



Unione di Comuni Valdarno Valdisieve
Comuni di Pontassieve Londa Pelago Rufina e San Godenzo



Piano Strutturale Intercomunale

Sindaco del Comune di Pontassieve: **Monica Marini**
Sindaco del Comune di Londa: **Tommaso Cuoretti**
Sindaco del Comune di Pelago: **Nicola Povoleri**
Sindaco del Comune di Rufina: **Vito Maida**
Sindaco del Comune di San Godenzo: **Emanuele Piani**

RESPONSABILE DEL PROCEDIMENTO
E COORDINATORE UFFICIO DI PIANO: **Fabio Carli**

GARANTE INFORMAZIONE
E PARTECIPAZIONE: **Maddalena Rossi**

UFFICIO UNICO DI PIANO:

Sonia Carletti (Collaborazione al coordinamento dell'attività di pianificazione)
Francesca Procacci (Aspetti ambientali ed idrogeologici)
Giorgio Volpi (Progettazione db geografico del piano - elaborazioni GIS)
Elisa Iannotta (Analisi urbanistiche e territoriali - elaborazioni GIS)
Caterina Fusi (Editing ed elaborati grafici di sintesi - aspetti paesaggistici)
Martina Angeletti (Firenze Smart, aspetti urbanistici e paesaggistici - elaborazioni GIS)
Paolo Biagiotti (Firenze Smart, SIT)

TECNICI REFERENTI COMUNI ASSOCIATI:

Silvia Rogai (Comune di Pontassieve)
Franco Pretolani (Comuni di Londa e San Godenzo)
Alessandro Pratesi (Comune di Pelago)
Pilade Pinzani (Comune di Rufina)

CONSULENTI ESTERNI:

Aspetti geologici: **Geo Eco Progetti**
Aspetti idraulici: **Hydrogeo Ingegneria Srl**
Aspetti agroforestali: **Ilaria Scatarzi**
Aspetti faunistici: **Carlo Scoccianti**
Revisione vincoli paesaggistici: **Francesca Furter**
Aspetti socio economici: **PIN Srl**
Processo partecipativo: **Maddalena Rossi**
Valutazione Ambientale Strategica: **Ambiente Spa**
Pubblicazione SIT: **Firenze Smart**

IL RESPONSABILE DEL PROCEDIMENTO
(Dott. Fabio Carli)

ALLEGATO 1 - ANALISI IDROLOGICA

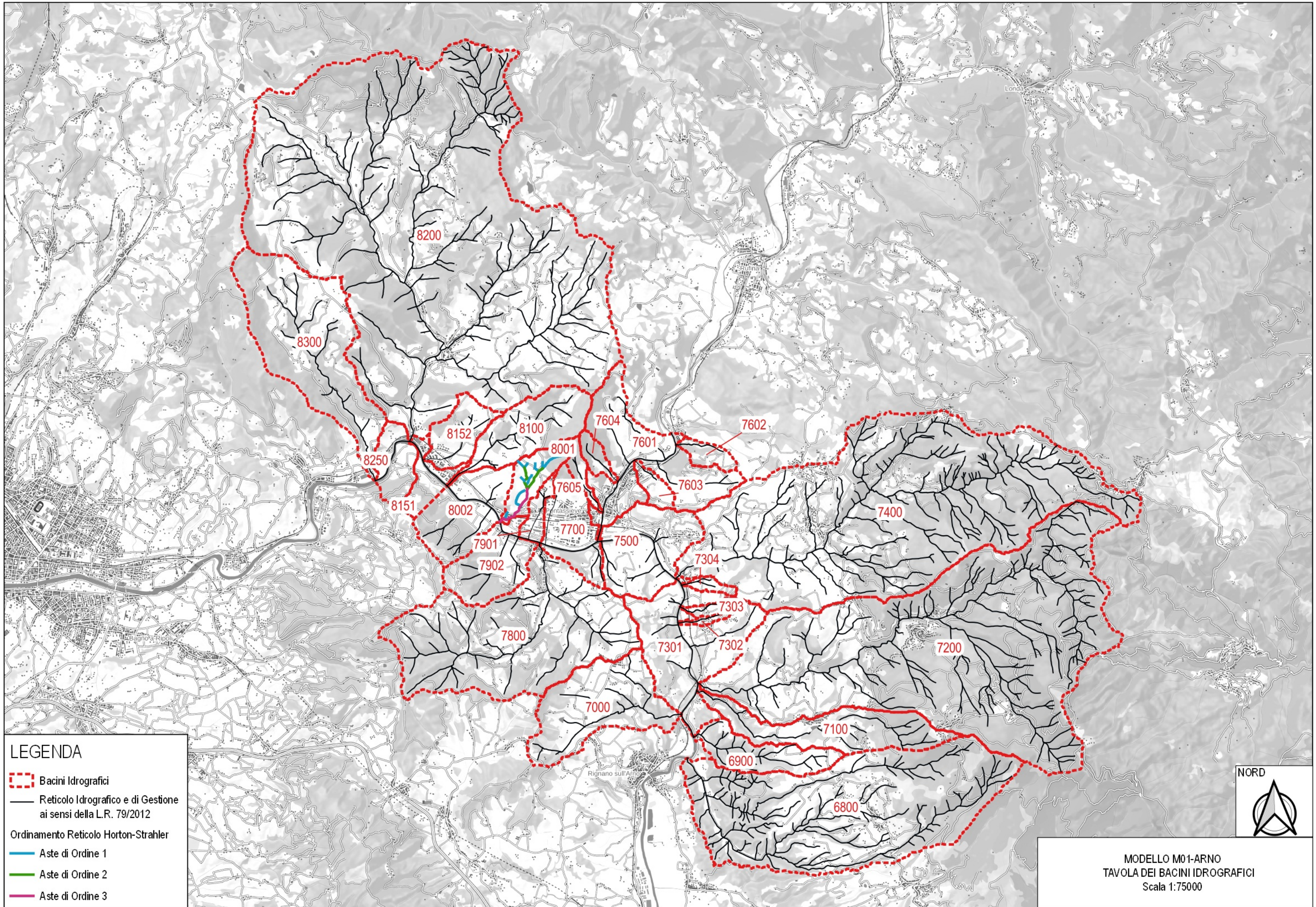
ADOZIONE

APPROVAZIONE


IDR_GEN_00.A1



MODELLO 01-ARNO



LEGENDA

-  Bacini Idrografici
-  Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Ordinamento Reticolo Horton-Strahler**
-  Aste di Ordine 1
-  Aste di Ordine 2
-  Aste di Ordine 3

NORD



MODELLO M01-ARNO
TAVOLA DEI BACINI IDROGRAFICI
Scala 1:75000

MODELLO 01 - ARNO

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

Parametri geomorfologici:

Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	TI [h]
6800	MARNIA	16.12	17.14	1.24	0.56	0.56	0.32
6900	BONA	2.22	16.16	0.95	0.23	0.23	0.05
7000	RICCIOFANI	4.90	12.01	3.78	0.38	0.38	0.15
7100	CILIANA	3.92	16.47	1.60	0.53	0.53	0.28
7200	VICANO DI SANTELLERO	29.61	20.06	1.74	0.81	0.81	0.65
7300	BAC24	6.25	12.15	0.82	0.09	0.09	0.01
7400	VICANO DI PELAGO	27.56	16.64	1.69	0.88	0.88	0.78
7500	BAC25	3.67	7.89	2.10	0.09	0.09	0.01
7600	BACS17	7.37	10.06	4.25	0.11	0.11	0.01
7700	BAC26	2.37	8.24	2.27	0.09	0.09	0.01
7800	CASTIGLIONCHIO	11.96	14.98	4.11	0.41	0.41	0.17
7900	BAC27	3.20	13.58	3.34	0.09	0.09	0.01
8001	FOGLIACCE	1.30	12.62	2.52	0.21	0.21	0.04
8002	BAC28-INTERBACINO	3.10	12.62	2.52	0.11	0.11	0.01
8100	PELACANE	3.12	14.16	2.82	0.25	0.25	0.06
8151	BAC28-INTERBACINO	1.03	8.62	1.22	0.11	0.11	0.01
8152	RAGNAIA	1.61	8.62	1.22	0.19	0.19	0.04
8200	SIECI	49.19	16.23	2.94	0.78	0.78	0.62
8250	BAC30	1.41	10.48	2.11	0.11	0.11	0.01
8300	FALLE	8.02	16.01	3.50	0.40	0.40	0.16

Parametri pluviometrici:

Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	Q _{max} [m ³ /s]	Vol [1000 m ³]	H _{max} [m s.l.m.]
0000A	ARNO VALDARNO SUPERIORE	30	9.0	G	41.25	3069.00	1820.04
			12.0	G	1902.38	118003.20	107.39
			18.0	G	1905.30	140811.53	107.40
			24.0	G	1796.28	149556.32	107.14
			36.0	G	1409.29	175345.49	106.12
		200	9.0	G	2451.94	147022.82	108.54
			12.0	G	2623.40	178286.83	108.87
			18.0	G	1796.28	219264.33	109.10
			24.0	G	2701.00	243279.34	109.01
			36.0	G	2327.98	302674.83	108.33

Parametri pluviometrici:

Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	Q _{max} [m ³ /s]	Vol [1000 m ³]
0000S	SIEVE MONTE	30	1.0	S	266.83	5147.73
			3.0	S	679.22	16115.81
			6.0	S	887.86	24143.18
			9.0	G	952.40	29106.43
			12.0	G	919.58	32760.48
			18.0	G	747.28	37785.08
			24.0	G	607.96	41681.14
			36.0	G	435.85	46928.46
		200	1.0	S	494.33	9395.72
			3.0	S	957.32	24677.63
			6.0	S	1251.33	36604.08
			9.0	G	1334.66	45475.32
			12.0	G	1287.92	52584.19
			18.0	G	1082.66	64222.34
			24.0	G	921.56	72028.03
			36.0	G	773.02	84196.88

Parametri pluviometrici:

Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
6800	MARNIA	30	9.0	G	104.7	0.747	78.1	33.31	803.35
			12.0	G	112.1	0.771	86.5	26.70	877.40
			18.0	G	123.5	0.805	99.4	19.16	965.32
			24.0	G	132.3	0.827	109.4	14.85	1006.85
			36.0	G	145.7	0.857	124.8	9.97	1015.66
		200	9.0	G	166.9	0.747	124.7	56.45	1552.97
			12.0	G	182.1	0.771	140.4	46.84	1747.38
			18.0	G	205.8	0.805	165.6	35.63	2032.39
			24.0	G	224.4	0.827	185.6	29.07	2235.30
			36.0	G	253.6	0.857	217.2	21.46	2504.99
6900	BONA	30	9.0	G	99.0	0.733	72.5	4.38	106.00
			12.0	G	105.7	0.758	80.1	3.52	116.33
			18.0	G	116.0	0.792	91.8	2.55	129.54
			24.0	G	123.8	0.815	100.9	2.00	137.06
			36.0	G	135.9	0.845	114.9	1.38	142.99
		200	9.0	G	158.3	0.733	116.0	7.35	202.27
			12.0	G	172.1	0.758	130.5	6.11	228.07
			18.0	G	193.8	0.792	153.4	4.66	266.18
			24.0	G	210.7	0.815	171.7	3.82	294.22
			36.0	G	237.2	0.845	200.5	2.84	332.32
7000	RICCIOFANI	30	9.0	G	94.9	0.736	69.9	5.42	116.81
			12.0	G	102.2	0.761	77.8	3.68	100.29
			18.0	G	113.6	0.795	90.3	1.69	50.55
			24.0	G	122.4	0.818	100.1	0.00	0.00
			36.0	G	135.9	0.848	115.3	0.00	0.00
		200	9.0	G	139.7	0.736	102.9	10.40	278.27
			12.0	G	151.6	0.761	115.4	7.94	284.34
			18.0	G	170.2	0.795	135.3	5.09	271.00
			24.0	G	184.8	0.818	151.1	3.43	237.49
			36.0	G	207.4	0.848	175.9	1.51	136.93
7100	CILIANA	30	9.0	G	102.1	0.744	76.0	7.45	176.92
			12.0	G	109.2	0.769	84.0	5.88	189.35
			18.0	G	120.0	0.802	96.3	4.08	199.90
			24.0	G	128.3	0.825	105.8	3.06	199.78
			36.0	G	141.0	0.855	120.5	1.90	181.75
		200	9.0	G	162.7	0.744	121.0	12.90	353.48
			12.0	G	177.1	0.769	136.1	10.61	393.85
			18.0	G	199.6	0.802	160.1	7.94	450.09
			24.0	G	217.3	0.825	179.2	6.39	487.49
			36.0	G	244.9	0.855	209.3	4.59	530.22

Parametri pluviometrici:

Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
7200	VICANO SANTELLERO	30	9.0	G	99.7	0.804	80.2	57.53	1316.25
			12.0	G	108.1	0.826	89.3	46.77	1432.63
			18.0	G	121.1	0.856	103.7	33.05	1547.90
			24.0	G	131.3	0.875	114.9	25.07	1572.18
			36.0	G	147.2	0.900	132.5	15.95	1472.90
		200	9.0	G	136.0	0.804	109.3	84.60	2178.30
			12.0	G	148.8	0.826	123.0	69.88	2427.83
			18.0	G	169.0	0.856	144.6	51.77	2760.43
			24.0	G	185.0	0.875	161.9	41.16	2962.19
			36.0	G	210.1	0.900	189.1	28.89	3149.91
7300	BAC24	30	9.0	G	93.7	0.763	71.5	12.19	320.09
			12.0	G	100.8	0.787	79.3	9.91	353.24
			18.0	G	111.7	0.819	91.5	7.30	398.16
			24.0	G	120.2	0.841	101.1	5.80	426.28
			36.0	G	133.3	0.869	115.8	4.10	456.49
		200	9.0	G	134.5	0.763	102.6	18.11	511.87
			12.0	G	146.0	0.787	114.9	14.98	572.30
			18.0	G	163.9	0.819	134.3	11.36	661.32
			24.0	G	178.0	0.841	149.7	9.27	726.04
			36.0	G	199.8	0.869	173.7	6.85	812.93
7400	VICANO DI PELAGO	30	1.0	S	51.6	0.904	46.7	71.98	779.52
			3.0	S	69.3	0.928	64.3	95.28	1173.64
			6.0	S	83.5	0.943	78.7	81.32	1430.09
			9.0	G	93.1	0.796	74.1	49.35	1163.00
			12.0	G	100.6	0.8	82.3	39.5	1250.5
			18.0	G	112.2	0.8	95.2	27.5	1325.4
			24.0	G	121.2	0.869	105.3	20.62	1323.08
			36.0	G	135.2	0.894	120.9	12.75	1193.46
		200	1.0	S	64.9	0.904	58.7	102.15	1109.70
			3.0	S	90.2	0.928	83.7	135.03	1707.74
			6.0	S	111.0	0.943	104.7	114.44	2146.08
			9.0	G	125.4	0.796	99.8	71.44	1871.99
			12.0	G	136.8	0.819	112.0	58.42	2066.36
			18.0	G	154.5	0.849	131.1	42.80	2314.89
7500	BAC25	30	9.0	G	90.5	0.768	69.5	5.66	154.82
			12.0	G	97.3	0.792	77.0	4.34	158.99
			18.0	G	107.6	0.824	88.7	2.84	155.54
			24.0	G	115.6	0.845	97.7	1.99	143.32
			36.0	G	127.9	0.873	111.7	1.01	102.43
		200	9.0	G	127.4	0.768	97.8	8.81	256.94
			12.0	G	138.0	0.792	109.3	7.04	275.63
			18.0	G	154.5	0.824	127.3	5.00	295.48
			24.0	G	167.4	0.845	141.5	3.82	301.50
			36.0	G	187.5	0.873	163.7	2.46	290.33

Parametri pluviometrici:

Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	h_{lorda} [mm]	Kr [-]	h_{ragg} [mm]	Q_{max} [m3/s]	Vol [1000 m3]
7600	BAC217	30	9.0	G	86.3	0.792	68.4	6.81	146.86
			12.0	G	92.5	0.815	75.3	4.13	104.51
			18.0	G	101.8	0.845	86.1	0.00	0.00
			24.0	G	109.1	0.865	94.4	0.00	0.00
			36.0	G	120.1	0.891	107.1	0.00	0.00
		200	9.0	G	116.5	0.792	92.3	12.23	322.41
			12.0	G	125.9	0.815	102.6	8.76	304.60
			18.0	G	140.5	0.845	118.8	4.78	235.86
			24.0	G	151.8	0.865	131.4	2.49	141.24
			36.0	G	169.4	0.891	151.0	0.00	0.00
7700	BAC26	30	9.0	G	91.9	0.754	69.3	3.52	94.80
			12.0	G	99.0	0.778	77.0	2.69	96.97
			18.0	G	109.9	0.811	89.1	1.74	93.51
			24.0	G	118.4	0.833	98.6	1.19	83.62
			36.0	G	131.4	0.862	113.4	0.57	54.59
		200	9.0	G	131.2	0.754	98.9	5.66	164.11
			12.0	G	142.4	0.778	110.9	4.52	176.03
			18.0	G	160.0	0.811	129.8	3.21	188.72
			24.0	G	173.8	0.833	144.8	2.44	191.59
			36.0	G	195.3	0.862	168.4	1.56	182.95
7800	CASTIGLIONCHIO	30	9.0	G	93.9	0.729	68.5	11.61	197.57
			12.0	G	101.4	0.754	76.5	7.51	145.30
			18.0	G	112.8	0.788	89.0	0.00	0.00
			24.0	G	121.7	0.812	98.8	0.00	0.00
			36.0	G	135.5	0.842	114.1	0.00	0.00
		200	9.0	G	138.3	0.729	100.8	23.57	584.45
			12.0	G	150.3	0.754	113.4	17.74	587.14
			18.0	G	169.1	0.788	133.3	10.95	530.48
			24.0	G	183.8	0.812	149.2	6.99	425.03
			36.0	G	206.8	0.842	174.2	2.42	134.22
7900	BAC27	30	9.0	G	95.5	0.726	69.3	11.61	197.57
			12.0	G	103.4	0.751	77.7	7.51	145.30
			18.0	G	115.7	0.785	90.9	0.00	0.00
			24.0	G	125.2	0.809	101.3	0.00	0.00
			36.0	G	140.1	0.840	117.6	0.00	0.00
		200	9.0	G	140.6	0.726	102.1	23.57	584.45
			12.0	G	153.4	0.751	115.2	17.74	587.14
			18.0	G	173.4	0.785	136.2	10.95	530.48
			24.0	G	189.1	0.809	152.9	6.99	425.03
			36.0	G	213.7	0.840	179.4	2.42	134.22

Parametri pluviometrici:

Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
8001	FOGLIACCE	30	1.0	S	51.3	0.999	51.3	13.83	46.66
			3.0	S	69.5	0.999	69.4	7.41	63.67
			6.0	S	84.1	0.999	84.0	4.13	72.83
			9.0	G	94.0	0.723	67.9	1.82	42.51
			12.0	G	101.8	0.748	76.1	1.38	43.24
			18.0	G	113.8	0.782	89.0	0.88	40.54
			24.0	G	123.2	0.806	99.3	0.58	33.85
		200	1.0	S	71.3	0.999	71.2	20.44	72.44
			3.0	S	99.2	0.999	99.2	10.98	102.18
			6.0	S	122.3	0.999	122.2	6.42	122.29
			9.0	G	138.2	0.723	99.8	3.10	84.00
			12.0	G	150.7	0.748	112.7	2.48	90.76
			18.0	G	170.3	0.782	133.2	1.76	97.70
			24.0	G	185.7	0.806	149.6	1.34	99.41
8002	BAC28-INTERBACINO	30	9.0	G	94.0	0.723	67.9	4.32	100.93
			12.0	G	101.8	0.748	76.1	3.28	102.74
			18.0	G	113.8	0.782	89.0	2.08	95.87
			24.0	G	123.2	0.806	99.3	1.39	81.04
			36.0	G	137.8	0.837	115.3	0.59	37.27
		200	9.0	G	138.2	0.723	99.8	7.36	199.46
			12.0	G	150.7	0.748	112.7	5.90	215.86
			18.0	G	170.3	0.782	133.2	4.19	232.52
			24.0	G	185.7	0.806	149.6	3.19	236.62
			36.0	G	209.9	0.837	175.6	2.02	222.92
8100	PELACANE	30	1.0	S	51.0	0.999	50.9	27.04	103.85
			3.0	S	68.8	0.999	68.8	17.13	141.76
			6.0	S	83.2	0.999	83.1	9.46	160.11
			9.0	G	92.9	0.726	67.5	4.06	87.29
			12.0	G	100.5	0.752	75.6	3.01	85.93
			18.0	G	112.3	0.786	88.3	1.80	72.63
			24.0	G	121.5	0.809	98.3	1.10	51.12
		200	36.0	G	135.7	0.840	114.0	0.00	0.00
			1.0	S	70.3	0.999	70.2	40.93	163.06
			3.0	S	97.6	0.999	97.5	25.38	230.53
			6.0	S	120.2	0.999	120.1	14.74	274.30
			9.0	G	135.7	0.726	98.6	7.05	184.14
			12.0	G	147.9	0.752	111.2	5.58	196.94
			18.0	G	167.0	0.786	131.2	3.87	206.70
24.0	G	182.0	0.809	147.3	2.87	203.89			
36.0	G	205.5	0.840	172.6	1.71	177.50			

Parametri pluviometrici:

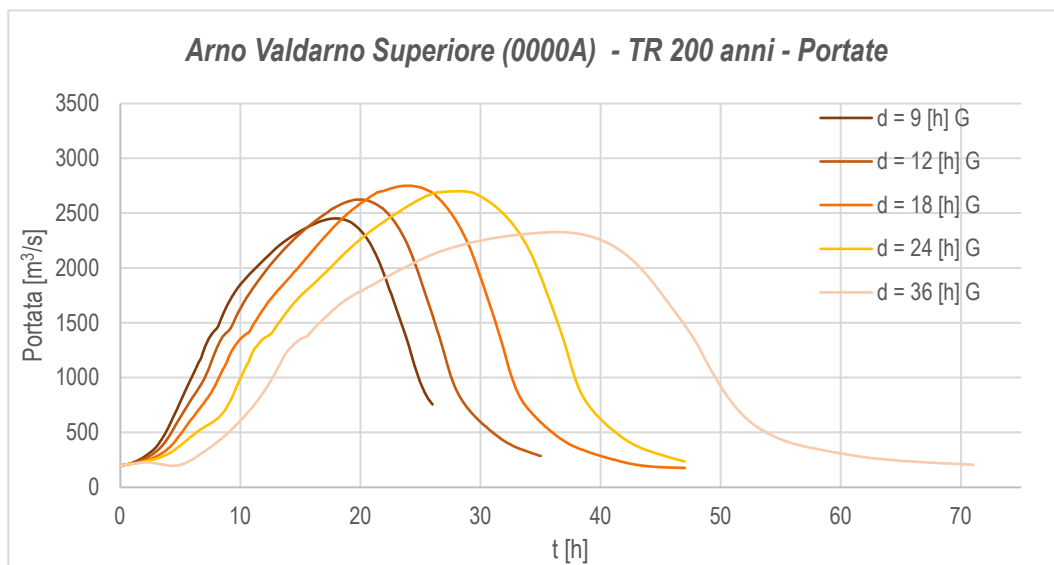
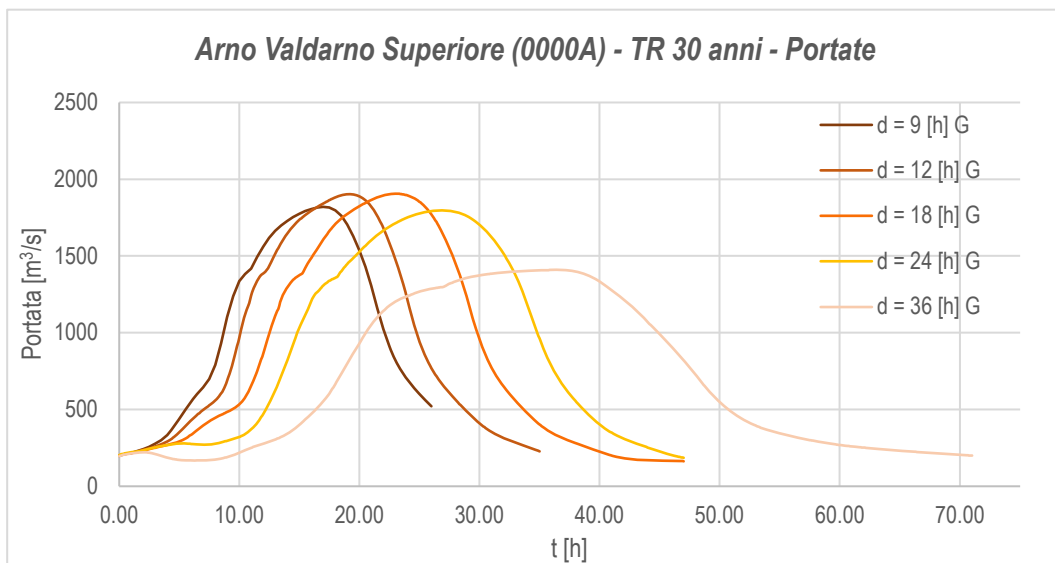
Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
8151	BAC29-INTERBACINO	30	9.0	G	92.2	0.713	65.7	1.73	47.22
			12.0	G	99.8	0.739	73.7	1.40	51.65
			18.0	G	111.6	0.774	86.3	1.02	57.23
			24.0	G	120.8	0.797	96.3	0.79	59.49
			36.0	G	135.1	0.829	112.0	0.54	61.12
		200	9.0	G	135.7	0.713	96.8	2.71	78.98
			12.0	G	148.0	0.739	109.3	2.24	87.97
			18.0	G	167.3	0.774	129.4	1.70	101.30
			24.0	G	182.4	0.797	145.5	1.38	110.36
			36.0	G	206.2	0.829	170.9	1.00	120.82
8152	RAGNAIA	30	1.0	S	50.3	0.999	50.2	18.67	64.63
			3.0	S	68.1	0.999	68.0	9.56	89.33
			6.0	S	82.4	0.999	82.4	5.58	106.59
			9.0	G	92.2	0.713	65.7	2.73	74.50
			12.0	G	99.8	0.739	73.7	2.21	81.51
			18.0	G	111.6	0.774	86.3	1.60	89.82
			24.0	G	120.8	0.797	96.3	1.25	94.15
			36.0	G	135.1	0.829	112.0	0.85	96.21
		200	1.0	S	70.0	0.999	69.9	26.80	96.14
			3.0	S	97.4	0.999	97.4	13.92	136.42
			6.0	S	120.1	0.999	120.0	8.38	167.06
			9.0	G	135.7	0.713	96.8	4.27	124.48
			12.0	G	148.0	0.739	109.3	3.54	138.99
			18.0	G	167.3	0.774	129.4	2.67	159.17
8200	SIECI	30	1.0	S	49.3	0.996	49.1	86.62	1018.90
			3.0	S	68.0	0.997	67.8	123.98	1602.66
			6.0	S	83.3	0.997	83.1	111.17	1906.81
			9.0	G	93.7	0.708	66.4	57.67	1164.68
			12.0	G	102.0	0.733	74.8	44.51	1145.83
			18.0	G	114.8	0.768	88.2	26.80	939.49
			24.0	G	124.9	0.792	99.0	16.18	599.97
			36.0	G	140.6	0.824	115.9	0.00	0.00
		200	1.0	S	68.5	0.996	68.3	150.83	1782.17
			3.0	S	97.2	0.997	96.9	210.81	2819.30
			6.0	S	121.2	0.997	120.8	186.79	3532.17
			9.0	G	137.8	0.708	97.6	106.64	2699.63
			12.0	G	151.0	0.733	110.8	85.88	2916.17
			18.0	G	171.8	0.768	132.1	60.09	3095.51
24.0	G	188.3	0.792	149.2	44.80	3072.44			
36.0	G	214.3	0.824	176.6	26.89	2686.50			

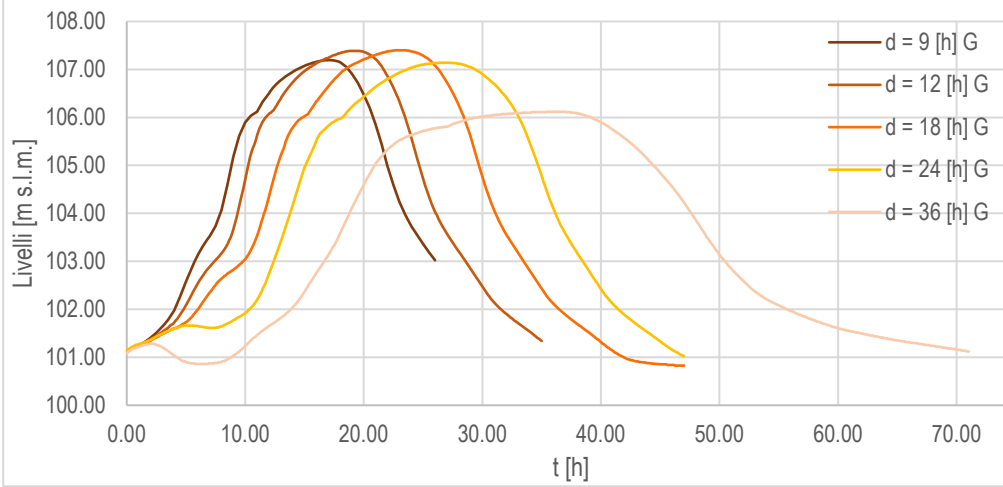
Parametri pluviometrici:

Idrogrammi di piena:

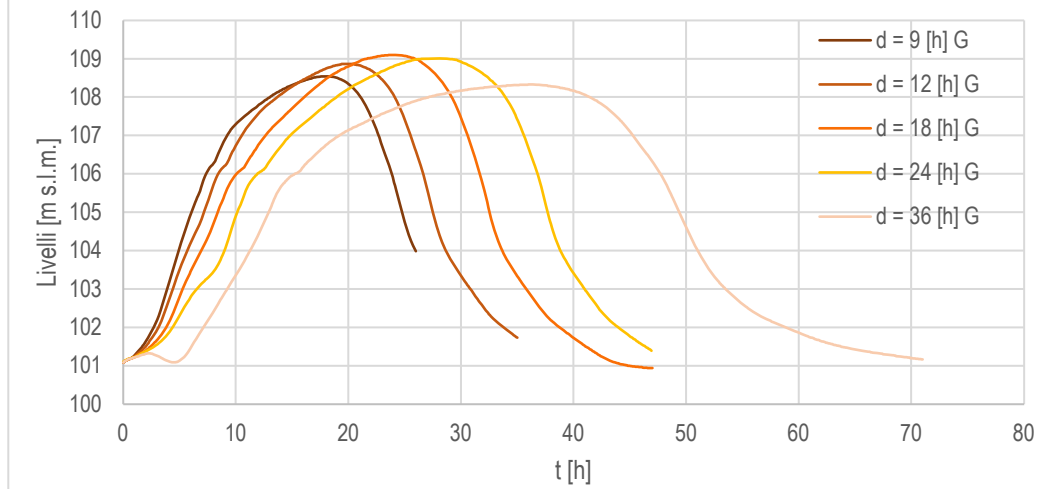
Codice	Nome	TR [anni]	d [h]	Scenario	h_{iorda} [mm]	Kr [-]	h_{ragg} [mm]	Q_{max} [m ³ /s]	Vol [1000 m ³]
8250	BAC30	30	9.0	G	91.4	0.708	64.7	1.98	49.43
			12.0	G	99.0	0.733	72.6	1.54	51.78
			18.0	G	110.9	0.768	85.2	1.02	51.44
			24.0	G	120.2	0.792	95.2	0.72	47.59
			36.0	G	134.6	0.824	111.0	0.38	34.47
		200	9.0	G	134.6	0.708	95.2	3.31	92.48
			12.0	G	146.9	0.733	107.7	2.68	101.05
			18.0	G	166.2	0.768	127.7	1.95	111.58
			24.0	G	181.5	0.792	143.8	1.51	115.81
			36.0	G	205.4	0.824	169.3	1.01	116.20
8300	FALLE	30	1.0	S	49.4	0.998	49.3	42.83	224.55
			3.0	S	67.3	0.998	67.2	37.97	310.67
			6.0	S	81.8	0.999	81.7	21.78	342.47
			9.0	G	91.7	0.707	64.8	8.24	138.69
			12.0	G	99.5	0.733	72.9	5.72	118.74
			18.0	G	111.5	0.768	85.6	2.79	52.27
			24.0	G	120.9	0.792	95.7	0.00	0.00
			36.0	G	135.6	0.824	111.7	0.00	0.00
		200	1.0	S	68.7	0.998	68.6	70.00	373.74
			3.0	S	96.3	0.998	96.2	59.17	536.44
			6.0	S	119.2	0.999	119.1	35.32	634.76
			9.0	G	135.0	0.707	95.5	15.82	384.25
			12.0	G	147.5	0.733	108.1	12.26	401.14
			18.0	G	167.1	0.768	128.3	8.07	394.61
24.0	G	182.6	0.792	144.5	5.61	356.32			
	36.0	G	206.8	0.824	170.4	2.74	226.49		



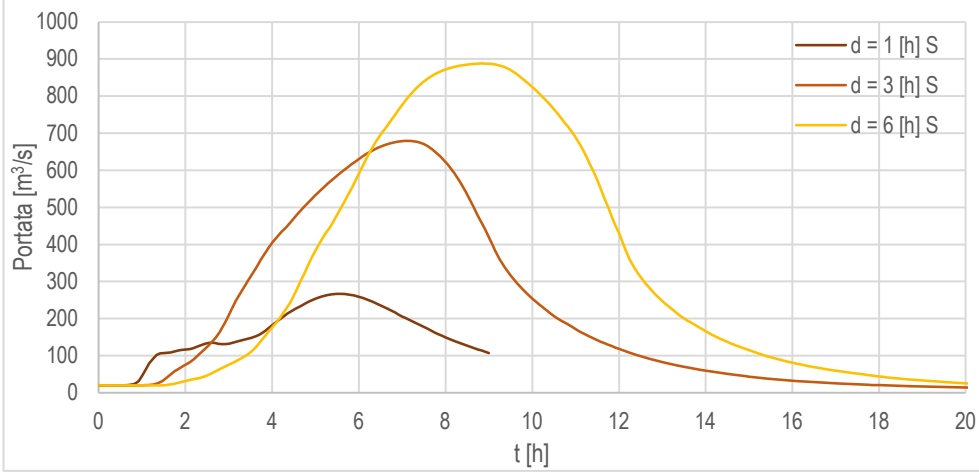
Arno Valdarno Superiore (0000A) - TR 30 anni - Livelli



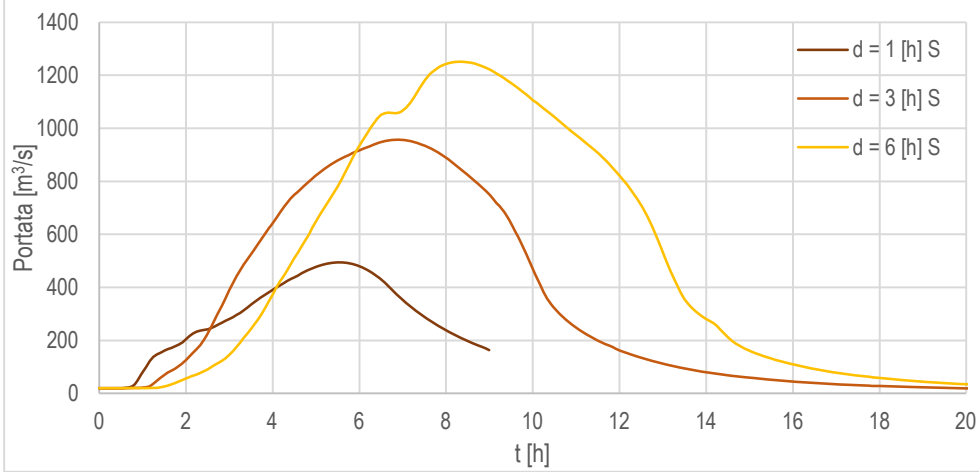
Arno Valdarno Superiore (0000A) - TR 200 anni - Livelli

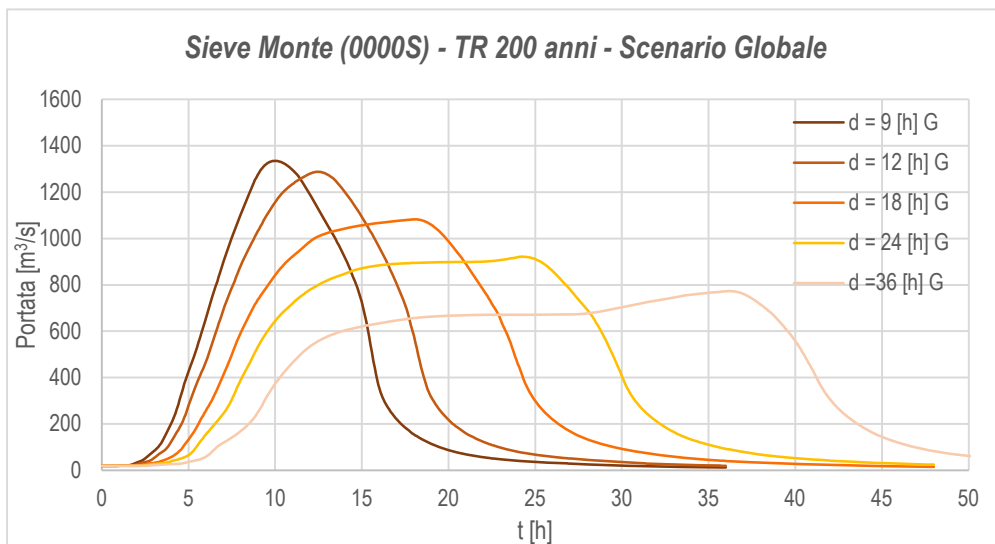
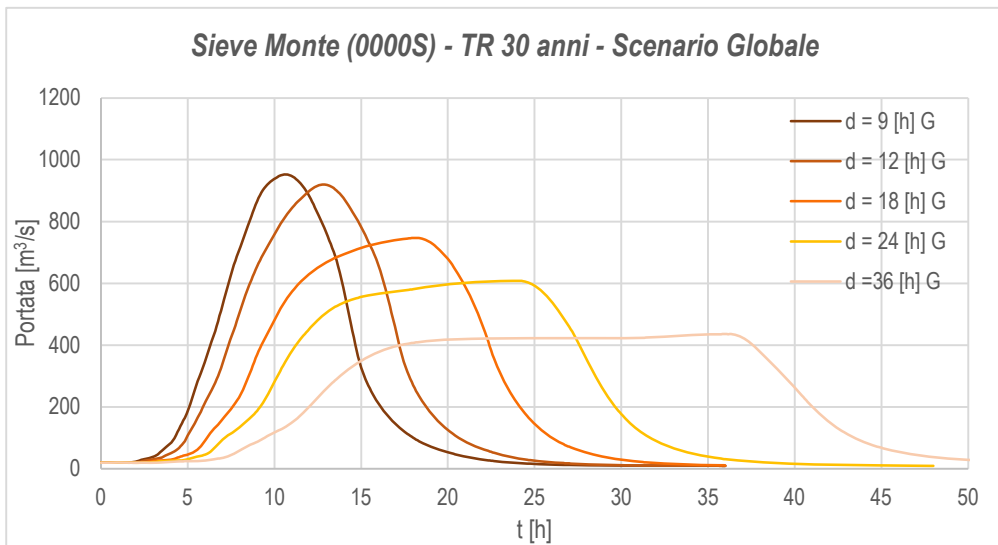


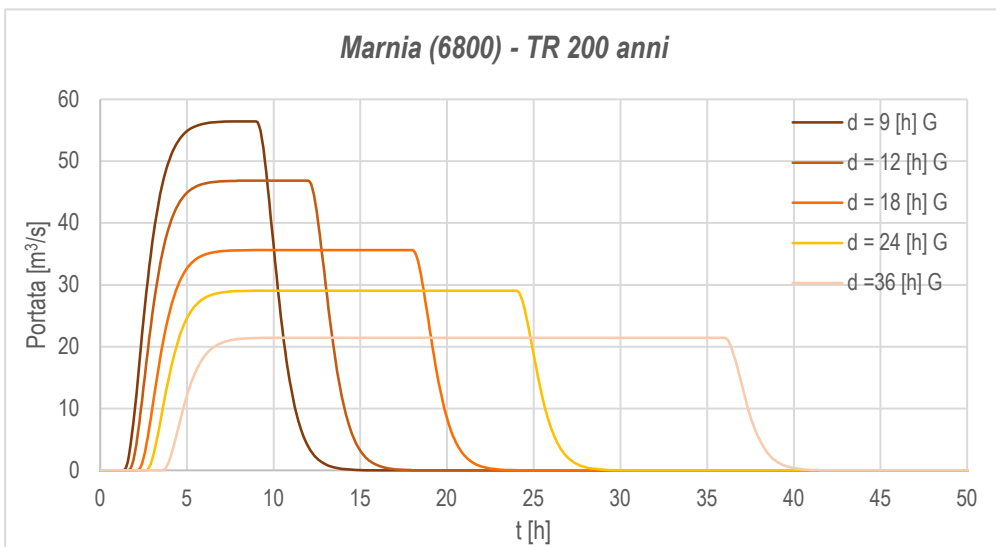
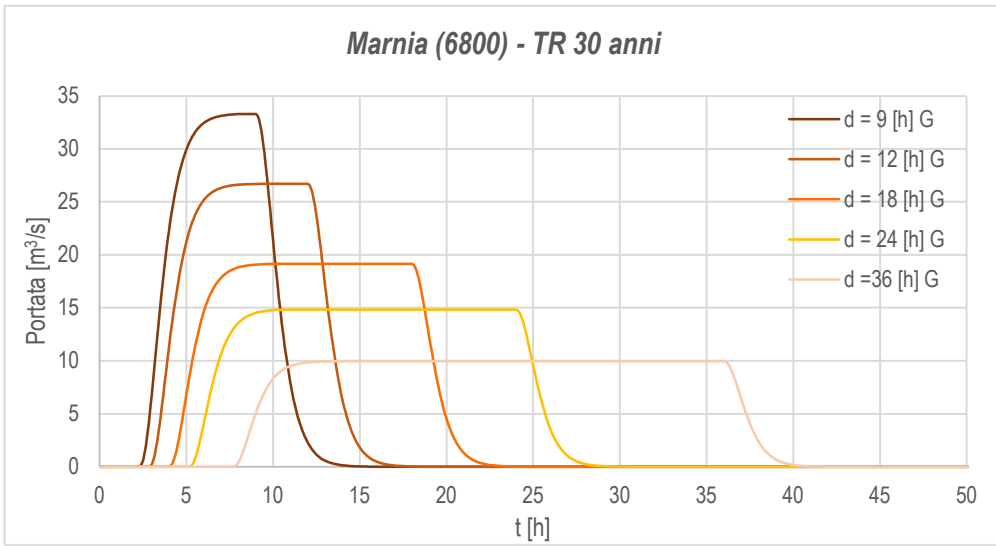
Sieve Monte (0000S) - TR 30 anni - Scenario Singolo Bacino

