

INPUT EXAMPLES

- RES-SNGL CHF3
- GENERAL

CHF3(1)

- TITLE 'CHIPPEWA R CHPFALLS '
- UNITS ENGLISH ACFT
- PARMS
 - ELVSSTOR 814.00 830.00 839.00 840.00 850.40 865.00 &
 - 0.00 32199.99 67199.98 67464.98 78999.96 95000.
 - INTERP LOG
- ENDP
- TIME-SERIES
 - INSTQIN CHFLSIN SQIN 6
 - MEANQIN MEANSMIN SQME 6
 - MEANQOUT MEANSMOT SQME 6
 - INSTQOUT CHF3 SQIN 6
 - POOL CHF3 SPEL 6
- ENDTS
- CARRYOVER
 - INFLOW 6854.80
 - Q-MEAN 6193.12
 - Q-INST 6193.12
 - POOL0 838.09
 - POOL1 838.50
 - STORAGE 64522.50
- ENDCO
- ENDGENL

- SPECIFIC

- SPILLWAY(1)
- PARMS
 - TYPE UNC
 - CREST 841.70
 - ELVSQ 841.70 846.40 851.00 27000. 72458. 159907.
 - INTERP LINEAR
 - QGEN 0.00
 - QSLUICE 0.00
- ENDP
- CARRYOVER
 - OLDQ 6193.12
- ENDCO
- ENDSPWY
- POWERGEN(1)
- PARMS
 - TOD 12
 - DAILY 0.05 0.36 0.54 0.05
 - MINQINST 785.00
 - HUPPER RULE+0.10
 - HLOWER RULE-0.90
 - QGENMAX 9600.00
 - CURVE 1 366 838.40 838.40
 - RULETIME 12
- ENDP
- CARRYOVER
 - OLDQ 3352.99 8157.79 7530.27
- ENDCO
- ENDPOWER

CHFV3(2)

CHFW3(3)

- POWERGEN(2)
 -
- ENDPOWER
- POWERGEN(3)
 -
- ENDPOWER
- POWERGEN(4)
 -
- ENDPOWER
- SUMINF(1)
- PARMS
 - NORMQ 5000.00
 - ELTEST 841.60
- ENDP
- ENDSUM
- ENDSPEC
- RCL
 - IF (POOL.GE.841.70) THEN DO SPILLWAY
 - ELSEIF (QIM.GT.24000.00) THEN DO PASSFLOW
 - ELSEIF (QI.GT.12000.00) THEN DO POWERGEN(3)
 - ELSEIF (DAY.GT.105.00.AND.DAY.LT.150.00) THEN DO POWERGEN(2)
 - ELSEIF ((DAY.GT.243.00).OR.(DAY.LT.105.00)) THEN DO POWERGEN(4)
 - ELSE DO POWERGEN
 - ENDIF
- ENDRCL

- RES-SNGL FOLC1S
- GENERAL
 - TITLE 'FOLSOM DAM AND LAKE '
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 200.00 300.00 470.00 480.00 &
 - .00 45000.00 78296.00 1056492.00 1175623.00
 - INTERP LINEAR
 - ENDP
 - TIME-SERIES
 - INSTQIN FOLC1 SQIN 6
 - MEANQIN FOLC1 SQME 6
 - MEANQOUT FOLC1S SQME 6
 - INSTQOUT FOLC1S SQIN 6
 - POOL FOLC1S SPEL 6
 - ENDTS
 - CARRYOVER
 - INFLOW 4220.00
 - Q-MEAN 4220.00
 - Q-INST 4220.00
 - POOL0 125.12
 - POOL1 124.99
 - STORAGE 234088.69
 - ENDCO
- ENDGENL

CNRFC(1)

- SPECIFIC

- ADJUST(1)
- TIME-SERIES
 - OBSQO FOLC1 QIN 6
 - ADJQO FOLC1 QINE 6
- ENDTS
- ENDADJ
- RULECURVE(1)
- PARMS
 - CURVE 1 60 112 152 272 334 365 388.4 388.4 444.2 466.0 466.0 388.4 388.4
 - \$RULETIME 0
 - \$QMAX 2540.
- ENDP
- ENDRULE
- SETQ(1)
- PARMS
 - QVALUE 20000.0 INST
- ENDP
- ENDSETQ
- SETQ(2)
 -
- ENDSETQ
- SETQ(3)
 -
- ENDSETQ

CNRFC(2)

CNRFC(3)

- SETMAX(1)
- PARMS
 - TYPE INSTQ
- ENDP
- ENDSMAX
- SETMIN(1)
- PARMS
 - TYPE INSTQ
- ENDP
- ENDSMIN
- POOLQ(1)
- PARMS
 - POOLVSQ 205.5 275.5 327.0 328.0 418.0 450.0 466.0 &
 - 0.0 10000.0 20000.0 27000.0 36500.0 175000.0 305000.0
- ENDP
- ENDPOOLQ
- POOLQ(2)
 -
- ENDPOOLQ
-
- POOLQ(8)
 -
- ENDPOOLQ
- ENDSPEC

- RCL

- IF (POOL.LT.423.6) THEN DO PASSFLOW

- DO RULECURVE
 - DO POOLQ(1)
 - DO SETMIN

CNRFC(4)

- ELSEIF (POOL.GE.423.6.AND.POOL.LT.448.0) THEN DO PASSFLOW

- DO SETQ(1)
 - DO SETMAX
 - DO RULECURVE
 - IF (QIM.LE.55000.0) THEN DO POOLQ(1)
 - ELSEIF (QIM.GT.55000.0) THEN DO SETQ(2)
 - ENDIF
 - DO SETMIN

- ELSEIF (POOL.GE.448.0.AND.POOL.LE.466.0) THEN DO PASSFLOW

- DO SETQ(1)
 - DO SETMAX
 - IF (QIM.LE.55000.0) THEN DO RULECURVE
 - DO POOLQ(1)
 - DO SETMIN
 - ELSEIF (QIM.GT.55000.0) THEN DO SETQ(2)
 - DO POOLQ(2)
 - DO SETMAX
 - ENDIF

- ELSEIF (POOL.GE.466.0.AND.POOL.LE.470.0) THEN DO PASSFLOW

- DO SETQ(2)
 -
 - DO SETMAX

- ELSEIF (POOL.GT.470.0) THEN DO SETQ(3)

-

- ENDIF

- ENDRCL

- RES-SNGL CRVI4
- GENERAL
 - TITLE 'CORALVILLE RES '
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 650.00 655.00 660.00 720.00 722.00 &
 - 0.00 55.00 621.00 2770.00 7230.00 670000. 730000.
 - INTERP LOG
 - ENDP
 - TIME-SERIES
 - INSTQIN CRVI4AIN QINE 6
 - MEANQIN MEANSMIN SQME 6
 - MEANQOUT MEANSMOT SQME 6
 - INSTQOUT INSTSMOT SQIN 6
 - POOL CRVI4 SPEL 6
 - STORAGE SIMSTORG SRSO 6
 - ENDTS
 - CARRYOVER
 - INFLOW 1167.07
 - Q-MEAN 998.00
 - Q-INST 1000.00
 - POOL0 686.60
 - POOL1 686.62
 - STORAGE 70014.00
 - ENDCO
- ENDGENL

CRVI4(1)

- SPECIFIC

- RAINEVAP(1)
- PARMS
 - EVAP 0.01 0.02 0.05 0.08 0.13 0.16 0.13 0.10 0.05 0.02
 - DIST 0.25 0.50 0.20 0.05
 - TOL 0.150
- ENDP
- TIME-SERIES
 - PCPN CRVI4ROR MAP 6
 - ADDQ RAINEVP SQME 6
- ENDTS
- ENDRAIN
- BACKFLOW(1)
- TIME-SERIES
 - OBSQ CRVI4 RQME 24
 - OBSH CRVI4G PELV 6
 - NEWQ INSTAJIN QINE 6
- ENDTS
- CARRYOVER
 - ELEV 686.62
- ENDCO
- ENDBACK
- ADJUST(1)
- PARMS
 -
- ENDP
- TIME-SERIES
 -
- ENDTS
- CARRYOVER
 -
- ENDCO
- ENDADJ

CRVI4(2)

