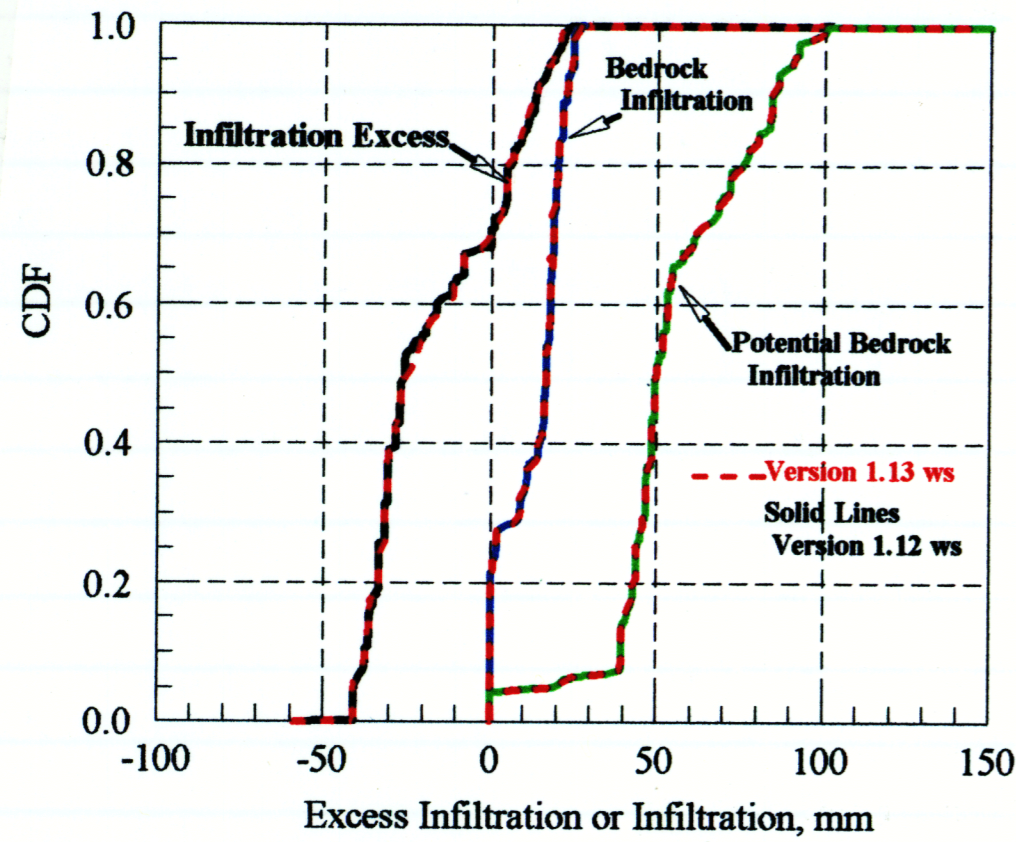


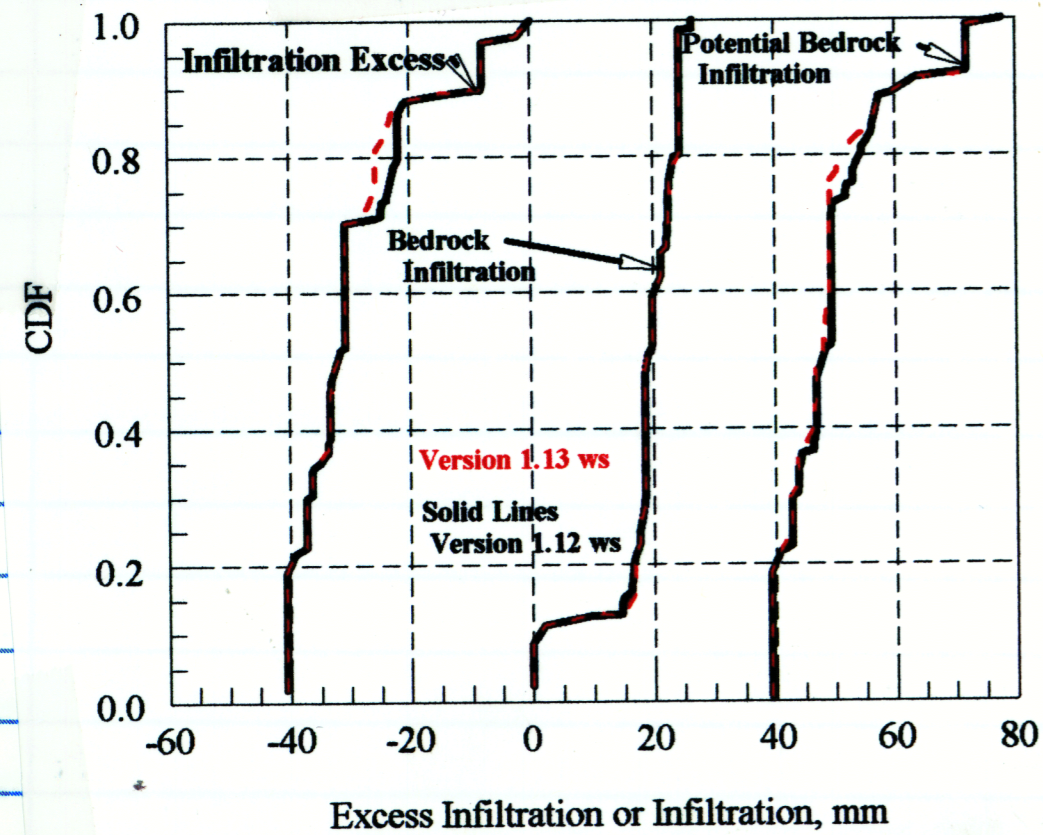
Daw 5-11-05 Runoff Comparisons (Cont)



CDFs for Event S8\_3995B, 80.3 mm, API = 41 mm (Runs APISW\_17B&C)

Data: C: | USW\_03 | OUTREAL3 | APISW\_17B.OUT (Program version 1.12ws) | APISW\_17C.OUT (Program version 1.13ws)  
 Fig: C: | VALIDATION\_SWRI | VALIDATION\_05 | APISW\_17WSHEDCOMPARE.pgw daw 5-11-05

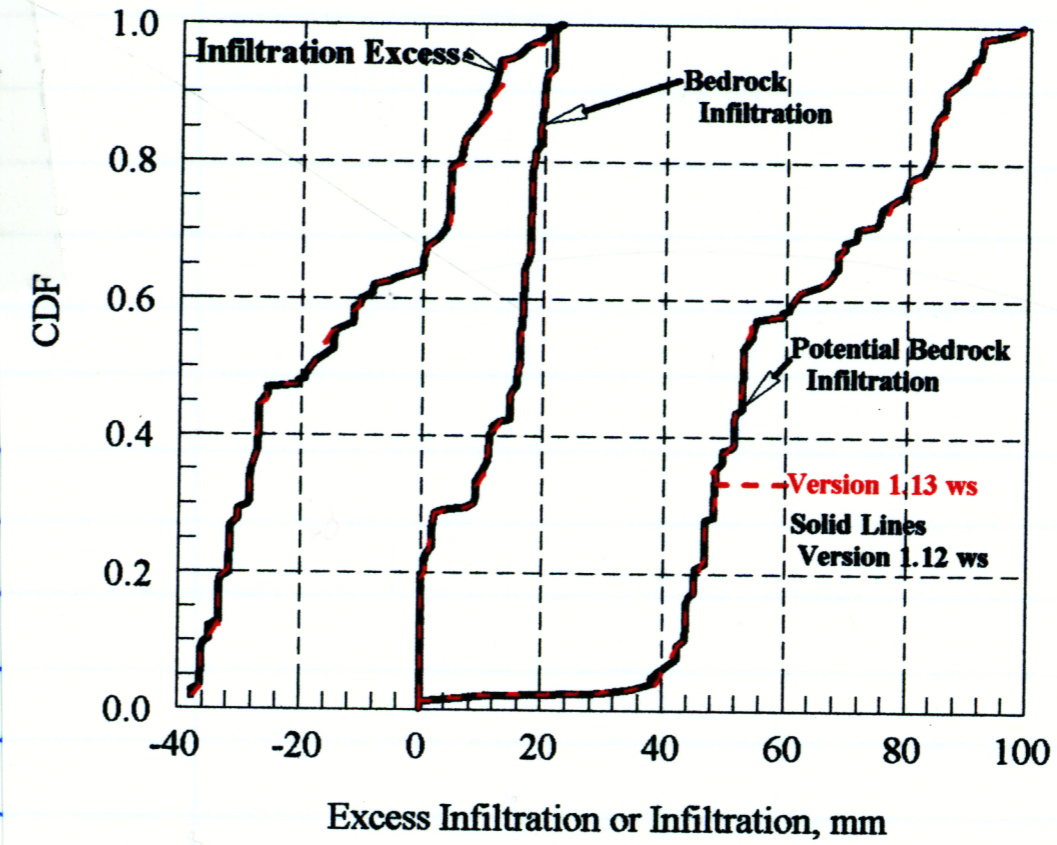
For the entire watershed, CDFs for this event (and also APISW-13) are virtually indistinguishable. For ridge elements (shown below) there are small differences in the CDFs of infiltration excess and potential bedrock infiltration, consistent with the figure on p 205.



