



**REGIONE AUTONOMA DELLA SARDEGNA**

PRESIDENZA  
Direzione Generale Agenzia Regionale del  
Distretto Idrografico della Sardegna



**UNIVERSITA' DEGLI STUDI DI CAGLIARI**  
DIPARTIMENTO DI INGEGNERIA CIVILE, AMBIENTALE E  
ARCHITETTURA  
SEZIONE DI INGEGNERIA IDRAULICA

# ACCORDO DI COLLABORAZIONE

tra

**Agenzia Regionale del Distretto Idrografico della Sardegna**

e

**Dipartimento di Ingegneria Civile, Ambientale e Architettura  
dell'Università degli Studi di Cagliari**

*Finalizzato alla predisposizione del Piano di Gestione del Rischio di alluvioni sui principali corsi d'acqua del distretto idrografico della Regione Autonoma della Sardegna, ai sensi dell'art. 7 della Direttiva 2007/60/CE in data 23.10.2007 e dell'art. 7 del Decreto Legislativo 23 febbraio 2010, n. 49*

## Bacino del Fiume Posada

**ALLEGATO**

**5.14.PO-R5.0**

**Tabelle analitiche**

Responsabile Scientifico per DICAAR

*Prof. Giovanni Maria Sechi*

Gruppo di Lavoro DICAAR

*Ing. Mauro Piras*

*Ing. Riccardo Zucca*

*Ing. Saverio Liberatore*

*Ing. Italo Frau*

*Ing. Alessandro Salis*

*Ing. Roberta Floris*

*Ing. Sara Frongia*

*Ing. Jacopo Napolitano*

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle

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 # Chi
Valle	14879.7	T=50	1830.00	10.58	18.88	15.57	19.53	0.001250	3.91	629.83	112.79	0.45
Valle	14879.7	T=100	2260.00	10.58	19.85	16.44	20.60	0.001236	4.21	742.93	119.61	0.46
Valle	14879.7	T=200	2710.00	10.58	20.74	17.17	21.59	0.001258	4.53	852.54	128.23	0.47
Valle	14850	T=50	1830.00	10.07	18.89	15.51	19.48	0.001032	3.67	657.27	112.40	0.41
Valle	14850	T=100	2260.00	10.07	19.86	16.20	20.55	0.001036	3.97	769.77	118.62	0.42
Valle	14850	T=200	2710.00	10.07	20.75	16.84	21.54	0.001066	4.28	878.13	126.73	0.43
Valle	14824.94	T=50	1830.00	10.41	18.74	15.79	19.44	0.001340	3.98	595.22	104.84	0.46
Valle	14824.94	T=100	2260.00	10.41	19.70	16.62	20.51	0.001328	4.29	698.67	111.04	0.47
Valle	14824.94	T=200	2710.00	10.41	20.59	17.30	21.50	0.001327	4.59	798.95	115.73	0.48
Valle	14799.88	T=50	1830.00	9.97	18.70	15.62	19.41	0.001243	3.90	570.32	97.60	0.45
Valle	14799.88	T=100	2260.00	9.97	19.64	16.30	20.47	0.001265	4.25	665.80	105.84	0.46
Valle	14799.88	T=200	2710.00	9.97	20.49	16.96	21.46	0.001306	4.60	759.17	113.78	0.48
Valle	14750	T=50	1830.00	10.03	18.73	15.25	19.32	0.000994	3.56	629.97	102.96	0.40
Valle	14750	T=100	2260.00	10.03	19.68	15.87	20.37	0.001020	3.89	731.34	110.23	0.42
Valle	14750	T=200	2710.00	10.03	20.54	16.49	21.35	0.001065	4.23	828.97	117.77	0.43
Valle	14700	T=50	1830.00	9.97	18.51	15.74	19.24	0.001406	4.11	596.72	109.00	0.48
Valle	14700	T=100	2260.00	9.97	19.47	16.41	20.30	0.001381	4.41	703.67	113.23	0.48
Valle	14700	T=200	2710.00	9.97	20.35	17.09	21.28	0.001388	4.72	804.22	116.85	0.49
Valle	14650	T=50	1830.00	10.08	18.40	15.43	19.17	0.001352	4.10	556.06	94.36	0.47
Valle	14650	T=100	2260.00	10.08	19.32	16.13	20.22	0.001380	4.46	645.57	99.08	0.48
Valle	14650	T=200	2710.00	10.08	20.15	16.88	21.20	0.001430	4.83	729.21	102.46	0.50
Valle	14600	T=50	1830.00	10.04	18.32	15.40	19.10	0.001336	4.04	532.82	91.41	0.47
Valle	14600	T=100	2260.00	10.04	19.24	16.11	20.15	0.001361	4.40	619.10	96.09	0.48
Valle	14600	T=200	2710.00	10.04	20.06	16.84	21.12	0.001407	4.75	699.62	99.32	0.49
