

Plan General de Ordenación Urbana Alhama de Granada

INFORME AL PLANEAMIENTO – ESTUDIO HIDROLÓGICO TablasResumen Hec-Ras

Plan General de Ordenación Urbana Alhama de Granada

Tabla resumen Arroyo Pilonas

Reach	River Sta	Profile	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
Arroyo Pilonos	2.794	PF 1	33.50	777.30	778.76	778.76	779.23	0.010023	3.68	12.60	13.81	0.97
Arroyo Pilonos	2.794	PF 2	45.50	777.30	779.00	779.00	779.53	0.009562	3.98	16.18	15.54	0.97
Arroyo Pilonos	2.794	PF 3	63.40	777.30	779.30	779.30	779.91	0.009190	4.35	21.16	17.67	0.98
Arroyo Pilonos	2.794	PF 4	78.90	777.30	779.52	779.52	780.18	0.009082	4.63	25.12	19.19	0.99
Arroyo Pilonos	2.794	PF 5	121.00	777.30	780.01	780.01	780.80	0.008723	5.18	35.39	22.67	1.01
Arroyo Pilonos	17		Culvert									
Arroyo Pilonos	17.177	PF 1	33.50	780.41	782.82	781.85	782.87	0.000696	1.30	41.21	34.10	0.27
Arroyo Pilonos	17.177	PF 2	45.50	780.41	782.99	782.03	783.05	0.000913	1.56	46.99	36.41	0.32
Arroyo Pilonos	17.177	PF 3	63.40	780.41	783.21	782.27	783.30	0.001151	1.85	55.51	39.57	0.36
Arroyo Pilonos	17.177	PF 4	78.90	780.41	783.35	782.43	783.46	0.001378	2.10	61.29	41.58	0.40
Arroyo Pilonos	17.177	PF 5	121.00	780.41	783.74	782.80	783.89	0.001714	2.55	78.28	46.99	0.46
Arroyo Pilonos	42.217	PF 1	33.50	781.11	782.74		782.96	0.005098	2.61	18.89	23.21	0.69
Arroyo Pilonos	42.217	PF 2	45.50	781.11	782.88		783.17	0.006172	3.05	22.26	25.19	0.77
Arroyo Pilonos	42.217	PF 3	63.40	781.11	783.08		783.44	0.006885	3.49	27.62	28.06	0.83
Arroyo Pilonos	42.217	PF 4	78.90	781.11	783.18		783.64	0.008319	3.97	30.41	29.45	0.92
Arroyo Pilonos	42.217	PF 5	121.00	781.11	783.53	783.50	784.10	0.008701	4.54	41.65	34.49	0.97
Arroyo Pilonos	67.195	PF 1	33.50	781.82	783.11	783.11	783.45	0.010956	3.30	14.90	22.43	0.97
Arroyo Pilonos	67.195	PF 2	45.50	781.82	783.29	783.29	783.67	0.010483	3.55	19.21	25.50	0.98
Arroyo Pilonos	67.195	PF 3	63.40	781.82	783.50	783.50	783.93	0.010381	3.89	24.92	29.02	1.00
Arroyo Pilonos	67.195	PF 4	78.90	781.82	783.66	783.66	784.12	0.010115	4.10	29.79	31.67	1.00
Arroyo Pilonos	67.195	PF 5	121.00	781.82	784.00	784.00	784.55	0.010046	4.61	41.48	37.26	1.03
Arroyo Pilonos	92.187	PF 1	33.50	782.52	783.83	783.83	784.17	0.010405	3.23	15.26	23.34	0.95
Arroyo Pilonos	92.187	PF 2	45.50	782.52	784.01	784.01	784.38	0.009992	3.48	19.68	26.51	0.95
Arroyo Pilonos	92.187	PF 3	63.40	782.52	784.21	784.21	784.64	0.010057	3.83	25.40	30.12	0.98
Arroyo Pilonos	92.187	PF 4	78.90	782.52	784.37	784.37	784.83	0.009867	4.04	30.32	32.91	0.99
Arroyo Pilonos	92.187	PF 5	121.00	782.52	784.71	784.71	785.25	0.009650	4.51	42.85	39.69	1.00
Arroyo Pilonos	117.187	PF 1	33.50	783.23	784.57	784.57	784.91	0.010345	3.29	15.17	22.80	0.95
Arroyo Pilonos	117.187	PF 2	45.50	783.23	784.74	784.74	785.12	0.010052	3.56	19.51	25.98	0.96
Arroyo Pilonos	117.187	PF 3	63.40	783.23	784.95	784.95	785.38	0.009976	3.89	25.33	29.59	0.98
Arroyo Pilonos	117.187	PF 4	78.90	783.23	785.11	785.11	785.58	0.009891	4.12	30.14	32.33	0.99
Arroyo Pilonos	117.187	PF 5	121.00	783.23	785.46	785.46	786.00	0.009659	4.59	42.44	38.54	1.01
