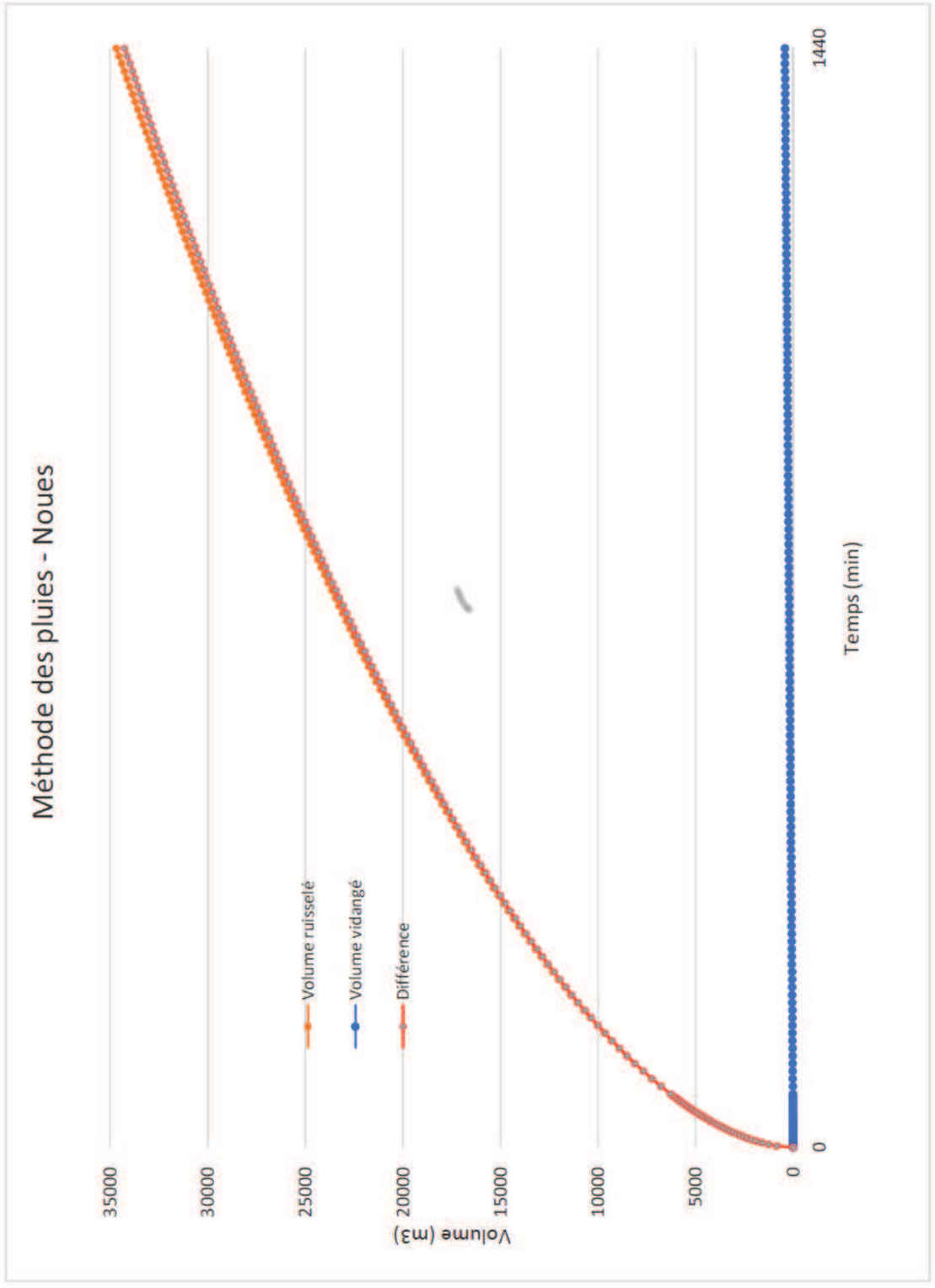
1-Méthode des pluies

MONTANA	DONNEES A RENTRER					
a =	5.7					
b =	0.436	Débit projet	3.389	m3/s		
Tc (min) =	10.8					
C =	0.83	Volume du bassin:	34256	m3		
Surf tot (ha) =	12.13					
Q fuite m3/s	0.005					