CDFs for Upper Split Wash Ridge Elements, Event S8\_3995B, 80.3 mm, API = 41 mm (Runs APISW\_17B&C)

Data: C: | USW\_03 | OUTREAL3 | APISW\_17B.OUT (Program version 1.12ws) | APISW\_17C.OUT (Program version 1.13ws)  
 Fig: C: | VALIDATION\_SWRI | VALIDATION\_05 | APISW\_17RIDGE\_COMPARE.pgw daw 5-12-05

Daw 5-12-05 Runoff Comparisons versions 1.12ws vs 1.13ws

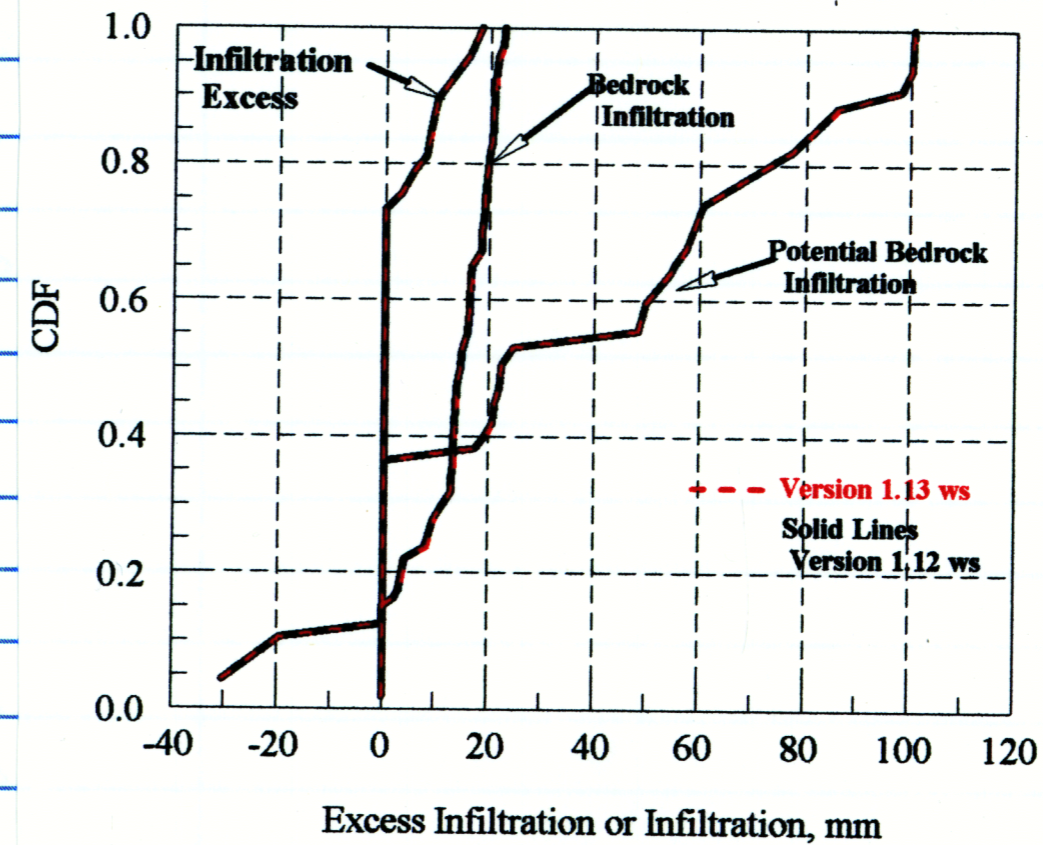


CDFs for Upper Split Wash Slope Elements, Event S8\_3995B, 80.3 mm, API = 41 mm (Runs APISW\_17B&C)

Data: C: | USW\_03 | OUTREAL3 | APISW\_17B.OUT (Program version 1.12ws) | APISW\_17C.OUT (Program version 1.13ws)  
 Fig: C: | VALIDATION\_SWRI | VALIDATION\_05 | APISW\_17SLOPECOMPARE.pgw daw 5-12-05

An inspection of the CDFs for slope elements and toe-of-slope elements (this page) shows that the results are indistinguishable.

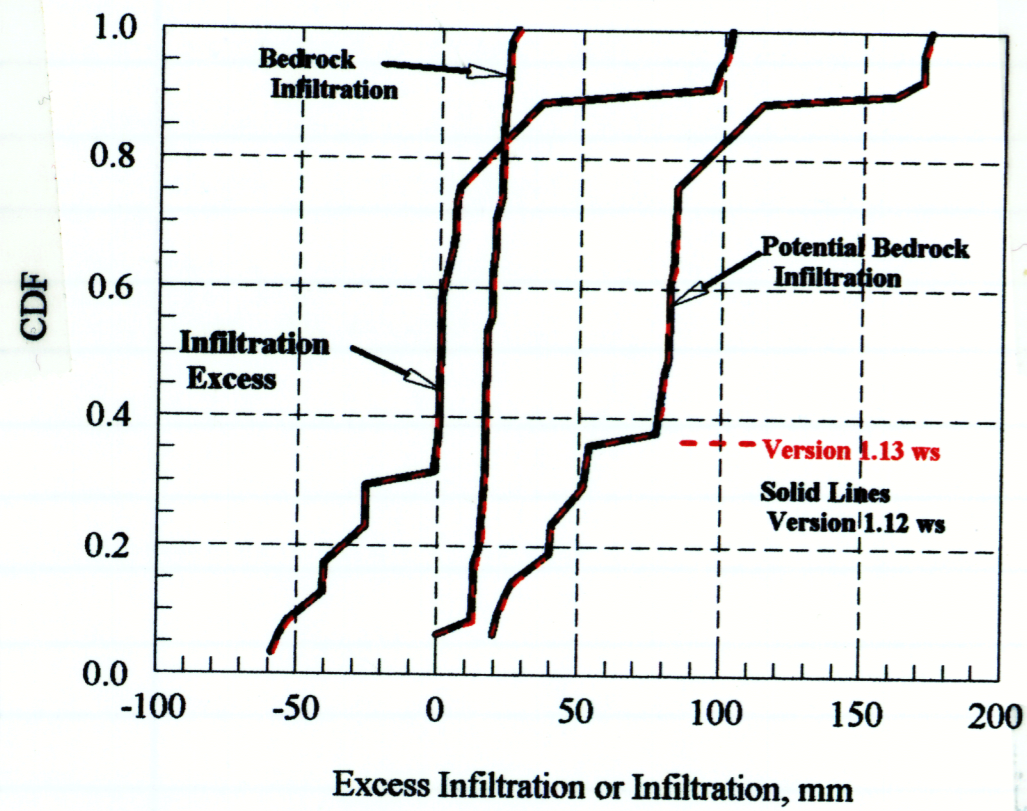
The CDFs for channel elements are shown on p 208.