Arroyo Pilonos	142.156	PF 1	33.50	783.93	785.30	785.30	785.65	0.009946	3.23	15.01	22.16	0.93
Arroyo Pilonos	142.156	PF 2	45.50	783.93	785.48	785.48	785.87	0.009712	3.50	19.27	25.17	0.94
Arroyo Pilonos	142.156	PF 3	63.40	783.93	785.70	785.70	786.14	0.009500	3.81	25.19	28.78	0.96
Arroyo Pilonos	142.156	PF 4	78.90	783.93	785.86	785.86	786.34	0.009448	4.05	29.93	31.35	0.97
Arroyo Pilonos	142.156	PF 5	121.00	783.93	786.21	786.21	786.77	0.009258	4.52	42.03	37.10	0.99
Arroyo Pilonos	167.157	PF 1	33.50	784.64	786.05	786.05	786.41	0.009963	3.34	14.86	21.10	0.94
Arroyo Pilonos	167.157	PF 2	45.50	784.64	786.23	786.23	786.64	0.009941	3.64	18.88	23.77	0.96
Arroyo Pilonos	167.157	PF 3	63.40	784.64	786.46	786.46	786.91	0.009647	3.95	24.72	27.18	0.97
Arroyo Pilonos	167.157	PF 4	78.90	784.64	786.62	786.62	787.12	0.009712	4.21	29.21	29.54	0.99
Arroyo Pilonos	167.157	PF 5	121.00	784.64	786.99	786.99	787.57	0.009504	4.70	41.01	34.99	1.01
Arroyo Pilonos	192.154	PF 1	33.50	785.34	786.72	786.72	787.07	0.009879	3.25	15.02	21.92	0.93
Arroyo Pilonos	192.154	PF 2	45.50	785.34	786.89	786.89	787.29	0.009760	3.53	19.17	24.76	0.95
Arroyo Pilonos	192.154	PF 3	63.40	785.34	787.12	787.12	787.56	0.009558	3.85	25.04	28.30	0.96
Arroyo Pilonos	192.154	PF 4	78.90	785.34	787.27	787.27	787.76	0.009509	4.09	29.74	30.84	0.97
Arroyo Pilonos	192.154	PF 5	121.00	785.34	787.63	787.63	788.20	0.009264	4.56	41.86	36.58	0.99
Arroyo Pilonos	217.192	PF 1	33.50	786.05	787.36	787.36	787.70	0.010059	3.19	15.28	23.25	0.94
Arroyo Pilonos	217.192	PF 2	45.50	786.05	787.54	787.54	787.92	0.009644	3.43	19.73	26.42	0.94
Arroyo Pilonos	217.192	PF 3	63.40	786.05	787.75	787.75	788.18	0.009716	3.78	25.49	30.03	0.96
Arroyo Pilonos	217.192	PF 4	78.90	786.05	787.91	787.91	788.37	0.009443	3.98	30.55	32.88	0.97
Arroyo Pilonos	217.192	PF 5	121.00	786.05	788.24	788.24	788.79	0.009462	4.48	42.54	38.79	1.00
Arroyo Pilonos	242.180	PF 1	33.50	786.76	788.03	788.03	788.36	0.010253	3.17	15.48	24.15	0.94
Arroyo Pilonos	242.180	PF 2	45.50	786.76	788.20	788.20	788.57	0.009952	3.43	19.89	27.37	0.95
Arroyo Pilonos	242.180	PF 3	63.40	786.76	788.41	788.41	788.82	0.009942	3.76	25.76	31.14	0.97
Arroyo Pilonos	242.180	PF 4	78.90	786.76	788.56	788.56	789.01	0.009729	3.97	30.78	34.05	0.98
Arroyo Pilonos	242.180	PF 5	121.00	786.76	788.89	788.89	789.42	0.009687	4.46	42.94	40.21	1.00
Arroyo Pilonos	267.190	PF 1	33.50	787.46	788.68	788.68	788.99	0.010900	3.22	15.86	25.96	0.97
Arroyo Pilonos	267.190	PF 2	45.50	787.46	788.84	788.84	789.18	0.010723	3.49	20.25	29.31	0.98
Arroyo Pilonos	267.190	PF 3	63.40	787.46	789.03	789.03	789.43	0.010679	3.82	26.22	33.35	1.00
Arroyo Pilonos	267.190	PF 4	78.90	787.46	789.17	789.17	789.60	0.010546	4.03	31.20	36.38	1.01
Arroyo Pilonos	267.190	PF 5	121.00	787.46	789.48	789.48	789.99	0.010465	4.52	43.52	42.96	1.04
Arroyo Pilonos	292.161	PF 1	33.50	788.17	789.29	789.29	789.57	0.011493	3.10	16.42	29.13	0.98
Arroyo Pilonos	292.161	PF 2	45.50	788.17	789.43	789.43	789.75	0.011454	3.38	20.83	32.80	1.00
