.27 | 297.33 | 45 |
| 46 | | | | | | | 46 |
| 47 | 44,800 | 1089.00 | 1111.00 | 584.37 | 2550.00 | 1809.10 | 47 |
| 48 | 44,800 | 1089.00 | 1111.00 | 1089.00 | 1258.08 | 169.08 | 48 |
| 49 | | | | | | | 49 |
| 50 | | | | | | | 50 |
| 51 | | | | | | | 51 |
| 52 | | | | | | | 52 |
| 53 | | | | | | | 53 |
| 54 | | | | | | | 54 |
| 55 | | | | | | | 55 |
| 56 | | | | | | | 56 |
| 57 | | | | | | | 57 |

100-YEAR D POLECAT
SUMMARY PRINTOUT

| LINE | SECNO | CWSEL | VOL | K*XL | K*YCH | K*YNR | QIK | STCHL | STCHR | SSTA | ENDST | TOPWID |
|------|----------|--------|--------|-------|-------|-------|---------|---------|---------|---------|---------|---------|
| 1 | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | 2,500 | 126.30 | 0. | 70.00 | 50.00 | 70.00 | 132.87 | 150.00 | 190.00 | 116.50 | 831.25 | 440.46 |
| 6 | 2,500 | 127.30 | 0. | 70.00 | 50.00 | 70.00 | 163.33 | 150.00 | 190.00 | 150.00 | 190.00 | 40.00 |
| 7 | | | | | | | | | | | | |
| 8 | 9,000 | 126.63 | 10.66 | 70.00 | 50.00 | 70.00 | 945.21 | 110.00 | 340.00 | 60.61 | 357.35 | 296.74 |
| 9 | 9,000 | 127.57 | 11.14 | 70.00 | 50.00 | 70.00 | 1158.14 | 110.00 | 340.00 | 110.00 | 340.00 | 230.00 |
| 10 | | | | | | | | | | | | |
| 11 | 12,000 | 126.64 | 19.10 | 70.00 | 50.00 | 70.00 | 951.28 | 110.00 | 340.00 | 60.35 | 357.41 | 297.06 |
| 12 | 12,000 | 127.58 | 19.97 | 70.00 | 50.00 | 70.00 | 1161.72 | 110.00 | 340.00 | 110.00 | 340.00 | 230.00 |
| 13 | | | | | | | | | | | | |
| 14 | * 13,300 | 127.85 | 21.31 | 70.00 | 50.00 | 70.00 | 67.87 | 165.00 | 177.00 | 53.42 | 392.95 | 339.53 |
| 15 | * 13,300 | 127.68 | 22.10 | 70.00 | 50.00 | 70.00 | 52.85 | 165.00 | 177.00 | 100.00 | 200.00 | 100.00 |
| 16 | | | | | | | | | | | | |
| 17 | 13,500 | 128.28 | 21.46 | 70.00 | 50.00 | 70.00 | 115.98 | 165.00 | 177.00 | 38.69 | 444.02 | 405.32 |
| 18 | 13,500 | 128.41 | 22.18 | 70.00 | 50.00 | 70.00 | 89.23 | 165.00 | 177.00 | 100.00 | 200.00 | 100.00 |
| 19 | | | | | | | | | | | | |
| 20 | 16,000 | 128.51 | 26.43 | 70.00 | 50.00 | 70.00 | 582.96 | 90.00 | 102.00 | 33.53 | 588.25 | 554.71 |
| 21 | 16,000 | 129.31 | 23.78 | 70.00 | 50.00 | 70.00 | 181.44 | 90.00 | 102.00 | 50.00 | 150.00 | 100.00 |
| 22 | | | | | | | | | | | | |
| 23 | 17,400 | 128.53 | 29.54 | 70.00 | 50.00 | 70.00 | 224.04 | 492.00 | 507.00 | 452.26 | 826.49 | 374.23 |
| 24 | 17,400 | 129.53 | 24.93 | 70.00 | 50.00 | 70.00 | 193.81 | 492.00 | 507.00 | 460.00 | 580.00 | 120.00 |
| 25 | | | | | | | | | | | | |
| 26 | 18,200 | 128.52 | 30.61 | 90.00 | 50.00 | 70.00 | 200.59 | 493.00 | 507.00 | 433.33 | 746.90 | 313.56 |
| 27 | 18,200 | 129.54 | 25.66 | 90.00 | 50.00 | 70.00 | 220.67 | 493.00 | 507.00 | 440.00 | 560.00 | 120.00 |