Valle	14550	T=50	1830.00	9.99	18.10	15.57	19.01	0.001619	4.40	506.51	90.80	0.51
Valle	14550	T=100	2260.00	9.99	18.98	16.26	20.06	0.001673	4.82	590.04	105.56	0.53
Valle	14550	T=200	2710.00	9.99	19.77	17.04	21.03	0.001747	5.22	677.06	113.57	0.55
Valle	14521.16	T=50	1830.00	10.00	17.98	15.64	18.96	0.001858	4.64	502.06	89.83	0.55
Valle	14521.16	T=100	2260.00	10.00	18.80	16.43	20.00	0.001979	5.14	584.14	105.19	0.57
Valle	14521.16	T=200	2710.00	10.00	19.61	17.08	20.96	0.002013	5.52	672.55	113.73	0.59
Valle	14500.45	T=50	1830.00	9.94	17.92	15.66	18.92	0.001914	4.69	505.62	95.61	0.55
Valle	14500.45	T=100	2260.00	9.94	18.78	16.35	19.95	0.001956	5.10	591.80	104.74	0.57
Valle	14500.45	T=200	2710.00	9.94	19.59	16.69	20.91	0.001993	5.48	679.12	112.92	0.58
Valle	14475.56	T=50	1830.00	9.97	17.92	15.38	18.86	0.001678	4.50	518.37	99.93	0.52
Valle	14475.56	T=100	2260.00	9.97	18.80	16.10	19.88	0.001705	4.87	609.81	107.14	0.53
Valle	14475.56	T=200	2710.00	9.97	19.59	16.87	20.85	0.001777	5.28	698.30	120.10	0.55
Valle	14450.27	T=50	1830.00	9.99	17.92	15.36	18.80	0.001570	4.34	526.18	96.97	0.50
Valle	14450.27	T=100	2260.00	9.99	18.79	16.10	19.82	0.001620	4.74	617.14	109.36	0.52
Valle	14450.27	T=200	2710.00	9.99	19.58	16.74	20.78	0.001685	5.14	709.91	123.54	0.54
Valle	14425.12	T=50	1830.00	9.95	17.91	15.36	18.74	0.001493	4.19	536.55	100.24	0.49
Valle	14425.12	T=100	2260.00	9.95	18.80	16.06	19.76	0.001518	4.55	628.64	108.48	0.50
Valle	14425.12	T=200	2710.00	9.95	19.60	16.72	20.72	0.001572	4.93	724.58	124.05	0.52
Valle	14399.99	T=50	1830.00	9.91	17.94	15.14	18.68	0.001323	4.00	561.42	97.79	0.46
Valle	14399.99	T=100	2260.00	9.91	18.80	15.87	19.71	0.001390	4.40	652.94	113.84	0.48
Valle	14399.99	T=200	2710.00	9.91	19.62	16.51	20.66	0.001432	4.75	752.59	127.43	0.50
Valle	14374.7	T=50	1830.00	9.67	17.97	14.79	18.63	0.001092	3.75	593.30	98.40	0.42
Valle	14374.7	T=100	2260.00	9.67	18.83	15.45	19.65	0.001175	4.17	687.95	119.72	0.45
Valle	14374.7	T=200	2710.00	9.67	19.66	16.07	20.59	0.001212	4.49	790.93	130.19	0.46
Valle	14349.63	T=50	1830.00	9.68	17.96	14.71	18.59	0.001090	3.69	606.93	101.37	0.42
Valle	14349.63	T=100	2260.00	9.68	18.83	15.35	19.61	0.001162	4.10	704.63	122.76	0.44
Valle	14349.63	T=200	2710.00	9.68	19.65	15.95	20.55	0.001209	4.44	811.51	137.12	0.46
Valle	14300	T=50	1830.00	9.70	17.97	14.47	18.52	0.000933	3.46	668.44	116.36	0.39
Valle	14300	T=100	2260.00	9.70	18.86	15.07	19.52	0.000977	3.80	776.19	123.73	0.41
Valle	14300	T=200	2710.00	9.70	19.69	15.69	20.46	0.001019	4.12	882.77	136.08	0.42
Valle	14251.39	T=50	1830.00	9.44	17.97	14.03	18.45	0.000753	3.17	698.60	120.20	0.35
Valle	14251.39	T=100	2260.00	9.44	18.88	14.64	19.45	0.000781	3.47	810.60	126.18	0.37
Valle	14251.39	T=200	2710.00	9.44	19.71	15.23	20.38	0.000828	3.78	921.71	149.43	0.38
Valle	14224.5	T=50	1830.00	9.31	17.97	13.87	18.43	0.000699	3.11	731.36	124.87	0.34
Valle	14224.5	T=100	2260.00	9.31	18.88	14.48	19.42	0.000730	3.41	848.27	132.08	0.36
Valle	14224.5	T=200	2710.00	9.31	19.71	15.05	20.35	0.000778	3.72	965.98	156.51	0.37
Valle	14193.88	T=50	1830.00	9.53	17.94	14.17	18.40	0.000756	3.17	733.84	124.59	0.35
Valle	14193.88	T=100	2260.00	9.53	18.85	14.80	19.40	0.000783	3.46	849.93	131.71	0.37
Valle	14193.88	T=200	2710.00	9.53	19.65	15.36	20.32	0.000864	3.85	967.83	173.22	0.39