Temps (min)	Volume ruisselé m3	Volume écoulé m3	Différence m3		mm/min	mm/h
0	0	0	0			
24	3445.505038	7.128	3438.377038		1.43	85.56
48	5093.705205	14.256	5079.449205		1.05	63.24
72	6402.495426	21.384	6381.111426		0.88	52.99
96	7530.34241	28.512	7501.83041		0.78	46.75
120	8540.277288	35.64	8504.637288		0.71	42.41
144	9465.208705	42.768	9422.440705		0.65	39.17
168	10324.95539	49.896	10275.05939		0.61	36.63
192	11132.57531	57.024	11075.55131		0.58	34.55
216	11897.22471	64.152	11833.07271		0.55	32.82
240	12625.62509	71.28	12554.34509		0.52	31.35
264	13322.88759	78.408	13244.47959		0.50	30.08
288	13993.00895	85.536	13907.47295		0.48	28.96
312	14639.18638	92.664	14546.52238		0.47	27.96
336	15264.02615	99.792	15164.23415		0.45	27.07
360	15869.68693	106.92	15762.76693		0.44	26.27
384	16457.98111	114.048	16343.93311		0.43	25.54
408	17030.44833	121.176	16909.27233		0.41	24.88
432	17588.41005	128.304	17460.10605		0.40	24.26
456	18133.0108	135.432	17997.5788		0.39	23.70
480	18665.24981	142.56	18522.68981		0.39	23.17
504	19186.0058	149.688	19036.3178		0.38	22.69
528	19696.05649	156.816	19539.24049		0.37	22.23
552	20196.09425	163.944	20032.15025		0.36	21.80
576	20686.73874	171.072	20515.66674		0.36	21.40
600	21168.54724	178.2	20990.34724		0.35	21.03
624	21642.02316	185.328	21456.69516		0.34	20.67
648	22107.62311	192.456	21915.16711		0.34	20.33
672	22565.76281	199.584	22366.17881		0.33	20.01
696	23016.82205	206.712	22810.11005		0.33	19.71
720	23461.14896	213.84	23247.30896		0.32	19.42
744	23899.06358	220.968	23678.09558		0.32	19.14
768	24330.86096	228.096	24102.76496		0.31	18.88
792	24756.81386	235.224	24521.58986		0.31	18.63
816	25177.17499	242.352	24934.82299		0.31	18.39
840	25592.17909	249.48	25342.69909		0.30	18.16
864	26002.04465	256.608	25745.43665		0.30	17.94
888	26406.97545	263.736	26143.23945		0.30	17.72
912	26807.16193	270.864	26536.29793		0.29	17.52
936	27202.7824	277.992	26924.7904		0.29	17.32
960	27594.00409	285.12	27308.88409		0.29	17.13
984	27980.98408	292.248	27688.73608		0.28	16.95
1008	28363.87018	299.376	28064.49418		0.28	16.77
1032	28742.80167	306.504	28436.29767		0.28	16.60
1056	29117.90996	313.632	28804.27796		0.27	16.43
1080	29489.31924	320.76	29168.55924		0.27	16.27
1104	29857.147	327.888	29529.259		0.27	16.12
1128	30221.50452	335.016	29886.48852		0.27	15.97
1152	30582.49737	342.144	30240.35337		0.26	15.82
1176	30940.22577	349.272	30590.95377		0.26	15.68
1200	31294.78496	356.4	30938.38496		0.26	15.54
1224	31646.26559	363.528	31282.73759		0.26	15.41
1248	31994.75398	370.656	31624.09798		0.25	15.28
1272	32340.33243	377.784	31962.54843		0.25	15.15
1296	32683.07946	384.912	32298.16746		0.25	15.03
1320	33023.07008	392.04	32631.03008		0.25	14.91
1344	33360.37597	399.168	32961.20797		0.25	14.79
1368	33695.06573	406.296	33288.76973		0.24	14.68
1392	34027.20501	413.424	33613.78101		0.24	14.57
1416	34356.85673	420.552	33936.30473		0.24	14.46
1440	34684.08121	427.68	34256.40121		0.24	14.35