CDFs for Upper Split Wash Toe of Slope Elements, Event S8\_3995B, 80.3 mm, API = 41 mm (Runs APISW\_17B&C)

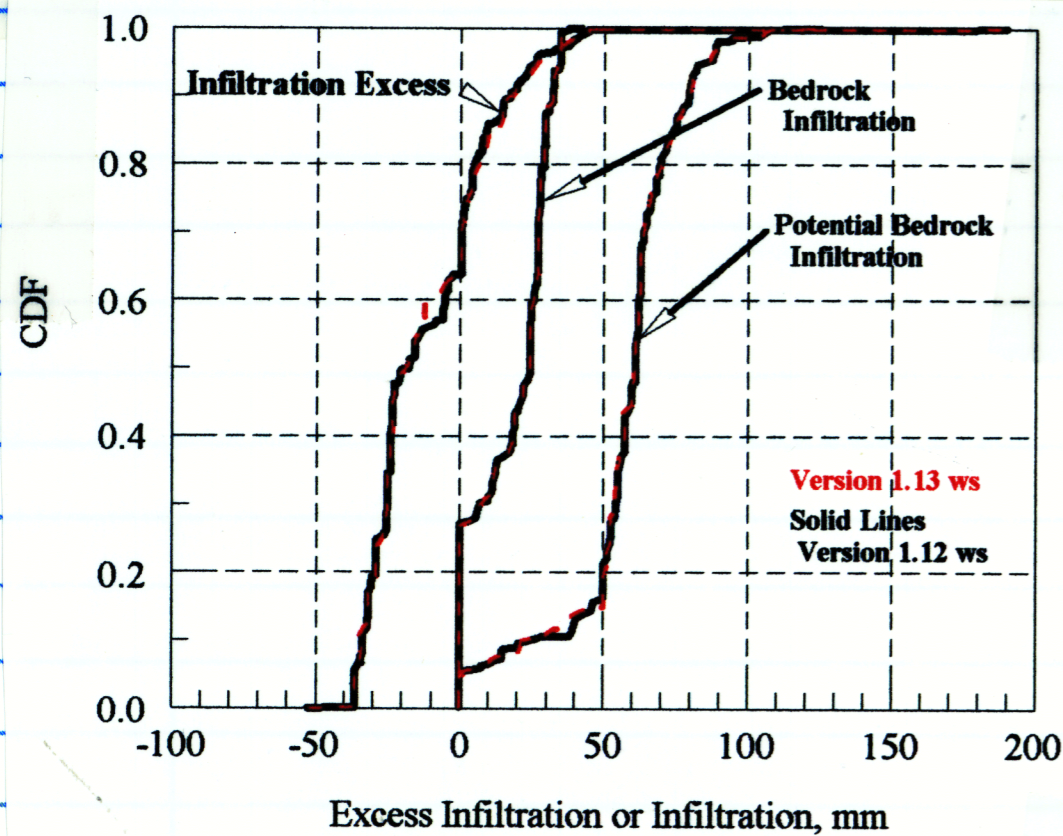
Data: C: | USW\_03 | OUTREAL3 | APISW\_17B.OUT (Program version 1.12ws) | APISW\_17C.OUT (Program version 1.13ws)  
 Fig: C: | VALIDATION\_SWRI | VALIDATION\_05 | APISW\_17TOE\_COMPARE.pgw daw 5-12-05

daw 5-19-05 Comparison of KINEROS2 versions 1.12ws + 1.13ws.



CDFs for Upper Split Wash Channel Elements, Event S8\_3995B, 80.3 mm, API = 41 mm (Runs APISW\_17B&C)

Data: C:\USW\_03\OUTREAL3\APISW\_17B.OUT (Program version 1.12ws)  
 | APISW\_17C.OUT (Program version 1.13ws)  
 Fig.: C:\VALIDATION\_SWRI\VALIDATION\_05\APISW\_17CHAN\_COMPARE.pgw  
 daw 5-12-05



CDFs for Upper Split Wash Watershed Event S18\_95\_2, 86.7 mm, API = 10 mm (Runs APISW\_12B&C)

Data: C:\USW\_03\OUTREAL3\APISW\_12B.OUT (Program version 1.12ws)  
 | APISW\_12C.OUT (Program version 1.13ws)  
 Fig.: C:\VALIDATION\_SWRI\VALIDATION\_05\APISW\_12WASHEDCompare.pgw  
 daw 5-12-05

Finally a plot of CDFs of runs API\_12B and C is shown. This event had a lower API (10 mm vs 41 mm). There is a minor difference between the infiltration excess cdfs but the bedrock and potential bedrock infiltration CDFs are again nearly the same. Because the major objective of this study has been to estimate deep infiltration, I conclude that the differences between the two versions are scientifically insignificant.

daw 8-3-05 Run APISW-1C with Kineros 1.13ws.

Control file: c:\validation\_SWRI\VALIDATION\_05\APISW\_1C  
 output file c:\USW\_03\OUTREAL3\APISW\_1C.OUT  
 0.03 mm runoff

Program: C:\VALIDATION\_SWRI\VALIDATION\_05\K2WSnew\KIN2WS  
 dated 5/5/2005.

Copy summary from x.OUT file to \*.SUM file.

Get CDFs for this run.

Control file: c:\USW\_03\APISW\_1C.CON

COMPUTER PROGRAM: C:\USW\_02\STORMCDF.F95

OUTPUT in C:\USW\_03\CDFREAL3\ASW\_1C.CDF

Also create CDF files for APISW-15C

copy SUMMARY from x.OUT file to \*.SUM file

CONTROL FILE: C:\USW\_03\APISW\_15C.CON

Output in C:\USW\_03\CDFREAL3\ASW\_15C.CDF

Output for this storm and those on p 203 were entered in a Quattro Pro worksheet C:\USW\_05\RUNON-TABLE.gpw

This table was sent to Stuart Stothoff on 8-4-05. For an update of the TPA adjustments. See p 163.

Daw 1-29-07 Continued version of KINEROS2  
 For reference see: my documents\SWRT\_06\Proposed Pilot Study a.wpd  
 R.E. Smith completed a run for the period  
 June 1987 - Dec 1994 for the 3 plane Upper Split  
 Wash cascade (planes 116, 117 and 118). His summary  
 monthly output file is: c:\KINEROS-06\SW-118mon.out.  
 For each plane, the following data are shown for  
 each month:

rain soil water seepage runoff runoff ET  
 All units are in  $m^3$  to facilitate volume balance  
 checking. For presentations and comparisons with  
 event based KINEROS or OPUS results, units of mm  
 would be preferable.

The areas of each plane are:

Plane	Area ( $m^2$ )	L	W	THICK	S	Multiplier to get mm
116	341.6	48.8	7.0	250	0.468	2.927
117	494.84	35.6	13.9	250	0.505	2.0209
118	360.22	21.7	16.6	3000	0.357	2.776

Above information from: c:\USW-07\SWCHJ\_0L.PAR

The file c:\KINEROS-06\SW-118mon.out was edited to remove  
 unneeded information headings and given unique column names  
 and was saved as SW-118mon.dat

All information from this file was imported into a  
 PsiPlot spreadsheet, the data were converted to units of  
 millimeters in separate columns and saved in SW-118mon.pdw

Daw 1-31-07 Plotted data with PSIPLOT

Some discrepancies were identified in the output.  
 This information was provided to R.E. Smith who  
 worked with ARS-Tucson to correct them.

2-27-07 Daw Check Continuous Version KINEROS2+

A new output file was obtained from R.E. Smith. The ASCII  
 file was edited and incorporated into file:  
 c:\KINEROS-06\SW-118monB.pdw.

To get runoff per unit contributing area

Plane	Cont. Area ( $m^2$ )	Multiple to get mm
116	341.6	2.927
117	836.44	1.194
118	1,196.66	0.8357

3-1-07 Daw. Diagnostics

To check water balance columns for precipitation,  
 seepage, Runoff, Runon and ET were summed for each  
 element. Units are  $m^3$ . Duration was 111 months.