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	14172	T=50	1830.00	9.46	17.89	14.37	18.38	0.000850	3.26	706.78	126.67	0.37
Valle	14172	T=100	2260.00	9.46	18.81	14.93	19.38	0.000858	3.52	824.33	130.26	0.38
Valle	14172	T=200	2710.00	9.46	19.62	15.64	20.30	0.000922	3.88	935.23	155.51	0.40
Valle	14150	T=50	1830.00	9.24	17.87	14.40	18.36	0.000874	3.30	735.88	152.99	0.38
Valle	14150	T=100	2260.00	9.24	18.80	15.03	19.35	0.000851	3.51	880.15	154.71	0.38
Valle	14150	T=200	2710.00	9.24	19.65	15.65	20.26	0.000861	3.75	1012.37	161.58	0.39
Valle	14122.54	T=50	1830.00	9.56	17.84	14.51	18.34	0.000975	3.38	752.75	159.94	0.39
Valle	14122.54	T=100	2260.00	9.56	18.78	15.34	19.33	0.000930	3.57	906.81	166.11	0.39
Valle	14122.54	T=200	2710.00	9.56	19.63	16.13	20.23	0.000923	3.80	1051.60	174.65	0.40
Valle	14090.99	T=50	1830.00	9.12	17.78	15.02	18.30	0.001139	3.50	742.31	158.57	0.42
Valle	14090.99	T=100	2260.00	9.12	18.73	15.42	19.29	0.001064	3.68	895.69	164.99	0.42
Valle	14090.99	T=200	2710.00	9.12	19.59	16.43	20.20	0.001029	3.88	1041.77	171.01	0.42
Valle	14050	T=50	1830.00	9.18	17.66	15.29	18.25	0.001220	3.69	686.27	141.98	0.43
Valle	14050	T=100	2260.00	9.18	18.59	15.93	19.24	0.001169	3.91	821.33	147.02	0.43
Valle	14050	T=200	2710.00	9.18	19.42	16.51	20.15	0.001170	4.17	953.08	165.73	0.44
Valle	14015.13	T=50	1830.00	9.18	17.70	14.85	18.18	0.000962	3.27	736.12	145.58	0.38
Valle	14015.13	T=100	2260.00	9.18	18.63	15.47	19.17	0.000942	3.50	875.82	153.97	0.39
Valle	14015.13	T=200	2710.00	9.18	19.48	16.01	20.07	0.000933	3.72	1007.60	157.38	0.39
Valle	13970.09	T=50	1830.00	9.28	17.67	15.20	18.13	0.000975	3.26	797.50	170.54	0.39
Valle	13970.09	T=100	2260.00	9.28	18.63	15.75	19.11	0.000907	3.42	964.98	178.65	0.38
Valle	13970.09	T=200	2710.00	9.28	19.49	16.29	20.01	0.000870	3.58	1119.99	181.17	0.38
Valle	13938.06	T=50	1830.00	9.45	17.60	15.45	18.09	0.001110	3.39	792.16	190.18	0.42
Valle	13938.06	T=100	2260.00	9.45	18.59	15.94	19.08	0.000977	3.48	984.15	198.76	0.40
Valle	13938.06	T=200	2710.00	9.45	19.46	16.52	19.98	0.000913	3.61	1160.29	204.88	0.39
Valle	13908.91	T=50	1830.00	9.53	17.55	15.44	18.06	0.001166	3.42	771.44	187.70	0.42
Valle	13908.91	T=100	2260.00	9.53	18.53	16.05	19.05	0.001033	3.53	966.17	206.43	0.41
Valle	13908.91	T=200	2710.00	9.53	19.42	16.54	19.95	0.000946	3.63	1152.49	212.96	0.40
Valle	13884.98	T=50	1830.00	9.13	17.57	15.25	18.01	0.000988	3.21	832.35	199.69	0.39
Valle	13884.98	T=100	2260.00	9.13	18.56	15.84	19.01	0.000874	3.30	1036.31	211.68	0.38
Valle	13884.98	T=200	2710.00	9.13	19.44	16.33	19.91	0.000821	3.44	1228.59	224.06	0.37
Valle	13856.93	T=50	1830.00	9.79	17.55	15.41	17.98	0.001025	3.20	862.03	206.90	0.40
Valle	13856.93	T=100	2260.00	9.79	18.55	15.91	18.97	0.000881	3.26	1072.69	212.91	0.38
Valle	13856.93	T=200	2710.00	9.79	19.45	16.39	19.88	0.000807	3.36	1263.54	214.96	0.37
Valle	13830	T=50	1830.00	8.49	17.58	14.53	17.93	0.000751	2.91	933.05	209.18	0.34
Valle	13830	T=100	2260.00	8.49	18.57	15.40	18.94	0.000678	3.01	1144.18	215.67	0.33
Valle	13830	T=200	2710.00	8.49	19.46	15.93	19.85	0.000646	3.14	1338.93	223.01	0.33
Valle	13800	T=50	1830.00	8.08	17.62	13.78	17.89	0.000530	2.52	1074.05	243.39	0.29
Valle	13800	T=100	2260.00	8.08	18.61	14.49	18.89	0.000485	2.62	1321.42	253.00	0.28
Valle	13800	T=200	2710.00	8.08	19.50	15.35	19.80	0.000466	2.74	1550.57	263.25	0.28
Valle	13783.29	T=50	1830.00	8.43	17.63	13.36	17.87	0.000461	2.36	1117.73	241.10	0.27
Valle	13783.29	T=100	2260.00	8.43	18.62	14.25	18.88	0.000429	2.47	1362.20	252.54	0.27
Valle	13783.29	T=200	2710.00	8.43	19.51	14.74	19.79	0.000416	2.59	1592.27	264.14	0.27
Valle	13767.3	T=50	1830.00	8.39	17.65	13.19	17.85	0.000396	2.18	1311.71	318.65	0.25
Valle	13767.3	T=100	2260.00	8.39	18.65	13.44	18.86	0.000364	2.27	1649.83	364.76	0.25
Valle	13767.3	T=200	2710.00	8.39	19.55	14.43	19.76	0.000339	2.34	1994.54	392.65	0.24
Valle	13752.25	T=50	1830.00	8.27	17.66	12.92	17.84	0.000378	2.11	1249.63	237.63	0.25
Valle	13752.25	T=100	2260.00	8.27	18.65	13.46	18.85	0.000357	2.23	1490.09	247.15	0.24
Valle	13752.25	T=200	2710.00	8.27	19.53	13.74	19.76	0.000355	2.38	1716.79	264.63	0.25
Valle	13734.86	T=50	1830.00	8.26	17.55	13.34	17.82	0.000567	2.50	970.60	195.40	0.30
Valle	13734.86	T=100	2260.00	8.26	18.53	14.10	18.83	0.000538	2.65	1169.94	212.13	0.30
Valle	13734.86	T=200	2710.00	8.26	19.40	14.79	19.74	0.000532	2.82	1364.22	233.93	0.30
Valle	13710.16	T=50	1830.00	8.51	17.44	13.52	17.80	0.000797	2.88	864.46	217.94	0.35
Valle	13710.16	T=100	2260.00	8.51	18.41	14.40	18.81	0.000746	3.04	1106.29	273.54	0.35
Valle	13710.16	T=200	2710.00	8.51	19.31	14.99	19.72	0.000683	3.13	1386.19	341.84	0.34
Valle	13679.59	T=50	1830.00	8.45	17.37	14.02	17.77	0.000840	3.00	812.35	169.17	0.36
Valle	13679.59	T=100	2260.00	8.45	18.34	14.71	18.78	0.000801	3.20	984.52	188.20	0.36
Valle	13679.59	T=200	2710.00	8.45	19.20	15.20	19.68	0.000784	3.39	1152.23	202.86	0.36
Valle	13650	T=50	1830.00	8.42	17.26	13.98	17.74	0.000969	3.24	728.76	150.34	0.39
Valle	13650	T=100	2260.00	8.42	18.21	14.72	18.74	0.000930	3.45	880.08	167.20	0.39
Valle	13650	T=200	2710.00	8.42	19.06	15.16	19.65	0.000915	3.66	1026.88	178.50	0.39
Valle	13630.1	T=50	1830.00	8.41	17.09	14.19	17.70	0.001240	3.67	649.10	135.99	0.44
Valle	13630.1	T=100	2260.00	8.41	18.01	14.92	18.71	0.001218	3.95	781.65	156.87	0.44

