Appendix B

Unit Hydrographs

- **Unit Hydrographs for Subbasins Using K_n=0.05, 0.07, and 0.10**
- **Table B.1 - Subbasin Reach Length and Slope Table**
- **Map Containing All Sites Used in USBR's Unit Hydrograph Lag Data for the Rocky Mountain Region**
- **Figure 4.7 and Table 4.2 Unit Hydrograph Relationships for the Rocky Mountains, from Flood Hydrology Manual (Cudworth, 1989)**

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 25-Aug-09

Pinon Ridge Uranium Mill Site Basin 1 Kn=05

Drainage Area =	1.26	sq. miles	Lg+D/2 =	0.82	Hours
Basin Slope =	381.30	ft./mile	Basin Factor =	0.18	
L =	2.64	mi., Length of Watercourse	V' =	33.88	cfs/Day
Lca =	1.33	mi., Distance to Centroid	Qs =	41.3	* q, cfs
Kn =	0.050	-, Ave. Weighted Manning's n			

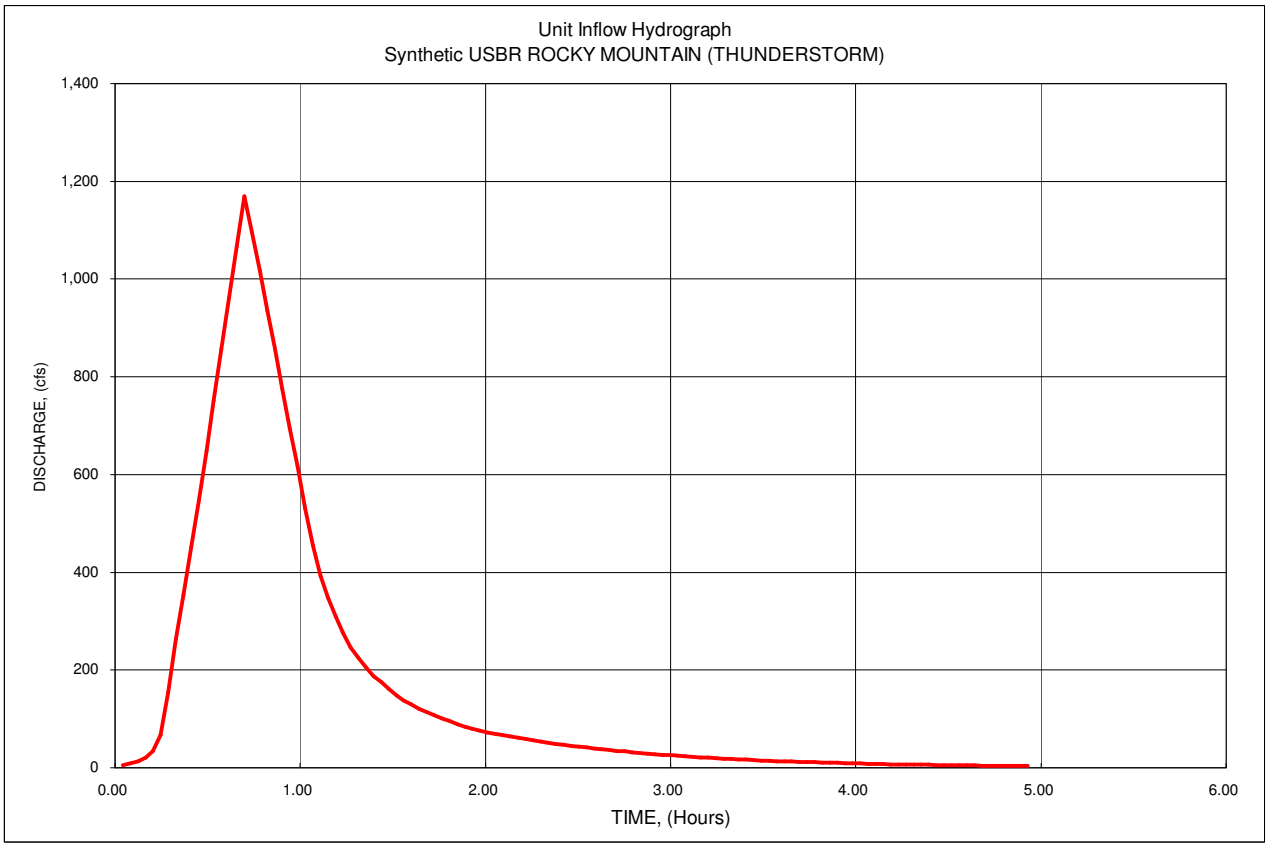
PARAMETERS:

Calculated: Lag Time, Lg = 0.74 Hours Unit Duration, D = 8.05 minutes

Calculated Timestep = 2.46 minutes

Data to be used in Analysis Unit Duration, D = 10 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	9	22	75	274	465	666	878	1090	1075	912
UI	750	587	432	332	263	216	182	154	133	117
UI	103	92	82	74	68	62	57	52	47	44
UI	40	36	33	31	28	26	23	21	20	18
UI	16	15	14	13	11	11	10	9	8	7
UI	7	6	6	6	5	5	4	4	3	
UI										
UI										
UI										
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UI										

USBR calculated unitgraph peak = 1170 Interpolated Peak = 1090

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 25-Aug-09

Pinon Ridge Uranium Mill Site Basin 2 Kn=05

Drainage Area =	0.24	sq. miles	Lg+D/2 =	0.62	Hours
Basin Slope =	100.40	ft./mile	Basin Factor =	0.07	
L =	1.09	mi., Length of Watercourse	V' =	6.45	cfs/Day
Lca =	0.62	mi., Distance to Centroid	Qs =	10.5	* q, cfs
Kn =	0.050	-, Ave. Weighted Manning's n			

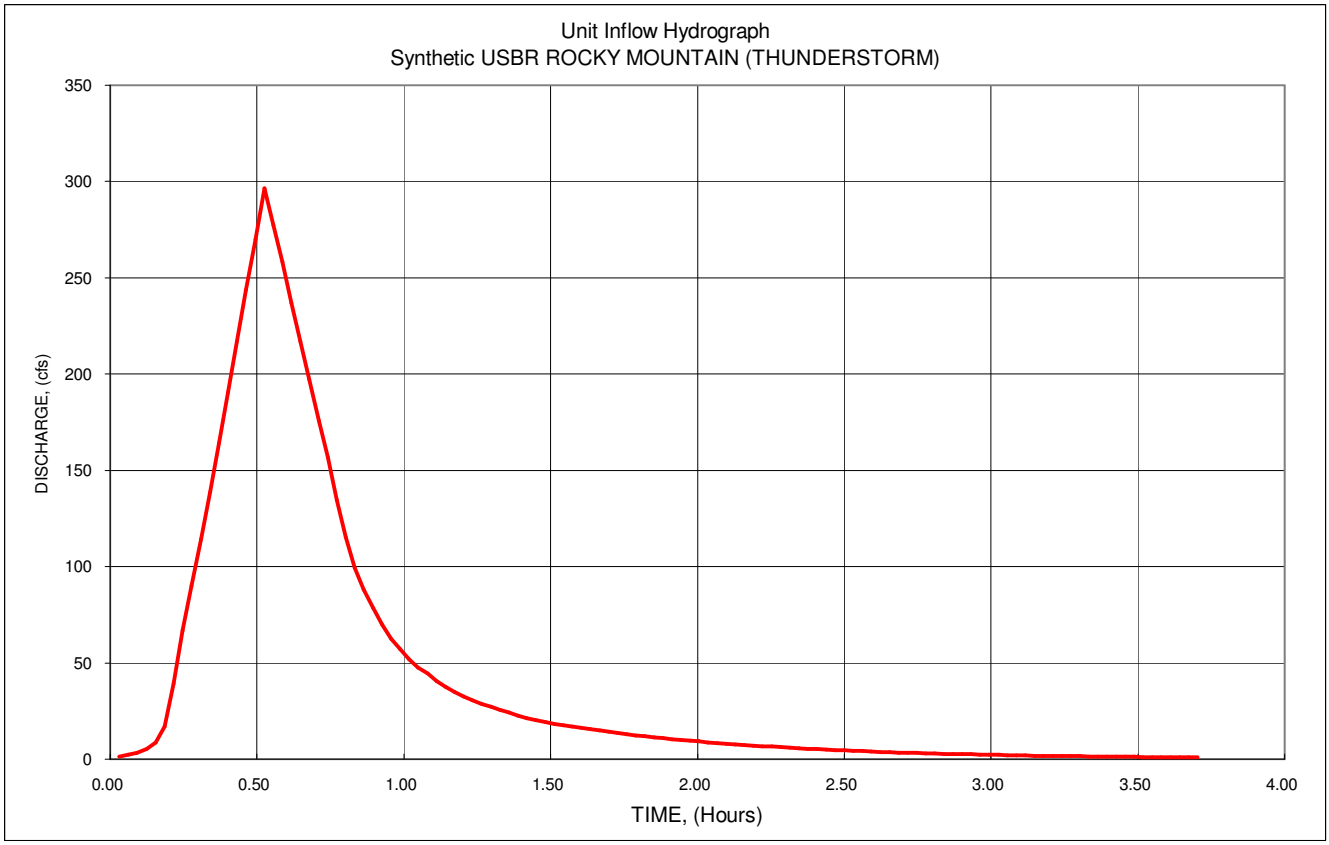
PARAMETERS:

Calculated: Lag Time, Lg = 0.53 Hours Unit Duration, D = 5.82 minutes

Calculated Timestep = 1.85 minutes

Data to be used Unit Duration, D = 10 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

in Analysis Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	3	12	69	134	204	275	260	205	150	100
UI	72	55	44	35	30	25	21	19	17	15
UI	13	12	10	9	8	7	7	6	5	4
UI	4	4	3	3	3	2	2	2	2	1
UI	1	1	1	1						
UI										
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UI										

USBR calculated unitgraph peak = 297 Interpolated Peak = 275

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 25-Aug-09

Pinon Ridge Uranium Mill Site Basin 3 Kn=05

Drainage Area =	0.13	sq. miles	Lg+D/2 =	0.38	Hours
Basin Slope =	125.70	ft./mile	Basin Factor =	0.02	
L =	0.64	mi., Length of Watercourse	V' =	3.50	cfs/Day
Lca =	0.30	mi., Distance to Centroid	Qs =	9.2	* q, cfs
Kn =	0.050	-, Ave. Weighted Manning's n			