Arroyo Pilonos	292.161	PF 3	63.40	788.17	789.61	789.61	789.97	0.011093	3.66	27.25	37.50	1.01
Arroyo Pilonos	292.161	PF 4	78.90	788.17	789.74	789.74	790.13	0.011155	3.90	32.18	40.74	1.02
Arroyo Pilonos	292.161	PF 5	121.00	788.17	790.04	790.04	790.49	0.010509	4.28	45.60	48.09	1.03
Arroyo Pilonos	317.148	PF 1	33.50	788.87	789.91	789.91	790.18	0.012414	3.10	16.80	32.20	1.01

Reach	River Sta	Profile	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
Arroyo Pilonos	317.148	PF 2	45.50	788.87	790.06	790.06	790.34	0.011521	3.28	21.75	36.00	0.99
Arroyo Pilonos	317.148	PF 3	63.40	788.87	790.20	790.20	790.55	0.011829	3.61	27.30	38.70	1.03
Arroyo Pilonos	317.148	PF 4	78.90	788.87	790.32	790.32	790.70	0.011785	3.83	31.97	40.83	1.04
Arroyo Pilonos	317.148	PF 5	121.00	788.87	790.59	790.59	791.06	0.011783	4.30	43.48	45.67	1.07
Arroyo Pilonos	342.127	PF 1	33.50	789.58	790.59	790.59	790.86	0.012504	3.06	16.30	29.69	1.01
Arroyo Pilonos	342.127	PF 2	45.50	789.58	790.73	790.73	791.04	0.012112	3.31	20.68	32.75	1.02
Arroyo Pilonos	342.127	PF 3	63.40	789.58	790.89	790.89	791.26	0.012180	3.64	26.39	36.34	1.04
Arroyo Pilonos	342.127	PF 4	78.90	789.58	791.03	791.03	791.42	0.011785	3.84	31.43	39.24	1.04
Arroyo Pilonos	342.127	PF 5	121.00	789.58	791.31	791.31	791.79	0.011611	4.32	43.49	45.43	1.07
Arroyo Pilonos	367.131	PF 1	33.50	790.43	791.61	791.61	791.91	0.010342	3.05	16.14	26.88	0.94
Arroyo Pilonos	367.131	PF 2	45.50	790.43	791.76	791.76	792.10	0.010390	3.34	20.45	30.25	0.96
Arroyo Pilonos	367.131	PF 3	63.40	790.43	791.95	791.95	792.34	0.010194	3.64	26.66	34.54	0.97
Arroyo Pilonos	367.131	PF 4	78.90	790.43	792.09	792.09	792.51	0.010127	3.86	31.68	37.66	0.99
Arroyo Pilonos	367.131	PF 5	121.00	790.43	792.40	792.40	792.90	0.009938	4.32	44.45	44.63	1.01
Arroyo Pilonos	392.162	PF 1	33.50	791.49	792.64	792.64	792.93	0.010780	3.08	16.48	28.58	0.95
Arroyo Pilonos	392.162	PF 2	45.50	791.49	792.78	792.78	793.11	0.010964	3.37	20.80	32.23	0.98
Arroyo Pilonos	392.162	PF 3	63.40	791.49	792.97	792.97	793.34	0.010426	3.63	27.50	37.26	0.98
Arroyo Pilonos	392.162	PF 4	78.90	791.49	793.10	793.10	793.50	0.010591	3.88	32.40	40.49	1.00
Arroyo Pilonos	392.162	PF 5	121.00	791.49	793.39	793.39	793.87	0.010392	4.32	45.45	48.06	1.02
Arroyo Pilonos	417.783	PF 1	33.50	792.58	793.52	793.52	793.78	0.010831	2.74	17.33	33.98	0.93
Arroyo Pilonos	417.783	PF 2	45.50	792.58	793.65	793.65	793.95	0.010711	2.99	22.04	38.05	0.95
Arroyo Pilonos	417.783	PF 3	63.40	792.58	793.82	793.82	794.15	0.010558	3.27	28.60	43.01	0.96
Arroyo Pilonos	417.783	PF 4	78.90	792.58	793.93	793.93	794.30	0.010447	3.47	33.97	46.68	0.97
Arroyo Pilonos	417.783	PF 5	121.00	792.58	794.20	794.20	794.64	0.010266	3.90	47.48	54.84	0.99
Arroyo Pilonos	433.287	PF 1	33.50	793.23	794.16	794.16	794.40	0.010893	2.57	17.88	38.21	0.92
Arroyo Pilonos	433.287	PF 2	45.50	793.23	794.28	794.28	794.56	0.010703	2.80	22.89	43.34	0.93
Arroyo Pilonos	433.287	PF 3	63.40	793.23	794.44	794.44	794.75	0.010338	3.05	30.11	49.87	0.94
Arroyo Pilonos	433.287	PF 4	78.90	793.23	794.55	794.55	794.88	0.010228	3.24	35.89	54.50	0.95