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	13630.1	T=200	2710.00	8.41	18.84	15.18	19.61	0.001207	4.19	920.70	175.86	0.45
Valle	13606.86	T=50	1830.00	8.25	16.90	14.48	17.65	0.001573	4.03	577.54	127.54	0.49
Valle	13606.86	T=100	2260.00	8.25	17.83	15.10	18.66	0.001503	4.29	700.52	143.98	0.49
Valle	13606.86	T=200	2710.00	8.25	18.64	15.78	19.56	0.001485	4.56	828.56	165.32	0.50
Valle	13581.61	T=50	1830.00	8.24	16.72	14.82	17.59	0.002175	4.59	567.80	136.29	0.57
Valle	13581.61	T=100	2260.00	8.24	17.68	15.60	18.61	0.001975	4.79	712.15	170.98	0.56
Valle	13581.61	T=200	2710.00	8.24	18.58	16.21	19.52	0.001791	4.92	869.01	178.35	0.54
Valle	13549.57	T=50	1830.00	8.92	16.95	14.36	17.41	0.001386	3.74	912.25	285.05	0.46
Valle	13549.57	T=100	2260.00	8.92	18.00	14.77	18.40	0.001086	3.65	1230.59	318.39	0.42
Valle	13549.57	T=200	2710.00	8.92	18.93	15.71	19.31	0.000917	3.61	1537.56	335.60	0.39
Valle	13500	T=50	1830.00	9.08	16.99	14.09	17.32	0.000869	3.18	1068.11	253.32	0.37
Valle	13500	T=100	2260.00	9.08	18.01	14.50	18.34	0.000753	3.23	1341.47	286.79	0.36
Valle	13500	T=200	2710.00	9.08	18.93	15.33	19.26	0.000685	3.30	1615.11	308.40	0.35
Valle	13450	T=50	1830.00	9.13	17.05	13.48	17.25	0.000533	2.56	1363.80	268.98	0.30
Valle	13450	T=100	2260.00	9.13	18.07	13.76	18.27	0.000480	2.64	1647.84	288.12	0.29
Valle	13450	T=200	2710.00	9.13	18.98	14.35	19.19	0.000458	2.76	1919.92	313.56	0.28
Valle	13400	T=50	1830.00	8.30	17.06	12.62	17.21	0.000387	2.32	1484.64	259.72	0.26
Valle	13400	T=100	2260.00	8.30	18.07	13.20	18.24	0.000374	2.46	1754.18	274.72	0.26
Valle	13400	T=200	2710.00	8.30	18.98	13.46	19.17	0.000368	2.59	2008.30	284.05	0.26
Valle	13350	T=50	1830.00	8.02	17.08	11.78	17.18	0.000259	1.92	1701.87	245.67	0.21
Valle	13350	T=100	2260.00	8.02	18.09	12.17	18.21	0.000263	2.09	1954.97	254.83	0.22
Valle	13350	T=200	2710.00	8.02	19.00	12.53	19.13	0.000269	2.24	2188.73	258.84	0.22
Valle	13324.55	T=50	1830.00	8.20	17.06	11.95	17.17	0.000298	2.00	1620.15	245.59	0.22
Valle	13324.55	T=100	2260.00	8.20	18.07	12.37	18.20	0.000296	2.15	1871.69	251.51	0.23
Valle	13324.55	T=200	2710.00	8.20	18.98	12.68	19.13	0.000305	2.33	2104.41	260.76	0.23
Valle	13299.47	T=50	1830.00	8.19	17.04	12.02	17.17	0.000334	2.11	1570.24	245.20	0.24
Valle	13299.47	T=100	2260.00	8.19	18.05	12.44	18.19	0.000324	2.25	1819.49	247.16	0.24
Valle	13299.47	T=200	2710.00	8.19	18.96	12.84	19.12	0.000326	2.40	2044.90	249.23	0.24
Valle	13250	T=50	1830.00	7.79	17.02	12.65	17.15	0.000360	2.28	1614.23	268.01	0.25
Valle	13250	T=100	2260.00	7.79	18.03	13.33	18.18	0.000344	2.40	1889.43	273.53	0.25
Valle	13250	T=200	2710.00	7.79	18.95	13.70	19.10	0.000343	2.54	2142.15	285.00	0.25
Valle	13200	T=50	1830.00	8.08	17.01	11.51	17.12	0.000344	2.17	1622.96	244.36	0.24
Valle	13200	T=100	2260.00	8.08	18.03	12.61	18.15	0.000339	2.32	1873.80	253.55	0.24
Valle	13200	T=200	2710.00	8.08	18.94	13.00	19.08	0.000342	2.48	2117.52	273.20	0.25
Valle	13150	T=50	1830.00	7.92	16.99	11.21	17.10	0.000402	2.34	1512.55	224.78	0.26
Valle	13150	T=100	2260.00	7.92	18.00	12.47	18.13	0.000400	2.52	1743.60	231.70	0.26
Valle	13150	T=200	2710.00	7.92	18.90	12.84	19.06	0.000411	2.71	1956.37	239.94	0.27
Valle	13100	T=50	1830.00	8.14	16.92	11.51	17.08	0.000453	2.47	1317.14	208.49	0.27
Valle	13100	T=100	2260.00	8.14	17.92	11.94	18.11	0.000456	2.68	1535.29	225.24	0.28
Valle	13100	T=200	2710.00	8.14	18.82	12.40	19.03	0.000468	2.89	1742.36	237.32	0.29
Valle	13050	T=50	1830.00	7.35	16.81	12.25	17.05	0.000507	2.61	1117.15	183.40	0.29
Valle	13050	T=100	2260.00	7.35	17.79	12.88	18.07	0.000517	2.83	1309.28	207.63	0.30
Valle	13050	T=200	2710.00	7.35	18.68	13.34	19.00	0.000521	3.03	1501.18	220.10	0.30
Valle	13023.7	T=50	1830.00	7.30	16.63	12.92	17.02	0.000719	3.14	884.86	155.79	0.35
Valle	13023.7	T=100	2260.00	7.30	17.59	13.45	18.04	0.000732	3.41	1044.58	178.02	0.36
Valle	13023.7	T=200	2710.00	7.30	18.45	14.01	18.96	0.000759	3.68	1208.49	206.62	0.37
Valle	12994	T=50	1830.00	7.54	16.42	13.25	16.97	0.001011	3.67	742.45	145.87	0.41
Valle	12994	T=100	2260.00	7.54	17.37	13.82	18.00	0.001020	3.97	892.87	174.53	0.42
Valle	12994	T=200	2710.00	7.54	18.19	14.39	18.91	0.001069	4.30	1055.38	218.62	0.43
Valle	12950	T=50	1830.00	6.95	16.35	13.23	16.93	0.000987	3.76	792.30	173.21	0.41
Valle	12950	T=100	2260.00	6.95	17.32	13.69	17.95	0.000973	4.01	970.13	199.56	0.41
Valle	12950	T=200	2710.00	6.95	18.17	14.60	18.85	0.000979	4.25	1149.50	227.39	0.42
Valle	12900	T=50	1830.00	6.99	16.19	13.34	16.87	0.001133	3.92	696.39	159.74	0.43
Valle	12900	T=100	2260.00	6.99	17.16	14.16	17.89	0.001107	4.17	867.57	193.70	0.43
Valle	12900	T=200	2710.00	6.99	18.03	14.78	18.80	0.001077	4.36	1047.92	225.42	0.44
Valle	12850	T=50	1830.00	7.10	16.11	13.29	16.80	0.001266	4.05	696.67	154.62	0.45
Valle	12850	T=100	2260.00	7.10	17.08	13.74	17.83	0.001231	4.31	856.24	190.16	0.46
Valle	12850	T=200	2710.00	7.10	17.95	14.45	18.74	0.001190	4.50	1063.10	283.61	0.46
Valle	12800	T=50	1830.00	6.68	16.13	12.77	16.71	0.001049	3.76	852.70	310.37	0.42
Valle	12800	T=100	2260.00	6.68	17.19	13.89	17.71	0.000864	3.69	1217.69	384.30	0.39
Valle	12800	T=200	2710.00	6.68	18.11	14.24	18.60	0.000784	3.75	1614.38	471.91	0.37
Valle	12750	T=50	1830.00	7.14	16.05	12.64	16.66	0.000998	3.71	723.05	211.16	0.41