Page 1

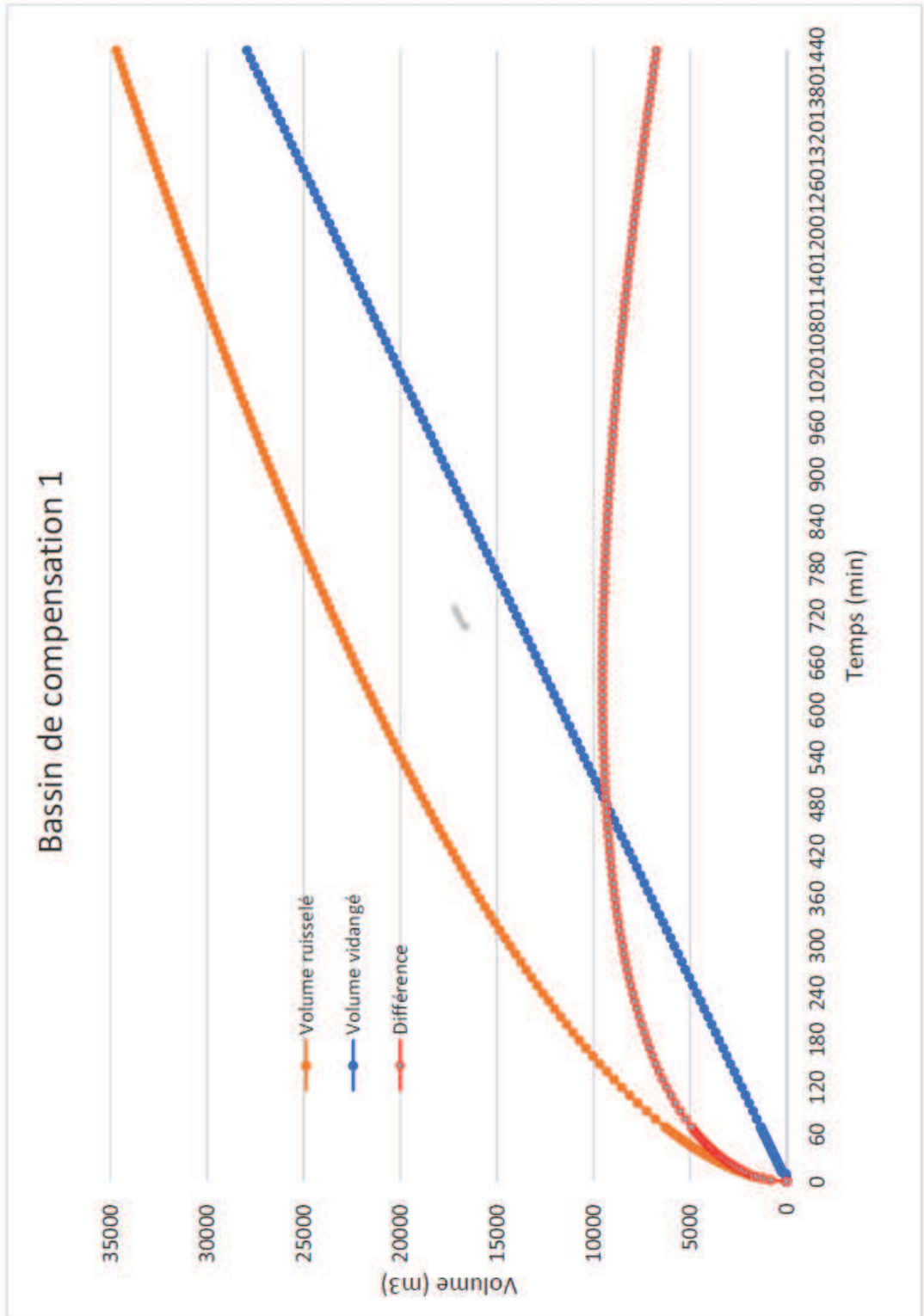


Méthode des pluies appliquée sur les noues

Calcul du volume d'un bassin de rétention par la méthode des pluies.