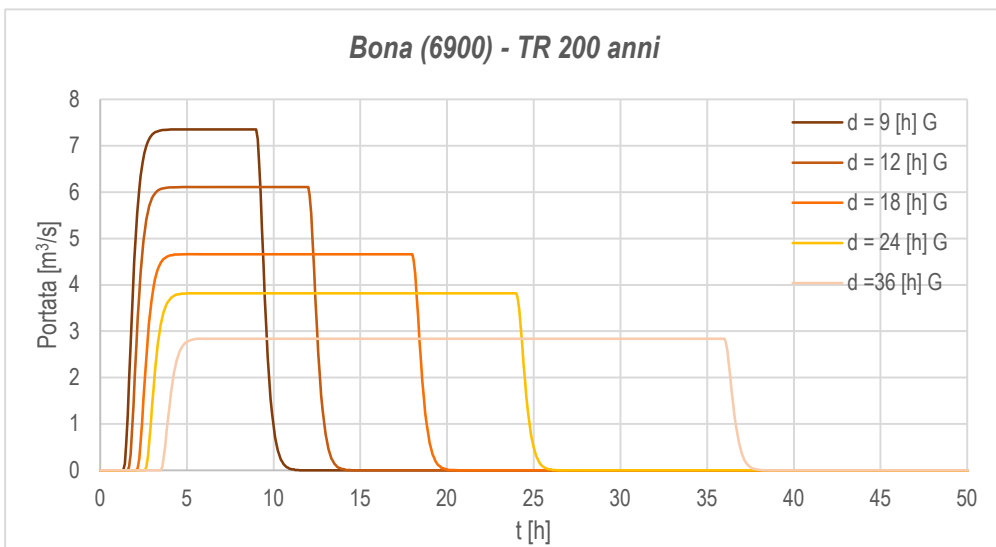
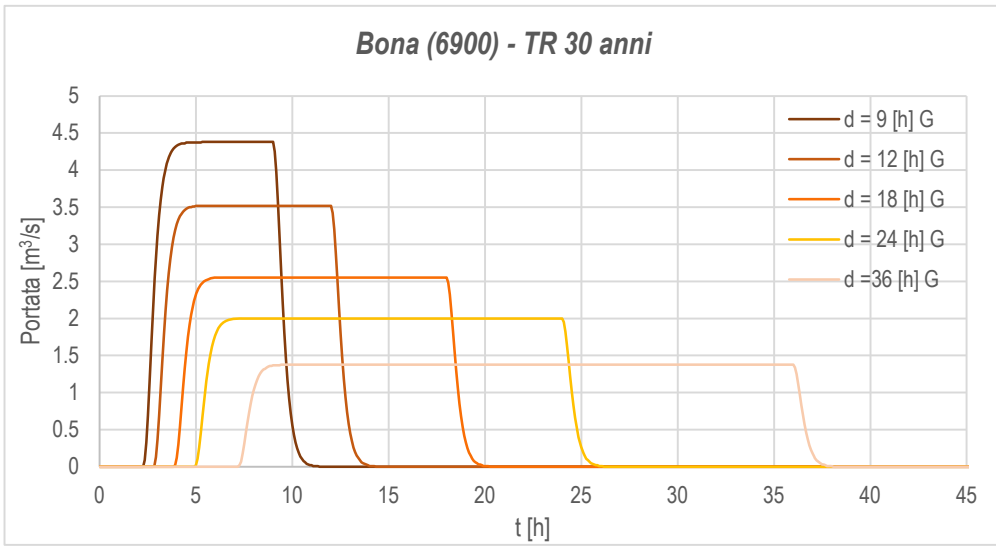


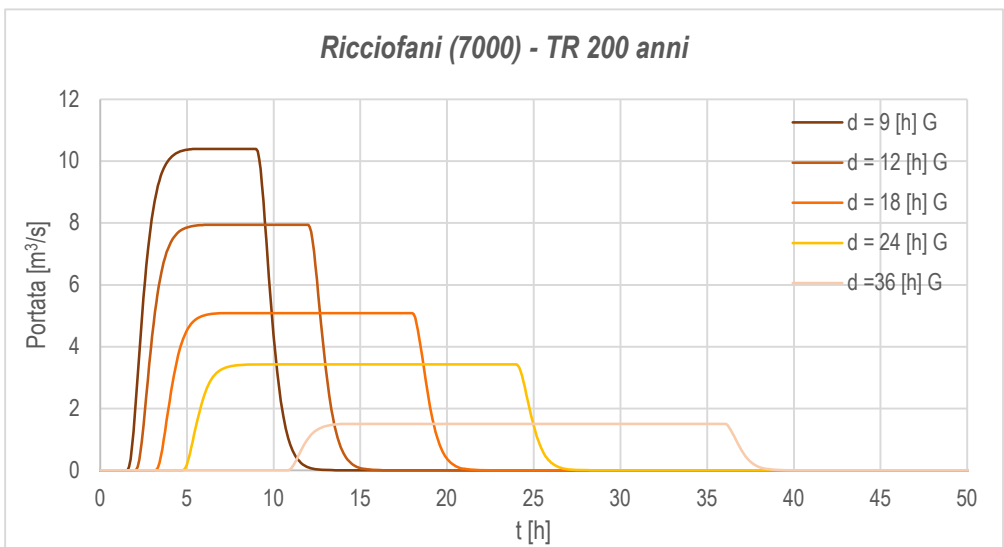
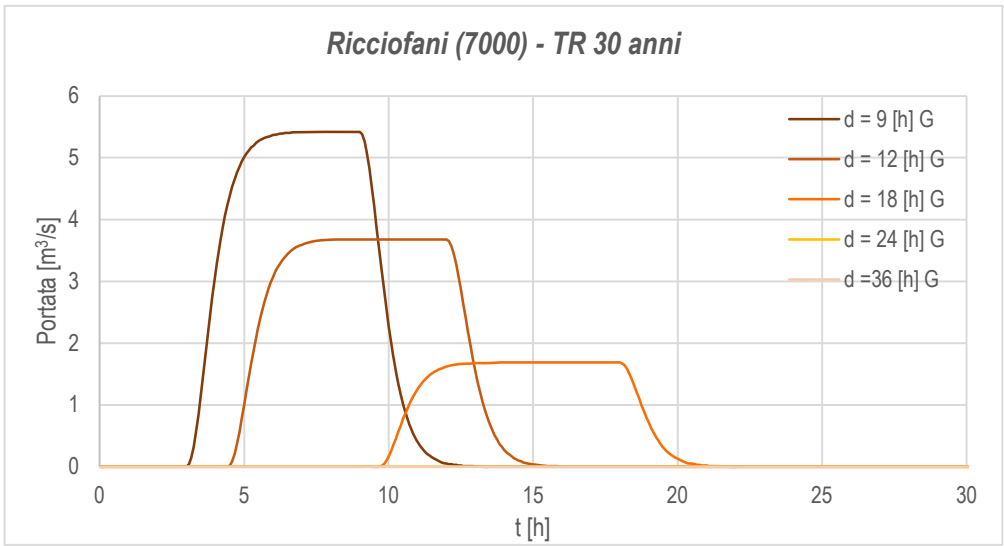
Sieve Monte (0000S) - TR 200 anni - Scenario Singolo Bacino

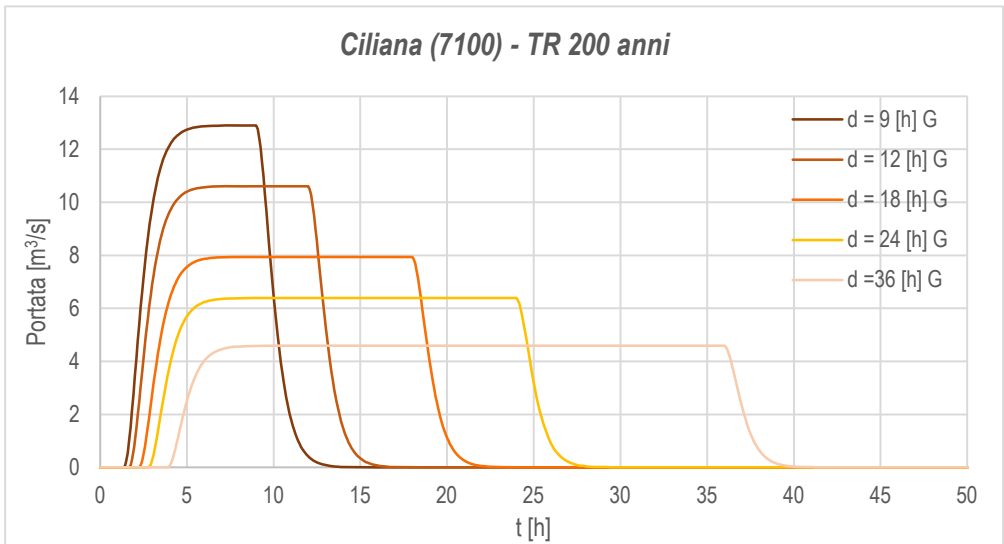
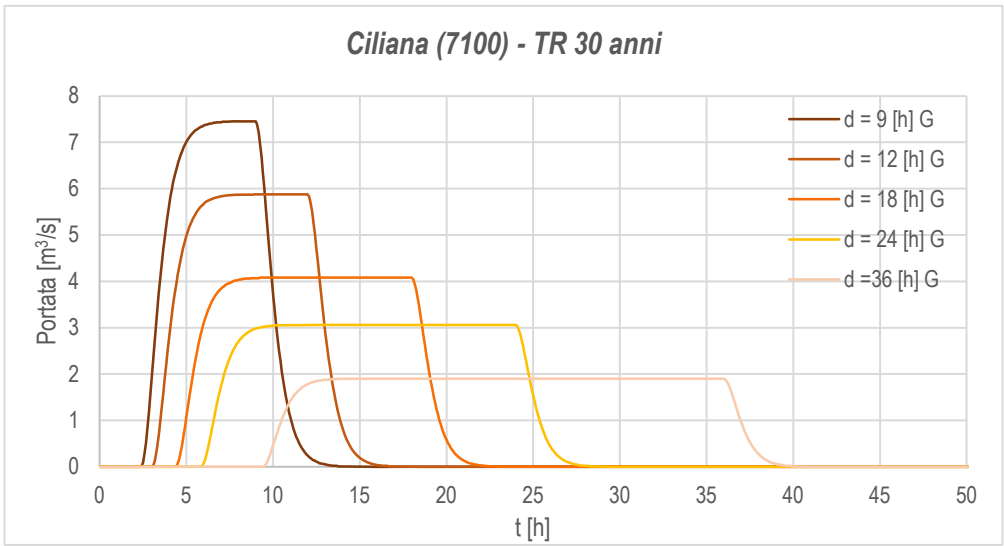


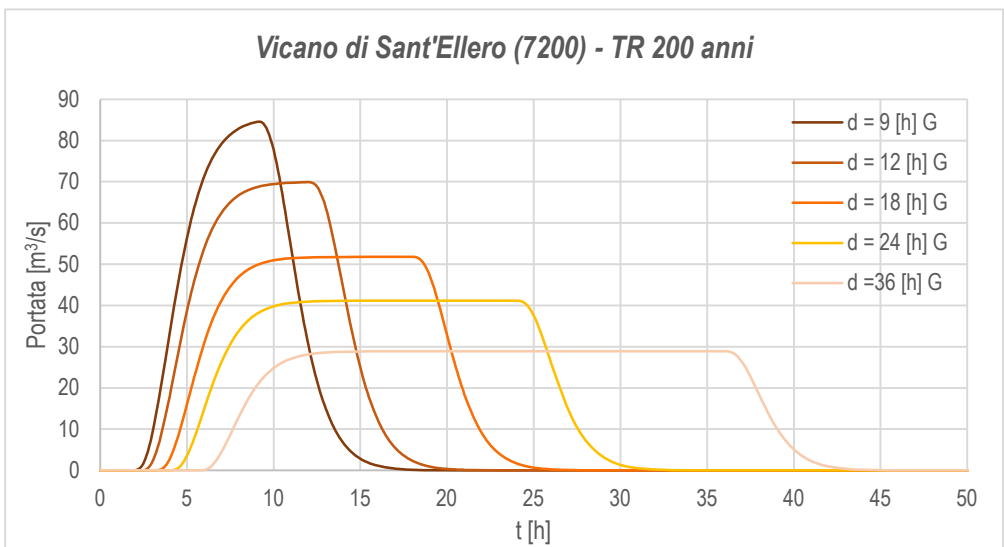
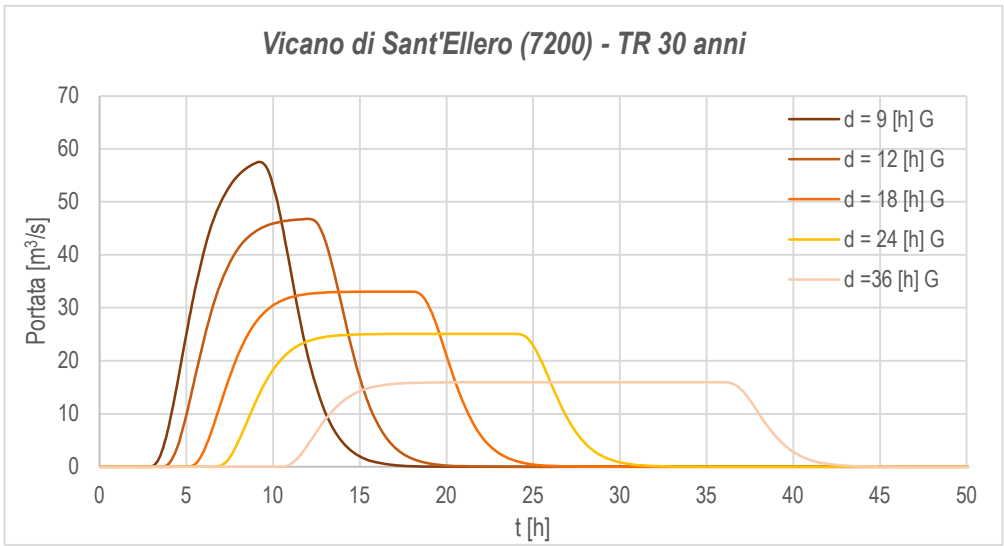


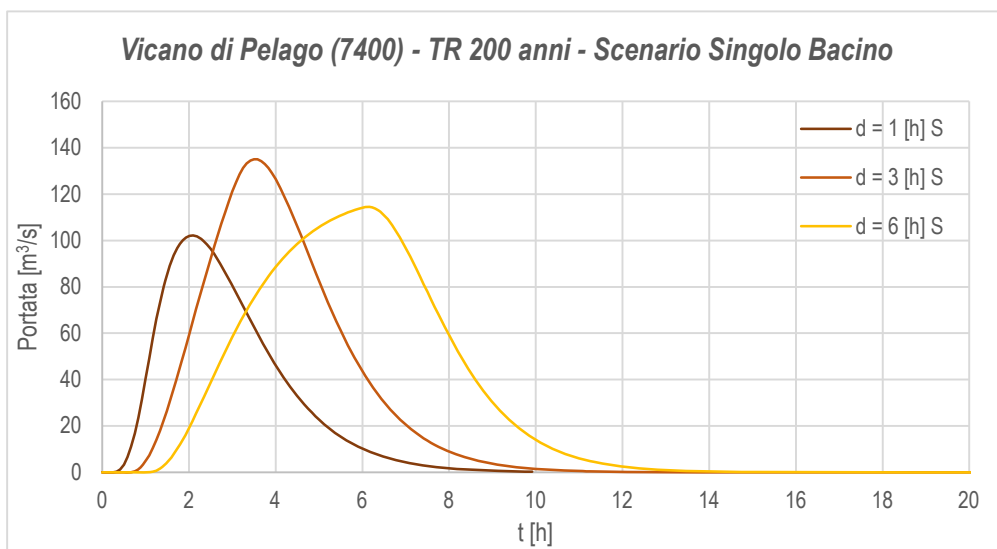
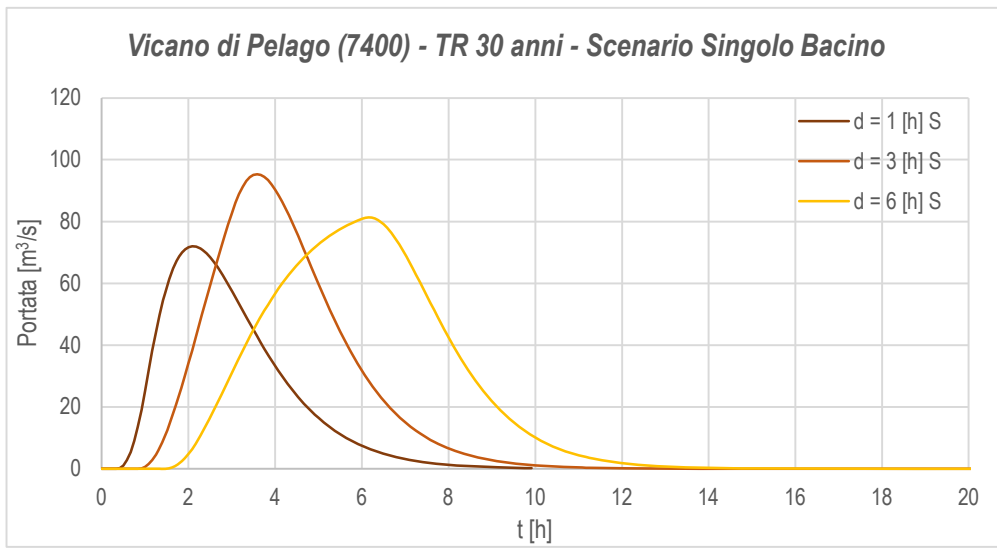




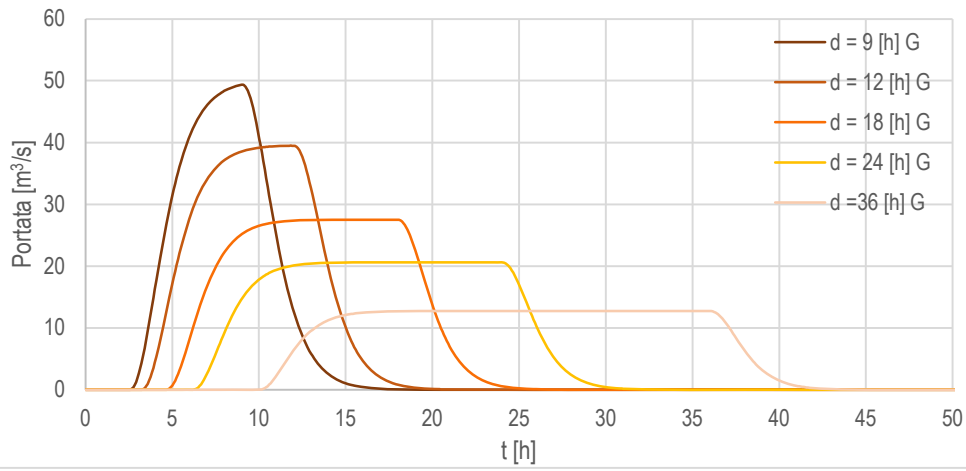




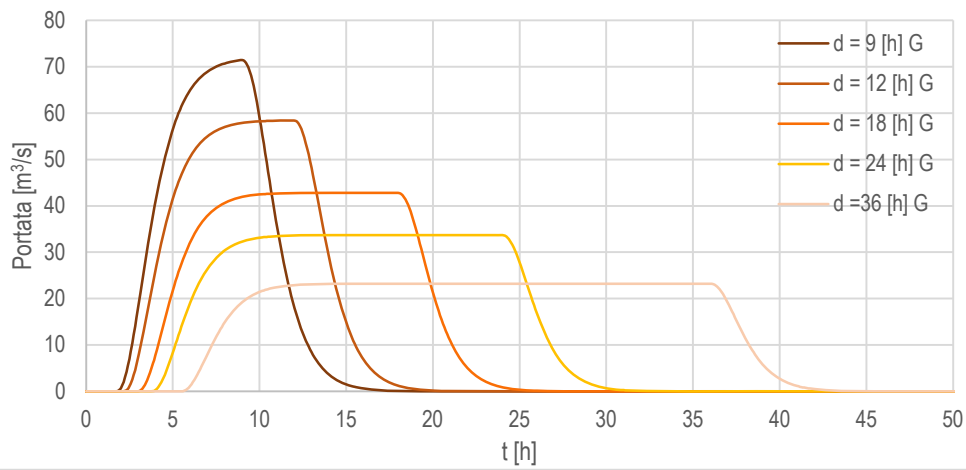


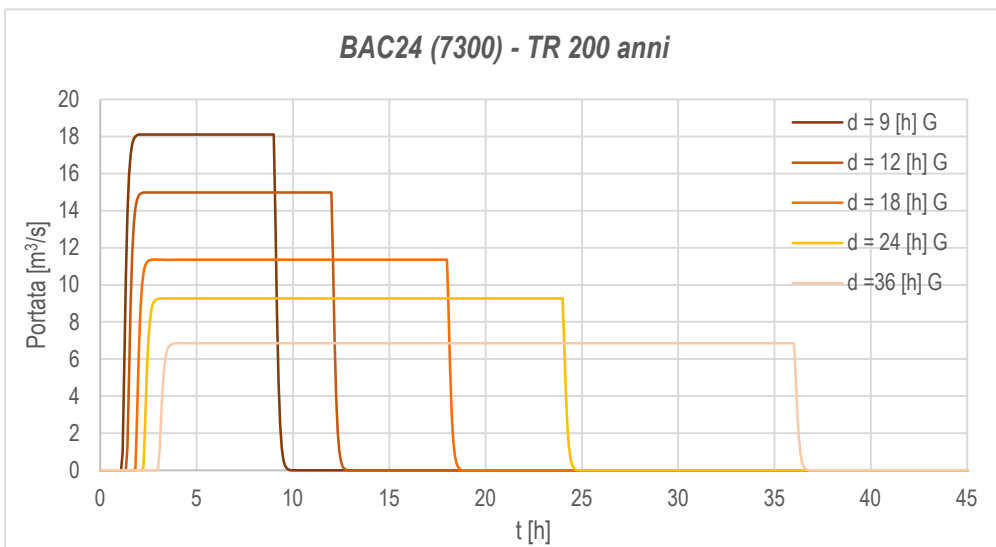
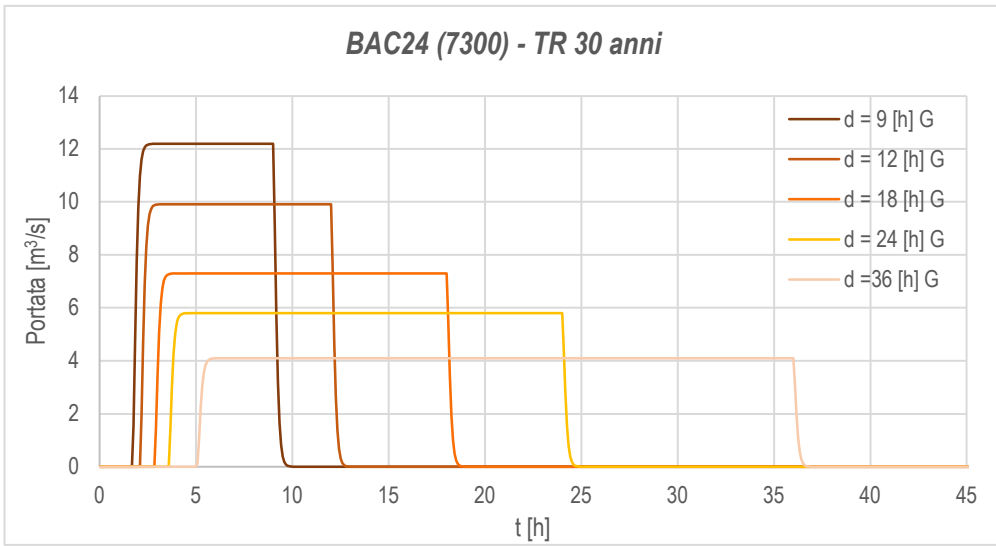


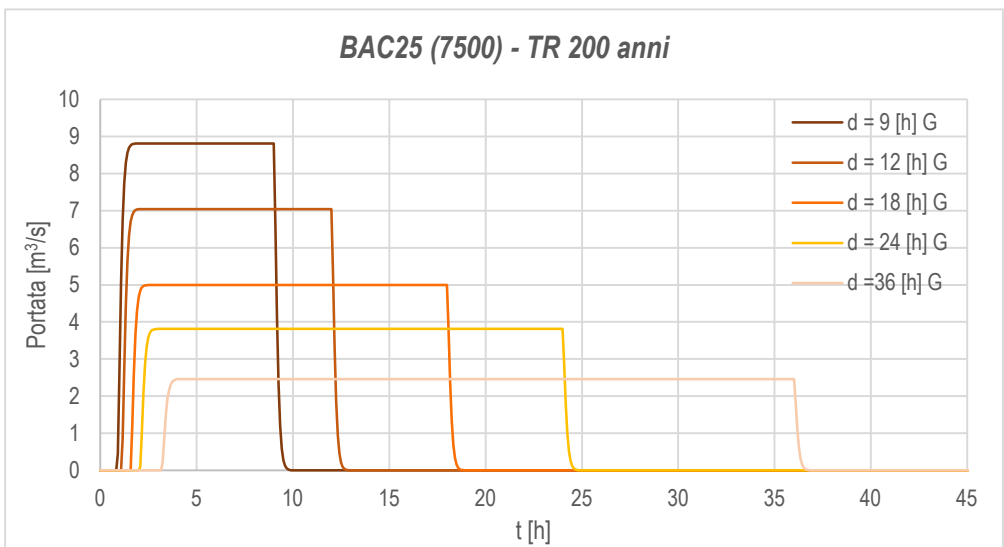
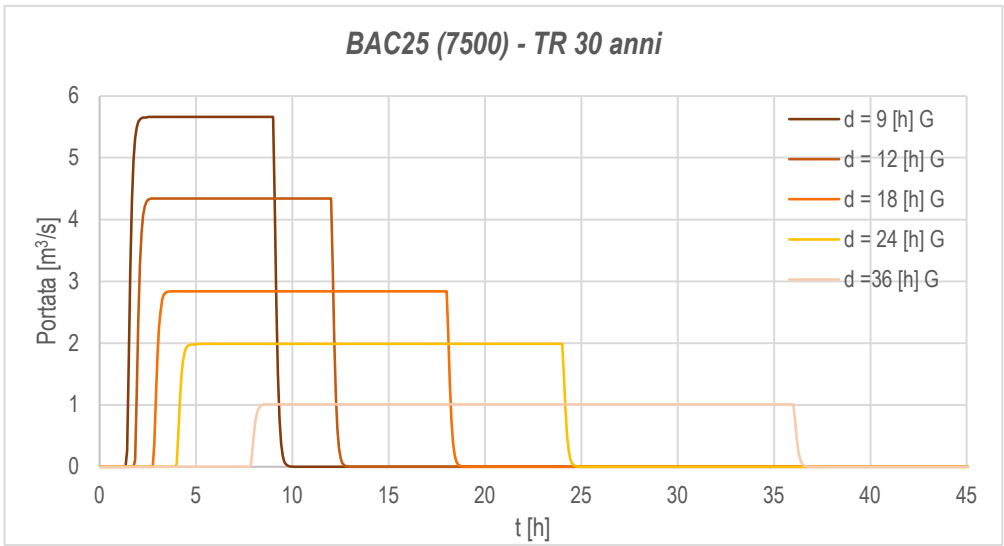
Vicano di Pelago (7400) - TR 30 anni - Scenario Globale

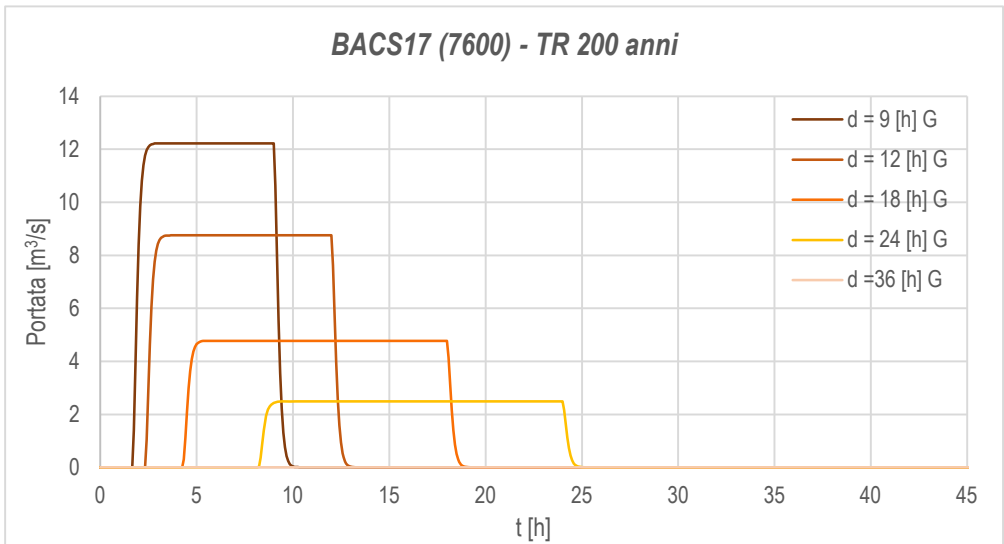
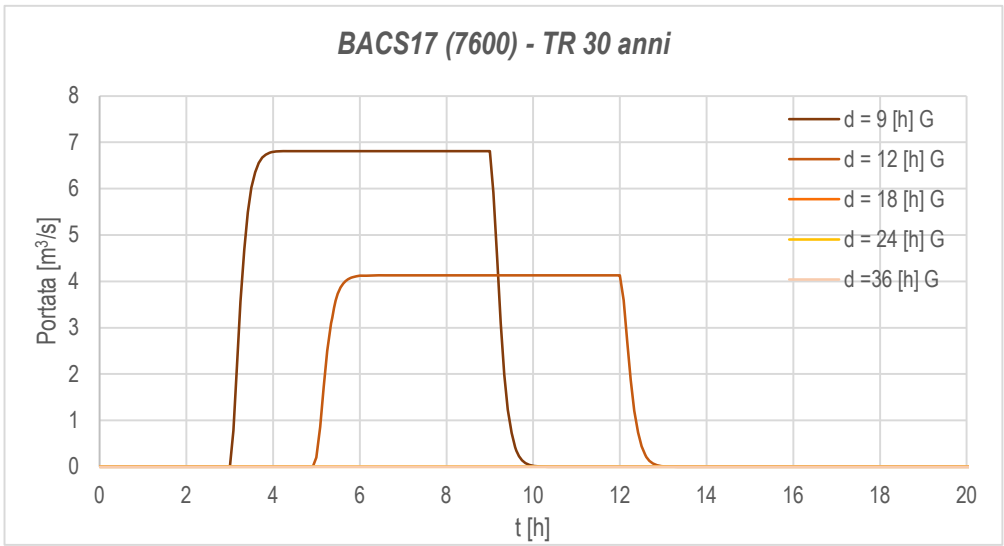


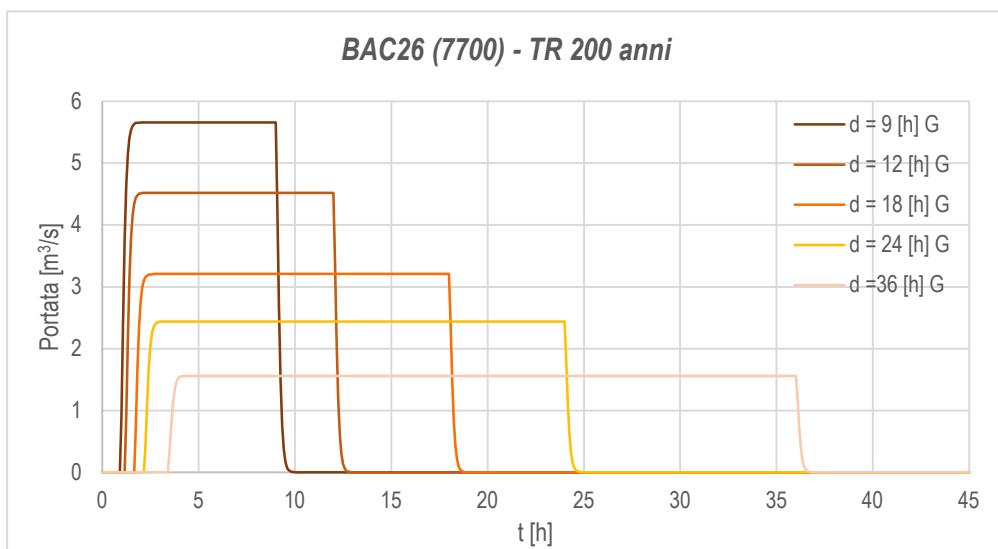
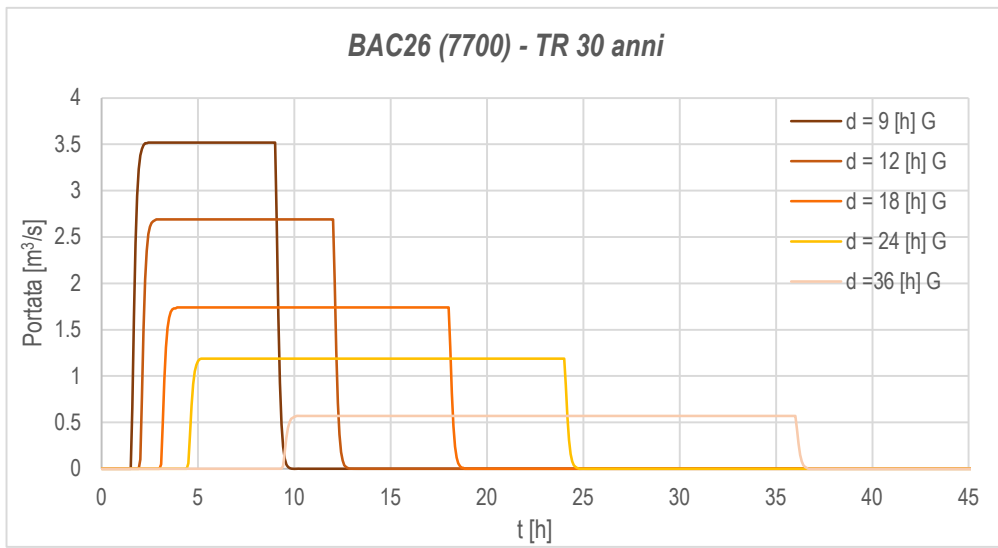
Vicano di Pelago (7400) - TR 200 anni - Scenario Globale

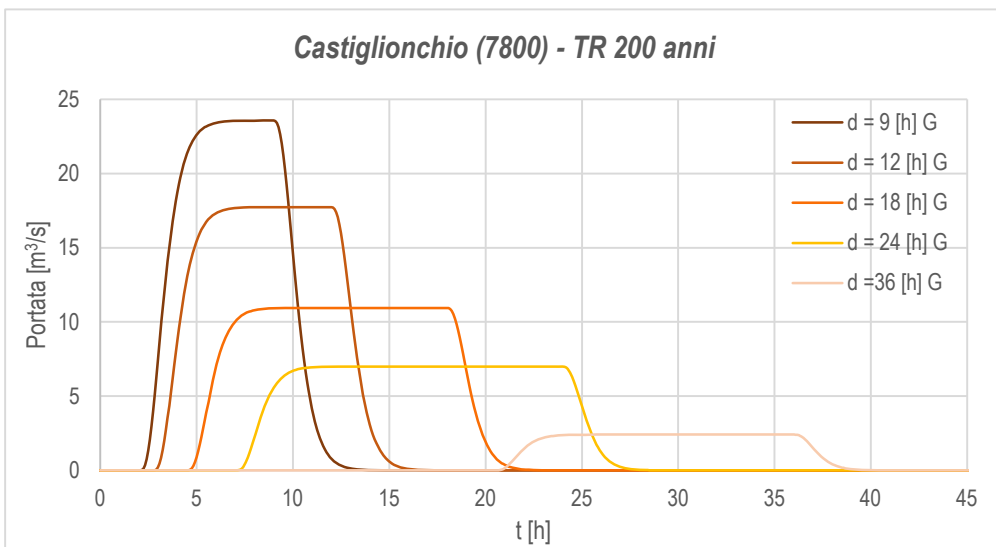
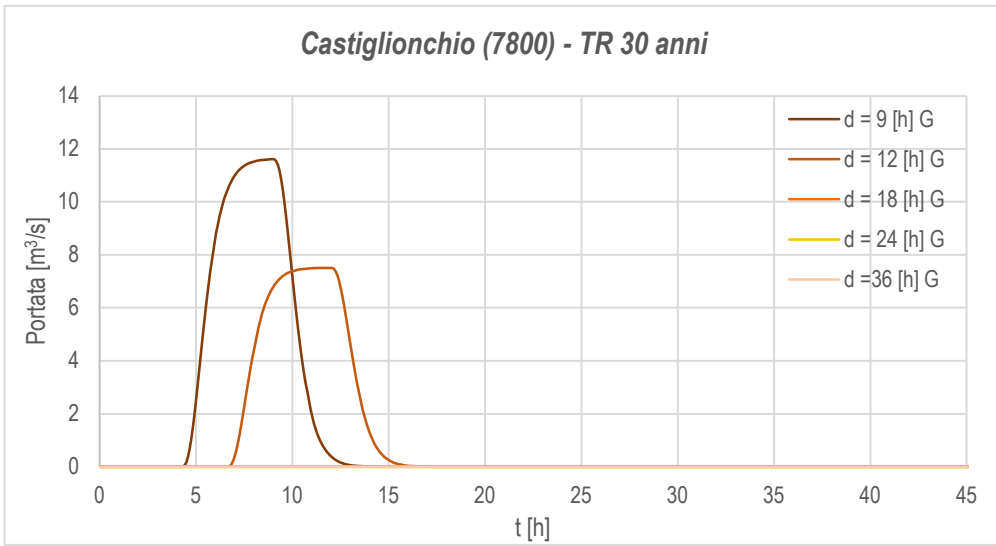


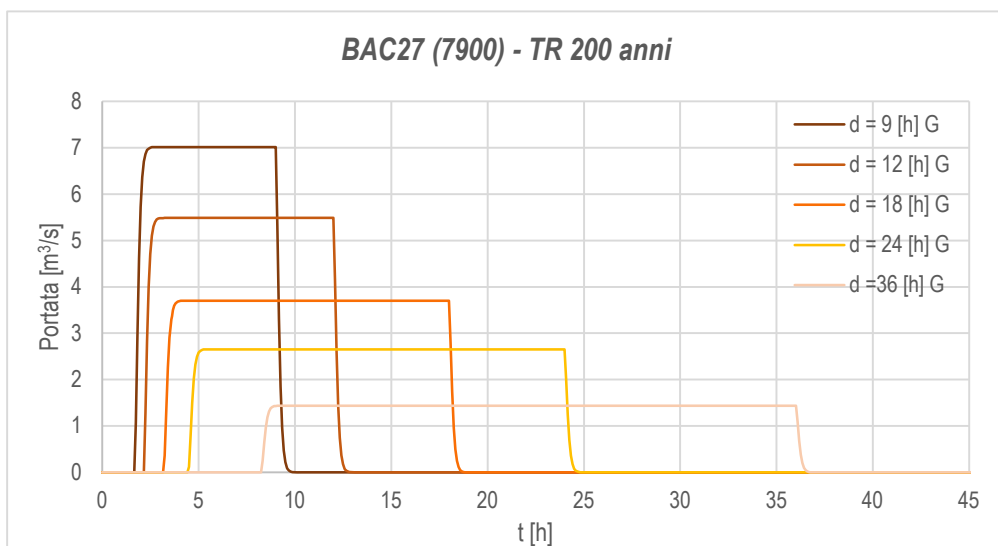
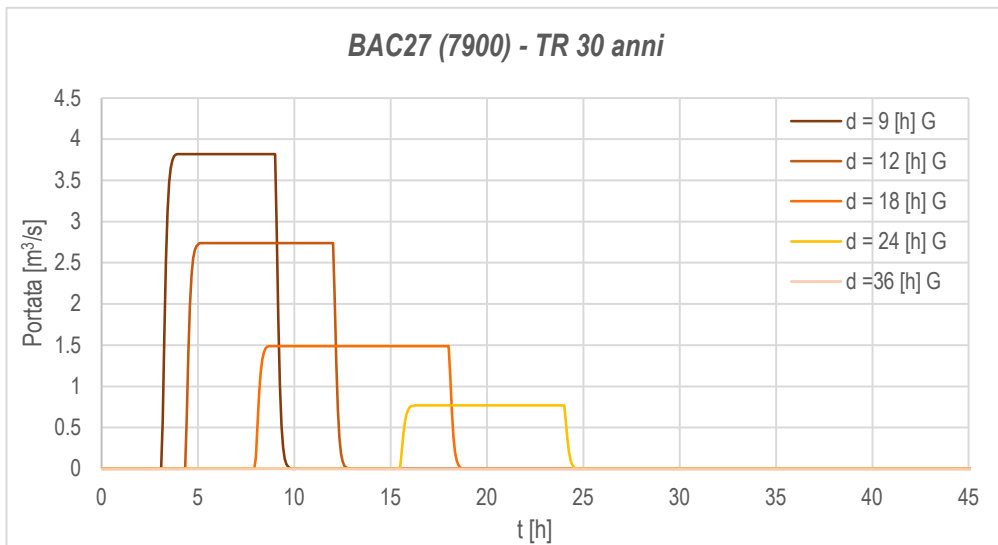




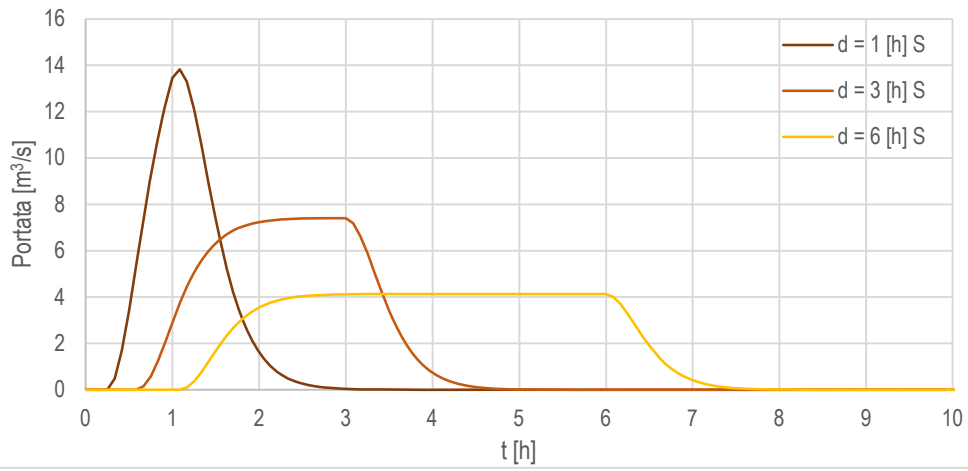




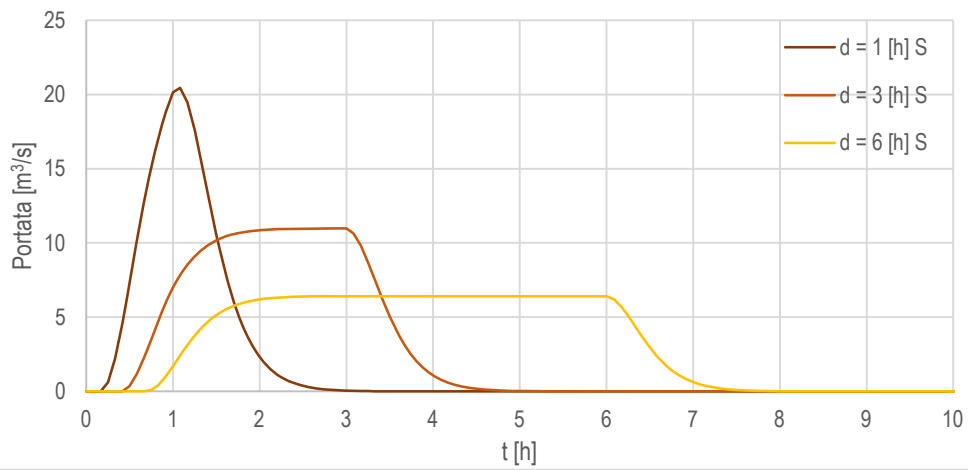




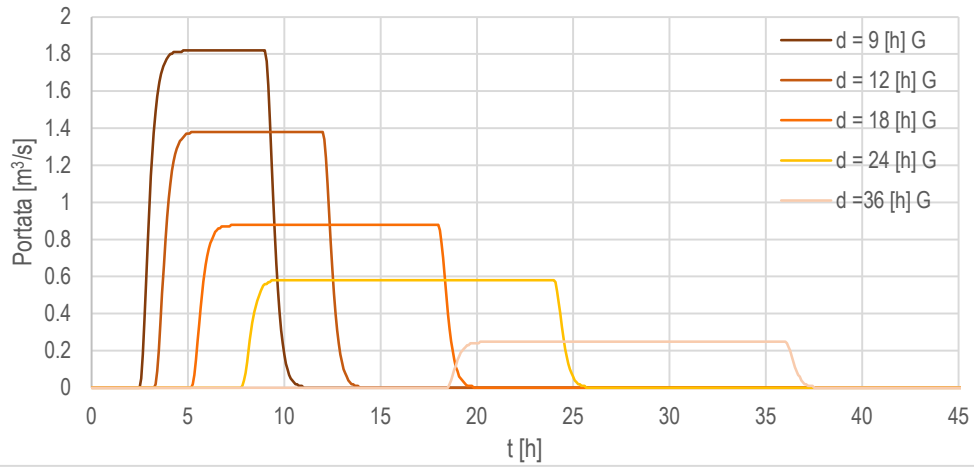
Fogliacce (8001) - TR 30 anni - Scenario Singolo Bacino



