



# PIANO STRUTTURALE

## i - STUDIO IDROLOGICO-IDRAULICO

### A-6\_Allegato modellazione idraulica U.T.O.E. Basse di Caldana

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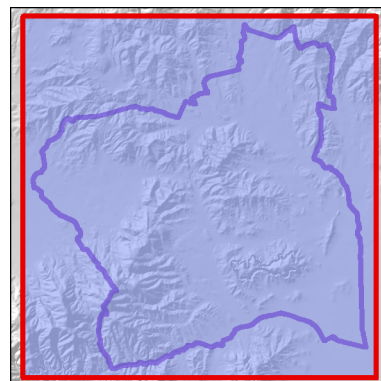
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Piano Strutturale Comunale - Piano Operativo Comunale

**PS**  
**PO**

## RELAZIONE IDROLOGICO-IDRAULICA

### Allegati modellazione idraulica

Zona di studio: U.T.O.E. Basse di Caldana

- Planimetria modello di calcolo Hec-Ras
- F. di Nonno - Tabella output Hec-Ras
- F. dell'Incoronata - Tabella output Hec-Ras
- F. Bizzughello - Tabella output Hec-Ras
- F. dell'Acqua Nera - Tabella output Hec-Ras
- F. di Nonno - Profilo Hec-Ras
- F. dell'Incoronata - Profilo Hec-Ras
- F. Bizzughello - Profilo Hec-Ras
- F. dell'Acqua Nera - Profilo Hec-Ras
- F. di Nonno - Sezioni Hec-Ras
- F. dell'Incoronata - Sezioni Hec-Ras
- F. Bizzughello - Sezioni Hec-Ras
- F. dell'Acqua Nera - Sezioni Hec-Ras
- Battenti Tr30 anni –  $T_p=0.5$  ore
- Battenti Tr30 anni –  $T_p=1.5$  ore
- Battenti Tr200 anni –  $T_p=0.5$  ore
- Battenti Tr200 anni –  $T_p=1.5$  ore
- Velocità Tr30 anni –  $T_p=0.5$  ore
- Velocità Tr30 anni –  $T_p=1.5$  ore
- Velocità Tr200 anni –  $T_p=0.5$  ore
- Velocità Tr200 anni –  $T_p=1.5$  ore



Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nonno	35	Max WS	1D+2D_Tr200_1.5h	4.35	45.11	45.75	46.03	46.68	0.097169	4.28	1.02	2.61	2.19
Nonno	35	Max WS	1D+2D_Tr200_0.5h	7.71	45.11	45.94	46.30	47.17	0.095595	4.92	1.57	3.21	2.25
Nonno	35	Max WS	1D+2D_Tr30_1.5h	2.94	45.11	45.64	45.87	46.41	0.097039	3.88	0.76	2.28	2.14
Nonno	35	Max WS	1D+2D_Tr30_0.5h	5.42	45.11	45.81	46.13	46.86	0.096665	4.52	1.20	2.82	2.21
Nonno	34	Max WS	1D+2D_Tr200_1.5h	4.35	44.66	45.27	45.46	45.87	0.053458	3.44	1.26	2.96	1.68
Nonno	34	Max WS	1D+2D_Tr200_0.5h	7.71	44.66	45.48	45.73	46.28	0.052243	3.98	1.94	3.55	1.72
Nonno	34	Max WS	1D+2D_Tr30_1.5h	2.94	44.66	45.16	45.31	45.65	0.053762	3.10	0.95	2.65	1.65
Nonno	34	Max WS	1D+2D_Tr30_0.5h	5.42	44.66	45.34	45.56	46.02	0.053209	3.65	1.49	3.17	1.70
Nonno	33	Max WS	1D+2D_Tr200_1.5h	4.35	44.30	44.92	45.10	45.49	0.049931	3.36	1.30	3.00	1.63
Nonno	33	Max WS	1D+2D_Tr200_0.5h	7.70	44.30	45.15	45.38	45.87	0.045042	3.77	2.04	3.62	1.60
Nonno	33	Max WS	1D+2D_Tr30_1.5h	2.94	44.30	44.80	44.95	45.28	0.053463	3.09	0.95	2.66	1.65
Nonno	33	Max WS	1D+2D_Tr30_0.5h	5.42	44.30	45.00	45.20	45.63	0.048087	3.51	1.54	3.22	1.62
Nonno	32	Max WS	1D+2D_Tr200_1.5h	4.35	44.02	44.74	44.74	45.00	0.017219	2.26	1.93	3.65	0.99
Nonno	32	Max WS	1D+2D_Tr200_0.5h	7.70	44.02	44.98	45.00	45.35	0.018072	2.69	2.86	4.24	1.05
Nonno	32	Max WS	1D+2D_Tr30_1.5h	2.94	44.02	44.61	44.60	44.82	0.016790	2.00	1.47	3.32	0.96
Nonno	32	Max WS	1D+2D_Tr30_0.5h	5.41	44.02	44.83	44.83	45.13	0.017548	2.42	2.24	3.85	1.01
Nonno	31	Max WS	1D+2D_Tr200_1.5h	4.35	43.86	44.53	44.72	45.15	0.050566	3.48	1.25	2.62	1.61
Nonno	31	Max WS	1D+2D_Tr200_0.5h	7.70	43.86	44.76	45.02	45.59	0.050303	4.04	1.91	3.13	1.65
Nonno	31	Max WS	1D+2D_Tr30_1.5h	2.94	43.86	44.41	44.56	44.91	0.050322	3.13	0.94	2.35	1.58
Nonno	31	Max WS	1D+2D_Tr30_0.5h	5.41	43.86	44.61	44.83	45.31	0.050548	3.69	1.47	2.80	1.63
Nonno	30	Max WS	1D+2D_Tr200_1.5h	4.35	43.40	44.13	44.12	44.38	0.016538	2.19	1.99	3.85	0.97
Nonno	30	Max WS	1D+2D_Tr200_0.5h	7.69	43.40	44.38	44.38	44.71	0.016627	2.55	3.01	4.58	1.00
Nonno	30	Max WS	1D+2D_Tr30_1.5h	2.94	43.40	44.00	43.98	44.20	0.016845	1.97	1.49	3.45	0.96
Nonno	30	Max WS	1D+2D_Tr30_0.5h	5.41	43.40	44.22	44.21	44.49	0.016506	2.32	2.33	4.11	0.98
Nonno	29	Max WS	1D+2D_Tr200_1.5h	4.35	43.04	43.82	44.05	44.51	0.059211	3.68	1.18	2.41	1.68
Nonno	29	Max WS	1D+2D_Tr200_0.5h	7.69	43.04	44.04	44.34	45.01	0.063612	4.35	1.77	2.90	1.78
Nonno	29	Max WS	1D+2D_Tr30_1.5h	2.94	43.04	43.70	43.87	44.24	0.056227	3.27	0.90	2.13	1.61
Nonno	29	Max WS	1D+2D_Tr30_0.5h	5.41	43.04	43.90	44.16	44.69	0.060920	3.92	1.38	2.58	1.72
Nonno	28	Max WS	1D+2D_Tr200_1.5h	4.35	42.90	43.60	43.75	44.08	0.040194	3.07	1.42	3.22	1.48
Nonno	28	Max WS	1D+2D_Tr200_0.5h	7.69	42.90	43.82	44.02	44.45	0.039721	3.53	2.18	3.93	1.52
Nonno	28	Max WS	1D+2D_Tr30_1.5h	2.94	42.90	43.49	43.60	43.88	0.040190	2.77	1.06	2.82	1.44
Nonno	28	Max WS	1D+2D_Tr30_0.5h	5.40	42.90	43.68	43.84	44.21	0.039979	3.24	1.67	3.47	1.49
Nonno	27	Max WS	1D+2D_Tr200_1.5h	4.35	42.51	43.18	43.32	43.66	0.037763	3.06	1.42	3.02	1.43
Nonno	27	Max WS	1D+2D_Tr200_0.5h	7.69	42.51	43.38	43.60	44.07	0.040963	3.67	2.09	3.56	1.53
Nonno	27	Max WS	1D+2D_Tr30_1.5h	2.94	42.51	43.06	43.16	43.44	0.035908	2.70	1.09	2.72	1.37
Nonno	27	Max WS	1D+2D_Tr30_0.5h	5.40	42.51	43.25	43.41	43.80	0.038930	3.28	1.65	3.21	1.47
Nonno	26	Max WS	1D+2D_Tr200_1.5h	4.35	42.00	42.57	42.72	43.04	0.047097	3.04	1.43	3.94	1.61
Nonno	26	Max WS	1D+2D_Tr200_0.5h	7.69	42.00	42.76	42.94	43.35	0.042790	3.40	2.26	4.88	1.60
Nonno	26	Max WS	1D+2D_Tr30_1.5h	2.94	42.00	42.47	42.59	42.86	0.049340	2.79	1.05	3.42	1.61
Nonno	26	Max WS	1D+2D_Tr30_0.5h	5.40	42.00	42.63	42.80	43.15	0.045605	3.18	1.70	4.27	1.61
Nonno	25	Max WS	1D+2D_Tr200_1.5h	4.35	41.66	42.29	42.34	42.60	0.023875	2.47	1.76	3.85	1.17
Nonno	25	Max WS	1D+2D_Tr200_0.5h	7.69	41.66	42.50	42.59	42.93	0.024780	2.93	2.62	4.52	1.23
Nonno	25	Max WS	1D+2D_Tr30_1.5h	2.94	41.66	42.18	42.21	42.42	0.023568	2.20	1.34	3.48	1.13
Nonno	25	Max WS	1D+2D_Tr30_0.5h	5.40	41.66	42.36	42.43	42.72	0.024046	2.63	2.05	4.09	1.19
Nonno	24.99			Lat Struct									
Nonno	24	Max WS	1D+2D_Tr200_1.5h	4.34	41.45	42.11	42.18	42.46	0.026192	2.61	1.67	3.54	1.21
Nonno	24	Max WS	1D+2D_Tr200_0.5h	7.60	41.45	42.31	42.44	42.81	0.028325	3.12	2.44	4.15	1.30
Nonno	24	Max WS	1D+2D_Tr30_1.5h	2.94	41.45	42.00	42.04	42.27	0.025269	2.31	1.27	3.18	1.17
Nonno	24	Max WS	1D+2D_Tr30_0.5h	5.39	41.45	42.19	42.27	42.58	0.026831	2.79	1.93	3.76	1.24
Nonno	23	Max WS	1D+2D_Tr200_1.5h	4.35	41.23	41.91	42.06	42.38	0.041374	3.05	1.43	3.42	1.50
Nonno	23	Max WS	1D+2D_Tr200_0.5h	7.57	41.23	42.10	42.30	42.74	0.042410	3.54	2.14	4.14	1.57
Nonno	23	Max WS	1D+2D_Tr30_1.5h	2.94	41.23	41.80	41.91	42.18	0.040474	2.73	1.08	3.00	1.46
Nonno	23	Max WS	1D+2D_Tr30_0.5h	5.40	41.23	41.98	42.14	42.51	0.041850	3.23	1.67	3.68	1.53
Nonno	22	Max WS	1D+2D_Tr200_1.5h	4.35	40.75	41.39	41.50	41.79	0.034482	2.80	1.55	3.75	1.39
Nonno	22	Max WS	1D+2D_Tr200_0.5h	7.58	40.75	41.57	41.72	42.12	0.035822	3.29	2.31	4.47	1.46
Nonno	22	Max WS	1D+2D_Tr30_1.5h	2.94	40.75	41.28	41.37	41.60	0.034291	2.52	1.17	3.32	1.35
Nonno	22	Max WS	1D+2D_Tr30_0.5h	5.40	40.75	41.46	41.58	41.91	0.034764	2.98	1.81	4.02	1.41
Nonno	21	Max WS	1D+2D_Tr200_1.5h	4.35	40.40	41.03	41.15	41.44	0.036162	2.82	1.54	3.86	1.42
Nonno	21	Max WS	1D+2D_Tr200_0.5h	7.62	40.40	41.21	41.37	41.78	0.037707	3.34	2.28	4.52	1.50
Nonno	21	Max WS	1D+2D_Tr30_1.5h	2.94	40.40	40.93	41.02	41.25	0.035581	2.53	1.16	3.40	1.38
Nonno	21	Max WS	1D+2D_Tr30_0.5h	5.39	40.40	41.10	41.23	41.55	0.036708	3.00	1.80	4.15	1.45
Nonno	20	Max WS	1D+2D_Tr200_1.5h	4.35	40.22	40.90	40.98	41.22	0.030551	2.53	1.72	4.52	1.31
Nonno	20	Max WS	1D+2D_Tr200_0.5h	7.65	40.22	41.06	41.18	41.52	0.031694	2.98	2.57	5.41	1.38
Nonno	20	Max WS	1D+2D_Tr30_1.5h	2.94	40.22	40.79	40.86	41.06	0.030887	2.30	1.28	3.92	1.29
Nonno	20	Max WS	1D+2D_Tr30_0.5h	5.39	40.22	40.96	41.05	41.32	0.030766	2.68	2.01	4.88	1.34
Nonno	19	Max WS	1D+2D_Tr200_1.5h	4.35	40.16	40.78	40.80	41.02	0.019766	2.17	2.00	4.81	1.07
Nonno	19	Max WS	1D+2D_Tr200_0.5h	7.62	40.16	40.94	41.00	41.31	0.022867	2.69	2.83	5.39	1.19
Nonno	19	Max WS	1D+2D_Tr30_1.5h	2.94	40.16	40.68	40.68	40.86	0.018863	1.91	1.54	4.31	1.02
Nonno	19	Max WS	1D+2D_Tr30_0.5h	5.39	40.16	40.84	40.87	41.12	0.020748	2.34	2.30	5.10	1.11
Nonno	18	Max WS	1D+2D_Tr200_1.5h	4.35	40.03	40.67	40.69	40.91	0.020098	2.17	2.01	4.83	1.07
Nonno	18	Max WS	1D+2D_Tr200_0.5h	7.24	40.03	40.82	40.87	41.18	0.022099	2.65	2.73	5.04	1.15
Nonno	18	Max WS	1D+2D_Tr30_1.5h	2.94	40.03	40.57	40.58	40.76	0.018888	1.89	1.55	4.41	1.02



Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nonno	18	Max WS	1D+2D_Tr30_0.5h	5.37	40.03	40.73	40.76	41.01	0.020891	2.36	2.28	4.91	1.11
Nonno	17	Max WS	1D+2D_Tr200_1.5h	4.06	39.87	40.46	40.52	40.78	0.028026	2.51	1.62	3.90	1.25
Nonno	17	Max WS	1D+2D_Tr200_0.5h	6.28	39.87	40.59	40.69	41.03	0.029996	2.95	2.13	4.09	1.31
Nonno	17	Max WS	1D+2D_Tr30_1.5h	2.88	39.87	40.37	40.42	40.63	0.027640	2.23	1.29	3.78	1.22
Nonno	17	Max WS	1D+2D_Tr30_0.5h	4.83	39.87	40.51	40.59	40.87	0.028670	2.68	1.80	3.97	1.27
Nonno	16	Max WS	1D+2D_Tr200_1.5h	4.25	39.53	40.11	40.19	40.43	0.030079	2.50	1.70	4.55	1.30
Nonno	16	Max WS	1D+2D_Tr200_0.5h	6.48	39.53	40.24	40.34	40.64	0.030450	2.82	2.30	5.14	1.34
Nonno	16	Max WS	1D+2D_Tr30_1.5h	2.91	39.53	40.02	40.08	40.28	0.030649	2.27	1.28	4.01	1.28
Nonno	16	Max WS	1D+2D_Tr30_0.5h	5.06	39.53	40.16	40.25	40.51	0.029970	2.61	1.94	4.83	1.32
Nonno	15	Max WS	1D+2D_Tr200_1.5h	4.27	39.13	39.74	39.89	40.23	0.048292	3.09	1.38	3.73	1.62
Nonno	15	Max WS	1D+2D_Tr200_0.5h	6.28	39.13	39.87	40.04	40.44	0.046482	3.37	1.87	4.31	1.63
Nonno	15	Max WS	1D+2D_Tr30_1.5h	2.91	39.13	39.65	39.77	40.04	0.047105	2.78	1.05	3.28	1.57
Nonno	15	Max WS	1D+2D_Tr30_0.5h	5.04	39.13	39.79	39.96	40.32	0.048511	3.23	1.56	3.96	1.64
Nonno	14	Max WS	1D+2D_Tr200_1.5h	4.27	38.92	39.44	39.58	39.90	0.049651	3.00	1.42	4.21	1.65
Nonno	14	Max WS	1D+2D_Tr200_0.5h	6.75	38.92	39.60	39.75	40.09	0.038279	3.08	2.19	5.12	1.50
Nonno	14	Max WS	1D+2D_Tr30_1.5h	2.91	38.92	39.35	39.47	39.73	0.051940	2.75	1.06	3.70	1.64
Nonno	14	Max WS	1D+2D_Tr30_0.5h	5.11	38.92	39.49	39.65	39.98	0.047494	3.10	1.65	4.50	1.63
Nonno	13	Max WS	1D+2D_Tr200_1.5h	4.27	38.43	39.07	39.07	39.32	0.018376	2.24	1.90	3.91	1.03
Nonno	13	Max WS	1D+2D_Tr200_0.5h	6.92	38.43	39.36	39.60	39.60	0.011907	2.20	3.15	4.72	0.86
Nonno	13	Max WS	1D+2D_Tr30_1.5h	2.91	38.43	38.94	38.95	39.15	0.018636	2.02	1.44	3.56	1.01
Nonno	13	Max WS	1D+2D_Tr30_0.5h	5.14	38.43	39.15	39.15	39.42	0.017173	2.31	2.23	4.14	1.01
Nonno	12	Max WS	1D+2D_Tr200_1.5h	4.27	38.21	38.88	38.96	39.23	0.028460	2.62	1.63	3.77	1.27
Nonno	12	Max WS	1D+2D_Tr200_0.5h	6.98	38.21	39.26	39.48	39.48	0.010873	2.08	3.35	5.24	0.83
Nonno	12	Max WS	1D+2D_Tr30_1.5h	2.91	38.21	38.73	38.83	39.07	0.035732	2.57	1.13	3.22	1.38
Nonno	12	Max WS	1D+2D_Tr30_0.5h	5.14	38.21	38.98	39.03	39.30	0.022042	2.50	2.06	4.18	1.14
Nonno	11	Max WS	1D+2D_Tr200_1.5h	4.27	38.03	38.76	38.80	39.06	0.021667	2.40	1.78	3.77	1.11
Nonno	11	Max WS	1D+2D_Tr200_0.5h	6.98	38.03	39.22	39.39	39.39	0.007302	1.84	3.79	5.11	0.68
Nonno	11	Max WS	1D+2D_Tr30_1.5h	2.91	38.03	38.58	38.67	38.91	0.033484	2.54	1.15	3.11	1.34
Nonno	11	Max WS	1D+2D_Tr30_0.5h	5.14	38.03	38.90	38.88	39.15	0.015223	2.21	2.32	4.24	0.95
Nonno	10	Max WS	1D+2D_Tr200_1.5h	4.35	37.77	38.70		38.82	0.006537	1.58	2.75	4.19	0.62
Nonno	10	Max WS	1D+2D_Tr200_0.5h	7.63	37.77	39.20		39.31	0.003613	1.48	5.16	5.44	0.49
Nonno	10	Max WS	1D+2D_Tr30_1.5h	2.94	37.77	38.48		38.60	0.008503	1.55	1.89	3.67	0.69
Nonno	10	Max WS	1D+2D_Tr30_0.5h	5.35	37.77	38.85		38.98	0.005387	1.56	3.43	4.58	0.58
Nonno	9	Max WS	1D+2D_Tr200_1.5h	4.35	37.70	38.69		38.80	0.002869	1.49	2.92	4.91	0.48
Nonno	9	Max WS	1D+2D_Tr200_0.5h	7.63	37.70	39.17		39.33	0.002295	1.75	4.37	5.87	0.46
Nonno	9	Max WS	1D+2D_Tr30_1.5h	2.94	37.70	38.47		38.55	0.003082	1.30	2.26	4.48	0.48
Nonno	9	Max WS	1D+2D_Tr30_0.5h	5.35	37.70	38.84		38.97	0.002666	1.58	3.37	5.22	0.48
Nonno	8.5			Culvert									
Nonno	8	Max WS	1D+2D_Tr200_1.5h	4.35	37.61	38.41		38.59	0.006605	1.90	2.28	3.88	0.70
Nonno	8	Max WS	1D+2D_Tr200_0.5h	7.63	37.61	38.65		38.98	0.008054	2.53	3.01	4.10	0.81
Nonno	8	Max WS	1D+2D_Tr30_1.5h	2.94	37.61	38.22		38.37	0.007878	1.72	1.71	3.70	0.73
Nonno	8	Max WS	1D+2D_Tr30_0.5h	5.35	37.61	38.50		38.72	0.006819	2.09	2.56	3.96	0.72
Nonno	7	Max WS	1D+2D_Tr200_1.5h	4.35	37.21	38.41		38.51	0.004001	1.37	3.17	3.79	0.48
Nonno	7	Max WS	1D+2D_Tr200_0.5h	7.63	37.21	38.64		38.82	0.006176	1.86	4.09	4.14	0.60
Nonno	7	Max WS	1D+2D_Tr30_1.5h	2.94	37.21	38.22		38.29	0.003629	1.19	2.47	3.45	0.45
Nonno	7	Max WS	1D+2D_Tr30_0.5h	5.34	37.21	38.50		38.62	0.004561	1.52	3.52	3.95	0.51
Nonno	6.99			Lat Struct									
Nonno	6	Max WS	1D+2D_Tr200_1.5h	4.35	36.87	38.37		38.49	0.005447	1.50	2.90	3.44	0.52
Nonno	6	Max WS	1D+2D_Tr200_0.5h	7.63	36.87	38.58		38.80	0.009018	2.08	3.67	3.86	0.68
Nonno	6	Max WS	1D+2D_Tr30_1.5h	2.94	36.87	38.18		38.27	0.004683	1.29	2.29	3.07	0.48
Nonno	6	Max WS	1D+2D_Tr30_0.5h	5.34	36.87	38.46		38.60	0.006353	1.67	3.20	3.61	0.57
Nonno	5	Max WS	1D+2D_Tr200_1.5h	4.35	36.95	38.26	38.39	38.69	0.033726	2.90	1.51	3.67	1.17
Nonno	5	Max WS	1D+2D_Tr200_0.5h	7.32	36.95	38.43	38.60	39.03	0.040377	3.53	2.21	4.21	1.34
Nonno	5	Max WS	1D+2D_Tr30_1.5h	2.94	36.95	38.07	38.13	38.44	0.035083	2.70	1.09	1.95	1.15
Nonno	5	Max WS	1D+2D_Tr30_0.5h	5.32	36.95	38.34	38.47	38.80	0.033818	3.06	1.83	4.02	1.20
Nonno	4.99			Lat Struct									
Nonno	4	Max WS	1D+2D_Tr200_1.5h	4.35	36.46	37.69		38.00	0.018305	2.44	1.78	2.06	0.84
Nonno	4	Max WS	1D+2D_Tr200_0.5h	5.72	36.46	37.82		38.21	0.022219	2.80	2.04	2.18	0.92
Nonno	4	Max WS	1D+2D_Tr30_1.5h	2.94	36.46	37.49		37.72	0.016122	2.12	1.39	1.87	0.79
Nonno	4	Max WS	1D+2D_Tr30_0.5h	5.11	36.46	37.75		38.12	0.021022	2.67	1.91	2.12	0.90
Nonno	3	Max WS	1D+2D_Tr200_1.5h	1.25	36.06	37.37		37.39	0.001067	0.61	2.03	2.08	0.20
Nonno	3	Max WS	1D+2D_Tr200_0.5h	5.05	36.06	37.28		37.66	0.022010	2.72	1.86	2.04	0.91
Nonno	3	Max WS	1D+2D_Tr30_1.5h	0.55	36.06	37.21		37.21	0.000325	0.32	1.70	2.01	0.11
Nonno	3	Max WS	1D+2D_Tr30_0.5h	4.87	36.06	37.24	37.20	37.63	0.023530	2.76	1.76	2.02	0.94
Nonno	2	Max WS	1D+2D_Tr200_1.5h	4.29	35.81	37.27		37.34	0.002708	1.21	3.56	3.18	0.36
Nonno	2	Max WS	1D+2D_Tr200_0.5h	4.59	35.81	37.09		37.21	0.004903	1.52	3.01	3.18	0.50
Nonno	2	Max WS	1D+2D_Tr30_1.5h	4.46	35.81	37.04		37.16	0.005476	1.57	2.84	3.18	0.53
Nonno	2	Max WS	1D+2D_Tr30_0.5h	4.18	35.81	36.97		37.10	0.005950	1.59	2.63	3.18	0.56
Nonno	1	Max WS	1D+2D_Tr200_1.5h	4.93	35.53	37.18		37.28	0.003920	1.42	3.48	2.75	0.40
Nonno	1	Max WS	1D+2D_Tr200_0.5h	3.66	35.53	37.07		37.14	0.002761	1.15	3.18	2.75	0.34

Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Nonno	1	Max WS	1D+2D_Tr30_1.5h	3.52	35.53	37.01		37.08	0.002940	1.17	3.01	2.75	0.36
Nonno	1	Max WS	1D+2D_Tr30_0.5h	3.36	35.53	36.94		37.01	0.003248	1.20	2.81	2.75	0.38

Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Inconorata	28	Max WS	1D+2D_Tr200_1.5h	5.32	41.89	42.68	42.70	43.00	0.018816	2.48	2.15	3.70	1.04
Inconorata	28	Max WS	1D+2D_Tr200_0.5h	9.14	41.89	42.92	42.98	43.37	0.020361	2.95	3.10	4.30	1.11
Inconorata	28	Max WS	1D+2D_Tr30_1.5h	3.57	41.89	42.54	42.53	42.78	0.017809	2.18	1.64	3.34	0.99
Inconorata	28	Max WS	1D+2D_Tr30_0.5h	6.33	41.89	42.75	42.78	43.10	0.019313	2.62	2.41	3.88	1.06
Inconorata	27.99			Lat Struct									
Inconorata	27.98			Lat Struct									
Inconorata	27	Max WS	1D+2D_Tr200_1.5h	5.32	41.78	42.49	42.51	42.78	0.019559	2.40	2.22	4.37	1.08
Inconorata	27	Max WS	1D+2D_Tr200_0.5h	9.13	41.78	42.72	42.76	43.10	0.019004	2.75	3.32	5.16	1.09
Inconorata	27	Max WS	1D+2D_Tr30_1.5h	3.57	41.78	42.35	42.37	42.59	0.020638	2.19	1.63	3.88	1.08
Inconorata	27	Max WS	1D+2D_Tr30_0.5h	6.32	41.78	42.56	42.59	42.88	0.019323	2.50	2.52	4.60	1.08
Inconorata	26	Max WS	1D+2D_Tr200_1.5h	5.32	41.41	42.32	42.34	42.64	0.018776	2.47	2.15	3.73	1.04
Inconorata	26	Max WS	1D+2D_Tr200_0.5h	9.12	41.41	42.55	42.62	43.00	0.021583	2.99	3.05	4.38	1.14
Inconorata	26	Max WS	1D+2D_Tr30_1.5h	3.57	41.41	42.19	42.17	42.42	0.016940	2.15	1.66	3.32	0.97
Inconorata	26	Max WS	1D+2D_Tr30_0.5h	6.32	41.41	42.39	42.42	42.74	0.019654	2.63	2.40	3.92	1.07
Inconorata	25	Max WS	1D+2D_Tr200_1.5h	5.32	41.33	41.98	42.11	42.43	0.035614	2.94	1.81	4.21	1.43
Inconorata	25	Max WS	1D+2D_Tr200_0.5h	9.12	41.33	42.17	42.35	42.77	0.036454	3.42	2.67	5.01	1.50
Inconorata	25	Max WS	1D+2D_Tr30_1.5h	3.57	41.33	41.87	41.97	42.22	0.035196	2.63	1.36	3.71	1.39
Inconorata	25	Max WS	1D+2D_Tr30_0.5h	6.31	41.33	42.04	42.18	42.52	0.035844	3.09	2.04	4.44	1.45
Inconorata	24	Max WS	1D+2D_Tr200_1.5h	5.32	41.10	41.78	41.90	42.20	0.035944	2.88	1.85	4.52	1.44
Inconorata	24	Max WS	1D+2D_Tr200_0.5h	9.12	41.10	41.96	42.13	42.52	0.035800	3.30	2.76	5.46	1.48
Inconorata	24	Max WS	1D+2D_Tr30_1.5h	3.57	41.10	41.66	41.76	42.01	0.036055	2.60	1.37	3.94	1.41
Inconorata	24	Max WS	1D+2D_Tr30_0.5h	6.31	41.10	41.83	41.97	42.29	0.035927	3.01	2.10	4.79	1.45
Inconorata	23	Max WS	1D+2D_Tr200_1.5h	5.32	40.58	41.20	41.31	41.60	0.033744	2.82	1.89	4.54	1.40
Inconorata	23	Max WS	1D+2D_Tr200_0.5h	9.11	40.58	41.39	41.54	41.91	0.031545	3.18	2.87	5.47	1.40
Inconorata	23	Max WS	1D+2D_Tr30_1.5h	3.57	40.58	41.08	41.17	41.42	0.035535	2.58	1.38	3.98	1.40
Inconorata	23	Max WS	1D+2D_Tr30_0.5h	6.31	40.58	41.25	41.38	41.69	0.033056	2.93	2.15	4.81	1.40
Inconorata	22	Max WS	1D+2D_Tr200_1.5h	5.32	40.17	40.96		41.14	0.011609	1.92	2.78	5.33	0.85
Inconorata	22	Max WS	1D+2D_Tr200_0.5h	9.11	40.17	41.16		41.43	0.013082	2.31	3.94	6.24	0.93
Inconorata	22	Max WS	1D+2D_Tr30_1.5h	3.57	40.17	40.83		40.97	0.010562	1.66	2.15	4.77	0.79
Inconorata	22	Max WS	1D+2D_Tr30_0.5h	6.30	40.17	41.01		41.23	0.012062	2.03	3.10	5.59	0.87
Inconorata	21	Max WS	1D+2D_Tr200_1.5h	5.32	40.12	40.81	40.94	41.26	0.036369	2.97	1.79	4.14	1.44
Inconorata	21	Max WS	1D+2D_Tr200_0.5h	9.11	40.12	41.00	41.18	41.60	0.036552	3.43	2.65	4.95	1.50
Inconorata	21	Max WS	1D+2D_Tr30_1.5h	3.57	40.12	40.69	40.79	41.05	0.036343	2.67	1.34	3.64	1.41
Inconorata	21	Max WS	1D+2D_Tr30_0.5h	6.30	40.12	40.86	41.01	41.35	0.036449	3.11	2.02	4.38	1.46
Inconorata	20	Max WS	1D+2D_Tr200_1.5h	5.32	39.75	40.32	40.59	41.21	0.084001	4.18	1.27	3.25	2.14
Inconorata	20	Max WS	1D+2D_Tr200_0.5h	9.10	39.75	40.50	40.84	41.63	0.078163	4.71	1.93	3.88	2.13
Inconorata	20	Max WS	1D+2D_Tr30_1.5h	3.57	39.75	40.21	40.43	40.94	0.087025	3.79	0.94	2.88	2.12
Inconorata	20	Max WS	1D+2D_Tr30_0.5h	6.30	39.75	40.37	40.66	41.33	0.082414	4.35	1.45	3.43	2.14
Inconorata	19	Max WS	1D+2D_Tr200_1.5h	5.32	39.37	40.01	40.23	40.70	0.058419	3.69	1.44	3.34	1.79
Inconorata	19	Max WS	1D+2D_Tr200_0.5h	9.10	39.37	40.22	40.49	41.08	0.052856	4.11	2.21	4.00	1.76
Inconorata	19	Max WS	1D+2D_Tr30_1.5h	3.57	39.37	39.89	40.07	40.46	0.061021	3.36	1.06	2.97	1.79
Inconorata	19	Max WS	1D+2D_Tr30_0.5h	6.30	39.37	40.07	40.31	40.82	0.056970	3.83	1.65	3.53	1.79
Inconorata	18	Max WS	1D+2D_Tr200_1.5h	5.32	39.08	39.72	40.00	40.60	0.070601	4.14	1.28	2.66	1.90
Inconorata	18	Max WS	1D+2D_Tr200_0.5h	9.10	39.08	39.96	40.31	41.05	0.064196	4.63	1.97	3.12	1.86
Inconorata	18	Max WS	1D+2D_Tr30_1.5h	3.57	39.08	39.60	39.82	40.30	0.070425	3.70	0.96	2.41	1.87
Inconorata	18	Max WS	1D+2D_Tr30_0.5h	6.30	39.08	39.79	40.09	40.74	0.069735	4.32	1.46	2.78	1.91
Inconorata	17	Max WS	1D+2D_Tr200_1.5h	5.32	38.82	39.53	39.66	40.00	0.034846	3.05	1.75	3.58	1.39
Inconorata	17	Max WS	1D+2D_Tr200_0.5h	9.10	38.82	39.79	39.93	40.34	0.028516	3.29	2.77	4.29	1.31
Inconorata	17	Max WS	1D+2D_Tr30_1.5h	3.57	38.82	39.40	39.50	39.78	0.034428	2.71	1.32	3.24	1.36
Inconorata	17	Max WS	1D+2D_Tr30_0.5h	6.30	38.82	39.60	39.74	40.10	0.033810	3.16	1.99	3.77	1.39
Inconorata	16	Max WS	1D+2D_Tr200_1.5h	5.32	38.66	39.31	39.47	39.84	0.040895	3.25	1.64	3.48	1.51
Inconorata	16	Max WS	1D+2D_Tr200_0.5h	9.09	38.66	39.63	39.73	40.12	0.024272	3.11	2.93	4.41	1.22
Inconorata	16	Max WS	1D+2D_Tr30_1.5h	3.57	38.66	39.15	39.31	39.66	0.052699	3.18	1.12	3.03	1.67
Inconorata	16	Max WS	1D+2D_Tr30_0.5h	6.29	38.66	39.39	39.54	39.92	0.035454	3.23	1.95	3.72	1.43
Inconorata	15	Max WS	1D+2D_Tr200_1.5h	5.32	38.22	39.13	39.19	39.51	0.023896	2.76	1.93	3.32	1.15
Inconorata	15	Max WS	1D+2D_Tr200_0.5h	9.08	38.22	39.53		39.88	0.014602	2.63	3.45	4.32	0.94
Inconorata	15	Max WS	1D+2D_Tr30_1.5h	3.57	38.22	38.90	39.01	39.32	0.035709	2.88	1.24	2.74	1.37
Inconorata	15	Max WS	1D+2D_Tr30_0.5h	6.29	38.22	39.24	39.28	39.62	0.020462	2.72	2.32	3.60	1.08
Inconorata	14	Max WS	1D+2D_Tr200_1.5h	5.32	37.86	39.04		39.22	0.007889	1.85	2.88	3.69	0.67
Inconorata	14	Max WS	1D+2D_Tr200_0.5h	9.08	37.86	39.47		39.67	0.006304	1.94	4.67	4.61	0.62
Inconorata	14	Max WS	1D+2D_Tr30_1.5h	3.57	37.86	38.78		38.94	0.009724	1.80	1.98	3.13	0.73
Inconorata	14	Max WS	1D+2D_Tr30_0.5h	6.28	37.86	39.16		39.34	0.007340	1.88	3.35	3.96	0.65
Inconorata	13	Max WS	1D+2D_Tr200_1.5h	5.32	37.71	38.99		39.18	0.008736	1.93	2.75	3.31	0.68
Inconorata	13	Max WS	1D+2D_Tr200_0.5h	9.08	37.71	39.42		39.64	0.007431	2.08	4.37	4.08	0.64
Inconorata	13	Max WS	1D+2D_Tr30_1.5h	3.57	37.71	38.71		38.89	0.010421	1.87	1.91	2.83	0.73
Inconorata	13	Max WS	1D+2D_Tr30_0.5h	6.28	37.71	39.11		39.31	0.008275	1.97	3.18	3.53	0.66
Inconorata	12	Max WS	1D+2D_Tr200_1.5h	5.32	37.34	38.91		39.21	0.016383	2.40	2.21	1.95	0.72
Inconorata	12	Max WS	1D+2D_Tr200_0.5h	9.07	37.34	39.35		39.78	0.019525	2.89	3.14	2.25	0.78
Inconorata	12	Max WS	1D+2D_Tr30_1.5h	3.57	37.34	38.65		38.87	0.014130	2.08	1.72	1.77	0.67
Inconorata	12	Max WS	1D+2D_Tr30_0.5h	6.28	37.34	39.04		39.37	0.017374	2.55	2.46	2.04	0.74
Inconorata	11	Max WS	1D+2D_Tr200_1.5h	5.32	37.31	38.41	38.48	38.91	0.030683	3.13	1.70	2.18	1.13
Inconorata	11	Max WS	1D+2D_Tr200_0.5h	9.06	37.31	38.82	38.88	39.40	0.026680	3.37	2.69	2.65	1.07
Inconorata	11	Max WS	1D+2D_Tr30_1.5h	3.57	37.31	38.18	38.25	38.61	0.033361	2.93	1.22	1.91	1.17
Inconorata	11	Max WS	1D+2D_Tr30_0.5h	6.27	37.31	38.53	38.59	39.05	0.029553	3.21	1.95	2.31	1.11