Plane	Precipitation	runon	seepage	Runoff	ET	Error $\Delta$ storage
116	523.19	0	153.5	26.26	367.22	-19.0
117	757.91	26.26	228.95	58.54	530.41	-27.67
118	561.8	58.54	205.32	4.92	442.04	-35.21

Water balance: Inflow = outflow +  $\Delta$  storage + error

	Error ( $m^3$ )	% of inflow
116	-4.19	-0.80
117	-6.06	-0.77
118	3.27	0.52
Global error		= -0.38%

Given the model complexity and approximation errors due  
 to finite difference increments in space and time, this is  
 acceptable.

Daw 3-8-07 Continuous Kineros - Compare selected monthly totals with event based version.

During the months of Jan., Feb. and Mar. 1995 there were 4 significant precipitation events. They occurred on Jan 4-7, Jan 21-26, Feb. 28 and Mar. 9-11.

SWTBC-11  
 SWTBC-12 Daw 3-8-06  
 SWTBC-17  
 SWTBC-

From p 173, The KINEROS2 runs during that period were: (in c:\VSW-03\OUTREAL2

File Name	Precip date
API SW-11B	Jan 4-7, '95
API SW-12B	Jan 21-26
API SW-18B	Feb 28
API SW-17C	Mar 9-11

Seepage in mm for planes 116, 117 and 118 for these runs was obtained from \*.OUT files in c:\VSW-03\OUTREAL2

File	Seepage in mm			
	116	117	118	APT
Jan -11	30.11	30.11	0.0	26.0
-12	64.76	66.33	0.0	10.0
-18	25.93	25.93	0.0	5.2
-17	59.38	60.50	0.0	41.0

Month	From KINEROS2+			
	116	117	118	Rain
Jan	21.28	27.24	85.31	126.06
Feb	19.44	18.71	24.12	31.02
Mar	63.52	66.02	176.94	106.02

Jan

Daw 3-8-07

The January seepage for KINEROS2 is greater than for KINEROS2+, possibly reflecting a difference in initial water content of the soil. For Feb and Mar. the seepage quantities for both 116 and 117 are reasonably close for both models. The striking difference is the absence of seepage for plane 118 and KINEROS2. Two possibilities should be examined

- 1) The difference in the soil water profiles at the beginning of precipitation events
- 2) Greater runoff infiltration for KINEROS2+ because microtopography is not included

Compare runoff runoff and infiltration for <sup>Jan, Feb + Mar 1995</sup> 118 (units are m<sup>3</sup>)

	KINEROS2 Daw 3-8-06			KINEROS2+		
	Runoff	Infil	Seepage	Runoff	Infil	Seepage
Jan	0+13.99	0+10.20	10.95 + 35.03 18.13 + 12.40	21.33	0.94	85.31
Feb	0	0	12.65	0	0	24.12
Mar	16.60	12.88	32.62	28.81	0.78	176.94

Thus plane 118 shows greater runoff and less runoff for KINEROS2+.

3-20-07 Diagnostics KINEROS2+

R.E. Smith sent new output file for planes 116, 117 and 118

File Name: c:\KINEROS-06\SW-118manD.OUT

Import to PSIplot + get Column Statistics Units are m<sup>3</sup>

Plane	Precip	Seep		runoff	runon	ET	vel error (%)	Δ Storage
		runon	runoff					
116	519.29	153.56	25.81	0	354.09	0.44	-6.56	
117	752.27	229.33	57.05	25.81	512.61	0.64	-21.54	
118	547.57	206.58	4.88	57.05	423.88	0.59	-31.26	

Daw 3-20-07

check water balance

$$\text{Precip} + \text{runon} = \text{runoff} + \text{seep} + \text{ET} + \Delta \text{stor} + E$$

	Error E m <sup>3</sup>	
116	-7.61	-1.46
117	0.63	+0.08
118	0.54	+0.01

Daw 3-21-07

R.E. Smith sent an output file for the hillslope sequence 181, 182, 183, 184, 185

File: c:\KINEROS.06\SW-185mon.out

The areas of each plane and other relevant information is shown below.

Plane	L(m)	W(m)	Area(m <sup>2</sup> )	S	Thick(mm)	RE(mm)	Convert to mm
181	34.0	21.7	737.8	0.215	120	50.	1.355
182	65.5	54.3	3,556.65	0.386	180	50.	0.281
183	26.8	50.2	1,345.36	0.455	280	100.	0.743
184	40.6	44.2	1,794.52	0.480	800	100.	0.557
185	12.3	22.6	277.98	0.223	1500	150.	3.597

Above information from c:\USW-02\SWCHJ-0L.PAR

Error Statistics						
% of inflow	Plane	Sum(m <sup>3</sup> )	Maximum/mo-yr	Minimum/mo-yr	Δstor	
-0.61	181	<del>407</del> 407	0.82	0.54	0.46	Jan 3-21-07 -3.17 Dec '92 -39.2
-0.19	182	-10.72	1.45	-6.96	Max '95	-161.96
-0.005	183	-8.51	0.63	-4.49	Max '95	-80.54
-0.5	184	-16.83	2.43	-12.75	Mar '95	-177.58
-0.6	185	-4.02	0.54	-3.65	Mar '95	-27.41

Daw 3-21-07

Convert Input & output to mm for qualitative check

Plane	Precip	Seepage	runoff	runon	ET	Δstor
181	1121.7	355.48	111.03	0	694.25	m <sup>3</sup> -39.2
	1,519.9	481.68	150.45	0	970.71	mm
182	5,407.17	1676.22	498.72	111.03	3523.13	-161.91
	1,519.4	471.02	146.14	31.20	990.0	
183	2,045.37	682.41	533.29	498.72	1,417.38	-80.54
	1,519.7	507.03	396.23	370.54	1,053.11	
184	2,728.18	1043.87	264.46	533.29	2,147.68	-177.58
	1,519.6	581.43	147.30	297.04	1,196.25	
185	422.67	176.99	209.86	264.46	331.65	-27.41
	1,520.3	636.63	754.87	451.26	1,192.94	

3-22-07 Daw.

There are a total of 99 months, so an approximate value for mm/y would be to divide sums by 99/12 = 8.25

Approximate Annual Values (mm/y)

Plane	Precip	Seepage	Runoff	Runon	ET	Accumulative Area m <sup>2</sup>	Factor
181	184	56	18	0	118	737.8	1.355
182		57	17/14	4	120	4,294	0.232
183		61	48/11	45	128	5,640	0.177
184		70	18/4	36	145	7,434	0.134
185		77	91.49/33	115	145	7,712	0.130

Daw 3-22-07

181	182	183	184	185
-6.86	-17.96	-8.45	-16.96	-3.96
-0.61%	-0.32%	-0.33	-0.52	-0.58
				mm <sup>3</sup>
				% of inflow

DAW 8-30-07 Comparison of KINEROS 2+ and KINEROS 2 (Cont)