Arroyo Pilonos	433.287	PF 5	121.00	793.23	794.79	794.79	795.19	0.009976	3.63	50.68	65.18	0.97
Arroyo Pilonos	492.437	PF 1	33.50	795.70	796.20	796.20	796.39	0.019374	2.15	17.51	48.20	1.09
Arroyo Pilonos	492.437	PF 2	45.50	795.70	796.30	796.30	796.52	0.017798	2.38	22.42	53.53	1.08
Arroyo Pilonos	492.437	PF 3	63.40	795.70	796.42	796.42	796.68	0.016363	2.65	29.34	59.97	1.08
Arroyo Pilonos	492.437	PF 4	78.90	795.70	796.51	796.51	796.80	0.015587	2.83	35.02	64.77	1.07
Arroyo Pilonos	492.437	PF 5	121.00	795.70	796.72	796.72	797.06	0.014207	3.21	49.57	75.24	1.07

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Tabla resumen Bco. Cuesta de Loja

Reach	River Sta	Profile	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
Cuesta Loja	3.496	PF 1	11.00	844.63	845.54	845.54	845.80	0.017968	2.30	4.92	9.69	0.96
Cuesta Loja	3.496	PF 2	15.00	844.63	845.68	845.68	845.98	0.016438	2.44	6.38	10.97	0.95
Cuesta Loja	3.496	PF 3	21.00	844.63	845.85	845.85	846.19	0.015748	2.65	8.32	12.47	0.95
Cuesta Loja	3.496	PF 4	26.00	844.63	845.97	845.97	846.34	0.014945	2.76	9.95	13.61	0.94
Cuesta Loja	3.496	PF 5	41.00	844.63	846.26	846.26	846.70	0.014119	3.04	14.29	16.25	0.94
Cuesta Loja	54.167	PF 1	11.00	846.46	847.33	847.33	847.58	0.020858	2.23	4.94	10.01	1.01
Cuesta Loja	54.167	PF 2	15.00	846.46	847.46	847.46	847.75	0.019994	2.37	6.33	11.31	1.01
Cuesta Loja	54.167	PF 3	21.00	846.46	847.63	847.63	847.95	0.018787	2.52	8.34	12.96	1.00
Cuesta Loja	54.167	PF 4	26.00	846.46	847.74	847.74	848.09	0.018192	2.63	9.90	14.11	1.00
Cuesta Loja	54.167	PF 5	41.00	846.46	848.02	848.02	848.45	0.016701	2.90	14.18	16.86	0.99
Cuesta Loja	104.559	PF 1	11.00	848.24	849.06	849.06	849.31	0.020923	2.19	5.02	10.48	1.01
Cuesta Loja	104.559	PF 2	15.00	848.24	849.19	849.19	849.47	0.020018	2.33	6.43	11.82	1.01
Cuesta Loja	104.559	PF 3	21.00	848.24	849.35	849.35	849.66	0.019081	2.50	8.42	13.49	1.01
Cuesta Loja	104.559	PF 4	26.00	848.24	849.46	849.46	849.80	0.018278	2.59	10.03	14.71	1.00
Cuesta Loja	104.559	PF 5	41.00	848.24	849.73	849.73	850.14	0.017216	2.84	14.43	17.59	1.00
Cuesta Loja	137.380	PF 1	11.00	849.39	850.10	850.10	850.33	0.020837	2.10	5.23	11.61	1.00
Cuesta Loja	137.380	PF 2	15.00	849.39	850.21	850.21	850.48	0.019711	2.30	6.51	12.07	1.00
Cuesta Loja	137.380	PF 3	21.00	849.39	850.35	850.35	850.68	0.018569	2.53	8.29	12.68	1.00
Cuesta Loja	137.380	PF 4	26.00	849.39	850.46	850.46	850.83	0.017930	2.69	9.67	13.14	1.00
Cuesta Loja	137.380	PF 5	41.00	849.39	850.74	850.74	851.21	0.016717	3.04	13.47	14.32	1.00
Cuesta Loja	180.875	PF 1	11.00	851.89	852.94	852.94	853.28	0.019996	2.60	4.24	6.25	1.01
Cuesta Loja	180.875	PF 2	15.00	851.89	853.12	853.12	853.50	0.018984	2.76	5.43	7.01	1.00
Cuesta Loja	180.875	PF 3	21.00	851.89	853.34	853.34	853.79	0.018168	2.96	7.09	7.94	1.00
Cuesta Loja	180.875	PF 4	26.00	851.89	853.50	853.50	853.98	0.017684	3.10	8.39	8.60	1.00
Cuesta Loja	180.875	PF 5	41.00	851.89	853.88	853.88	854.48	0.016699	3.41	12.01	10.15	1.00
Cuesta Loja	206.201	PF 1	11.00	853.80	854.80	854.80	855.12	0.020058	2.52	4.36	6.88	1.01