MONTANA	DONNEES A RENTRER					
a =	5.7					
b =	0.436	Débit projet	3.389	m3/s		
Tc (min) =	10.8					
C =	0.83	Volume du bassin:	9534	m3		
Surf tot (ha) =	12.13					
Q fuite n°1 m3/s	0.083	Avec infiltration des bassins				
Q fuite n°2 m3/s	0.241					

Temps (min)	Volume ruisselé m3	Volume écoulé m3	Différence m3		mm/min	mm/h
0	0	0	0			
24	3445.505038	119.088	3326.417038		1.43	85.56
48	5093.705205	238.176	4855.529205		1.05	63.24
72	6402.495426	357.264	6045.231426		0.88	52.99
96	7530.34241	476.352	7053.99041		0.78	46.75
120	8540.277288	595.44	7944.837288		0.71	42.41
144	9465.208705	2794.176	6671.032705		0.65	39.17
168	10324.95539	3259.872	7065.083387		0.61	36.63
192	11132.57531	3725.568	7407.007314		0.58	34.55
216	11897.22471	4191.264	7705.960713		0.55	32.82
240	12625.62509	4656.96	7968.665095		0.52	31.35
264	13322.88759	5122.656	8200.231592		0.50	30.08
288	13993.00895	5588.352	8404.656953		0.48	28.96
312	14639.18638	6054.048	8585.138375		0.47	27.96
336	15264.02615	6519.744	8744.282149		0.45	27.07
360	15869.68693	6985.44	8884.246933		0.44	26.27
384	16457.98111	7451.136	9006.845108		0.43	25.54
408	17030.44833	7916.832	9113.616326		0.41	24.88
432	17588.41005	8382.528	9205.882053		0.40	24.26
456	18133.0108	8848.224	9284.786798		0.39	23.70
480	18665.24981	9313.92	9351.329811		0.39	23.17
504	19186.0058	9779.616	9406.389802		0.38	22.69
528	19696.05649	10245.312	9450.744492		0.37	22.23
552	20196.09425	10711.008	9485.086249		0.36	21.80
576	20686.73874	11176.704	9510.034737		0.36	21.40
600	21168.54724	11642.4	9526.147238		0.35	21.03
624	21642.02316	12108.096	9533.927162		0.34	20.67
648	22107.62311	12573.792	9533.831115		0.34	20.33
672	22565.76281	13039.488	9526.274809		0.33	20.01
696	23016.82205	13505.184	9511.638049		0.33	19.71
720	23461.14896	13970.88	9490.268957		0.32	19.42
744	23899.06358	14436.576	9462.487576		0.32	19.14
768	24330.86096	14902.272	9428.588964		0.31	18.88
792	24756.81386	15367.968	9388.84586		0.31	18.63
816	25177.17499	15833.664	9343.510993		0.31	18.39
840	25592.17909	16299.36	9292.819093		0.30	18.16
864	26002.04465	16765.056	9236.988648		0.30	17.94
888	26406.97545	17230.752	9176.223445		0.30	17.72
912	26807.16193	17696.448	9110.71393		0.29	17.52
936	27202.7824	18162.144	9040.638404		0.29	17.32
960	27594.00409	18627.84	8966.164091		0.29	17.13
984	27980.98408	19093.536	8887.448083		0.28	16.95
1008	28363.87018	19559.232	8804.638184		0.28	16.77
1032	28742.80167	20024.928	8717.87367		0.28	16.60
1056	29117.90996	20490.624	8627.285962		0.27	16.43
1080	29489.31924	20956.32	8532.999241		0.27	16.27
1104	29857.147	21422.016	8435.130997		0.27	16.12
1128	30221.50452	21887.712	8333.792524		0.27	15.97
1152	30582.49737	22353.408	8229.089374		0.26	15.82
1176	30940.22577	22819.104	8121.121768		0.26	15.68
1200	31294.78496	23284.8	8009.984961		0.26	15.54
1224	31646.26559	23750.496	7895.76959		0.26	15.41
1248	31994.75398	24216.192	7778.561979		0.25	15.28
1272	32340.33243	24681.888	7658.444425		0.25	15.15
1296	32683.07946	25147.584	7535.495457		0.25	15.03
1320	33023.07008	25613.28	7409.790075		0.25	14.91
1344	33360.37597	26078.976	7281.39997		0.25	14.79
1368	33695.06573	26544.672	7150.393725		0.24	14.68
1392	34027.20501	27010.368	7016.837005		0.24	14.57
1416	34356.85673	27476.064	6880.792725		0.24	14.46
1440	34684.08121	27941.76	6742.321213		0.24	14.35