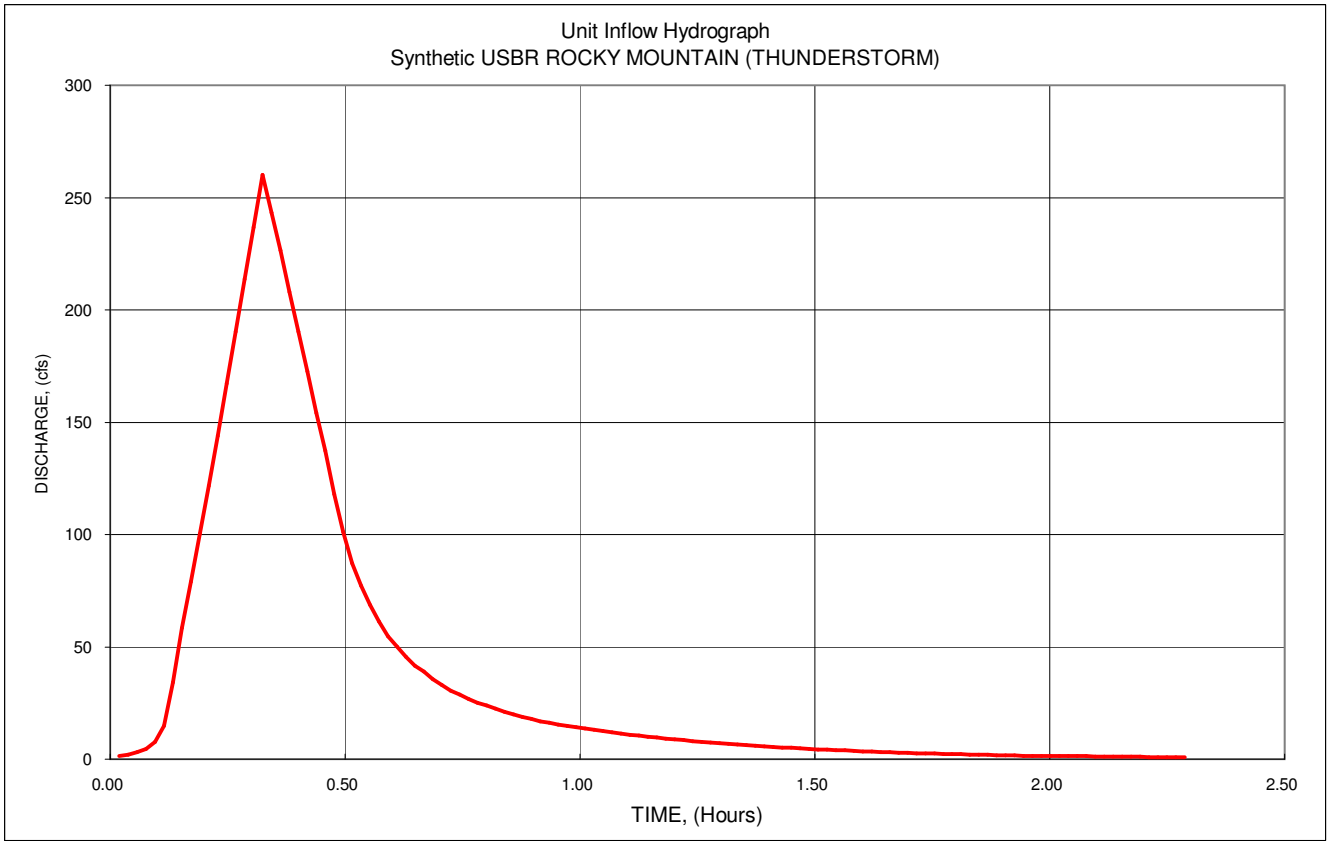
PARAMETERS:

Calculated: Lag Time, Lg = 0.34 Hours Unit Duration, D = 3.71 minutes

Calculated Timestep = 1.14 minutes

Data to be used Unit Duration, D = 5 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

in Analysis Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	6	74	170	252	175	98	57	39	28	22
UI	17	14	11	10	8	7	5	4	4	3
UI	2	2	2	1	1	1	1			
UI										
UI										
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USBR calculated unitgraph peak = 260 Interpolated Peak = 252

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 25-Aug-09

Pinon Ridge Uranium Mill Site Basin 4 Kn=05

Drainage Area =	0.62	sq. miles	Lg+D/2 =	0.80	Hours
Basin Slope =	350.90	ft./mile	Basin Factor =	0.16	
L =	2.41	mi., Length of Watercourse	V' =	16.67	cfs/Day
Lca =	1.26	mi., Distance to Centroid	Qs =	20.9	* q, cfs
Kn =	0.050	-, Ave. Weighted Manning's n			

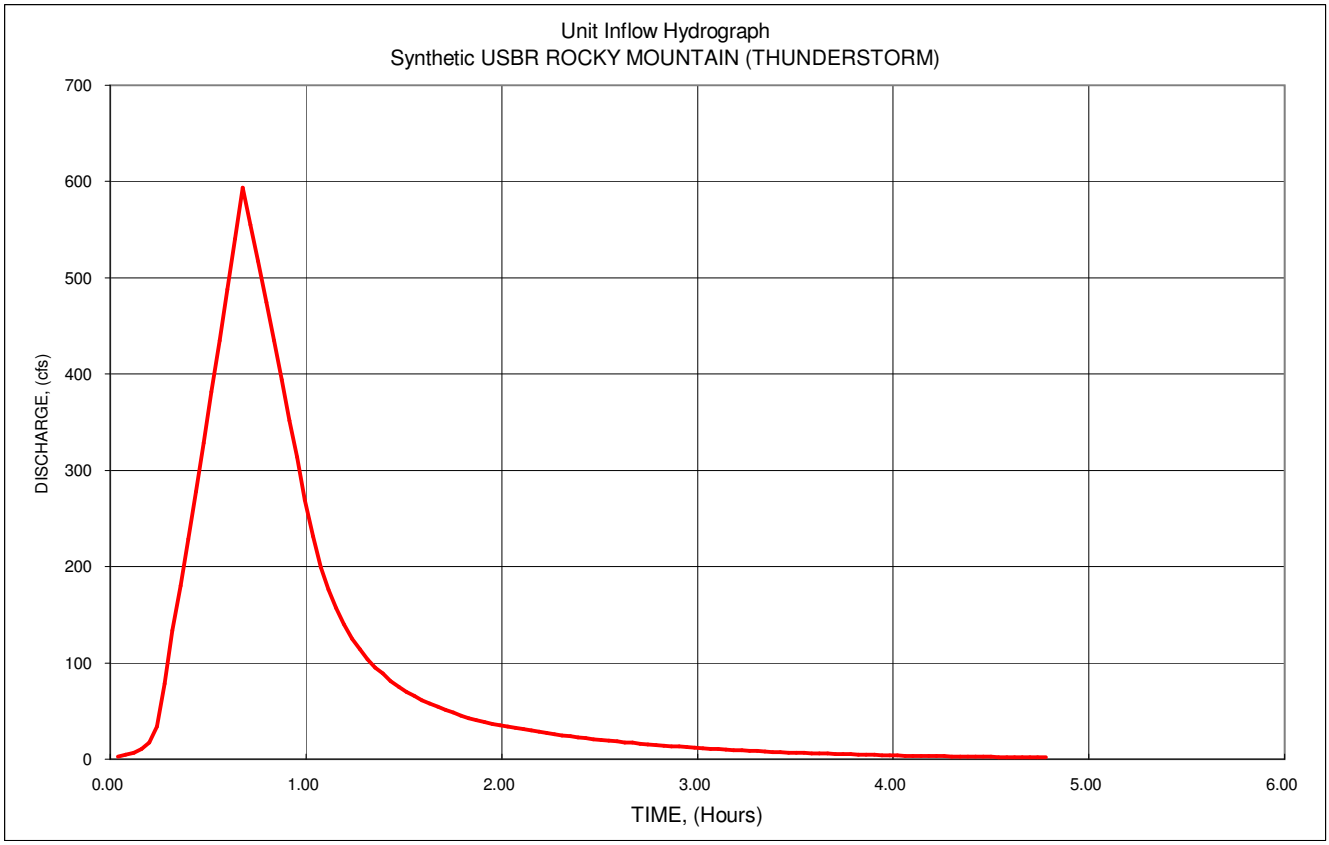
PARAMETERS:

Calculated: Lag Time, Lg = 0.71 Hours Unit Duration, D = 7.78 minutes

Calculated Timestep = 2.39 minutes

Data to be used in Analysis Unit Duration, D = 10 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	5	12	46	151	251	358	469	580	524	438
UI	351	265	195	152	121	100	85	72	62	55
UI	49	43	38	35	32	29	27	24	22	20
UI	19	17	15	14	13	12	11	10	9	8
UI	7	7	6	6	5	5	4	4	4	3
UI	3	3	3	3	2	2	2			
UI										
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USBR calculated unitgraph peak = 594 Interpolated Peak = 580

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 25-Aug-09

Pinon Ridge Uranium Mill Site Basin 5 Kn=05

Drainage Area =	0.19	sq. miles	Lg+D/2 =	0.49	Hours
Basin Slope =	153.60	ft./mile	Basin Factor =	0.04	
L =	0.98	mi., Length of Watercourse	V' =	5.11	cfs/Day
Lca =	0.49	mi., Distance to Centroid	Qs =	10.5	* q, cfs
Kn =	0.050	-, Ave. Weighted Manning's n			