Cuesta Loja	206.201	PF 2	15.00	853.80	854.97	854.97	855.34	0.018924	2.68	5.61	7.72	1.00
Cuesta Loja	206.201	PF 3	21.00	853.80	855.18	855.18	855.60	0.018067	2.87	7.32	8.75	1.00
Cuesta Loja	206.201	PF 4	26.00	853.80	855.33	855.33	855.78	0.017574	3.00	8.67	9.48	1.00
Cuesta Loja	206.201	PF 5	41.00	853.80	855.69	855.69	856.24	0.016560	3.30	12.44	11.27	1.00
Cuesta Loja	231.109	PF 1	11.00	855.68	856.70	856.70	857.01	0.020230	2.45	4.49	7.50	1.01
Cuesta Loja	231.109	PF 2	15.00	855.68	856.86	856.86	857.21	0.019360	2.61	5.76	8.47	1.01
Cuesta Loja	231.109	PF 3	21.00	855.68	857.06	857.06	857.45	0.018265	2.77	7.57	9.69	1.00
Cuesta Loja	231.109	PF 4	26.00	855.68	857.20	857.20	857.63	0.017629	2.90	8.98	10.48	1.00
Cuesta Loja	231.109	PF 5	41.00	855.68	857.53	857.53	858.06	0.016962	3.21	12.75	12.35	1.01
Cuesta Loja	256.202	PF 1	11.00	857.61	858.55	858.55	858.83	0.020176	2.36	4.66	8.21	1.00
Cuesta Loja	256.202	PF 2	15.00	857.61	858.70	858.70	859.02	0.019594	2.53	5.93	9.21	1.01
Cuesta Loja	256.202	PF 3	21.00	857.61	858.88	858.88	859.26	0.018516	2.70	7.77	10.47	1.00
Cuesta Loja	256.202	PF 4	26.00	857.61	859.02	859.02	859.42	0.017992	2.82	9.21	11.34	1.00
Cuesta Loja	256.202	PF 5	41.00	857.61	859.34	859.34	859.83	0.016942	3.10	13.21	13.47	1.00
Cuesta Loja	279.726	PF 1	11.00	859.37	860.15	860.15	860.40	0.020090	2.23	4.98	10.20	1.00
Cuesta Loja	279.726	PF 2	15.00	859.37	860.27	860.27	860.57	0.018974	2.45	6.18	10.43	1.00
Cuesta Loja	279.726	PF 3	21.00	859.37	860.42	860.42	860.79	0.017758	2.72	7.83	10.75	1.00
Cuesta Loja	279.726	PF 4	26.00	859.37	860.54	860.54	860.96	0.016893	2.89	9.14	10.99	0.99
Cuesta Loja	279.726	PF 5	41.00	859.37	860.85	860.85	861.40	0.015803	3.32	12.59	11.62	1.00
Cuesta Loja	306.446	PF 1	11.00	865.56	866.72	866.72	867.09	0.018807	2.72	4.11	5.68	0.99
Cuesta Loja	306.446	PF 2	15.00	865.56	866.92	866.92	867.34	0.017490	2.89	5.29	6.37	0.98
Cuesta Loja	306.446	PF 3	21.00	865.56	867.16	867.16	867.64	0.016606	3.12	6.91	7.21	0.98
Cuesta Loja	306.446	PF 4	26.00	865.56	867.33	867.33	867.86	0.016061	3.27	8.20	7.81	0.98
Cuesta Loja	306.446	PF 5	41.00	865.56	867.75	867.75	868.38	0.015151	3.61	11.78	9.27	0.98
Cuesta Loja	331.504	PF 1	11.00	869.50	869.87	869.87	870.05	0.019586	1.60	6.05	17.39	0.91
Cuesta Loja	331.504	PF 2	15.00	869.50	869.96	869.96	870.16	0.018957	1.78	7.66	19.09	0.92
Cuesta Loja	331.504	PF 3	21.00	869.50	870.09	870.09	870.27	0.018480	2.02	11.43	32.15	0.94
Cuesta Loja	331.504	PF 4	26.00	869.50	870.15	870.15	870.35	0.018071	2.10	13.20	32.51	0.94
Cuesta Loja	331.504	PF 5	41.00	869.50	870.29	870.29	870.56	0.017361	2.29	17.86	33.46	0.94
Cuesta Loja	355.925	PF 1	11.00	869.50	870.15	870.15	870.18	0.002138	0.83	17.51	68.09	0.33
Cuesta Loja	355.925	PF 2	15.00	869.50	870.25	870.25	870.27	0.001671	0.80	24.55	71.52	0.30
Cuesta Loja	355.925	PF 3	21.00	869.50	870.35	870.35	870.38	0.001588	0.84	31.89	74.94	0.30
Cuesta Loja	355.925	PF 4	26.00	869.50	870.43	870.43	870.45	0.001512	0.86	37.70	77.53	0.29
Cuesta Loja	355.925	PF 5	41.00	869.50	870.63	870.63	870.66	0.001320	0.91	54.17	84.45	0.28