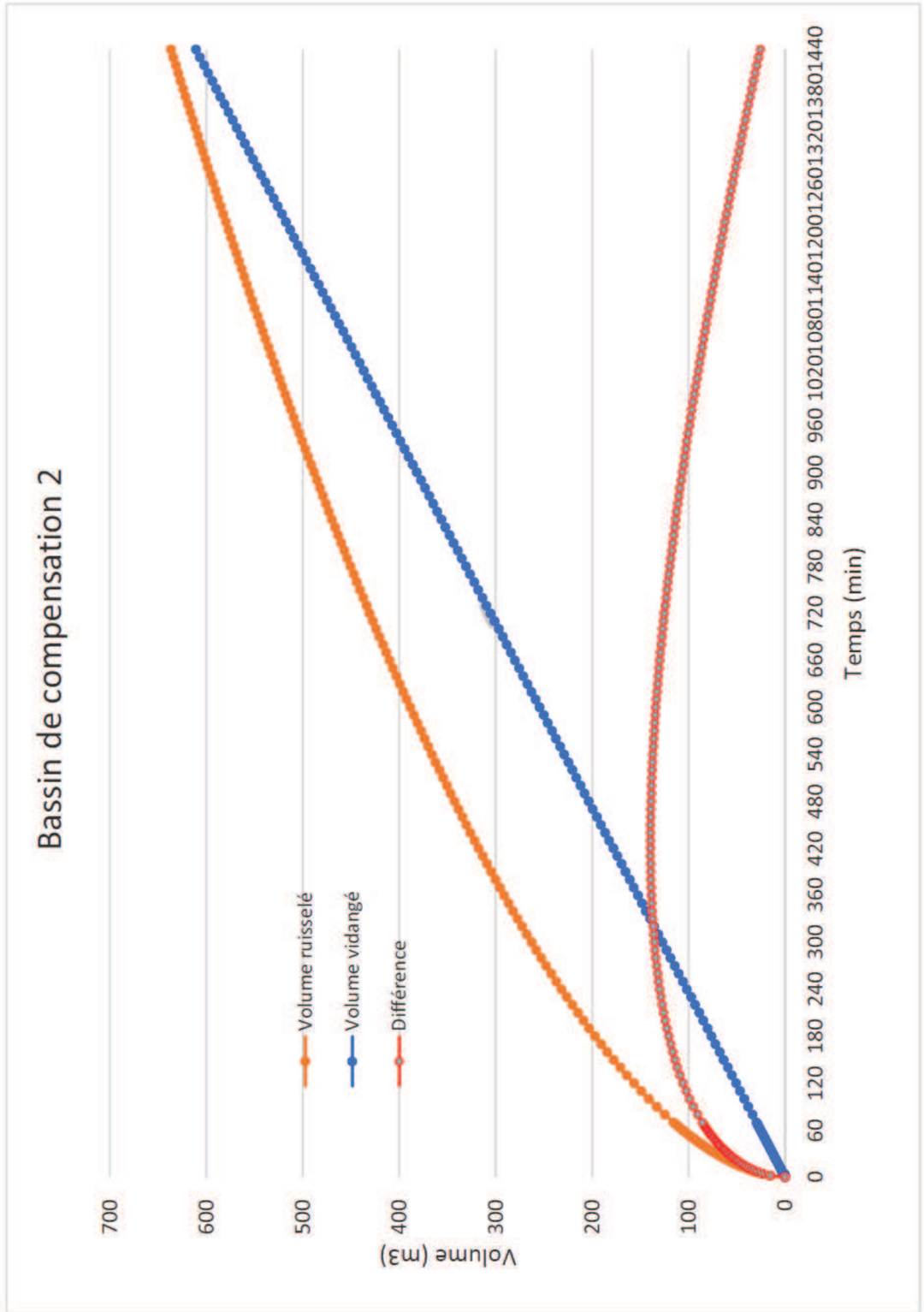
Méthode des pluies appliquée sur le bassin 1

1-Méthode des pluies

Calcul du volume d'un bassin de rétention par la méthode des plules.