- SETQ(1)
- PARMS
 - QVALUE 75.00 INST
- ENDP
- ENDSETQ
-
- SETQ(5)
 -
- ENDSETQ
- RULECURVE(1)
- PARMS
 - CURVE 1 46 60 152 166 244 686.30 683.30
 - BLEND 56
 - QMAX 10002.86
- ENDP
- ENDRULE
- RULEADJ(1)
- PARMS
 - CURVE RULECURVE(1)
 - PERIODS 4
 - MAXQI 10000.00
- ENDP
- TIME-SERIES
 - ELEV CRVI4G PELV 6
- ENDTS
- CARRYOVER
 - MSNG 12
 - DEV 0.00 0.00 0.00 0.00
- ENDCO
- ENDRADJ

CRVI4(3)

CRVI4(4)

- SUMINF(1)
- PARMS
 - NORMQ 21000.00
 - ELTEST 712.00
- ENDP
- ENDSUM
- POOLQ(1)
- PARMS
 - POOLVSQ 707.00 708.00 709.00 19002. 20002. 21002.
- ENDP
- ENDPOOLQ
- POOLQ(2)
 -
- ENDPOOLQ
- STPOOLQ(1)
- PARMS
 - GAGE1
 - LAG 3
 - CONTROL1 1.00 10999.00 11000.00 100000.00 10000. 1000.
 - RISING 655.00 722.00 &

CRVI4(5)

- 1 1
- FALLING 655.00 722.00 &
- 1 1
- LAG/K
- RES-SNGL QINE 6 0 0 METR 0.00 0.0
- 3.000
- 3.000
- 2
- 28.232 3.000 0.000 0.000
- 28.217 28.203 84.610
- GAGE2
-
- ENDP
- TIME-SERIES
 - LOCAL1 LNTI4 SQIN 6
 - LOCAL2 WAPI4 SQIN 6
- ENDTS
- CARRYOVER
 - GAGE1 0.000
 - RATING1 0.000 996.000 6.550 0
 - RATING2 0.000 847.324 2.067 0
- ENDCO
- ENDSTPQ

- STPOOLQ(2)
 -
- ENDSTPQ
- SPILLWAY(1)
- PARMS
 - TYPE UNC
 - CREST 712.00
 - ELVSQ 718.00 720.00 722.00 24755. 39577. 57666.
 - INTERP LOG
 - QGEN 0.00
 - QSLUICE 0.00
- ENDP
- CARRYOVER
 - OLDQ 998.00
- ENDCO
- ENDSPWY
- SETMIN(1)
- PARMS
 - TYPE INSTQ
- ENDP
- ENDSMIN
- ENDSPEC

CRVI4(6)

- RCL
 - SET MAY1=121.00
 - SET DEC15=349.00
 - IF (POOL.LE.677.00) THEN DO SETQ
 - ELSEIF (POOL.GT.677.00.AND.POOL.LE.678.00) THEN DO SETQ(2)
 - ELSEIF (POOL.GT.678.00.AND.POOL.LE.707.00) THEN DO RULECURVE
 - IF ((DAY.LE.MAY1).OR.(DAY.GE.DEC15)) THEN DO STPOOLQ
 - DO SETMIN
 - IF (QO.LE.150.00) THEN DO SETQ(3)
 - ENDIF
 - IF (QO.GE.10000.00) THEN DO SETQ(5)
 - ENDIF
 - ENDIF
 - IF (DAY.GE.MAY1.AND.DAY.LE.DEC15) THEN DO STPOOLQ(2)
 -
 - ENDIF
 - ELSEIF (POOL.GT.707.00.AND.POOL.LE.712.00) THEN DO SETQ(3)
 - IF ((DAY.LE.MAY1).OR.(DAY.GE.DEC15)) THEN DO POOLQ
 - ENDIF
 - IF (DAY.GE.MAY1.AND.DAY.LE.DEC15) THEN DO POOLQ(2)
 - ENDIF
 - ELSEIF (POOL.GT.712.00) THEN DO SPILLWAY
 - ENDIF
- ENDRCL

CRVI4(7)

- RES-SNGL CYFM4
- GENERAL
 - TITLE 'WAY DAM '
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 1339.30 1340.00 1342.001378.00 1378.90 &
 - 0.00 256.00 1108.00 2170.00 3542.00 126715. 134113.
 - INTERP LINEAR
 - ENDP
 - TIME-SERIES
 - INSTQIN CYFM4IN SQIN 6
 - MEANQIN CYFM4IN SQME 6
 - MEANQOUT CYFM4OUT SQME 6
 - INSTQOUT CYFM4OUT SQIN 6
 - POOL CYFM4 SPEL 6
 - ENDTS
 - CARRYOVER
 - INFLOW 463.72
 - Q-MEAN 250.06
 - Q-INST 250.06
 - POOL0 1369.98
 - POOL1 1370.00
 - STORAGE 74765.41
 - ENDCO
- ENDGENL

CYFM4(1)

- SPECIFIC
 - RULECURVE(1)
 - PARMS
 - CURVE 1 31 60 90 166 1374. 1373. 1372.
 - RULETIME 0
 - BLEND 12
 - QMAX 17261.92
 - ENDP
 - ENDRULE
 - SETQ(1)
 - PARMS
 - QVALUE TS
 - OPTION 0
 - ENDP
 - TIME-SERIES
 - SQTS SETQ SQIN 6
 - ENDTS
 - ENDSETQ
 - SETQ(2).....
 - SETH(1)
 -
 - ENDSETH
 - SETH(2)
 - ADJUST(1)
 -
 - ENDADJ
 - SETDH(1)
 -
 - ENDSETDH
- ENDSPEC

CYFM4(2)

- RCL
 - SET MAR01=60.00
 - SET JUN01=152.00
 -
 - SET SEP15=258.00
 - SET SEP30=273.00
 - IF (DAY.GT.MAR01.AND.DAY.LT.JUN15) THEN DO SETQ
 - IF (QI.LT.500.00) THEN DO PASSFLOW
 - ENDIF
 - ELSEIF (DAY.GE.JUN15.AND.DAY.LT.SEP30) THEN DO RULECURVE
 - DO SETDH
 - IF (POOL.LT.RULE) THEN DO RULECURVE
 - ENDIF
 - ELSEIF ((DAY.GE.SEP30).OR.(DAY.LE.MAR01)) THEN DO RULECURVE
 - ENDIF
 - IF (DAY.GE.JUN01.AND.DAY.LE.JUN30.AND.QO.LT.400.) THEN DO SETQ(4)
 - ELSEIF (DAY.GE.JUL01.AND.DAY.LE.JUL31.AND.QO.LT.300.) THEN DO SETQ(3)
 - ELSEIF (QO.LT.250.00) THEN DO SETQ(2)
 - ENDIF
 - IF (POOL.GT.1374.30) THEN DO SETH
 - ENDIF
 - IF (POOL.LT.1359.30) THEN DO SETH(2)
 - ENDIF
- ENDRCL

CYFM4(3)

WIBSE(1)

- RES-SNGL DAHSE
 - GENERAL
 - UNITS ENGLISH ACFT
 - T 'DAHLGREEN DAM'
 - PARMS
 - ELVSSTOR 225. 290. 310. 350. 360. 400. &
 - 0. 16500. 38000. 83000. 765000. 870000.
 - INTERP LINEAR
 - ENDP
 - TS
 - INSTQIN DAHSEINF SQIN 6
 - MEANQIN DAHSEINF SQME 6
 - MEANQOUT DAHSE SQME 6
 - INSTQOUT DAHSE SQIN 6
 - POOL DAHSE SPEL 6
 - ENDTS
 - CO
 - INFLOW 1250.
 - Q-INST 1250.
 - POOL1 365.
 - ENDCO
- ENDGENL

- SPECIFIC

- RAINEVAP(1)
- PARMS
 - DIST 0.25 0.50 0.20 0.05
 - TOL 0.150
- ENDP
- TIME-SERIES
 - PCPN WIBSE MAP 6
 - EVAP PWA MAPE 24
 - ADDQ RAINEVAP SQME 6
- ENDTS
- ENDRAIN
- SPILLWAY(1)
- PARMS
 - TYPE GATED
 - CREST 375.0
 - ELVSQ 375.0 380.0 395.0 400.0 0.00 8000. 79000.
 - INTERP LINEAR
 - PASSEL 379.50
 - QGEN 4000.00
 - QSLUICE 0.00
- ENDP
- CARRYOVER
 - OLDQ 4000.0
- ENDCO
- ENDSPWY

WIBSE(2)

WHRM5(2)