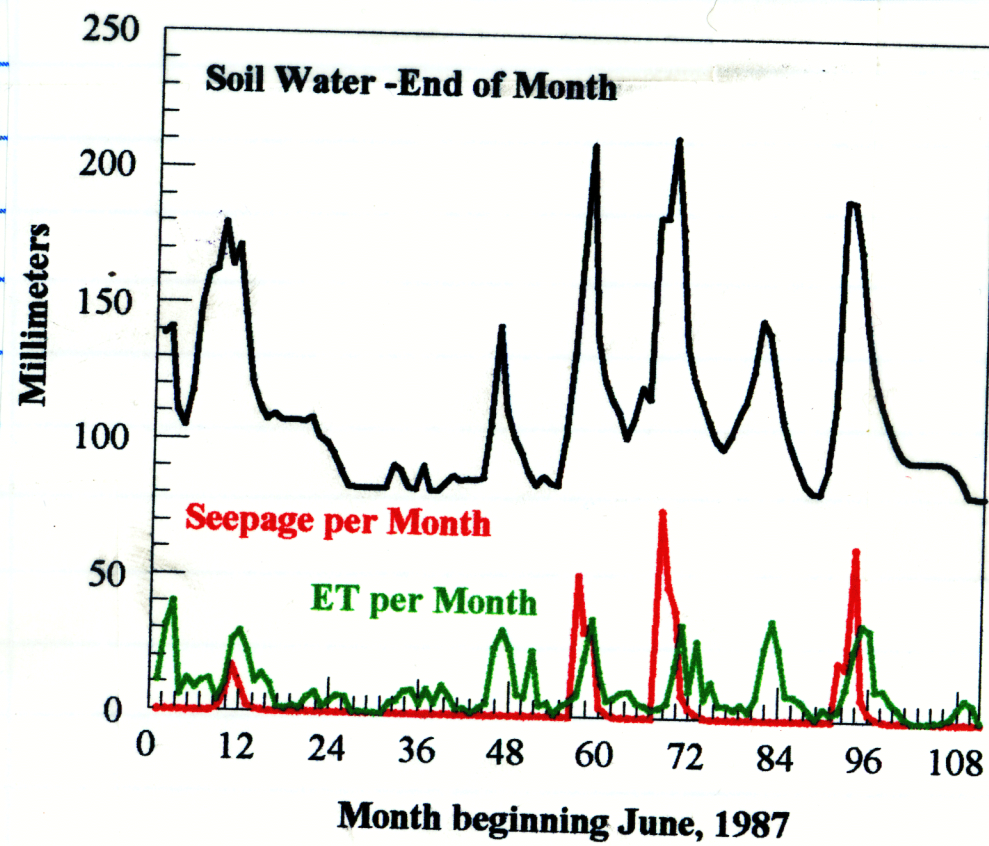
Prepare graphics to demonstrate K2+ capabilities

Data file: C:\KINEROS\_06\SW-118MON.PDW

1. Create columns converting monthly quantities from  $m^3$  to mm/unit area

DAW 9-19-07 - ~~11/11/07~~

Figures prepared with PST-Plot were copied to Word Perfect file C:\KINEROS-06\Pilot Study Graphs.wpd and are shown below

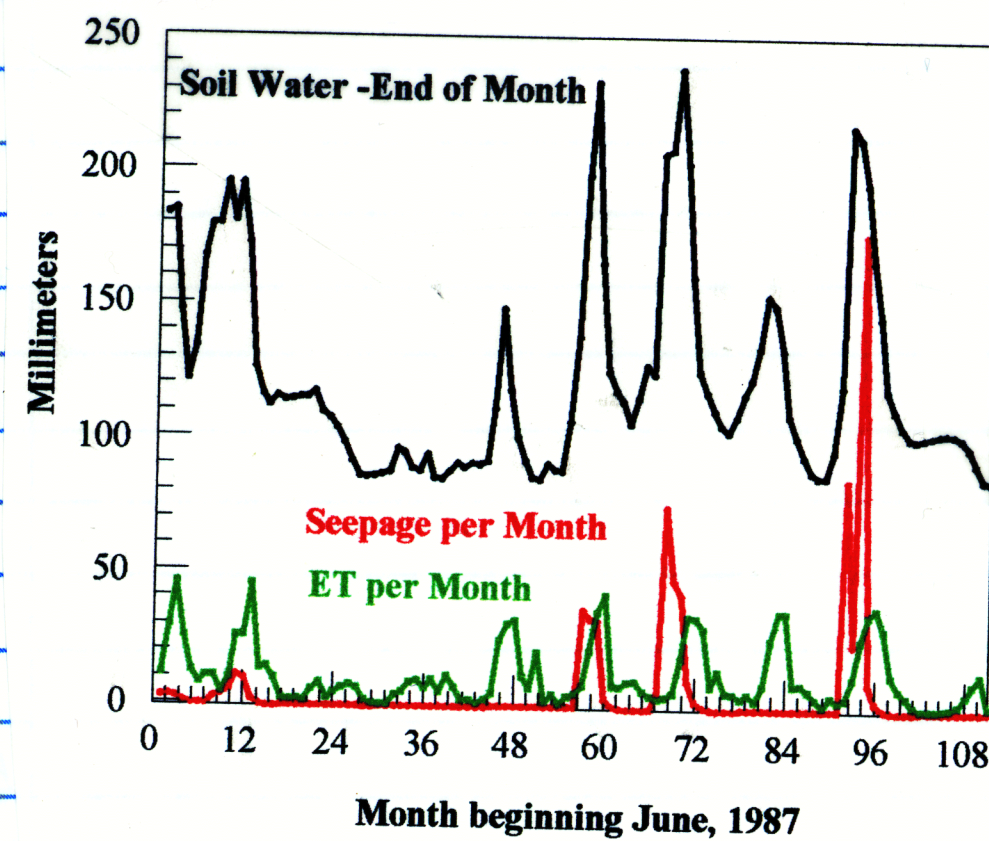


Soil Water, ET and Seepage - Element 116  
Continuous KINEROS2 Model

File: C:\KINEROS\_06\ET\_SEEP\_SW116B.PGW  
DATA: C:\KINEROS\_06\SW\_118MONB.PDW  
daw 2-28-07

This figure shows monthly ET and Seepage for plane 116 as well as the end of month soil water storage in the profile. Plane 116 is the ridge element of the hill slope, so there is no runoff. There were 4 episodes of seepage during the 9-year period.