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	12750	T=100	2260.00	7.14	16.98	13.54	17.66	0.000995	3.97	942.98	248.71	0.42
Valle	12750	T=200	2710.00	7.14	17.85	14.24	18.54	0.000947	4.11	1179.19	307.41	0.41
Valle	12700	T=50	1830.00	6.49	16.11	11.86	16.58	0.000698	3.19	746.48	133.07	0.34
Valle	12700	T=100	2260.00	6.49	17.02	12.48	17.58	0.000733	3.49	875.81	155.14	0.36
Valle	12700	T=200	2710.00	6.49	17.84	13.24	18.48	0.000774	3.78	1015.62	193.23	0.37
Valle	12650	T=50	1830.00	6.00	16.16	11.03	16.51	0.000480	2.72	818.23	135.15	0.29
Valle	12650	T=100	2260.00	6.00	17.08	11.65	17.51	0.000516	3.01	954.77	161.40	0.30
Valle	12650	T=200	2710.00	6.00	17.91	12.25	18.40	0.000551	3.27	1100.23	186.33	0.32
Valle	12600	T=50	1830.00	6.74	16.20	10.95	16.46	0.000368	2.35	925.66	146.01	0.25
Valle	12600	T=100	2260.00	6.74	17.13	11.50	17.45	0.000392	2.59	1070.92	164.07	0.26
Valle	12600	T=200	2710.00	6.74	17.97	12.04	18.34	0.000420	2.83	1215.18	182.55	0.28
Valle	12550	T=50	1830.00	6.33	16.24	10.38	16.42	0.000243	1.92	1057.94	152.50	0.20
Valle	12550	T=100	2260.00	6.33	17.19	10.86	17.41	0.000263	2.13	1208.16	170.02	0.22
Valle	12550	T=200	2710.00	6.33	18.03	11.35	18.29	0.000283	2.33	1356.79	181.55	0.23
Valle	12500	T=50	1830.00	5.94	16.24	10.16	16.41	0.000222	1.88	1130.76	162.53	0.20
Valle	12500	T=100	2260.00	5.94	17.18	10.67	17.39	0.000241	2.09	1287.74	172.02	0.21
Valle	12500	T=200	2710.00	5.94	18.03	11.16	18.27	0.000261	2.29	1436.88	182.82	0.22
Valle	12450	T=50	1830.00	5.75	16.19	10.09	16.39	0.000261	2.06	1013.97	139.64	0.21
Valle	12450	T=100	2260.00	5.75	17.12	10.65	17.37	0.000286	2.30	1151.16	158.61	0.23
Valle	12450	T=200	2710.00	5.75	17.95	11.17	18.25	0.000312	2.52	1289.02	172.56	0.24
Valle	12400	T=50	1830.00	5.63	15.96	11.38	16.36	0.000563	2.91	801.86	144.43	0.31
Valle	12400	T=100	2260.00	5.63	16.87	12.09	17.33	0.000598	3.20	938.40	156.81	0.32
Valle	12400	T=200	2710.00	5.63	17.67	12.74	18.21	0.000639	3.48	1067.96	165.73	0.34
Valle	12350	T=50	1830.00	5.73	15.36	12.82	16.26	0.001486	4.56	586.44	135.76	0.50
Valle	12350	T=100	2260.00	5.73	16.19	13.47	17.23	0.001565	4.97	710.05	160.21	0.52
Valle	12350	T=200	2710.00	5.73	16.97	14.34	18.10	0.001586	5.28	838.75	167.32	0.53
Valle	12300	T=50	1830.00	5.60	15.53	11.57	16.11	0.000857	3.57	698.58	138.77	0.38
Valle	12300	T=100	2260.00	5.60	16.38	12.41	17.06	0.000924	3.93	825.43	161.66	0.40
Valle	12300	T=200	2710.00	5.60	17.15	13.24	17.94	0.000986	4.27	958.67	179.18	0.42
Valle	12250	T=50	1830.00	5.77	15.51	11.43	16.06	0.000850	3.42	674.91	138.99	0.37
Valle	12250	T=100	2260.00	5.77	16.35	12.14	17.01	0.000913	3.77	803.17	169.30	0.39
Valle	12250	T=200	2710.00	5.77	17.13	12.45	17.88	0.000959	4.08	950.16	200.39	0.41
Valle	12200	T=50	1830.00	5.70	15.53	10.68	16.00	0.000610	3.13	709.83	130.06	0.32
Valle	12200	T=100	2260.00	5.70	16.37	11.37	16.95	0.000672	3.48	821.37	135.30	0.35
Valle	12200	T=200	2710.00	5.70	17.14	12.10	17.81	0.000733	3.81	926.76	139.25	0.37
Valle	12174.76	T=50	1830.00	5.67	15.53	10.66	15.98	0.000592	3.01	709.16	123.37	0.32
Valle	12174.76	T=100	2260.00	5.67	16.38	11.34	16.92	0.000655	3.36	815.62	130.08	0.34
Valle	12174.76	T=200	2710.00	5.67	17.14	11.95	17.79	0.000716	3.69	917.52	136.47	0.36
Valle	12148.17	T=50	1830.00	5.76	15.56	10.39	15.94	0.000503	2.78	754.52	116.89	0.29
Valle	12148.17	T=100	2260.00	5.76	16.41	11.06	16.88	0.000561	3.11	857.11	125.14	0.31
Valle	12148.17	T=200	2710.00	5.76	17.18	11.69	17.75	0.000617	3.43	956.26	132.18	0.33
Valle	12101.3	T=50	1830.00	5.82	15.45	10.68	15.91	0.000669	3.20	727.46	106.76	0.34
Valle	12101.3	T=100	2260.00	5.82	16.24	11.34	16.84	0.000774	3.64	824.91	132.13	0.37
Valle	12101.3	T=200	2710.00	5.82	16.99	11.97	17.70	0.000846	4.00	924.92	135.72	0.39
Valle	12075.52	T=50	1830.00	5.77	15.42	10.98	15.89	0.000717	3.28	762.39	130.70	0.35
Valle	12075.52	T=100	2260.00	5.77	16.24	11.61	16.81	0.000793	3.66	882.75	162.47	0.37
Valle	12075.52	T=200	2710.00	5.77	16.99	12.25	17.67	0.000860	4.00	1006.70	167.88	0.39
Valle	12050	T=50	1830.00	5.69	15.35	11.36	15.87	0.000817	3.50	802.45	171.70	0.37
Valle	12050	T=100	2260.00	5.69	16.19	12.09	16.79	0.000869	3.83	957.18	206.28	0.39
Valle	12050	T=200	2710.00	5.69	16.98	12.75	17.64	0.000893	4.09	1127.59	219.87	0.40
Valle	12000	T=50	1830.00	5.91	15.45	11.23	15.77	0.000637	3.16	1188.35	289.13	0.33
Valle	12000	T=100	2260.00	5.91	16.32	11.83	16.68	0.000658	3.41	1452.31	316.99	0.34
Valle	12000	T=200	2710.00	5.91	17.16	12.60	17.51	0.000613	3.47	1720.50	320.72	0.33
Valle	11950	T=50	1830.00	5.79	15.44	11.95	15.73	0.000694	2.94	1118.40	229.13	0.33
Valle	11950	T=100	2260.00	5.79	16.32	12.43	16.63	0.000679	3.12	1326.40	240.44	0.33
Valle	11950	T=200	2710.00	5.79	17.14	12.86	17.47	0.000675	3.30	1525.60	248.91	0.34
Valle	11900	T=50	1830.00	6.90	15.32	12.25	15.68	0.000766	2.93	908.10	208.01	0.35
Valle	11900	T=100	2260.00	6.90	16.17	12.81	16.58	0.000770	3.16	1094.28	224.19	0.35
Valle	11900	T=200	2710.00	6.90	16.99	13.27	17.43	0.000742	3.31	1279.91	228.90	0.35
Valle	11850	T=50	1830.00	5.80	15.35	10.76	15.63	0.000510	2.57	1043.60	211.60	0.29
Valle	11850	T=100	2260.00	5.80	16.21	11.47	16.52	0.000522	2.78	1234.33	227.06	0.30
Valle	11850	T=200	2710.00	5.80	17.02	11.98	17.37	0.000524	2.96	1420.07	229.17	0.30