- SPECIFIC
 - ADJUST(1)
 - TIME-SERIES
 - OBSH TRAM5G PELV 6
 - ADJH TRAM5 PELE 6
 - ENDTS
 - ENDADJ
 - MAXQ(1)
 - PARMS
 - CONSTQ 0.00
 - ELVSQ 76.80 76.90 77.00 0.00 10.00 76.00 106.00
 - ENDP
 - ENDMAXQ
 - MAXQ(2)
 -
 - ENDMAXQ
 -
- MAXQ(3)

WIBSE(3)

- POWERGEN
- PARMS
 - TOD 6
 - DAILY 0.0 0.4 0.5 0.1
 - DOW 2
 - WEEKLY 0.0 0.2 0.2 0.2 0.2 0.2 0.0
 - MINQWEEK 500.0
 - HUPPER RULE+1.0
 - HLOWER RULE-1.0
 - QGENMAX 4000.
 - CURVE 1 32 91 105 335 366 370.0 365.00
 - RULETIME 6
- ENDP
- ENDPOWER
- SUMINF
- PARMS
 - NORMQ 4000.0
 - ELTEST 375.2
- ENDP
- ENDSUM

WIBSE(4)

- SETQ(1)
- PARMS
 - QVALUE 500.0
- ENDP
- ENDSETQ
- ADJUST
- TS
 - OBSQOM DAHSE RQME 24
 - OBSH DAHSE PELV 6
 - ADJH DAHSE PELE 6
 - ADJQO DAHSE QINE 6
- ENDTS
- ENDADJ
- ENDSPEC
- RCL
 - IF (POOL.GT.375.00) THEN DO SPILLWAY(1)
 - ELSE DO POWERGEN
 - IF (QO.LT.500.0) THEN DO SETQ(1)
 - ENDIF
 - ENDIF
- ENDRCL

- RES-SNGL TRAM5
- GENERAL
 - TITLE 'RESERVATION_D,TRAVER'
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 60.00 67.00 165500. 180000.
 - INTERP LOG
 - ENDP
 - TIME-SERIES
 - INSTQIN TRAM5INQ SQIN 6
 - MEANQIN MEANTRAV SQME 6
 - MEANQOUT MEANWHRI SQME 6
 - INSTQOUT WHRM5INQ SQIN 6
 - POOL TRAM5 SPEL 6
 - ENDTS
 - CARRYOVER
 - INFLOW 195.50
 - Q-MEAN 0.00
 - Q-INST 0.00
 - POOL0 76.03
 - POOL1 76.04
 - STORAGE 108406.30
 - ENDCO
- ENDGENL

WHRM5(1)

- SPECIFIC

- ADJUST(1)
- TIME-SERIES
 - OBSH TRAM5G PELV 6
 - ADJH TRAM5 PELE 6
- ENDTS
- ENDADJ
- MAXQ(1)
- PARMS
 - CONSTQ 0.00
 - ELVSQ 76.80 76.90 77.30 0.00 10.00 106.00
- ENDP
- ENDMAXQ
- MAXQ(2)
 -
- ENDMAXQ
-
- POOLQ(1)
- PARMS
 - POOLVSQ 76.80 77.30 0.00 10.00 106.00
 - LINEAR
- ENDP
- ENDPOOLQ
- POOLQ(2)
 -
- ENDPOOLQ
-

WHRM5(2)

- RAINEVAP(1)
- PARMS
 - EVAP 0.010 0.010 0.020 0.130 0.100 0.050 0.020
 - DIST 0.25 0.55 0.15 0.05
 - TOL 0.150
- ENDP
- TIME-SERIES
 - PCPN WHRM5 MAP 6
 - ADDQ RAINEVP SQME 6
- ENDTS
- ENDRAIN
- RULECURVE(1)
- PARMS
 - CURVE 1 60 92 96 366 76.80 76.80 75.50 76.80 76.80
 - RULETIME 0
 - BLEND 48
 - QMAX 1100.30
- ENDP
- ENDRULE
- SETMIN(1)
- PARMS
 - TYPE INSTQ
- ENDP
- ENDSMIN
- SETMAX(1)
- PARMS
 - TYPE INSTQ
- ENDP
- ENDSMAX

WHRM5(3)

WHRM5(4)

- SETQ(1)
- PARMS
 - QVALUE 0.00 MEAN
- ENDP
- ENDSETQ
- SUMINF(1)
- PARMS
 - NORMQ 800.00
 - ELTEST 80.50
- ENDP
- ENDSUM
- ENDSPEC
- RCL
 - IF (POOL.LT.RULE) THEN DO SETQ
 - ELSEIF (POOL.LT.78.00) THEN DO RULECURVE
 - IF (DAY.GT.60.00.AND.DAY.LE.64.00.AND.QO.GT.MAXQ(2)) THEN DO POOLQ(2)
 - ELSEIF (DAY.GT.64.00.AND.DAY.LE.68.00.AND.QO.GT.MAXQ(3)) THEN DO POOLQ(3)
 -
 - ELSEIF (DAY.GT.125.00.AND.QO.GT.MAXQ) THEN DO POOLQ
 - ENDIF
 - ELSEIF (POOL.LT.80.50) THEN DO POOLQ(8)
 - DO SETMIN
 - ELSE DO PASSFLOW
 - IF (QO.LT.MAXQ(8)) THEN DO POOLQ(8)
 - DO SETMAX
 - ENDIF
 - ENDIF
- ENDRCL

- RES-SNGL WHINE
- GENERAL
 - T WHITE RIVER DAM
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 0. 6.7 25.124200. 160000.
 - INTERP LOG
 - ENDP
 - TS
 - INSTQIN WHINEINF SQIN 6
 - INSTQOUT WHINE SQIN 6
 - MEANQIN WHINEINF SQME 6
 - MEANQOUT WHINE SQME 6
 - POOL WHINE SPEL 6
 - ENDTS
 - CO
 - INFLOW 550.
 - Q-INST 550.
 - Q-MEAN 550.
 - POOL1 23.
 - ENDCO
- ENDGENL

WHINE(1)

WHINE(2)

- SPECIFIC
 - FILLSPILL(1)
 - PARMS
 - QLIM 2000.0
 - TYPE UNC
 - CREST 98.0
 - ELVSQ 98.00 100.00 0.00 500. 9000.00
 - INTERP LOG
 - QGEN 1000.0
 - QSLUICE 1000.0
 - ENDP
 - CARRYOVER
 - OLDQ 2000.0
 - ENDCO
 - ENDFILL
 - SETQ(1)
 - PARMS
 - QVALUE 1000.0 MEAN
 - ENDP
 - ENDSETQ
 - SETQ(2)
 -
 - ENDSETQ

WHINE(3)

- SETH(1)
- PARMS
 - HVALUE 24.0
- ENDP
- ENDSETH
- ADJUST
- TIME-SERIES
 - OBSH WHINE LAKH 6
 - ADJH WHINE PELE 6
- ENDTDS
- ENDADJ
- ENDSPEC
- RCL
 - IF (POOL.GT.24.0.AND.RISING) THEN DO FILLSPILL
 - ELSEIF (POOL.LT.98.0.AND.FALLING) THEN DO SETQ(1)
 - ELSE DO SETQ(2)
 - ENDIF
 - IF (POOL.LT.24.0) THEN DO SETH(1)
 - ENDIF
- ENDRCL

- RES-SNGL KINNE
- GENERAL
 - UNITS ENGLISH ACFT
 - T KINZUA DAM
 - PARMS
 - ELVSSTOR 1040. 1060. 0 686000. 763000.
 - INTERP LINEAR
 - ENDP
 - TS
 - INSTQIN INFLOW SQIN 6
 - INSTQOUT KINNE SQIN 6
 - MEANQIN INFLOW SQME 6
 - MEANQOUT KINNE SQME 6
 - POOL KINNE SPEL 6
 - ENDTS
 - CO
 - INFLOW 1000.
 - Q-INST 500.
 - Q-MEAN 500.
 - POOL1 1195.
 - ENDCO
- ENDGENL

WEHNE(1)