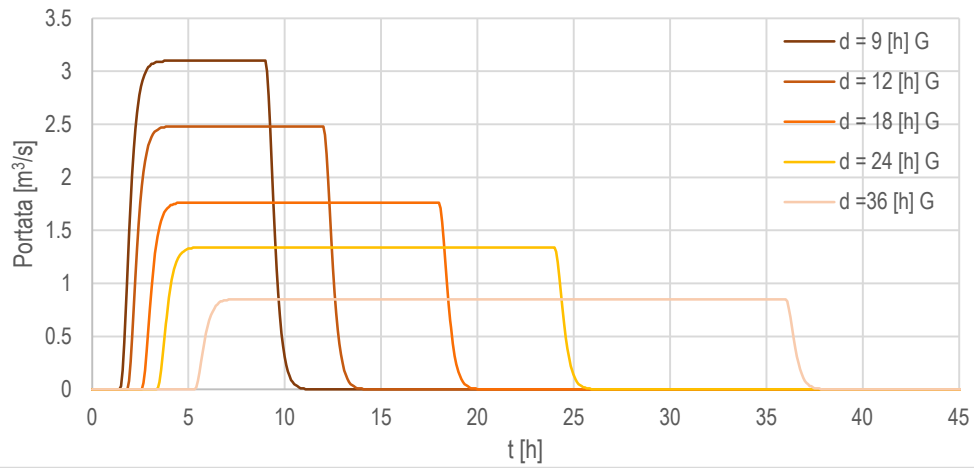
Fogliacce (8001) - TR 200 anni - Scenario Singolo Bacino

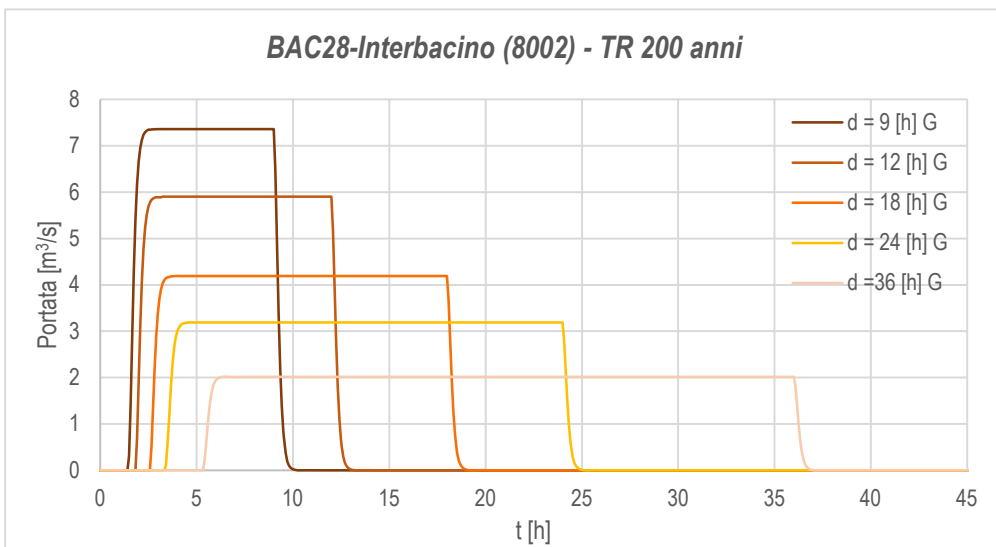
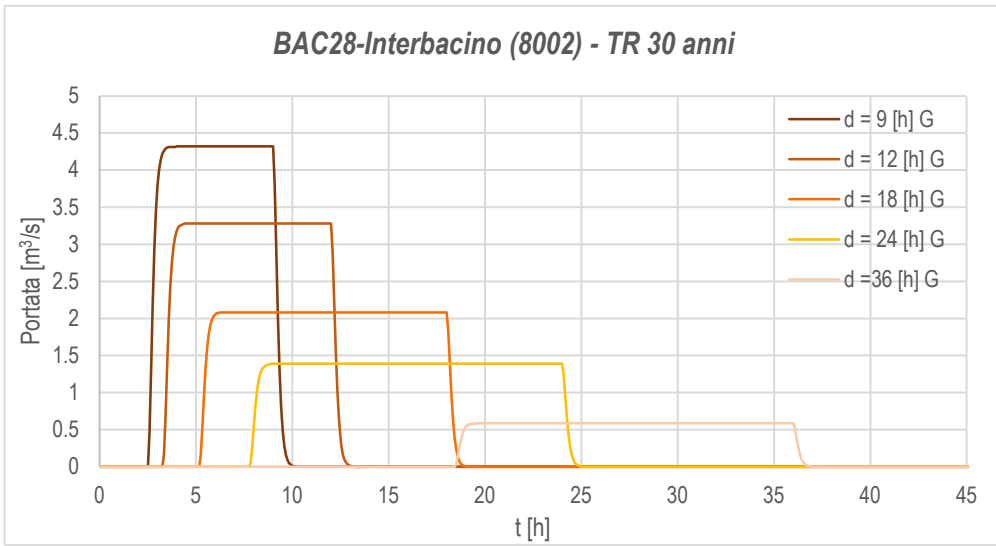


Fogliacce (8001) - TR 30 anni - Scenario Globale

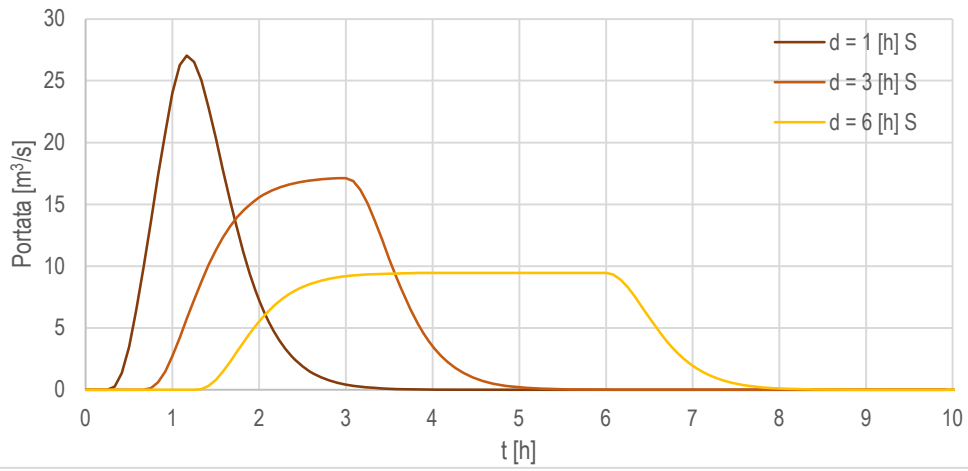


Fogliacce (8001) - TR 200 anni - Scenario Globale

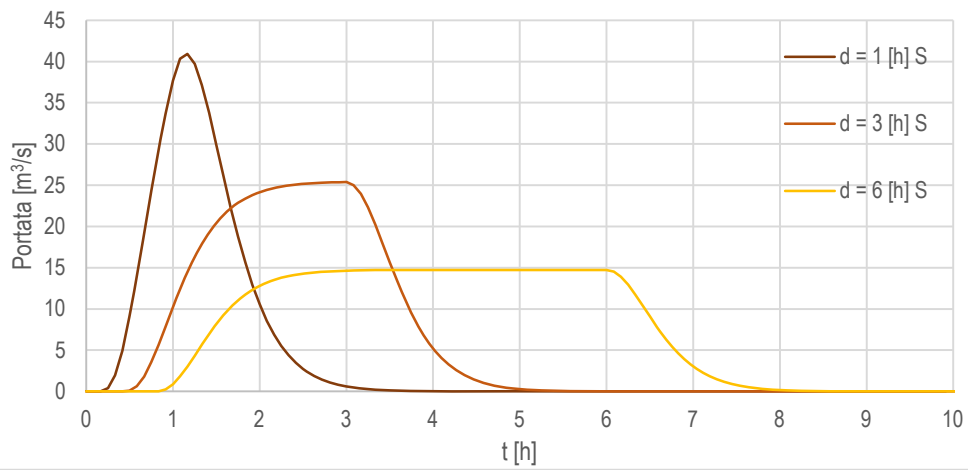




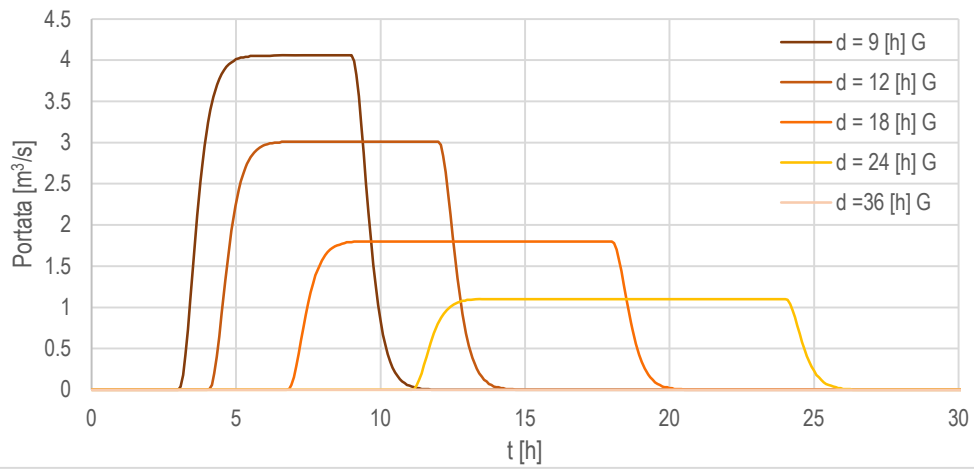
Pelacane (8100) - TR 30 anni - Scenario Singolo Bacino



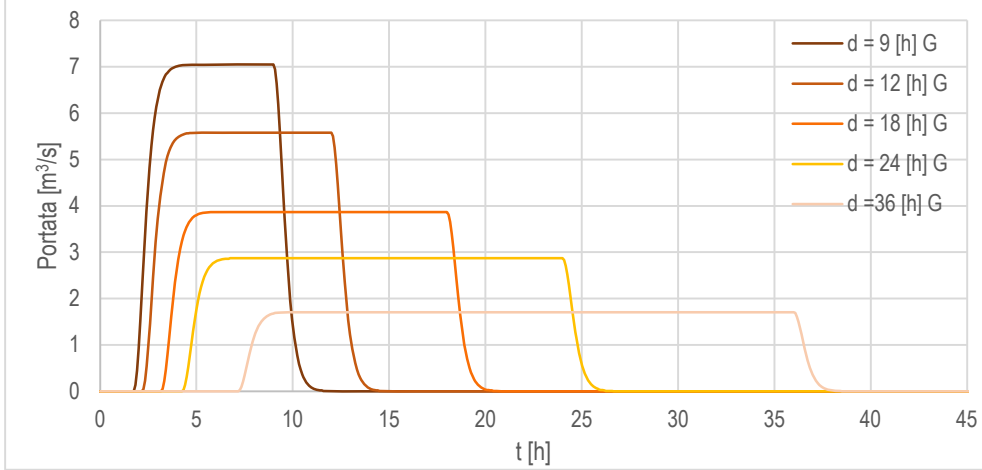
Pelacane (8100) - TR 200 anni - Scenario Singolo Bacino

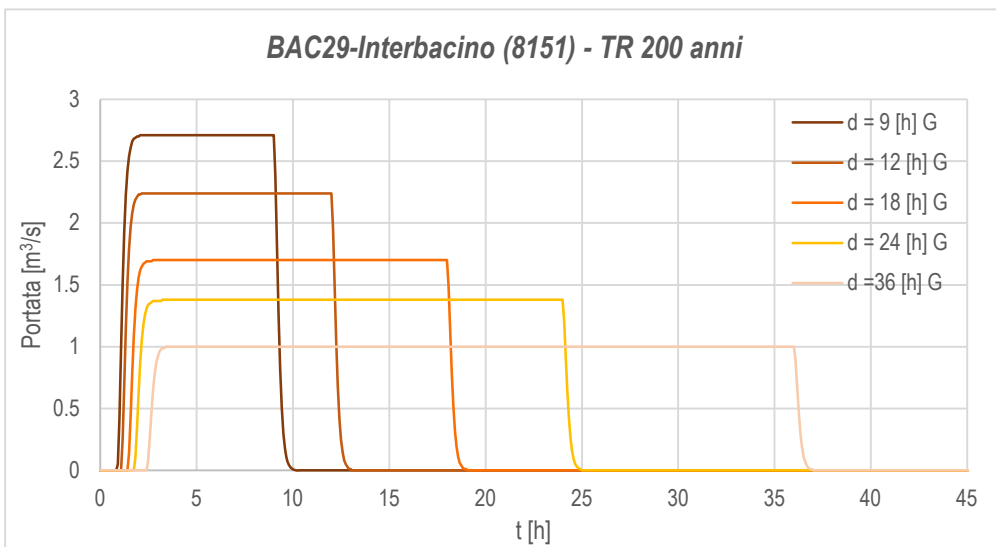
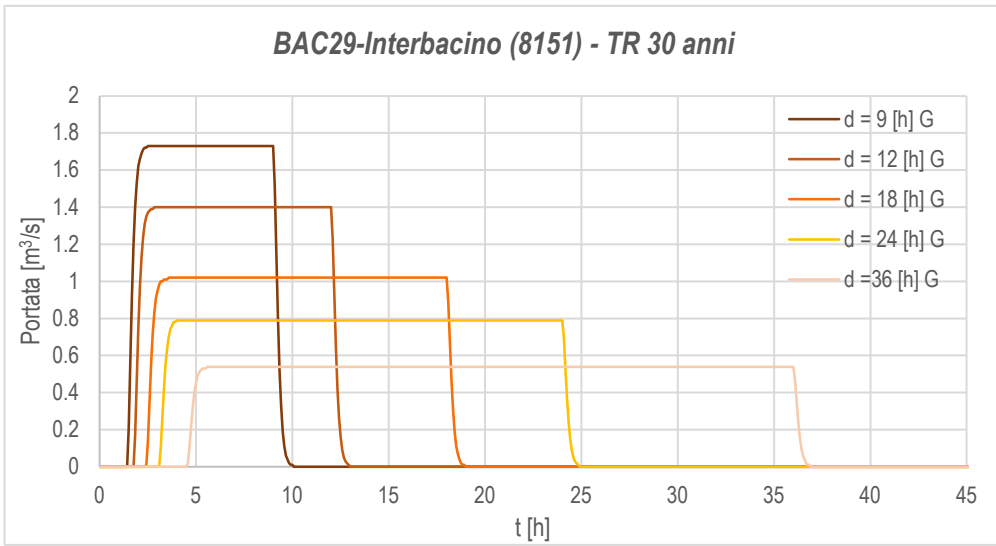


Pelacane (8100) - TR 30 anni - Scenario Globale

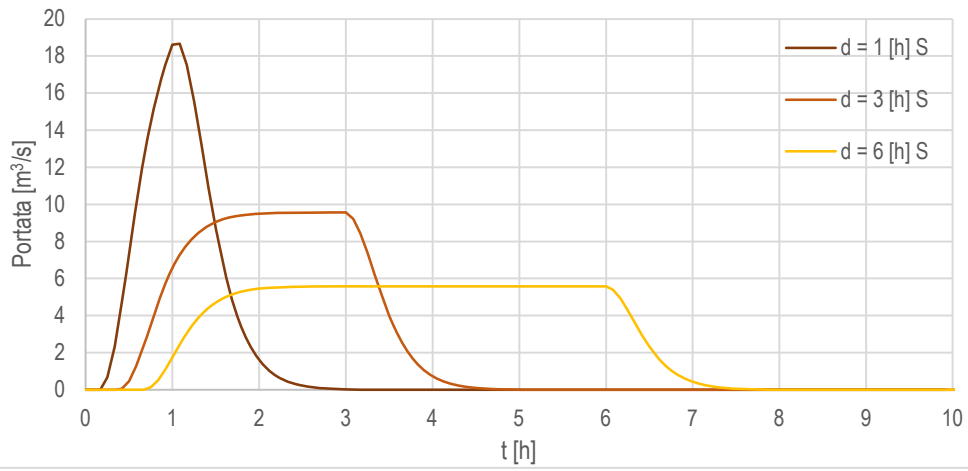


Pelacane (8100) - TR 200 anni - Scenario Globale

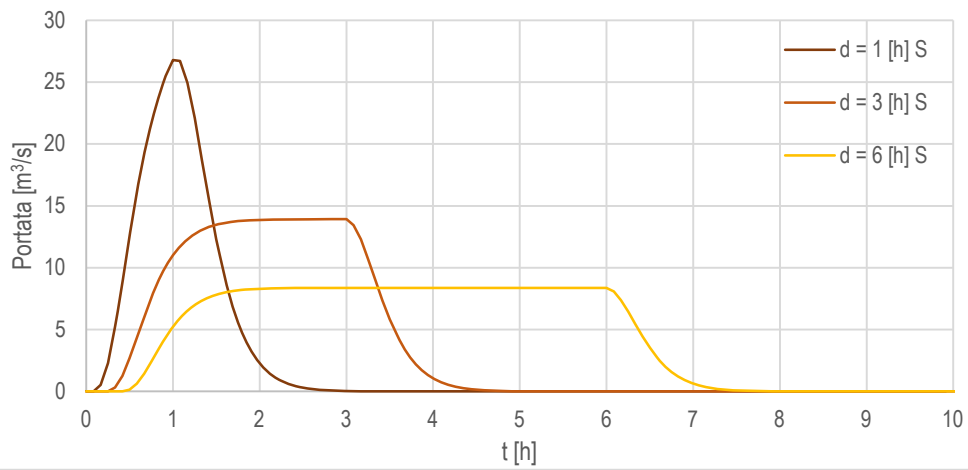




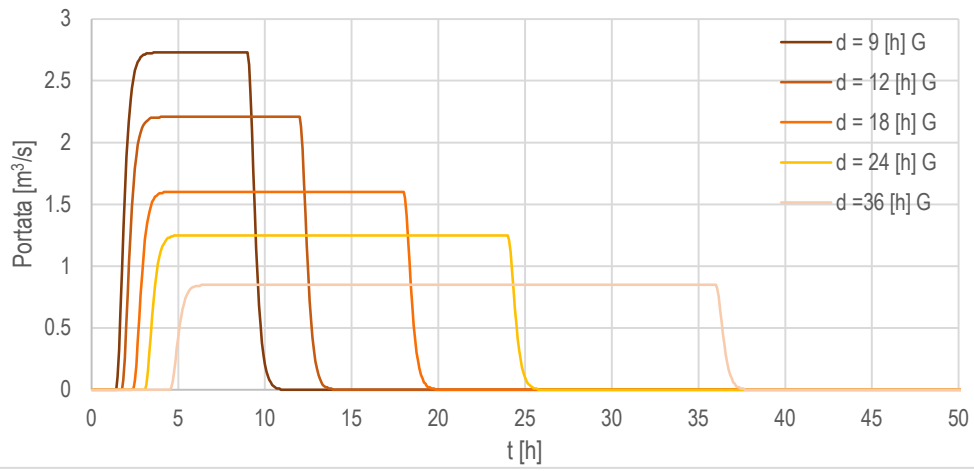
Ragnaia (8152) - TR 30 anni - Scenario Singolo Bacino



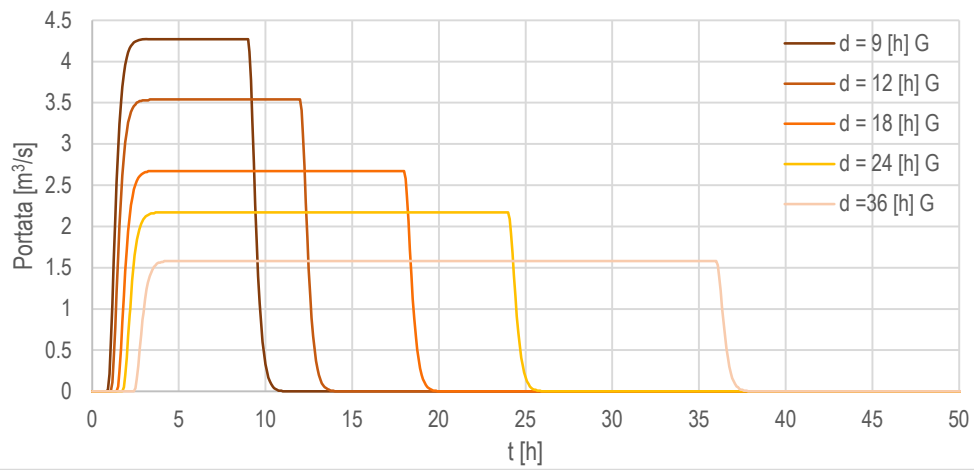
Ragnaia (8152) - TR 200 anni - Scenario Singolo Bacino

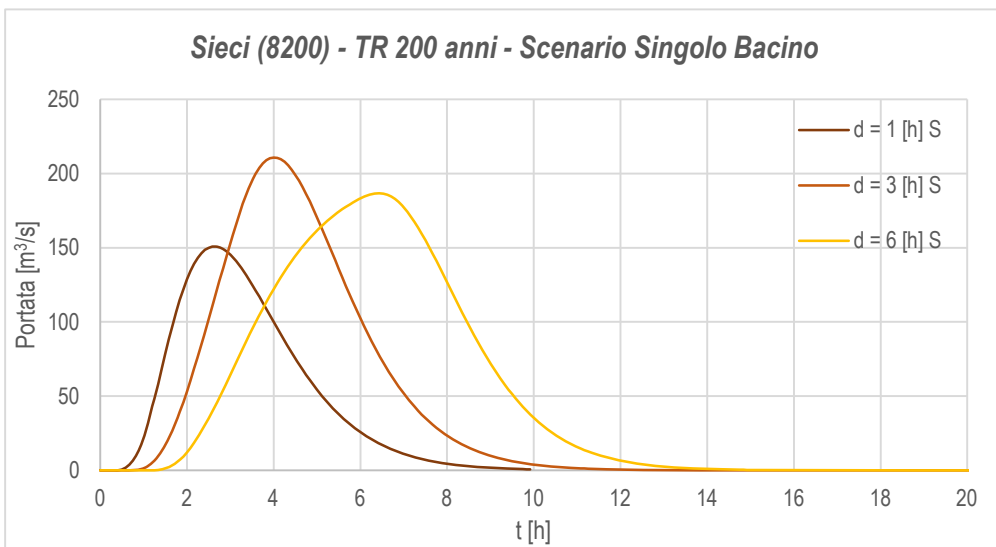
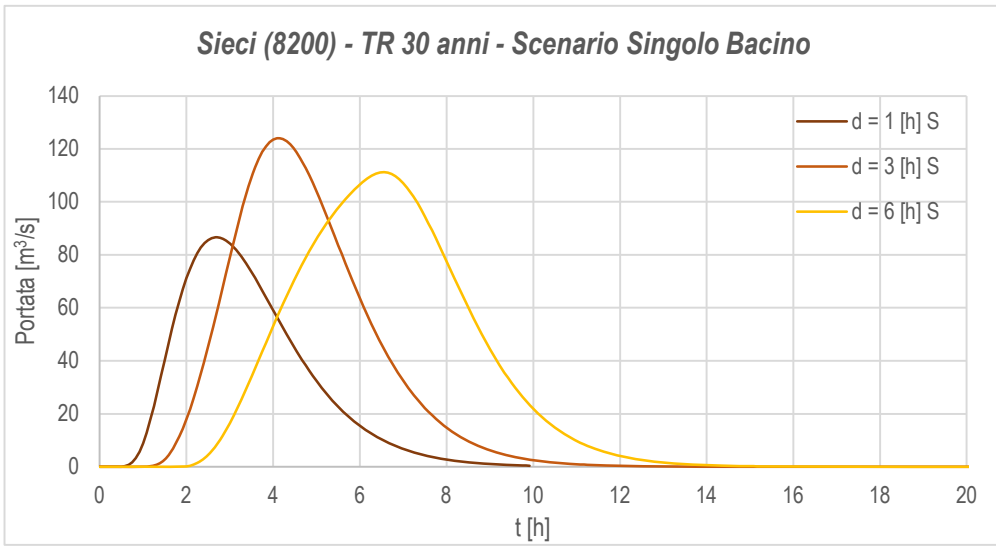


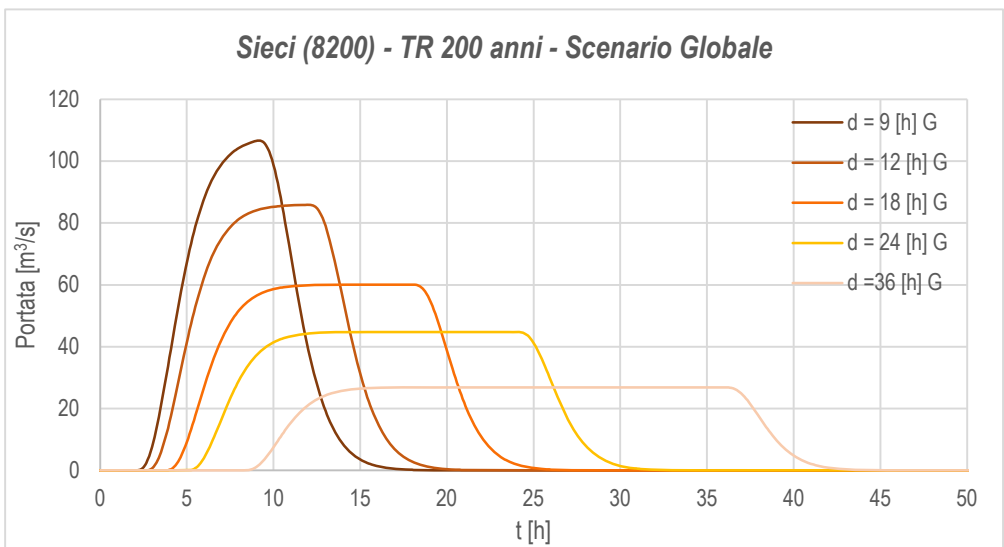
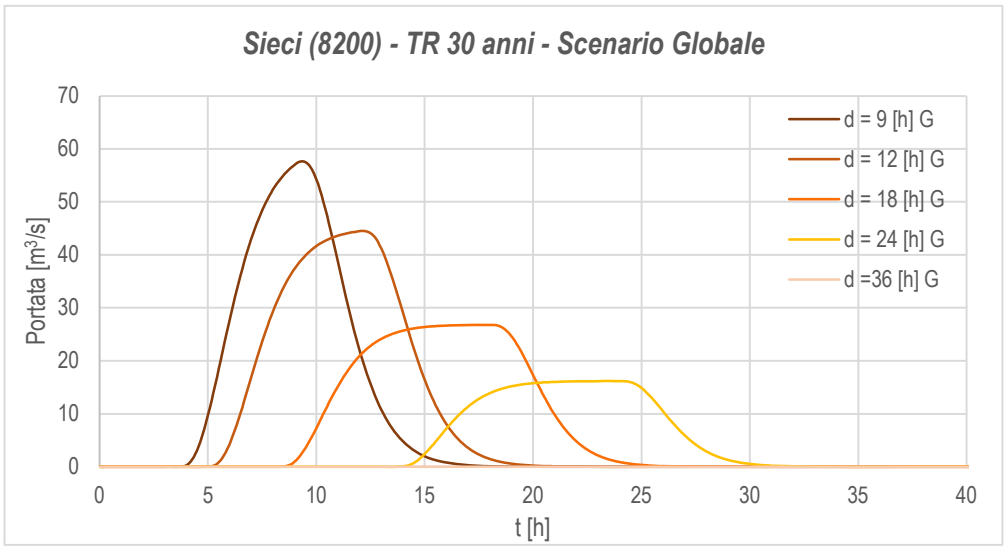
Ragnaia (8152) - TR 30 anni - Scenario Globale

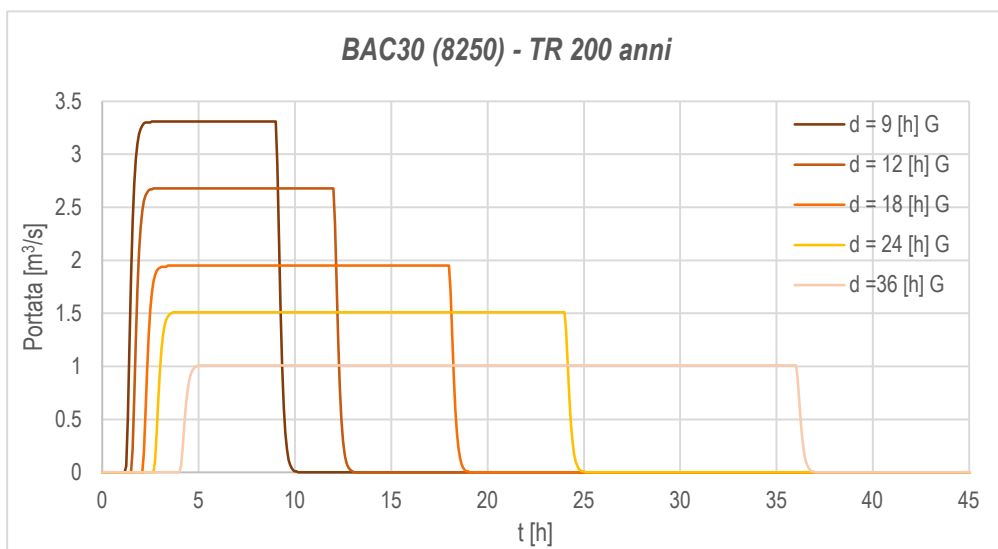
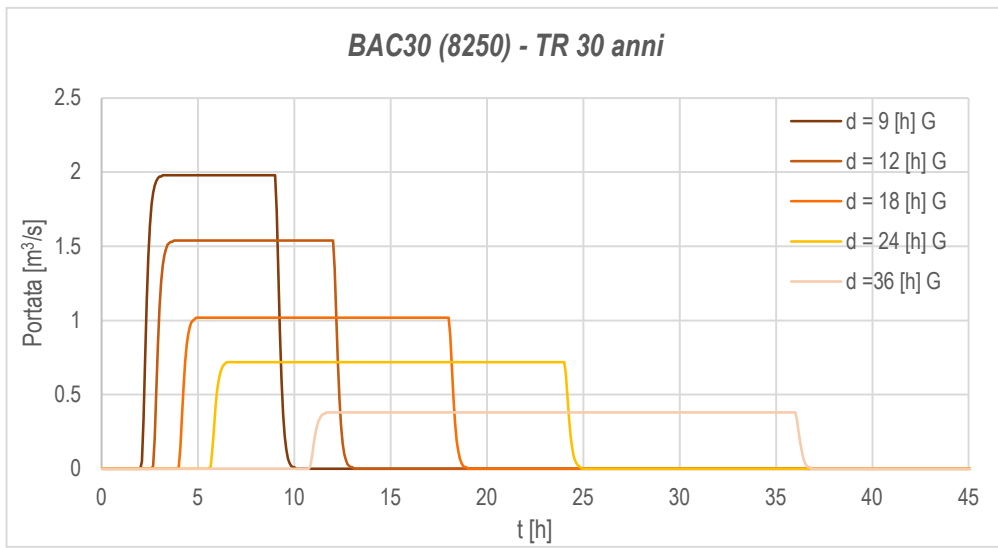


Ragnaia (8152) - TR 200 anni - Scenario Globale

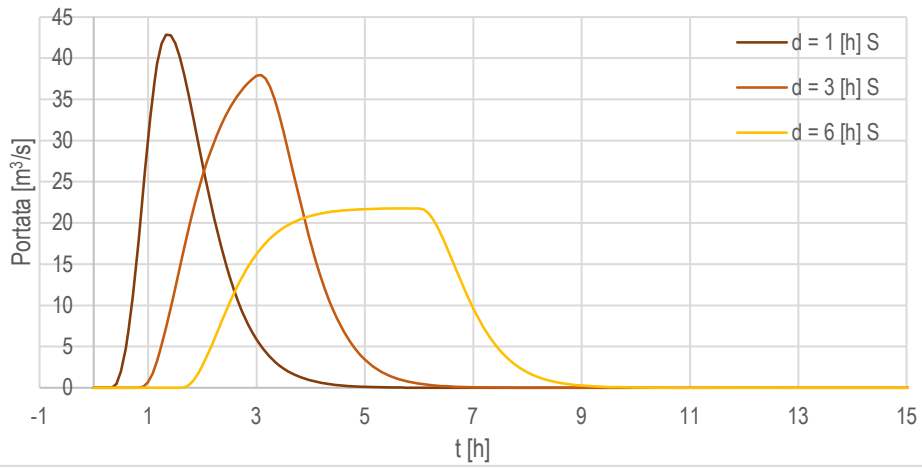




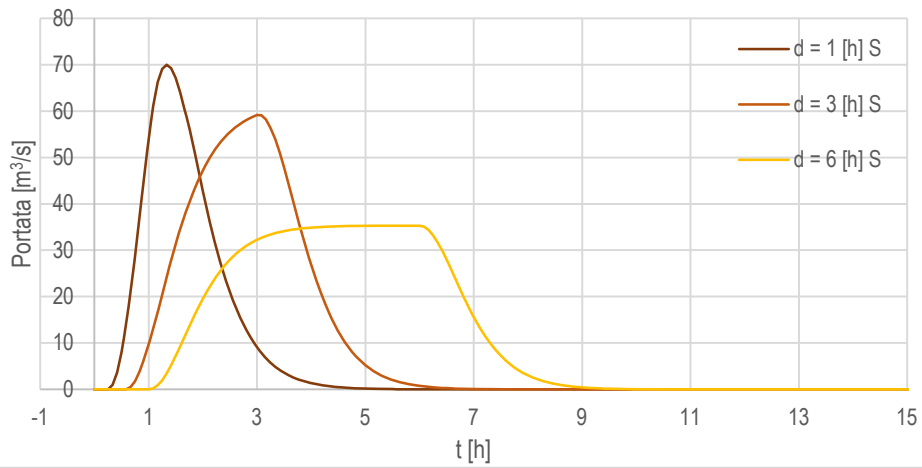




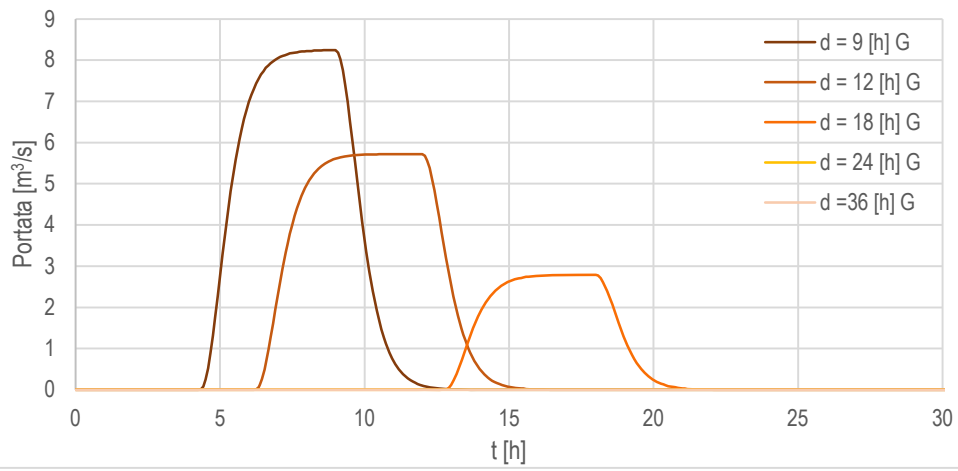
Sieci (8200) - TR 30 anni - Scenario Singolo Bacino



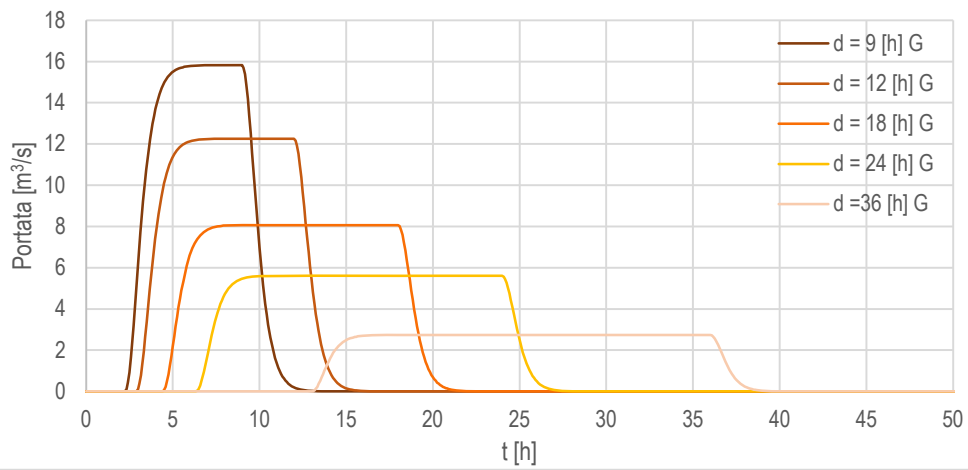
Sieci (8200) - TR 200 anni - Scenario Singolo Bacino



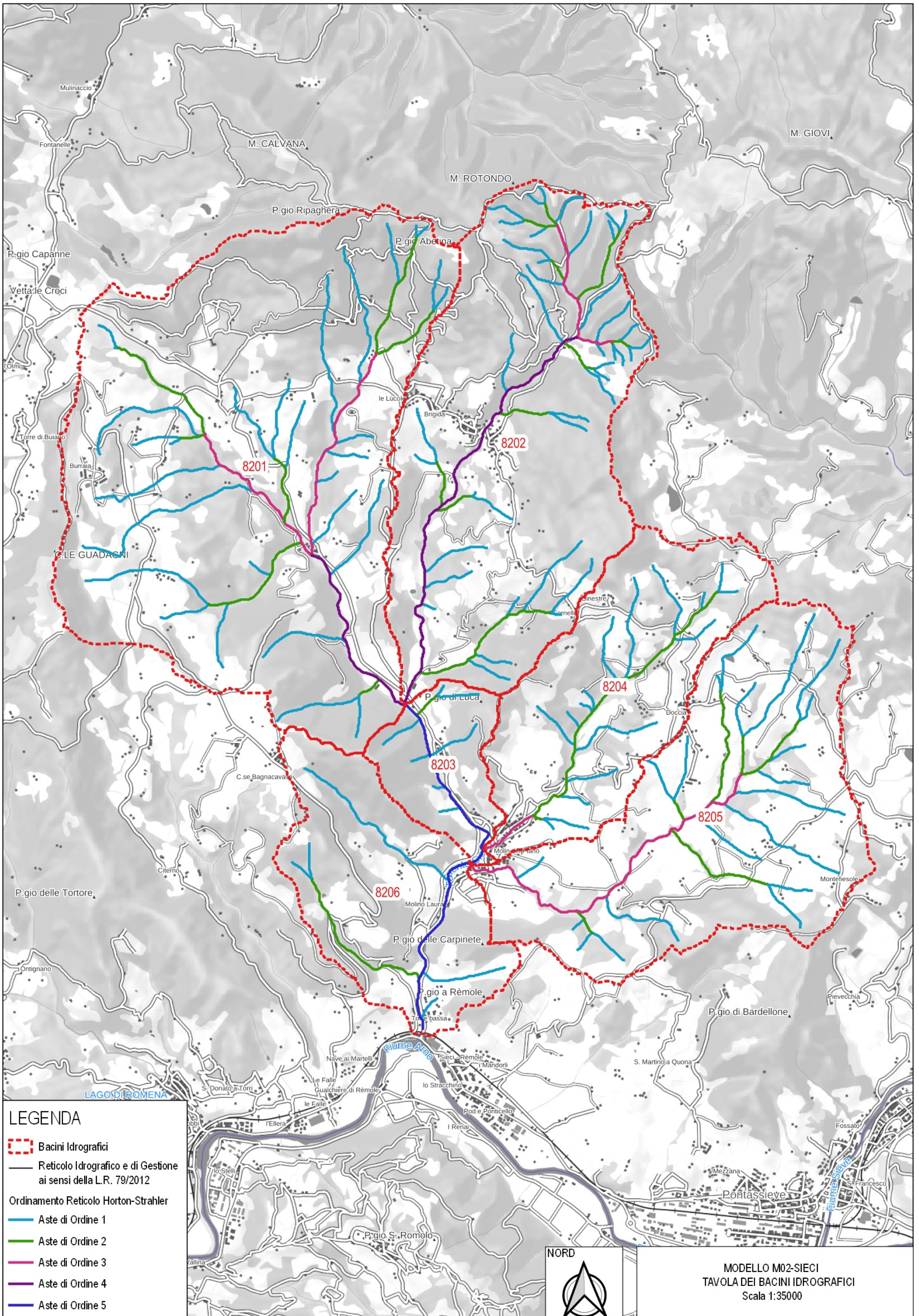
Sieci (8200) - TR 30 anni - Scenario Globale

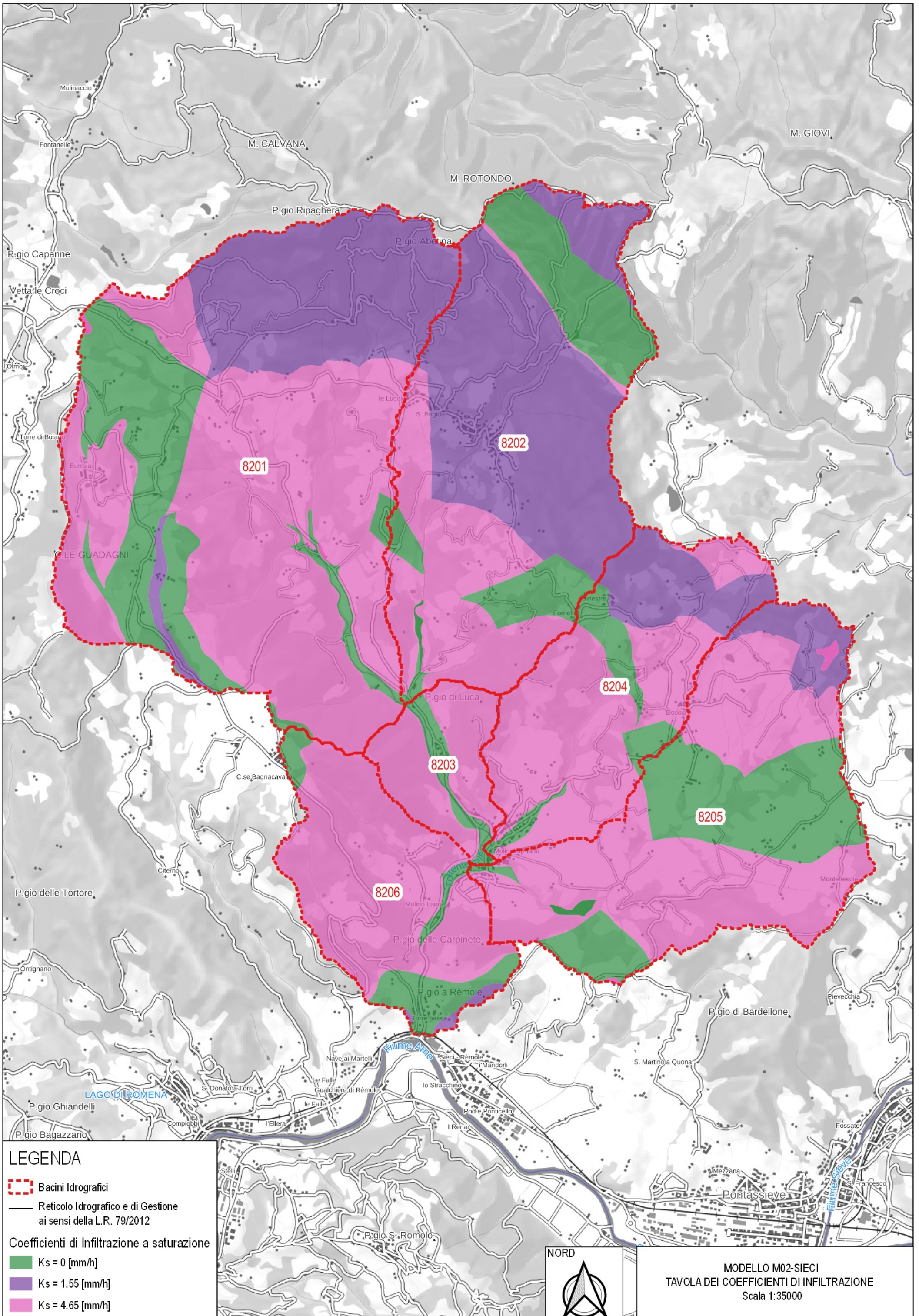


Sieci (8200) - TR 200 anni - Scenario Globale



MODELLO 02-SIECI





LEGENDA

- Bacini Idrografici
- Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012

Coefficienti di Infiltrazione a saturazione

- $K_s = 0$ [mm/h]
- $K_s = 1.55$ [mm/h]
- $K_s = 4.65$ [mm/h]



MODELLO M02-SIECI
TAVOLA DEI COEFFICIENTI DI INFILTRAZIONE
Scala 1:35000



LEGENDA

- Bacini Idrografici
- Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Aree Boscate (Codice 311, 312, 313, 324)