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	11800	T=50	1830.00	5.18	15.32	10.41	15.60	0.000435	2.53	1070.97	227.10	0.27
Valle	11800	T=100	2260.00	5.18	16.18	11.08	16.50	0.000450	2.74	1269.25	232.69	0.28
Valle	11800	T=200	2710.00	5.18	17.00	11.80	17.34	0.000460	2.92	1459.87	236.13	0.29
Valle	11750	T=50	1830.00	5.17	15.31	9.98	15.58	0.000388	2.49	1096.57	228.99	0.26
Valle	11750	T=100	2260.00	5.17	16.17	10.59	16.48	0.000408	2.71	1295.66	234.71	0.27
Valle	11750	T=200	2710.00	5.17	16.98	11.34	17.32	0.000423	2.90	1487.05	237.11	0.28
Valle	11700	T=50	1830.00	5.06	15.36	9.14	15.54	0.000237	2.02	1311.44	256.33	0.20
Valle	11700	T=100	2260.00	5.06	16.22	9.76	16.43	0.000254	2.21	1536.51	264.10	0.22
Valle	11700	T=200	2710.00	5.06	17.03	10.27	17.27	0.000267	2.38	1753.86	269.47	0.22
Valle	11650	T=50	1830.00	4.92	15.39	8.62	15.51	0.000155	1.65	1663.11	281.23	0.17
Valle	11650	T=100	2260.00	4.92	16.26	9.10	16.40	0.000167	1.81	1910.63	288.45	0.18
Valle	11650	T=200	2710.00	4.92	17.08	9.56	17.24	0.000178	1.96	2148.71	291.45	0.18
Valle	11620.92	T=50	1830.00	4.92	15.36	9.16	15.50	0.000200	1.83	1490.62	279.01	0.19
Valle	11620.92	T=100	2260.00	4.92	16.22	9.67	16.39	0.000212	2.00	1735.02	283.58	0.20
Valle	11620.92	T=200	2710.00	4.92	17.04	10.12	17.23	0.000223	2.15	1968.33	287.57	0.20
Valle	11600	T=50	1830.00	5.13	15.34	9.37	15.50	0.000223	1.87	1435.40	276.07	0.20
Valle	11600	T=100	2260.00	5.13	16.21	9.90	16.38	0.000235	2.04	1677.70	282.63	0.20
Valle	11600	T=200	2710.00	5.13	17.03	10.44	17.22	0.000245	2.19	1909.85	285.40	0.21
Valle	11582.21	T=50	1830.00	7.59	15.29	11.26	15.49	0.000394	2.11	1196.87	263.03	0.25
Valle	11582.21	T=100	2260.00	7.59	16.16	11.74	16.38	0.000382	2.24	1427.05	266.32	0.25
Valle	11582.21	T=200	2710.00	7.59	16.98	12.17	17.21	0.000378	2.38	1648.98	276.52	0.25
Valle	11570		Bridge									
Valle	11567.88	T=50	1830.00	6.33	15.29	10.90	15.47	0.000349	2.03	1204.50	244.30	0.24
Valle	11567.88	T=100	2260.00	6.33	16.15	11.38	16.36	0.000348	2.18	1417.74	248.57	0.24
Valle	11567.88	T=200	2710.00	6.33	16.96	11.80	17.20	0.000351	2.33	1625.68	259.30	0.25
Valle	11550	T=50	1830.00	4.73	15.30	9.37	15.46	0.000228	1.88	1285.42	222.90	0.20
Valle	11550	T=100	2260.00	4.73	16.16	9.89	16.35	0.000246	2.07	1479.20	227.58	0.21
Valle	11550	T=200	2710.00	4.73	16.97	10.37	17.19	0.000262	2.25	1665.47	232.74	0.22
Valle	11500	T=50	1830.00	4.92	15.21	9.98	15.44	0.000344	2.23	1049.59	172.83	0.24
Valle	11500	T=100	2260.00	4.92	16.05	10.48	16.33	0.000375	2.47	1197.72	179.31	0.25
Valle	11500	T=200	2710.00	4.92	16.84	10.97	17.16	0.000403	2.70	1341.28	187.11	0.27
Valle	11450	T=50	1830.00	4.82	15.00	10.90	15.40	0.000626	3.19	932.84	168.19	0.33
Valle	11450	T=100	2260.00	4.82	15.81	11.54	16.28	0.000680	3.51	1072.26	175.37	0.35
Valle	11450	T=200	2710.00	4.82	16.58	12.44	17.11	0.000727	3.80	1210.01	182.81	0.36
Valle	11400	T=50	1830.00	4.72	15.08	10.52	15.33	0.000407	2.50	1148.06	214.82	0.26
Valle	11400	T=100	2260.00	4.72	15.91	11.07	16.20	0.000436	2.73	1330.94	226.61	0.28
Valle	11400	T=200	2710.00	4.72	16.69	11.74	17.03	0.000458	2.95	1512.78	237.08	0.29
Valle	11350	T=50	1830.00	4.89	14.96	11.41	15.30	0.000654	3.03	1055.00	219.94	0.33
Valle	11350	T=100	2260.00	4.89	15.79	11.88	16.17	0.000679	3.28	1243.58	235.95	0.34
Valle	11350	T=200	2710.00	4.89	16.58	12.82	16.99	0.000686	3.48	1435.78	247.43	0.35
Valle	11300	T=50	1830.00	4.83	15.01	10.04	15.24	0.000352	2.40	1217.94	226.38	0.25
Valle	11300	T=100	2260.00	4.83	15.84	10.60	16.11	0.000387	2.66	1413.79	249.61	0.26
Valle	11300	T=200	2710.00	4.83	16.63	11.38	16.94	0.000404	2.85	1614.12	258.64	0.27
Valle	11250	T=50	1830.00	4.68	15.08	8.39	15.20	0.000151	1.60	1446.62	201.59	0.16
Valle	11250	T=100	2260.00	4.68	15.92	8.87	16.06	0.000172	1.80	1621.25	214.64	0.18
Valle	11250	T=200	2710.00	4.68	16.71	9.28	16.88	0.000190	1.98	1796.21	226.81	0.19
Valle	11225.57	T=50	1830.00	4.68	15.03	8.91	15.19	0.000217	1.88	1309.35	193.16	0.19
Valle	11225.57	T=100	2260.00	4.68	15.86	9.53	16.05	0.000242	2.10	1471.06	198.01	0.21
Valle	11225.57	T=200	2710.00	4.68	16.64	10.08	16.87	0.000267	2.32	1628.97	206.76	0.22
Valle	11199.59	T=50	1830.00	4.61	14.97	9.67	15.18	0.000317	2.26	1174.96	174.14	0.23
Valle	11199.59	T=100	2260.00	4.61	15.78	10.28	16.04	0.000355	2.53	1318.29	179.96	0.25
Valle	11199.59	T=200	2710.00	4.61	16.55	10.83	16.86	0.000389	2.78	1458.85	185.70	0.27
Valle	11150	T=50	1830.00	4.70	14.97	9.41	15.15	0.000391	2.36	1210.58	158.98	0.25
Valle	11150	T=100	2260.00	4.70	15.78	9.94	16.01	0.000439	2.66	1341.21	163.46	0.27
Valle	11150	T=200	2710.00	4.70	16.55	10.39	16.83	0.000485	2.94	1468.13	168.17	0.29
Valle	11100	T=50	1830.00	6.13	14.76	10.70	15.11	0.000839	3.28	939.26	152.34	0.37
Valle	11100	T=100	2260.00	6.13	15.55	11.25	15.96	0.000901	3.61	1060.50	156.35	0.39
Valle	11100	T=200	2710.00	6.13	16.28	11.66	16.77	0.000973	3.96	1177.00	162.94	0.41
Valle	11050.46	T=50	1830.00	5.59	14.34	10.81	15.02	0.001512	4.42	754.14	165.14	0.49
Valle	11050.46	T=100	2260.00	5.59	15.14	11.50	15.88	0.001515	4.70	886.95	169.25	0.50
Valle	11050.46	T=200	2710.00	5.59	15.89	12.16	16.69	0.001514	4.96	1015.82	172.04	0.51
Valle	11025.23	T=50	1830.00	5.61	14.35	10.70	14.97	0.001338	4.02	749.81	165.17	0.46