- SPECIFIC

- RAINEVAP(1)
- PARMS
 - EVAP 0.010 0.040 0.010
 - DIST 0.25 0.50 0.20 0.05
 - TOL 0.150
- ENDP
- TIME-SERIES
 - PCPN WEHNEUPR MAP 6
- ENDTS
- ENDRAIN
- FLASHBDS(1)
- PARMS
 - NBOARDS 42 28
 - GENL-L 1218.00 1219.67 1223.00 1223.60 420.00
 - RATING-L 1218.00 1219.00 1220.00 36000.00 44500.00
 - GENL-S 1221.00 1221.67 1223.00 1223.55 210.00
 - RATING-S 1221.00 1222.00 0.0 10799.96 14399.96
 - GENL-G 1211.00 1218.50 6.00 4
 - RATING-G 1211.00 1214.00 36000.00 37000.00
 - REPLQ 300000.00
 - GENQ 5000.00
 - SLUICEQ 0.0
- ENDP
- CARRYOVER
 - DOWN 0 0
 - GATE 0.
- ENDCO
- ENDFLASH

WHENE(2)

- POWERGEN
- PARMS
 - TOD 6
 - DAILY 0.0 0.3 0.4 0.3
 - MINQINST 100.0
 - MINQDAY 500.0
 - HUPPER RULE+1.0
 - HLOWER RULE-1.0
 - QGENMAX 5000.0
 - CURVE 1 32 91 105 121 1205.00 1198.00 1198.00
 - RULETIME 6
- ENDP
- ENDPOWER
- SUMINF
- PARMS
 - NORMQ 5000.0
 - ELTEST 1211.2
- ENDP
- ENDSUM
- SETQ(1)
- PARMS
 - QVALUE 100.0 INST
- ENDP
- ENDSETQ

WEHNE(2)

- ADJUST(1)
- PARMS
 - BLEND 8
 - CFACTOR RATIO
- ENDP
- TIME-SERIES
 - OBSQO KINNEDCP RQOT 6
 - OBSH KINNE PELV 6
 - ADJH KINNE PELE 6
- ENDTS
- CARRYOVER
 - QDIFF 0.0
 - STEPS 0
- ENDCO
- ENDADJ
- ENDSPEC
- RCL
 - DO GOFLASH
 - IF (GOFLASH) THEN DO FLASHBDS
 - ELSE DO POWERGEN
 - IF (QO.LT.100.0) THEN DO SETQ(1)
 - ENDIF
 - ENDIF
- ENDRCL

WEHNE(3)

- RES-SNGL KEYSW
- GENERAL
 - UNITS ENGLISH ACFT
 - TITLE 'KEYSTONE DAM'
 - PARMS
 - ELVSSTOR 260. 290. 0.0 838500. 906100.
 - INTERP LINEAR
 - ENDP
 - TS
 - INSTQIN KEYSWINF SQIN 6
 - MEANQIN KEYSWINF SQME 6
 - INSTQOUT KEYSW SQIN 6
 - MEANQOUT KEYSW SQME 6
 - POOL KEYSW SPEL 6
 - ENDT
 - CO
 - INFLOW 300.
 - Q-INST 6000.
 - POOL1 330.
 - ENDCO
- ENDGENL

TLSSW(1)

- SPECIFIC
 - RAINEVAP(1)
 - PARMS
 - DIST 0.25 0.50 0.20 0.05
 - TOL 0.150
 - ENDP
 - TIME-SERIES
 - PCPN KEYSW MAP 6
 - EVAP PWA MAPE 24
 - ENDTS
 - ENDRAIN
 - SETQ(1)
 - PARMS
 - QVALUE 300.0 MEAN
 - ENDP
 - ENDSETQ
 - ADJUST(1)
 - TIME-SERIES
 - OBSH KEYSW PELV 6
 - ADJH KEYSW PELE 6
 - ENDTS
 - ENDADJ

TLSSW(2)

- INDSRCHGE(1)
- PARMS
 - HUPPER 335.00
 - HCHECK RULE
 - HLOWER RULE
 - COMPINQ 3
 - SCQI 6667. 13333. 20000. 26667. 33333.
 - SCEL 326.50 329.00 330.30 332.20 333.20
 - SCQO 6000. 6000. 6000. 6000. 6000.
 - CONV 0.020
 - DTYPE 3
 - DTABLE 335.00 7
 - HTARGET1 335.00
 - REDUCE 2000.00
 - QTARGET2 6000.00
 - DIFFQI3 5000.00
 - GATEL 320.00 323.00 325.00 326.00 327.00
 - GATEOPEN 0.0 1.00 2.00 3.00 4.00
 - GATEQ 6333. 6333. 6333. 6333. 6333.
 - GATESET 1
 - IOPTND 1
 - CURVE 1 75 106 305 335
 - RULETIME 6
- ENDP
- ENDINDS

TLSSW(3)

TLSSW(4)

- POWERGEN
- PARMS
 - TOD 6
 - DAILY 0.0 0.3 0.4 0.3
 - DOW 2
 - WEEKLY 0.0 0.2 0.2 0.2 0.2 0.2 0.2 0.0
 - MINQINST 1.0
 - HUPPER RULE
 - HLOWER 320.0
 - QGENMAX 6000.0
 - CURVE INDSRCHGE(1)
- ENDP
- ENDPOWER
- SUMINF
- PARMS
 - NORMQ 6000.0
 - ELTEST 335.2
- ENDP
- ENDSUM

- RULEADJ(1)
- PARMS
 - CURVE INDSRCHGE(1)
 - PERIODS 24
 - ELEVDIFF 2.00
 - MAXQI 40000.00
- ENDP
- TIME-SERIES
 - ELEV KEYSW PELV 6
- ENDTS
- CARRYOVER
 - MSNG 0
 - DEV 0.00 0.00 0.00 0.00 0.00
- ENDCO
- ENDRADJ
- STPOOLQ(1)
- PARMS
 - GAGE1
 - \$LAG 12
 - RATING TLSSW
 - CONTROL1 3.0 5.0 8.0 10.0 12.0
 - CONTROL2 1.8 3.0 6.8 9.5 12.0
 - RISING 260.00 1

TLSSW(5)

TLSSW(6)

- FALLING 260.00 -999.00 335.01 1 2 1
- CURVE INDSRCHGE(1)
- LAG/K
- RES-SNGL QINE 3 4 ENGL
- 6.0 100.0 5.0 5000.0 5.0 100000.
- 3.0 100.0 4.0 1000.0 5.0 10000.0 6.0 100000.
- 3
- 6000.0 6.000 6000.0 0.000 X
- 6000.000 .000
- 5000.0 5000.000 625.0
- GAGE2
-
- ENDP
- TIME-SERIES
 - LOCAL1 TLSSWLOC SQIN 6
- ENDTS
- CARRYOVER
 - GAGE1 1000.0
 - RATING1 5.9 5000.0 0.0 0
 - RATING2 5.9 5000.0 0.0 0
- ENDCO
- ENDSTPQ
- STPOOLQ(2)
 -

TLSSW(7)

- SETMIN(1)
- PARMS
 - TYPE MEANQ
- ENDP
- ENDSMIN
- ENDSPEC
- RCL
 - DO ENTERISC
 - IF (SURCHARGE) THEN DO INDSRCHGE
 - ELSEIF (DAY.LE.91.0) THEN
 - DO STPOOLQ
 - DO POWERGEN
 - DO SETMIN
 - ELSEIF (DAY.GT.91.0.AND.DAY.LE.93) THEN
 - DO STPOOLQ(2)
 - DO POWERGEN
 - DO SETMIN
 - ELSE
 - DO STPOOLQ(3)
 - DO POWERGEN
 - DO SETMIN
 - ENDIF
 - IF (QOM.LT.300.0) THEN DO SETQ(1)
 - ENDIF
- ENDRCL

- RES-SNGL ORWM5
- GENERAL
 - TITLE 'ORWELL RESERVOIR '
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 1033.00 1044.00 0.00 22000. 28400.
 - INTERP LOG
 - ENDP
 - TIME-SERIES
 - INSTQIN ORWM5INQ SQIN 6
 - MEANQIN MEANSMIN SQME 6
 - MEANQOUT MEANSMOT SQME 6
 - INSTQOUT INSTSMOT SQIN 6
 - POOL ORWM5 SPEL 6
 - ENDTS
 - CARRYOVER
 - INFLOW 468.53
 - Q-MEAN 433.00
 - Q-INST 433.00
 - POOL0 1064.38
 - POOL1 1064.40
 - STORAGE 8892.08
 - ENDCO
- ENDGENL

ORWM5(1)