HEC-RAS River: Incononata Reach: Incononata Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E. G. Elev (m)	E. G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Incononata	10	Max WS	1D+2D_Tr200_1.5h	5.32	36.78	38.14		38.48	0.018721	2.58	2.06	2.26	0.86
Incononata	10	Max WS	1D+2D_Tr200_0.5h	9.05	36.78	38.57		38.99	0.017856	2.87	3.16	2.73	0.85
Incononata	10	Max WS	1D+2D_Tr30_1.5h	3.57	36.78	37.89		38.16	0.018439	2.33	1.53	1.99	0.85
Incononata	10	Max WS	1D+2D_Tr30_0.5h	6.27	36.78	38.26		38.62	0.018649	2.68	2.34	2.39	0.86
Incononata	9	Max WS	1D+2D_Tr200_1.5h	5.32	36.62	38.00		38.13	0.005468	1.61	3.29	3.64	0.54
Incononata	9	Max WS	1D+2D_Tr200_0.5h	9.04	36.62	38.46		38.61	0.004814	1.76	5.14	4.39	0.52
Incononata	9	Max WS	1D+2D_Tr30_1.5h	3.57	36.62	37.75		37.86	0.005543	1.47	2.43	3.19	0.54
Incononata	9	Max WS	1D+2D_Tr30_0.5h	6.26	36.62	38.12		38.27	0.005338	1.67	3.76	3.86	0.54
Incononata	8	Max WS	1D+2D_Tr200_1.5h	5.32	36.67	38.01		38.06	0.001594	1.00	5.32	5.28	0.32
Incononata	8	Max WS	1D+2D_Tr200_0.5h	9.04	36.67	38.47		38.54	0.001505	1.14	7.95	5.90	0.31
Incononata	8	Max WS	1D+2D_Tr30_1.5h	3.57	36.67	37.75		37.79	0.001548	0.89	4.03	4.78	0.31
Incononata	8	Max WS	1D+2D_Tr30_0.5h	6.26	36.67	38.13		38.19	0.001588	1.04	6.00	5.52	0.32
Incononata	7	Max WS	1D+2D_Tr200_1.5h	5.32	36.68	37.98		38.09	0.002113	1.48	3.60	4.80	0.43
Incononata	7	Max WS	1D+2D_Tr200_0.5h	9.04	36.68	38.43		38.60	0.002118	1.83	4.95	5.51	0.45
Incononata	7	Max WS	1D+2D_Tr30_1.5h	3.57	36.68	37.73		37.81	0.002057	1.25	2.86	4.41	0.41
Incononata	7	Max WS	1D+2D_Tr30_0.5h	6.26	36.68	38.10		38.22	0.002124	1.58	3.97	4.99	0.44
Incononata	6.5			Culvert									
Incononata	6	Max WS	1D+2D_Tr200_1.5h	5.32	35.23	36.32		36.48	0.003735	1.75	3.03	4.10	0.56
Incononata	6	Max WS	1D+2D_Tr200_0.5h	9.04	35.23	36.83		37.03	0.002742	1.97	4.58	4.58	0.51
Incononata	6	Max WS	1D+2D_Tr30_1.5h	3.56	35.23	35.96		36.13	0.007138	1.81	1.97	3.77	0.72
Incononata	6	Max WS	1D+2D_Tr30_0.5h	6.26	35.23	36.40		36.59	0.003998	1.91	3.28	4.18	0.58
Incononata	5	Max WS	1D+2D_Tr200_1.5h	5.32	35.08	36.34	35.82	36.42	0.002722	1.24	4.28	4.22	0.39
Incononata	5	Max WS	1D+2D_Tr200_0.5h	9.04	35.08	36.85	36.08	36.95	0.002427	1.38	6.54	4.64	0.37
Incononata	5	Max WS	1D+2D_Tr30_1.5h	3.56	35.08	35.97	35.67	36.05	0.004246	1.29	2.76	3.87	0.49
Incononata	5	Max WS	1D+2D_Tr30_0.5h	6.26	35.08	36.40	35.89	36.50	0.003173	1.38	4.55	4.28	0.43

Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Bizzughello	21	Max WS	1D+2D_Tr200_1.5h	39.99	34.87	37.23	37.30	38.02	0.016870	3.92	10.19	7.53	1.08
Bizzughello	21	Max WS	1D+2D_Tr200_0.5h	31.32	34.87	37.02	37.07	37.69	0.016276	3.62	8.66	7.22	1.05
Bizzughello	21	Max WS	1D+2D_Tr30_1.5h	24.21	34.87	36.82	36.85	37.39	0.016076	3.35	7.22	6.77	1.04
Bizzughello	21	Max WS	1D+2D_Tr30_0.5h	18.93	34.87	36.64	36.64	37.14	0.015346	3.12	6.07	6.10	1.00
Bizzughello	20.9			Lat Struct									
Bizzughello	18	Max WS	1D+2D_Tr200_1.5h	39.88	34.52	36.67	36.92	37.74	0.024930	4.58	8.72	6.88	1.30
Bizzughello	18	Max WS	1D+2D_Tr200_0.5h	31.29	34.52	36.48	36.69	37.39	0.024607	4.23	7.40	6.69	1.28
Bizzughello	18	Max WS	1D+2D_Tr30_1.5h	24.20	34.52	36.30	36.46	37.07	0.023445	3.88	6.24	6.25	1.24
Bizzughello	18	Max WS	1D+2D_Tr30_0.5h	18.91	34.52	36.15	36.27	36.79	0.022319	3.57	5.31	5.83	1.19
Bizzughello	17	Max WS	1D+2D_Tr200_1.5h	39.15	34.51	36.43	36.40	36.99	0.012692	3.32	11.79	9.99	0.98
Bizzughello	17	Max WS	1D+2D_Tr200_0.5h	30.99	34.51	36.24	36.22	36.74	0.013147	3.14	9.88	9.50	0.98
Bizzughello	17	Max WS	1D+2D_Tr30_1.5h	24.14	34.51	36.06	36.04	36.50	0.013642	2.94	8.22	9.13	0.99
Bizzughello	17	Max WS	1D+2D_Tr30_0.5h	18.91	34.51	35.90	35.90	36.29	0.014607	2.78	6.80	8.81	1.01
Bizzughello	16	Max WS	1D+2D_Tr200_1.5h	39.96	34.41	36.30	36.43	37.05	0.018464	3.84	10.41	9.71	1.18
Bizzughello	16	Max WS	1D+2D_Tr200_0.5h	31.27	34.41	36.09	36.24	36.79	0.020081	3.69	8.48	8.98	1.21
Bizzughello	16	Max WS	1D+2D_Tr30_1.5h	24.19	34.41	35.90	36.04	36.54	0.022199	3.54	6.83	8.35	1.25
Bizzughello	16	Max WS	1D+2D_Tr30_0.5h	18.90	34.41	35.73	35.88	36.35	0.026363	3.48	5.43	7.77	1.33
Bizzughello	15	Max WS	1D+2D_Tr200_1.5h	39.96	34.11	36.08	36.37	37.12	0.026875	4.52	8.84	8.15	1.39
Bizzughello	15	Max WS	1D+2D_Tr200_0.5h	31.27	34.11	35.85	36.15	36.86	0.030848	4.44	7.04	7.40	1.45
Bizzughello	15	Max WS	1D+2D_Tr30_1.5h	24.19	34.11	35.63	35.94	36.60	0.031904	4.37	5.54	6.05	1.46
Bizzughello	15	Max WS	1D+2D_Tr30_0.5h	18.90	34.11	35.43	35.75	36.37	0.036175	4.30	4.40	5.45	1.53
Bizzughello	12	Max WS	1D+2D_Tr200_1.5h	39.95	32.84	35.60	35.93	36.57	0.020014	4.38	9.15	6.35	1.09
Bizzughello	12	Max WS	1D+2D_Tr200_0.5h	31.24	32.84	35.34	35.39	36.17	0.019276	4.05	7.72	5.16	1.06
Bizzughello	12	Max WS	1D+2D_Tr30_1.5h	24.17	32.84	35.10	35.10	35.79	0.017920	3.69	6.54	4.79	1.01
Bizzughello	12	Max WS	1D+2D_Tr30_0.5h	18.88	32.84	34.85	34.85	35.47	0.018320	3.50	5.39	4.40	1.01
Bizzughello	11.99			Lat Struct									
Bizzughello	11	Max WS	1D+2D_Tr200_1.5h	39.94	32.55	35.48		35.95	0.007195	3.10	13.73	10.17	0.73
Bizzughello	11	Max WS	1D+2D_Tr200_0.5h	31.23	32.55	35.22		35.63	0.007262	2.89	11.28	8.78	0.72
Bizzughello	11	Max WS	1D+2D_Tr30_1.5h	24.16	32.55	34.99		35.34	0.006972	2.64	9.38	7.69	0.69
Bizzughello	11	Max WS	1D+2D_Tr30_0.5h	18.88	32.55	34.73		35.05	0.007534	2.50	7.58	6.49	0.71
Bizzughello	10.9			Lat Struct									
Bizzughello	10	Max WS	1D+2D_Tr200_1.5h	39.79	32.53	35.40	35.50	36.25	0.016292	4.14	10.11	7.67	0.99
Bizzughello	10	Max WS	1D+2D_Tr200_0.5h	31.22	32.53	35.14	35.25	35.92	0.017481	3.92	8.17	7.20	1.00
Bizzughello	10	Max WS	1D+2D_Tr30_1.5h	24.16	32.53	34.91	34.87	35.56	0.016661	3.57	6.77	4.85	0.97
Bizzughello	10	Max WS	1D+2D_Tr30_0.5h	18.87	32.53	34.65	34.61	35.24	0.017013	3.39	5.57	4.42	0.96
Bizzughello	9	Max WS	1D+2D_Tr200_1.5h	39.68	32.50	35.26	35.27	35.91	0.014864	3.56	11.14	8.73	1.01
Bizzughello	9	Max WS	1D+2D_Tr200_0.5h	31.21	32.50	34.99	34.98	35.60	0.015148	3.47	8.99	7.28	1.00
Bizzughello	9	Max WS	1D+2D_Tr30_1.5h	24.15	32.50	34.77	34.73	35.30	0.014796	3.23	7.47	6.57	0.97
Bizzughello	9	Max WS	1D+2D_Tr30_0.5h	18.87	32.50	34.50	34.51	35.04	0.017583	3.25	5.80	5.69	1.03
Bizzughello	8	Max WS	1D+2D_Tr200_1.5h	39.10	32.42	35.19	35.37	36.09	0.018874	4.23	9.58	8.46	1.06
Bizzughello	8	Max WS	1D+2D_Tr200_0.5h	31.21	32.42	34.90	35.11	35.77	0.021733	4.13	7.56	5.54	1.13
Bizzughello	8	Max WS	1D+2D_Tr30_1.5h	24.15	32.42	34.69	34.76	35.41	0.019903	3.76	6.42	5.05	1.06
Bizzughello	8	Max WS	1D+2D_Tr30_0.5h	18.86	32.42	34.41	34.49	35.11	0.022040	3.71	5.08	4.36	1.10
Bizzughello	7	Max WS	1D+2D_Tr200_1.5h	38.51	32.46	35.12	35.30	36.00	0.018235	4.20	9.53	8.54	1.02
Bizzughello	7	Max WS	1D+2D_Tr200_0.5h	31.19	32.46	34.82	34.92	35.70	0.021106	4.14	7.53	5.20	1.10
Bizzughello	7	Max WS	1D+2D_Tr30_1.5h	24.13	32.46	34.62	34.66	35.33	0.018936	3.72	6.48	4.92	1.04
Bizzughello	7	Max WS	1D+2D_Tr30_0.5h	18.85	32.46	34.32	34.41	35.02	0.021665	3.69	5.11	4.40	1.09
Bizzughello	6	Max WS	1D+2D_Tr200_1.5h	32.45	32.25	35.08		35.37	0.004545	2.41	13.48	6.74	0.54
Bizzughello	6	Max WS	1D+2D_Tr200_0.5h	29.21	32.25	34.76		35.10	0.005906	2.58	11.34	6.57	0.63
Bizzughello	6	Max WS	1D+2D_Tr30_1.5h	23.52	32.25	34.56		34.84	0.005270	2.33	10.08	6.37	0.59
Bizzughello	6	Max WS	1D+2D_Tr30_0.5h	18.83	32.25	34.25		34.52	0.006099	2.32	8.13	6.04	0.64
Bizzughello	5	Max WS	1D+2D_Tr200_1.5h	35.14	32.19	34.93		35.59	0.012636	3.60	9.77	5.38	0.85
Bizzughello	5	Max WS	1D+2D_Tr200_0.5h	30.79	32.19	34.61	34.61	35.36	0.016672	3.83	8.04	5.38	1.00
Bizzughello	5	Max WS	1D+2D_Tr30_1.5h	24.04	32.19	34.43		35.02	0.014344	3.39	7.09	5.22	0.93
Bizzughello	5	Max WS	1D+2D_Tr30_0.5h	18.83	32.19	34.11	34.11	34.71	0.017373	3.43	5.49	4.65	1.01
Bizzughello	4	Max WS	1D+2D_Tr200_1.5h	34.59	32.12	34.85		35.60	0.015039	3.82	9.06	5.00	0.91
Bizzughello	4	Max WS	1D+2D_Tr200_0.5h	30.53	32.12	34.50	34.60	35.39	0.021228	4.18	7.31	5.00	1.10
Bizzughello	4	Max WS	1D+2D_Tr30_1.5h	24.00	32.12	34.34	34.36	35.04	0.018087	3.70	6.49	4.87	1.02
Bizzughello	4	Max WS	1D+2D_Tr30_0.5h	18.79	32.12	33.99	34.11	34.74	0.023208	3.83	4.91	4.27	1.14
Bizzughello	3	Max WS	1D+2D_Tr200_1.5h	35.61	31.99	34.74		35.25	0.008899	3.14	11.33	6.42	0.76
Bizzughello	3	Max WS	1D+2D_Tr200_0.5h	28.37	31.99	34.34		34.88	0.011696	3.23	8.78	6.42	0.88
Bizzughello	3	Max WS	1D+2D_Tr30_1.5h	23.89	31.99	34.20		34.67	0.011437	3.05	7.85	6.36	0.88
Bizzughello	3	Max WS	1D+2D_Tr30_0.5h	15.76	31.99	33.82		34.22	0.012154	2.81	5.62	5.44	0.88
Bizzughello	2	Max WS	1D+2D_Tr200_1.5h	34.62	31.54	34.79		35.01	0.002992	2.07	16.69	7.82	0.45
Bizzughello	2	Max WS	1D+2D_Tr200_0.5h	23.86	31.54	34.34		34.51	0.002764	1.81	13.22	7.82	0.44
Bizzughello	2	Max WS	1D+2D_Tr30_1.5h	23.55	31.54	34.17		34.37	0.003668	1.98	11.87	7.78	0.51
Bizzughello	2	Max WS	1D+2D_Tr30_0.5h	14.74	31.54	33.79		33.93	0.003062	1.63	9.04	7.15	0.46
Bizzughello	1	Max WS	1D+2D_Tr200_1.5h	29.46	31.55	34.75		35.03	0.004535	2.33	12.63	6.17	0.52
Bizzughello	1	Max WS	1D+2D_Tr200_0.5h	23.89	31.55	34.28		34.59	0.006167	2.47	9.69	5.98	0.62
Bizzughello	1	Max WS	1D+2D_Tr30_1.5h	23.22	31.55	34.10		34.47	0.007818	2.68	8.88	5.76	0.70
Bizzughello	1	Max WS	1D+2D_Tr30_0.5h	14.55	31.55	33.73		33.98	0.006350	2.20	6.62	5.21	0.62

Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Acqua Nera_Monte	67	Max WS	1D+2D_Tr200_1.5h	35.74	37.68	39.71	39.89	40.85	0.025865	4.73	7.55	4.52	1.17
Acqua Nera_Monte	67	Max WS	1D+2D_Tr200_0.5h	27.32	37.68	39.48	39.59	40.38	0.022569	4.19	6.53	4.52	1.11
Acqua Nera_Monte	67	Max WS	1D+2D_Tr30_1.5h	23.05	37.68	39.36	39.42	40.12	0.020717	3.87	5.96	4.52	1.08
Acqua Nera_Monte	67	Max WS	1D+2D_Tr30_0.5h	18.00	37.68	39.19	39.21	39.80	0.018286	3.45	5.22	4.52	1.02
Acqua Nera_Monte	66.99			Lat Struct									
Acqua Nera_Monte	66.98			Lat Struct									
Acqua Nera_Monte	66	Max WS	1D+2D_Tr200_1.5h	23.85	37.49	39.27	39.30	40.03	0.019810	3.86	6.18	4.33	1.03
Acqua Nera_Monte	66	Max WS	1D+2D_Tr200_0.5h	18.66	37.49	39.10	39.08	39.70	0.017350	3.44	5.43	4.33	0.98
Acqua Nera_Monte	66	Max WS	1D+2D_Tr30_1.5h	16.02	37.49	39.01	38.97	39.53	0.015955	3.19	5.02	4.33	0.95
Acqua Nera_Monte	66	Max WS	1D+2D_Tr30_0.5h	12.88	37.49	38.88		39.30	0.014121	2.87	4.49	4.33	0.90
Acqua Nera_Monte	65	Max WS	1D+2D_Tr200_1.5h	19.99	37.46	39.08	39.28	40.08	0.031786	4.43	4.51	3.45	1.24
Acqua Nera_Monte	65	Max WS	1D+2D_Tr200_0.5h	15.81	37.46	38.93	39.06	39.73	0.027588	3.95	4.00	3.45	1.17
Acqua Nera_Monte	65	Max WS	1D+2D_Tr30_1.5h	13.67	37.46	38.85	38.94	39.54	0.025251	3.68	3.72	3.45	1.13
Acqua Nera_Monte	65	Max WS	1D+2D_Tr30_0.5h	11.14	37.46	38.75	38.79	39.31	0.022171	3.31	3.36	3.45	1.07
Acqua Nera_Monte	64	Max WS	1D+2D_Tr200_1.5h	17.67	37.44	38.94	39.00	39.63	0.021741	3.67	4.81	3.99	1.07
Acqua Nera_Monte	64	Max WS	1D+2D_Tr200_0.5h	14.05	37.44	38.81	38.82	39.36	0.018963	3.27	4.29	3.99	1.01
Acqua Nera_Monte	64	Max WS	1D+2D_Tr30_1.5h	12.21	37.44	38.74	38.72	39.21	0.017421	3.05	4.01	3.99	0.97
Acqua Nera_Monte	64	Max WS	1D+2D_Tr30_0.5h	10.05	37.44	38.65		39.04	0.015455	2.76	3.65	3.99	0.92
Acqua Nera_Monte	63	Max WS	1D+2D_Tr200_1.5h	10.01	37.31	38.50		38.80	0.011240	2.43	4.12	4.34	0.80
Acqua Nera_Monte	63	Max WS	1D+2D_Tr200_0.5h	8.61	37.31	38.42		38.69	0.010716	2.28	3.78	4.34	0.78
Acqua Nera_Monte	63	Max WS	1D+2D_Tr30_1.5h	7.86	37.31	38.38		38.62	0.010473	2.20	3.58	4.34	0.77
Acqua Nera_Monte	63	Max WS	1D+2D_Tr30_0.5h	6.94	37.31	38.32		38.54	0.010244	2.09	3.31	4.34	0.77
Acqua Nera_Monte	62	Max WS	1D+2D_Tr200_1.5h	8.85	36.98	38.13		38.40	0.010447	2.27	3.90	4.47	0.78
Acqua Nera_Monte	62	Max WS	1D+2D_Tr200_0.5h	7.76	36.98	38.07		38.30	0.010106	2.15	3.61	4.47	0.77
Acqua Nera_Monte	62	Max WS	1D+2D_Tr30_1.5h	7.16	36.98	38.03		38.25	0.010037	2.09	3.42	4.47	0.76
Acqua Nera_Monte	62	Max WS	1D+2D_Tr30_0.5h	6.39	36.98	37.97		38.18	0.010024	2.01	3.17	4.47	0.76
Acqua Nera_Monte	61	Max WS	1D+2D_Tr200_1.5h	8.11	36.75	37.91		38.13	0.008606	2.06	3.94	4.65	0.71
Acqua Nera_Monte	61	Max WS	1D+2D_Tr200_0.5h	7.21	36.75	37.85		38.05	0.008476	1.97	3.65	4.65	0.71
Acqua Nera_Monte	61	Max WS	1D+2D_Tr30_1.5h	6.65	36.75	37.81		38.00	0.008377	1.91	3.47	4.65	0.71
Acqua Nera_Monte	61	Max WS	1D+2D_Tr30_0.5h	5.91	36.75	37.76		37.93	0.008237	1.83	3.23	4.65	0.70
Acqua Nera_Monte	60	Max WS	1D+2D_Tr200_1.5h	8.73	36.58	37.70		38.04	0.014400	2.57	3.39	4.16	0.91
Acqua Nera_Monte	60	Max WS	1D+2D_Tr200_0.5h	7.79	36.58	37.64		37.95	0.014250	2.47	3.15	4.16	0.91
Acqua Nera_Monte	60	Max WS	1D+2D_Tr30_1.5h	7.21	36.58	37.61		37.90	0.014061	2.40	3.00	4.16	0.90
Acqua Nera_Monte	60	Max WS	1D+2D_Tr30_0.5h	6.42	36.58	37.56		37.82	0.013764	2.30	2.80	4.16	0.89
Acqua Nera_Monte	59	Max WS	1D+2D_Tr200_1.5h	8.73	36.46	37.47	37.48	37.86	0.018213	2.80	3.12	4.16	1.03
Acqua Nera_Monte	59	Max WS	1D+2D_Tr200_0.5h	7.87	36.46	37.41	37.43	37.79	0.018808	2.74	2.87	4.16	1.05
Acqua Nera_Monte	59	Max WS	1D+2D_Tr30_1.5h	7.35	36.46	37.37	37.40	37.74	0.019120	2.69	2.73	4.16	1.06
Acqua Nera_Monte	59	Max WS	1D+2D_Tr30_0.5h	6.64	36.46	37.33	37.35	37.68	0.019372	2.62	2.54	4.16	1.07
Acqua Nera_Monte	58	Max WS	1D+2D_Tr200_1.5h	8.49	36.08	37.30	37.45	37.92	0.041294	3.49	2.43	3.43	1.32
Acqua Nera_Monte	58	Max WS	1D+2D_Tr200_0.5h	7.75	36.08	37.23	37.39	37.87	0.047374	3.54	2.19	3.43	1.42
Acqua Nera_Monte	58	Max WS	1D+2D_Tr30_1.5h	7.29	36.08	37.19	37.36	37.84	0.051678	3.57	2.04	3.43	1.48
Acqua Nera_Monte	58	Max WS	1D+2D_Tr30_0.5h	6.63	36.08	37.13	37.32	37.78	0.056692	3.57	1.86	3.43	1.55
Acqua Nera_Monte	57	Max WS	1D+2D_Tr200_1.5h	8.49	35.81	37.18		37.51	0.013009	2.53	3.36	3.71	0.85
Acqua Nera_Monte	57	Max WS	1D+2D_Tr200_0.5h	7.86	35.81	37.09		37.43	0.014953	2.60	3.02	3.60	0.91
Acqua Nera_Monte	57	Max WS	1D+2D_Tr30_1.5h	7.36	35.81	37.03		37.38	0.015912	2.62	2.81	3.54	0.94
Acqua Nera_Monte	57	Max WS	1D+2D_Tr30_0.5h	6.70	35.81	36.96	36.94	37.31	0.017066	2.62	2.56	3.45	0.97
Acqua Nera_Monte	56	Max WS	1D+2D_Tr200_1.5h	8.28	35.68	37.18		37.36	0.006003	1.87	4.43	4.21	0.58
Acqua Nera_Monte	56	Max WS	1D+2D_Tr200_0.5h	7.86	35.68	37.07		37.27	0.007269	1.98	3.97	4.07	0.64
Acqua Nera_Monte	56	Max WS	1D+2D_Tr30_1.5h	7.36	35.68	37.01		37.21	0.007546	1.97	3.73	3.99	0.65
Acqua Nera_Monte	56	Max WS	1D+2D_Tr30_0.5h	6.70	35.68	36.94		37.13	0.007789	1.95	3.44	3.89	0.66
Acqua Nera_Medio	55	Max WS	1D+2D_Tr200_1.5h	13.20	35.37	37.18	37.18	37.88	0.027003	3.71	3.56	2.54	1.00
Acqua Nera_Medio	55	Max WS	1D+2D_Tr200_0.5h	11.53	35.37	37.07	37.06	37.70	0.025495	3.51	3.28	2.54	0.99
Acqua Nera_Medio	55	Max WS	1D+2D_Tr30_1.5h	10.88	35.37	37.01	37.01	37.63	0.025745	3.48	3.13	2.54	1.00
Acqua Nera_Medio	55	Max WS	1D+2D_Tr30_0.5h	10.06	35.37	36.94	36.95	37.53	0.025946	3.42	2.94	2.54	1.01
Acqua Nera_Medio	54.99			Lat Struct									
Acqua Nera_Medio	54.98			Lat Struct									
Acqua Nera_Medio	54	Max WS	1D+2D_Tr200_1.5h	8.13	35.01	37.05		37.22	0.006874	1.81	4.50	3.72	0.53
Acqua Nera_Medio	54	Max WS	1D+2D_Tr200_0.5h	7.32	35.01	36.95		37.11	0.007155	1.78	4.12	3.72	0.54
Acqua Nera_Medio	54	Max WS	1D+2D_Tr30_1.5h	7.02	35.01	36.87		37.04	0.008200	1.84	3.82	3.72	0.58
Acqua Nera_Medio	54	Max WS	1D+2D_Tr30_0.5h	6.66	35.01	36.77		36.96	0.009886	1.93	3.46	3.72	0.64
Acqua Nera_Medio	53	Max WS	1D+2D_Tr200_1.5h	9.74	34.82	37.02		37.13	0.003042	1.49	6.54	4.03	0.37
Acqua Nera_Medio	53	Max WS	1D+2D_Tr200_0.5h	8.75	34.82	36.94		37.04	0.002809	1.41	6.23	4.03	0.36
Acqua Nera_Medio	53	Max WS	1D+2D_Tr30_1.5h	8.41	34.82	36.83		36.94	0.003159	1.45	5.80	4.03	0.39
Acqua Nera_Medio	53	Max WS	1D+2D_Tr30_0.5h	8.00	34.82	36.72		36.84	0.003553	1.49	5.36	4.03	0.41
Acqua Nera_Medio	52	Max WS	1D+2D_Tr200_1.5h	10.41	34.60	36.99		37.12	0.003526	1.59	6.53	4.07	0.40
Acqua Nera_Medio	52	Max WS	1D+2D_Tr200_0.5h	9.32	34.60	36.93		37.04	0.003135	1.48	6.29	4.07	0.38
Acqua Nera_Medio	52	Max WS	1D+2D_Tr30_1.5h	9.39	34.60	36.79		36.93	0.004095	1.64	5.74	4.07	0.44
Acqua Nera_Medio	52	Max WS	1D+2D_Tr30_0.5h	9.16	34.60	36.66		36.82	0.005104	1.76	5.21	4.07	0.50
Acqua Nera_Medio	51	Max WS	1D+2D_Tr200_1.5h	12.62	34.55	36.85		37.08	0.006969	2.13	5.92	4.28	0.58
Acqua Nera_Medio	51	Max WS	1D+2D_Tr200_0.5h	12.32	34.55	36.78		37.03	0.007649	2.19	5.63	4.28	0.61
Acqua Nera_Medio	51	Max WS	1D+2D_Tr30_1.5h	11.57	34.55	36.67		36.92	0.007389	2.23	5.18	3.56	0.59
Acqua Nera_Medio	51	Max WS	1D+2D_Tr30_0.5h	10.77	34.55	36.54		36.80	0.008236	2.29	4.71	3.48	0.63
Acqua Nera_Medio	50	Max WS	1D+2D_Tr200_1.5h	23.76	34.08	36.20	36.41	37.34	0.033446	4.71	5.04	3.23	1.20
Acqua Nera_Medio	50	Max WS	1D+2D_Tr200_0.5h	23.89	34.08	35.96	36.42	37.57	0.053265	5.62	4.25	3.23	1.57
Acqua Nera_Medio	50	Max WS	1D+2D_Tr30_1.5h	21.34	34.08	35.81	36.29	37.45	0.059088	5.67	3.76	3.23	1.68
Acqua Nera_Medio	50	Max WS	1D+2D_Tr30_0.5h	17.86	34.08	35.60	36.10	37.29	0.069647	5.75	3.10	3.15	1.85
Acqua Nera_Medio	49	Max WS	1D+2D_Tr200_1.5h	35.40	33.11	35.99	36.00	36.92	0.020195	4.25	8.32	4.56	1.01

Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Acqua Nera_Medio	49	Max WS	1D+2D_Tr200_0.5h	28.08	33.11	35.67	35.72	36.52	0.021308	4.09	6.87	4.42	1.05
Acqua Nera_Medio	49	Max WS	1D+2D_Tr30_1.5h	23.50	33.11	35.50	35.53	36.25	0.020345	3.84	6.12	4.27	1.02
Acqua Nera_Medio	49	Max WS	1D+2D_Tr30_0.5h	18.40	33.11	35.27	35.28	35.92	0.019979	3.58	5.15	4.05	1.01
Acqua Nera_Medio	48	Max WS	1D+2D_Tr200_1.5h	36.43	33.17	35.93		36.59	0.012706	3.61	10.09	5.83	0.88
Acqua Nera_Medio	48	Max WS	1D+2D_Tr200_0.5h	27.80	33.17	35.61		36.18	0.012668	3.37	8.26	5.44	0.87
Acqua Nera_Medio	48	Max WS	1D+2D_Tr30_1.5h	23.41	33.17	35.44		35.95	0.012154	3.18	7.37	5.15	0.85
Acqua Nera_Medio	48	Max WS	1D+2D_Tr30_0.5h	18.39	33.17	35.21		35.65	0.011798	2.96	6.21	4.76	0.83
Acqua Nera_Medio	47	Max WS	1D+2D_Tr200_1.5h	36.28	33.14	35.89		36.48	0.011246	3.42	10.61	6.58	0.86
Acqua Nera_Medio	47	Max WS	1D+2D_Tr200_0.5h	27.61	33.14	35.56		36.09	0.011418	3.22	8.58	5.94	0.85
Acqua Nera_Medio	47	Max WS	1D+2D_Tr30_1.5h	23.36	33.14	35.40		35.88	0.011226	3.07	7.62	5.61	0.84
Acqua Nera_Medio	47	Max WS	1D+2D_Tr30_0.5h	18.39	33.14	35.16		35.59	0.011209	2.89	6.36	5.15	0.83
Acqua Nera_Medio	46	Max WS	1D+2D_Tr200_1.5h	36.10	32.98	35.68		36.37	0.013527	3.67	9.83	6.08	0.92
Acqua Nera_Medio	46	Max WS	1D+2D_Tr200_0.5h	27.30	32.98	35.36		35.96	0.013586	3.43	7.95	5.49	0.91
Acqua Nera_Medio	46	Max WS	1D+2D_Tr30_1.5h	23.29	32.98	35.19		35.75	0.013517	3.30	7.07	5.20	0.90
Acqua Nera_Medio	46	Max WS	1D+2D_Tr30_0.5h	18.39	32.98	34.96		35.45	0.013577	3.12	5.90	4.77	0.89
Acqua Nera_Medio	45	Max WS	1D+2D_Tr200_1.5h	36.08	32.88	35.53		36.12	0.011191	3.39	10.63	6.82	0.87
Acqua Nera_Medio	45	Max WS	1D+2D_Tr200_0.5h	27.27	32.88	35.20		35.73	0.011554	3.21	8.51	6.12	0.87
Acqua Nera_Medio	45	Max WS	1D+2D_Tr30_1.5h	23.28	32.88	35.03		35.52	0.011686	3.10	7.52	5.77	0.87
Acqua Nera_Medio	45	Max WS	1D+2D_Tr30_0.5h	18.39	32.88	34.80		35.24	0.012119	2.96	6.21	5.27	0.87
Acqua Nera_Medio	44	Max WS	1D+2D_Tr200_1.5h	36.07	32.80	35.44		35.91	0.008220	3.02	11.93	7.38	0.76
Acqua Nera_Medio	44	Max WS	1D+2D_Tr200_0.5h	27.25	32.80	35.11		35.52	0.008343	2.84	9.61	6.67	0.75
Acqua Nera_Medio	44	Max WS	1D+2D_Tr30_1.5h	23.28	32.80	34.95		35.33	0.008365	2.73	8.53	6.30	0.75
Acqua Nera_Medio	44	Max WS	1D+2D_Tr30_0.5h	18.38	32.80	34.71		35.05	0.008584	2.60	7.08	5.78	0.75
Acqua Nera_Medio	43	Max WS	1D+2D_Tr200_1.5h	36.07	32.76	35.40		35.95	0.009887	3.27	11.04	6.69	0.81
Acqua Nera_Medio	43	Max WS	1D+2D_Tr200_0.5h	27.25	32.76	35.07		35.55	0.009921	3.05	8.93	6.07	0.80
Acqua Nera_Medio	43	Max WS	1D+2D_Tr30_1.5h	23.28	32.76	34.90		35.34	0.009883	2.93	7.94	5.75	0.80
Acqua Nera_Medio	43	Max WS	1D+2D_Tr30_0.5h	18.38	32.76	34.66		35.06	0.010041	2.78	6.61	5.29	0.79
Acqua Nera_Medio	42	Max WS	1D+2D_Tr200_1.5h	36.04	32.64	35.29		35.82	0.009359	3.22	11.19	6.38	0.78
Acqua Nera_Medio	42	Max WS	1D+2D_Tr200_0.5h	27.25	32.64	34.96		35.41	0.009076	2.97	9.18	5.84	0.76
Acqua Nera_Medio	42	Max WS	1D+2D_Tr30_1.5h	23.27	32.64	34.80		35.20	0.008838	2.83	8.23	5.58	0.74
Acqua Nera_Medio	42	Max WS	1D+2D_Tr30_0.5h	18.38	32.64	34.55		34.91	0.008742	2.65	6.93	5.19	0.73
Acqua Nera_Medio	41.99			Lat Struct									
Acqua Nera_Medio	41	Max WS	1D+2D_Tr200_1.5h	35.69	32.50	35.20		35.58	0.006517	2.72	13.10	8.21	0.69
Acqua Nera_Medio	41	Max WS	1D+2D_Tr200_0.5h	26.48	32.50	34.88		35.20	0.006374	2.51	10.56	7.41	0.67
Acqua Nera_Medio	41	Max WS	1D+2D_Tr30_1.5h	22.93	32.50	34.71		35.02	0.006610	2.45	9.35	6.99	0.68
Acqua Nera_Medio	41	Max WS	1D+2D_Tr30_0.5h	18.38	32.50	34.46		34.75	0.007143	2.39	7.70	6.38	0.69
Acqua Nera_Medio	40	Max WS	1D+2D_Tr200_1.5h	35.55	32.45	35.15		35.46	0.005140	2.48	14.36	9.08	0.63
Acqua Nera_Medio	40	Max WS	1D+2D_Tr200_0.5h	26.41	32.45	34.82		35.09	0.005075	2.29	11.55	8.17	0.61
Acqua Nera_Medio	40	Max WS	1D+2D_Tr30_1.5h	22.52	32.45	34.65		34.90	0.005165	2.21	10.18	7.69	0.61
Acqua Nera_Medio	40	Max WS	1D+2D_Tr30_0.5h	18.37	32.45	34.39		34.65	0.005950	2.22	8.29	6.98	0.65
Acqua Nera_Medio	39	Max WS	1D+2D_Tr200_1.5h	35.57	32.39	35.09		35.56	0.008177	3.02	11.76	7.04	0.75
Acqua Nera_Medio	39	Max WS	1D+2D_Tr200_0.5h	26.41	32.39	34.77		35.16	0.007835	2.76	9.57	6.43	0.72
Acqua Nera_Medio	39	Max WS	1D+2D_Tr30_1.5h	22.51	32.39	34.60		34.95	0.007817	2.65	8.49	6.08	0.72
Acqua Nera_Medio	39	Max WS	1D+2D_Tr30_0.5h	18.37	32.39	34.34		34.69	0.008750	2.63	6.99	5.56	0.75
Acqua Nera_Medio	38	Max WS	1D+2D_Tr200_1.5h	35.48	32.31	35.05		35.42	0.006025	2.70	13.15	7.48	0.65
Acqua Nera_Medio	38	Max WS	1D+2D_Tr200_0.5h	26.32	32.31	34.73		35.03	0.005583	2.43	10.83	6.90	0.62
Acqua Nera_Medio	38	Max WS	1D+2D_Tr30_1.5h	22.44	32.31	34.56		34.83	0.005492	2.32	9.67	6.56	0.61
Acqua Nera_Medio	38	Max WS	1D+2D_Tr30_0.5h	18.12	32.31	34.29		34.55	0.005980	2.27	7.98	6.03	0.63
Acqua Nera_Medio	37.99			Lat Struct									
Acqua Nera_Medio	37	Max WS	1D+2D_Tr200_1.5h	35.47	32.27	35.03		35.34	0.004940	2.48	14.30	8.26	0.60
Acqua Nera_Medio	37	Max WS	1D+2D_Tr200_0.5h	26.28	32.27	34.70		34.96	0.004646	2.24	11.73	7.65	0.58
Acqua Nera_Medio	37	Max WS	1D+2D_Tr30_1.5h	22.29	32.27	34.53		34.76	0.004557	2.13	10.44	7.26	0.57
Acqua Nera_Medio	37	Max WS	1D+2D_Tr30_0.5h	17.96	32.27	34.26		34.48	0.005087	2.11	8.53	6.62	0.59
Acqua Nera_Medio	36	Max WS	1D+2D_Tr200_1.5h	35.33	32.20	34.98		35.30	0.005377	2.51	14.07	8.83	0.64
Acqua Nera_Medio	36	Max WS	1D+2D_Tr200_0.5h	26.23	32.20	34.65		34.93	0.005292	2.31	11.34	8.03	0.62
Acqua Nera_Medio	36	Max WS	1D+2D_Tr30_1.5h	22.21	32.20	34.48		34.73	0.005321	2.22	9.99	7.55	0.62
Acqua Nera_Medio	36	Max WS	1D+2D_Tr30_0.5h	17.91	32.20	34.19		34.45	0.006356	2.25	7.95	6.76	0.66
Acqua Nera_Medio	35	Max WS	1D+2D_Tr200_1.5h	25.97	32.10	34.97		35.12	0.002318	1.74	14.92	8.12	0.41
Acqua Nera_Medio	35	Max WS	1D+2D_Tr200_0.5h	26.17	32.10	34.63		34.86	0.004034	2.14	12.25	7.63	0.54
Acqua Nera_Medio	35	Max WS	1D+2D_Tr30_1.5h	22.14	32.10	34.46		34.66	0.003880	2.02	10.97	7.26	0.52
Acqua Nera_Medio	35	Max WS	1D+2D_Tr30_0.5h	17.86	32.10	34.17		34.37	0.004355	2.00	8.95	6.62	0.55
Acqua Nera_Medio	34.5			Lat Struct									
Acqua Nera_Medio	34	Max WS	1D+2D_Tr200_1.5h	34.46	32.01	34.88		35.19	0.005069	2.46	13.99	8.31	0.61
Acqua Nera_Medio	34	Max WS	1D+2D_Tr200_0.5h	26.61	32.01	34.55		34.83	0.005308	2.35	11.33	7.60	0.61
Acqua Nera_Medio	34	Max WS	1D+2D_Tr30_1.5h	22.87	32.01	34.37		34.64	0.005418	2.28	10.03	7.17	0.62
Acqua Nera_Medio	34	Max WS	1D+2D_Tr30_0.5h	18.23	32.01	34.07		34.34	0.006302	2.28	7.99	6.43	0.65
Acqua Nera_Medio	33	Max WS	1D+2D_Tr200_1.5h	29.67	31.95	34.86		35.05	0.002857	1.93	15.35	8.58	0.46
Acqua Nera_Medio	33	Max WS	1D+2D_Tr200_0.5h	26.50	31.95	34.51		34.75	0.004053	2.13	12.45	8.03	0.55
Acqua Nera_Medio	33	Max WS	1D+2D_Tr30_1.5h	22.77	31.95	34.34		34.55	0.004095	2.06	11.07	7.59	0.54
Acqua Nera_Medio	33	Max WS	1D+2D_Tr30_0.5h	18.17	31.95	34.03		34.24	0.004753	2.06	8.84	6.83	0.58
Acqua Nera_Medio	32.99			Lat Struct									
Acqua Nera_Medio	32	Max WS	1D+2D_Tr200_1.5h	29.28	31.86	34.82		35.06	0.003683	2.15	13.59	7.07	0.50
Acqua Nera_Medio	32	Max WS	1D+2D_Tr200_0.5h	26.48	31.86	34.46		34.75	0.005328	2.39	11.08	6.92	0.60
Acqua Nera_Medio	32	Max WS	1D+2D_Tr30_1.5h	22.70	31.86	34.29		34.56	0.005317	2.29	9.89	6.62	0.60
Acqua Nera_Medio	32	Max WS	1D+2D_Tr30_0.5h	18.15	31.86	33.97		34.24	0.006123	2.29	7.93	5.97	0.63
Acqua Nera_Medio	31	Max WS	1D+2D_Tr200_1.5h	28.78	31.80	34.79		35.01	0.003425	2.10	13.68	6.65	0.47
Acqua Nera_Medio	31	Max WS	1D+2D_Tr200_0.5h	26.39	31.80	34.41		34.69	0.005097	2.37	11.16	6.65	0.58