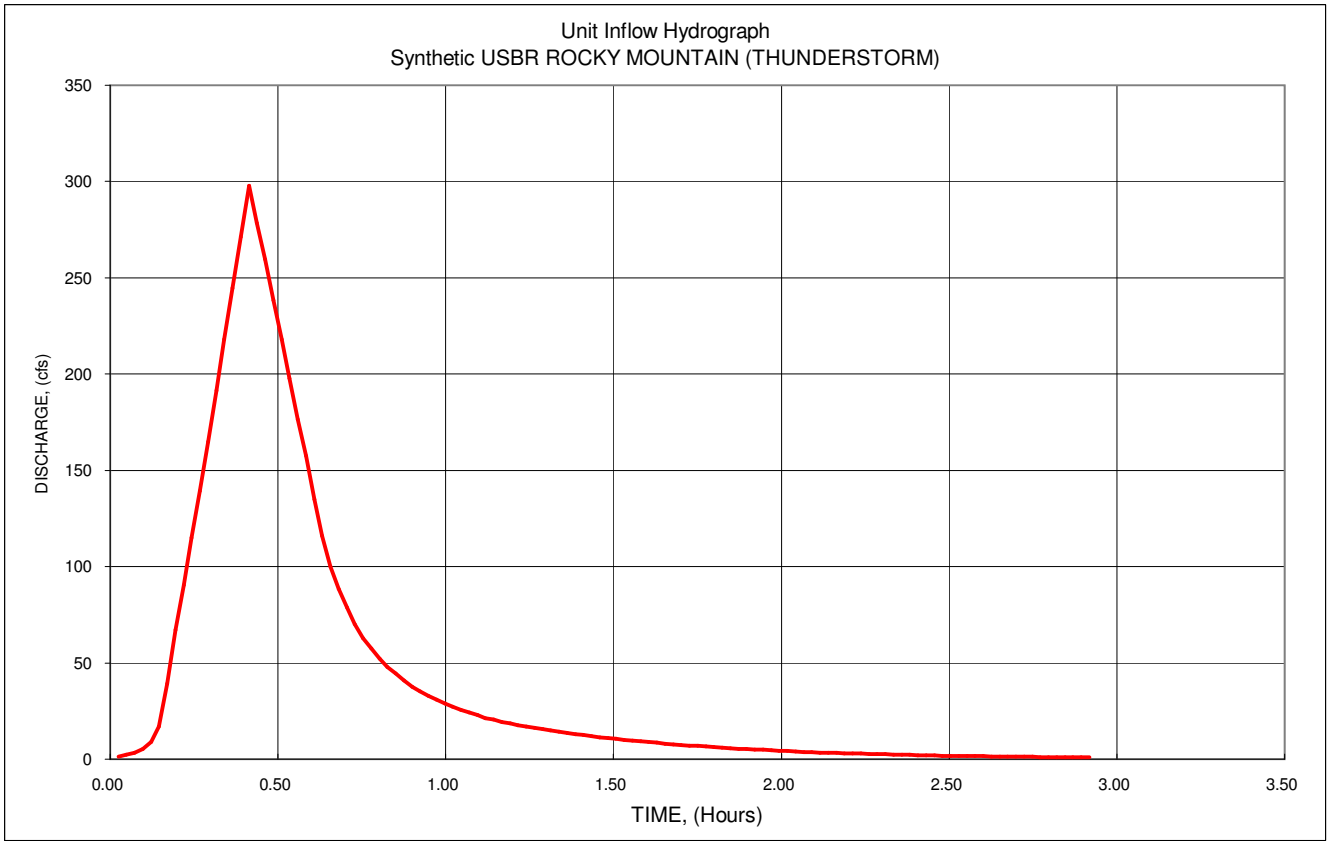
PARAMETERS:

Calculated: Lag Time, Lg = 0.44 Hours Unit Duration, D = 4.85 minutes

Calculated Timestep = 1.46 minutes

Data to be used in Analysis Unit Duration, D = 5 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	4	36	122	210	295	227	158	95	64	47
UI	36	29	23	19	17	14	12	11	9	8
UI	7	6	5	4	4	3	3	2	2	2
UI	2	1	1	1	1					
UI										
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UI										

USBR calculated unitgraph peak = 298 Interpolated Peak = 295

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 21-Jan-08

Pinon Ridge Uranium Mill Site Basin 1 Kn=07

Drainage Area =	1.26	sq. miles	Lg+D/2 =	1.12	Hours
Basin Slope =	381.30	ft./mile	Basin Factor =	0.18	
L =	2.64	mi., Length of Watercourse	V' =	33.88	cfs/Day
Lca =	1.33	mi., Distance to Centroid	Qs =	30.3	* q, cfs
Kn =	0.070	-, Ave. Weighted Manning's n			

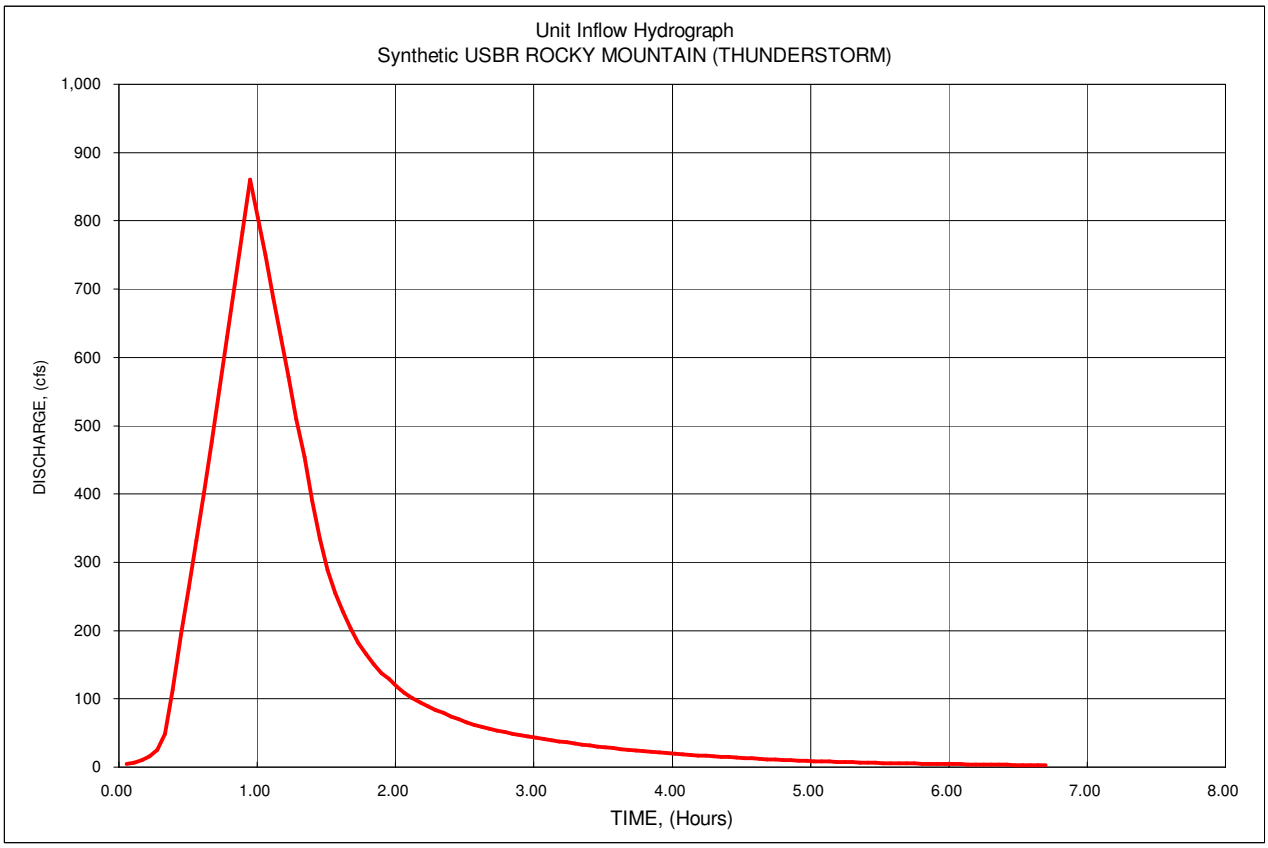
PARAMETERS:

Calculated: Lag Time, Lg = 1.03 Hours Unit Duration, D = 11.27 minutes

Calculated Timestep = 3.35 minutes

Data to be used in Analysis Unit Duration, D = 10 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	5	10	20	48	151	258	364	472	587	702
UI	816	810	725	636	548	461	369	295	245	207
UI	176	153	135	120	107	96	87	80	73	67
UI	61	57	53	50	47	44	41	38	36	34
UI	32	30	28	26	24	23	21	20	19	18
UI	17	15	14	13	13	12	11	10	10	9
UI	8	8	8	7	7	6	6	5	5	5
UI	5	4	4	4	4	4	3	3	3	3
UI	0									
UI										
UI										
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USBR calculated unitgraph peak = 861 Interpolated Peak = 816

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 21-Jan-08

Pinon Ridge Uranium Mill Site Basin 2 Kn=07

Drainage Area =	0.24	sq. miles	Lg+D/2 =	0.83	Hours
Basin Slope =	100.40	ft./mile	Basin Factor =	0.07	
L =	1.09	mi., Length of Watercourse	V' =	6.45	cfs/Day
Lca =	0.62	mi., Distance to Centroid	Qs =	7.8	* q, cfs
Kn =	0.070	-, Ave. Weighted Manning's n			

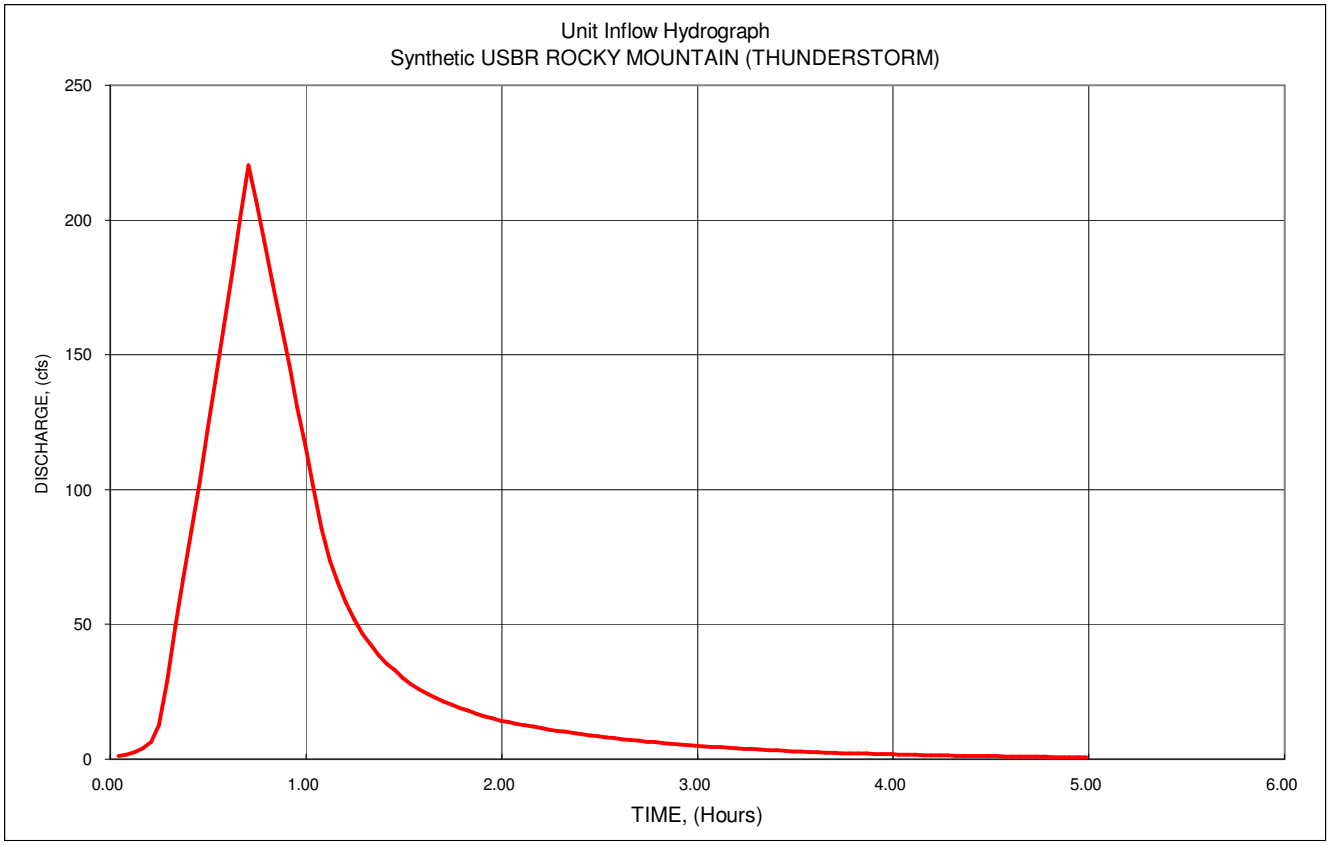
PARAMETERS:

Calculated: Lag Time, Lg = 0.75 Hours Unit Duration, D = 8.15 minutes

Calculated Timestep = 2.49 minutes

Data to be used Unit Duration, D = 10 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

in Analysis Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	2	4	13	50	86	123	162	202	205	175
UI	145	115	85	65	51	42	35	30	26	23
UI	20	18	16	14	13	12	11	10	9	8
UI	8	7	6	6	5	5	5	4	4	4
UI	3	3	3	2	2	2	2	2	2	1
UI	1	1	1	1	1	1	1	1	1	0
UI										
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USBR calculated unitgraph peak = 220 Interpolated Peak = 205

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 21-Jan-08

Pinon Ridge Uranium Mill Site Basin 3 Kn=07

Drainage Area =	0.13	sq. miles	Lg+D/2 =	0.52	Hours
Basin Slope =	125.70	ft./mile	Basin Factor =	0.02	
L =	0.64	mi., Length of Watercourse	V' =	3.50	cfs/Day
Lca =	0.30	mi., Distance to Centroid	Qs =	6.8	* q, cfs
Kn =	0.070	-, Ave. Weighted Manning's n			

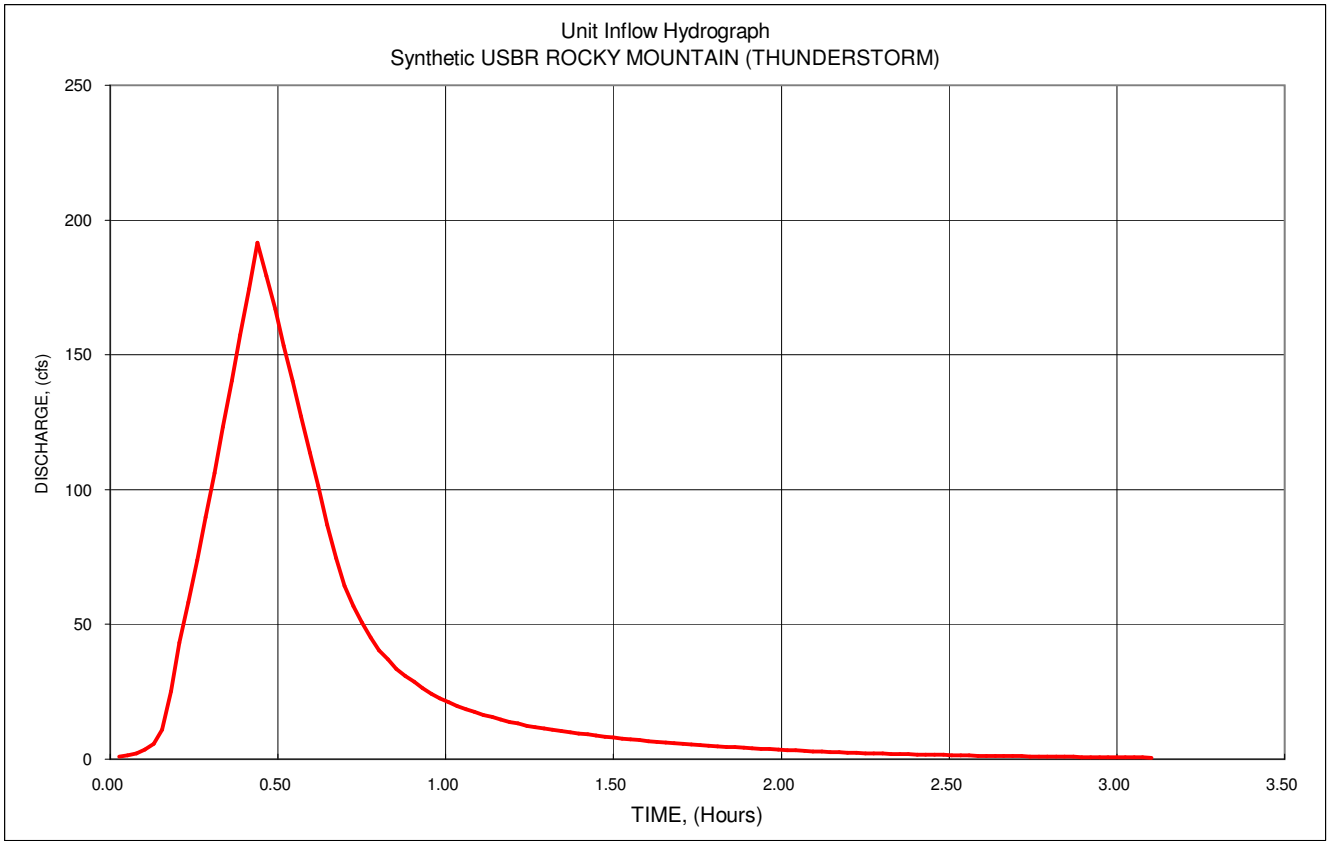
PARAMETERS:

Calculated: Lag Time, Lg = 0.48 Hours Unit Duration, D = 5.19 minutes

Calculated Timestep = 1.55 minutes

Data to be used Unit Duration, D = 5 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

in Analysis Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	3	17	69	121	177	162	120	77	51	36
UI	28	22	18	15	12	11	9	8	7	6
UI	5	5	4	3	3	3	2	2	2	2
UI	1	1	1	1	1	1	1			
UI										
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UI										
UI										

USBR calculated unitgraph peak = 192 Interpolated Peak = 177

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 21-Jan-08

Pinon Ridge Uranium Mill Site Basin 4 Kn=07

Drainage Area =	0.62	sq. miles	Lg+D/2 =	1.08	Hours
Basin Slope =	350.90	ft./mile	Basin Factor =	0.16	
L =	2.41	mi., Length of Watercourse	V' =	16.67	cfs/Day
Lca =	1.26	mi., Distance to Centroid	Qs =	15.4	* q, cfs
Kn =	0.070	-, Ave. Weighted Manning's n			

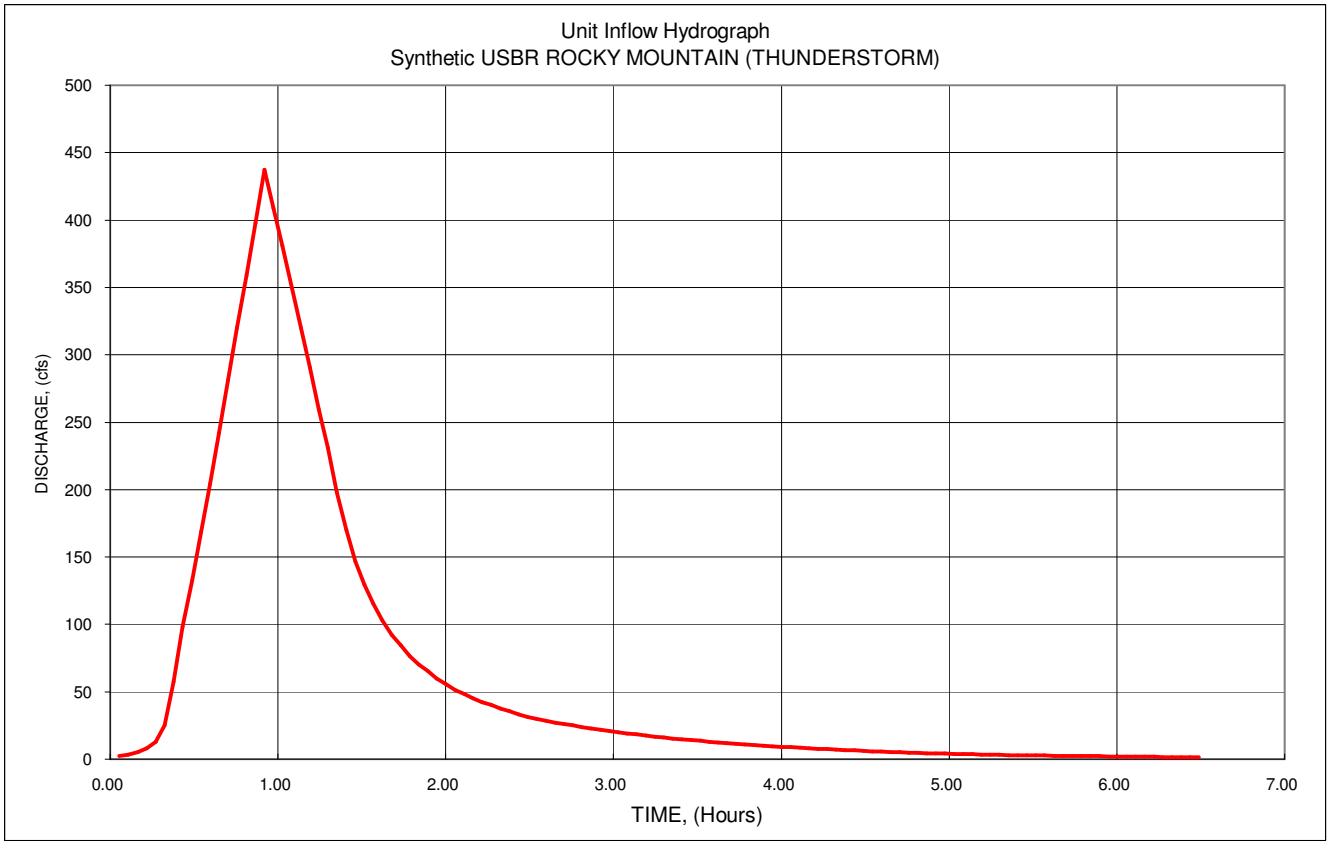
PARAMETERS:

Calculated: Lag Time, Lg = 1.00 Hours Unit Duration, D = 10.89 minutes

Calculated Timestep = 3.25 minutes

Data to be used Unit Duration, D = 10 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

in Analysis Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	3	5	11	30	86	141	197	255	315	375
UI	435	395	349	303	256	210	166	134	112	94
UI	82	71	63	55	50	45	41	37	34	31
UI	29	27	25	24	22	21	19	18	17	16
UI	15	14	13	12	11	11	10	9	9	8
UI	8	7	7	6	6	5	5	5	4	4
UI	4	4	3	3	3	3	3	2	2	2
UI	2	2	2	2	2	2	1	1		
UI										
UI										
UI										
UI										

USBR calculated unitgraph peak = 437 Interpolated Peak = 435

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 21-Jan-08

Pinon Ridge Uranium Mill Site Basin 5 Kn=07

Drainage Area =	0.19	sq. miles	Lg+D/2 =	0.66	Hours
Basin Slope =	153.60	ft./mile	Basin Factor =	0.04	
L =	0.98	mi., Length of Watercourse	V' =	5.11	cfs/Day
Lca =	0.49	mi., Distance to Centroid	Qs =	7.7	* q, cfs
Kn =	0.070	-, Ave. Weighted Manning's n			

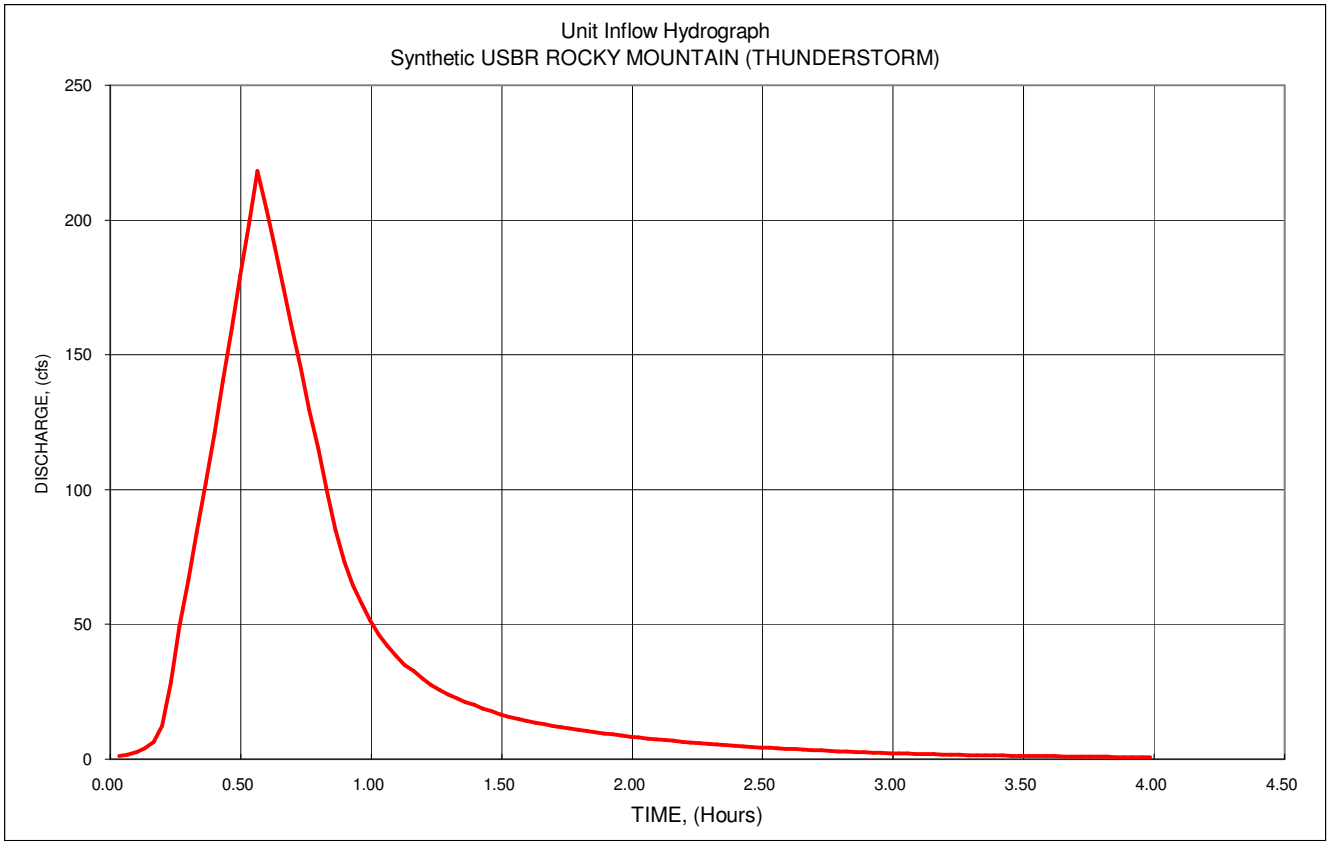
PARAMETERS:

Calculated: Lag Time, Lg = 0.62 Hours Unit Duration, D = 6.79 minutes

Calculated Timestep = 1.99 minutes

Data to be used in Analysis Unit Duration, D = 5 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	2	7	39	85	131	180	210	173	136	98
UI	68	51	40	32	26	22	19	17	14	13
UI	12	10	9	8	7	7	6	5	5	4
UI	4	3	3	3	2	2	2	2	2	1
UI	1	1	1	1	1	1	1	0		
UI										
UI										
UI										
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UI										
UI										
UI										

USBR calculated unitgraph peak = 218 Interpolated Peak = 210

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 21-Jan-08

Pinon Ridge Uranium Mill Site Basin 1 Kn=10

Drainage Area =	1.26	sq. miles	Lg+D/2 =	1.60	Hours
Basin Slope =	381.30	ft./mile	Basin Factor =	0.18	
L =	2.64	mi., Length of Watercourse	V' =	33.88	cfs/Day
Lca =	1.33	mi., Distance to Centroid	Qs =	21.2	* q, cfs
Kn =	0.100	-, Ave. Weighted Manning's n			

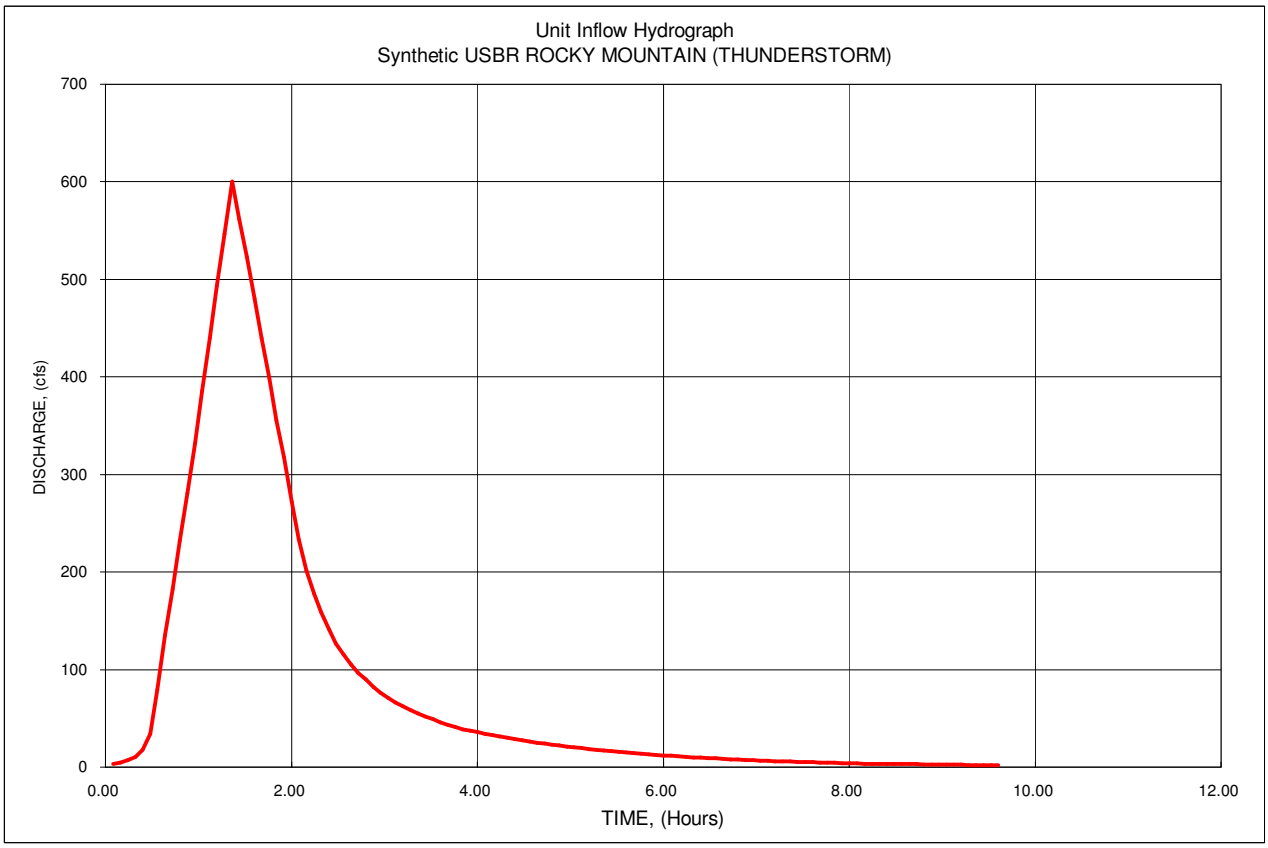
PARAMETERS:

Calculated: Lag Time, Lg = 1.48 Hours Unit Duration, D = 16.10 minutes

Calculated Timestep = 4.80 minutes

Data to be used in Analysis Unit Duration, D = 15 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	3	5	7	12	21	45	95	151	200	252
UI	304	359	414	470	526	582	573	533	489	447
UI	404	360	319	273	233	200	176	156	139	124
UI	113	102	94	87	80	73	68	64	60	56
UI	53	50	47	44	42	39	37	36	34	33
UI	31	30	29	27	26	25	24	23	22	21
UI	20	19	18	17	17	16	15	15	14	13
UI	13	12	12	11	11	10	10	9	9	8
UI	8	8	7	7	7	6	6	6	6	5
UI	5	5	5	4	4	4	4	4	4	3
UI	3	3	3	3	3	3	3	3	2	2
UI	2	2	2	2	2	0				

USBR calculated unitgraph peak = 600 Interpolated Peak = 582

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 21-Jan-08

Pinon Ridge Uranium Mill Site Basin 2 Kn=10

Drainage Area =	0.24	sq. miles	Lg+D/2 =	1.19	Hours
Basin Slope =	100.40	ft./mile	Basin Factor =	0.07	
L =	1.09	mi., Length of Watercourse	V' =	6.45	cfs/Day
Lca =	0.62	mi., Distance to Centroid	Qs =	5.4	* q, cfs
Kn =	0.100	-, Ave. Weighted Manning's n			