- SPECIFIC
 - ADJUST(1)
 - TIME-SERIES
 - OBSH ORWM5G PELV 6
 - ADJH ORWM5 PELE 6
 - ENDTS
 - ENDADJ
 - BACKFLOW(1)
 - TIME-SERIES
 - OBSQ ORWM5 RQIM 24
 - OBSH ORWM5G PELV 6
 - NEWQ BACKADJ SQIN 6
 - ENDTS
 - CARRYOVER
 - ELEV 1064.40
 - ENDCO
 - ENDBACK
 - SETQ(1)
 - PARMS
 - QVALUE TS
 - OPTION 1
 - ENDP
 - TIME-SERIES
 - SQTS ORWM5 RQOT 6
 - ENDTS
 - CARRYOVER
 - OLDQ 433.00
 - ENDCO
 - ENDSETQ
 -

ORWM5(2)

- RAINEVAP(1)
- PARMS
 - EVAP 0.010 0.020 0.050 0.050 0.020
 - DIST 0.25 0.55 0.15 0.05
 - TOL 0.250
- ENDP
- TIME-SERIES
 - PCPN ORWM5 MAP 6
 - ADDQ RAINEVP SQME 6
- ENDTS
- ENDRAIN
- RULECURVE(1)
- PARMS
 - CURVE 1 61 92 93 180
 - RULETIME 0
 - BLEND 24
 - QMAX 900.22
- ENDP
- ENDRULE
- RULEADJ(1)
- PARMS
 - CURVE RULECURVE(1)
 - PERIODS 4
 - ELEVDIFF 0.50
 - MAXQI 1800.00
- ENDP
- TIME-SERIES
 - ELEV ORWM5G PELV 6
- ENDTS
- CARRYOVER
 - MSNG 0
 - DEV -1.17 -1.13 -1.07 -1.03
- ENDCO
- ENDRADJ

ORWM5(3)

- SETMIN(1)
- PARMS
 - TYPE INSTQ
- ENDP
- ENDSMIN
- STPOOLQ(1)
- PARMS
 - QDIST 0.25 0.25 0.25 0.25
 - GAGE1
 - LAG 30
 - CONTROL1 900.00 560.00 0.00
 - RISING 1064. 1075. 0.
 - 1 1
 - FALLING 1064. 1075. 1 1
 - LAG/K
 - RES-SNGL QINE 6 0 0 ENGL 0.00 0.0
 - 30.000
 - 6.000
 - 7
 - 433.000 6.000 433.000 12.000 X
 - 433.000 18.000 433.000 24.000 X
 - 433.000 30.000 0.000 0.000 X
 - 0.000 0.000
 - 433.000 432.415 2594.430
- ENDP

ORWM5(4)

- TIME-SERIES
 - LOCAL1 WHNN8 SQIN 6
- ENDTS
- CARRYOVER
 - GAGE1 0.000
 - RATING1 0.000 432.415 0.109 0
- ENDCO
- ENDSTPQ
- SPILLWAY(1)
- PARMS
 - TYPE UNC
 - CREST 1070.00
 - ELVSQ 1068.00 1070.00 1072.00
 - INTERP LINEAR
 - QGEN 0.00
 - QSLUICE 0.00
- ENDP
- CARRYOVER
 - OLDQ 433.00
- ENDCO
- ENDSPWY
- ENDSPEC

ORWM5(4)

- RCL
 - IF (OBSERVED) THEN DO SETQ
 - ELSE DO RULECURVE
 - IF (POOL.LE.1070.00.AND.QO.LT.80.00) THEN DO SETQ(2)
 - ELSEIF (POOL.LE.1070.00.AND.QO.GT.900.00) THEN DO SETQ(3)
 - DO STPOOLQ
 - DO SETMIN
 - ELSEIF (POOL.GT.1070.00.AND.POOL.LT.1075.00) THEN &
 - DO SETQ(4)
 - IF (QO.LT.900.00) THEN DO SETQ(3)
 - DO STPOOLQ
 - DO SETMIN
 - ENDIF
 - ELSEIF (POOL.GT.1075.00) THEN DO SPILLWAY
 - ENDIF
 - ENDIF
- ENDRCL

ORWM5(5)

- RES-SNGL PBASW
- GENERAL
 - UNITS ENGLISH ACFT
 - TITLE 'PUEBLO DAM'
 - PARMS
 - ELVSSTOR 1950. 1964. 1990. 2051.
 - INTERP LOG
 - ENDP
 - TS
 - INSTQIN PDASW SQIN 6
 - MEANQIN PDASW SQME 6
 - MEANQOUT PBASW SQME 6
 - POOL PBASW SPEL 6
 - ENDT
 - CO
 - INFLOW 250.
 - Q-INST 250.
 - POOL1 2080.
 - ENDCO
- ENDGENL

DDCSM(1)

- SPECIFIC
 - RAINEVAP
 - PARMS
 - EVAP .0122 .15 .08 .03
 - DIST .25 .50 .20 .05
 - TOL .15
 - ENDP
 - TS
 - PCPN DDSCW MAP 6
 - ENDTS
 - ENDRAIN
 - SETQ(1)
 - PARMS
 - QVALUE 100. MEAN
 - ENDP
 - ENDSETQ
 -
 - SETH
 - PARMS
 - HVALUE 2095.
 - ENDP
 - ENDSETH
 - SETMAX
 - PARMS
 - TYPE MEANQ
 - ENDP
 - ENDSMAX

DDCSM(2)

DDCSM(3)

- ADJUST
- TS
 - OBSQOM PBASW RQME 24
 - OBSH PBASW PELV 6
 - ADJQOM PBASW AQME 6
 - ADJH PBASW PELE 6
- ENDTS
- ENDADJ
- ENDSPEC
- RCL
 - IF ((DAY.GT.258).OR.(DAY.LT.93)) THEN
 - DO SETH
 - DO SETQ(1)
 - DO SETMAX
 - ELSEIF (DAY.LT.152) THEN
 - DO SETH
 - DO SETQ(2)
 - DO SETMAX
 - ELSE
 - DO SETH
 - DO SETQ(3)
 - DO SETMAX
 - ENDIF
- ENDRCL

- RES-SNGL EOKI4
- GENERAL
 - TITLE 'KEOKUK HYDROPOWER OP'
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR -30.00 -10.00 0.00 10.00
 - INTERP LOG
 - ENDP
 - TIME-SERIES
 - INSTQIN EOKI4INQ SQIN 6
 - MEANQIN MEANSMIN SQME 6
 - MEANQOUT MEANSMOT SQME 6
 - INSTQOUT EOKI4 SQIN 6
 - POOL EOKI4 SPEL 6
 - ENDTS
 - CARRYOVER
 - INFLOW 62724.42
 - Q-MEAN 62724.42
 - Q-INST 63878.24
 - POOL0 18.16
 - POOL1 18.16
 - STORAGE 56706.53
 - ENDCO
- ENDGENL

EOKI4(1)

- SPECIFIC
 - ADJUST(1)
 - TIME-SERIES
 - OBSH EOKI4G PELV 6
 - ADJH EOKI4 PELE 6
 - ENDTS
 - ENDADJ
 - POWERGEN(1)
 - PARMS
 - TOD 24
 - DAILY 0.16 0.04 0.50 0.30
 - MINQINST 4100.00
 - HUPPER RULE+0.10
 - HLOWER RULE-0.90
 - QGENMAX 85500.00
 - CURVE 1 366 18.10 18.10
 - RULETIME 12
 - ENDP
 - CARRYOVER
 - OLDQ 69274.72 67415.95 65773.29
 - ENDCO
 - ENDPOWER
 -

EOKI4(2)

EOKI4(3)

- POWERGEN(8)
 -
- ENDPOWER
- SUMINF(1)
- PARMS
 - NORMQ 55000.00
 - ELTEST 18.20
- ENDP
- ENDSUM
- ENDSPEC
- RCL
 - IF (QI.GT.48000.00) THEN DO PASSFLOW
 - ELSEIF (QIM.GE.46000.00.AND.QIM.LT.48000.00) THEN DO POWERGEN(9)
 - ELSEIF (QIM.GE.44000.00.AND.QIM.LT.46000.00) THEN DO POWERGEN(8)
 - ELSEIF (QIM.GE.41000.00.AND.QIM.LT.44000.00) THEN DO POWERGEN(7)
 -
 - ELSEIF (QIM.GE.25000.00.AND.QIM.LT.28000.00) THEN DO POWERGEN(2)
 - ELSE DO POWERGEN
 - ENDIF
- ENDRCL