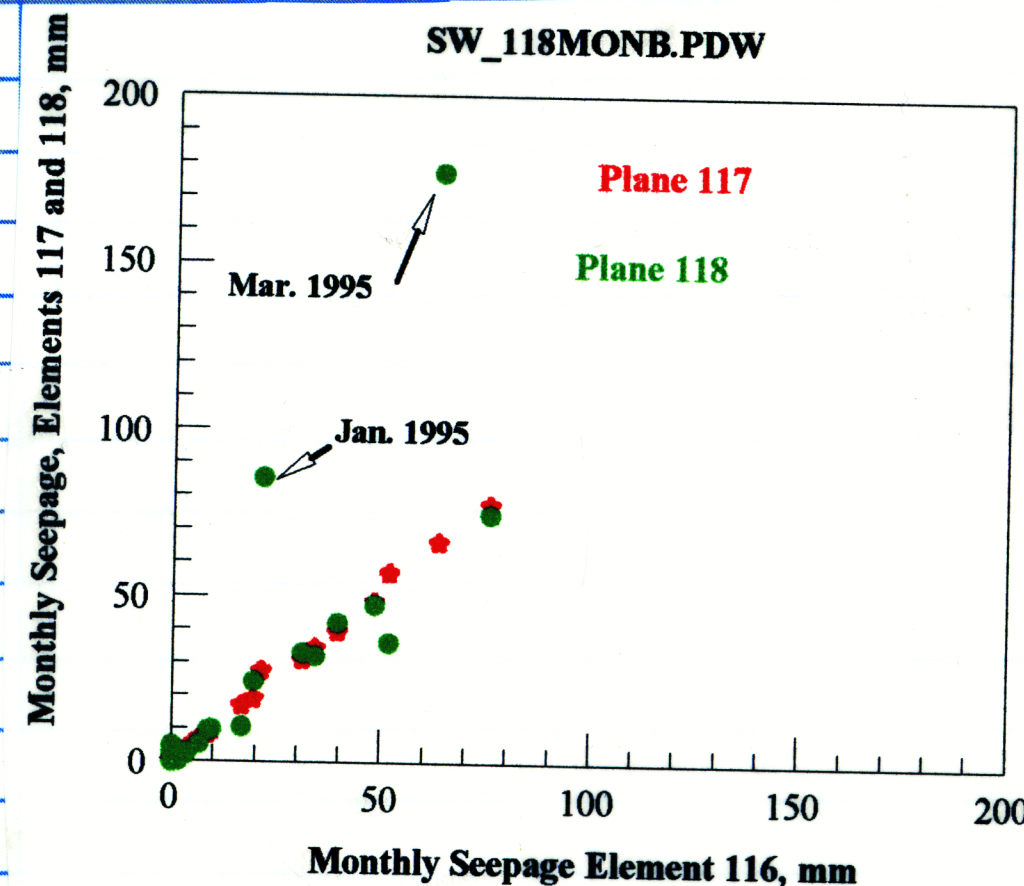
DAW 9-20-07



Soil Water, ET and Seepage - Element 118  
Continuous KINEROS2 Model. RunB

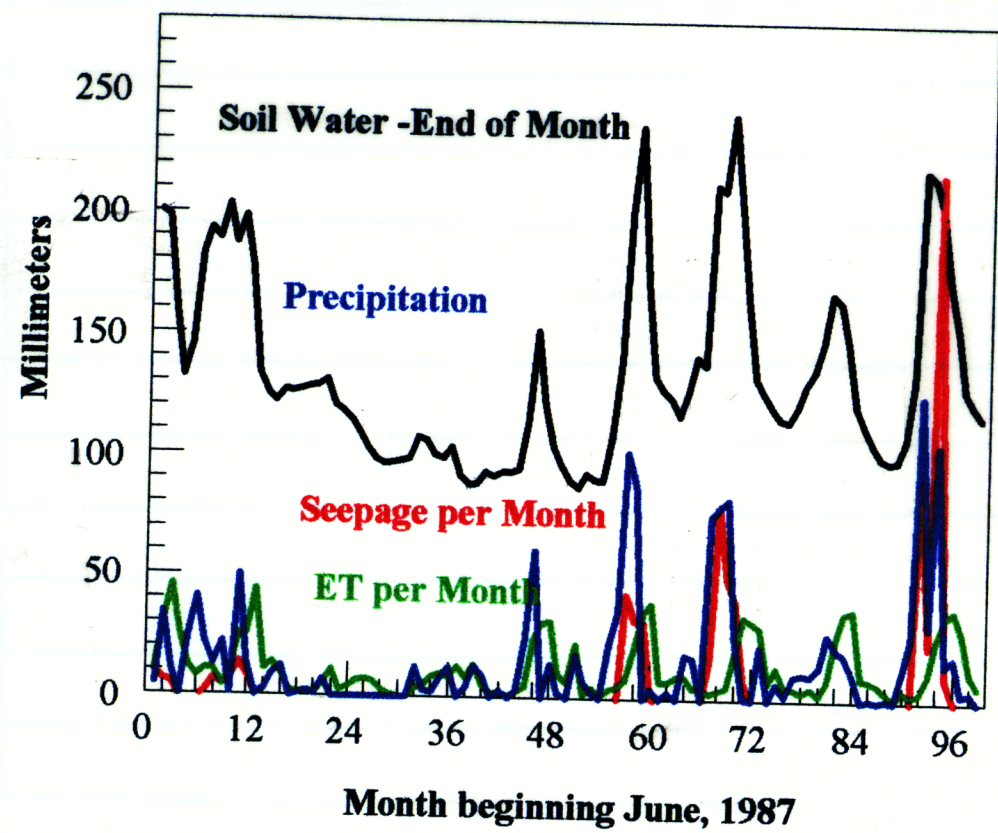
File: C:\KINEROS\_06\ET\_SEEP\_SW118B.PGW  
DATA: C:\KINEROS\_06\SW\_118MONB.PDW  
daw 2-28-07

This figure shows the same variables, but for the lower element which does receive runoff. The major runoff occurs during months 92-96 which corresponds to the Jan and Mar. 1995 events.  
Area ratio: 2.32



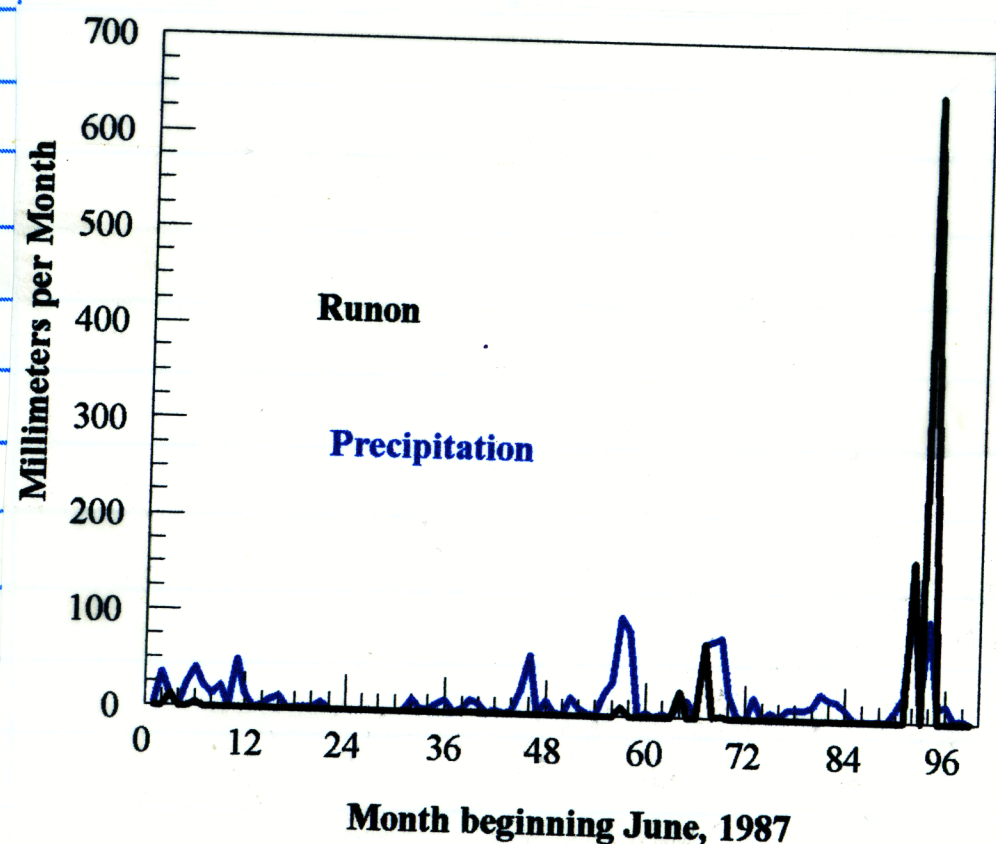
A plot of monthly seepage for lower hillslope element 117 and 118 versus the ridge element 116 shows the much greater seepage for Jan and Mar. 1995 due to runoff.

Daw 9-20-07



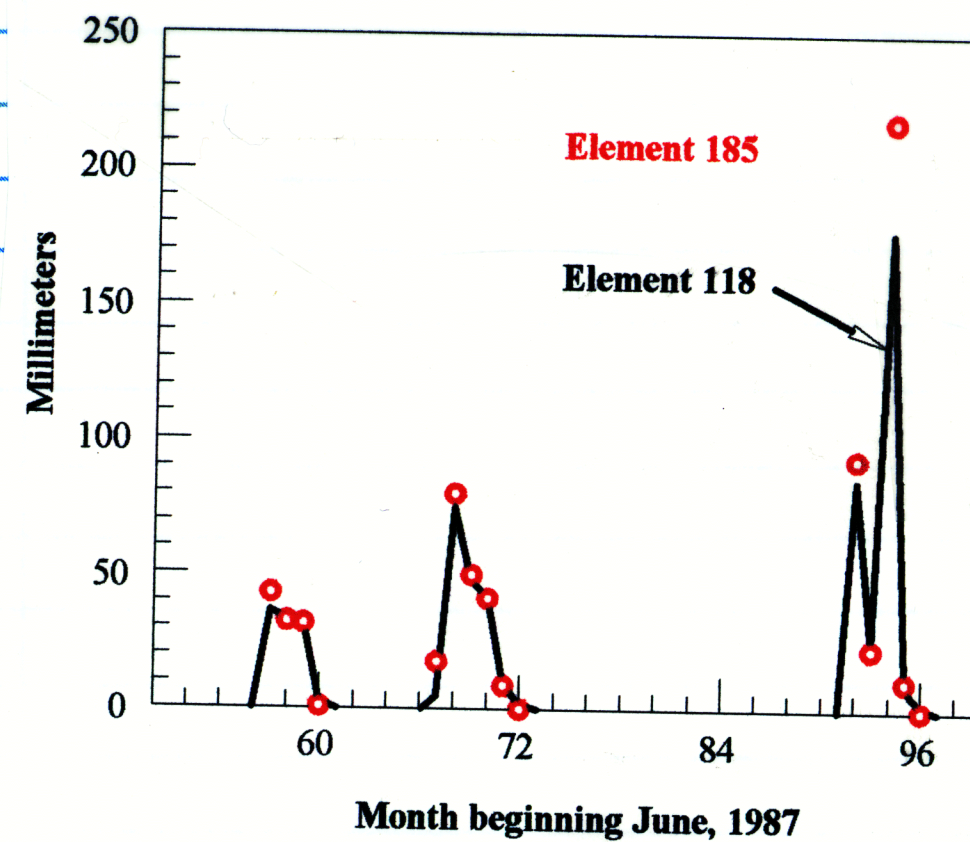
Precipitation, Soil Water, ET and Seepage - Element 185  
Continuous KINEROS2 Model