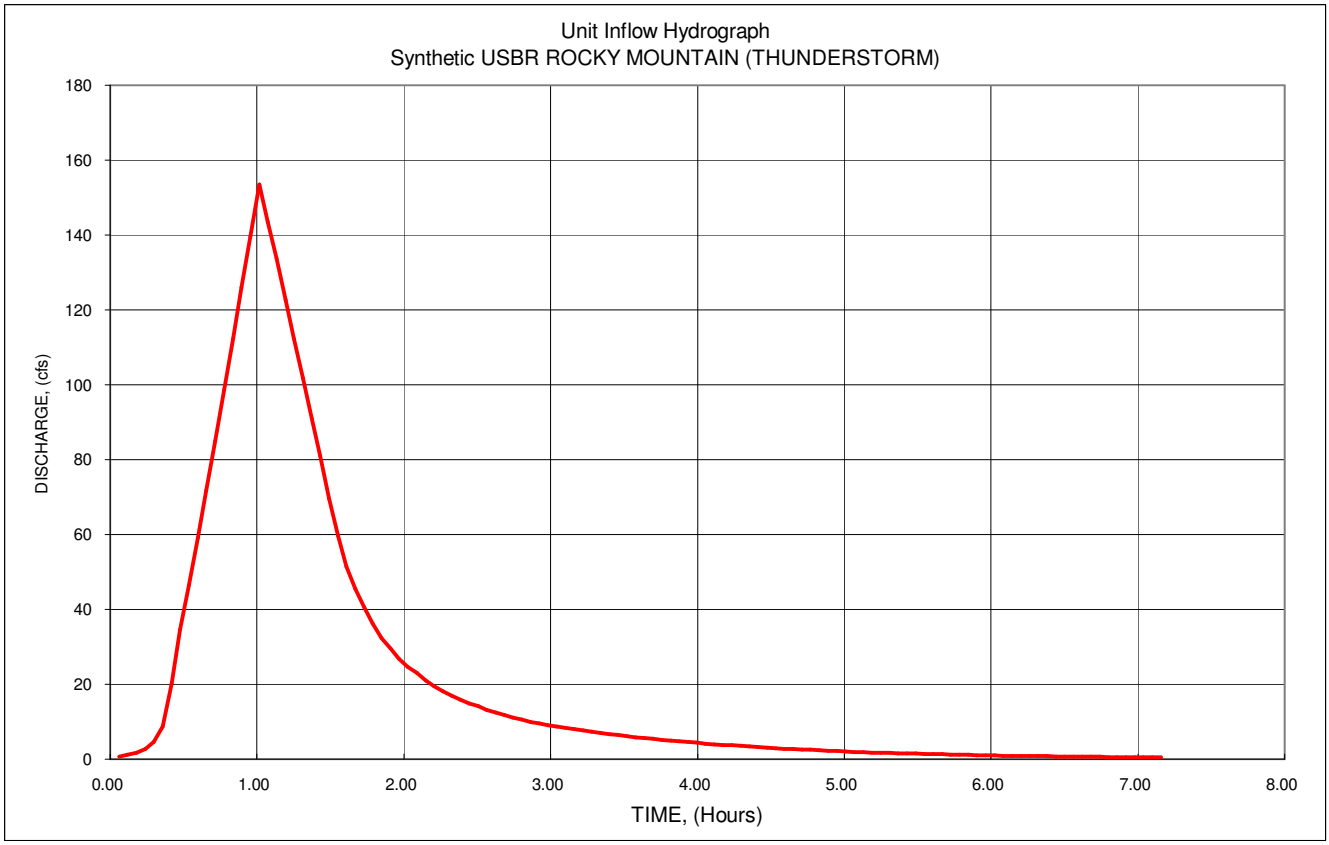
PARAMETERS:

Calculated: Lag Time, Lg = 1.07 Hours Unit Duration, D = 11.65 minutes

Calculated Timestep = 3.58 minutes

Data to be used in Analysis Unit Duration, D = 15 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	1	2	3	7	20	39	56	74	93	112
UI	131	150	142	128	113	98	84	68	55	46
UI	39	33	29	26	23	21	18	17	15	14
UI	13	12	11	10	10	9	9	8	8	7
UI	7	6	6	6	5	5	5	4	4	4
UI	4	3	3	3	3	3	3	2	2	2
UI	2	2	2	2	2	1	1	1	1	1
UI	1	1	1	1	1	1	1	1	1	1
UI	1	1	1	1	0	0				
UI										
UI										
UI										

USBR calculated unitgraph peak = 153 Interpolated Peak = 150

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 21-Jan-08

Pinon Ridge Uranium Mill Site Basin 3 Kn=10

Drainage Area =	0.13	sq. miles	Lg+D/2 =	0.76	Hours
Basin Slope =	125.70	ft./mile	Basin Factor =	0.02	
L =	0.64	mi., Length of Watercourse	V' =	3.50	cfs/Day
Lca =	0.30	mi., Distance to Centroid	Qs =	4.6	* q, cfs
Kn =	0.100	-, Ave. Weighted Manning's n			

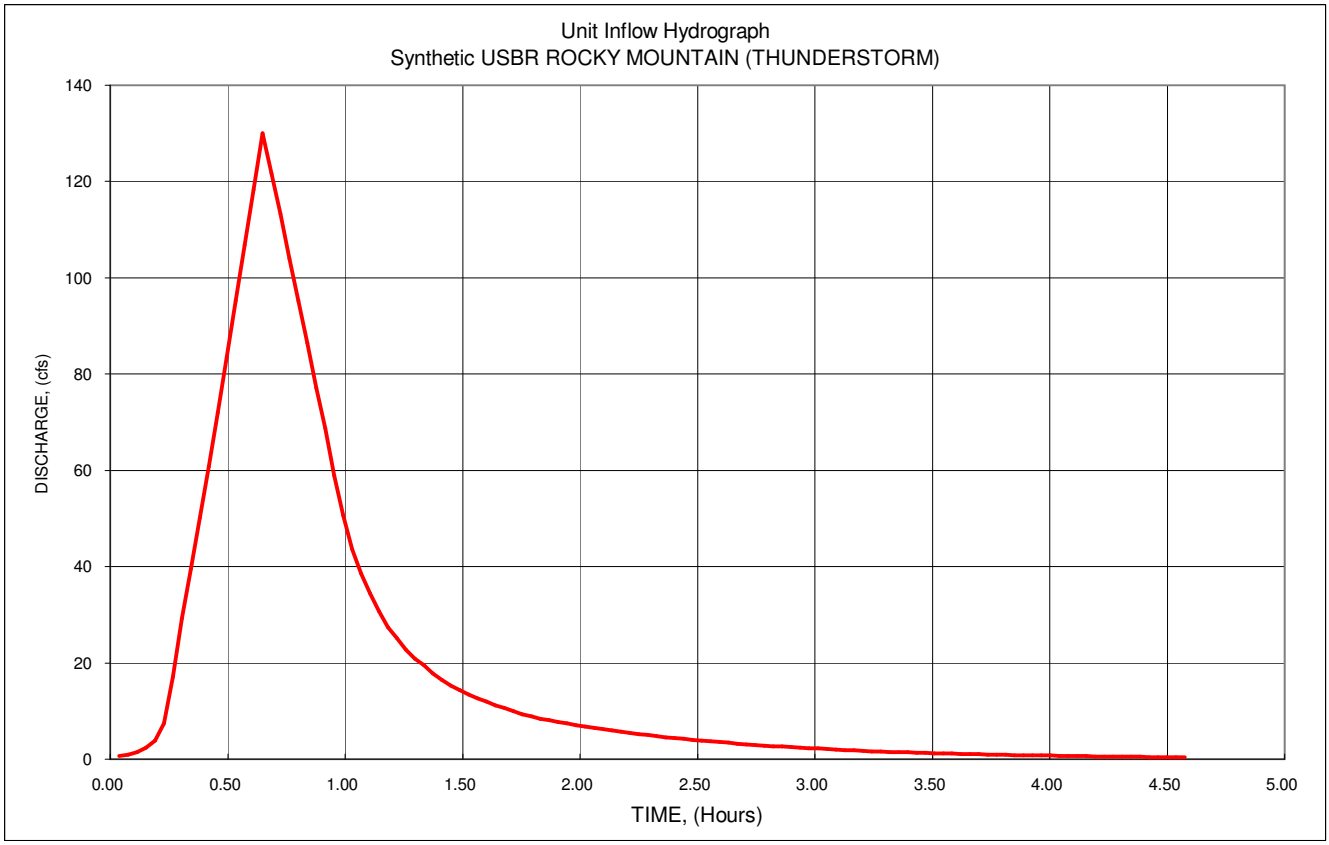
PARAMETERS:

Calculated: Lag Time, Lg = 0.68 Hours Unit Duration, D = 7.41 minutes

Calculated Timestep = 2.29 minutes

Data to be used in Analysis Unit Duration, D = 10 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	1	3	13	37	60	85	110	126	107	88
UI	68	49	37	29	23	20	16	14	12	11
UI	9	8	8	7	6	6	5	5	4	4
UI	4	3	3	3	2	2	2	2	2	1
UI	1	1	1	1	1	1	1	1	1	1
UI	1	1	0	0	0					
UI										
UI										
UI										
UI										
UI										
UI										

USBR calculated unitgraph peak = 130 Interpolated Peak = 126

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 21-Jan-08

Pinon Ridge Uranium Mill Site Basin 4 Kn=10

Drainage Area =	0.62	sq. miles	Lg+D/2 =	1.55	Hours
Basin Slope =	350.90	ft./mile	Basin Factor =	0.16	
L =	2.41	mi., Length of Watercourse	V' =	16.67	cfs/Day
Lca =	1.26	mi., Distance to Centroid	Qs =	10.7	* q, cfs
Kn =	0.100	-, Ave. Weighted Manning's n			