MODELLO M02-SIECI
TAVOLA DELLE AREE BOSCAE
Scala 1:35000

MODELLO 02 - SIECI

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

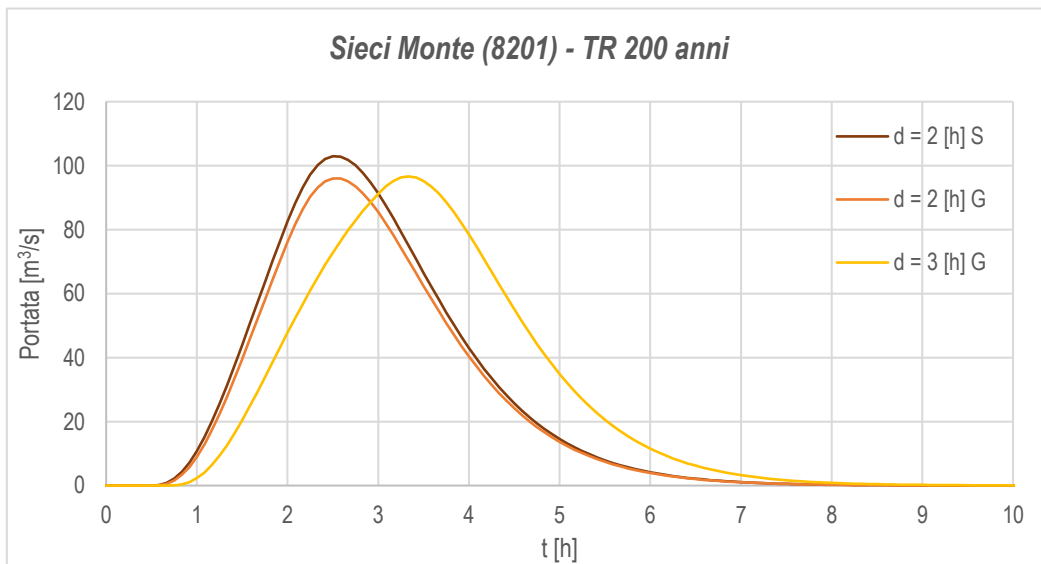
Parametri geomorfologici:

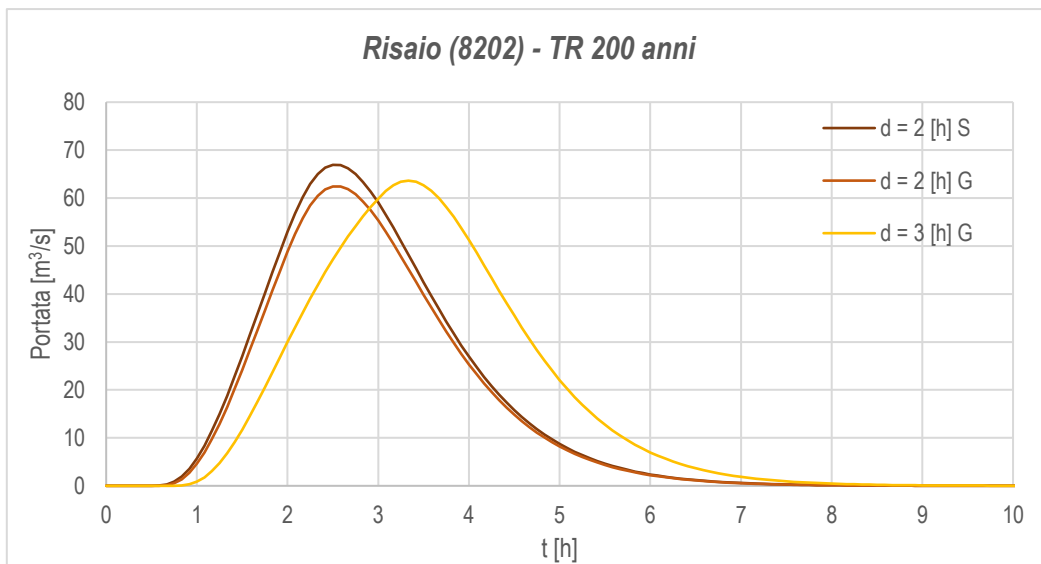
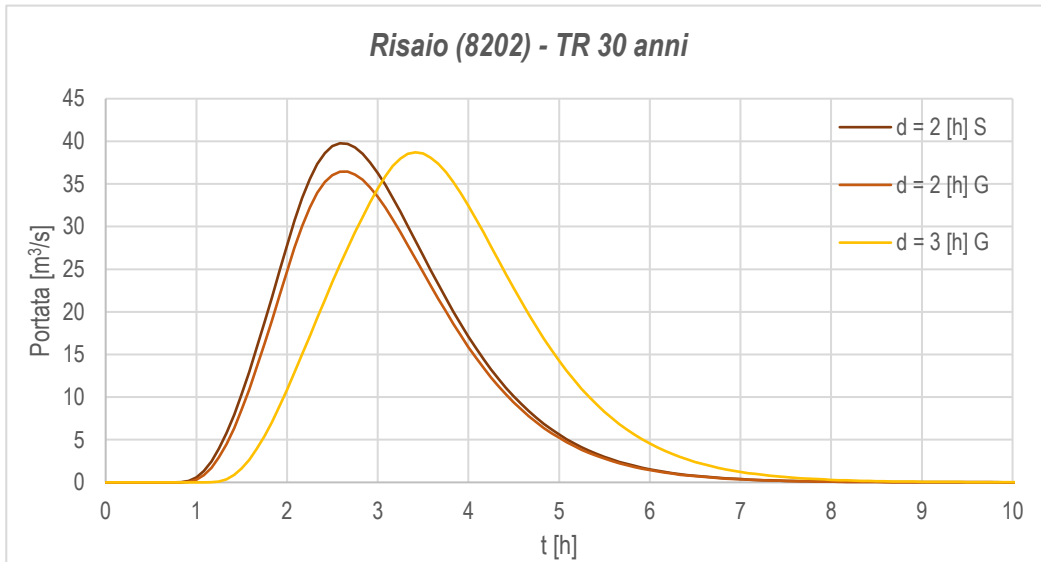
Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	TI [h]
8201	SIECI MONTE	17.15	17.80	2.99	3.06	0.57	1.73
8202	RISAIO	11.05	19.87	2.08	3.10	0.55	1.70
8203	SIECI INTERBACINO 1	1.79	19.27	3.89	2.85	0.11	0.31
8204	RIMAGGIO	5.60	12.87	3.45	2.80	0.35	0.97
8205	FUGLIONI	9.03	10.22	2.95	2.82	0.46	1.31
8206	SIECI INTERBACINO 2	4.57	16.56	3.82	2.85	0.11	0.31

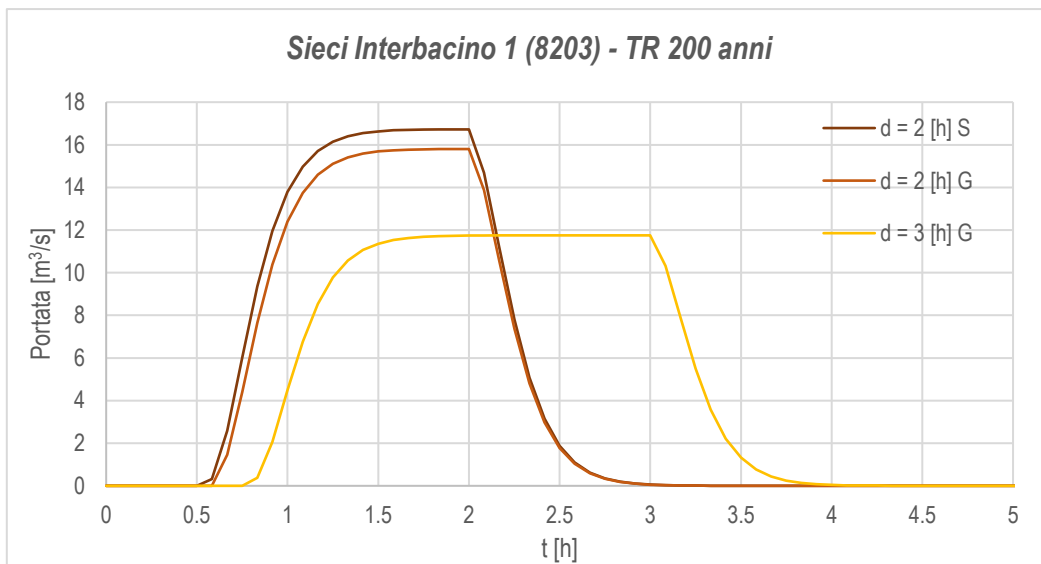
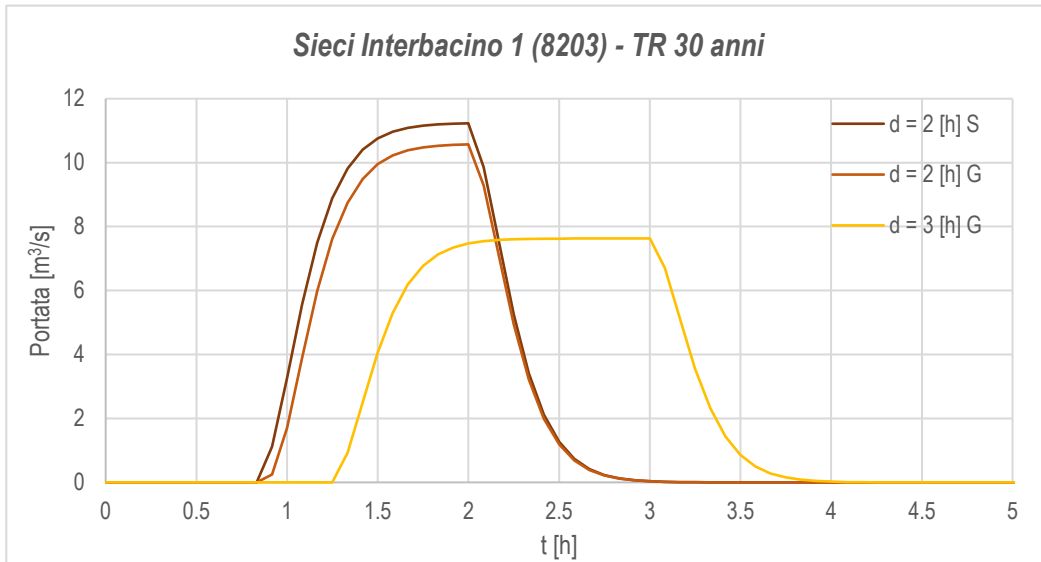
Parametri pluviometrici:

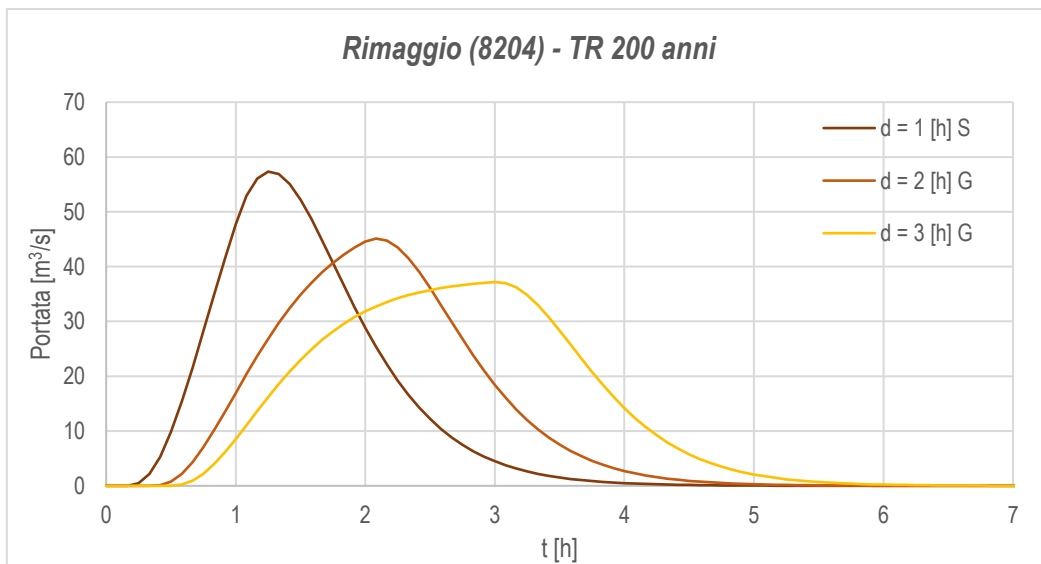
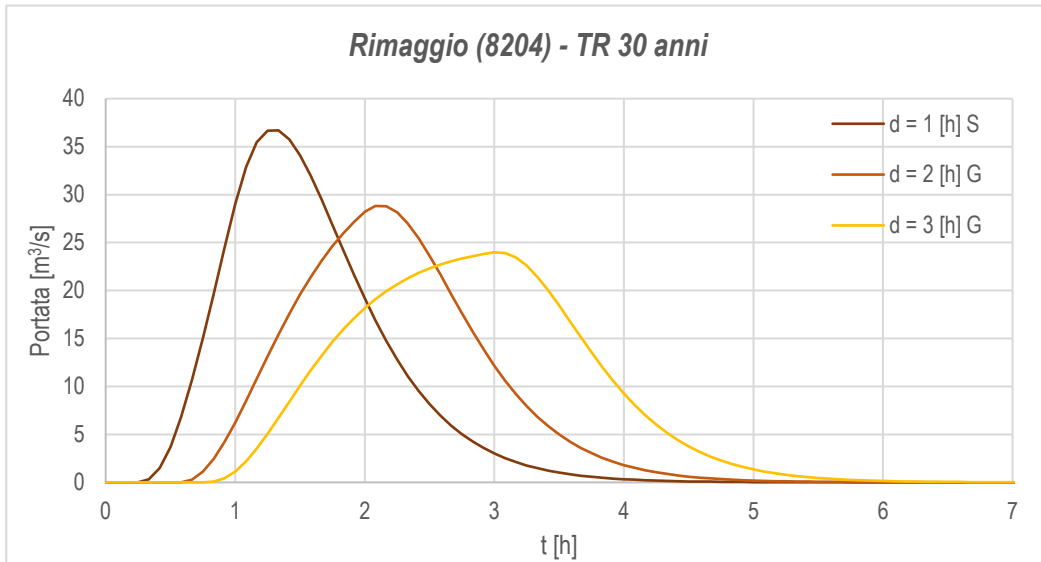
Idrogrammi di piena:

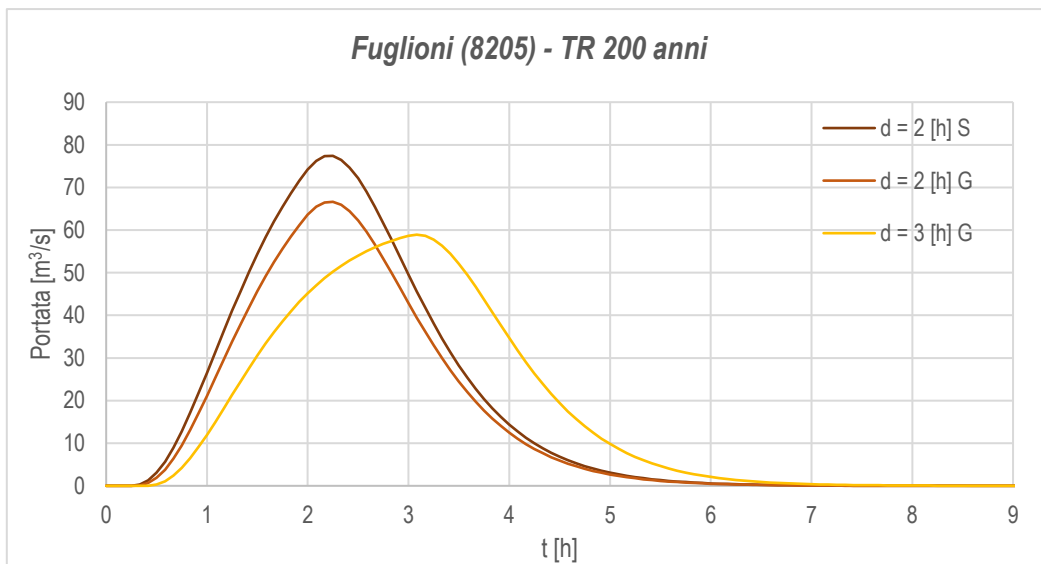
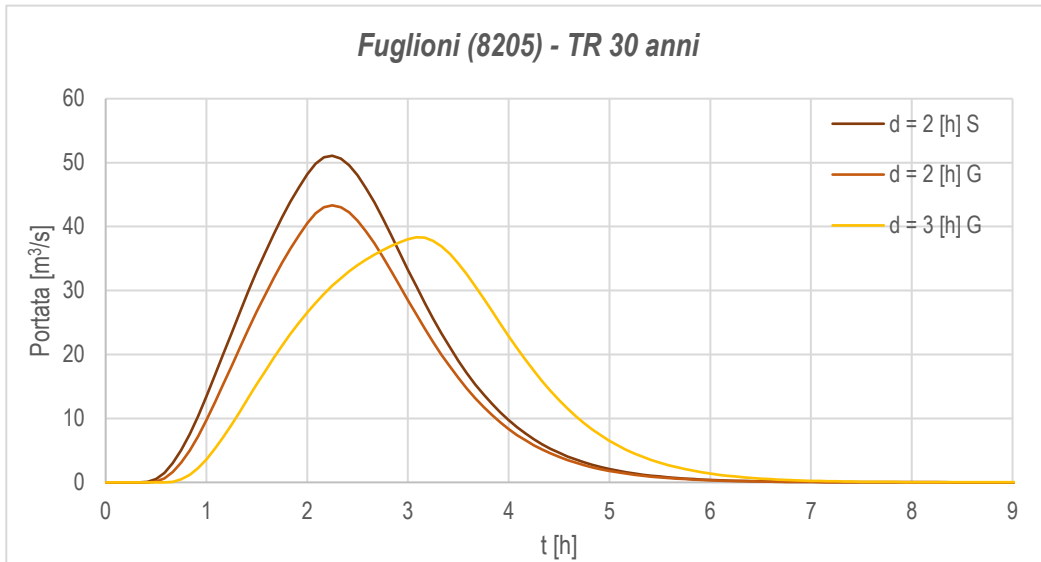
Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
8201	SIECI MONTE	30	2.0	S	60.5	0.932	56.3	61.14	512.48
			2.0	G	60.5	0.832	50.3	56.04	467.30
			3.0	G	68.3	0.846	57.8	57.98	544.79
		200	2.0	S	85.6	0.932	79.8	102.94	895.58
			2.0	G	85.6	0.832	71.2	95.97	831.56
			3.0	G	97.7	0.846	82.7	96.62	977.58
8202	RISAIO	30	2.0	S	60.0	0.955	57.3	39.77	323.92
			2.0	G	60.0	0.833	50.0	36.45	295.11
			3.0	G	67.6	0.847	57.3	38.71	352.95
		200	2.0	S	84.8	0.955	80.9	66.92	566.69
			2.0	G	84.8	0.833	70.6	62.41	526.01
			3.0	G	96.5	0.847	81.7	63.63	626.72
8203	SIECI INTERBACINO 1	30	2.0	S	60.0	0.992	59.5	11.23	46.60
			2.0	G	60.0	0.831	49.8	10.57	41.92
			3.0	G	67.6	0.845	57.1	7.63	48.05
		200	2.0	S	84.9	0.992	84.3	16.72	86.09
			2.0	G	84.9	0.831	70.6	15.80	79.46
			3.0	G	96.7	0.845	81.8	11.75	92.56
8204	RIMAGGIO	30	1.0	S	49.4	0.973	48.1	36.70	177.89
			2.0	G	60.4	0.833	50.3	28.82	175.14
			3.0	G	67.9	0.847	57.5	23.98	196.54
		200	1.0	S	68.7	0.973	66.9	57.33	283.34
			2.0	G	85.5	0.833	71.2	45.11	294.22
			3.0	G	97.2	0.847	82.3	37.18	337.43
8205	FUGLIONI	30	2.0	S	60.9	0.964	58.7	51.08	384.55
			2.0	G	60.9	0.833	50.7	43.32	321.08
			3.0	G	68.3	0.847	57.8	38.33	358.81
		200	2.0	S	86.0	0.964	82.9	77.40	602.49
			2.0	G	86.0	0.833	71.6	66.62	512.96
			3.0	G	97.4	0.847	82.5	58.91	585.07
8206	SIECI INTERBACINO 2	30	2.0	G	60.3	0.833	50.3	27.47	122.36
			3.0	G	67.7	0.848	57.4	19.71	137.37
		200	2.0	G	85.5	0.833	71.2	40.94	219.29
			3.0	G	96.9	0.848	82.1	30.30	251.74

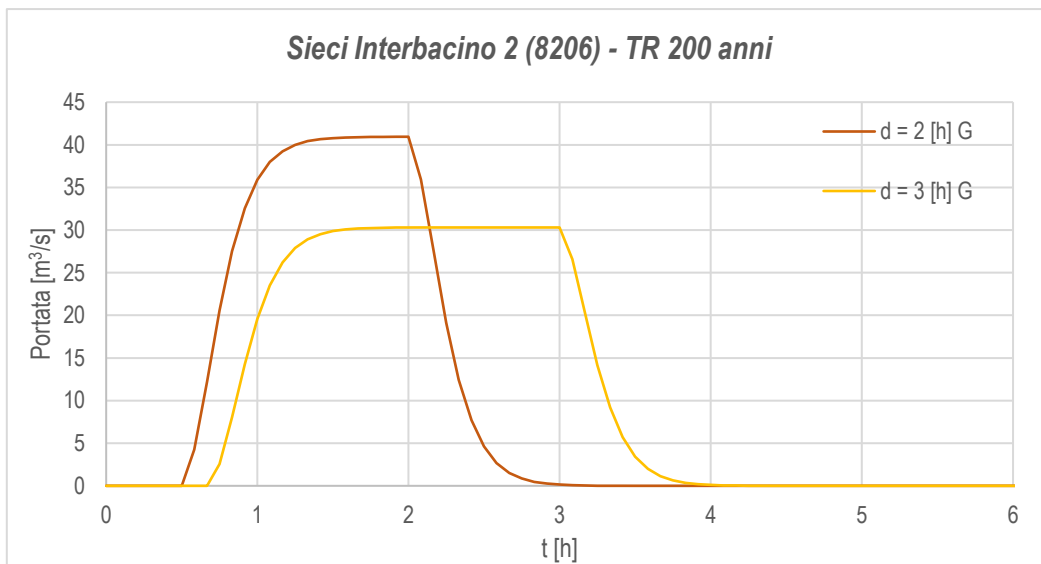
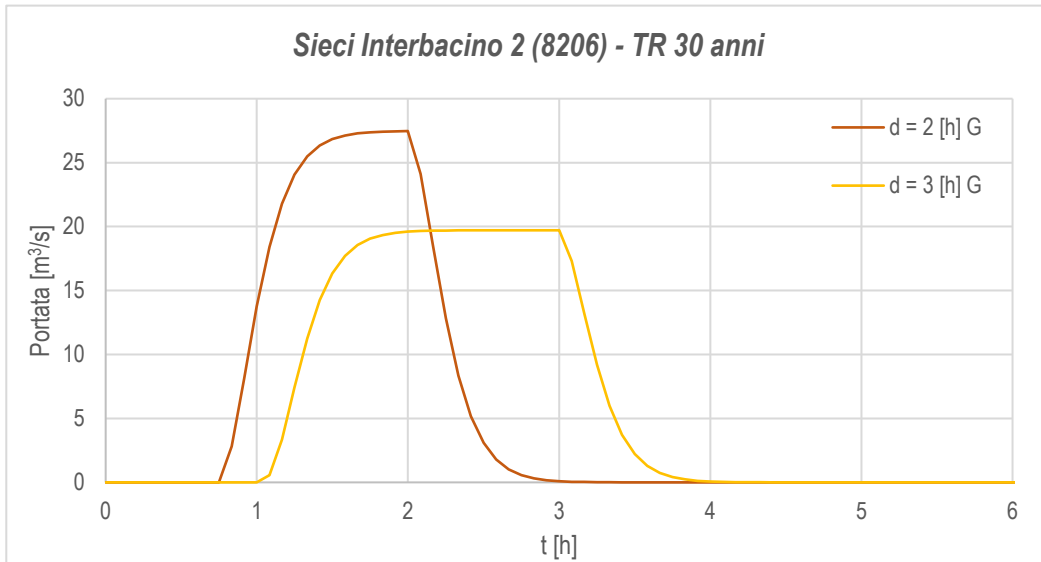








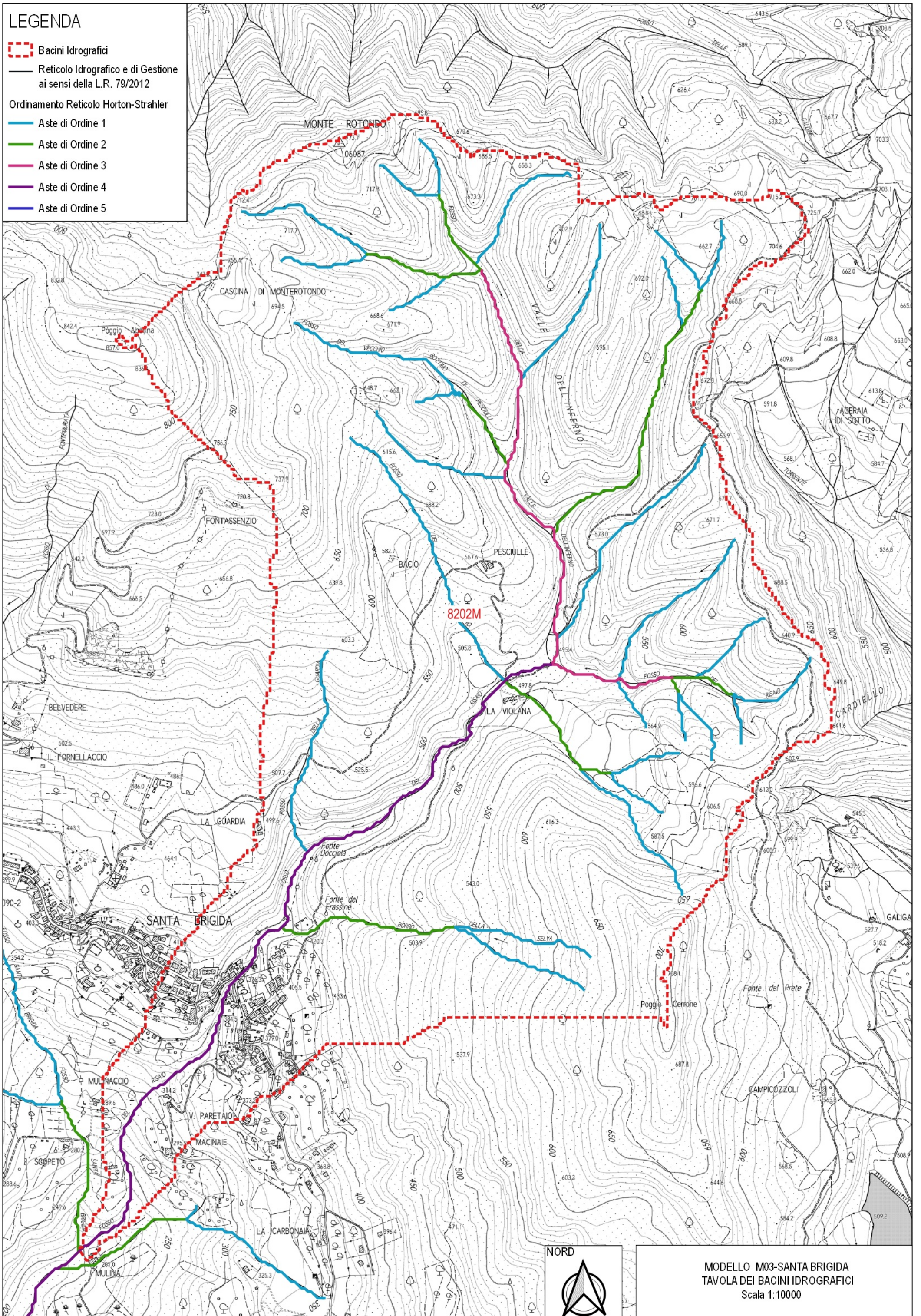







MODELLO 03-SANTA BRIGIDA

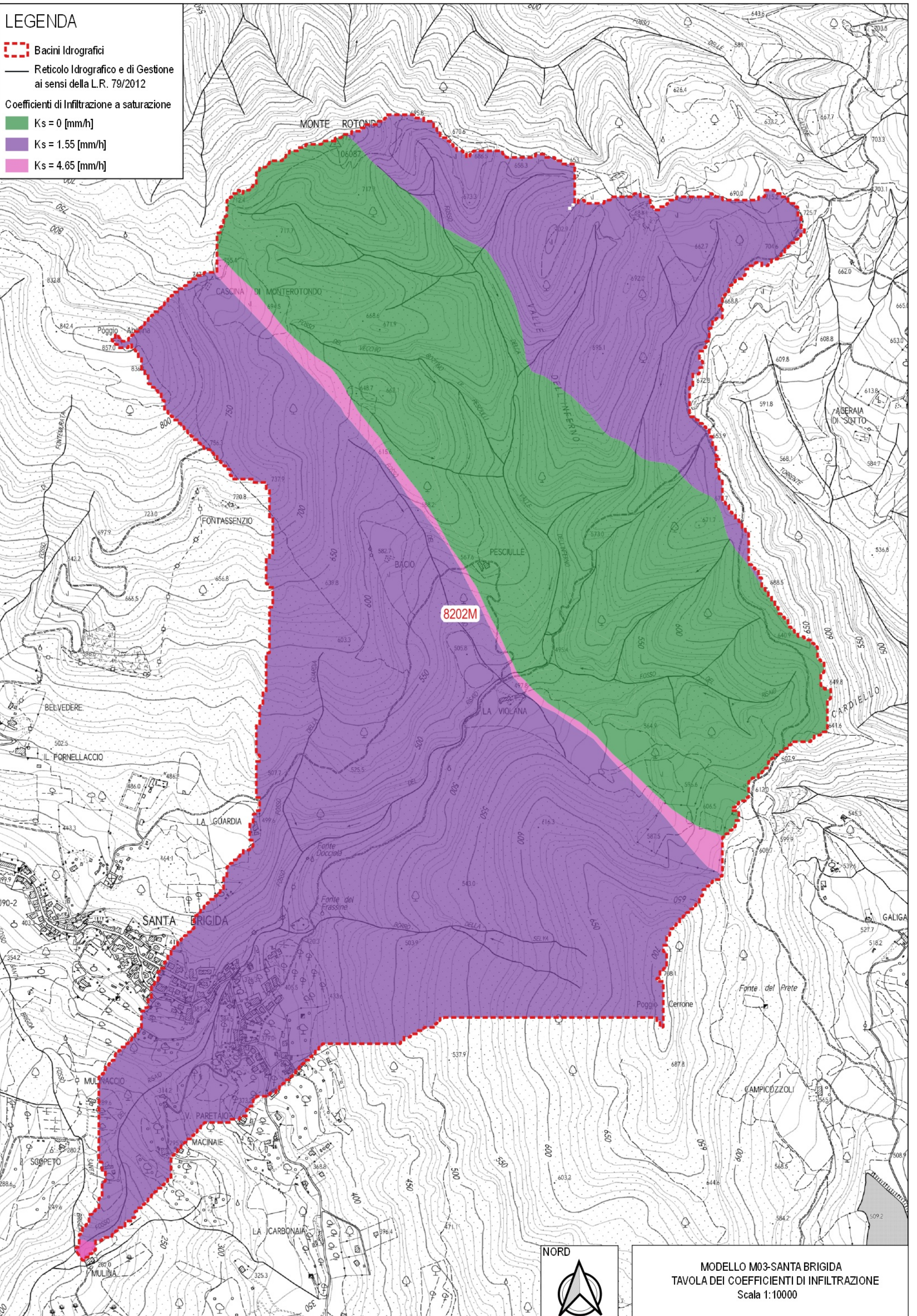
LEGENDA

-  Bacini Idrografici
-  Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Ordinamento Reticolo Horton-Strahler
 -  Aste di Ordine 1
 -  Aste di Ordine 2
 -  Aste di Ordine 3
 -  Aste di Ordine 4
 -  Aste di Ordine 5






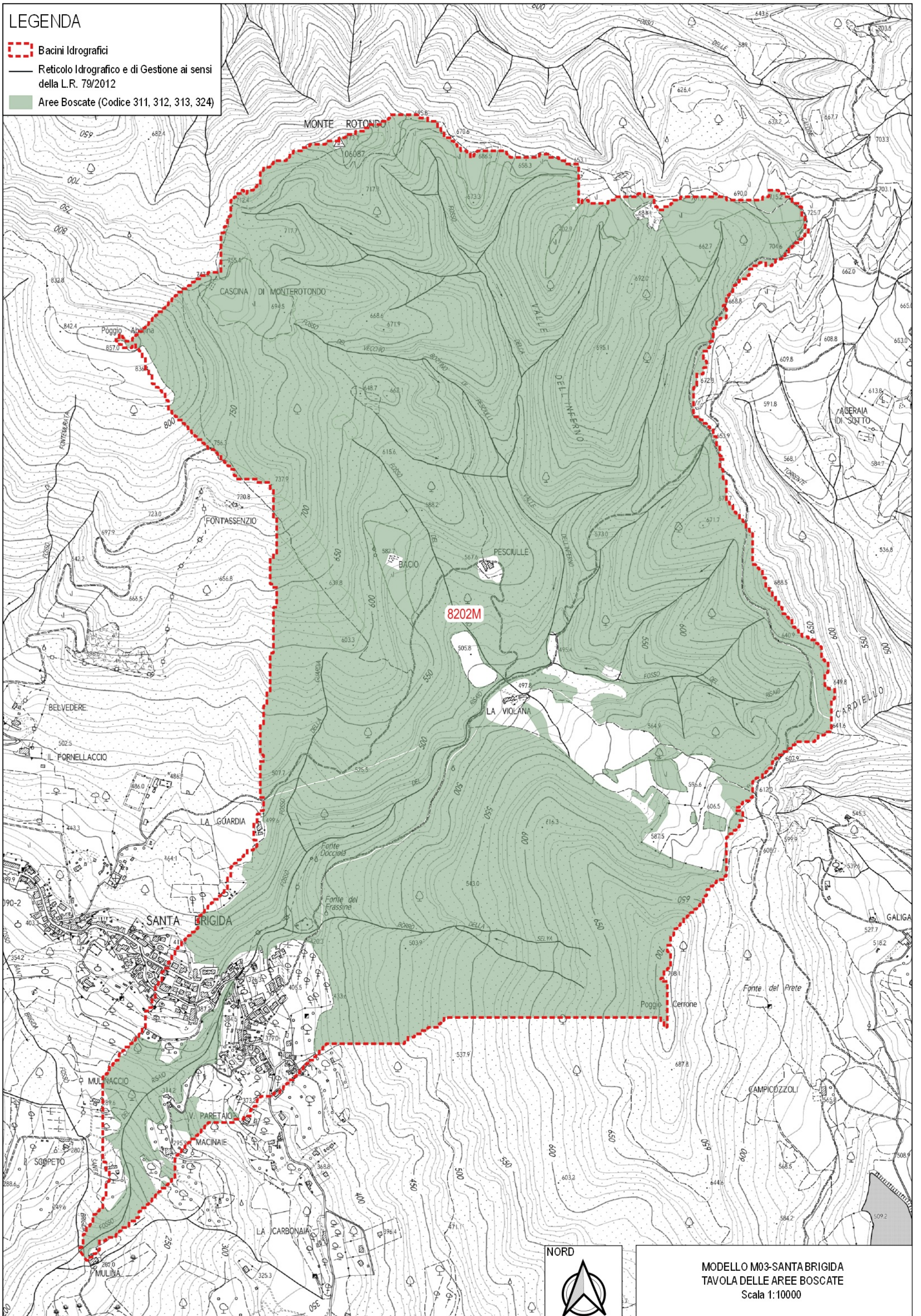
LEGENDA

-  Bacini Idrografici
-  Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Coefficienti di Infiltrazione a saturazione**
 -  $K_s = 0$ [mm/h]
 -  $K_s = 1.55$ [mm/h]
 -  $K_s = 4.65$ [mm/h]



LEGENDA

-  Bacini Idrografici
-  Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
-  Aree Boscate (Codice 311, 312, 313, 324)



MODELLO 03 - SANTA BRIGIDA

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

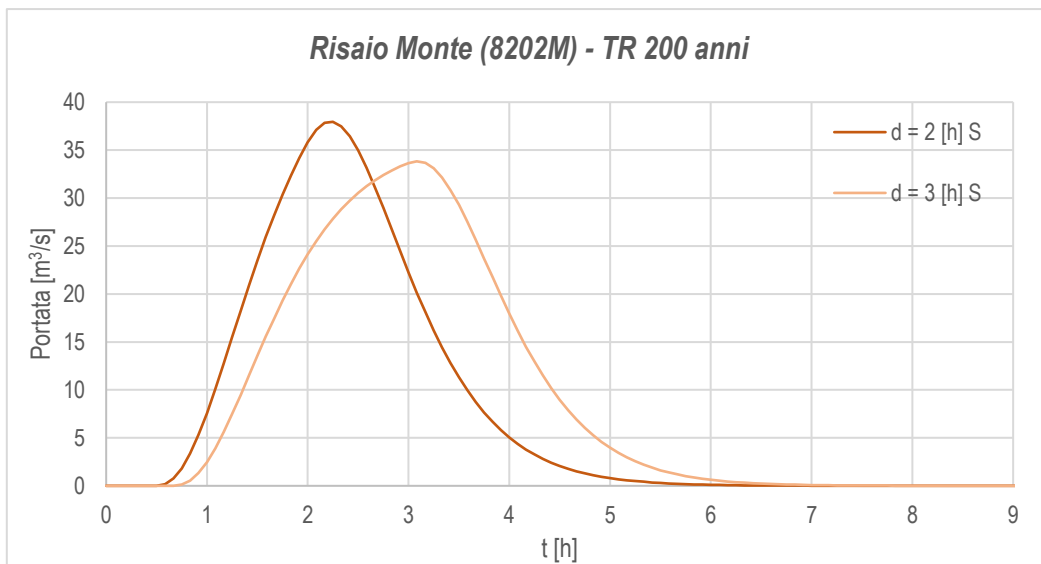
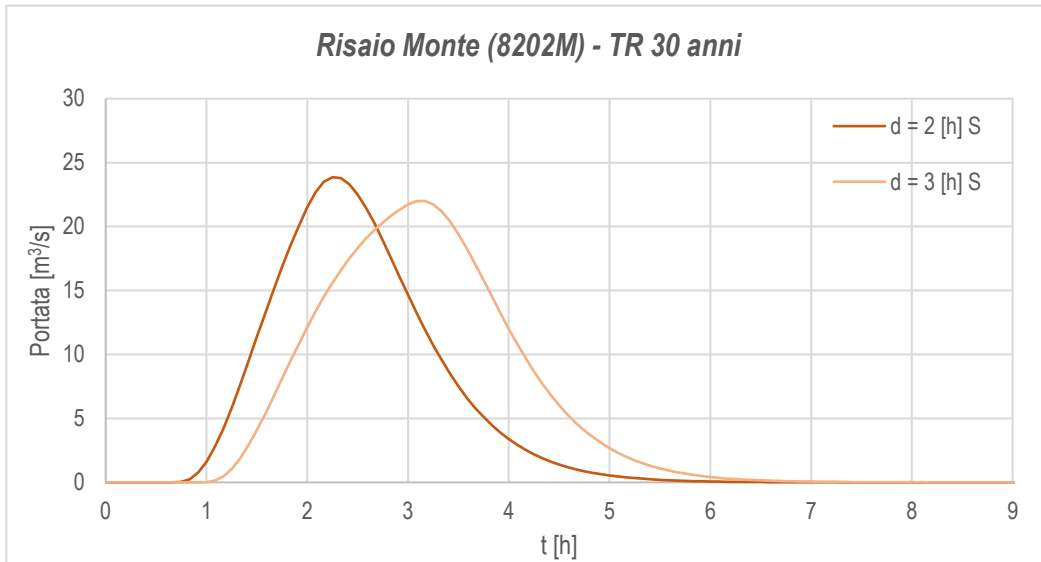
Parametri geomorfologici:

Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	Tl [h]
8202M	RISAIO MONTE	4.38	19.87	2.08	2.99	0.40	1.19

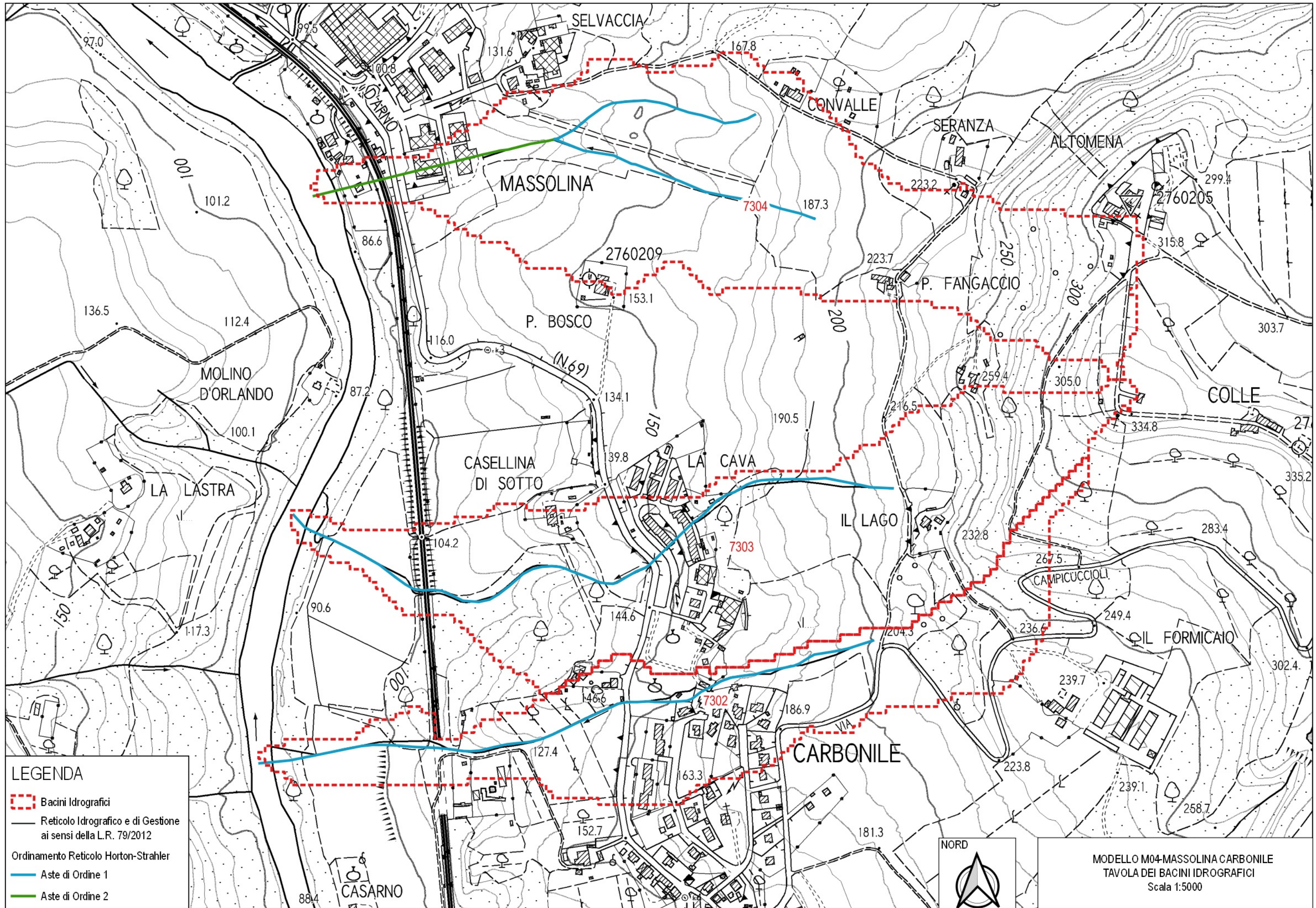
Parametri pluviometrici:

Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m ³ /s]	Vol [1000 m ³]
8202M	RISAIO MONTE	30	2.0	S	60.0	0.982	58.9	23.86	152.67
			3.0	S	67.6	0.983	66.5	22.01	176.66
		200	2.0	S	84.8	0.982	83.2	37.95	258.85
			3.0	S	96.5	0.983	94.9	33.83	300.78

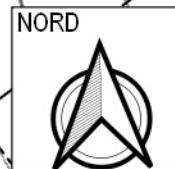


MODELLO 04-MASSOLINA CARBONILE



LEGENDA

- - - Bacini Idrografici
- Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Ordinamento Reticolo Horton-Strahler
- Aste di Ordine 1
- Aste di Ordine 2



MODELLO M04-MASSOLINA CARBONILE
TAVOLA DEI BACINI IDROGRAFICI
Scala 1:5000

MODELLO 04 - MASSOLINA CARBONILE

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

Parametri geomorfologici:

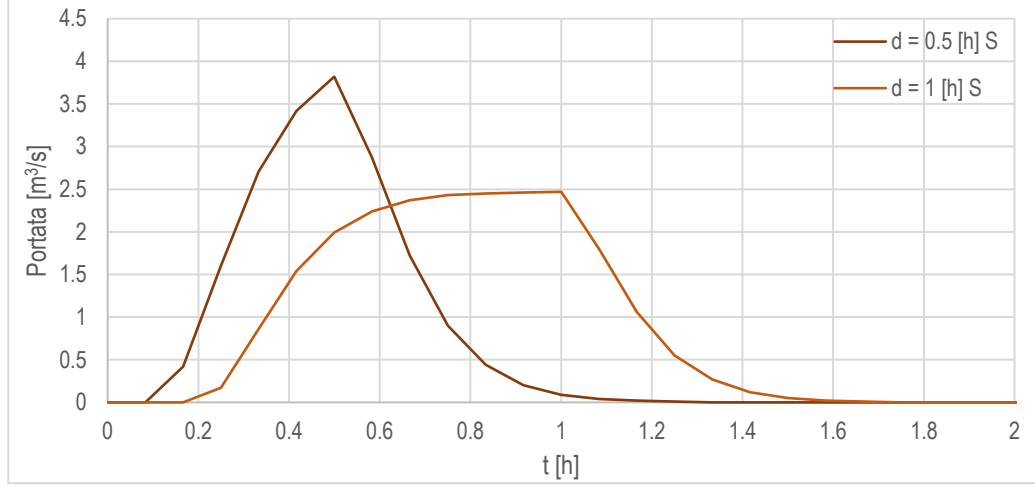
Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	TI [h]
7302	COLATORE 2 - CARBONILE	0.17	12.15	0.82	2.64	0.08	0.21
7303	COLATORE 1 - CARBONILE	0.27	12.15	0.82	2.64	0.10	0.26
7304	COLATORE 1 - MASSOLINA	0.28	12.15	0.82	2.64	0.10	0.27

Parametri pluviometrici:

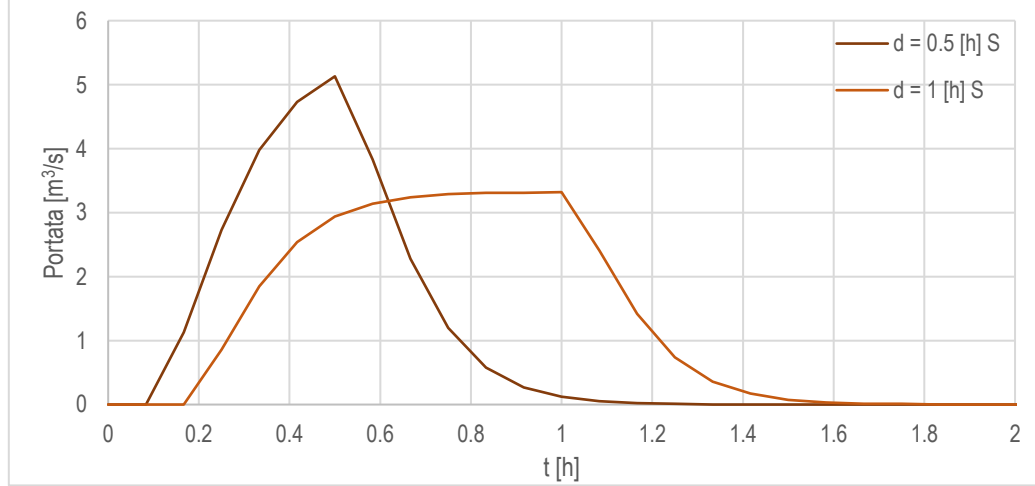
Idrogrammi di piena:

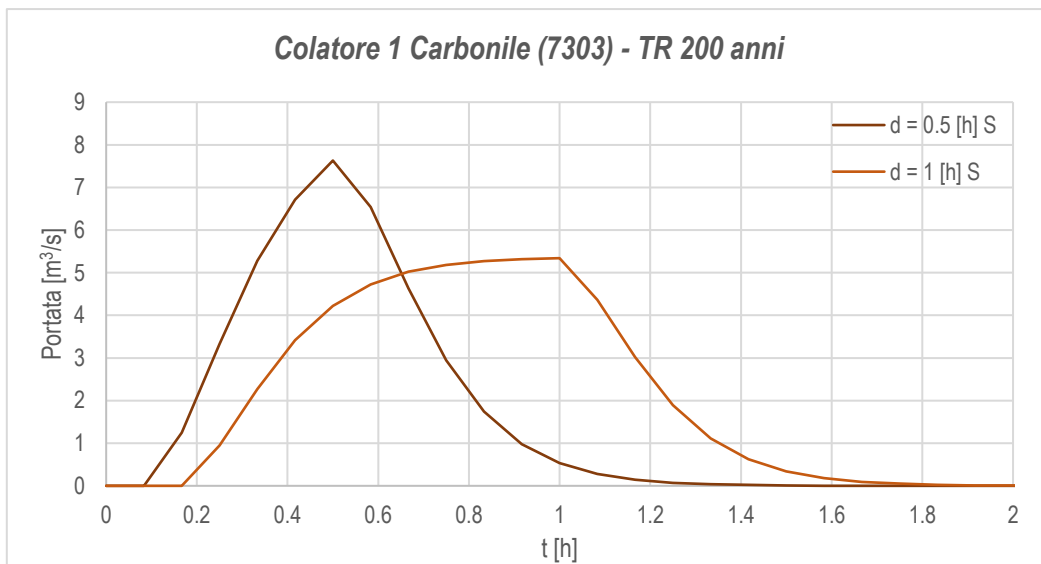
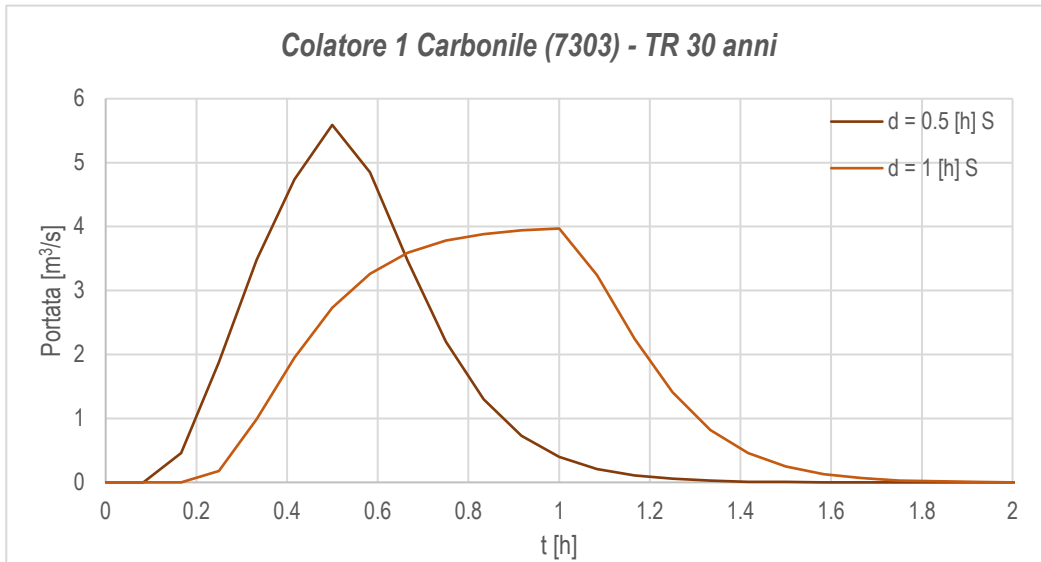
Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
7302	COLATORE 2 - CARBONILE	30	0.5	S	45.17	0.999	45.1	3.82	5.48
			1.0	S	53.79	0.999	53.8	2.47	6.86
		200	0.5	S	59.08	0.999	59.0	5.13	7.82
			1.0	S	71.94	0.999	71.9	3.32	9.91
7303	COLATORE 1 - CARBONILE	30	0.5	S	45.17	0.999	45.1	5.59	8.86
			1.0	S	53.79	0.999	53.7	3.97	11.09
		200	0.5	S	59.08	0.999	59.0	7.63	12.64
			1.0	S	71.94	0.999	71.9	5.34	16.02
7304	COLATORE 1 - MASSOLINA	30	0.5	S	45.17	0.999	45.1	5.73	9.174
			1.0	S	53.79	0.999	53.7	4.11	11.496
		200	0.5	S	59.08	0.999	59.0	7.85	13.089
			1.0	S	71.94	0.999	71.9	5.53	16.599

Colatore 2 Carbonile (7302) - TR 30 anni

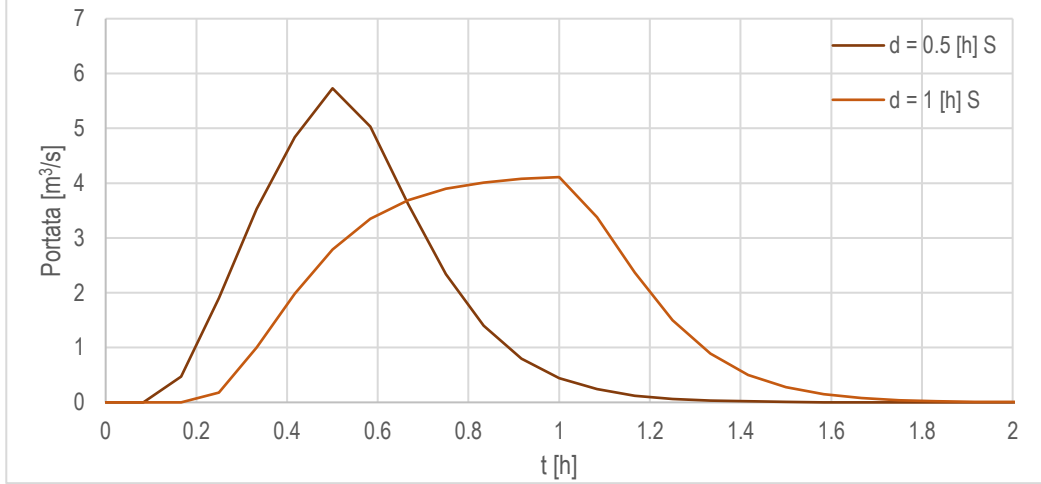


Colatore 2 Carbonile (7302) - TR 200 anni

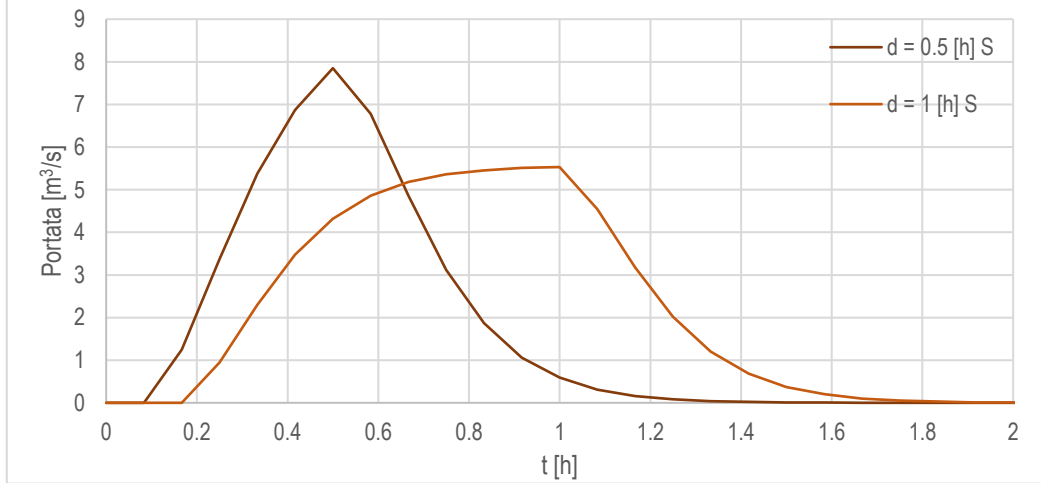




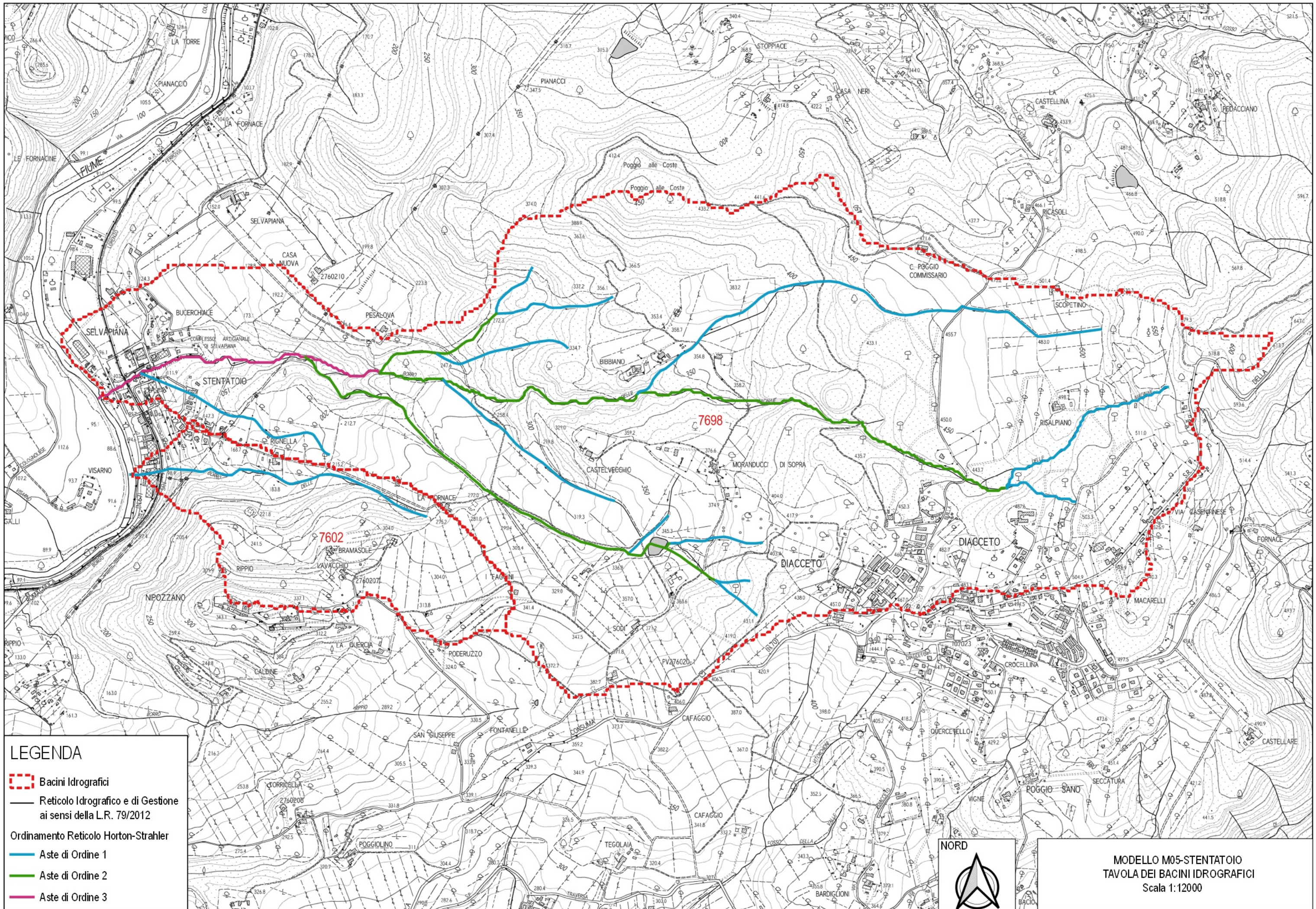
Colatore 1 Massolina (7304) - TR 30 anni




Colatore 1 Massolina (7304) - TR 200 anni



MODELLO 05-STENTATOIO



LEGENDA

-  Bacini Idrografici
-  Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Ordinamento Reticolo Horton-Strahler**
-  Aste di Ordine 1
-  Aste di Ordine 2
-  Aste di Ordine 3



MODELLO M05-STENTATIO
TAVOLA DEI BACINI IDROGRAFICI
Scala 1:12000

MODELLO 05 - STENTATOIO

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

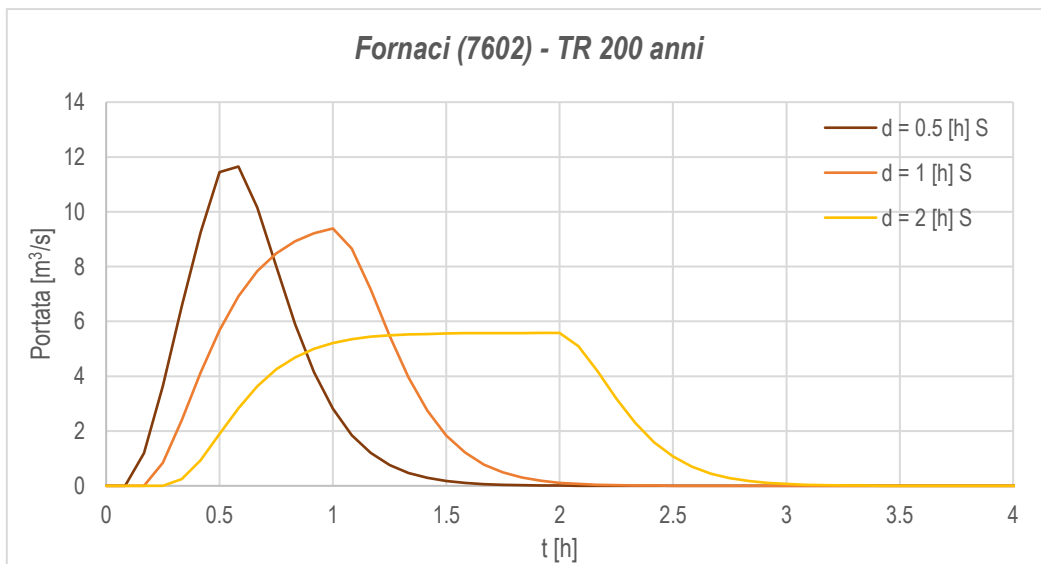
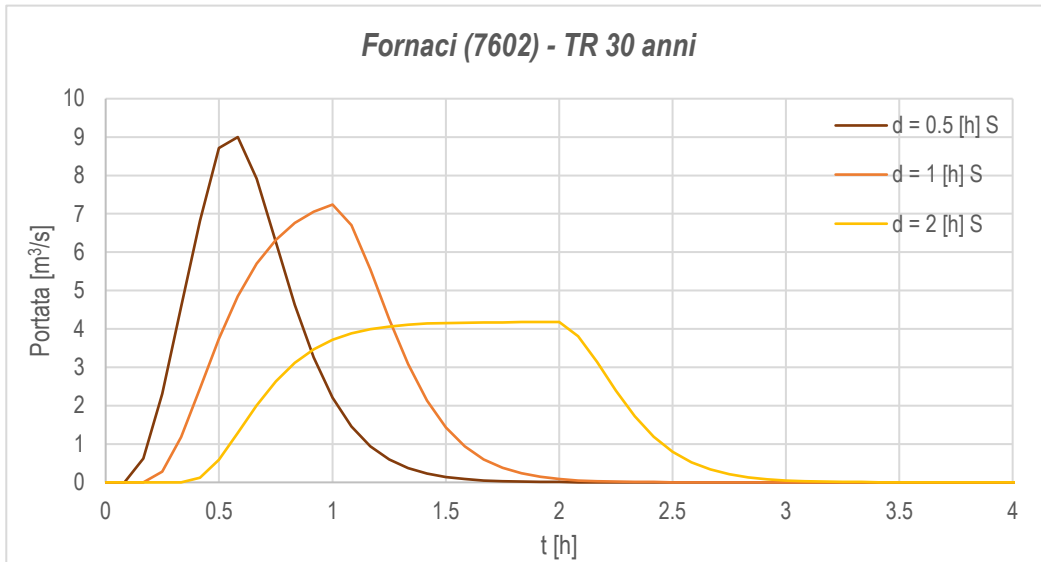
Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

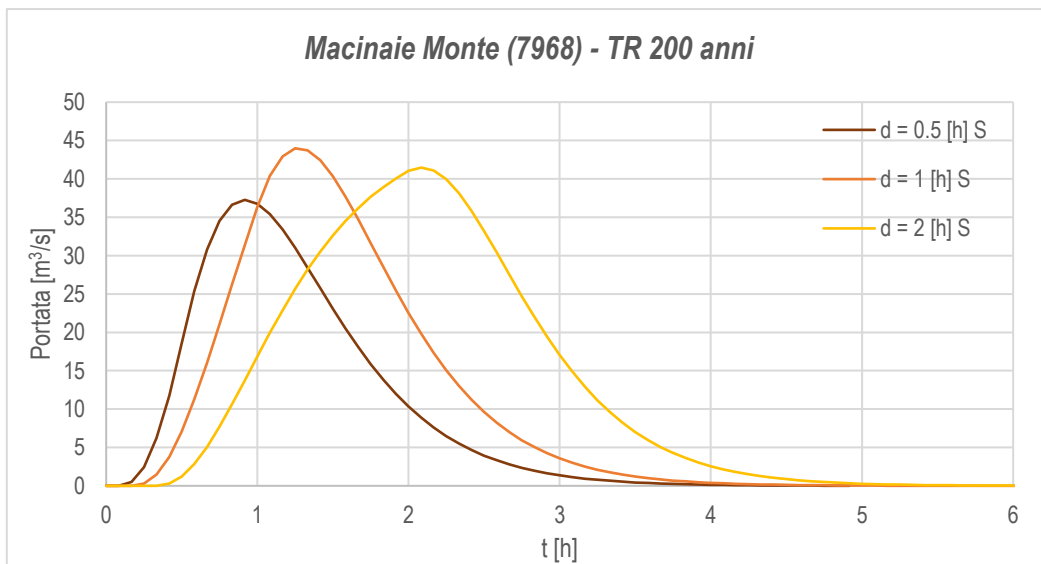
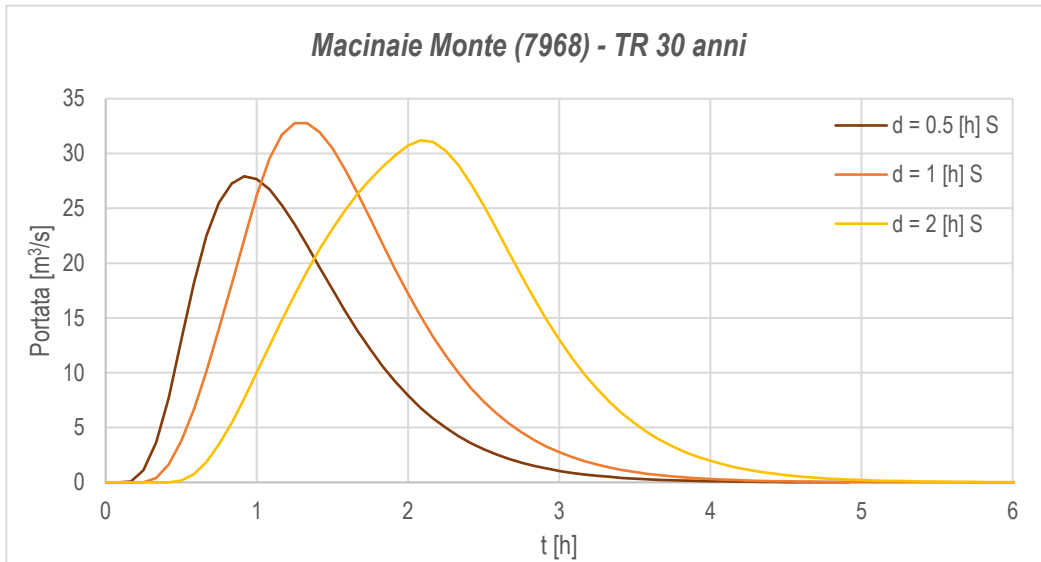
Parametri geomorfologici:

Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	Tl [h]
7602	FORNACI	4.50	13.07	1.01	2.80	0.35	0.97
7698	MACINAIE TOTALE	0.58	10.06	4.25	2.79	0.13	0.37

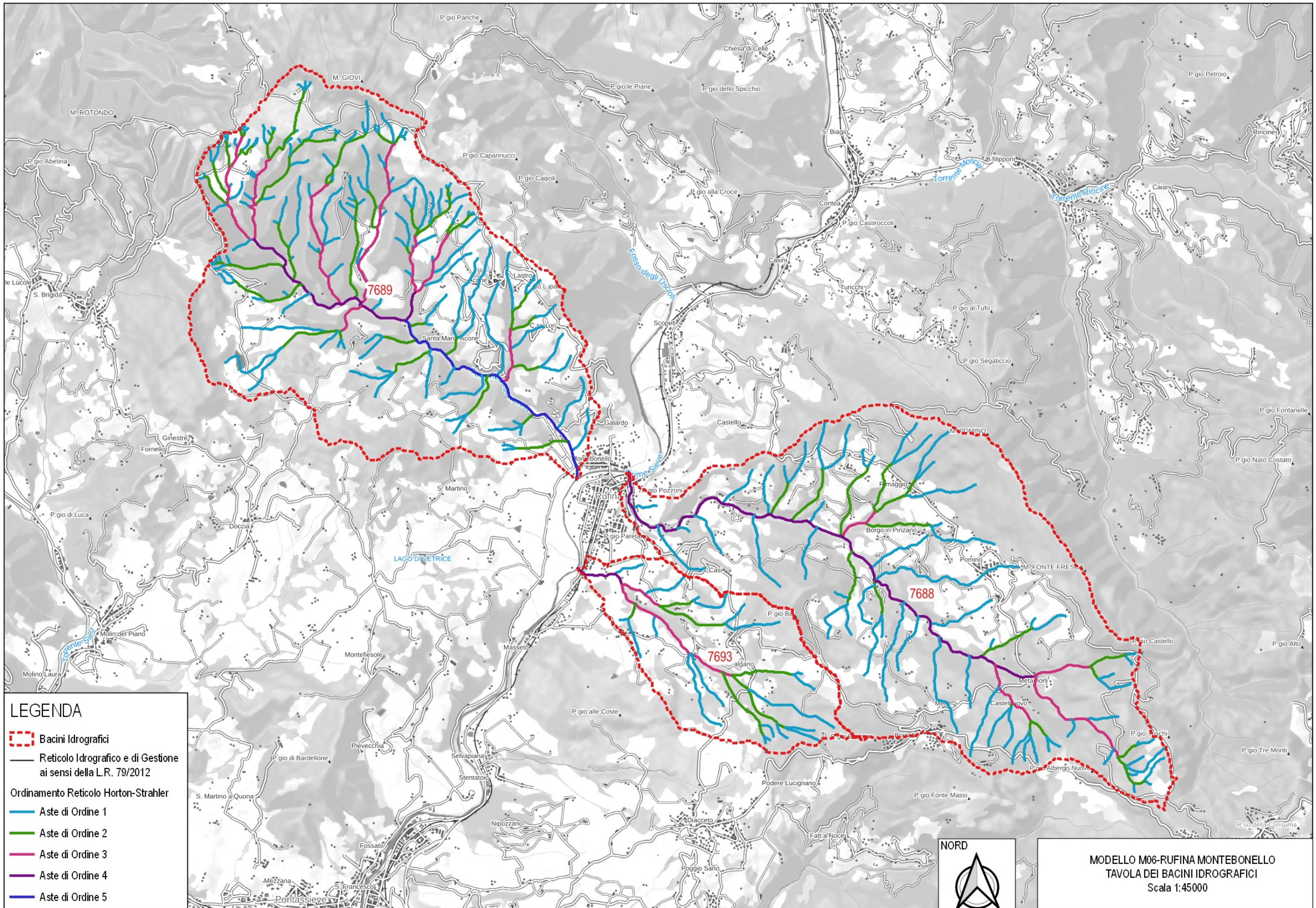
Parametri pluviometrici:

Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
7602	FORNACI	30	0.5	S	43.4	0.997	43.3	9.00	18.08
			1.0	S	51.2	0.998	51.1	7.24	21.37
			2.0	S	60.4	0.998	60.2	4.18	24.23
		200	0.5	S	53.5	0.997	53.3	11.65	23.93
			1.0	S	64.5	0.998	64.3	9.39	29.07
			2.0	S	77.7	0.998	77.5	5.58	34.30
7698	MACINAIE TOTALE	30	0.5	S	42.6	0.979	41.7	27.92	126.51
			1.0	S	50.7	0.982	49.8	32.77	160.57
			2.0	S	60.3	0.985	59.4	31.2	199.36
		200	0.5	S	52.4	0.979	51.3	37.27	169.64
			1.0	S	63.7	0.982	62.6	43.98	218.12
			2.0	S	77.5	0.985	76.3	41.47	275.50



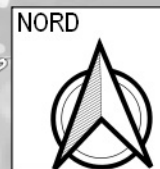


MODELLO 06 - RUFINA MONTEBONELLO



LEGENDA

- - - Bacini Idrografici
- Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Ordinamento Reticolo Horton-Strahler**
- Aste di Ordine 1
- Aste di Ordine 2
- Aste di Ordine 3
- Aste di Ordine 4
- Aste di Ordine 5



MODELLO M06-RUFINA MONTEBONELLO
TAVOLA DEI BACINI IDROGRAFICI
 Scala 1:45000

MODELLO 06 - RUFINA MONTEBONELLO

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

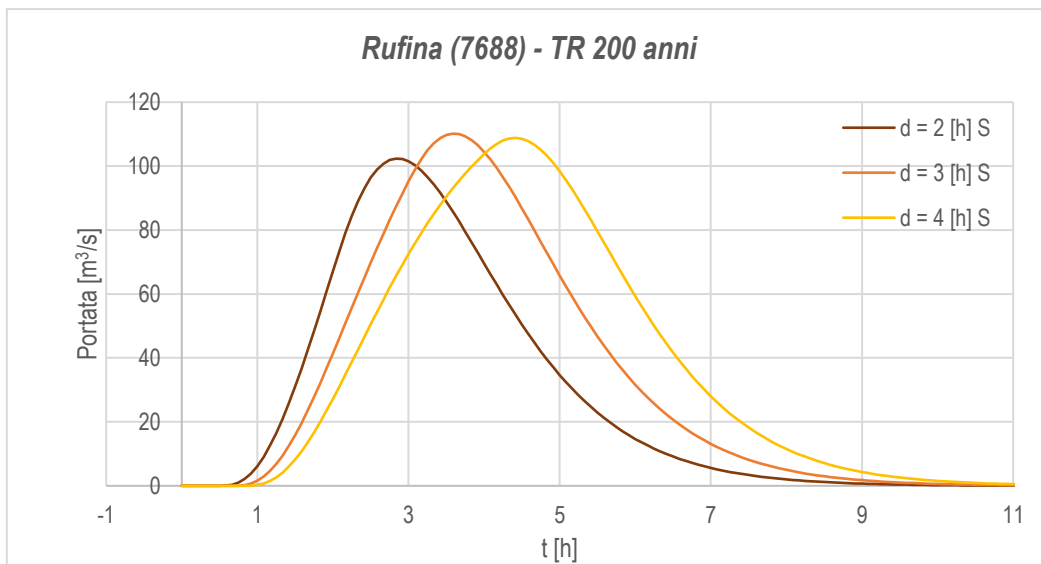
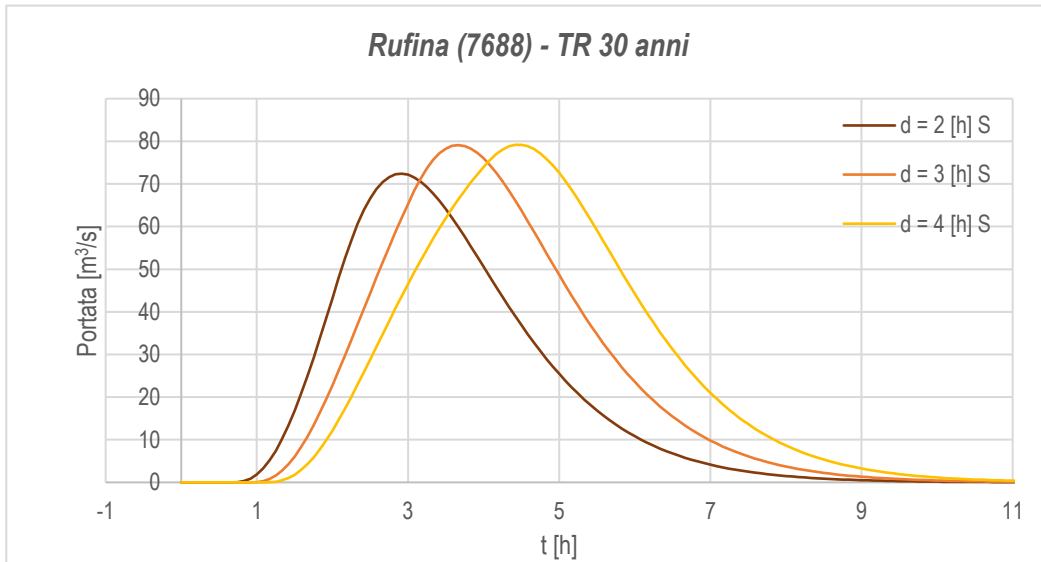
Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

Parametri geomorfologici:

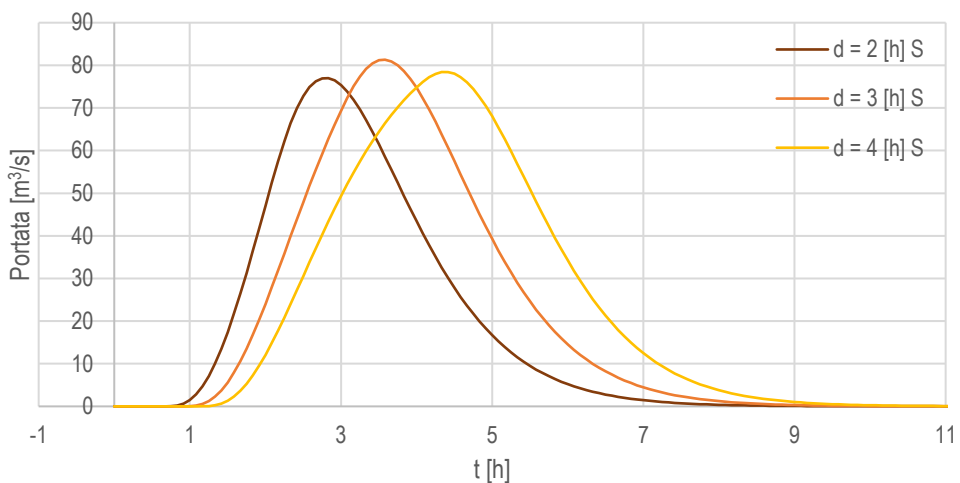
Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	TI [h]
7688	RUFINA	21.22	18.87	0.00	3.07	0.73	2.24
7689	ARGOMENNA	20.17	18.50	0.22	3.48	0.56	1.95
7693	FALGANO	5.62	15.69	0.04	3.15	0.36	1.13

Parametri pluviometrici:

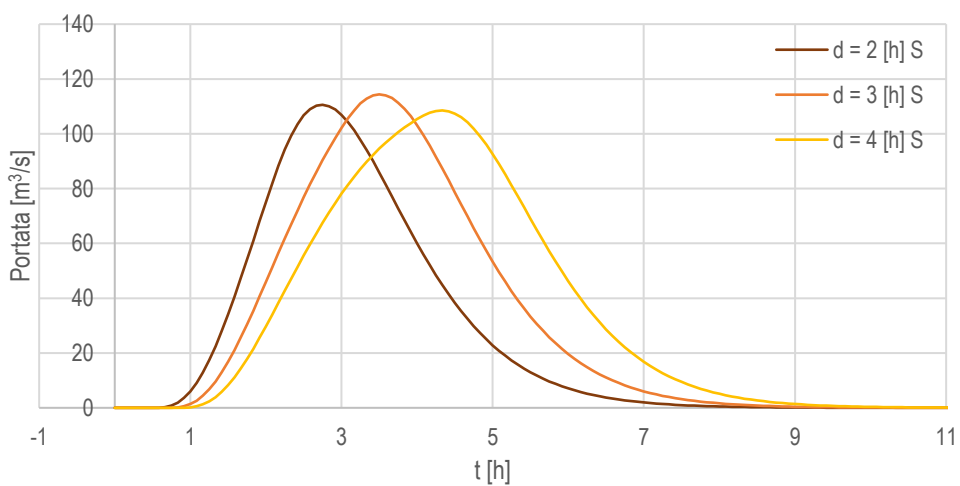
Codice	Nome	TR [anni]	d [h]	Scenario	h _{iorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
7688	RUFINA	30	2.0	S	58.8	0.931	54.7	72.41	760.58
			3.0	S	65.7	0.939	61.7	79.11	907.62
			4.0	S	71.1	0.944	67.1	79.17	1023.02
		200	2.0	S	75.5	0.931	70.3	102.33	1091.18
			3.0	S	85.5	0.939	80.3	110.13	1301.72
			4.0	S	93.4	0.944	88.2	108.82	1468.75
7689	ARGOMENNA	30	2.0	S	57.1	0.931	53.2	76.99	691.28
			3.0	S	63.8	0.938	59.8	81.32	821.33
			4.0	S	69.0	0.943	65.0	78.41	922.36
		200	2.0	S	74.3	0.931	69.2	110.57	1014.06
			3.0	S	84.0	0.938	78.8	114.38	1204.41
			4.0	S	91.7	0.943	86.4	108.52	1354.36
7693	FALGANO	30	2.0	S	59.4	0.981	58.2	36.46	237.75
			3.0	S	66.0	0.983	64.9	31.94	274.69
			4.0	S	71.1	0.984	70.0	26.91	303.36
		200	2.0	S	76.3	0.981	74.8	48.78	330.63
			3.0	S	85.9	0.983	84.4	42.15	384.16
			4.0	S	93.4	0.984	92.0	35.49	426.19

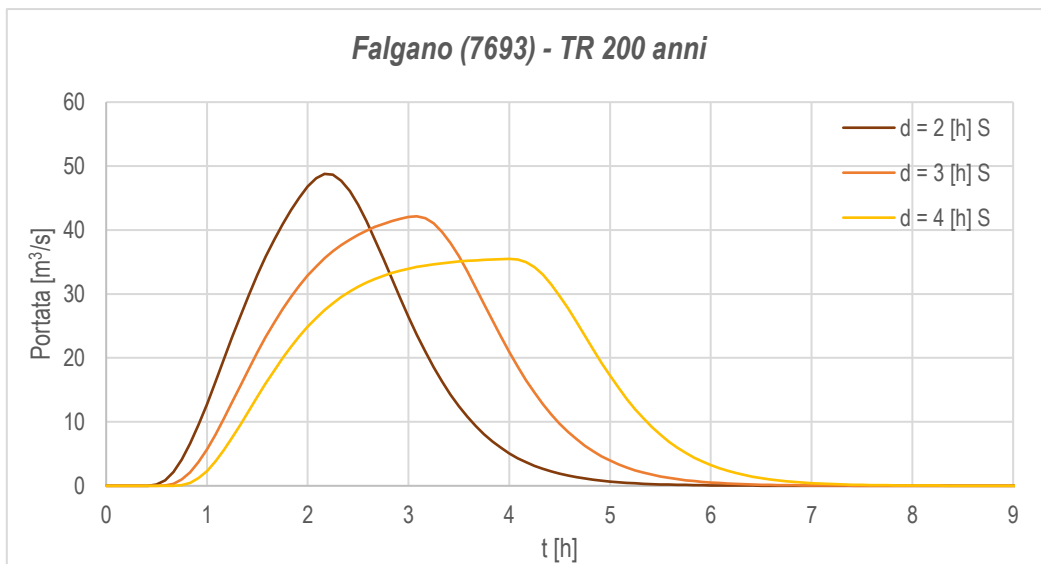
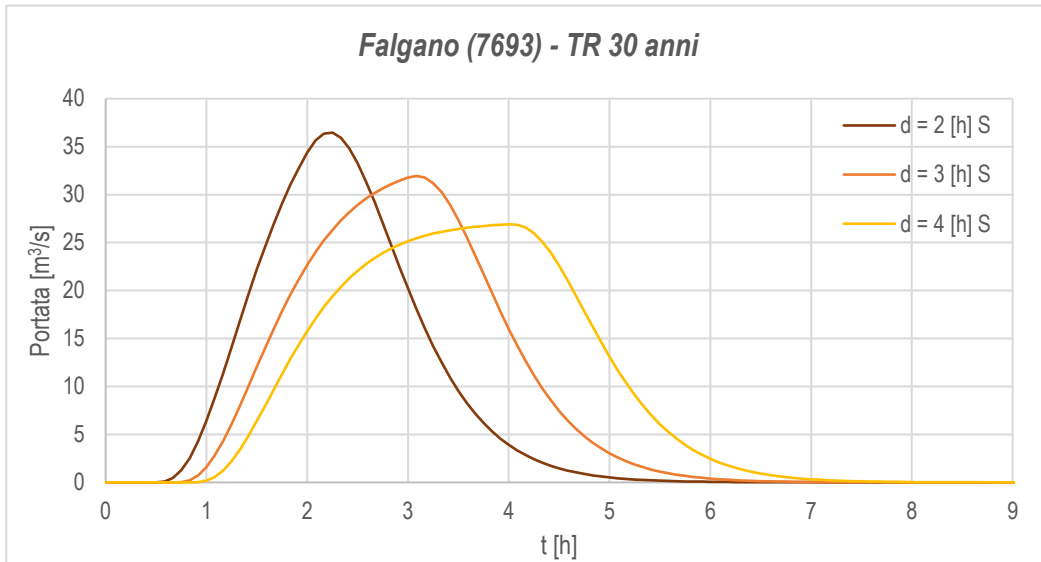


Argomenna (7689) - TR 30 anni

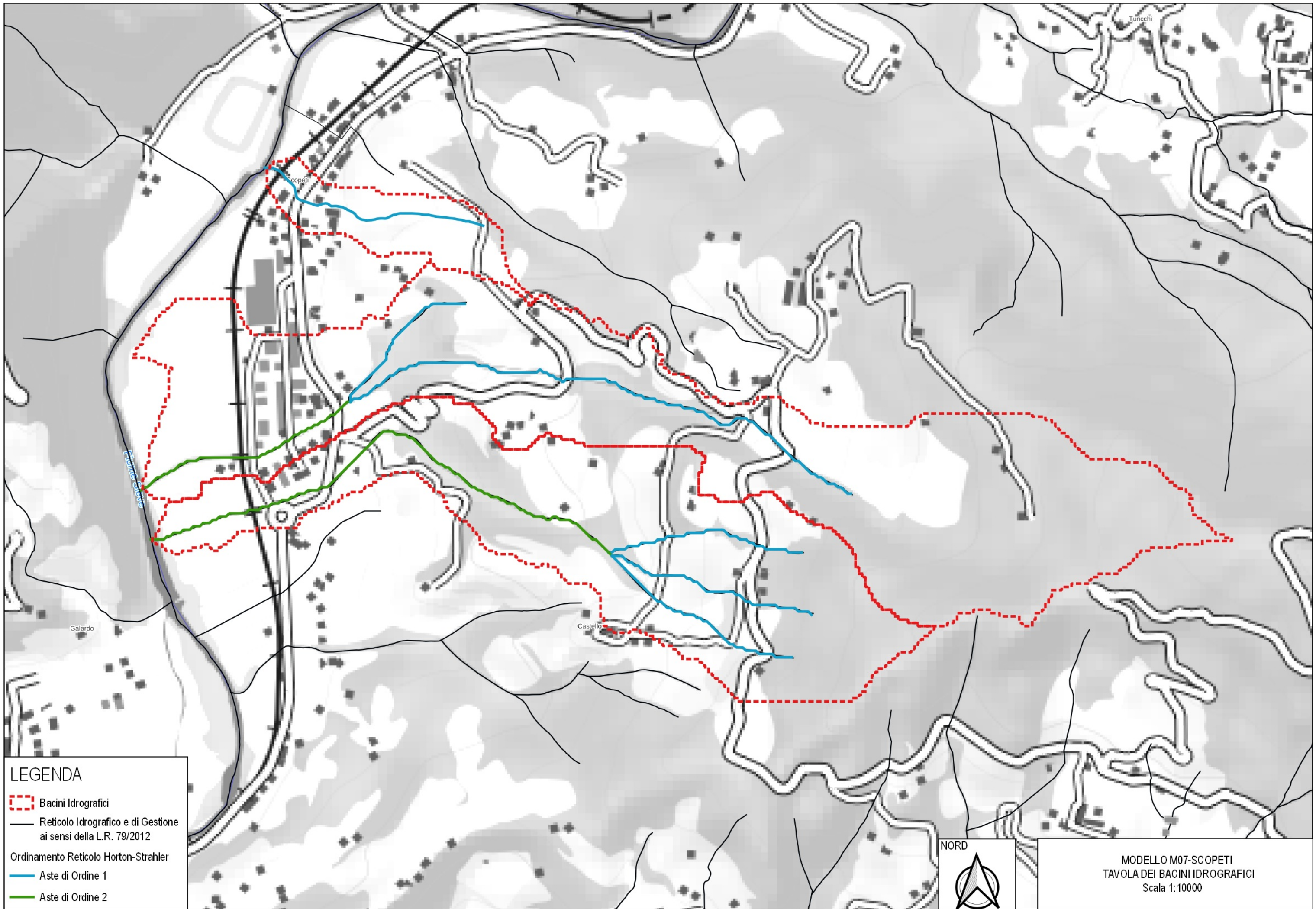


Argomenna (7689) - TR 200 anni



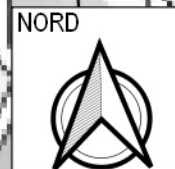


MODELLO 07-SCOPETI



LEGENDA

-  Bacini Idrografici
-  Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Ordinamento Reticolo Horton-Strahler
 -  Aste di Ordine 1
 -  Aste di Ordine 2