Cuesta Loja	377.811	PF 1	11.00	870.00	871.31	871.31	871.74	0.022924	2.91	3.78	4.42	1.01
Cuesta Loja	377.811	PF 2	15.00	870.00	871.53	871.53	872.02	0.022363	3.12	4.81	4.94	1.01
Cuesta Loja	377.811	PF 3	21.00	870.00	871.81	871.81	872.38	0.021422	3.33	6.30	5.60	1.00
Cuesta Loja	377.811	PF 4	26.00	870.00	872.01	872.01	872.63	0.020876	3.48	7.47	6.07	1.00
Cuesta Loja	377.811	PF 5	41.00	870.00	872.51	872.51	873.24	0.020037	3.77	10.87	7.60	1.01
Cuesta Loja	401.617	PF 1	11.00	872.45	873.76	873.76	874.18	0.021685	2.87	3.84	4.66	1.01

Reach	River Sta	Profile	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
Cuesta Loja	401.617	PF 2	15.00	872.45	873.98	873.98	874.45	0.020618	3.04	4.94	5.26	1.00
Cuesta Loja	401.617	PF 3	21.00	872.45	874.24	874.24	874.79	0.020177	3.27	6.41	5.97	1.01
Cuesta Loja	401.617	PF 4	26.00	872.45	874.43	874.43	875.03	0.019706	3.42	7.60	6.49	1.01
Cuesta Loja	401.617	PF 5	41.00	872.45	874.90	874.90	875.62	0.017658	3.78	10.90	7.74	0.99
Cuesta Loja	426.951	PF 1	11.00	874.81	876.00	876.00	876.36	0.020428	2.69	4.10	5.68	1.01
Cuesta Loja	426.951	PF 2	15.00	874.81	876.19	876.19	876.60	0.019612	2.87	5.23	6.34	1.01
Cuesta Loja	426.951	PF 3	21.00	874.81	876.42	876.42	876.90	0.018621	3.07	6.84	7.18	1.00
Cuesta Loja	426.951	PF 4	26.00	874.81	876.59	876.59	877.12	0.018048	3.20	8.12	7.77	1.00
Cuesta Loja	426.951	PF 5	41.00	874.81	876.99	876.99	877.65	0.015839	3.62	11.43	9.15	0.98
Cuesta Loja	449.834	PF 1	11.00	876.97	877.86	877.86	878.12	0.020031	2.29	4.81	9.05	1.00
Cuesta Loja	449.834	PF 2	15.00	876.97	878.00	878.00	878.30	0.019196	2.44	6.15	10.15	1.00
Cuesta Loja	449.834	PF 3	21.00	876.97	878.17	878.17	878.52	0.018327	2.62	8.03	11.52	1.00
Cuesta Loja	449.834	PF 4	26.00	876.97	878.29	878.29	878.67	0.017812	2.73	9.51	12.49	1.00
Cuesta Loja	449.834	PF 5	41.00	876.97	878.59	878.59	879.06	0.016760	3.03	13.55	14.83	1.00
Cuesta Loja	477.626	PF 1	11.00	879.48	880.10	880.10	880.24	0.024652	1.64	6.72	24.83	1.00
Cuesta Loja	477.626	PF 2	15.00	879.48	880.17	880.17	880.33	0.024112	1.82	8.25	25.61	1.02
Cuesta Loja	477.626	PF 3	21.00	879.48	880.25	880.25	880.45	0.022250	2.00	10.52	26.72	1.02
Cuesta Loja	477.626	PF 4	26.00	879.48	880.32	880.32	880.55	0.020585	2.11	12.33	27.58	1.00
Cuesta Loja	477.626	PF 5	41.00	879.48	880.49	880.49	880.78	0.018112	2.41	17.13	29.72	0.98
Cuesta Loja	501.712	PF 1	11.00	880.00	880.45	880.45	880.51	0.006008	1.08	10.22	24.72	0.53
Cuesta Loja	501.712	PF 2	15.00	880.00	880.53	880.53	880.61	0.006241	1.22	12.27	25.43	0.56
Cuesta Loja	501.712	PF 3	21.00	880.00	880.63	880.63	880.73	0.006680	1.42	14.88	26.30	0.59
Cuesta Loja	501.712	PF 4	26.00	880.00	880.70	880.70	880.83	0.007045	1.56	16.79	26.92	0.62
Cuesta Loja	501.712	PF 5	41.00	880.00	880.88	880.88	881.06	0.007720	1.91	21.69	28.46	0.68
Cuesta Loja	526.817	PF 1	11.00	880.00	880.58	880.58	880.62	0.003518	0.96	11.43	21.66	0.42
Cuesta Loja	526.817	PF 2	15.00	880.00	880.67	880.67	880.73	0.003934	1.11	13.46	22.23	0.46
Cuesta Loja	526.817	PF 3	21.00	880.00	880.78	880.78	880.87	0.004425	1.31	16.06	22.95	0.50
Cuesta Loja	526.817	PF 4	26.00	880.00	880.87	880.87	880.97	0.004776	1.45	17.97	23.46	0.52