- RES-SNGL TRAM5
- GENERAL
 - TITLE 'RESERVATION_D,TRAVER'
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 60.00 67.00 69.00
 - INTERP LOG
 - ENDP
 - TIME-SERIES
 - INSTQIN TRAM5INQ SQIN 6
 - MEANQIN MEANTRAV SQME 6
 - MEANQOUT MEANWHRI SQME 6
 - INSTQOUT WHRM5INQ SQIN 6
 - POOL TRAM5 SPEL 6
 - ENDTS
 - CARRYOVER
 - INFLOW 195.50
 - Q-MEAN 0.00
 - Q-INST 0.00
 - POOL0 76.03
 - POOL1 76.04
 - STORAGE 108406.30
 - ENDCO
- ENDGENL

LQRM5(1)

- SPECIFIC

- ADJUST(1)
- TIME-SERIES
 - OBSH TRAM5G PELV 6
 - ADJH TRAM5 PELE 6
- ENDTS
- ENDADJ
- MAXQ(1)
- PARMS
 - CONSTQ 0.00
 - ELVSQ 76.80 76.90 0.00106.00
- ENDP
- ENDMAXQ
-
- POOLQ(1)
- PARMS
 - POOLVSQ 76.80 76.90 0.00106.00
 - LINEAR
- ENDP
- ENDPOOLQ
-

LQRM5(2)

- RAINEVAP(1)
 - PARMS
 - EVAP 0.010 0.010 0.020 0.050
 - DIST 0.25 0.55 0.15 0.05
 - TOL 0.150
 - ENDP
 - TIME-SERIES
 - PCPN WHRM5 MAP 6
 - ADDQ RAINEVP SQME 6
 - ENDTS
 - ENDRAIN
 - RULECURVE(1)
 - PARMS
 - CURVE 1 60 92 96
 - RULETIME 0
 - BLEND 48
 - QMAX 1100.30
 - ENDP
 - ENDRULE
- # LQRM5(3)

LQRM5(4)

- SETMIN(1)
- PARMS
 - TYPE INSTQ
- ENDP
- ENDSMIN
- SETMAX(1)
- PARMS
 - TYPE INSTQ
- ENDP
- ENDSMAX
- SETQ(1)
- PARMS
 - QVALUE 0.00 MEAN
- ENDP
- ENDSETQ
- SUMINF(1)
- PARMS
 - NORMQ 800.00
 - ELTEST 80.50
- ENDP
- ENDSUM
- ENDSPEC

LQRM5(5)

- RCL
 - IF (POOL.LT.RULE) THEN DO SETQ
 - ELSEIF (POOL.LT.78.00) THEN DO RULECURVE
 - IF (DAY.GT.60.00.AND.DAY.LE.64.00.AND.QO.GT.MAXQ(2)) THEN DO POOLQ(2)
 - ELSEIF (DAY.GT.64.00.AND.DAY.LE.68.00.AND.QO.GT.MAXQ(3)) THEN DO POOLQ(3)
 - ELSEIF (DAY.GT.68.00.AND.DAY.LE.72.00.AND.QO.GT.MAXQ(4)) THEN DO POOLQ(4)
 -
 - ELSEIF (DAY.LE.60.00.AND.QO.GT.MAXQ) THEN DO POOLQ
 - ELSEIF (DAY.GT.125.00.AND.QO.GT.MAXQ) THEN DO POOLQ
 - ENDIF
 - ELSEIF (POOL.LT.80.50) THEN DO POOLQ(8)
 - DO SETMIN
 - ELSE DO PASSFLOW
 - IF (QO.LT.MAXQ(8)) THEN DO POOLQ(8)
 - DO SETMAX
 - ENDIF
 - ENDIF
- ENDRCL

- RES-SNGL MLDM5
- GENERAL
 - TITLE 'MARSH LAKE RES '
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 33.00 36.00 38.00
 - INTERP LOG
 - ENDP
 - TIME-SERIES
 - INSTQIN MLDRESIN SQIN 6
 - MEANQIN MEANIFLW SQME 6
 - MEANQOUT MEANOFLOW SQME 6
 - INSTQOUT MLDM5 SQIN 6
 - POOL MLDM5 SPEL 6
 - ENDTS
 - CARRYOVER
 - INFLOW 199.38
 - Q-MEAN 157.26
 - Q-INST 156.75
 - POOL0 39.11
 - POOL1 39.11
 - STORAGE 20427.59
 - ENDCO
- ENDGENL

MLDM5(1)

- SPECIFIC
 - ADJUST(1)
 - TIME-SERIES
 - OBSH MLDM5G PELV 6
 - ADJH MLDM5 SPEL 6
 - ENDTS
 - ENDADJ
 - RAINEVAP(1)
 - PARMS
 - EVAP 0.010 0.020 0.060
 - DIST 0.25 0.50 0.20 0.05
 - TOL 0.150
 - ENDP
 - TIME-SERIES
 - PCPN MLDM5ROR MAP 6
 - ADDQ RAINEVP SQME 6
 - ENDTS
 - ENDRAIN
 - SETQ(1)
 - PARMS
 - QVALUE 20.00 INST
 - ENDP
 - ENDSETQ
 - SETMIN(1)
 - PARMS
 - TYPE INSTQ
 - ENDP
 - ENDSMIN
 -
- ENDSPEC

MLDM5(2)

MLDM5(3)

- RCL
 - DO SETQ(2)
 - IF (QO.LT.20.00) THEN DO SETQ
 - ELSE DO SETQ(3)
 - DO SETQ(4)
 - DO SETMIN
 - ENDIF
- ENDRCL

- RES-SNGL CLRM7SEG
- GENERAL
 - TITLE 'CLRM7-RESERVOIR '
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 420.00 493.00 0.00
 - INTERP LINEAR
 - ENDP
 - TIME-SERIES
 - INSTQIN CLRM7 SQIN 6
 - MEANQIN CLRM7 SQME 6
 - MEANQOUT CLRM7OUT SQME 6
 - INSTQOUT CLRM7OUT SQIN 6
 - POOL CLRM7 SPEL 6
 - ENDTS
 - CARRYOVER
 - INFLOW 1245.72
 - Q-MEAN 610.00
 - Q-INST 610.00
 - POOL0 500.09
 - POOL1 500.14
 - STORAGE 33394.04
 - ENDCO
- ENDGENL

LMRFC(1)

- SPECIFIC
 - RULECURVE(1)
 - PARMS
 - CURVE 1 120 121 152 258 274
 - QMAX 4100.0
 - ENDP
 - ENDRULE
 - SETQ(1)
 - PARMS
 - QVALUE 150.0 INST
 - ENDP
 - ENDSETQ
 - STPOOLQ(1)
 - PARMS
 - GAGE1 TRIB
 - CONTROL1 1.0 3500.0 100000.0
 - RISING 420.0 602.0 1 1
 - FALLING 420.0 602.0 1 1
 - LAG/K
 - RES-SNGL QINE
 - 24.000
 - 3.000
 - 0
 - ENDP
 - TIME-SERIES
 - LOCAL1 CLRM7PBL SQIN 6
 - ENDTS
 - CARRYOVER
 - GAGE1 3500.00
 - ENDCO
 - ENDSTPQ

LMRFC(2)

- SPILLWAY(1)
- PARMS
 - TYPE UNC
 - CREST 567.00
 - ELVSQ 567.00 574.00 580.00
 - INTERP LINEAR
 - QGEN .00
 - QSLUICE .00
- ENDP
- TIME-SERIES
 - QSLUICE CLRM7 QME 6
- ENDTS
- CARRYOVER
 - OLDQ 610.00
- ENDCO
- ENDSPWY
- RAINEVAP(1)
- PARMS
 - DIST .30 .40 .20 .10
 - TOL .100
- ENDP
- TIME-SERIES
 - PCPN CLRM7 MAP 6
 - EVAP CLRM7 MAPE 24
 - ADDQ RAINEVAP SQME 6
- ENDTS
- ENDRAIN

LMRFC(3)

LMRFC(4)