MODELLO M07-SCOPETI
TAVOLA DEI BACINI IDROGRAFICI
Scala 1:10000

MODELLO 07 - SCOPETI

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

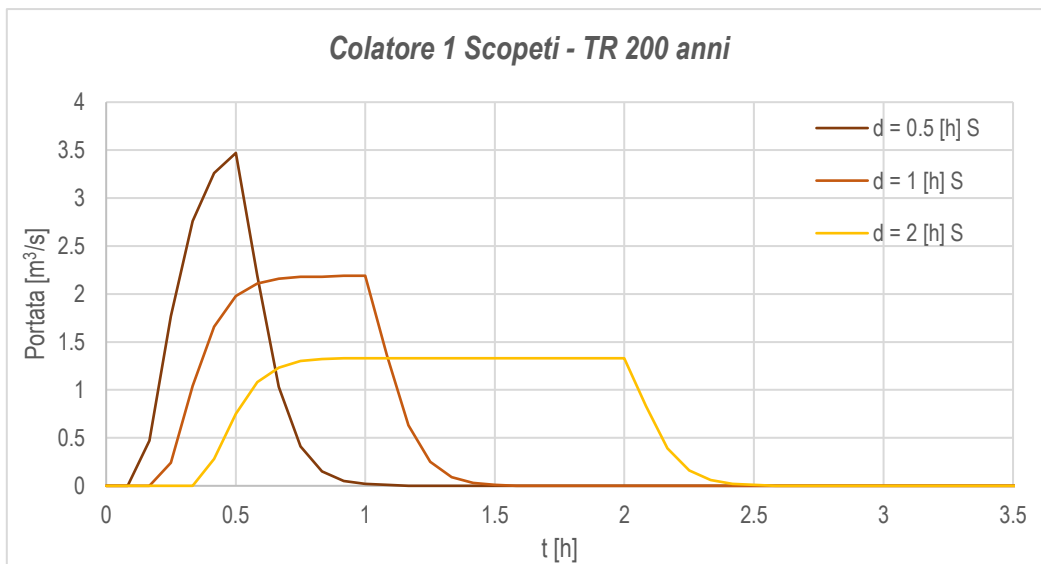
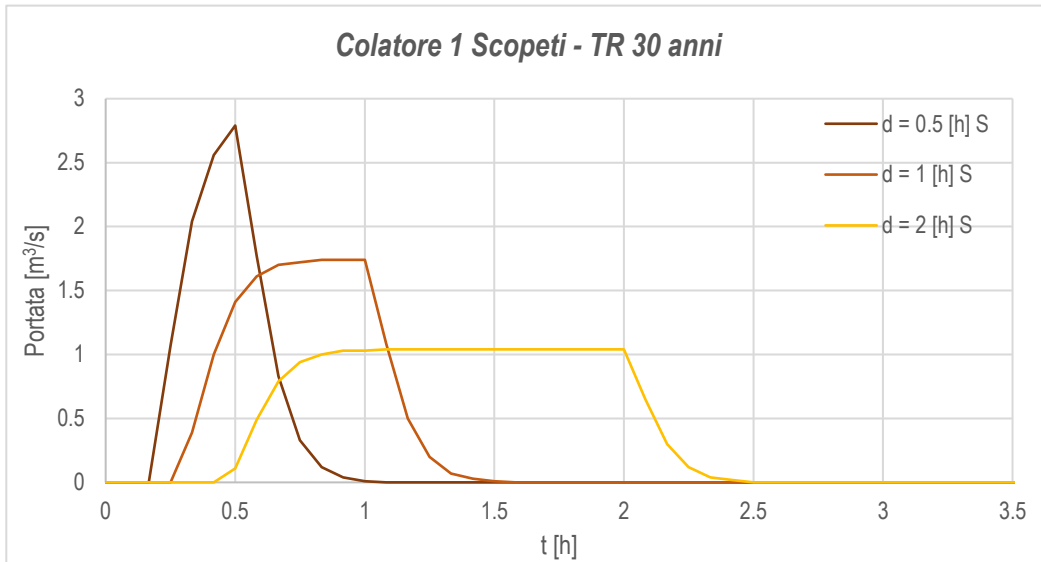
Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

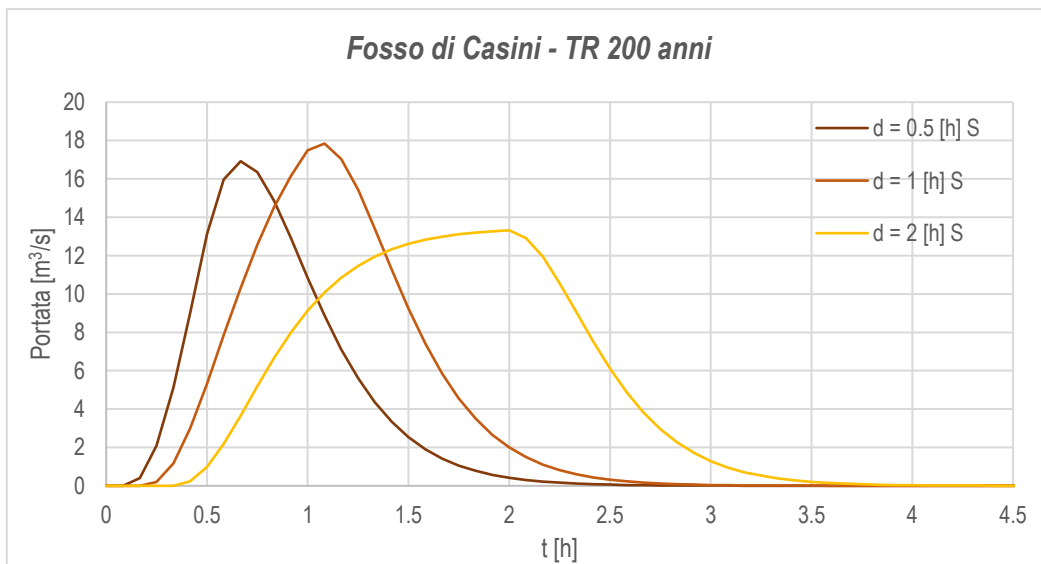
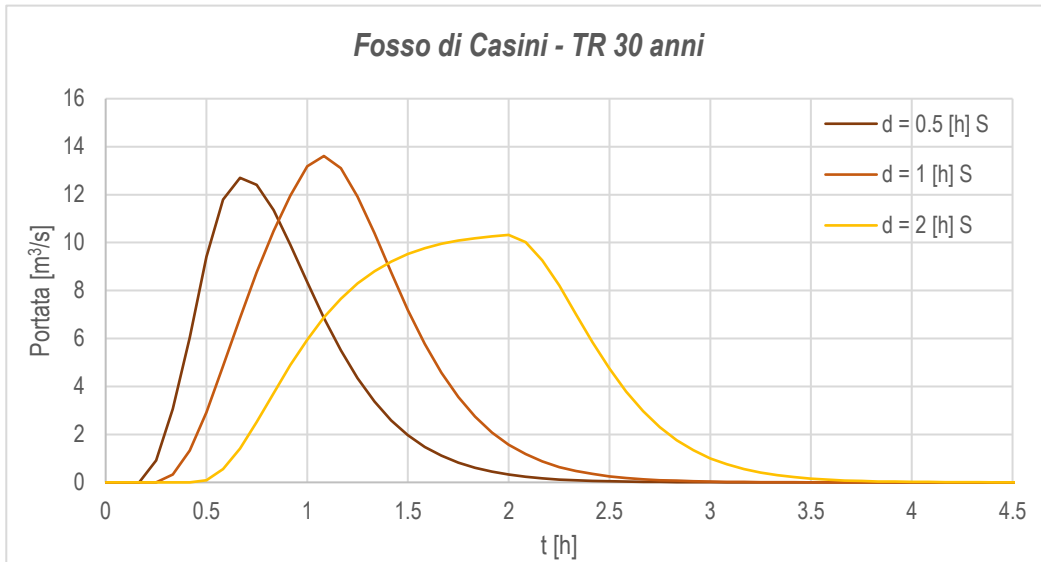
Parametri geomorfologici:

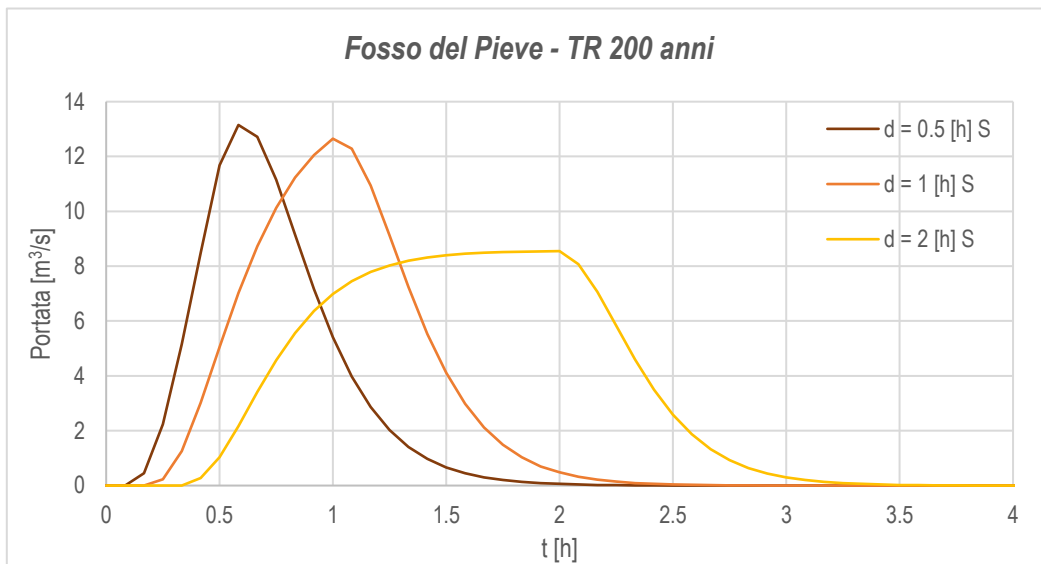
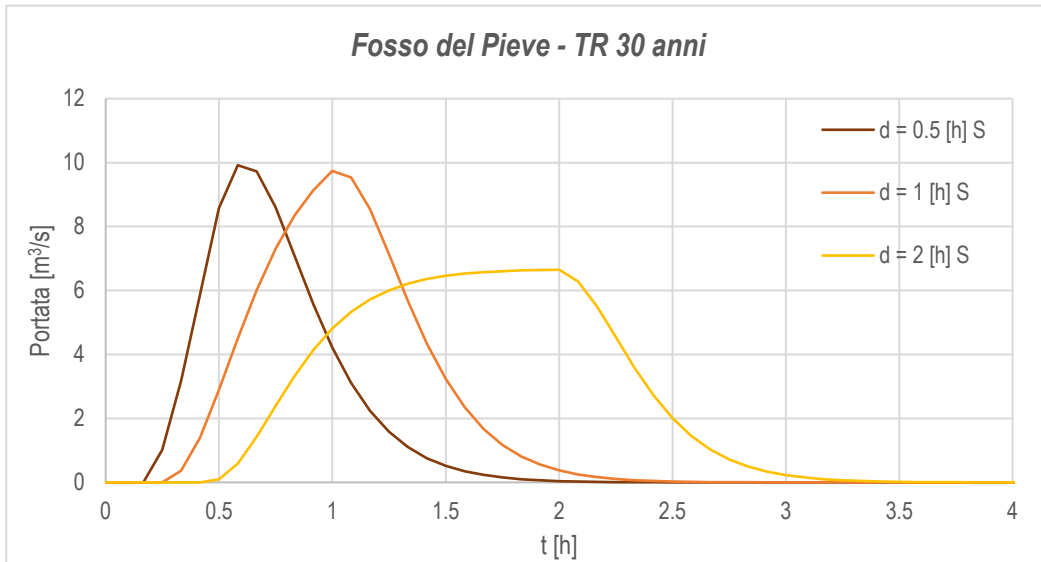
Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	TI [h]
7686A	COLATORE 1 SCOPETI	0.13	13.66	0.00	2.79	0.06	0.17
7686B	FOSSO DI CASINI	1.32	13.66	0.00	2.79	0.21	0.57
7686C	FOSSO DEL PIEVE	0.84	13.66	0.00	2.79	0.16	0.45

Parametri pluviometrici:

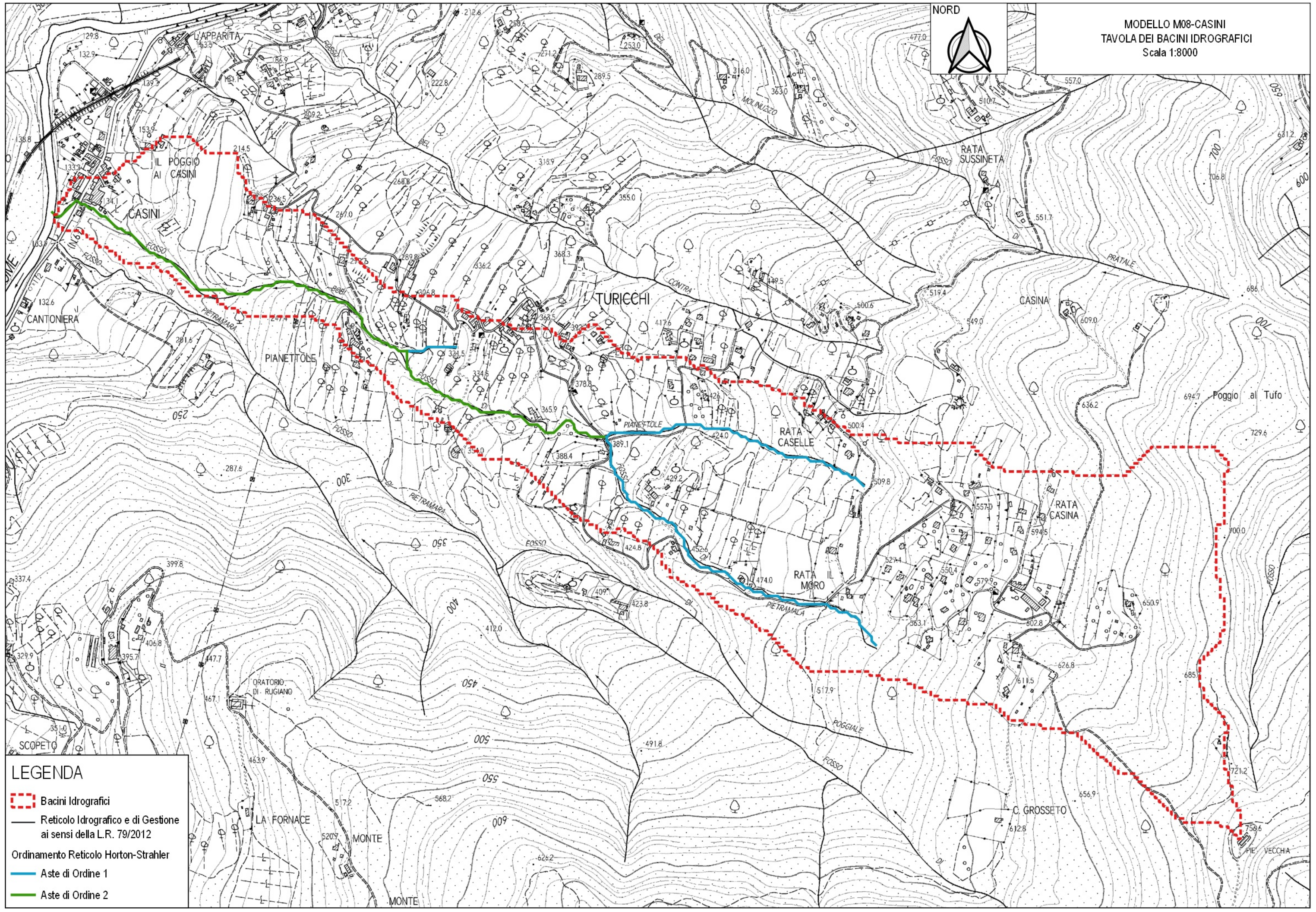
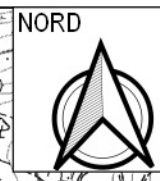
Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
7686A	COLATORE 1 SCOPETI	30	0.5	S	40.4	0.999	40.3	2.79	3.468
			1.0	S	48.1	0.999	48.1	1.74	4.482
			2.0	S	57.4	1.000	57.4	1.04	5.7
		200	0.5	S	49.6	0.999	49.6	3.47	4.677
			1.0	S	60.5	0.999	60.5	2.19	6.09
			2.0	S	73.8	1.000	73.8	1.33	7.815
7686B	FOSSO DI CASINI	30	0.5	S	40.4	0.994	40.1	12.7	34.85
			1.0	S	48.1	0.994	47.9	13.61	45.09
			2.0	S	57.4	0.995	57.2	10.32	57.34
		200	0.5	S	49.6	0.994	49.3	16.92	47.00
			1.0	S	60.5	0.994	60.2	17.84	61.31
			2.0	S	73.8	0.995	73.4	13.32	78.80
7686C	FOSSO DEL PIEVE	30	0.5	S	40.4	0.996	40.2	9.92	22.24
			1.0	S	48.1	0.996	48.0	9.74	28.75
			2.0	S	57.4	0.997	57.3	6.65	50.21
		200	0.5	S	49.6	0.996	49.4	13.15	29.99
			1.0	S	60.5	0.996	60.3	12.65	39.10
			2.0	S	73.8	0.997	73.6	8.55	50.21









MODELLO 08-CASINI



LEGENDA

-  Bacini Idrografici
-  Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Ordinamento Reticolo Horton-Strahler
-  Aste di Ordine 1
-  Aste di Ordine 2

MODELLO 08 - CASINI

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

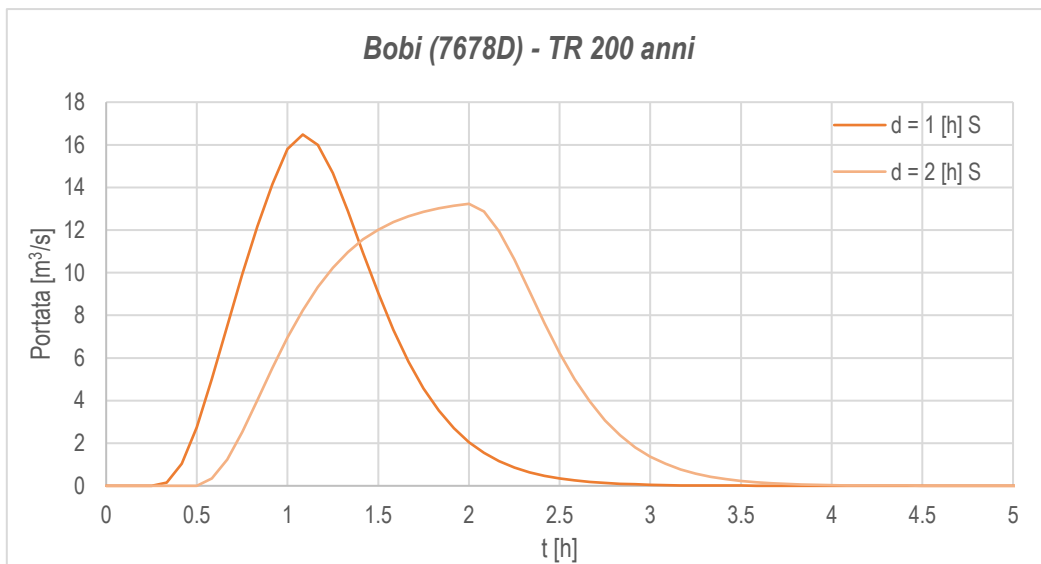
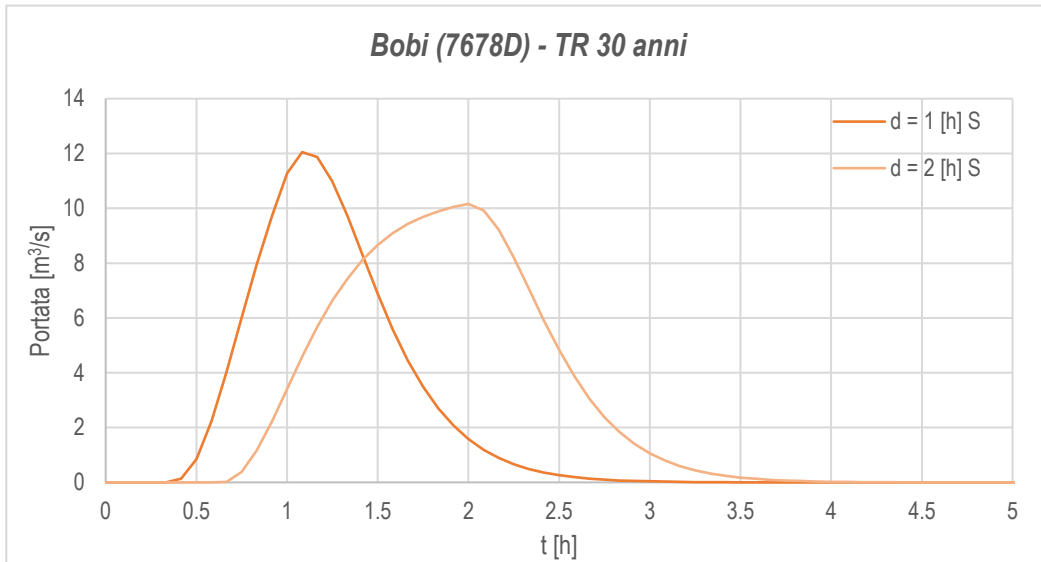
Parametri geomorfologici:

Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	Tl [h]
7678D	BOBI	1.36	18.39	0.00	2.79	0.21	0.58

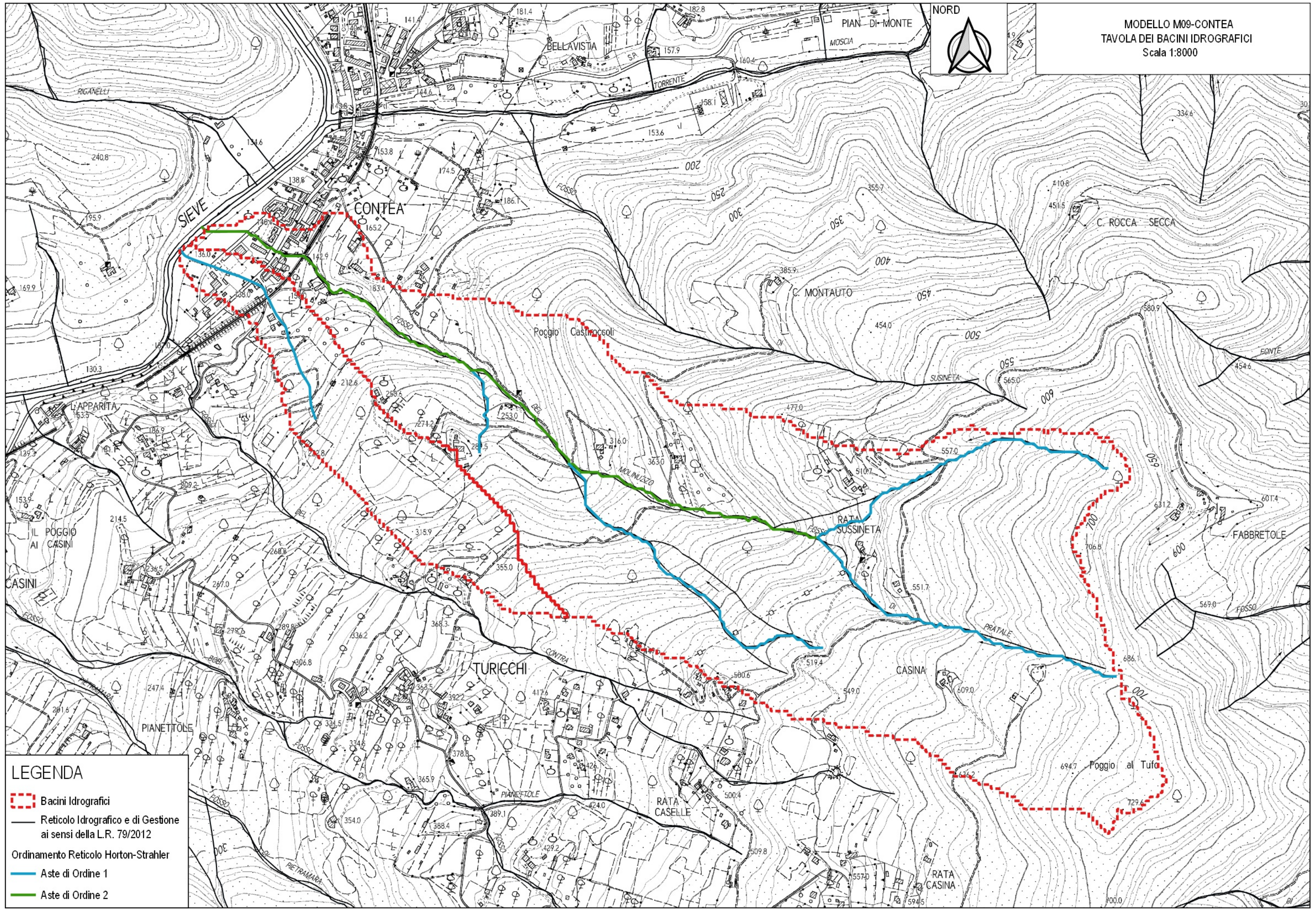
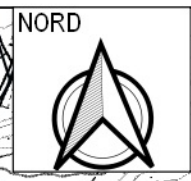
Parametri pluviometrici:

Idrogrammi di piena:


Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
8202M	BOBI	30	1.0	S	46.6	0.994	46.4	12.05	37.93
			2.0	S	55.9	0.995	55.6	10.16	50.51
		200	1.0	S	58.6	0.994	58.3	16.48	54.10
			2.0	S	71.8	0.995	71.5	13.23	72.02



MODELLO 09-CONTEA



LEGENDA

-  Bacini Idrografici
-  Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Ordinamento Reticolo Horton-Strahler
-  Aste di Ordine 1
-  Aste di Ordine 2

MODELLO 09 - CONTEA

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

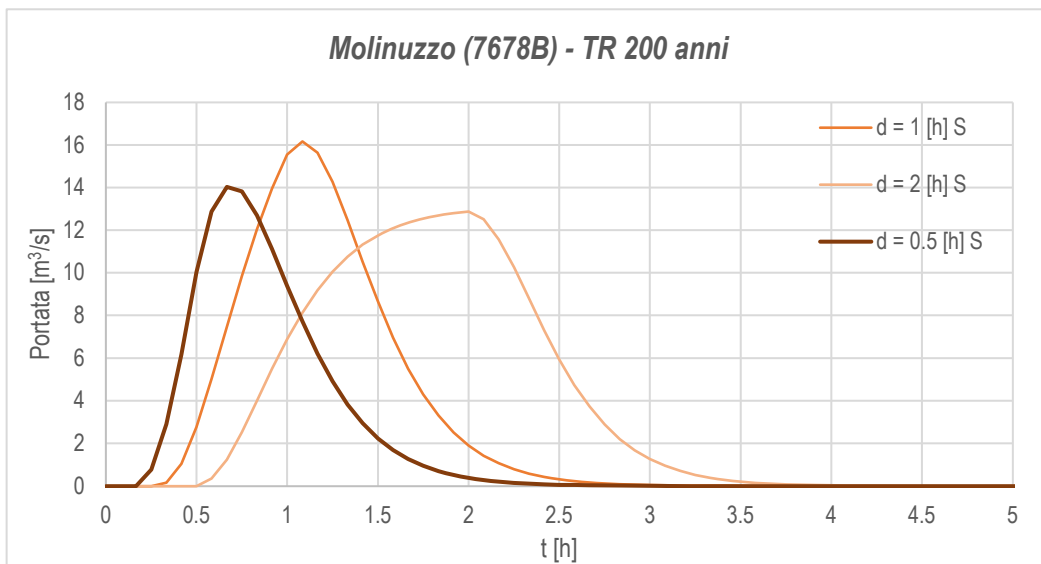
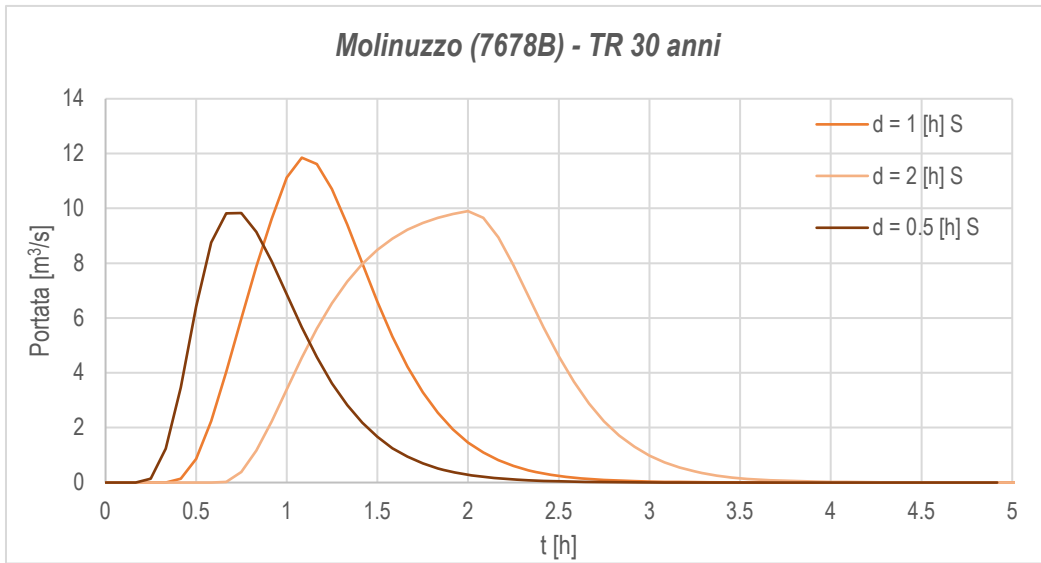
Parametri geomorfologici:

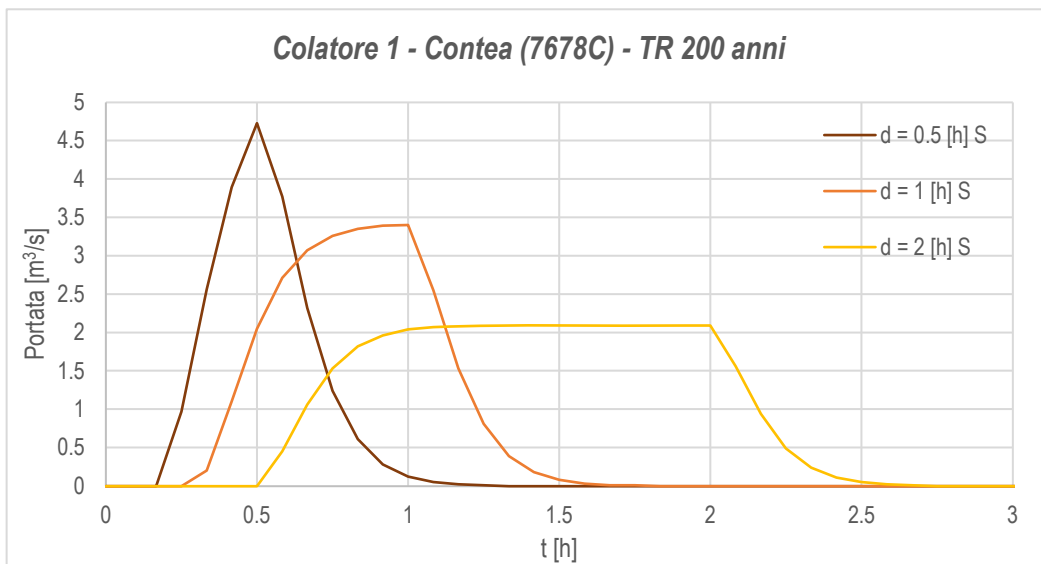
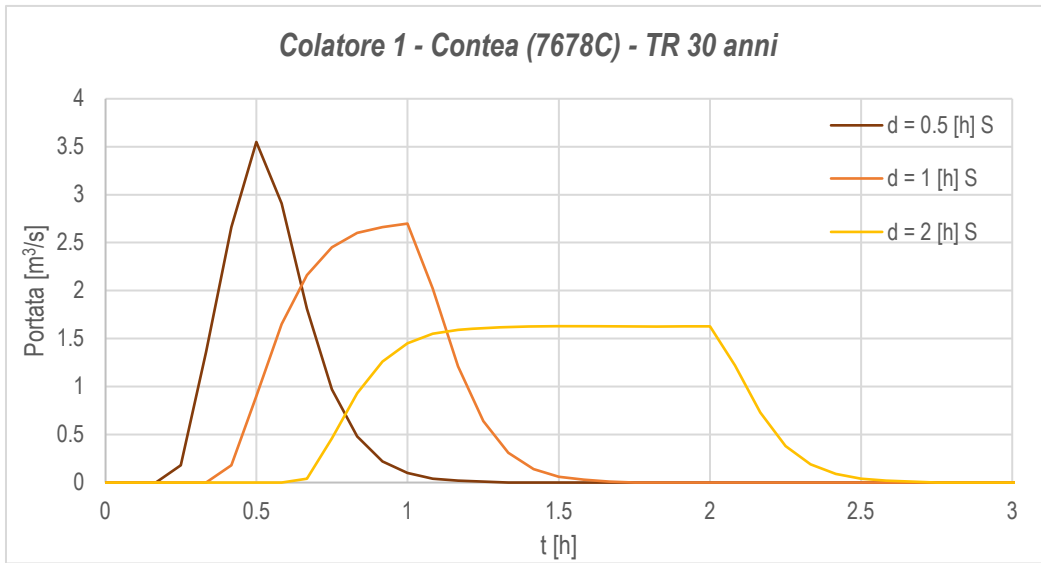
Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	TI [h]
7678B	MOLINUZZO	1.32	18.39	0.00	2.79	0.21	0.57
7678C	COLATORE 1 CONTEA	0.21	18.39	0.00	2.79	0.08	0.22

Parametri pluviometrici:

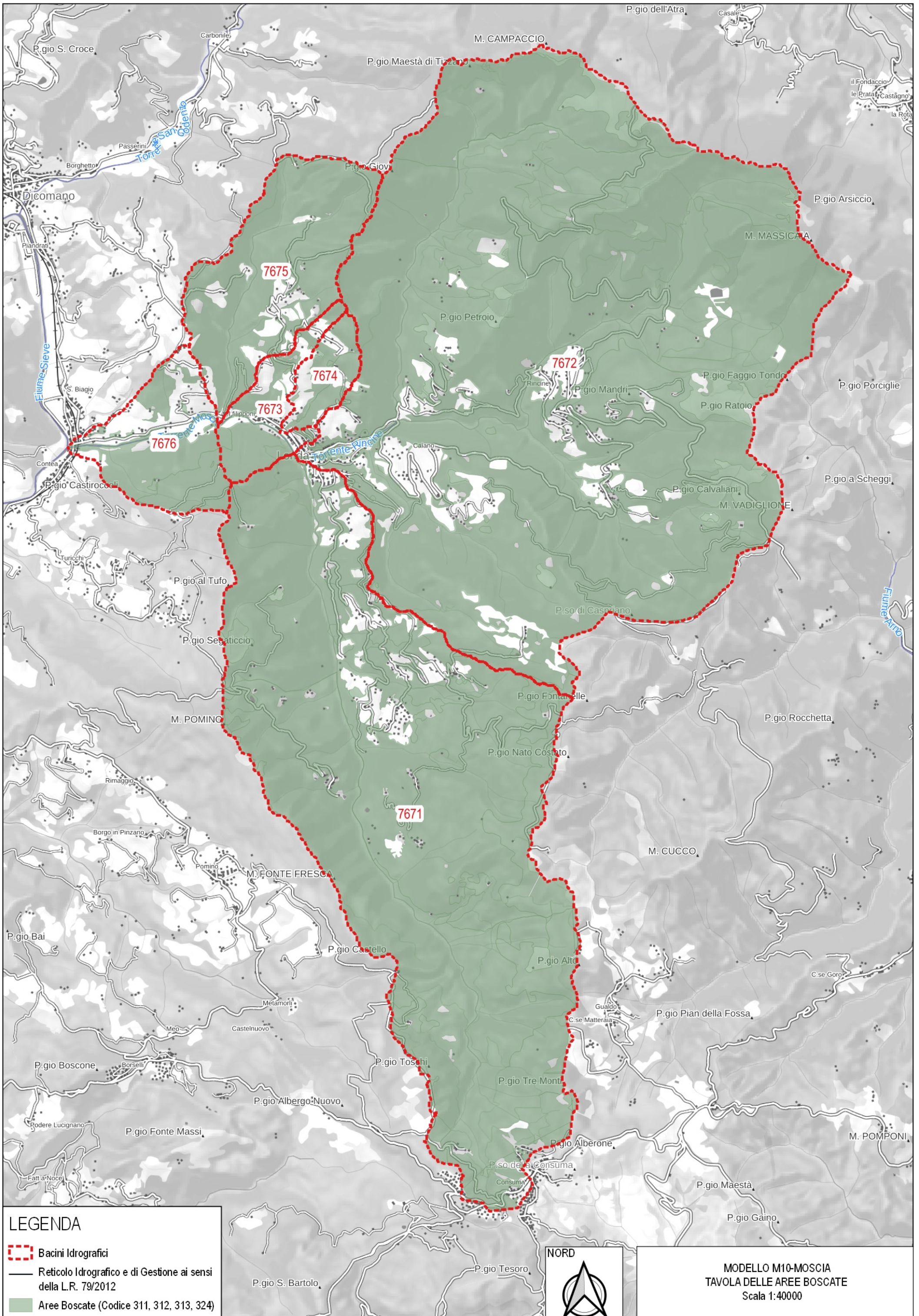
Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
7678B	MOLINUZZO	30	0.5	S	38.9	0.993	38.6	9.83	26.70
			1.0	S	46.6	0.994	46.4	11.85	36.87
			2.0	S	55.9	0.995	55.6	9.90	49.09
		200	0.5	S	47.8	0.993	47.5	14.03	38.40
			1.0	S	58.6	0.994	58.3	16.17	52.58
			2.0	S	71.8	0.995	71.5	12.88	69.98
7678C	COLATORE 1 CONTEA	30	0.5	S	38.9	0.999	38.8	3.55	4.29
			1.0	S	46.6	0.999	46.6	2.70	5.92
			2.0	S	55.9	0.999	55.8	1.63	7.87
		200	0.5	S	47.8	0.999	47.8	4.73	6.17
			1.0	S	58.6	0.999	58.6	3.40	8.44
			2.0	S	71.8	0.999	71.8	2.09	11.20





MODELLO 10-MOSCIA



MODELLO 10 - MOSCIA

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

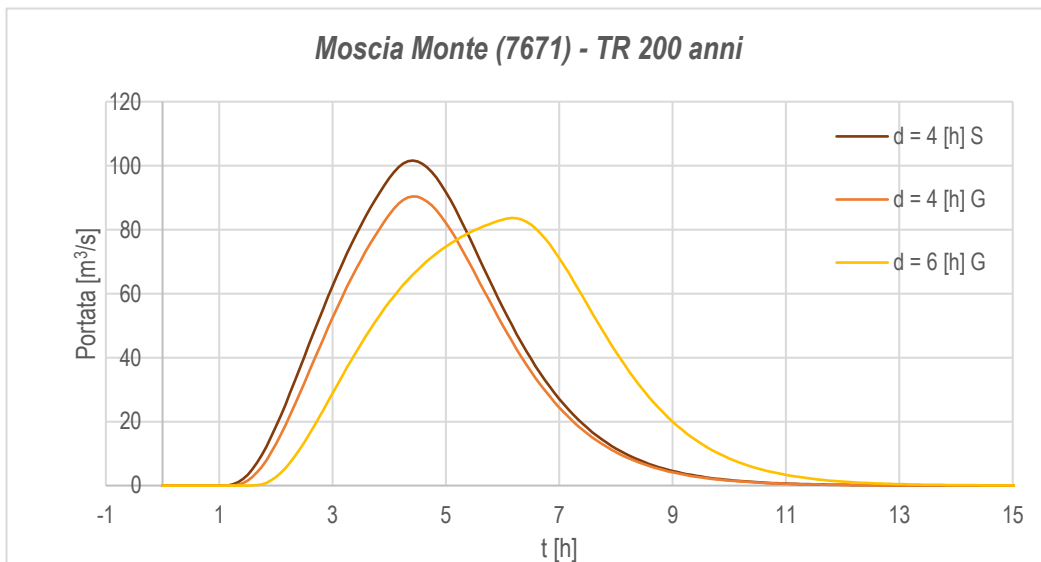
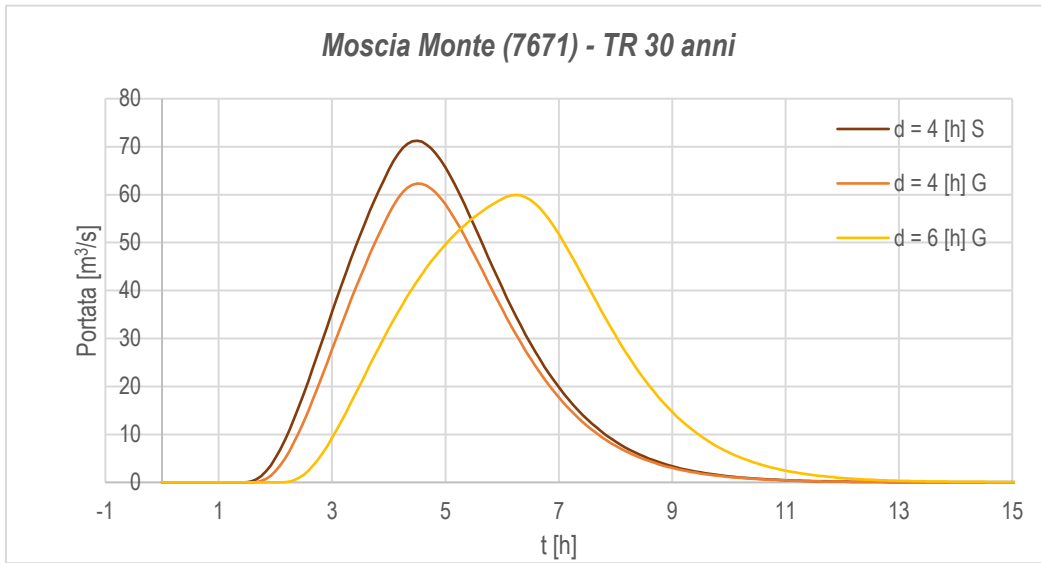
Parametri geomorfologici:

Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	TI [h]
7671	MOSCIA MONTE	21.56	23.36	0.46	2.85	0.78	2.23
7672	RINCINE	33.32	22.92	0.46	3.27	0.71	2.34
7673	MOSCIA INTERBACINO 1	1.24	17.06	0.46	2.79	0.11	0.30
7674	OLMO	0.75	17.21	0.46	2.32	0.18	0.41
7675	SESSOLE	4.02	22.04	0.46	2.80	0.32	0.91
7676	MOSCIA INTERBACINO 2	2.72	15.10	0.46	2.79	0.11	0.30

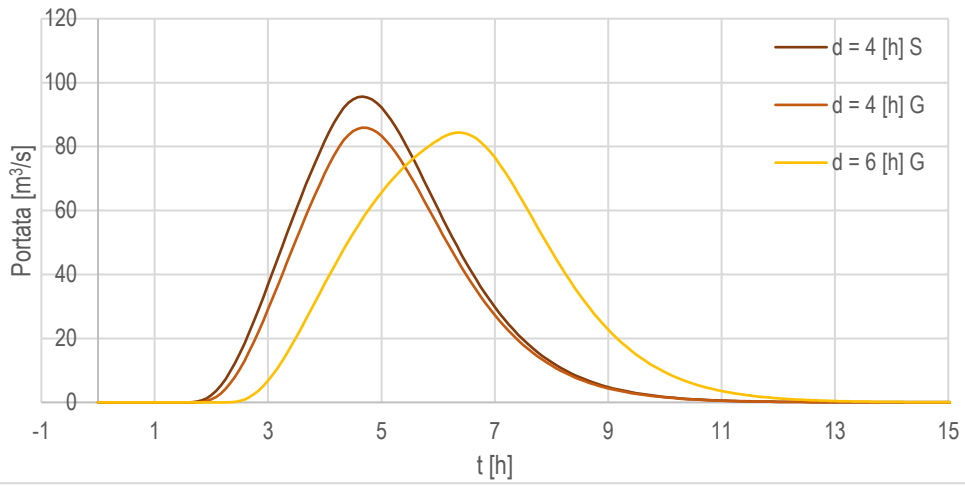
Parametri pluviometrici:

Idrogrammi di piena:

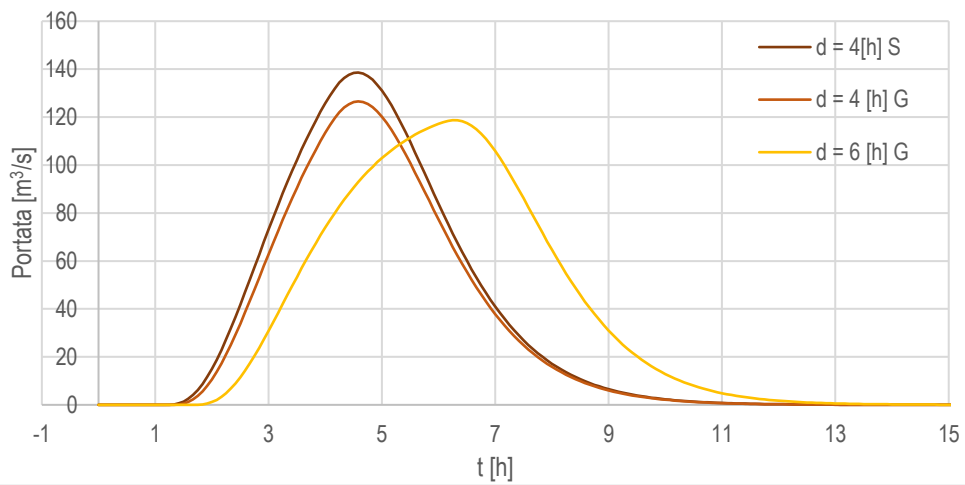
Codice	Nome	TR [anni]	d [h]	Scenario	h _{iorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
7671	MOSCIA MONTE	30	4.0	S	70.4	0.941	66.3	71.23	884.97
			4.0	G	70.4	0.857	60.4	62.31	757.80
			6.0	G	79.0	0.875	69.1	59.93	925.69
		200	4.0	S	92.5	0.941	87.0	101.59	1332.40
			4.0	G	92.5	0.857	79.3	90.39	1165.38
			6.0	G	105.1	0.875	91.9	83.65	1417.25
7672	RINCINE	30	4.0	S	53.9	0.889	47.9	95.64	1164.98
			4.0	G	65.9	0.845	55.7	85.93	1029.63
			6.0	G	74.0	0.862	63.9	84.40	1271.70
		200	4.0	S	69.3	0.889	61.6	138.58	1788.36
			4.0	G	86.5	0.845	73.1	126.55	1610.66
			6.0	G	98.5	0.862	84.9	118.71	1974.15
7673	MOSCIA INTERBACINO 1	30	4.0	G	65.7	0.849	55.8	4.61	45.37
			6.0	G	73.2	0.867	63.4	3.45	53.59
		200	4.0	G	86.2	0.849	73.3	6.10	66.85
			6.0	G	97.4	0.867	84.4	4.65	79.44
7674	OLMO	30	1.0	S	45.0	0.997	44.9	7.70	20.23
			4.0	G	65.5	0.848	55.6	2.78	27.18
			6.0	G	73.2	0.866	63.3	2.08	32.18
		200	1.0	S	56.6	0.997	56.4	10.23	28.81
			4.0	G	86.1	0.848	73.0	3.68	40.14
			6.0	G	97.3	0.866	84.2	2.80	47.73
7675	SESSOLE	30	4.0	G	65.2	0.846	55.1	14.60	125.45
			6.0	G	72.9	0.863	62.9	11.18	153.12
		200	4.0	G	85.6	0.846	72.4	19.55	194.79
			6.0	G	97.0	0.863	83.7	15.05	236.55
7676	MOSCIA INTERBACINO 2	30	4.0	G	66.0	0.851	56.2	10.22	106.29
			6.0	G	73.5	0.868	63.8	7.66	124.49
		200	4.0	G	86.7	0.851	73.8	13.53	153.95
			6.0	G	97.7	0.868	84.9	10.30	181.54

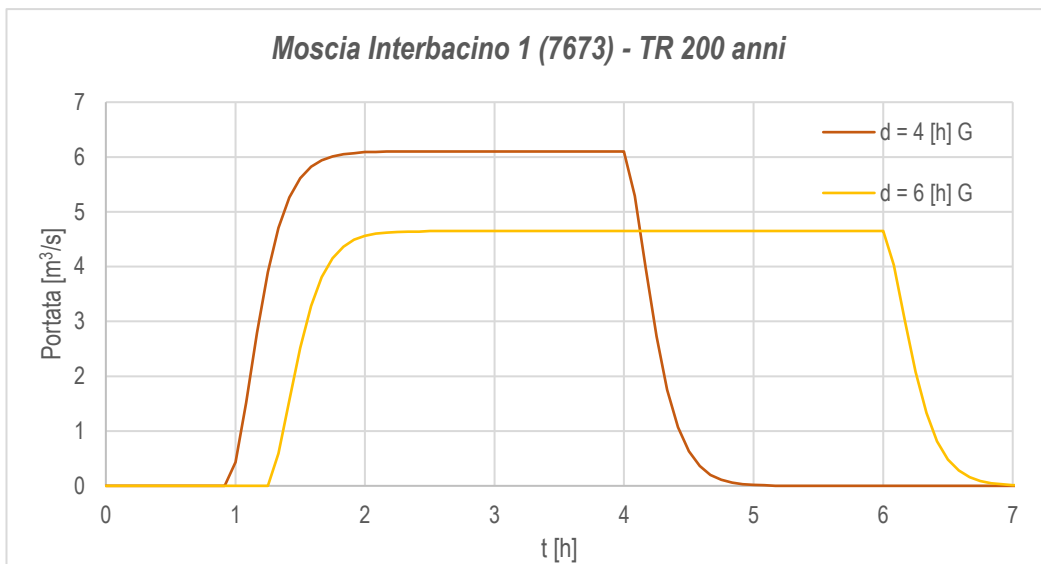
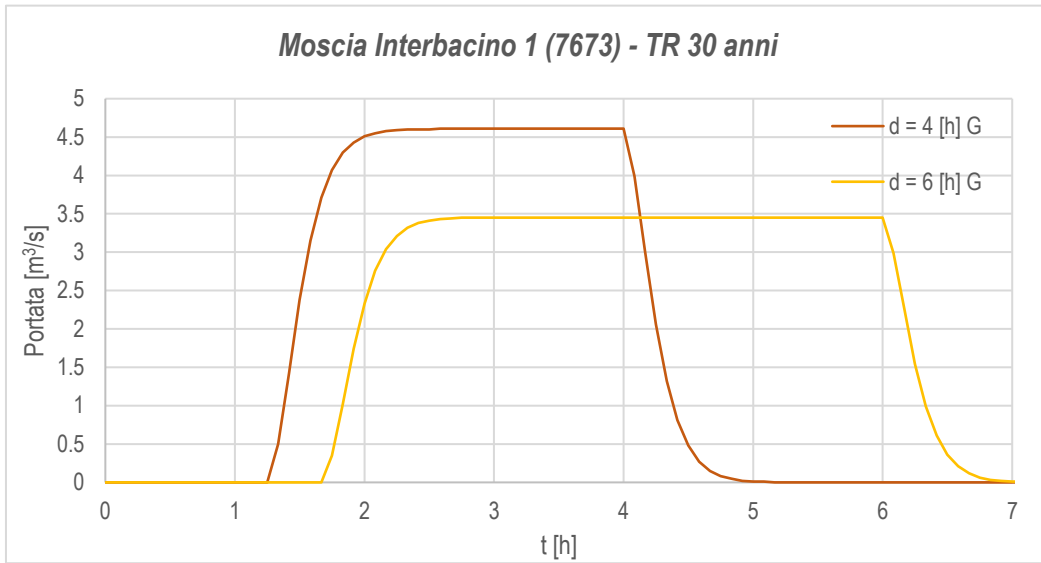


Rincine (7672) - TR 30 anni

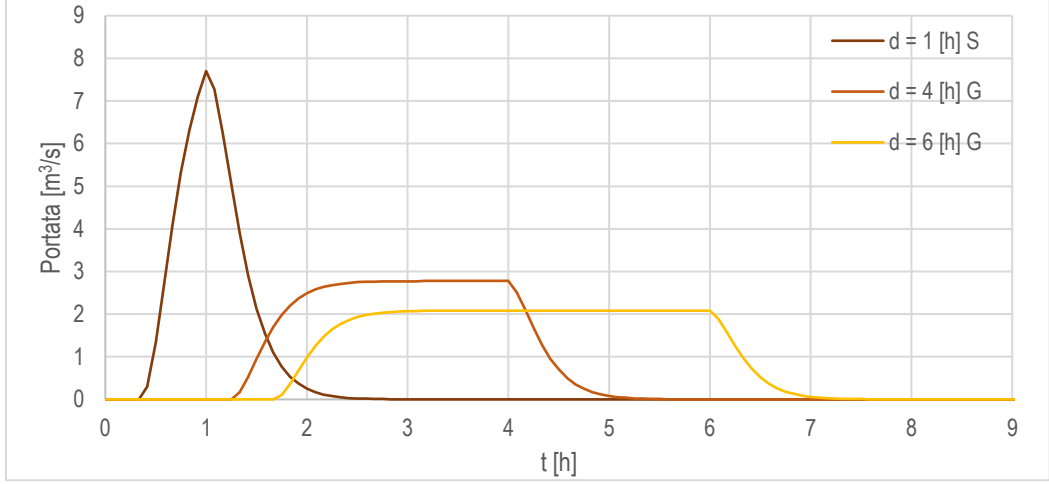


Rincine (7672) - TR 200 anni

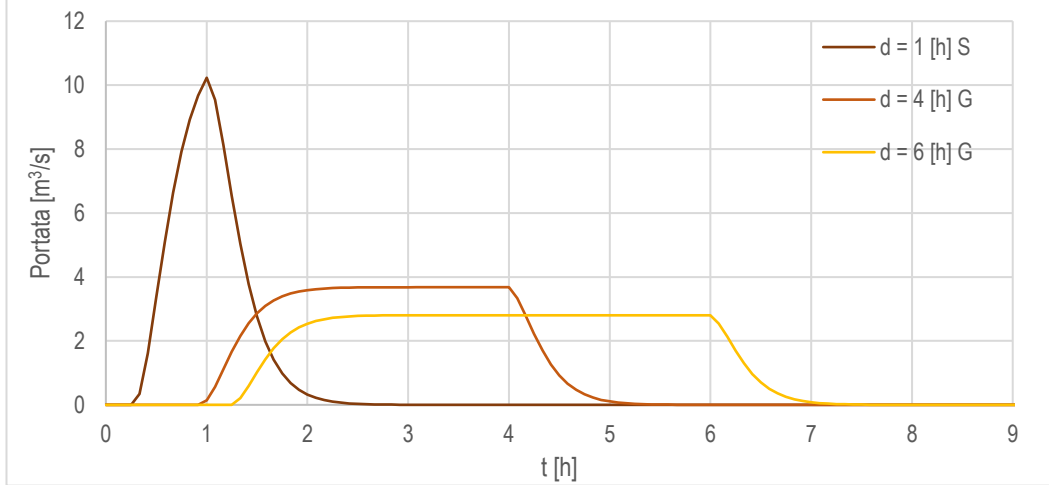


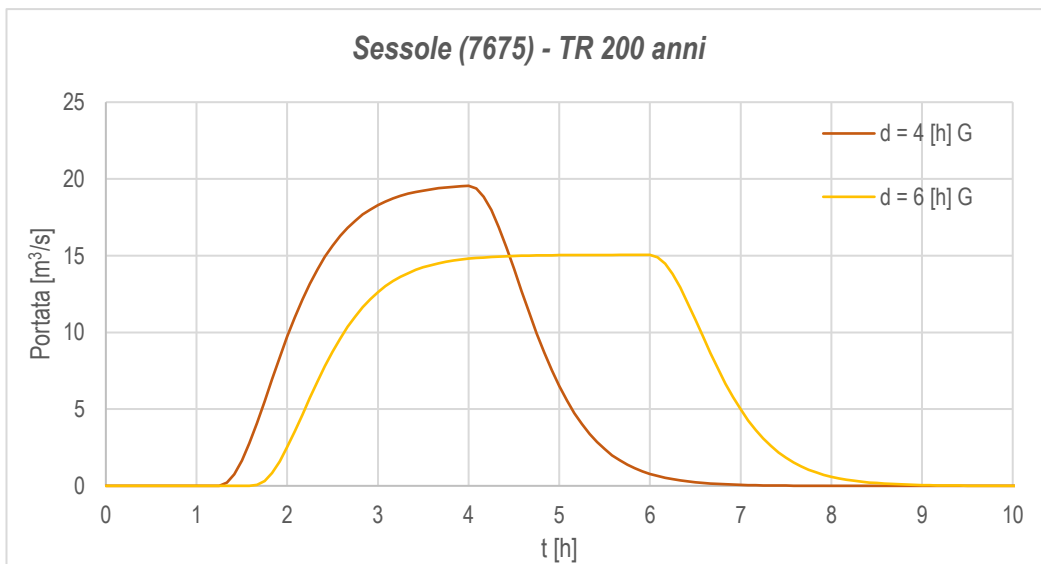
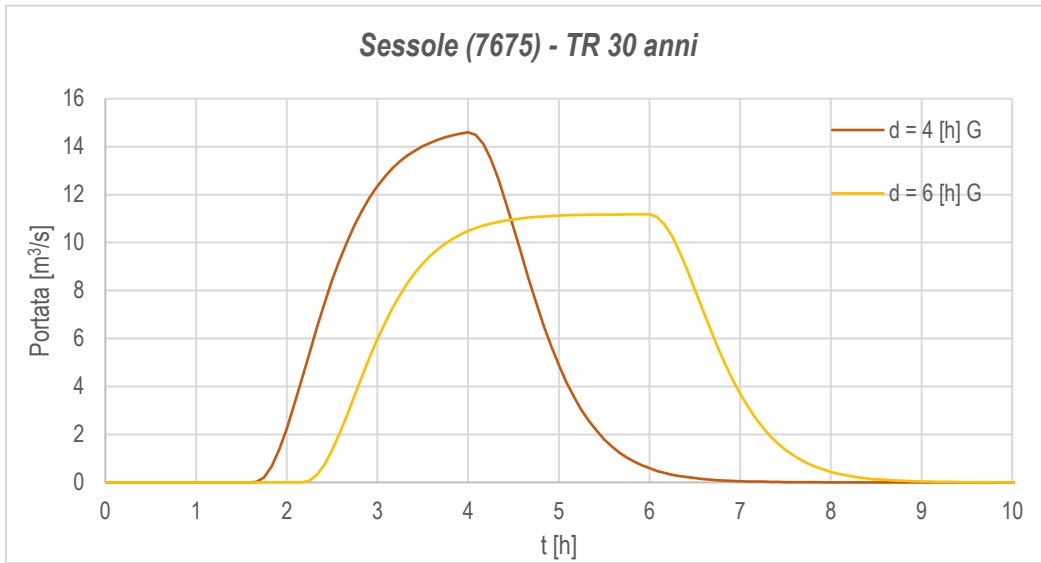


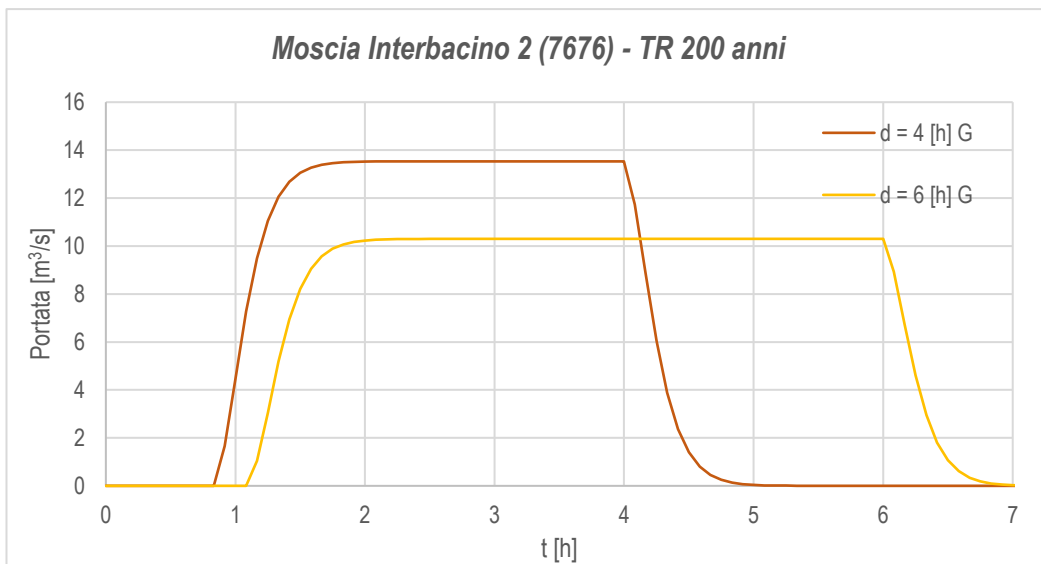
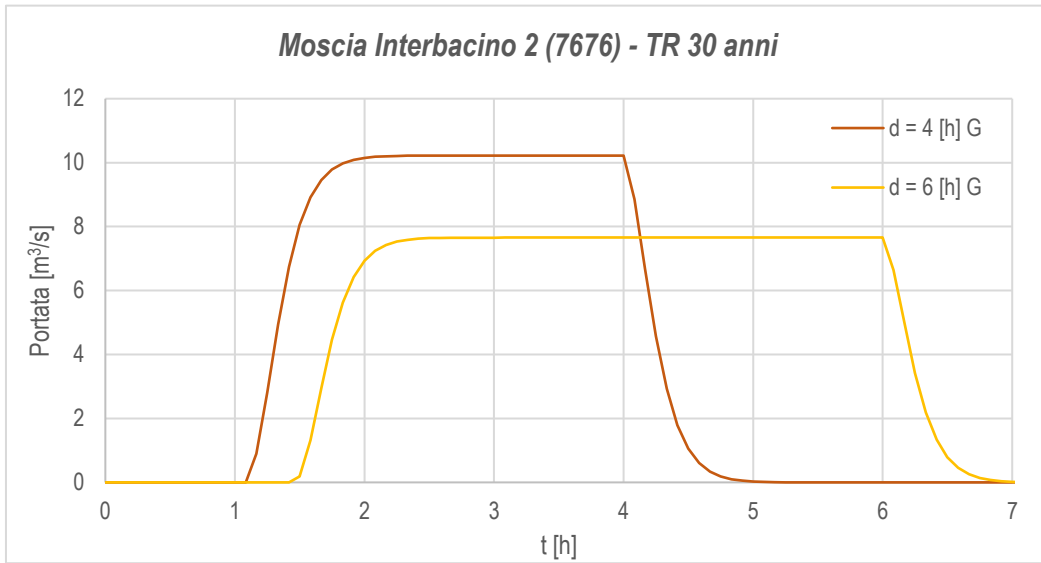
Olmo (7674) - TR 30 anni



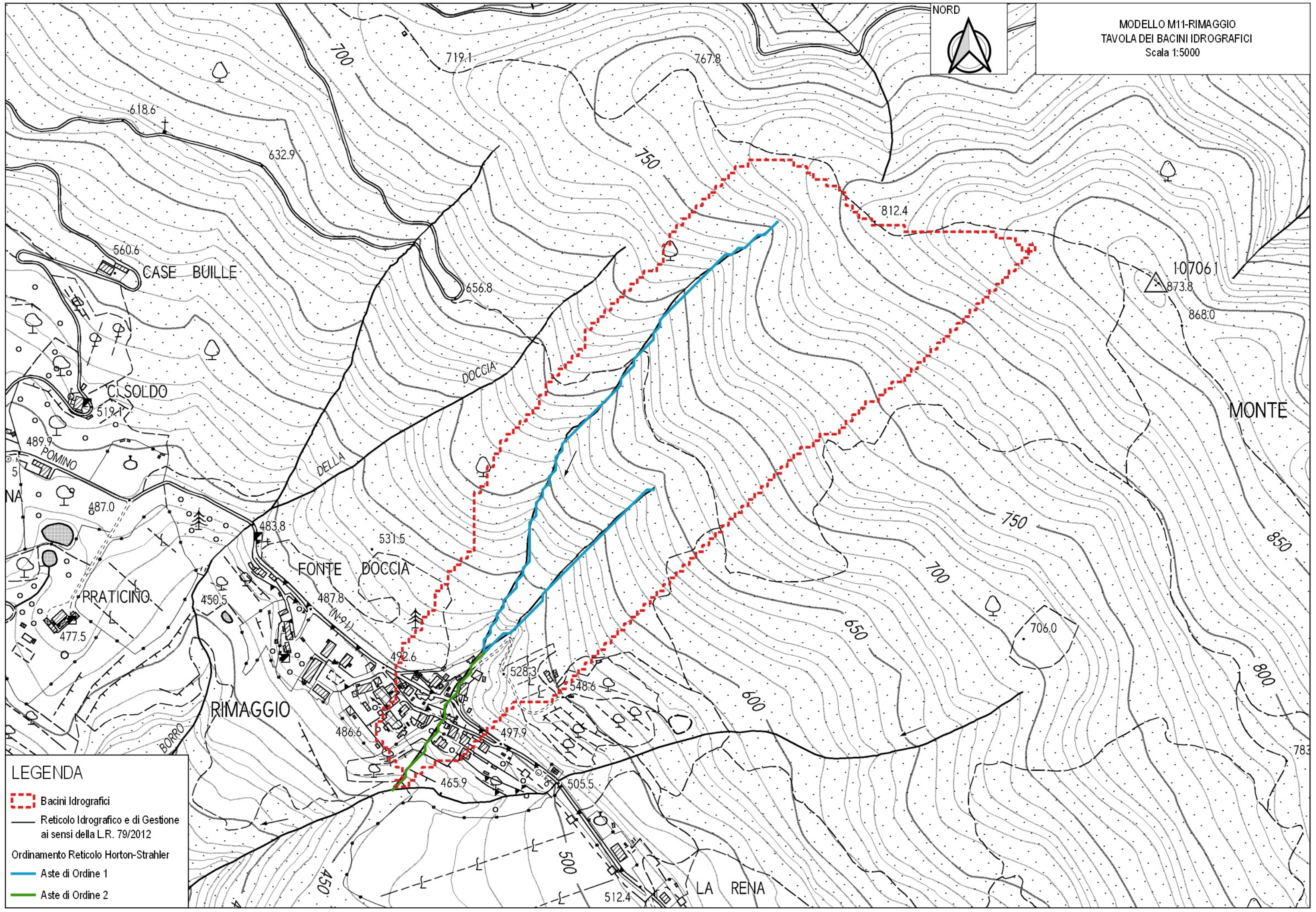
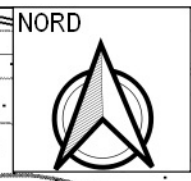
Olmo (7674) - TR 200 anni







MODELLO 11-RIMAGGIO



LEGENDA

- Bacini Idrografici
- Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Ordinamento Reticolo Horton-Strahler
- Aste di Ordine 1
- Aste di Ordine 2

MODELLO 11- RIMAGGIO

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

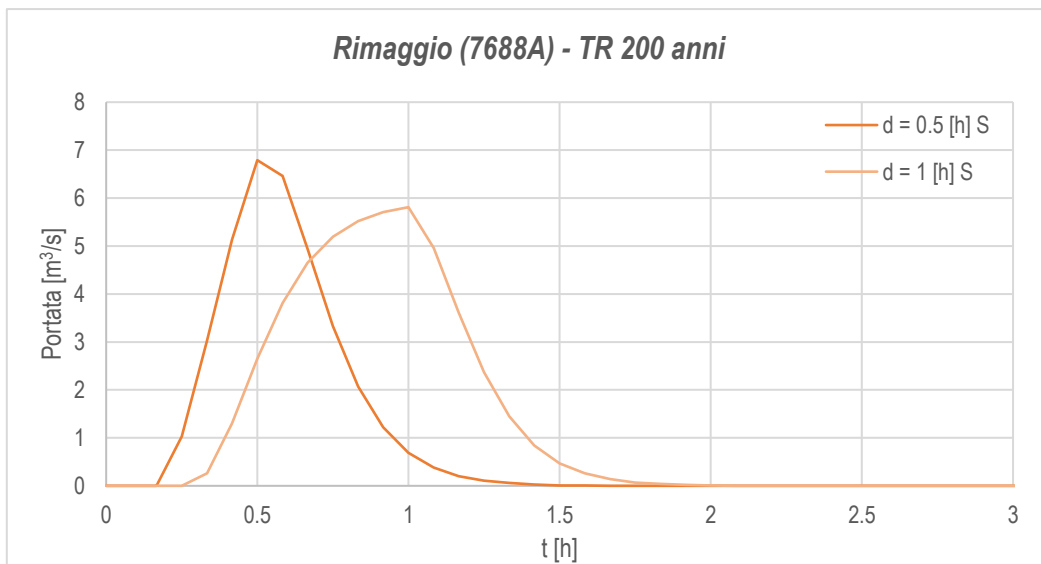
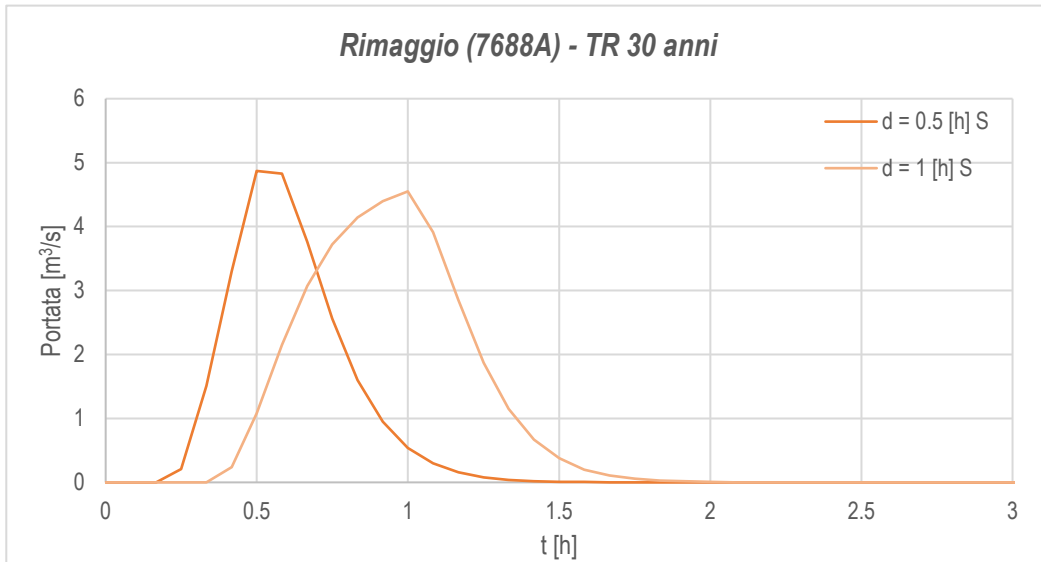
Parametri geomorfologici:

Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	Tl [h]
7688A	COLATORE 1 RIMAGGIO	0.35	18.87	0.00	2.79	0.10	0.28

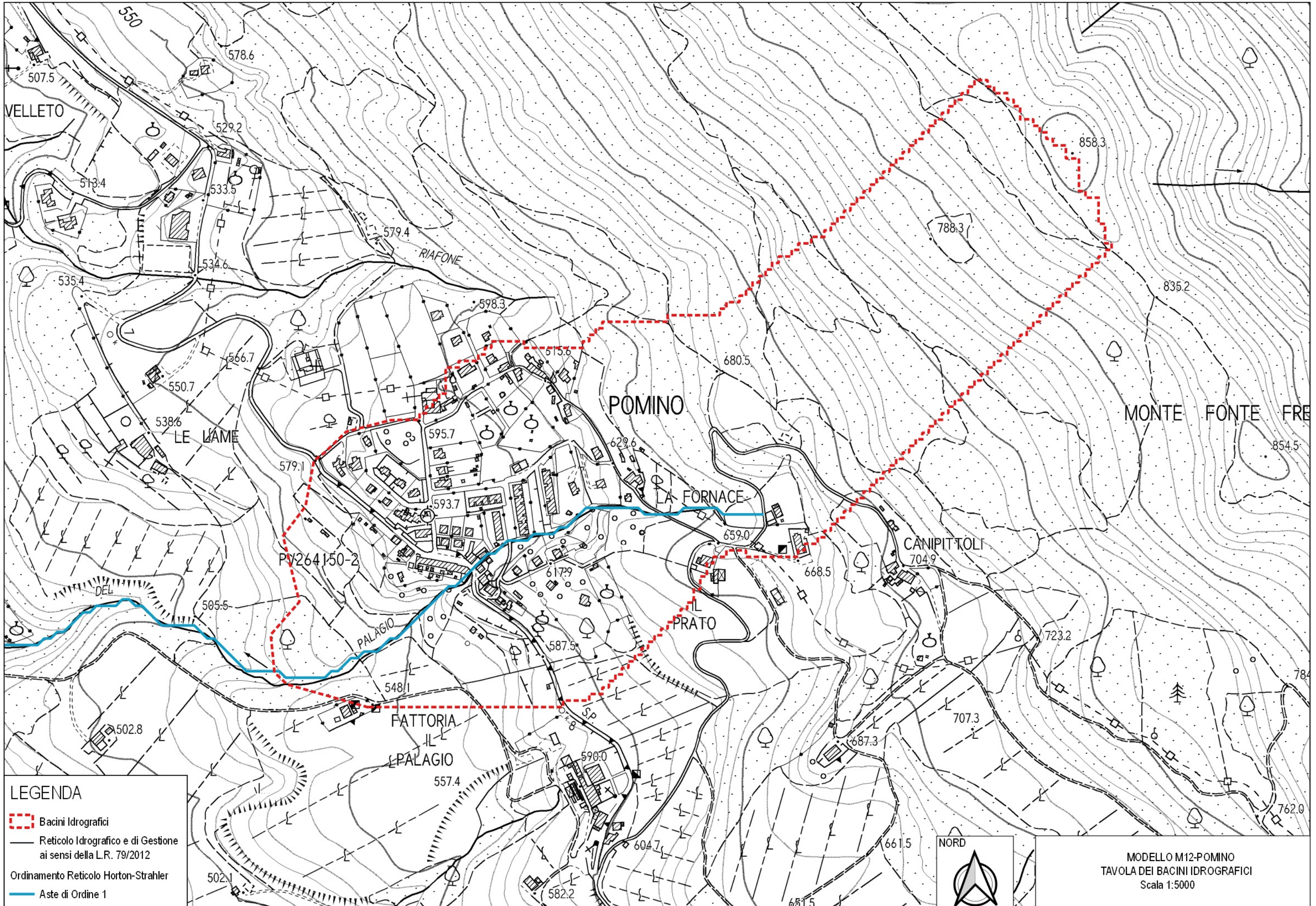
Parametri pluviometrici:

Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
7688A	COLATORE 1 RIMAGGIO	30	0.5	S	40.1	0.998	40.1	4.87	7.43
			1.0	S	48.6	0.999	48.5	4.55	10.38
		200	0.5	S	49.3	0.998	49.3	6.79	10.65
			1.0	S	61.0	0.999	60.9	5.81	14.74

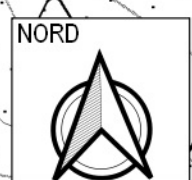


MODELLO 12-POMINO



LEGENDA

- Bacini Idrografici
- Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Ordinamento Reticolo Horton-Strahler
- Aste di Ordine 1



MODELLO M12-POMINO
TAVOLA DEI BACINI IDROGRAFICI
Scala 1:5000

MODELLO 12 - POMINO

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

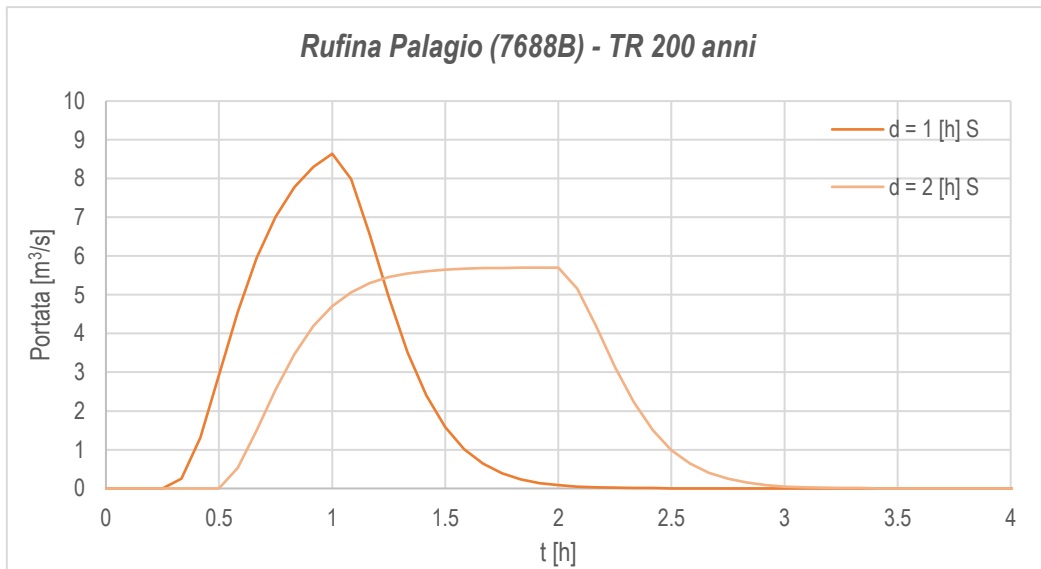
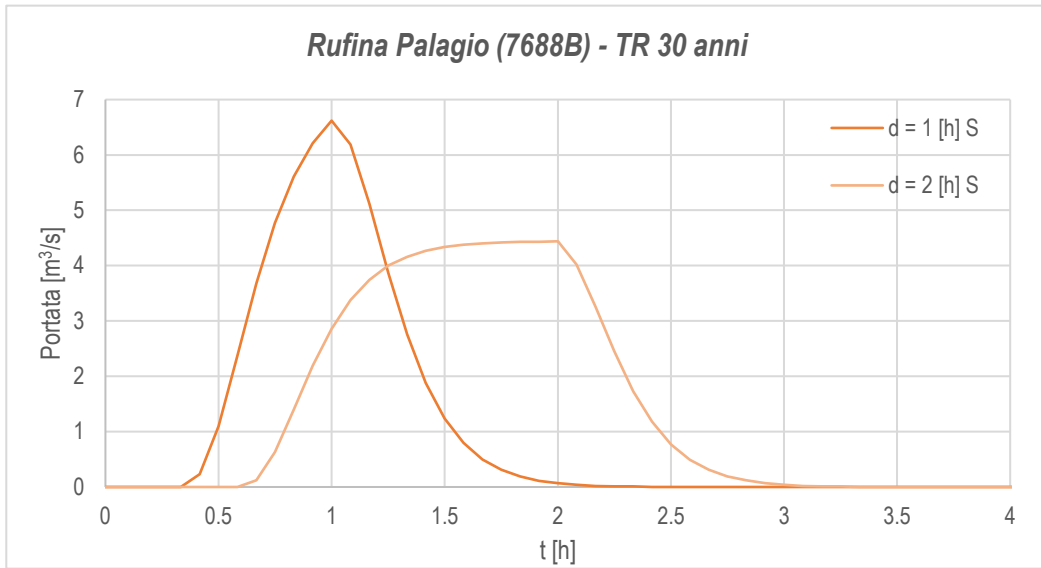
Parametri geomorfologici:

Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	Tl [h]
7688B	RUFINA PALAGIO	0.55	18.87	0.00	2.79	0.13	0.36

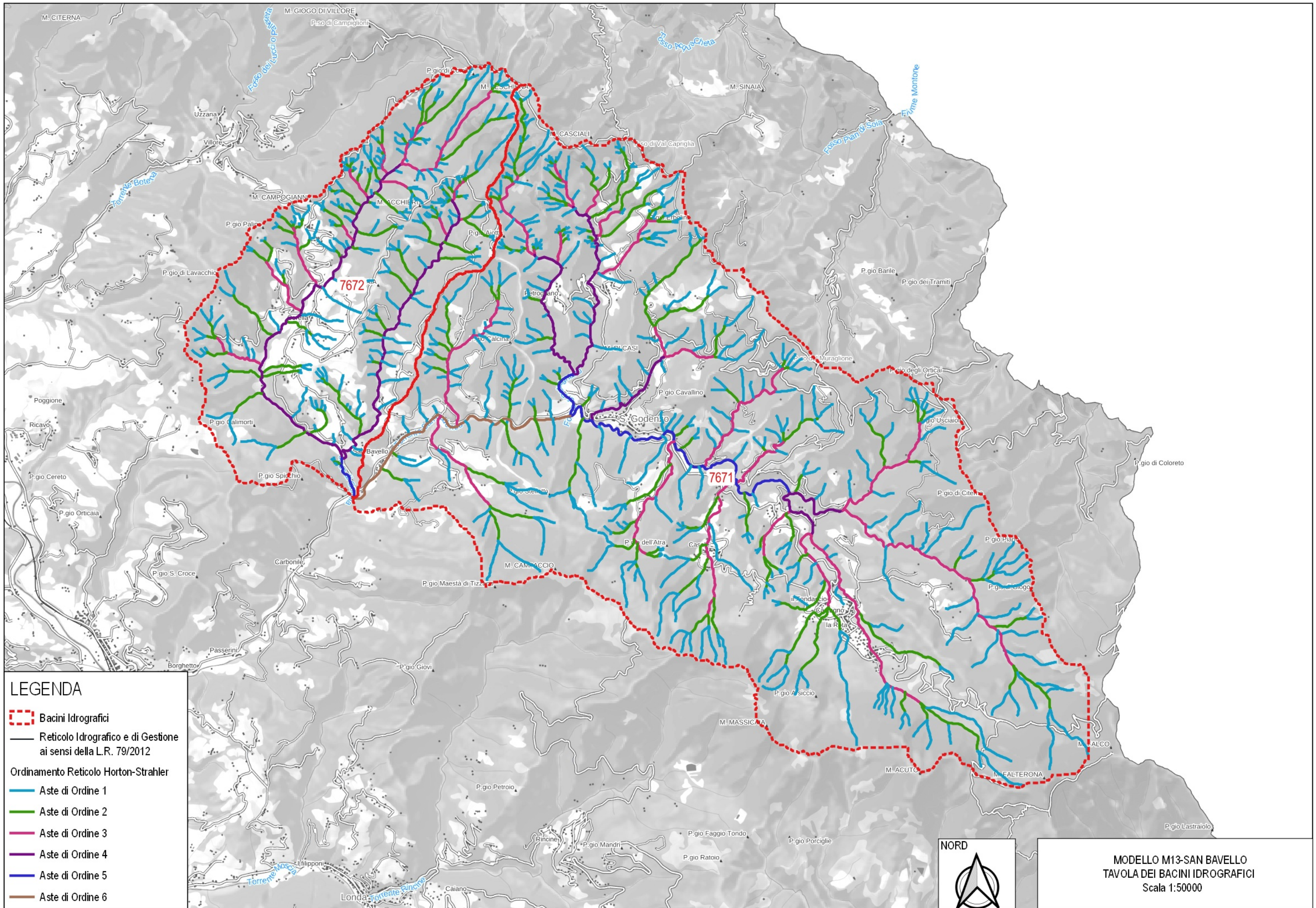
Parametri pluviometrici:

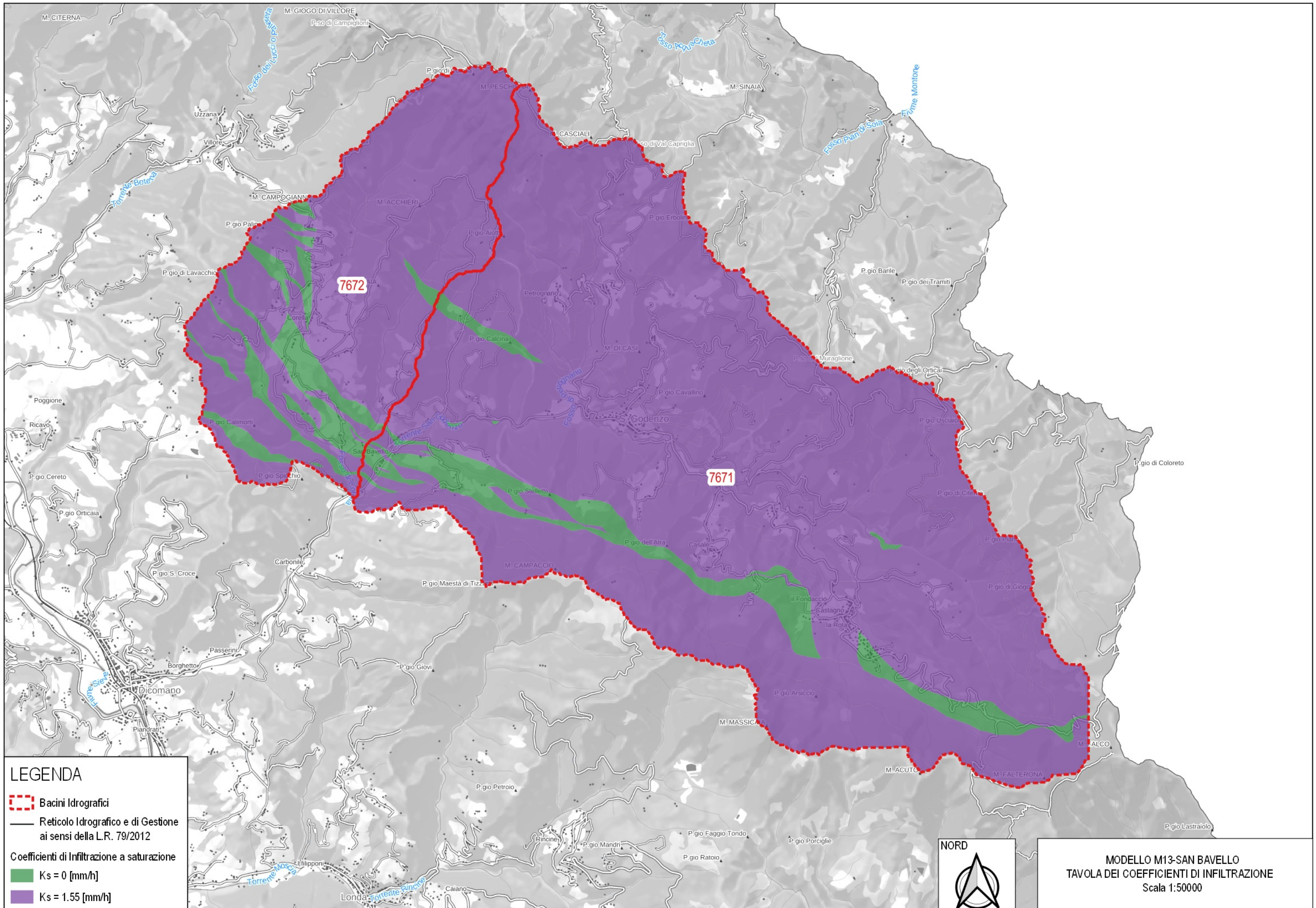
Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
7688B	RUFINA PALAGIO	30	1.0	S	48.6	0.998	48.4	6.62	16.12
			2.0	S	58.8	0.998	58.7	4.44	21.68
		200	1.0	S	61.0	0.998	60.9	8.64	22.91
			2.0	S	75.5	0.998	75.4	5.70	30.78



