CNWRA INFORMATION PROCESSING STANDARD SOFTWARE SUMMARY

01. Summary Date			02. Summary prepared by *(Name and phone)*	03. Summary action
Yr.	Mo.	Day	JuneTzke 3318	New ☒ Replacement ☐ Deletion ☐
92	10	20	03. Software title: TPA/FLOW MOD	Previous Internal Software ID
04. Software Date				
Yr.	Mo.	Day		
92	10	20		

06. Short title: FLOW MOD

07. Internal Software ID:

08. Software type
- ☐ Automated Data System
- ☐ Computer Program
- ☒ Subroutine/Module

09. Processing Mode
- ☐ Interactive
- ☐ Batch
- ☒ Combination

10. APPLICATION AREA

General
- ☐ Computer Systems Support/Utility
- ☒ Scientific/Engineering
- ☐ Bibliographic/Textual
- ☐ Management/Business
- ☐ Process Control
- ☐ Other

Specific

11. Submitting organization and address: NRC

12. Technical contact(s) and phone: Tim McCartin 301-492-3847

13. Narrative: Data files for LHS and FLOW MOD. See attachments.

14. Keywords: TPA, FLOWMOD, LHS

15. Computer manufacturer and model	16. Computer operating system	17. Programming language(s)	18. Number of source program statements
DEC/VAX	VMS	FORTRAN	

19. Computer memory requirements	20. Tape drives	21. Disk/Drum units	22. Terminals

23. Other operational requirements:

24. Software availability
- Available ☐
- Limited ☐
- In-house only ☒

25. Documentation availability
- Available ☐
- Inadequate ☒
- In-house only ☐

26. FOR SUBMITTING ORGANIZATION USE:

CNWRA INFORMATION PROCESSING STANDARD SOFTWARE SUMMARY

01. Summary Date			02. Summary prepared by (Name and phone)	03. Summary action
Yr.	Mo.	Day	Ron Janetzke (512) 522-3318	New ☐ Replacement ☐ Deletion ☐
92	04	06	03. Software title	Previous Internal Software ID
04. Software Date				
Yr.	Mo.	Day		
92	03	18	FLOW MOD	

06. Short title: FLOW MOD

07. Internal Software ID:

08. Software type	09. Processing Mode	10. APPLICATION AREA General		Specific
☐ Automated Data System	☐ Interactive	☐ Computer Systems Support/Utility	☐ Management/Business	Modelling for Performance Assessment
☒ Computer Program	☒ Batch	☒ Scientific/Engineering	☐ Process Control	
☐ Subroutine/Module	☐ Combination	☐ Bibliographic/Textual	☐ Other	

11. Submitting organization and address	12. Technical contact(s) and phone
NRC	Tim McCartin

13. Narrative

Module to be integrated into the TPA System code.

14. Keywords

15. Computer manufacturer and model	16. Computer operating system	17. Programming language(s)	18. Number of source program statements
IBM	VM	FORTRAN	1393
19. Computer memory requirements	**20. Tape drives**	**21. Disk/Drum units**	**22. Terminals**

23. Other operational requirements

24. Software availability			25. Documentation availability		
Available	Limited	In-house only	Available	Inadequate	In-house only
☐	☒	☐	☐	☒	☐

26. FOR SUBMITTING ORGANIZATION USE

CNWRA INFORMATION PROCESSING STANDARD SOFTWARE SUMMARY

01. Summary Date			02. Summary prepared by *(Name and phone)*	03. Summary action
Yr.	Mo.	Day	Janet Zke 3318	New ☐ Replacement ☒ Deletion ☐
92	12	28	03. Software title: FLOW MOD Data files.	Previous Internal Software ID
04. Software Date				
Yr.	Mo.	Day		
92	12	28		

06. Short title: FLOW MOD

07. Internal Software ID:

08. Software type
- ☐ Automated Data System
- ☐ Computer Program
- ☐ Subroutine/Module

09. Processing Mode
- ☐ Interactive
- ☐ Batch
- ☐ Combination

10. APPLICATION AREA

General		Specific
☐ Computer Systems Support/Utility	☐ Management/Business	
☐ Scientific/Engineering	☐ Process Control	
☐ Bibliographic/Textual	☐ Other	

11. Submitting organization and address: NRC

12. Technical contact(s) and phone: Tim McCartin

13. Narrative: See Attachment.

14. Keywords: FLOW MOD, LHS, PLUVIAL

15. Computer manufacturer and model	16. Computer operating system	17. Programming language(s)	18. Number of source program statements

19. Computer memory requirements	20. Tape drives	21. Disk/Drum units	22. Terminals

23. Other operational requirements:

24. Software availability
- Available ☐
- Limited ☐
- In-house only ☒

25. Documentation availability
- Available ☐
- Inadequate ☒
- In-house only ☐

26. FOR SUBMITTING ORGANIZATION USE:

RON:

3 data sets for production runs

KDDEC92.LHS — Kd's for FLOWMOD LHS files (Base + Pluvial)

FLWDEC92.BAS — FLOWMOD input file for Base Case

FLWDEC92.PLU - FLOWMOD input file for Pluvial case

Tim McCartin

Ron:

Let's try it again - I hope this data set is the final time this has to be sent. Disregard all other data sets for the production runs. The disk contains three data sets (base case production runs, pluvial case production runs, and reality check data sets). The specifics are:

Production run base case data set

BASEFLW.PRD	-	the input file for FLOWMOD base case conditions
BASELHS.PRD	-	the LHS file for the FLOWMOD parameters
FLXTAB.PRD	-	UNIT 21 file used in FLOWMOD
INFTAB.PRD	-	UNIT 20 file used in FLOWMOD

Production run pluvial case data set

PLUVFLW.PRD	-	the input file for FLOWMOD pluvial conditions
PLUVLHS.PRD	-	the LHS file for the FLOWMOD parameters (only the infiltration varies between this file and the one used for the base case conditions)
FLXTAB.PRD	-	use same file as base case above
INFTAB.PRD	-	use same file as base case above

Reality check data set

REALITY.FLW	-	the input file for FLOWMOD reality checks
REALITY.LHS	-	the LHS file for FLOWMOD parameters
FLXTAB.RTY	-	UNIT 21 file used in FLOWMOD
INFTAB.RTY	-	UNIT 20 file used in FLOWMOD

Please call me if you have any questions about the data.

Tim McCartin