- ADJUST(1)
- TIME-SERIES
 - OBSH CLRM7 PELV 6
 - ADJH CLRM7 SPEL 6
- ENDTS
- ENDADJ
- SETMIN(1)
- PARMS
 - TYPE INSTQ
- ENDP
- ENDSMIN
- ENDSPEC
- RCL
 - IF (POOL.LE.498.AND.QI.LE.255.0) THEN DO SETQ(1)
 - ELSEIF (POOL.LT.567.0) THEN DO RULECURVE
 - IF (DAY.LT.91.OR.DAY.GT.335) THEN DO STPOOLQ(2)
 - ELSE DO STPOOLQ(1)
 - ENDIF
 - DO SETMIN
 - ELSEIF (POOL.GE.567.0.AND.POOL.LT.574.0) THEN DO STPOOLQ(3)
 - ELSEIF (POOL.GE.574.00) THEN DO SPILLWAY
 - ENDIF
- ENDRCL

- RES-SNGL MOORE
- GENERAL
 - UNITS ENGLISHACFT
 - T MOORE DAM
 - PARMS
 - ELVSSTOR769.773.777.781.
 - INTERP LINEAR
 - ENDP
 - TS
 -
 - ENDTS
 - CO
 -
 - ENDCO
- ENDGENL

MOORE(1)

- SPECIFIC
 - RAINEVAP(1)
 - PARMS
 - EVAP
 - DIST
 - TOL
 - ENDP
 - TIME-SERIES
 - ENDTS
 - ENDRAIN
 - FLASHBDS(1)
 - PARMS
 - NBOARDS40
 - GENL-L 792.00797.00802.00809.00 200.00
 - RATING-L792.00794.00796.00798.00.....
 - GENL-G 779.00802.00 6.004
 - RATING-G779.00783.00787.00.....
 - REPLQ
 - GENQ
 - SLUICEQ
 - ENDP
 - CARRYOVER
 - DOWN
 - GATE
 - ENDCO
 - ENDFLASH

MOORE(2)

- POWERGEN
- PARMS
 - TOD
 - DAILY
 - MINQINST
 - MINQDAY
 - HUPPER RULE+1.0
 - HLOWER RULE-1.0
 - QGENMAX 18000
 - CURVE13261 93 121 ...
 - RULETIME
- ENDP
- ENDPOWER
- SUMINF
- PARMS
 - NORMQ
 - ELTEST 809.2
- ENDP
- ENDSUM
- SETQ(1)
- PARMS
 - QVALUE
- ENDP
- ENDSETQ

MOORE(3)

MOORE(4)

- ADJUST(1)
- PARMS
 - BLEND
 - CFACTOR RATIO
- ENDP
- TIME-SERIES

- ENDTS
- CARRYOVER
 - QDIFF
 - STEPS
- ENDCO
- ENDADJ
- ENDSPEC

- RCL
 - DO GOFLASH
 - IF (GOFLASH) THEN DO FLASHBDS
 - ELSE DO POWERGEN
 - IF (QO.LT.100.0) THEN DO SETQ(1)
 - ENDIF
 - ENDIF
- ENDRCL

- RES-SNGL CRIV4 INPUT CO
- GENERAL
 - TITLE 'CORALVILLE RES '
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 655.00 665.00 675.00
 - INTERP LOG
 - ENDP
 - TIME-SERIES
 - INSTQIN CRVI4AIN QINE 6
 - MEANQIN MEANSMIN SQME 6
 - MEANQOUT MEANSMOT SQME 6
 - INSTQOUT INSTSMOT SQIN 6
 - POOL CRVI4 SPEL 6
 - ENDTS
 - CARRYOVER
 - INFLOW 2906.89
 - Q-MEAN 3160.00
 - Q-INST 3270.00
 - POOL0 708.54
 - POOL1 708.53
 - STORAGE 395300.0
 - ENDCO
- ENDGENL

NCRFC(1)

- SPECIFIC
 - RAINEVAP(1)
 - PARMS
 - EVAP .010 .010 .020 .050 .080 ...
 - DIST .25 .50 .20 .05
 - TOL .150
 - ENDP
 - TIME-SERIES
 - PCPN CRVI4ROR MAP 6
 - ADDQ RAINEVP SQME 6
 - ENDTS
 - ENDRAIN
 - BACKFLOW(1)
 - TIME-SERIES
 - OBSQ CRVI4 RQME 24
 - OBSH CRVI4G PELV 6
 - NEWQ INSTAJIN QINE 6
 - ENDTS
 - CARRYOVER
 - ELEV 679.53
 - ENDCO
 - ENDBACK
 - ADJUST(1)
 - TIME-SERIES
 - OBSH CRVI4G PELV 6
 - ADJH CRVI4 PELE 6
 - ENDTS
 - ENDADJ

NCRFC(2)

- SETQ(1)
- PARMS
 - QVALUE 75.0 INST
- ENDP
- ENDSETQ
-
- RULECURVE(1)
- PARMS
 - CURVE 1 46 60 152 166 244 258
- ENDP
- ENDRULE
- SUMINF
- PARMS
 - NORMQ 21000.0
 - ELTEST 712.0
- ENDP
- ENDSUM
- POOLQ(1)
- PARMS
 - POOLVSQ 707.00 708.00
- ENDP
- ENDPOOLQ
-

NCRFC(3)

- STPOOLQ(1)
- PARMS
 - GAGE1
 - CONTROL1 1.0 10999.0 11000.0
 - RISING 655.0 722.0 1 1
 - FALLING 655.0 722.0 1 1
 - LAG/K
 - RES-SNGL QINE
 - 3.000
 - 3.000
 - 0
 - GAGE2
 -
- ENDP
- TIME-SERIES
 - LOCAL1 LTNI4LOC QINE 6
 - LOCAL2 WAPI4LOC QINE 6
- ENDTS
- CARRYOVER
 - GAGE1 10000.000
- ENDCO
- ENDSTPQ
-

NCRFC(4)

- SPILLWAY(1)
- PARMS
 - TYPE UNC
 - CREST 712.00
 - ELVSQ 718.00 720.00
 - INTERP LOG
 - QGEN .00
 - QSLUICE .00
- ENDP
- CARRYOVER
 - OLDQ 3160.00
- ENDCO
- ENDSPWY
- SETMIN(1)
- PARMS
 - TYPE INSTQ
- ENDP
- ENDSMIN
- ENDSPEC

NCRFC(5)

NCRFC(6)

- RCL
 - SET MAY1=121
 - SET DEC15=349
 - IF (POOL.LE.677.00) THEN DO SETQ(1)
 - ELSEIF (POOL.GT.677.00.AND.POOL.LE.678.00) THEN DO SETQ(2)
 - ELSEIF (POOL.GT.678.00.AND.POOL.LE.707.00) THEN DO RULECURVE(1)
 - IF (DAY.LE.MAY1.OR.DAY.GE.DEC15) THEN DO STPOOLQ(1)
 - DO STPOOLQ(3)
 - DO SETMIN
 - IF (QO.LE.150.0) THEN DO SETQ(3)
 - ENDIF
 - IF (QO.GE.10000.0) THEN DO SETQ(5)
 - ENDIF
 - ENDIF
 - IF (DAY.GE.MAY1.AND.DAY.LE.DEC15) THEN DO STPOOLQ(2)
 - DO STPOOLQ(3)
 - DO SETMIN
 - IF (QO.LE.150.0) THEN DO SETQ(3)
 - ENDIF
 - IF (QO.GE.6000.0) THEN DO SETQ(4)
 - ENDIF
 - ENDIF
 - ELSEIF (POOL.GT.707.00.AND.POOL.LE.712.00) THEN DO SETQ(3)
 - IF (DAY.LE.MAY1.OR.DAY.GE.DEC15) THEN DO POOLQ
 - ENDIF
 - IF (DAY.GE.MAY1.AND.DAY.LE.DEC15) THEN DO POOLQ(2)
 - ENDIF
 - ELSEIF (POOL.GT.712.00) THEN DO SPILLWAY
 - ENDIF
- ENDRCL

- RES-SNGL SACANDAG INPUT CO
- GENERAL
 - TITLE 'SACANDAGE RES. '
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 100.0 700. 768.00
 - INTERP LOG
 - ENDP
 - TIME-SERIES
 - INSTQIN HDLN6QI SQIN 6
 - MEANQIN HDLN6QIM SQME 6
 - MEANQOUT HDLN6QOM SQME 6
 - INSTQOUT HDLN6QO SQIN 6
 - POOL HDLPOOL SPEL 6
 - STORAGE HDLSTOR RSTE 6
 - ENDTS
 - CARRYOVER
 - INFLOW 3000.0
 - Q-MEAN 1000.0
 - Q-INST 1000.0
 - POOL0 765.0
 - POOL1 765.0
 - ENDCO
- ENDGENL