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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 #	Chi
Valle	11025.23	T=100	2260.00	5.61	15.14	11.33	15.82	0.001348	4.30	882.54	170.32		0.47
Valle	11025.23	T=200	2710.00	5.61	15.89	12.03	16.64	0.001350	4.55	1011.82	173.30		0.48
Valle	11000	T=50	1830.00	4.78	14.34	11.03	14.93	0.001202	3.76	750.00	168.16		0.43
Valle	11000	T=100	2260.00	4.78	15.14	11.62	15.78	0.001210	4.03	885.44	172.73		0.44
Valle	11000	T=200	2710.00	4.78	15.89	12.24	16.59	0.001213	4.27	1016.38	175.00		0.45
Valle	10961.54	T=50	1830.00	4.68	14.46	10.21	14.83	0.000598	2.88	870.61	174.91		0.32
Valle	10961.54	T=100	2260.00	4.68	15.24	10.78	15.69	0.000640	3.16	1011.06	181.83		0.33
Valle	10961.54	T=200	2710.00	4.68	15.99	11.25	16.50	0.000671	3.41	1148.70	185.11		0.34
Valle	10925.17	T=50	1830.00	7.49	14.38	11.57	14.80	0.001076	3.32	865.14	189.31		0.41
Valle	10925.17	T=100	2260.00	7.49	15.18	12.04	15.65	0.001060	3.56	1023.42	204.11		0.41
Valle	10925.17	T=200	2710.00	7.49	15.95	12.50	16.47	0.001038	3.75	1184.02	214.33		0.42
Valle	10920		Bridge										
Valle	10916.08	T=50	1830.00	7.44	14.35	11.69	14.77	0.001016	3.23	842.63	182.43		0.40
Valle	10916.08	T=100	2260.00	7.44	15.13	12.10	15.61	0.001026	3.49	990.87	197.30		0.41
Valle	10916.08	T=200	2710.00	7.44	15.89	12.57	16.42	0.001022	3.72	1145.11	210.65		0.41
Valle	10886.42	T=50	1830.00	4.63	14.26	10.72	14.73	0.000839	3.22	762.51	160.56		0.37
Valle	10886.42	T=100	2260.00	4.63	15.03	11.52	15.58	0.000882	3.51	887.72	164.55		0.38
Valle	10886.42	T=200	2710.00	4.63	15.76	11.95	16.38	0.000921	3.79	1009.86	170.11		0.40
Valle	10850	T=50	1830.00	5.84	13.80	12.07	14.65	0.001999	4.58	619.06	146.43		0.56
Valle	10850	T=100	2260.00	5.84	14.54	13.01	15.49	0.002010	4.92	730.22	153.11		0.57
Valle	10850	T=200	2710.00	5.84	15.25	13.48	16.29	0.002006	5.21	842.04	158.66		0.57
Valle	10800	T=50	1830.00	5.36	13.71	12.09	14.55	0.001804	4.51	658.24	187.10		0.53
Valle	10800	T=100	2260.00	5.36	14.49	13.01	15.38	0.001762	4.77	807.86	206.16		0.53
Valle	10800	T=200	2710.00	5.36	15.23	13.58	16.17	0.001734	5.01	962.98	212.24		0.54
Valle	10750	T=50	1830.00	4.51	13.88	10.10	14.39	0.000826	3.34	749.92	161.55		0.37
Valle	10750	T=100	2260.00	4.51	14.62	10.76	15.23	0.000898	3.69	874.20	173.19		0.39
Valle	10750	T=200	2710.00	4.51	15.34	11.52	16.03	0.000948	3.98	1015.56	212.76		0.40
Valle	10700	T=50	1830.00	4.51	14.00	8.91	14.30	0.000428	2.53	956.12	174.04		0.27
Valle	10700	T=100	2260.00	4.51	14.77	9.52	15.12	0.000476	2.82	1095.38	193.96		0.29
Valle	10700	T=200	2710.00	4.51	15.50	10.06	15.91	0.000514	3.07	1240.93	204.38		0.30
Valle	10650	T=50	1830.00	4.22	14.09	8.03	14.24	0.000209	1.80	1251.02	215.66		0.19
Valle	10650	T=100	2260.00	4.22	14.87	8.53	15.06	0.000235	2.02	1422.28	222.29		0.20
Valle	10650	T=200	2710.00	4.22	15.61	9.03	15.84	0.000259	2.22	1590.66	232.96		0.22
Valle	10600	T=50	1830.00	4.39	14.10	7.56	14.22	0.000155	1.58	1383.93	226.21		0.16
Valle	10600	T=100	2260.00	4.39	14.89	8.00	15.04	0.000176	1.77	1567.73	239.39		0.18
Valle	10600	T=200	2710.00	4.39	15.63	8.42	15.81	0.000195	1.96	1752.77	255.26		0.19
Valle	10550	T=50	1830.00	4.17	14.09	8.18	14.21	0.000184	1.63	1381.73	234.72		0.18
Valle	10550	T=100	2260.00	4.17	14.88	8.60	15.03	0.000205	1.81	1569.94	243.80		0.19
Valle	10550	T=200	2710.00	4.17	15.62	9.03	15.80	0.000222	1.99	1754.83	250.54		0.20
Valle	10506.82	T=50	1830.00	4.42	14.03	8.59	14.20	0.000261	1.90	1236.03	259.64		0.21
Valle	10506.82	T=100	2260.00	4.42	14.81	9.05	15.01	0.000282	2.09	1445.70	276.72		0.22
Valle	10506.82	T=200	2710.00	4.42	15.56	9.52	15.79	0.000297	2.26	1656.78	288.62		0.23
Valle	10473.72	T=50	1830.00	4.36	13.91	9.33	14.18	0.000461	2.44	994.82	222.20		0.27
Valle	10473.72	T=100	2260.00	4.36	14.67	9.90	14.99	0.000492	2.68	1165.78	225.64		0.29
Valle	10473.72	T=200	2710.00	4.36	15.40	10.49	15.76	0.000517	2.89	1332.07	229.26		0.30
Valle	10440.09	T=50	1830.00	4.71	13.36	10.95	14.10	0.001518	3.91	558.47	166.76		0.48
Valle	10440.09	T=100	2260.00	4.71	14.03	11.59	14.90	0.001604	4.29	675.24	178.44		0.50
Valle	10440.09	T=200	2710.00	4.71	14.70	12.20	15.67	0.001629	4.58	797.15	183.84		0.51
Valle	10400	T=50	1830.00	4.49	12.97	10.96	14.00	0.002083	4.60	457.48	112.32		0.57
Valle	10400	T=100	2260.00	4.49	13.45	11.73	14.78	0.002457	5.23	514.83	123.23		0.62
Valle	10400	T=200	2710.00	4.49	13.88	12.39	15.52	0.002841	5.85	569.62	129.71		0.67
Valle	10350	T=50	1830.00	4.09	13.17	10.18	13.81	0.001200	3.61	586.53	138.46		0.43
Valle	10350	T=100	2260.00	4.09	13.73	10.80	14.53	0.001388	4.08	669.24	155.88		0.47
Valle	10350	T=200	2710.00	4.09	14.25	11.41	15.22	0.001560	4.52	752.57	164.21		0.50
Valle	10300	T=50	1830.00	5.82	13.13	10.79	13.73	0.001349	3.67	699.23	194.59		0.46
Valle	10300	T=100	2260.00	5.82	13.73	11.38	14.43	0.001433	4.01	817.50	196.67		0.48
Valle	10300	T=200	2710.00	5.82	14.30	11.82	15.09	0.001507	4.32	928.91	197.73		0.50
Valle	10250	T=50	1830.00	5.96	13.11	10.70	13.65	0.001340	3.56	767.54	203.01		0.45
Valle	10250	T=100	2260.00	5.96	13.72	11.20	14.33	0.001388	3.86	893.29	205.20		0.47
Valle	10250	T=200	2710.00	5.96	14.30	11.96	14.98	0.001439	4.14	1011.74	207.25		0.48
Valle	10200	T=50	1830.00	5.60	13.02	10.52	13.58	0.001341	3.63	761.27	196.81		0.45
Valle	10200	T=100	2260.00	5.60	13.62	11.10	14.26	0.001416	3.95	880.39	199.83		0.47