This shows values for element 185, the lowest element of hillslope 181-185 with convergence ratio 26.7. Note that seepage is greater than precipitation for one month. This is due to the large amount of runoff as shown in the figure below



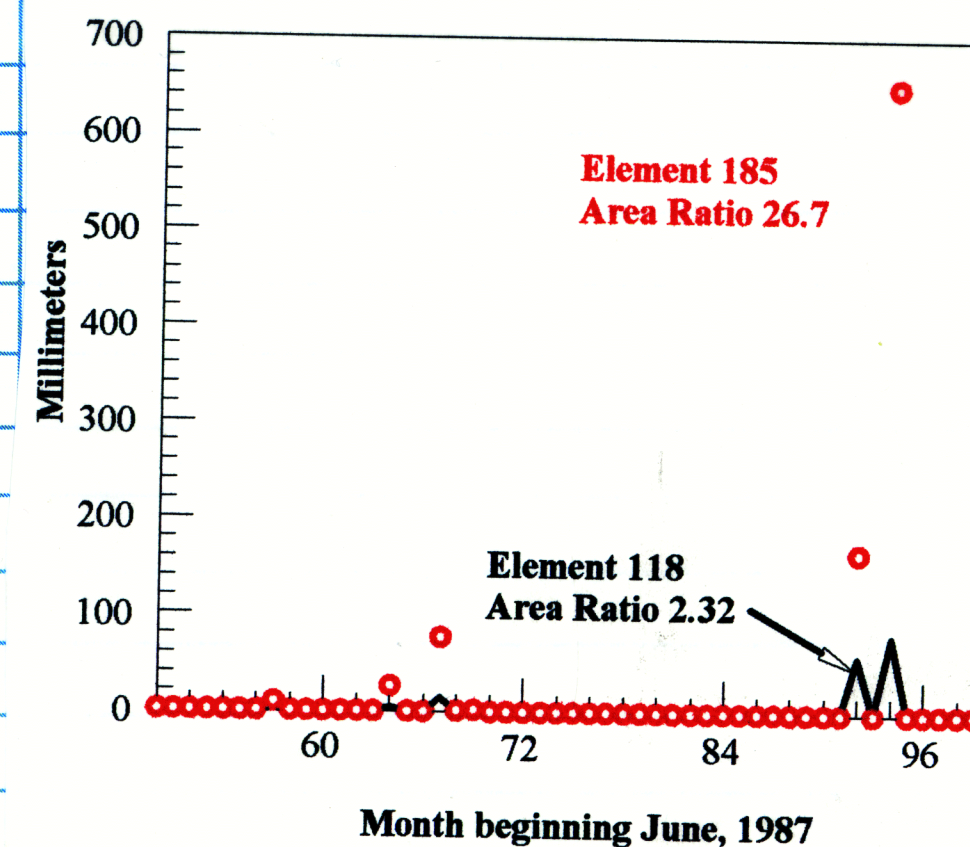
Precipitation and Runon - Element 185  
Continuous KINEROS2 Model

Daw 9-20-07



Monthly Seepage - Elements 118 and 185  
Continuous KINEROS2 Model

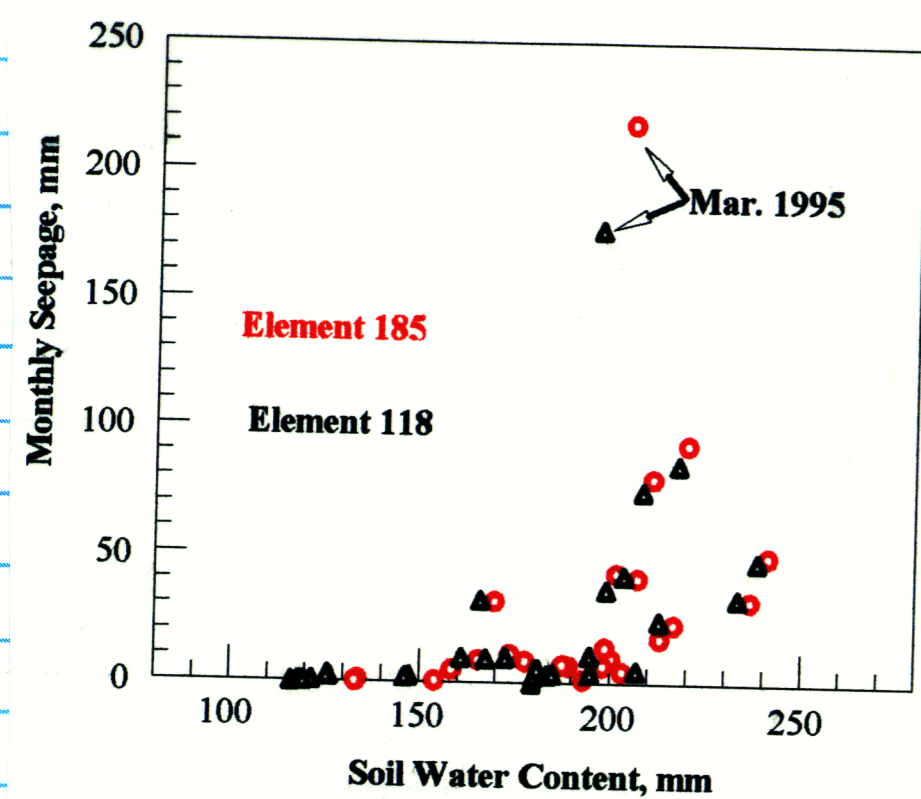
Element 185 has monthly seepage equal to or greater than element 118, reflecting the differences in area ratio.



Runon - Elements 118 and 185  
Continuous KINEROS2 Model

Element 185 has runon during 5 months while 118 shows significant runon for only 3 months. The runon amounts are also much greater for 185.

DAW 1-20-07



Seepage vs Soil Water Content for Elements 118 and 185  
Continuous KINEROS2 Model

Although element 185 has greater seepage than 118, it is not as large as the runoff difference. This can be attributed to greater runoff from 185.

A summary of this work with comparisons with the event-based KINEROS2 results along with suggestions for future work was sent to S. Stothoff at the end of August.

DAW 1-2-08

Activity: Review selected files from Sandia Report

Purpose: Identify sections of the report that should be examined in more detail with runs with the continuous KINEROS model.