Reach	River Sta	Profile	Plan	Q Total (m3/s)	Min Ch El (m)	W.S. Elev (m)	Crit W.S. (m)	E.G. Elev (m)	E.G. Slope (m/m)	Vel Chnl (m/s)	Flow Area (m2)	Top Width (m)	Froude # Chl
Acqua Nera_Medio	31	Max WS	1D+2D_Tr30_1.5h	22.19	31.80	34.24		34.49	0.004818	2.22	10.02	6.40	0.57
Acqua Nera_Medio	31	Max WS	1D+2D_Tr30_0.5h	18.10	31.80	33.92		34.17	0.005712	2.24	8.06	5.80	0.61
Acqua Nera_Medio	30	Max WS	1D+2D_Tr200_1.5h	27.43	31.64	34.75		34.98	0.003737	2.14	12.79	5.88	0.46
Acqua Nera_Medio	30	Max WS	1D+2D_Tr200_0.5h	25.24	31.64	34.34		34.64	0.005637	2.44	10.36	5.85	0.58
Acqua Nera_Medio	30	Max WS	1D+2D_Tr30_1.5h	22.08	31.64	34.16		34.44	0.005681	2.36	9.34	5.67	0.59
Acqua Nera_Medio	30	Max WS	1D+2D_Tr30_0.5h	18.01	31.64	33.83		34.12	0.006678	2.39	7.54	5.18	0.63
Acqua Nera_Medio	29	Max WS	1D+2D_Tr200_1.5h	27.13	31.63	34.78		34.96	0.002794	1.89	14.34	6.96	0.42
Acqua Nera_Medio	29	Max WS	1D+2D_Tr200_0.5h	23.21	31.63	34.35		34.56	0.003720	2.03	11.44	6.42	0.49
Acqua Nera_Medio	29	Max WS	1D+2D_Tr30_1.5h	20.96	31.63	34.15		34.36	0.004150	2.06	10.17	6.18	0.51
Acqua Nera_Medio	29	Max WS	1D+2D_Tr30_0.5h	17.86	31.63	33.78		34.04	0.005719	2.23	8.02	5.73	0.60
Acqua Nera_Medio	28	Max WS	1D+2D_Tr200_1.5h	29.87	31.55	34.88		35.15	0.004135	2.28	13.09	4.98	0.45
Acqua Nera_Medio	28	Max WS	1D+2D_Tr200_0.5h	22.63	31.55	34.36		34.60	0.004223	2.15	10.52	4.98	0.47
Acqua Nera_Medio	28	Max WS	1D+2D_Tr30_1.5h	19.54	31.55	34.13		34.35	0.004325	2.09	9.35	4.98	0.49
Acqua Nera_Medio	28	Max WS	1D+2D_Tr30_0.5h	17.83	31.55	33.73		34.03	0.006984	2.43	7.34	4.96	0.64
Acqua Nera_Medio	27	Max WS	1D+2D_Tr200_1.5h	53.49	31.49	34.75		35.26	0.006561	3.14	17.02	6.82	0.64
Acqua Nera_Medio	27	Max WS	1D+2D_Tr200_0.5h	26.03	31.49	34.28		34.46	0.002788	1.89	13.76	6.82	0.43
Acqua Nera_Medio	27	Max WS	1D+2D_Tr30_1.5h	20.88	31.49	34.10		34.24	0.002305	1.66	12.58	6.82	0.39
Acqua Nera_Medio	27	Max WS	1D+2D_Tr30_0.5h	17.68	31.49	33.73		33.89	0.003051	1.76	10.07	6.57	0.45
Acqua Nera_Valle	26	Max WS	1D+2D_Tr200_1.5h	82.94	31.50	34.75	34.77	35.92	0.015608	4.78	17.36	7.63	1.01
Acqua Nera_Valle	26	Max WS	1D+2D_Tr200_0.5h	49.92	31.50	34.28		34.93	0.009968	3.59	13.91	6.90	0.81
Acqua Nera_Valle	26	Max WS	1D+2D_Tr30_1.5h	44.10	31.50	34.10		34.71	0.009854	3.46	12.73	6.73	0.80
Acqua Nera_Valle	26	Max WS	1D+2D_Tr30_0.5h	32.24	31.50	33.73		34.23	0.009312	3.13	10.31	6.35	0.78
Acqua Nera_Valle	25.99		Lat Struct										
Acqua Nera_Valle	25.98		Lat Struct										
Acqua Nera_Valle	25	Max WS	1D+2D_Tr200_1.5h	70.05	31.25	34.61		35.25	0.007797	3.57	19.64	8.58	0.75
Acqua Nera_Valle	25	Max WS	1D+2D_Tr200_0.5h	50.06	31.25	34.15		34.67	0.007436	3.18	15.76	8.53	0.75
Acqua Nera_Valle	25	Max WS	1D+2D_Tr30_1.5h	43.84	31.25	33.99		34.46	0.007378	3.05	14.35	8.27	0.74
Acqua Nera_Valle	25	Max WS	1D+2D_Tr30_0.5h	32.21	31.25	33.62		34.02	0.007422	2.82	11.43	7.60	0.73
Acqua Nera_Valle	24	Max WS	1D+2D_Tr200_1.5h	66.44	31.12	34.37		35.10	0.009081	3.76	17.65	7.03	0.76
Acqua Nera_Valle	24	Max WS	1D+2D_Tr200_0.5h	49.52	31.12	33.93		34.52	0.008674	3.42	14.99	7.03	0.76
Acqua Nera_Valle	24	Max WS	1D+2D_Tr30_1.5h	43.73	31.12	33.76		34.31	0.008548	3.28	13.32	6.98	0.76
Acqua Nera_Valle	24	Max WS	1D+2D_Tr30_0.5h	32.20	31.12	33.39		33.85	0.008249	2.98	10.82	6.68	0.75
Acqua Nera_Valle	23	Max WS	1D+2D_Tr200_1.5h	66.22	30.88	34.23		35.09	0.011888	4.11	16.11	7.11	0.87
Acqua Nera_Valle	23	Max WS	1D+2D_Tr200_0.5h	49.20	30.88	33.78		34.52	0.012151	3.81	12.93	7.11	0.90
Acqua Nera_Valle	23	Max WS	1D+2D_Tr30_1.5h	43.42	30.88	33.62		34.31	0.012349	3.70	11.75	7.02	0.91
Acqua Nera_Valle	23	Max WS	1D+2D_Tr30_0.5h	32.20	30.88	33.25		33.87	0.012900	3.47	9.27	6.49	0.93
Acqua Nera_Valle	22	Max WS	1D+2D_Tr200_1.5h	68.07	30.77	34.10		34.71	0.007274	3.45	19.73	8.58	0.73
Acqua Nera_Valle	22	Max WS	1D+2D_Tr200_0.5h	49.83	30.77	33.65		34.15	0.007265	3.14	15.85	8.58	0.74
Acqua Nera_Valle	22	Max WS	1D+2D_Tr30_1.5h	43.81	30.77	33.48		33.95	0.007329	3.04	14.41	8.43	0.74
Acqua Nera_Valle	22	Max WS	1D+2D_Tr30_0.5h	32.20	30.77	33.11		33.52	0.007644	2.83	11.38	7.84	0.75
Acqua Nera_Valle	21	Max WS	1D+2D_Tr200_1.5h	69.21	30.32	33.97		34.63	0.008132	3.61	19.20	8.00	0.74
Acqua Nera_Valle	21	Max WS	1D+2D_Tr200_0.5h	49.80	30.32	33.53		34.04	0.007421	3.18	15.66	7.90	0.72
Acqua Nera_Valle	21	Max WS	1D+2D_Tr30_1.5h	43.74	30.32	33.36		33.83	0.007229	3.05	14.36	7.69	0.71
Acqua Nera_Valle	21	Max WS	1D+2D_Tr30_0.5h	32.20	30.32	32.99		33.38	0.007006	2.78	11.59	7.22	0.70
Acqua Nera_Valle	20	Max WS	1D+2D_Tr200_1.5h	69.04	30.38	33.85		34.55	0.008790	3.70	18.65	8.30	0.79
Acqua Nera_Valle	20	Max WS	1D+2D_Tr200_0.5h	49.90	30.38	33.41		33.97	0.008446	3.32	15.04	8.23	0.78
Acqua Nera_Valle	20	Max WS	1D+2D_Tr30_1.5h	43.78	30.38	33.25		33.77	0.008393	3.20	13.70	7.95	0.78
Acqua Nera_Valle	20	Max WS	1D+2D_Tr30_0.5h	32.19	30.38	32.88		33.32	0.008619	2.96	10.86	7.34	0.78
Acqua Nera_Valle	19	Max WS	1D+2D_Tr200_1.5h	68.82	30.01	33.63		34.41	0.009962	3.90	17.63	6.70	0.77
Acqua Nera_Valle	19	Max WS	1D+2D_Tr200_0.5h	49.70	30.01	33.22		33.79	0.008267	3.34	14.87	6.70	0.72
Acqua Nera_Valle	19	Max WS	1D+2D_Tr30_1.5h	43.64	30.01	33.06		33.57	0.007827	3.16	13.80	6.70	0.70
Acqua Nera_Valle	19	Max WS	1D+2D_Tr30_0.5h	32.16	30.01	32.70		33.11	0.007306	2.83	11.36	6.62	0.69
Acqua Nera_Valle	18	Max WS	1D+2D_Tr200_1.5h	66.83	30.34	33.60		34.17	0.006828	3.34	20.00	8.33	0.69
Acqua Nera_Valle	18	Max WS	1D+2D_Tr200_0.5h	49.53	30.34	33.19		33.64	0.006344	2.98	16.61	8.33	0.67
Acqua Nera_Valle	18	Max WS	1D+2D_Tr30_1.5h	43.51	30.34	33.03		33.45	0.006204	2.85	15.29	8.33	0.67
Acqua Nera_Valle	18	Max WS	1D+2D_Tr30_0.5h	32.09	30.34	32.66		33.02	0.006390	2.63	12.22	8.16	0.69
Acqua Nera_Valle	17	Max WS	1D+2D_Tr200_1.5h	66.61	29.89	33.42		34.11	0.008608	3.66	18.19	7.63	0.76
Acqua Nera_Valle	17	Max WS	1D+2D_Tr200_0.5h	49.38	29.89	33.01		33.56	0.008016	3.28	15.06	7.63	0.75
Acqua Nera_Valle	17	Max WS	1D+2D_Tr30_1.5h	43.63	29.89	32.86		33.36	0.007881	3.14	13.89	7.63	0.74
Acqua Nera_Valle	17	Max WS	1D+2D_Tr30_0.5h	32.18	29.89	32.49		32.91	0.007731	2.88	11.16	7.01	0.73
Acqua Nera_Valle	16	Max WS	1D+2D_Tr200_1.5h	66.44	29.51	33.21		33.78	0.006620	3.33	19.92	7.59	0.66
Acqua Nera_Valle	16	Max WS	1D+2D_Tr200_0.5h	49.29	29.51	32.81		33.25	0.005772	2.92	16.86	7.59	0.63
Acqua Nera_Valle	16	Max WS	1D+2D_Tr30_1.5h	43.41	29.51	32.66		33.05	0.005470	2.77	15.69	7.59	0.61
Acqua Nera_Valle	16	Max WS	1D+2D_Tr30_0.5h	32.17	29.51	32.29		32.61	0.005195	2.49	12.92	7.52	0.61
Acqua Nera_Valle	15	Max WS	1D+2D_Tr200_1.5h	67.31	29.46	33.06		33.67	0.007575	3.45	19.49	7.89	0.70
Acqua Nera_Valle	15	Max WS	1D+2D_Tr200_0.5h	49.36	29.46	32.70		33.15	0.006324	2.96	16.66	7.89	0.65
Acqua Nera_Valle	15	Max WS	1D+2D_Tr30_1.5h	43.43	29.46	32.56		32.96	0.005963	2.79	15.54	7.89	0.64
Acqua Nera_Valle	15	Max WS	1D+2D_Tr30_0.5h	32.09	29.46	32.20		32.52	0.005829	2.53	12.68	7.84	0.64
Acqua Nera_Valle	14	Max WS	1D+2D_Tr200_1.5h	65.16	29.06	32.87		33.41	0.006481	3.26	19.96	7.00	0.62
Acqua Nera_Valle	14	Max WS	1D+2D_Tr200_0.5h	48.89	29.06	32.55		32.94	0.005022	2.76	17.74	7.00	0.55
Acqua Nera_Valle	14	Max WS	1D+2D_Tr30_1.5h	43.33	29.06	32.42		32.76	0.004545	2.57	16.85	7.00	0.53
Acqua Nera_Valle	14	Max WS	1D+2D_Tr30_0.5h	32.05	29.06	32.08		32.33	0.003809	2.22	14.44	7.00	0.49
Acqua Nera_Valle	13	Max WS	1D+2D_Tr200_1.5h	57.04	29.01	32.72		33.32	0.007915	3.42	16.69	5.99	0.65
Acqua Nera_Valle	13	Max WS	1D+2D_Tr200_0.5h	46.94	29.01	32.39		32.91	0.007527	3.20	14.69	5.99	0.65
Acqua Nera_Valle	13	Max WS	1D+2D_Tr30_1.5h	42.79	29.01	32.26		32.74	0.007240	3.08	13.91	5.98	0.64
Acqua Nera_Valle	13	Max WS	1D+2D_Tr30_0.5h	32.13	29.01	31.93		32.30	0.006048	2.68	12.00	5.78	0.59
Acqua Nera_Valle	12	Max WS	1D+2D_Tr200_1.5h	63.14	28.89	32.39		33.15	0.010357	3.86	16.36	7.24	0.82
Acqua Nera_Valle	12	Max WS	1D+2D_Tr200_0.5h	48.60	28.89	32.10		32.69	0.008882	3.41	14.26	7.00	0.76

Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
				(m3/s)	(m)	(m)	(m)	(m)	(m/m)	(m/s)	(m2)	(m)	
Acqua Nera_Valle	12	Max WS	1D+2D_Tr30_1.5h	43.37	28.89	31.99		32.51	0.008220	3.21	13.50	6.91	0.73
Acqua Nera_Valle	12	Max WS	1D+2D_Tr30_0.5h	32.14	28.89	31.70		32.10	0.006842	2.78	11.57	6.58	0.67
Acqua Nera_Valle	11	Max WS	1D+2D_Tr200_1.5h	65.64	28.40	32.05		32.55	0.006167	3.14	20.90	9.75	0.68
Acqua Nera_Valle	11	Max WS	1D+2D_Tr200_0.5h	48.83	28.40	31.86		32.19	0.004433	2.57	19.03	9.58	0.58
Acqua Nera_Valle	11	Max WS	1D+2D_Tr30_1.5h	43.41	28.40	31.78		32.07	0.003900	2.37	18.31	9.48	0.54
Acqua Nera_Valle	11	Max WS	1D+2D_Tr30_0.5h	32.09	28.40	31.55		31.75	0.003007	1.98	16.17	9.18	0.48
Acqua Nera_Valle	10	Max WS	1D+2D_Tr200_1.5h	61.75	27.90	31.99		32.23	0.002279	2.17	28.48	10.52	0.42
Acqua Nera_Valle	10	Max WS	1D+2D_Tr200_0.5h	47.28	27.90	31.83		31.99	0.001591	1.77	26.78	10.52	0.35
Acqua Nera_Valle	10	Max WS	1D+2D_Tr30_1.5h	42.52	27.90	31.76		31.90	0.001392	1.63	26.05	10.52	0.33
Acqua Nera_Valle	10	Max WS	1D+2D_Tr30_0.5h	32.05	27.90	31.54		31.63	0.001032	1.35	23.73	10.48	0.29
Acqua Nera_Valle	9	Max WS	1D+2D_Tr200_1.5h	55.08	27.85	32.00		32.21	0.002120	2.04	26.95	9.79	0.39
Acqua Nera_Valle	9	Max WS	1D+2D_Tr200_0.5h	44.22	27.85	31.82		31.98	0.001648	1.75	25.21	9.79	0.35
Acqua Nera_Valle	9	Max WS	1D+2D_Tr30_1.5h	40.57	27.85	31.75		31.89	0.001501	1.65	24.52	9.79	0.33
Acqua Nera_Valle	9	Max WS	1D+2D_Tr30_0.5h	31.83	27.85	31.52		31.62	0.001216	1.43	22.27	9.79	0.30
Acqua Nera_Valle	8	Max WS	1D+2D_Tr200_1.5h	47.78	27.69	32.07		32.19	0.001064	1.54	31.07	10.36	0.28
Acqua Nera_Valle	8	Max WS	1D+2D_Tr200_0.5h	41.58	27.69	31.85		31.96	0.000989	1.44	28.88	10.36	0.28
Acqua Nera_Valle	8	Max WS	1D+2D_Tr30_1.5h	39.05	27.69	31.77		31.87	0.000950	1.39	28.02	10.36	0.27
Acqua Nera_Valle	8	Max WS	1D+2D_Tr30_0.5h	32.00	27.69	31.53		31.61	0.000832	1.25	25.51	10.36	0.26
Acqua Nera_Valle	7	Max WS	1D+2D_Tr200_1.5h	43.28	27.74	32.12		32.17	0.000402	1.02	42.62	12.83	0.18
Acqua Nera_Valle	7	Max WS	1D+2D_Tr200_0.5h	38.38	27.74	31.99		31.95	0.000384	0.96	39.79	12.83	0.17
Acqua Nera_Valle	7	Max WS	1D+2D_Tr30_1.5h	36.35	27.74	31.81		31.86	0.000374	0.94	38.68	12.83	0.17
Acqua Nera_Valle	7	Max WS	1D+2D_Tr30_0.5h	30.78	27.74	31.56		31.60	0.000346	0.87	35.43	12.83	0.17
Acqua Nera_Valle	6.5			Culvert									
Acqua Nera_Valle	6	Max WS	1D+2D_Tr200_1.5h	43.28	27.45	30.71		31.34	0.003517	3.52	12.30	9.28	0.64
Acqua Nera_Valle	6	Max WS	1D+2D_Tr200_0.5h	38.38	27.45	30.54		31.09	0.003335	3.30	11.62	9.28	0.61
Acqua Nera_Valle	6	Max WS	1D+2D_Tr30_1.5h	36.35	27.45	30.47		30.99	0.003226	3.20	11.36	9.28	0.60
Acqua Nera_Valle	6	Max WS	1D+2D_Tr30_0.5h	30.77	27.45	30.28		30.71	0.002905	2.90	10.61	9.28	0.57
Acqua Nera_Valle	5.99			Lat Struct									
Acqua Nera_Valle	5.98			Lat Struct									
Acqua Nera_Valle	5	Max WS	1D+2D_Tr200_1.5h	48.08	28.59	30.72	30.80	31.45	0.016451	3.78	12.72	10.70	1.11
Acqua Nera_Valle	5	Max WS	1D+2D_Tr200_0.5h	41.27	28.59	30.55	30.67	31.27	0.018332	3.76	10.98	10.21	1.16
Acqua Nera_Valle	5	Max WS	1D+2D_Tr30_1.5h	38.77	28.59	30.48	30.62	31.20	0.019305	3.76	10.31	10.02	1.18
Acqua Nera_Valle	5	Max WS	1D+2D_Tr30_0.5h	31.80	28.59	30.29	30.46	31.02	0.022903	3.76	8.45	9.45	1.27
Acqua Nera_Valle	4	Max WS	1D+2D_Tr200_1.5h	50.04	27.98	30.59		31.01	0.005918	2.85	17.59	10.21	0.69
Acqua Nera_Valle	4	Max WS	1D+2D_Tr200_0.5h	42.44	27.98	30.42		30.79	0.005614	2.67	15.87	9.76	0.67
Acqua Nera_Valle	4	Max WS	1D+2D_Tr30_1.5h	39.63	27.98	30.35		30.70	0.005489	2.60	15.21	9.58	0.66
Acqua Nera_Valle	4	Max WS	1D+2D_Tr30_0.5h	32.02	27.98	30.15		30.45	0.005107	2.40	13.35	9.04	0.63
Acqua Nera_Valle	3	Max WS	1D+2D_Tr200_1.5h	50.04	28.05	30.51		30.93	0.006762	2.89	17.34	11.51	0.75
Acqua Nera_Valle	3	Max WS	1D+2D_Tr200_0.5h	42.44	28.05	30.34		30.72	0.006658	2.75	15.43	10.91	0.74
Acqua Nera_Valle	3	Max WS	1D+2D_Tr30_1.5h	39.63	28.05	30.27		30.64	0.006615	2.70	14.70	10.67	0.73
Acqua Nera_Valle	3	Max WS	1D+2D_Tr30_0.5h	32.02	28.05	30.07		30.40	0.006480	2.53	12.65	9.97	0.72
Acqua Nera_Valle	2	Max WS	1D+2D_Tr200_1.5h	50.04	27.79	30.38	30.32	31.03	0.011427	3.58	13.98	9.66	0.95
Acqua Nera_Valle	2	Max WS	1D+2D_Tr200_0.5h	42.44	27.79	30.21		30.81	0.011367	3.43	12.39	9.12	0.94
Acqua Nera_Valle	2	Max WS	1D+2D_Tr30_1.5h	39.63	27.79	30.14		30.72	0.011340	3.36	11.78	8.91	0.93
Acqua Nera_Valle	2	Max WS	1D+2D_Tr30_0.5h	32.02	27.79	29.95		30.46	0.011255	3.18	10.08	8.29	0.92
Acqua Nera_Valle	1	Max WS	1D+2D_Tr200_1.5h	50.04	27.65	30.19	30.20	30.91	0.013004	3.76	13.30	9.38	1.01
Acqua Nera_Valle	1	Max WS	1D+2D_Tr200_0.5h	42.44	27.65	30.02	30.01	30.68	0.012998	3.61	11.77	8.85	1.00
Acqua Nera_Valle	1	Max WS	1D+2D_Tr30_1.5h	39.63	27.65	29.95	29.94	30.59	0.013005	3.54	11.18	8.64	1.00
Acqua Nera_Valle	1	Max WS	1D+2D_Tr30_0.5h	32.02	27.65	29.75	29.74	30.33	0.013009	3.36	9.54	8.02	0.98