Cuesta Loja	526.817	PF 5	41.00	880.00	881.07	881.07	881.23	0.005680	1.80	22.83	24.72	0.59
Cuesta Loja	551.625	PF 1	11.00	880.00	880.67	880.67	880.91	0.020927	2.17	5.07	10.75	1.01
Cuesta Loja	551.625	PF 2	15.00	880.00	880.78	880.78	881.06	0.019943	2.36	6.36	11.52	1.01
Cuesta Loja	551.625	PF 3	21.00	880.00	880.93	880.93	881.27	0.018293	2.57	8.19	12.53	1.00
Cuesta Loja	551.625	PF 4	26.00	880.00	881.05	881.05	881.42	0.017287	2.71	9.66	13.29	0.99
Cuesta Loja	551.625	PF 5	41.00	880.00	881.33	881.33	881.80	0.015314	3.07	13.63	15.14	0.98
Cuesta Loja	574.869	PF 1	11.00	880.57	881.54	881.54	881.83	0.017443	2.41	4.70	8.39	0.96
Cuesta Loja	574.869	PF 2	15.00	880.57	881.69	881.69	882.01	0.016403	2.58	6.05	9.48	0.95
Cuesta Loja	574.869	PF 3	21.00	880.57	881.88	881.88	882.25	0.015390	2.77	7.96	10.84	0.95
Cuesta Loja	574.869	PF 4	26.00	880.57	882.00	882.00	882.41	0.014634	2.94	9.36	11.73	0.94
Cuesta Loja	574.869	PF 5	41.00	880.57	882.33	882.33	882.83	0.012493	3.29	13.60	14.09	0.91
Cuesta Loja	599.644	PF 1	11.00	881.31	882.27	882.27	882.55	0.016835	2.41	4.81	8.77	0.95
Cuesta Loja	599.644	PF 2	15.00	881.31	882.41	882.41	882.74	0.015651	2.61	6.11	9.85	0.94
Cuesta Loja	599.644	PF 3	21.00	881.31	882.59	882.59	882.97	0.014037	2.84	8.03	11.27	0.92
Cuesta Loja	599.644	PF 4	26.00	881.31	882.73	882.73	883.13	0.012880	2.98	9.65	12.34	0.90
Cuesta Loja	599.644	PF 5	41.00	881.31	883.05	883.05	883.54	0.011417	3.33	14.07	14.87	0.89
Cuesta Loja	624.864	PF 1	11.00	882.05	882.97	882.97	883.24	0.016994	2.36	4.89	9.22	0.95
Cuesta Loja	624.864	PF 2	15.00	882.05	883.12	883.12	883.42	0.015994	2.51	6.31	10.44	0.94
Cuesta Loja	624.864	PF 3	21.00	882.05	883.29	883.29	883.64	0.015609	2.71	8.19	11.86	0.95
Cuesta Loja	624.864	PF 4	26.00	882.05	883.41	883.41	883.79	0.015157	2.84	9.72	12.91	0.95
Cuesta Loja	624.864	PF 5	41.00	882.05	883.70	883.70	884.17	0.013299	3.20	13.90	15.40	0.93
Cuesta Loja	649.909	PF 1	11.00	882.80	883.68	883.68	883.95	0.019023	2.30	4.83	9.44	0.99
Cuesta Loja	649.909	PF 2	15.00	882.80	883.82	883.82	884.12	0.017453	2.46	6.24	10.68	0.97
Cuesta Loja	649.909	PF 3	21.00	882.80	883.99	883.99	884.34	0.015911	2.63	8.27	12.25	0.95
Cuesta Loja	649.909	PF 4	26.00	882.80	884.11	884.11	884.49	0.015443	2.76	9.80	13.31	0.95
Cuesta Loja	649.909	PF 5	41.00	882.80	884.40	884.40	884.86	0.013739	3.10	14.00	15.87	0.94
Cuesta Loja	674.892	PF 1	11.00	883.55	884.47	884.47	884.76	0.018127	2.40	4.71	8.44	0.97
Cuesta Loja	674.892	PF 2	15.00	883.55	884.62	884.62	884.94	0.017195	2.56	6.04	9.52	0.97
Cuesta Loja	674.892	PF 3	21.00	883.55	884.80	884.80	885.17	0.016366	2.75	7.91	10.84	0.97
Cuesta Loja	674.892	PF 4	26.00	883.55	884.93	884.93	885.33	0.015950	2.88	9.37	11.77	0.97
Cuesta Loja	674.892	PF 5	41.00	883.55	885.25	885.25	885.73	0.014873	3.14	13.53	14.09	0.97
Cuesta Loja	724.610	PF 1	11.00	885.00	886.02	886.02	886.31	0.015829	2.50	4.76	8.31	0.91
Cuesta Loja	724.610	PF 2	15.00	885.00	886.17	886.17	886.50	0.014942	2.68	6.13	9.42	0.90
Cuesta Loja	724.610	PF 3	21.00	885.00	886.36	886.36	886.73	0.014277	2.89	8.04	10.77	0.90