NERFC(1)

- SPECIFIC
 - RULECURVE(1)
 - PARMS
 - CURVE 1 254 260 340
 - ENDP
 - ENDRULE
 - RULECURVE(2)
 - PARMS
 - CURVE 1 254 258 338
 - ENDP
 - ENDRULE
 - STPOOLQ(1)
 - PARMS
 - GAGE1 TRIB
 - LAG 0
 - CONTROL1 0.0 2999.0 3000.0 19999.0
 - RISING 700.00 1
 - FALLING 700.00 1
 - CURVE 1 254 260 340 342
 - LAG/K
 - RES-SNGL QINE
 - .000
 - .000
 - 0
 - ENDP

NERFC(2)

- TIME-SERIES
 - LOCAL1 HDYN6HUD QINE 6
- ENDTS
- CARRYOVER
 - GAGE1 3000.000
- ENDCO
- ENDSTPQ
- SPILLWAY(1)
- PARMS
 - TYPE UNC
 - CREST 768.00
 - ELVSQ 100.00 767.00 768.00
 - INTERP LOG
 - QGEN 540.00
 - QSLUICE 2000.00
- ENDP
- CARRYOVER
 - OLDQ 540.00
- ENDCO
- ENDSPWY
- ENDSPEC
- RCL
 - DO STPOOLQ
 - IF (POOL.GE.768.00) THEN DO SPILLWAY
 - ENDIF
- ENDRCL

NERFC(3)

- RES-SNGL TYGART
- GENERAL
 - TITLE 'TYGART DAM '
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 960.00 980.00 990.00
 - INTERP LINEAR
 - ENDP
 - TIME-SERIES
 - INSTQIN TYGW2 SQIN 6
 - MEANQIN TYGW2MNI SQME 6
 - MEANQOUT TYGW2MNO SQME 6
 - INSTQOUT TYGW2OUT QINE 6
 - POOL TYGW2POL SPEL 6
 - ENDTS
 - CARRYOVER
 - INFLOW 15245.95
 - Q-MEAN 7359.00
 - Q-INST 7359.00
 - POOL0 1117.57
 - POOL1 1119.68
 - STORAGE 157554.00
 - ENDCO
- ENDGENL

OHRFC(1)

- SPECIFIC
 - ADJUST(1)
 - TIME-SERIES
 - OBSH TGLW2 PELV 6
 - ADJH TYGW2PA PELE 6
 - ENDTS
 - ENDADJ
 - RULECURVE(1)
 - PARMS
 - CURVE 1 74 121 343 365
 - ENDP
 - ENDRULE
 - SETQ(1)
 - PARMS
 - QVALUE 340.0 INST
 - ENDP
 - ENDSETQ
 - SETQ(2)
 -
 - ENDSETQ
 - \$
 - SETMAX(1)
 - PARMS
 - TYPE INSTQ
 - ENDP
 - ENDSMAX

OHRFC(2)

OHRFC(3)

- SETMIN(1)
- PARMS
 - TYPE INSTQ
- ENDP
- ENDSMIN
- \$
- POOLQ(1)
- PARMS
 - POOLVSQ 995.0 1020.0 1040.0 1060.0
- ENDP
- ENDPOOLQ
- POOLQ(2)
 -
- ENDPOOLQ
- ENDSPEC
- RCL
 - IF (POOL.GE.1152.00.AND.RISING) THEN DO POOLQ(1)
 - ELSEIF (POOL.GE.1136.00.AND.POOL.LT.1152.00) THEN DO POOLQ(2)
 - ELSEIF (POOL.LT.1136.00) THEN DO RULECURVE
 - IF (POOL.GT.1094.00) THEN DO SETQ(2)
 - DO SETMAX
 - ELSE
 - DO SETQ(1)
 - DO SETMIN
 - ENDIF
 - ENDIF
- ENDRCL

- RES-SNGL TYLA1
- GENERAL
 - TITLE 'R.F. HENRY L&D '
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 64.00 80.00 85.00 91.00
 - INTERP LINEAR
 - ENDP
 - TIME-SERIES
 - INSTQIN ADJINFW SQIN 6
 - MEANQIN INFLOW SQME 6
 - MEANQOUT TYLA1 SQME 6
 - INSTQOUT TYLA1 SQIN 6
 - POOL TYLA1 SPEL 6
 - ENDTS
 - CARRYOVER
 - INFLOW 12486.80
 - Q-MEAN 10302.79
 - Q-INST .00
 - POOL0 125.12
 - POOL1 124.99
 - STORAGE 234088.69
 - ENDCO
- ENDGENL

SERFC(1)

- SPECIFIC

- ADJUST(1)
- TIME-SERIES
 - OBSQOM TYLA1 RQME 6
 - OBSH TYLA1 PELV 6
 - ADJQO TYLA1 QINE 6
 - ADJQOM TYLA1 RQMP 6
 - ADJH TYLA1 PELE 6
- ENDTS
- ENDADJ
- SETH(1)
- PARMS
 - HVALUE 124.0
- ENDP
- ENDSETH
- FILLSPILL(1)
- PARMS
 - QLIM 124500.
 - TYPE GATED
 - CREST 91.0
 - ELVSQ 91.0 125.00 126.00 127.00 128.

SERFC(2)

SERFC(3)

- PASSEL 125.0
- HEADVSQ 0.1 10.0 15.0 20.0 25.0
- TWCURVE TYLA1
- ENDP
- CARRYOVER
 - OLDQ 8800.0
- ENDCO
- ENDFILL
- ENDSPEC

- RCL
 - \$IF (QI.GT.49971.55.AND.QI.LE.124428.53) THEN DO PASSFLOW
 - \$ELSEIF (QI.GT.124428.53) THEN DO POOLQ
 - \$ELSE DO RULECURVE
 - \$ENDIF
 - DO FILLSPILL
 - IF (POOL.LE.124.0) THEN DO SETH(1)
 - ENDIF
- ENDRCL

- RES-SNGL MSDT2
- GENERAL
 - TITLE 'LAKE TRAVIS '
 - UNITS ENGLISH ACFT
 - PARMS
 - ELVSSTOR 510.00 540.00 541.00
 - INTERP LINEAR
 - ENDP
 - TIME-SERIES
 - INSTQIN INFLOW SQIN 6
 - MEANQIN INFLOW SQME 6
 - MEANQOUT MSDT2 SQME 6
 - INSTQOUT MSDT2 QINE 6
 - POOL MSDT2 SPEL 6
 - ENDTS
 - CARRYOVER
 - INFLOW 9631.73
 - Q-MEAN 1050.00
 - Q-INST 2025.00
 - POOL0 663.55
 - POOL1 663.85
 - STORAGE 881120.44
 - ENDCO
- ENDGENL

WGRFC(1)

- SPECIFIC
 - RAINEVAP(1)
 - PARMS
 - EVAP .070 .090 .130 .150 .180
 - DIST .30 .40 .20 .10
 - TOL .100
 - ENDP
 - TIME-SERIES
 - PCPN MSDT2D MAPX 6
 - ADDQ RAINEVAP SQME 6
 - ENDTS
 - ENDRAIN
 - SETQ(1)
 - PARMS
 - QVALUE TS
 - OPTION 4
 - ENDP
 - TIME-SERIES
 - SQTS MSDT2 RQOT 6
 - ENDTS
 - CARRYOVER
 - OLDQ .00 .00 3000.00 1050.00
 - ENDCO
 - ENDSETQ

WGRFC(2)

- BACKFLOW(1)
- TIME-SERIES
 - OBSQ MSDT2 RQME 24
 - OBSH MSDT2 PELV 6
 - NEWQ INFLOW QINE 6
- ENDTS
- CARRYOVER
 - ELEV 663.85
- ENDCO
- ENDBACK
- ADJUST(1)
- PARMs
 - BLEND 4
 - CFACTOR DIFF
- ENDP
- TIME-SERIES
 - OBSQO MSDT2 RQOT 6
 - OBSQOM MSDT2 RQME 24
 - OBSH MSDT2 PELV 6
 - ADJH MSDT2 PELE 6
 - ADJS MSDT2 RSTE 6
- ENDTS
- CARRYOVER
 - QDIFF 550.01
 - STEPS 0
- ENDCO
- ENDADJ
- ENDSPEC

WGRFC(3)

WGRFC(4)

- RCL
 - DO SETQ
- ENDRCL