

ATTACHMENT 1

**Runoff Hydrograph and Routing Computer Programs Accepted by the
St. Johns Rivers Water Management District
for use in MSSW and Stormwater Applications**

Program Name	Company Name	Rainfall Excess	Hydro-graph	Pond Routing	Channel Routing
Advanced ICPR	AET			ICPR	
BRN Ver. 3	Jim Boyd	CN	SCSUH	ICPR	
CHAN	Aquarian Software			Hd	Hd
DABRO	HES	CN	COEUH	SI	
Detention Design Version 1	Bessent Hammack Ruckman	CN	SCSUH	SI	
DRAINCALC	Hydro Systems	CN	Tabular Method	SI	SI
EXTRAN	CDM			SV	SV
HEC-1	Corps of Engineers	CN	SCSUH	SI	SI, KW, Musk.
HROUTE	Summit Software	CN	SBUH COEUH	Puls	
HYDRO/PLUS	Plus III Software	CN	SCSUH		
HydroCAD	AMS	CN	SCSUH	SI	SI
HYDROS 2.0	Thomas Debo	CN	SCSUH	Puls	Musk.
ICPR	AET			ICPR	
KESICPR	KES			ICPR	
MBAR	K. Kniel	CN	SBUH SCSUH	ICPR	
M&M Hydrologic & Hydraulic Models	Miller & Miller	CN	SCSUH	ICPR	
Pond-2	Haestad Methods			SI	

ATTACHMENT 1. (cont.)

Program Name	Company Name	Rainfall Excess	Hydro-graph	Pond Routing	Channel Routing
PONDNET	DRMP	CN	SBUH	ICPR	
QUICK TR-55	Haestead Methods				
RESVOIR	CIVILSOFT			SI	
RUNOFF	CDM	GA Horton	KW	SI	NR
SBUH	Higgins Engineering	CN	SBUH		
SBUH	HES	CN	SBUH		
SBUH	AET	CN	SBUH		
SCSHYD	CIVILSOFT	CN	SCSUH		
SCSUNIT	Aquarian Software	CN	SCSUH		
SEH	Aquarian Software	CN	SBUH S C S U H KW, SUH		
SMADA	Dr. Marty Wanielista	CN Horton	SBUH DUH	SI	SI
STORMS	KES	CN	SCSUH	SI	
STORMSF	KES	CN	SCSUH	SI	Att-Kin
SUPRA-1	SES	CN	SCSUH SBUH	SI	Musk.
SUPRA-2	SES			ICPR	
SWAMP	J. Lewis	CN	SBUH	SI	
SWAMPUM	J. Lewis	CN	SCSUH	SI	
TR-20	SCS	CN	SCSUH	SI	Att-Kin
WAMAN	PBSJ	CN	SCSUH	ICPR	

Note: The SJRWMD does not endorse any specific program or certify the program results.

ATTACHMENT 1. (cont.)

KEY TO ABBREVIATIONS

Technical Abbreviations

Att-Kin	Attenuation-Kinematic
CN	Curve Number
COEUH	Corps of Engineers Unit Hydrograph
DUH	Discrete Unit Hydrograph
GA	Green Ampt
Hd	Hydrodynamic
ICPR	Inter-connected Pond Routing
KW	Kinematic Wave
Musk.	Muskingum
NR	Non-linear Reservoir
SBUH	Santa Barbara Urban Hydrograph
SCSUH	Soil Conservation Service Unit Hydrograph
SI	Storage Indication
SUH	Snyder Unit Hydrograph
SV	St. Venant

Company Name Abbreviations

AET	Advanced Engineering Technologies
AMS	Applied Microcomputer Systems
CDM	Camp, Dresser & McKee
DRMP	Dyer, Riddle, Mills & Precourt
HES	Hilbern Engineering Software
KES	Knowles Engineering Software
PBSJ	Post, Buckley, Schuh & Jernigan
SCS	Soil Conservation Service
SES	Supra Engineering Software