Files Included in the CD sent by S. Stothoff

File Name	Title
-----------	-------

1. ANL-MGR-MD-15R00\_WeatherStation0612.pdf Dec. 2006  
"Data Analysis for Infiltration Modeling: Extracted Weather Station Data Used to Represent Present-Day and Potential Future Climate Conditions in the Vicinity of Yucca Mountain"  
Prepared by Sandia National Laboratories.
2. ANL-NBS-HS-54R00\_BedKsat0607.pdf July 2006  
"Data Analysis for Infiltration Modeling: Bedrock Saturated Hydraulic Conductivity Calculation" Bechtel SAIC
3. ANL-NBS-HS-55R00\_SoilUnit0609.pdf Sept. 2006  
"Data Analysis for Infiltration Modeling: Development of Soil Units and Associated Hydraulic Parameter Values"  
Bechtel SAIC



Daw 1-2-08 Review (Cont)

4. ANL-NBS-HS-77R00-SoilDepth0607.pdf July 2006  
 "Data Analysis for Infiltration Modeling: Technical Evaluation of Previous Soil Depth Estimation Methods and Development of Alternate Parameter Values"  
 Bechtel SAIC

- 5 MDL-NBS-HS-23R01\_SimInfil.pdf May 2007

"Simulation of Net Infiltration for Present-Day and Potential Future Climates"  
 Sandia Laboratories

This is an extensive revision of the USGS 2003 report  
 A new model, MASSIF, was developed

Procedure:

1. Carefully review ASSUMPTIONS

RL 4/14/2008

Daw 3-6-08

This terminates entries in this Notebook

David A. Woolhiser

RL 4/14/2008

ADDITIONAL INFORMATION FOR SCIENTIFIC NOTEBOOK NO. 597

444

<b>Document Date:</b>	5/15/01
<b>Availability:</b>	Southwest Research Institute® Center for Nuclear Waste Regulatory Analyses 6220 Culebra Road San Antonio, Texas 78228
<b>Contact:</b>	Southwest Research Institute® Center for Nuclear Waste Regulatory Analyses 6220 Culebra Road San Antonio, TX 78228-5166 Attn.: Director of Administration 210.522.5054
<b>Data Sensitivity:</b>	<input checked="" type="checkbox"/> "Non-Sensitive" <input type="checkbox"/> Sensitive <input type="checkbox"/> "Non-Sensitive - Copyright" <input type="checkbox"/> Sensitive - Copyright
<b>Date Generated:</b>	9/16/2003 through 3/19/2004
<b>Operating System:</b> (including version number)	Windows
<b>Application Used:</b> (including version number)	WordPerfect
<b>Media Type:</b> (CDs, 3 1/2, 5 1/4 disks, etc.)	1 CD
<b>File Types:</b> (.exe, .bat, .zip, etc.)	.wpd; .pdf; .zip; .ASCII text
<b>Remarks:</b> (computer runs, etc.)	Various files with various extensions and attachments to notebook. CD located with Notebook 444.



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<b>Document Date:</b>	5/15/01
<b>Availability:</b>	Southwest Research Institute® Center for Nuclear Waste Regulatory Analyses 6220 Culebra Road San Antonio, Texas 78228
<b>Contact:</b>	Southwest Research Institute® Center for Nuclear Waste Regulatory Analyses 6220 Culebra Road San Antonio, TX 78228-5166 Attn.: Director of Administration 210.522.5054
<b>Data Sensitivity:</b>	<input checked="" type="checkbox"/> "Non-Sensitive" <input type="checkbox"/> Sensitive <input type="checkbox"/> "Non-Sensitive - Copyright" <input type="checkbox"/> Sensitive - Copyright
<b>Date Generated:</b>	09/16/2003
<b>Operating System:</b> (including version number)	Windows
<b>Application Used:</b> (including version number)	WordPerfect 8.0
<b>Media Type:</b> (CDs, 3 1/2, 5 1/4 disks, etc.)	1CD
<b>File Types:</b> (.exe, .bat, .zip, etc.)	.exe; .bas; .pgw; .wpd
<b>Remarks:</b> (computer runs, etc.)	Various files and attachments to notebook. CD located with Notebook 444.

**ADDITIONAL INFORMATION FOR SCIENTIFIC NOTEBOOK NO. 444 & 363**

<b>Document Date:</b>	5/15/01
<b>Availability:</b>	Southwest Research Institute® Center for Nuclear Waste Regulatory Analyses 6220 Culebra Road San Antonio, Texas 78228
<b>Contact:</b>	Southwest Research Institute® Center for Nuclear Waste Regulatory Analyses 6220 Culebra Road San Antonio, TX 78228-5166 Attn.: Director of Administration 210.522.5054
<b>Data Sensitivity:</b>	<input checked="" type="checkbox"/> "Non-Sensitive" <input type="checkbox"/> Sensitive <input type="checkbox"/> "Non-Sensitive - Copyright" <input type="checkbox"/> Sensitive - Copyright
<b>Date Generated:</b>	3/2003 & 9/11/2003
<b>Operating System:</b> (including version number)	Windows
<b>Application Used:</b> (including version number)	WordPerfect 8.0
<b>Media Type:</b> (CDs, 3 1/2, 5 1/4 disks, etc.)	2 CD
<b>File Types:</b> (.exe, .bat, .zip, etc.)	.zip; .wpg; .fgs; .wpd; .psw; .exe
<b>Remarks:</b> (computer runs, etc.)	Various files and attachments to notebook. CD located with Notebook 444.

ADDITIONAL INFORMATION FOR SCIENTIFIC NOTEBOOK NO. 444 & 363 & 362

<b>Document Date:</b>	5/15/01
<b>Availability:</b>	Southwest Research Institute® Center for Nuclear Waste Regulatory Analyses 6220 Culebra Road San Antonio, Texas 78228
<b>Contact:</b>	Southwest Research Institute® Center for Nuclear Waste Regulatory Analyses 6220 Culebra Road San Antonio, TX 78228-5166 Attn.: Director of Administration 210.522.5054
<b>Data Sensitivity:</b>	<input checked="" type="checkbox"/> "Non-Sensitive" <input type="checkbox"/> Sensitive <input type="checkbox"/> "Non-Sensitive - Copyright" <input type="checkbox"/> Sensitive - Copyright
<b>Date Generated:</b>	3/26/2001 through 9/24/2001
<b>Operating System:</b> (including version number)	Windows
<b>Application Used:</b> (including version number)	WordPerfect 8.0
<b>Media Type:</b> (CDs, 3 1/2, 5 1/4 disks, etc.)	2 CD 1
<b>File Types:</b> (.exe, .bat, .zip, etc.)	.wpd; .bas; .exe; .pgw; .fil; .pre
<b>Remarks:</b> (computer runs, etc.)	Various files and attachments to notebook. CD located with Notebook 444.



ADDITIONAL INFORMATION FOR SCIENTIFIC NOTEBOOK NO. 444 & 597

<b>Document Date:</b>	5/15/01
<b>Availability:</b>	Southwest Research Institute® Center for Nuclear Waste Regulatory Analyses 6220 Culebra Road San Antonio, Texas 78228
<b>Contact:</b>	Southwest Research Institute® Center for Nuclear Waste Regulatory Analyses 6220 Culebra Road San Antonio, TX 78228-5166 Attn.: Director of Administration 210.522.5054
<b>Data Sensitivity:</b>	<input checked="" type="checkbox"/> "Non-Sensitive" <input type="checkbox"/> Sensitive <input type="checkbox"/> "Non-Sensitive - Copyright" <input type="checkbox"/> Sensitive - Copyright
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<b>Operating System:</b> (including version number)	Windows
<b>Application Used:</b> (including version number)	KINEROS2
<b>Media Type:</b> (CDs, 3 1/2, 5 1/4 disks, etc.)	1CD
<b>File Types:</b> (.exe, .bat, .zip, etc.)	.out; .ini; .bas; .wpd; .txt
<b>Remarks:</b> (computer runs, etc.)	Various files. CD located with Notebook 444.



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<b>Date Generated:</b>	4/13/2001
<b>Operating System:</b> (including version number)	Windows
<b>Application Used:</b> (including version number)	KINEROS2
<b>Media Type:</b> (CDs, 3 1/2, 5 1/4 disks, etc.)	1CDs
<b>File Types:</b> (.exe, .bat, .zip, etc.)	.mod; .exe; .map; .wpd; .zip
<b>Remarks:</b> (computer runs, etc.)	Various figures, maps, computer runs, papers, and reports. CD located with Notebook 444.