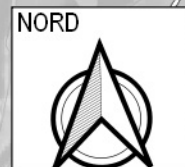
MODELLO 13-SAN BAVELLO



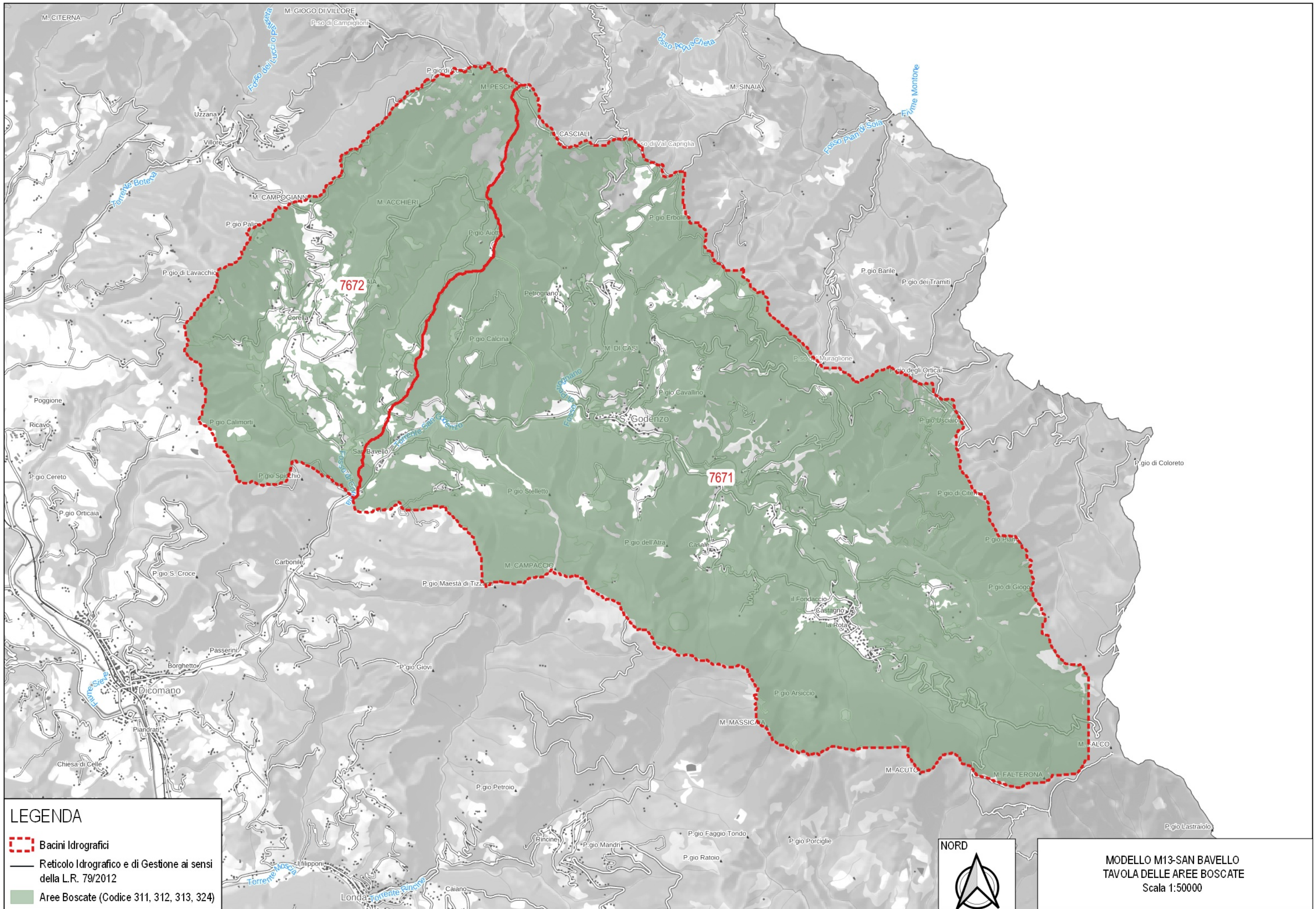


LEGENDA

- Bacini Idrografici
- Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Coefficienti di Infiltrazione a saturazione**
- $K_s = 0$ [mm/h]
- $K_s = 1.55$ [mm/h]



MODELLO M13-SAN BAVELLO
TAVOLA DEI COEFFICIENTI DI INFILTRAZIONE
 Scala 1:50000



MODELLO 13 - SAN BAVELLO

Modello di Infiltrazione:
Modello di Formazione dell'Onda di Piena:

Metodo dell'Infiltrazione a Soglia
Metodo di Nash GIUH

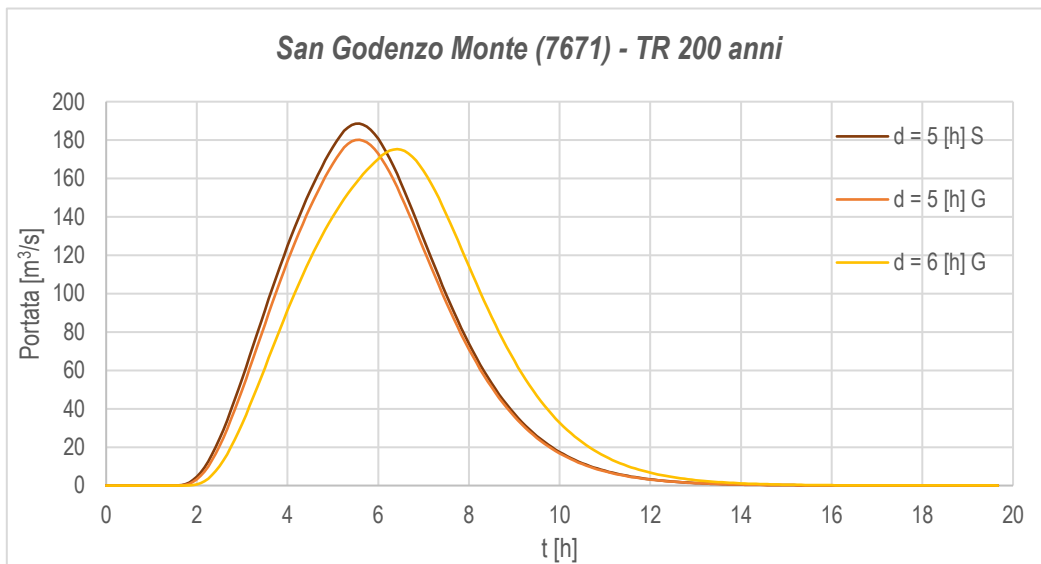
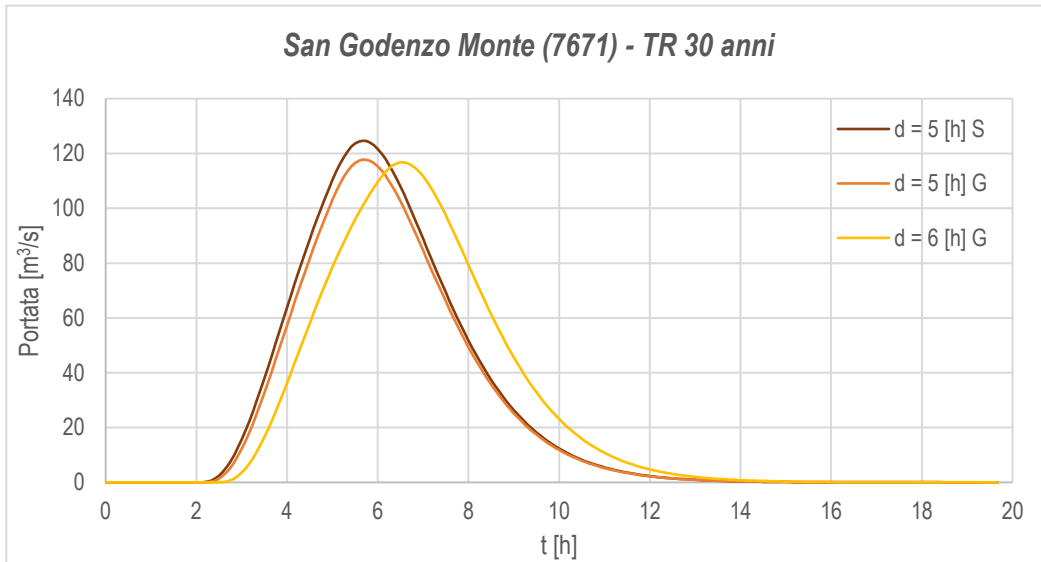
Parametri geomorfologici:

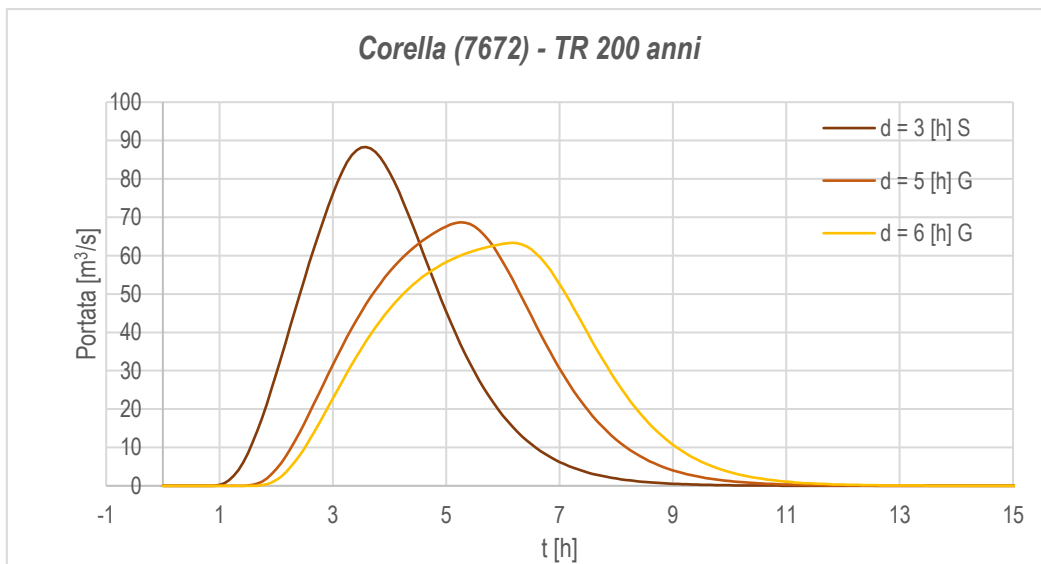
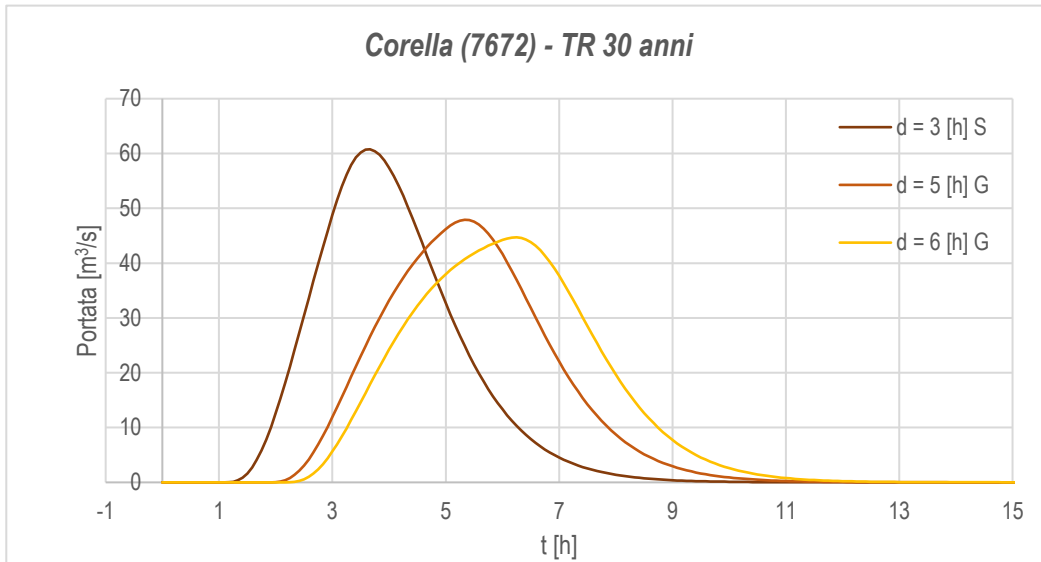
Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	TI [h]
7671	SAN GODENZO MONTE	57.33	22.47	1.44	3.06	0.88	2.68
7672	CORELLA	17.91	20.88	1.33	3.32	0.61	2.02

Parametri pluviometrici:

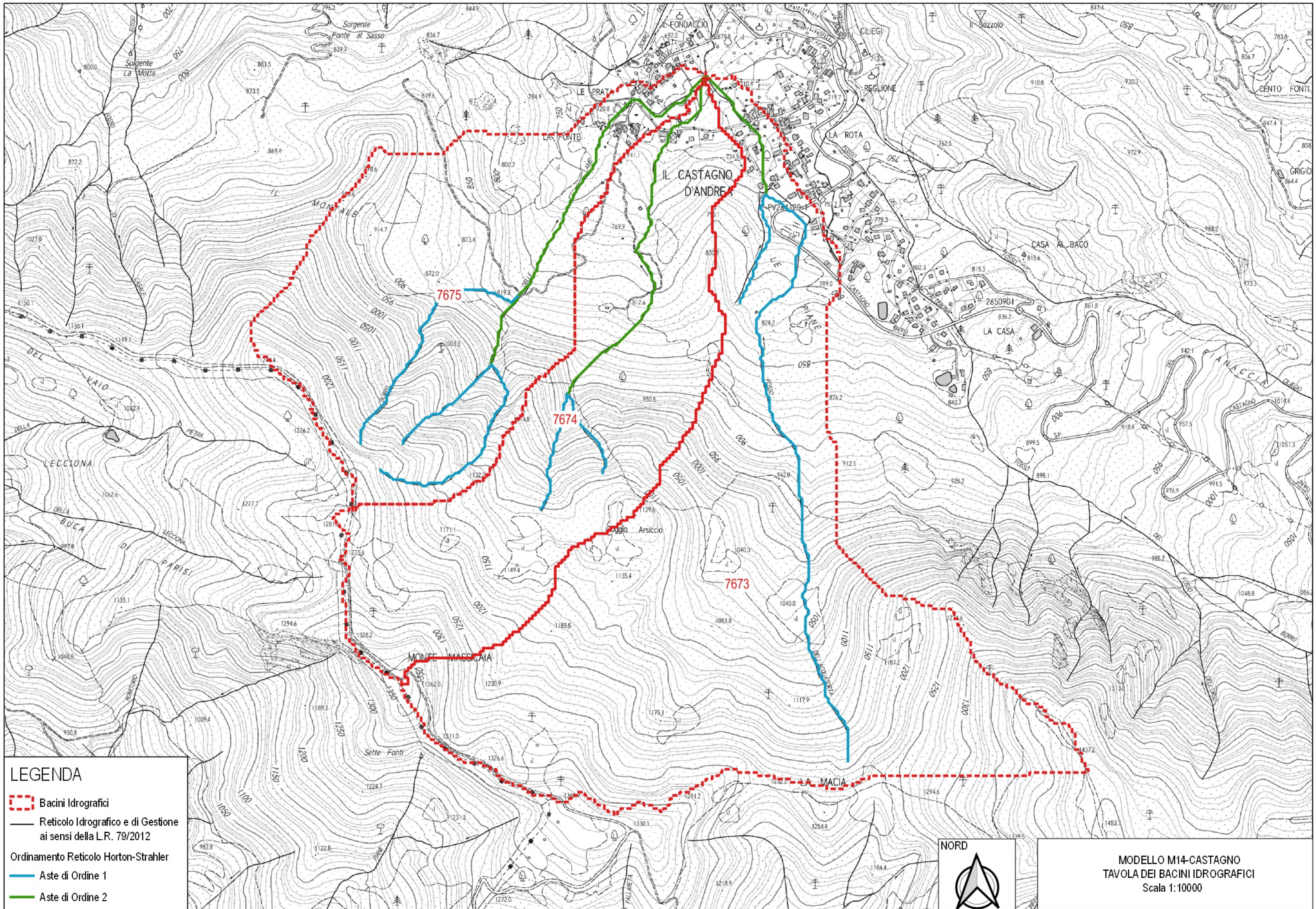
Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
7671	SAN GODENZO MONTE	30	5.0	S	70.6	0.865	61.1	124.65	1799.90
			5.0	G	70.6	0.836	59.0	117.76	1683.92
			6.0	G	74.5	0.845	62.9	116.76	1824.44
		200	5.0	S	93.4	0.865	80.7	188.58	2928.69
			5.0	G	93.4	0.836	78.1	180.14	2775.31
			6.0	G	99.1	0.845	83.7	175.28	3015.22
7672	CORELLA	30	3.0	S	62.8	0.944	59.3	60.77	616.36
			5.0	G	72.6	0.844	61.3	47.91	604.61
			6.0	G	76.4	0.853	65.2	44.71	650.94
		200	3.0	S	81.7	0.944	77.1	88.30	936.31
			5.0	G	96.0	0.844	81.0	68.69	958.54
			6.0	G	101.6	0.853	86.7	63.33	1036.37





MODELLO 14-CASTAGNO

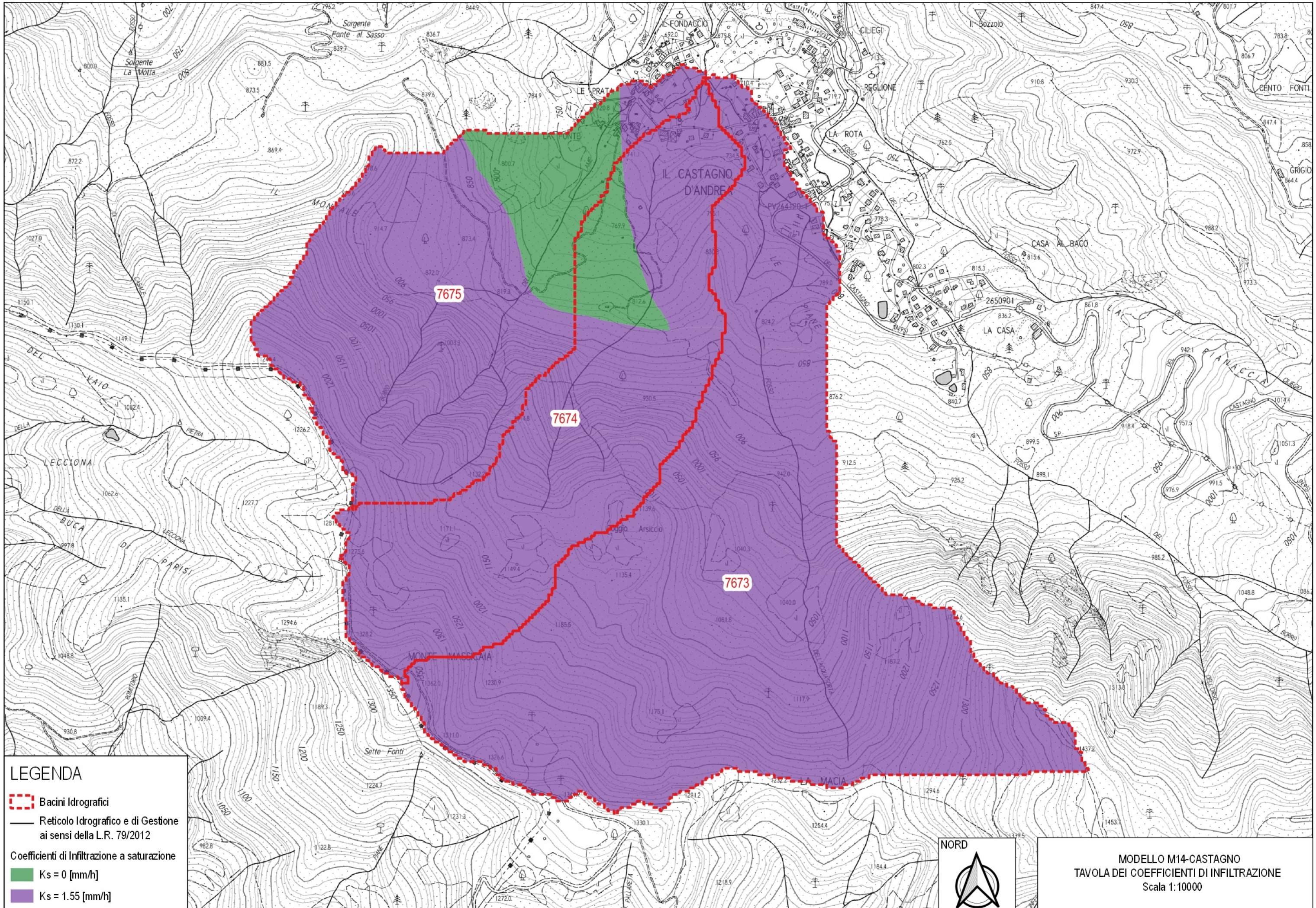


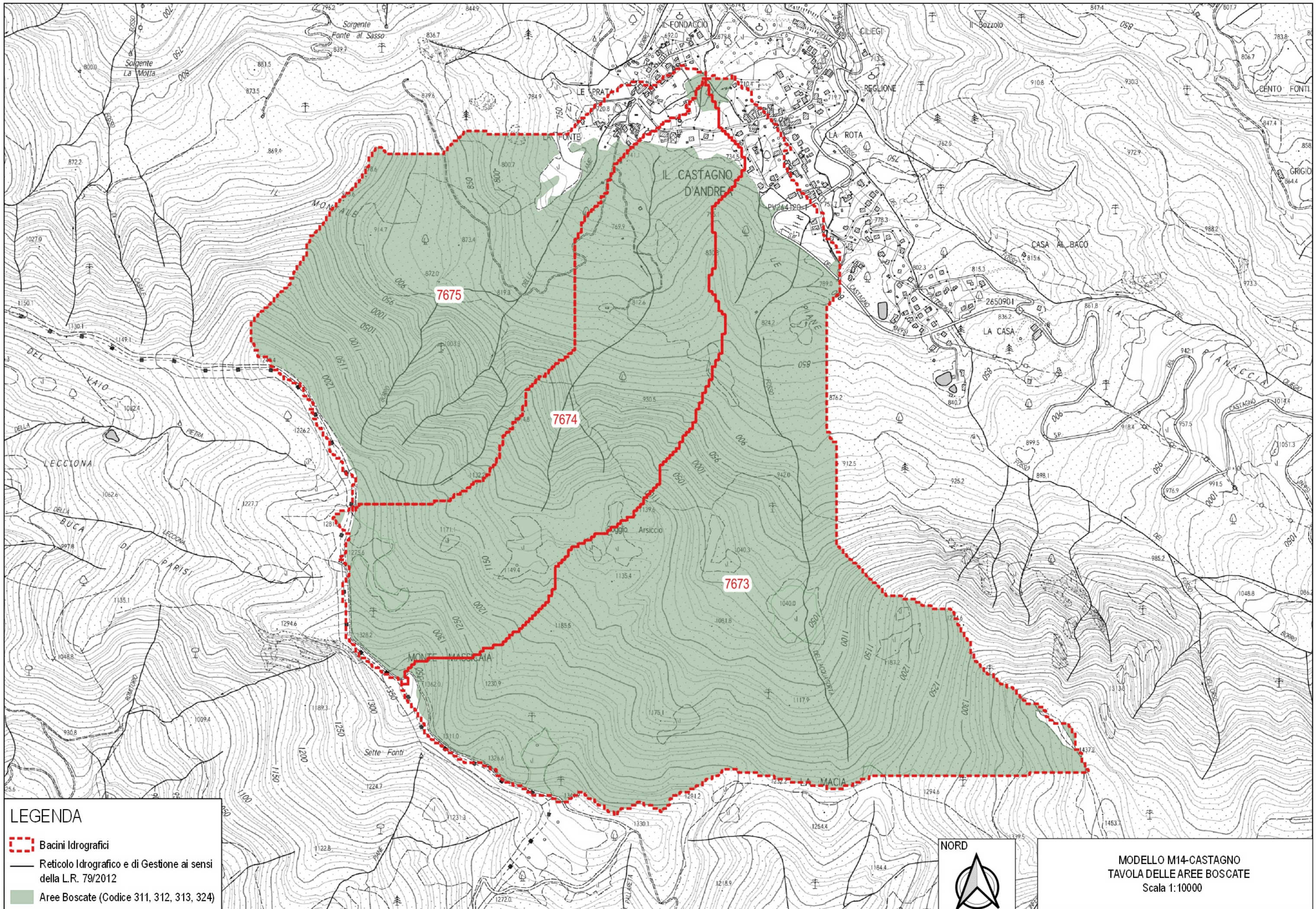
LEGENDA

-  Bacini Idrografici
-  Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
- Ordinamento Reticolo Horton-Strahler
-  Aste di Ordine 1
-  Aste di Ordine 2






MODELLO M14-CASTAGNO
TAVOLA DEI BACINI IDROGRAFICI
Scala 1:10000





LEGENDA

-  Bacini Idrografici
-  Reticolo Idrografico e di Gestione ai sensi della L.R. 79/2012
-  Aree Boscate (Codice 311, 312, 313, 324)

NORD



MODELLO M14-CASTAGNO
TAVOLA DELLE AREE BOScate
Scala 1:10000

MODELLO 14 - CASTAGNO

Modello di Infiltrazione:

Metodo dell'Infiltrazione a Soglia

Modello di Formazione dell'Onda di Piena:

Metodo di Nash GIUH

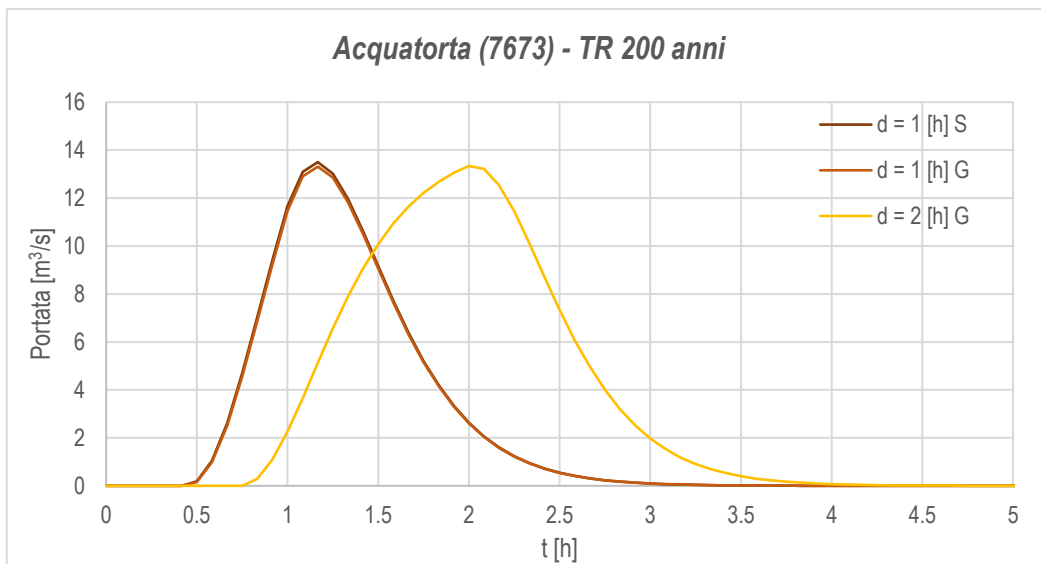
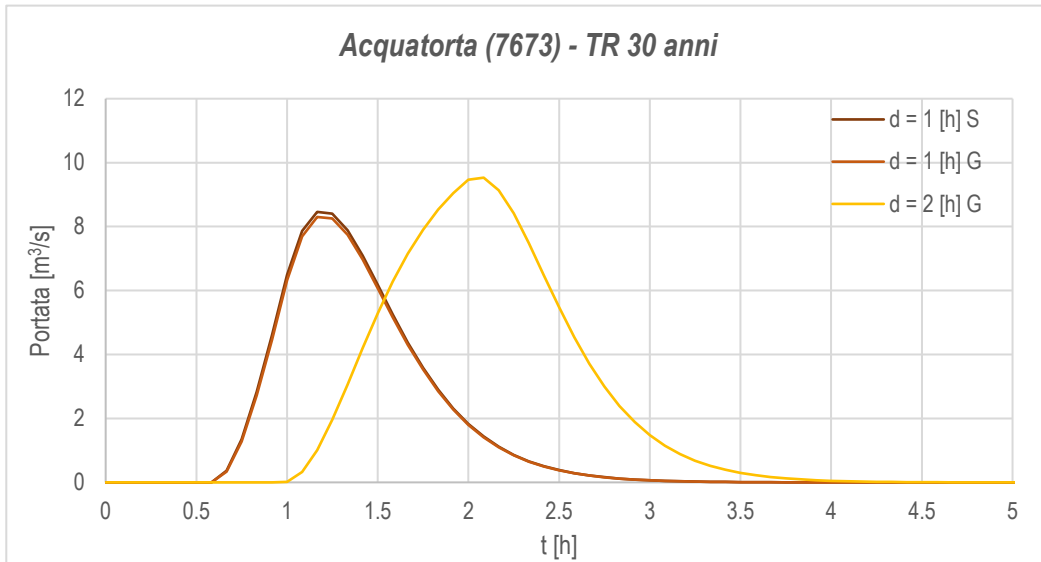
Parametri geomorfologici:

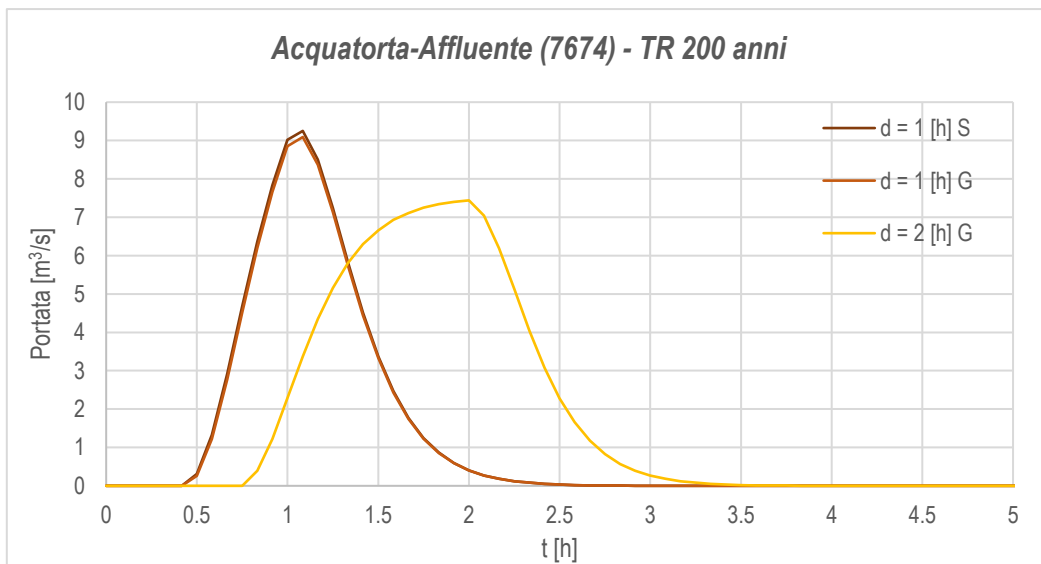
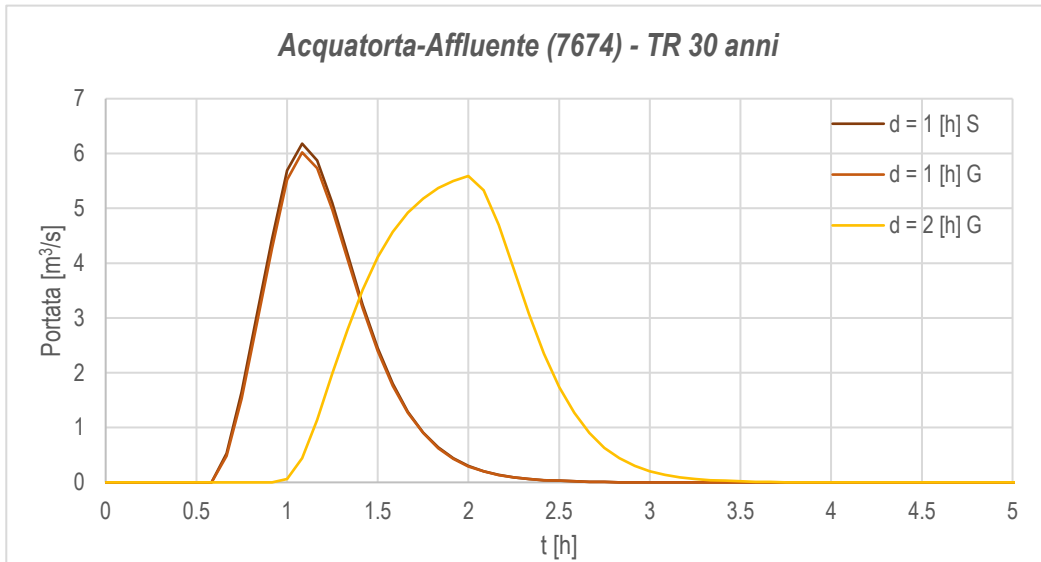
Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	TI [h]
7673	ACQUATORTA	1.62	24.16	1.55	2.79	0.23	0.64
7674	ACQUATORTA-AFFLUENTE	0.85	24.29	1.41	2.79	0.16	0.45
7675	LE PRATA	0.87	23.36	1.27	2.79	0.16	0.46

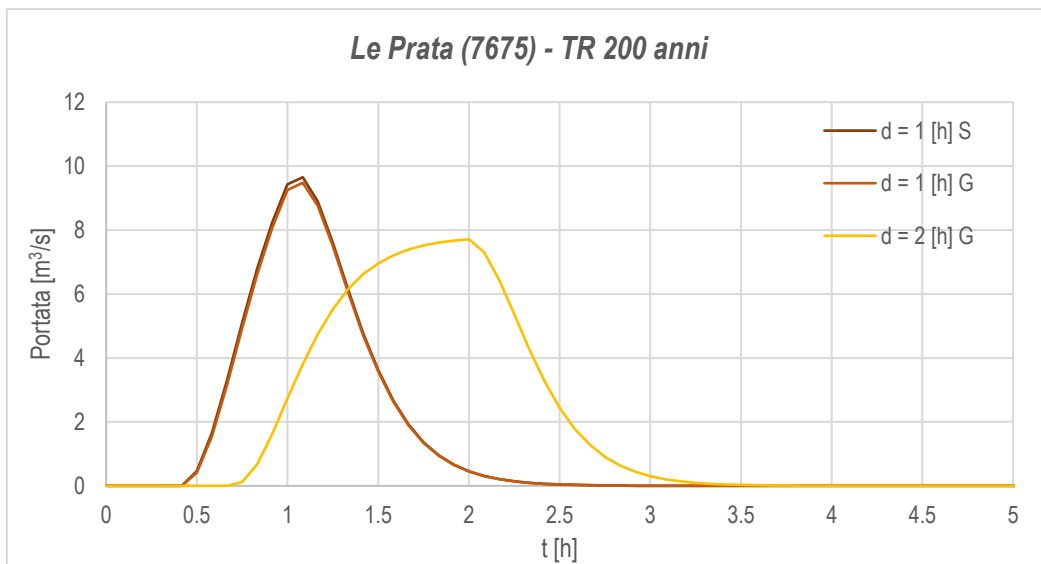
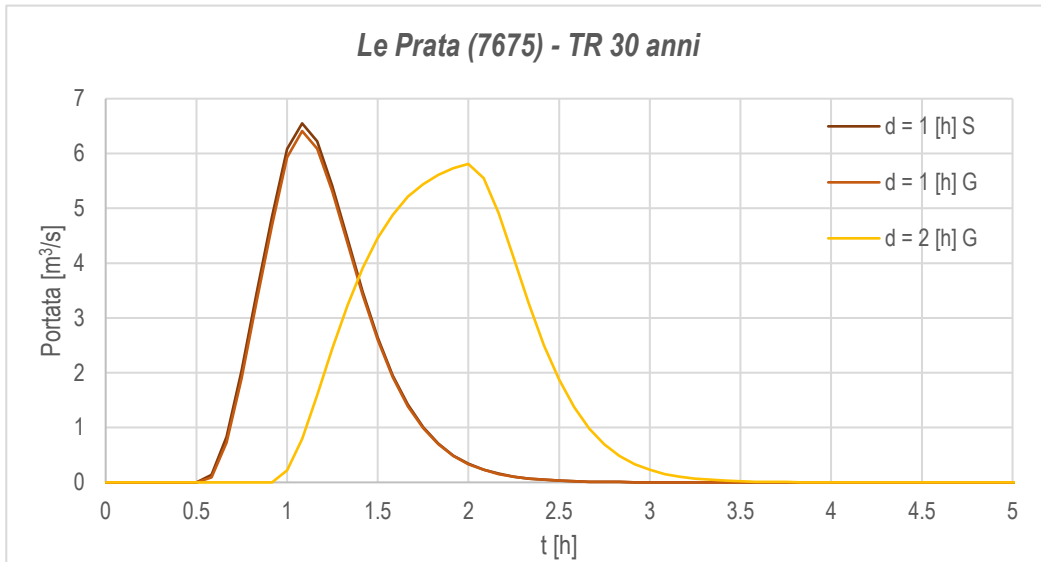
Parametri pluviometrici:

Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
7673	ACQUATORTA	30	1.0	S	42.3	0.992	41.9	8.46	26.37
			1.0	G	42.3	0.984	41.6	8.30	25.83
			2.0	G	52.5	0.987	51.8	9.53	39.77
		200	1.0	S	53.1	0.992	52.7	13.50	43.88
			1.0	G	53.1	0.984	52.3	13.31	43.21
			2.0	G	67.4	0.987	66.5	13.34	63.72
7674	ACQUATORTA-AFFLUENTE	30	1.0	S	43.0	0.996	42.9	6.18	14.50
			1.0	G	43.0	0.985	42.4	6.02	14.08
			2.0	G	52.8	0.987	52.1	5.59	21.12
		200	1.0	S	54.1	0.996	53.9	9.25	23.79
			1.0	G	54.1	0.985	53.3	9.09	23.28
			2.0	G	67.8	0.987	66.9	7.44	33.65
7675	LE PRATA	30	1.0	S	43.0	0.996	42.8	6.55	15.83
			1.0	G	43.0	0.985	42.3	6.41	15.40
			2.0	G	52.8	0.987	52.1	5.81	22.81
		200	1.0	S	54.0	0.996	53.8	9.65	25.40
			1.0	G	54.0	0.985	53.2	9.48	24.87
			2.0	G	67.8	0.987	66.9	7.71	35.73







MODELLO 15-COLATORI PONTASSIEVE

MODELLO 15 - COLATORI PONTASSIEVE

Modello di Infiltrazione:

Metodo dell'Infiltrazione a Soglia

Modello di Formazione dell'Onda di Piena:

Metodo di Nash GIUH

Parametri geomorfologici:

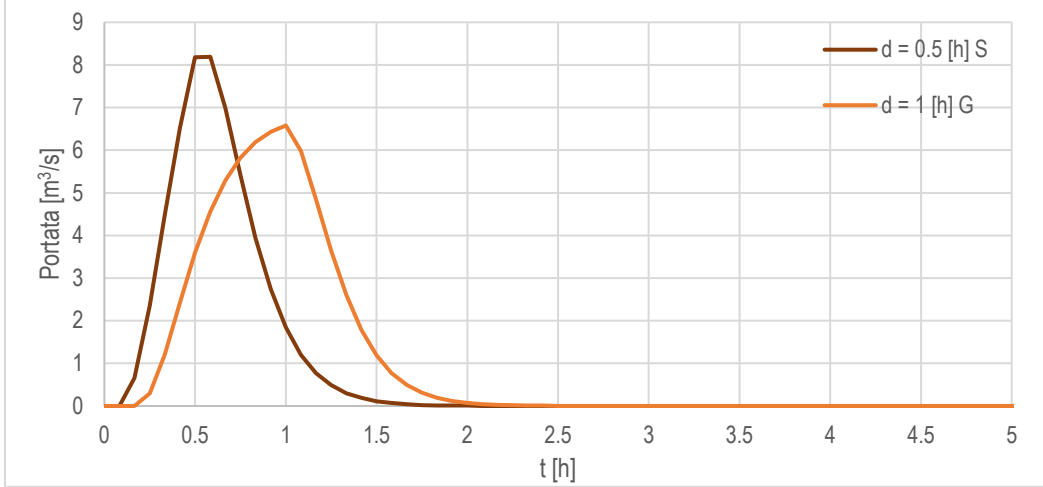
Codice	Nome	Area [km ²]	Modello di Infiltrazione		Trasformazione Afflussi - Deflussi		
			la [mm]	Ks [mm/h]	n [-]	k [h]	TI [h]
7603	COLATORE 1 - SAN FRANCESCO	0.529	10.060	4.254	2.636	0.135	0.36
7604	FOSSO ORSELLI	0.480	10.060	4.254	2.636	0.129	0.34
7605	COLATORE 3 - PONTASSIEVE	0.452	10.060	4.254	2.636	0.126	0.33

Parametri pluviometrici:

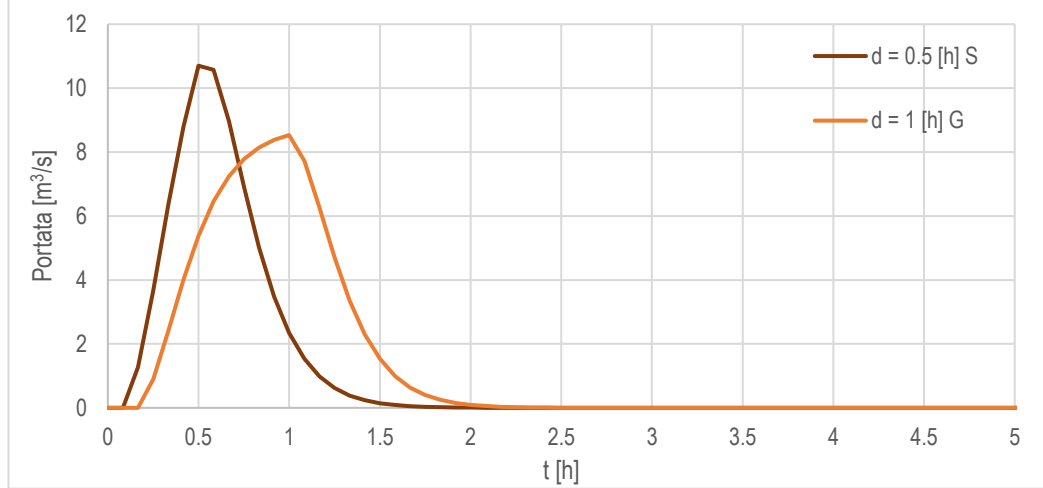
Idrogrammi di piena:

Codice	Nome	TR [anni]	d [h]	Scenario	h _{lorda} [mm]	Kr [-]	h _{ragg} [mm]	Q _{max} [m3/s]	Vol [1000 m3]
7603	COLATORE 1 - SAN FRANCESCO	30	0.5	S	43.39	0.53	23.14	8.19	16.37
			1.0	S	51.17	0.60	30.49	6.58	19.35
		200	0.5	S	53.48	0.53	28.52	10.70	21.66
			1.0	S	64.45	0.60	38.41	8.53	26.32
7604	FOSSO ORSELLI	30	0.5	S	43.39	0.53	23.14	7.72	14.88
			1.0	S	51.17	0.60	30.49	6.03	17.58
		200	0.5	S	53.48	0.53	28.52	10.07	19.68
			1.0	S	64.45	0.60	38.41	7.80	23.91
7605	COLATORE 3 - PONTASSIEVE	30	0.5	S	43.39	0.53	23.14	7.43	14.00
			1.0	S	51.17	0.60	30.49	5.70	16.54
		200	0.5	S	53.48	0.53	28.52	9.68	18.53
			1.0	S	64.45	0.60	38.41	7.37	22.51

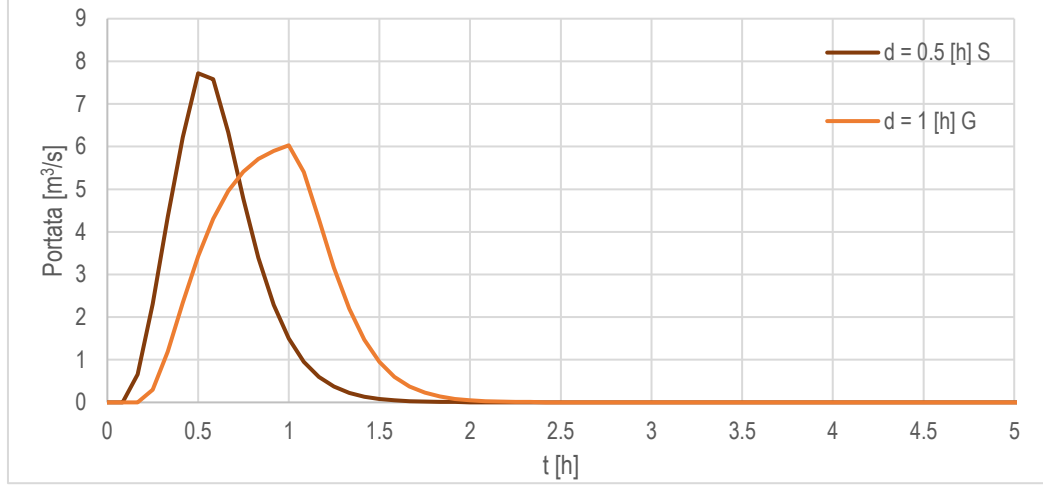
Colatore 1 - San Francesco (7603) - TR 30 anni



Colatore 1 - San Francesco (7603) - TR 200 anni



Fosso Orselli (7604) - TR 30 anni



Fosso Orselli (7604) - TR 200 anni