Cuesta Loja	724.610	PF 4	26.00	885.00	886.50	886.50	886.90	0.013756	3.01	9.57	11.74	0.89
Cuesta Loja	724.610	PF 5	41.00	885.00	886.82	886.82	887.30	0.013205	3.33	13.72	14.09	0.89
Cuesta Loja	748.830	PF 1	11.00	885.73	886.68	886.68	886.95	0.016169	2.37	4.99	9.61	0.93
Cuesta Loja	748.830	PF 2	15.00	885.73	886.82	886.82	887.12	0.015537	2.54	6.39	10.87	0.93

HEC-RAS Plan: Plan 01 River: Cuesta Loja Reach: Cuesta Loja (Continued)

Reach	River Sta	Profile	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
Cuesta Loja	748.830	PF 3	21.00	885.73	886.99	886.99	887.33	0.014875	2.75	8.33	12.39	0.93
Cuesta Loja	748.830	PF 4	26.00	885.73	887.11	887.11	887.48	0.013959	2.90	9.89	13.50	0.92
Cuesta Loja	748.830	PF 5	41.00	885.73	887.41	887.41	887.86	0.012296	3.24	14.35	16.25	0.90
Cuesta Loja	773.800	PF 1	11.00	886.47	887.40	887.40	887.66	0.017298	2.33	4.99	9.78	0.95
Cuesta Loja	773.800	PF 2	15.00	886.47	887.54	887.54	887.83	0.016411	2.47	6.42	11.08	0.95
Cuesta Loja	773.800	PF 3	21.00	886.47	887.70	887.70	888.03	0.016299	2.68	8.29	12.57	0.96
Cuesta Loja	773.800	PF 4	26.00	886.47	887.81	887.81	888.18	0.015193	2.83	9.80	13.65	0.95
Cuesta Loja	773.800	PF 5	41.00	886.47	888.11	888.11	888.56	0.013045	3.17	14.22	16.42	0.93
Cuesta Loja	798.943	PF 1	11.00	887.22	888.10	888.10	888.36	0.017829	2.32	4.98	9.84	0.96
Cuesta Loja	798.943	PF 2	15.00	887.22	888.24	888.24	888.53	0.017227	2.47	6.36	11.08	0.97
Cuesta Loja	798.943	PF 3	21.00	887.22	888.40	888.40	888.73	0.016423	2.63	8.33	12.64	0.97
Cuesta Loja	798.943	PF 4	26.00	887.22	888.51	888.51	888.88	0.016322	2.78	9.77	13.70	0.98
Cuesta Loja	798.943	PF 5	41.00	887.22	888.80	888.80	889.25	0.013874	3.12	14.13	16.61	0.95
Cuesta Loja	824.132	PF 1	11.00	887.97	888.77	888.77	889.00	0.017224	2.25	5.27	11.52	0.94
Cuesta Loja	824.132	PF 2	15.00	887.97	888.89	888.89	889.15	0.016545	2.39	6.75	13.00	0.94
Cuesta Loja	824.132	PF 3	21.00	887.97	889.04	889.04	889.34	0.015756	2.55	8.85	14.85	0.94
Cuesta Loja	824.132	PF 4	26.00	887.97	889.14	889.14	889.47	0.015620	2.67	10.42	16.10	0.95
Cuesta Loja	824.132	PF 5	41.00	887.97	889.39	889.39	889.79	0.014935	2.96	14.78	19.10	0.96
Cuesta Loja	848.664	PF 1	11.00	888.70	889.49	889.49	889.71	0.014188	2.22	5.67	13.54	0.88
Cuesta Loja	848.664	PF 2	15.00	888.70	889.61	889.61	889.86	0.013101	2.39	7.38	15.53	0.87
Cuesta Loja	848.664	PF 3	21.00	888.70	889.75	889.75	890.03	0.012245	2.58	9.76	17.88	0.86
Cuesta Loja	848.664	PF 4	26.00	888.70	889.85	889.85	890.15	0.012143	2.74	11.50	19.42	0.87
Cuesta Loja	848.664	PF 5	41.00	888.70	890.09	890.09	890.44	0.010869	3.00	16.66	22.26	0.86
Cuesta Loja	872.767	PF 1	11.00	889.42	890.00	890.00	890.15	0.017049	1.88	6.52	21.50	0.91
Cuesta Loja	872.767	PF 2	15.00	889.42	890.07	890.07	890.25	0.016771	2.05	7.99	21.74	0.92
Cuesta Loja	872.767	PF 3	21.00	889.42	890.16	890.16	890.39	0.016139	2.25	10.00	21.99	0.93
Cuesta Loja	872.767	PF 4	26.00	889.42	890.23	890.23	890.49	0.015608	2.38	11.55	22.18	0.93
Cuesta Loja	872.767	PF 5	41.00	889.42	890.42	890.42	890.77	0.014407	2.70	15.75	22.69	0.93