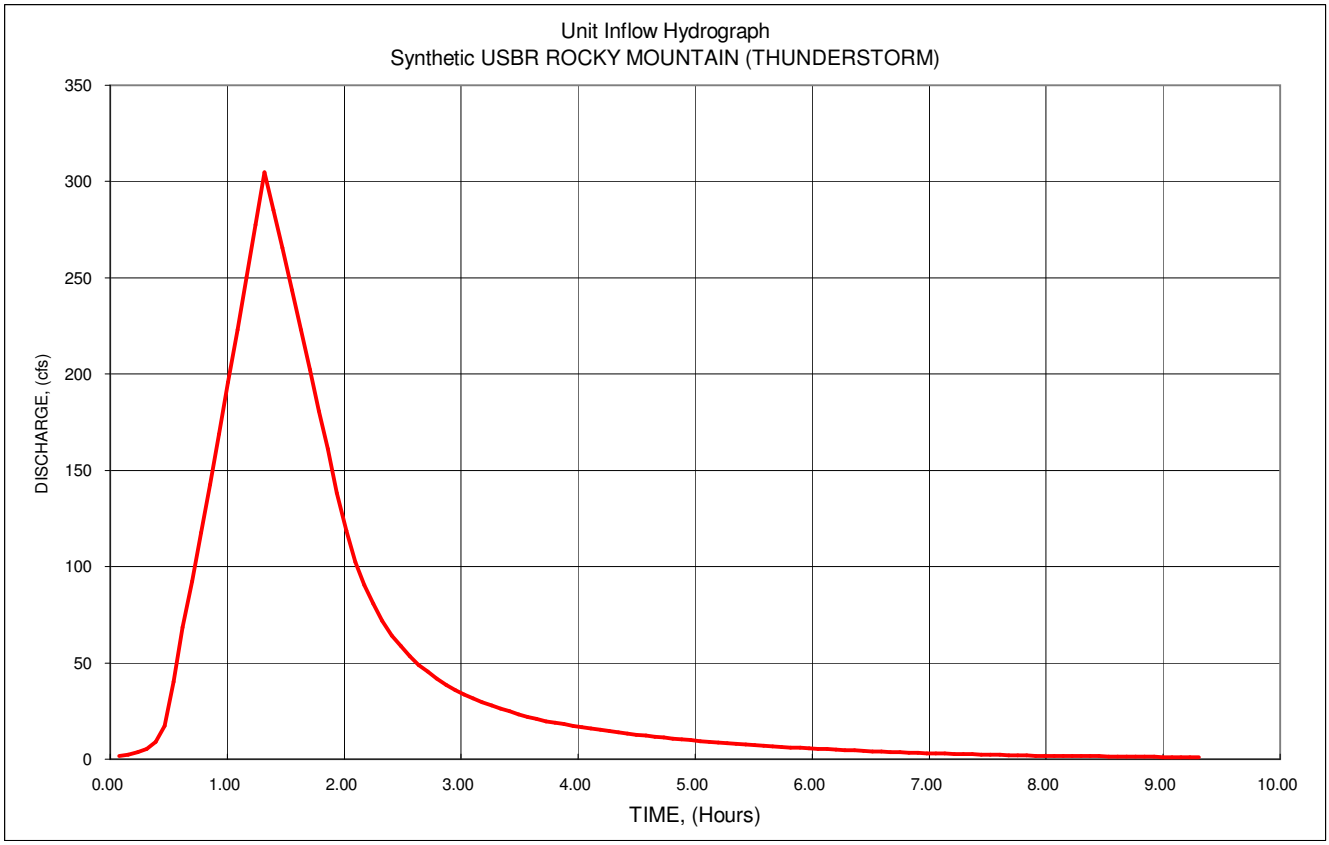
PARAMETERS:

Calculated: Lag Time, Lg = 1.43 Hours Unit Duration, D = 15.56 minutes

Calculated Timestep = 4.65 minutes

Data to be used Unit Duration, D = 15 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

in Analysis Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	2	2	4	7	12	28	55	83	109	136
UI	164	193	222	252	281	301	280	258	235	213
UI	190	168	145	123	105	91	81	71	63	58
UI	52	48	44	40	37	34	32	30	28	26
UI	25	23	22	21	19	19	18	17	16	15
UI	15	14	13	13	12	12	11	11	10	10
UI	9	9	8	8	8	7	7	7	6	6
UI	6	6	5	5	5	5	4	4	4	4
UI	4	3	3	3	3	3	3	3	3	2
UI	2	2	2	2	2	2	2	2	2	2
UI	2	1	1	1	1	1	1	1	1	1
UI	1	1								

USBR calculated unitgraph peak = 305 Interpolated Peak = 301

ROCKY MOUNTAIN (THUNDERSTORM) UNIT HYDROGRAPH 21-Jan-08

Pinon Ridge Uranium Mill Site Basin 5 Kn=10

Drainage Area =	0.19	sq. miles	Lg+D/2 =	0.97	Hours
Basin Slope =	153.60	ft./mile	Basin Factor =	0.04	
L =	0.98	mi., Length of Watercourse	V' =	5.11	cfs/Day
Lca =	0.49	mi., Distance to Centroid	Qs =	5.3	* q, cfs
Kn =	0.100	-, Ave. Weighted Manning's n			

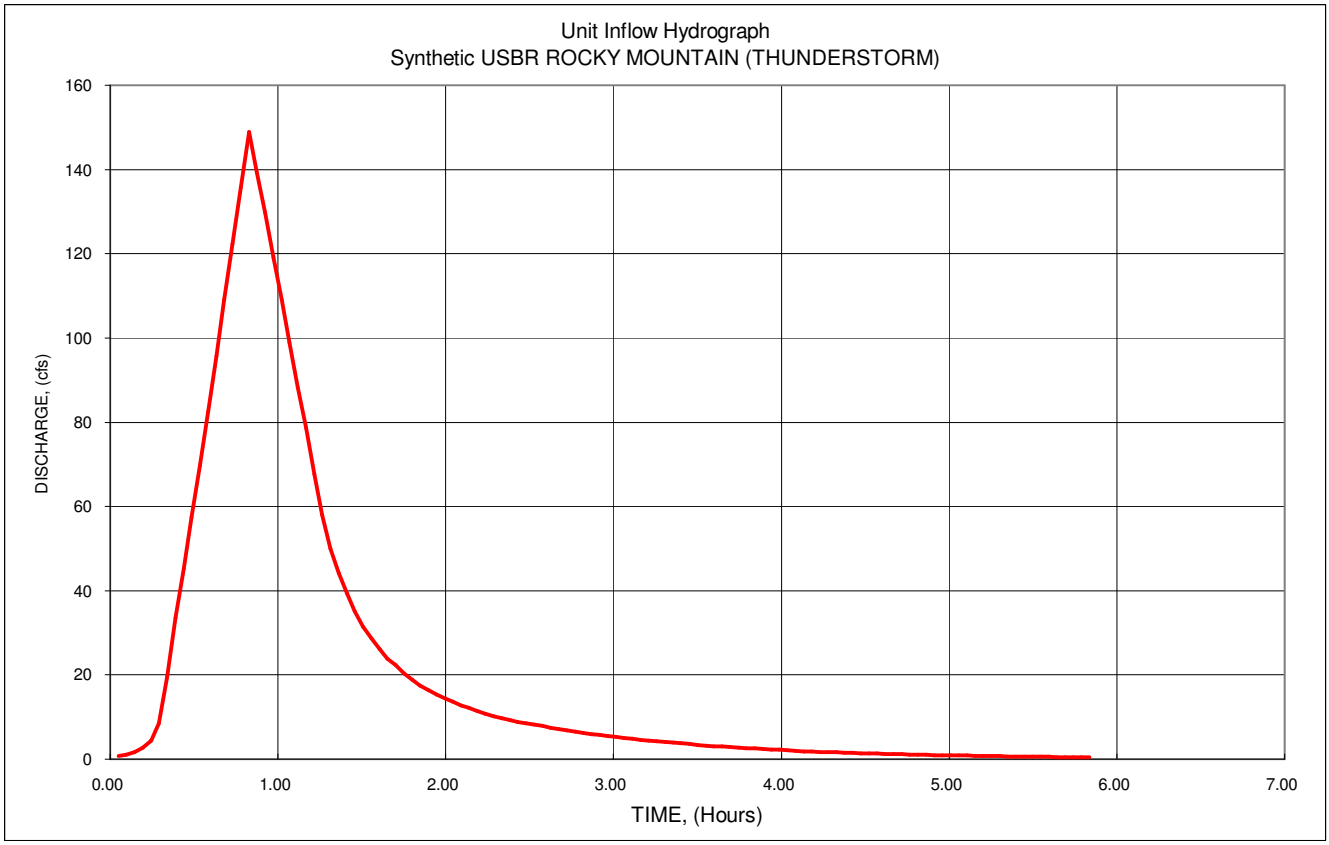
PARAMETERS:

Calculated: Lag Time, Lg = 0.89 Hours Unit Duration, D = 9.70 minutes

Calculated Timestep = 2.92 minutes

Data to be used in Analysis Unit Duration, D = 10 minutes, round down to nearest of 5, 10, 15, 30, 60, 120, 180, or 360

Selected Timestep = 5 minutes, integer value evenly divisible into 60



UI Record - Unit Graph 5 **minute interval**

UI	1	2	5	18	40	61	82	105	128	148
UI	131	113	96	79	61	48	39	32	27	23
UI	20	18	16	14	13	12	11	10	9	8
UI	8	7	7	6	6	5	5	5	4	4
UI	4	3	3	3	3	3	2	2	2	2
UI	2	2	1	1	1	1	1	1	1	1
UI	1	1	1	1	1	1	1	1	0	0
UI										
UI										
UI										
UI										
UI										

USBR calculated unitgraph peak = 149 Interpolated Peak = 148

Table B.1 Piñon Ridge Site Reaches and Effective Slopes

Subbasin	Reach	Length	Slope	Effective Slope
		ft	ft/ft	ft/ft
1	1	200	0.50	
	2	1200	0.32	
	3	1000	0.06	
	4	2500	0.27	
	5	2000	0.07	
	6	1600	0.04	
	7	3000	0.03	
	8	1400	0.01	
	9	1000	0.03	
				0.07
2	1	250	0.05	
	2	1400	0.03	
	3	4200	0.02	
				0.02
3	1	200	0.02	
	2	1400	0.02	
	3	1700	0.02	
				0.02
4	1	200	0.30	
	2	1600	0.45	
	3	1600	0.33	
	4	900	0.07	
	5	5100	0.04	
	6	3300	0.01	
				0.07
5	1	200	0.10	
	2	1400	0.04	
	3	3700	0.02	
				0.03