| 28 | | | | | | | | | | | | |
| 29 | 19,000 | 128.62 | 31.63 | 90.00 | 50.00 | 70.00 | 214.86 | 493.00 | 507.00 | 431.13 | 753.37 | 322.24 |
| 30 | 19,000 | 129.63 | 26.44 | 90.00 | 50.00 | 70.00 | 228.69 | 493.00 | 507.00 | 440.00 | 560.00 | 120.00 |
| 31 | | | | | | | | | | | | |
| 32 | 24,800 | 129.36 | 39.24 | 90.00 | 50.00 | 70.00 | 188.95 | 442.00 | 457.00 | 270.06 | 620.22 | 350.16 |
| 33 | 24,800 | 130.32 | 32.00 | 90.00 | 50.00 | 70.00 | 189.11 | 442.00 | 457.00 | 390.00 | 510.00 | 120.00 |
| 34 | | | | | | | | | | | | |
| 35 | 29,800 | 130.57 | 44.10 | 90.00 | 50.00 | 70.00 | 79.61 | 1390.00 | 1413.00 | 1087.85 | 1507.94 | 420.09 |
| 36 | 29,800 | 131.35 | 35.62 | 90.00 | 50.00 | 70.00 | 107.09 | 1390.00 | 1413.00 | 1350.00 | 1450.00 | 100.00 |
| 37 | | | | | | | | | | | | |
| 38 | * 31,500 | 133.87 | 50.95 | 90.00 | 50.00 | 70.00 | 1080.08 | 1391.00 | 1411.00 | 329.85 | 1970.81 | 1640.96 |
| 39 | * 31,500 | 133.88 | 36.47 | 90.00 | 50.00 | 70.00 | 72.33 | 1391.00 | 1411.00 | 1450.00 | 1550.00 | 100.00 |
| 40 | | | | | | | | | | | | |
| 41 | 37,200 | 133.92 | 80.27 | 90.00 | 50.00 | 70.00 | 335.29 | 1145.00 | 1150.00 | 396.45 | 1435.46 | 1039.01 |
| 42 | 37,200 | 134.80 | 42.80 | 90.00 | 50.00 | 70.00 | 325.53 | 1145.00 | 1150.00 | 962.79 | 1162.51 | 199.72 |
| 43 | | | | | | | | | | | | |
| 44 | 38,000 | 133.97 | 82.91 | 90.00 | 50.00 | 70.00 | 405.14 | 1145.00 | 1150.00 | 257.21 | 1550.00 | 1292.79 |
| 45 | 38,000 | 134.85 | 44.39 | 90.00 | 50.00 | 70.00 | 384.86 | 1145.00 | 1150.00 | 879.93 | 1177.27 | 297.33 |
| 46 | | | | | | | | | | | | |
| 47 | 44,800 | 134.34 | 103.37 | 90.00 | 50.00 | 70.00 | 195.72 | 1089.00 | 1111.00 | 584.37 | 2550.00 | 1809.10 |
| 48 | 44,800 | 135.24 | 55.20 | 90.00 | 50.00 | 70.00 | 182.02 | 1089.00 | 1111.00 | 1089.00 | 1258.08 | 169.08 |
| 49 | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | |
| 51 | | | | | | | | | | | | |

SUMMARY OF ERRORS

| | | | | | | | | | | | | |
|----|---------|--------|--------|----------|---|-----------|-----------|----------|---------|------|--|--|
| 52 | | | | | | | | | | | | |
| 53 | | | | | | | | | | | | |
| 54 | CAUTION | SECNO# | 13,300 | PROFILE# | 1 | CRITICAL | DEPTH | ASSUMED | | | | |
| 55 | CAUTION | SECNO# | 13,300 | PROFILE# | 1 | PROBABLE | MINIMUM | SPECIFIC | ENERGY | | | |
| 56 | CAUTION | SECNO# | 13,300 | PROFILE# | 1 | 20 TRIALS | ATTEMPTED | TO | BALANCE | WSEL | | |
| 57 | CAUTION | SECNO# | 13,300 | PROFILE# | 2 | CRITICAL | DEPTH | ASSUMED | | | | |
| | CAUTION | SECNO# | 13,300 | PROFILE# | 2 | PROBABLE | MINIMUM | SPECIFIC | ENERGY | | | |
| | CAUTION | SECNO# | 13,300 | PROFILE# | 2 | 20 TRIALS | ATTEMPTED | TO | BALANCE | WSEL | | |