MONTANA	DONNEES A RENTRER					
a =	5.7					
b =	0.436	Débit projet	0.136	m3/s		
Tc (min) =	1.8					
C =	0.44	Volume du bassin:	140	m3		
Surf tot (ha) =	0.42					
Q fuite n°1 m3/s	0.002	Avec infiltration des bassins				
Q fuite n°2 m3/s	0.005					

Temps (min)	Volume ruisselé m3	Volume écoulé m3	Différence m3		mm/min	mm/h
0	0	0	0			
24	63.24350967	2.88	60.36350967		1.43	85.56
48	93.49682871	5.76	87.73682871		1.05	63.24
72	117.5201536	30.5424	86.97775364		0.88	52.99
96	138.222199	40.7232	97.49899901		0.78	46.75
120	156.7599244	50.904	105.8559244		0.71	42.41
144	173.7373801	61.0848	112.6525801		0.65	39.17
168	189.518346	71.2656	118.252746		0.61	36.63
192	204.3425062	81.4464	122.8961062		0.58	34.55
216	218.3779266	91.6272	126.7507266		0.55	32.82
240	231.7479829	101.808	129.9399829		0.52	31.35
264	244.546492	111.9888	132.557692		0.50	30.08
288	256.8468156	122.1696	134.6772156		0.48	28.96
312	268.7076393	132.3504	136.3572393		0.47	27.96
336	280.1768027	142.5312	137.6456027		0.45	27.07
360	291.2939287	152.712	138.5819287		0.44	26.27
384	302.0922843	162.8928	139.1994843		0.43	25.54
408	312.6001302	173.0736	139.5265302		0.41	24.88
432	322.8417225	183.2544	139.5873225		0.40	24.26
456	332.8380691	193.4352	139.4028691		0.39	23.70
480	342.6075115	203.616	138.9915115		0.39	23.17
504	352.1661789	213.7968	138.3693789		0.38	22.69
528	361.5283465	223.9776	137.5507465		0.37	22.23
552	370.7067231	234.1584	136.5483231		0.36	21.80
576	379.7126827	244.3392	135.3734827		0.36	21.40
600	388.5564546	254.52	134.0364546		0.35	21.03
624	397.247279	264.7008	132.546479		0.34	20.67
648	405.793537	274.8816	130.911937		0.34	20.33
672	414.2028593	285.0624	129.1404593		0.33	20.01
696	422.4822172	295.2432	127.2390172		0.33	19.71
720	430.6380007	305.424	125.2140007		0.32	19.42
744	438.6760843	315.6048	123.0712843		0.32	19.14
768	446.6018838	325.7856	120.8162838		0.31	18.88
792	454.4204056	335.9664	118.4540056		0.31	18.63
816	462.1362885	346.1472	115.9890885		0.31	18.39
840	469.753841	356.328	113.425841		0.30	18.16
864	477.2770738	366.5088	110.7682738		0.30	17.94
888	484.7097272	376.6896	108.0201272		0.30	17.72
912	492.055297	386.8704	105.184897		0.29	17.52
936	499.317056	397.0512	102.265856		0.29	17.32
960	506.4980737	407.232	99.26607369		0.29	17.13
984	513.6012335	417.4128	96.18843347		0.28	16.95
1008	520.6292484	427.5936	93.0356484		0.28	16.77
1032	527.5846749	437.7744	89.81027491		0.28	16.60
1056	534.4699253	447.9552	86.5147253		0.27	16.43
1080	541.287279	458.136	83.15127895		0.27	16.27
1104	548.0388924	468.3168	79.72209242		0.27	16.12
1128	554.7268086	478.4976	76.22920857		0.27	15.97
1152	561.3529648	488.6784	72.67456485		0.26	15.82
1176	567.9192008	498.8592	69.06000081		0.26	15.68
1200	574.4272649	509.04	65.38726495		0.26	15.54
1224	580.8788209	519.2208	61.65802091		0.26	15.41
1248	587.2754532	529.4016	57.87385321		0.25	15.28
1272	593.6186724	539.5824	54.03627244		0.25	15.15
1296	599.90992	549.7632	50.14672002		0.25	15.03
1320	606.1505726	559.944	46.2065726		0.25	14.91
1344	612.3419461	570.1248	42.21714611		0.25	14.79
1368	618.4852994	580.3056	38.17969942		0.24	14.68
1392	624.5818378	590.4864	34.09543782		0.24	14.57
1416	630.6327161	600.6672	29.96551614		0.24	14.46
1440	636.6390417	610.848	25.79104172		0.24	14.35



Méthode des pluies appliquée sur le bassin 2