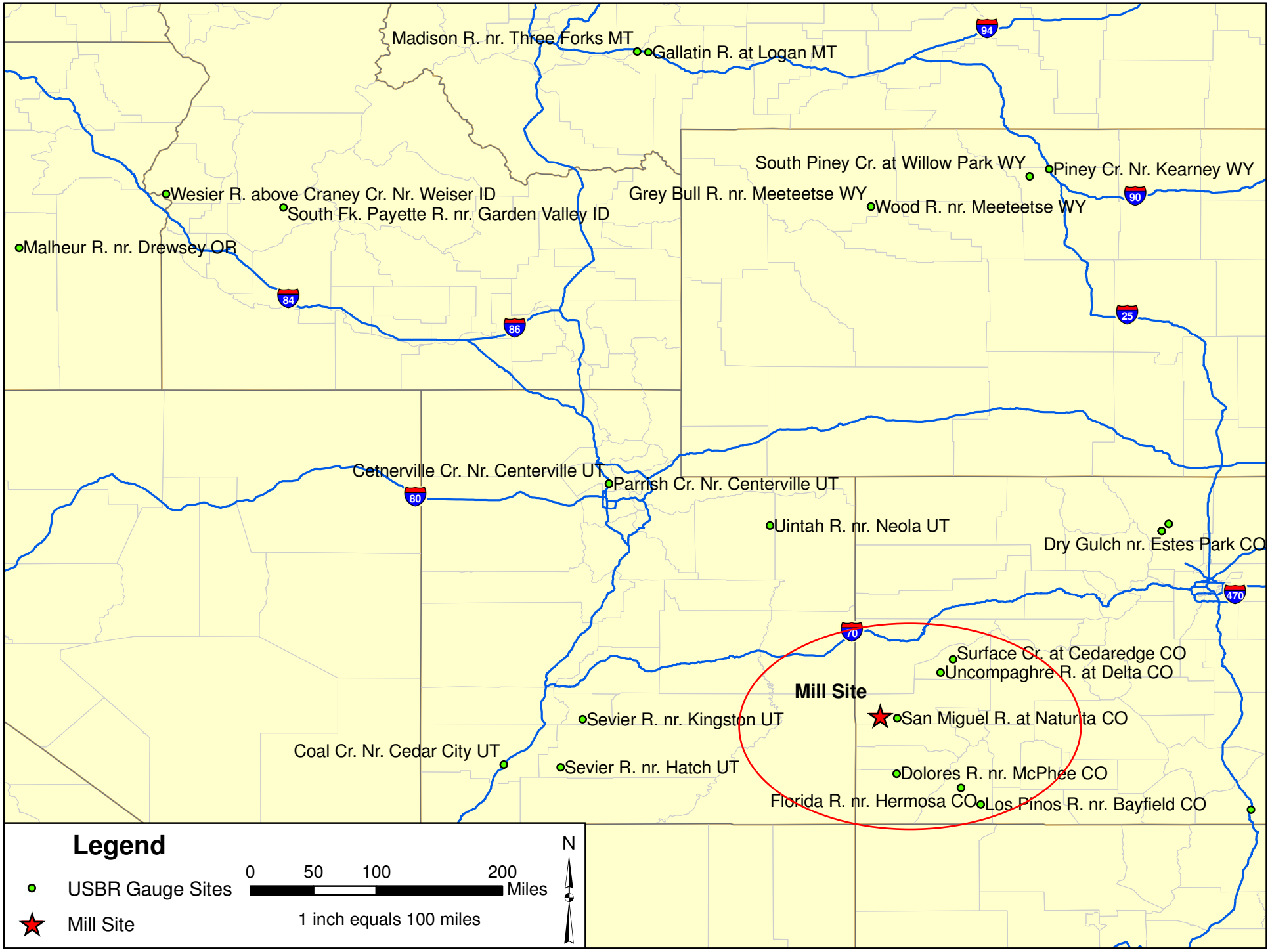

Madison R. nr. Three Forks MT
Gallatin R. at Logan MT
South Piney Cr. at Willow Park WY
Piney Cr. Nr. Kearney WY
Wesier R. above Craney Cr. Nr. Weiser ID
South Fk. Payette R. nr. Garden Valley ID
Grey Bull R. nr. Meeteetse WY
Wood R. nr. Meeteetse WY
Malheur R. nr. Drewsey OR
Cetnerville Cr. Nr. Centerville UT
Parrish Cr. Nr. Centerville UT
Uintah R. nr. Neola UT
Dry Gulch nr. Estes Park CO
Surface Cr. at Cedaredge CO
Uncompaghre R. at Delta CO
Mill Site
San Miguel R. at Naturita CO
Sevier R. nr. Kingston UT
Coal Cr. Nr. Cedar City UT
Sevier R. nr. Hatch UT
Dolores R. nr. McPhee CO
Florida R. nr. Hermosa CO
Los Pinos R. nr. Bayfield CO
94
90
25
84
86
80
70
470
Legend
USBR Gauge Sites
Mill Site
0
50
100
200
Miles
1 inch equals 100 miles
N

Table 4-2.—Unit hydrograph lag data for the Rocky Mountains, New Mexico, Colorado, Utah, Wyoming, Montana, Idaho, and Oregon.

Index No.	Station and location	Drainage area, mi²	Basin factor, $LL_{ca}/S^{0.5}$	Lag time, L_g, hours	K_n	C_t
1	Purgatoire R. at Trinidad, CO	742.0	69.8	8.0	0.076	1.98
2	Wood R. nr. Meeteetse, WY	194.0	41.9	21.5	.241	6.27
3	Grey Bull R. nr. Meeteetse, WY	681.0	68.3	34.0	.324	8.42
4	San Miguel R. at Naturita, CO	1080.0	174.0	34.0	.238	6.19
5	Uncompaghre R. at Delta, CO	1110.0	216.0	36.0	.235	6.11
6	Dry Gulch nr. Estes Park, CO	2.1	0.2	0.9	.059	1.53
7	Rabbit Gulch nr. Estes Park, CO	3.4	0.2	1.0	.065	1.69
8	North Fk. Big Thompson R. nr. Glen Haven, CO	1.3	0.1	0.7	.058	1.51
9	Uintah R. nr. Neola, UT	181.0	59.0	32.0	.324	8.42
10	South Fk. Payette R. nr. Garden Valley, ID	779.0	123.0	30.0	.236	6.14
11	Malheur R. nr. Drewsey, OR	910.0	114.0	30.0	.242	6.29
12	Weiser R. above Craney Cr. nr. Weiser, ID	1160.0	310.0	37.0	.214	5.56
13	Madison R. nr. Three Forks, MT	2511.0	2060.0	50.0	.155	4.03
14	Gallatin R. at Logan, MT	1795.0	443.0	38.0	.196	5.10
15	Surface Cr. at Cedaredge, CO	43.0	11.3	11.3	.195	5.07
16	South Piney Cr. at Willow Park, WY	28.9	3.8	10.5	.260	6.76
17	Piney Cr. at Kearney, WY	106.0	29.0	16.5	.209	5.43
18	Coal Cr. nr. Cedar City, UT	92.0	6.6	2.4	.050	1.30
19	Sevier R. nr. Hatch, UT	260.0	41.0	5.1	.058	1.51
20	Sevier R. nr. Kingston, UT	1110.0	469.0	11.0	.056	1.46
21	Centerville Cr. nr. Centerville, UT	3.9	0.4	2.4	.124	3.22
22	Parrish Cr. nr. Centerville, UT	2.0	0.3	2.2	.126	3.28
23	Florida R. nr. Hermosa, CO	69.4	12.5	15.5	.259	6.73
24	Dolores R. nr. McPhee, CO	793.0	193.0	9.0	.061	1.59
25	Los Pinos R. nr. Bayfield, CO	284.0	35.0	28.5	.339	8.81

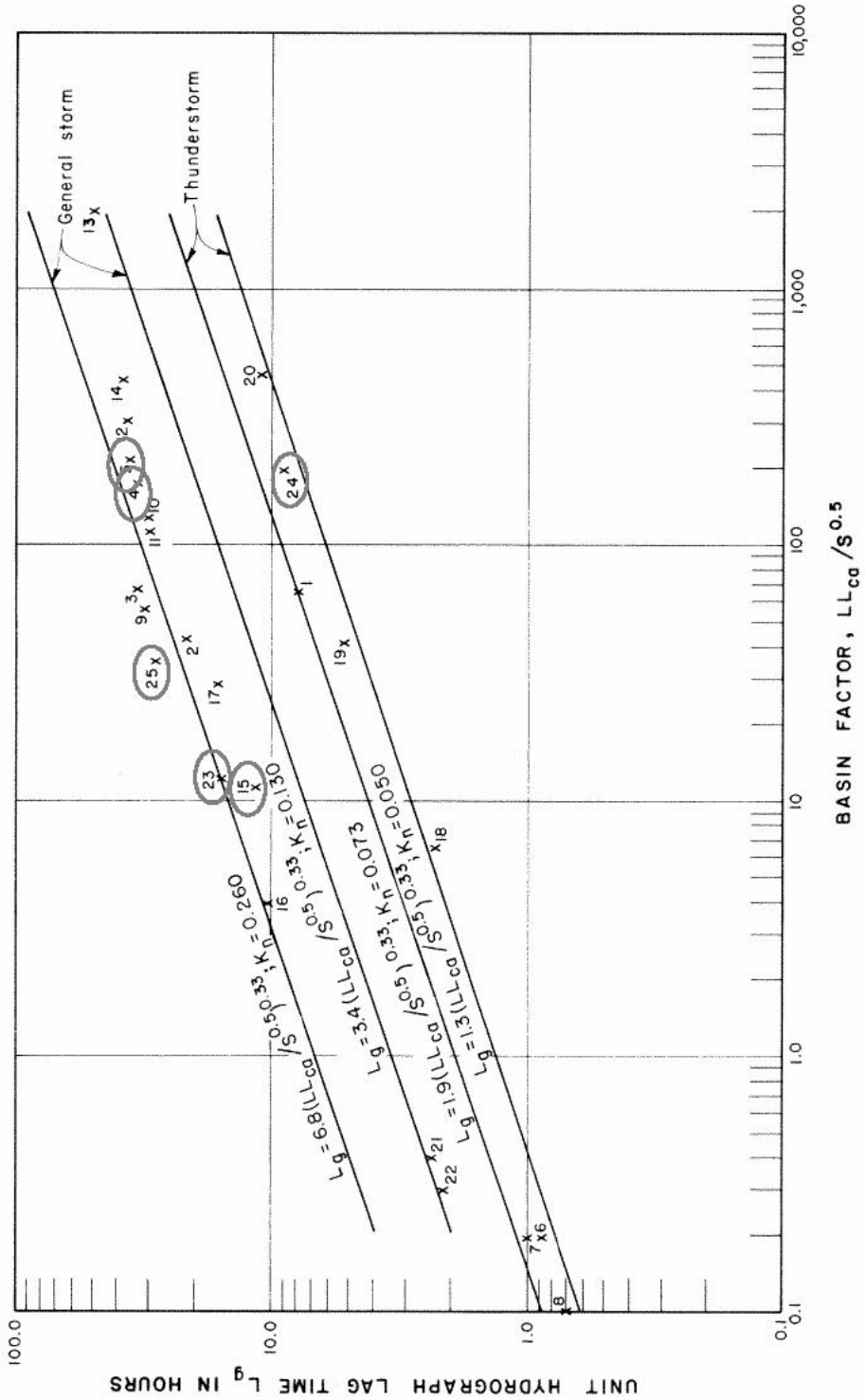


Figure 4-7.—Unit hydrograph lag relationships for the Rocky Mountains. 103-D-1851.