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	10200	T=200	2710.00	5.60	14.18	11.52	14.91	0.001488	4.26	993.11	202.59	0.49
Valle	10150	T=50	1830.00	4.62	12.97	10.30	13.51	0.001265	3.51	744.15	189.42	0.44
Valle	10150	T=100	2260.00	4.62	13.56	11.01	14.19	0.001348	3.84	856.94	191.25	0.46
Valle	10150	T=200	2710.00	4.62	14.11	11.15	14.83	0.001432	4.16	962.99	194.25	0.48
Valle	10100	T=50	1830.00	4.52	13.04	9.69	13.41	0.000786	2.81	814.76	183.54	0.35
Valle	10100	T=100	2260.00	4.52	13.63	10.24	14.08	0.000865	3.12	924.72	185.34	0.37
Valle	10100	T=200	2710.00	4.52	14.19	10.78	14.72	0.000939	3.41	1028.01	186.89	0.39
Valle	10050	T=50	1830.00	4.26	13.07	9.03	13.35	0.000538	2.41	911.72	181.51	0.29
Valle	10050	T=100	2260.00	4.26	13.67	9.56	14.01	0.000605	2.70	1021.65	185.16	0.31
Valle	10050	T=200	2710.00	4.26	14.23	10.09	14.64	0.000669	2.98	1125.93	187.22	0.33
Valle	10000	T=50	1830.00	6.15	12.88	10.59	13.30	0.001138	2.96	758.11	193.06	0.40
Valle	10000	T=100	2260.00	6.15	13.47	11.17	13.96	0.001187	3.24	873.37	197.12	0.42
Valle	10000	T=200	2710.00	6.15	14.02	11.62	14.58	0.001240	3.51	983.05	202.72	0.44
Valle	9991.231	T=50	1830.00	7.12	12.81	11.02	13.28	0.001454	3.19	718.74	196.62	0.45
Valle	9991.231	T=100	2260.00	7.12	13.40	11.48	13.94	0.001466	3.45	836.58	200.28	0.46
Valle	9991.231	T=200	2710.00	7.12	13.95	11.93	14.57	0.001488	3.70	948.04	202.79	0.47
Valle	9990		Bridge									
Valle	9984.021	T=50	1830.00	7.15	12.61	10.87	13.10	0.001518	3.24	711.50	196.21	0.46
Valle	9984.021	T=100	2260.00	7.15	13.20	11.32	13.75	0.001537	3.51	827.45	200.52	0.47
Valle	9984.021	T=200	2710.00	7.15	13.74	11.76	14.37	0.001561	3.76	937.46	203.19	0.49
Valle	9950	T=50	1830.00	3.82	12.70	9.43	13.01	0.000681	2.58	907.26	199.09	0.32
Valle	9950	T=100	2260.00	3.82	13.29	10.05	13.66	0.000752	2.87	1025.41	203.69	0.34
Valle	9950	T=200	2710.00	3.82	13.84	10.62	14.28	0.000820	3.15	1138.13	208.29	0.36
Valle	9900	T=50	1830.00	5.41	12.60	10.12	12.96	0.000930	2.89	843.44	193.69	0.37
Valle	9900	T=100	2260.00	5.41	13.17	10.60	13.61	0.001018	3.20	955.96	199.33	0.40
Valle	9900	T=200	2710.00	5.41	13.70	11.06	14.22	0.001097	3.50	1063.46	203.98	0.42
Valle	9850	T=50	1830.00	5.26	12.47	10.26	12.91	0.001143	3.21	792.50	181.49	0.41
Valle	9850	T=100	2260.00	5.26	13.01	10.74	13.55	0.001275	3.58	893.03	190.76	0.44
Valle	9850	T=200	2710.00	5.26	13.51	11.21	14.15	0.001390	3.93	990.65	196.43	0.47
Valle	9824.286	T=50	1830.00	5.56	12.32	10.64	12.86	0.001746	3.74	738.47	181.67	0.50
Valle	9824.286	T=100	2260.00	5.56	12.83	11.06	13.49	0.001940	4.18	834.06	192.82	0.54
Valle	9824.286	T=200	2710.00	5.56	13.31	11.48	14.09	0.002081	4.55	929.29	198.46	0.56
Valle	9800	T=50	1830.00	5.09	12.19	9.49	12.80	0.002304	4.26	724.04	183.00	0.57
Valle	9800	T=100	2260.00	5.09	12.70	11.17	13.43	0.002502	4.70	819.15	188.66	0.61
Valle	9800	T=200	2710.00	5.09	13.17	11.52	14.03	0.002707	5.14	908.70	194.82	0.64
Valle	9785.987	T=50	1830.00	4.74	11.96	10.98	12.74	0.003032	4.95	669.99	183.69	0.66
Valle	9785.987	T=100	2260.00	4.74	12.44	11.47	13.37	0.003310	5.46	759.38	189.92	0.70
Valle	9785.987	T=200	2710.00	4.74	12.89	11.81	13.96	0.003536	5.91	846.18	194.11	0.73
Valle	9776.982	T=50	1830.00	4.52	11.93	10.89	12.72	0.003115	4.95	674.32	189.47	0.66
Valle	9776.982	T=100	2260.00	4.52	12.43	11.37	13.33	0.003302	5.39	769.09	192.90	0.69
Valle	9776.982	T=200	2710.00	4.52	12.88	11.82	13.91	0.003503	5.83	858.26	196.43	0.72
Valle	9775		Bridge									
Valle	9770.507	T=50	1830.00	4.84	11.76	10.69	12.52	0.003176	4.93	675.21	187.71	0.67
Valle	9770.507	T=100	2260.00	4.84	12.24	11.18	13.13	0.003405	5.40	766.38	191.98	0.71
Valle	9770.507	T=200	2710.00	4.84	12.68	11.47	13.71	0.003630	5.85	852.75	195.70	0.74
Valle	9765.228	T=50	1830.00	5.11	11.75	10.53	12.50	0.003135	4.91	676.25	187.58	0.67
Valle	9765.228	T=100	2260.00	5.11	12.23	11.22	13.11	0.003350	5.37	767.49	190.96	0.70
Valle	9765.228	T=200	2710.00	5.11	12.66	11.71	13.69	0.003633	5.85	851.24	196.20	0.74
Valle	9750	T=50	1830.00	4.98	11.59	9.52	12.44	0.003452	5.14	655.55	195.74	0.70
Valle	9750	T=100	2260.00	4.98	12.03	11.19	13.04	0.003797	5.67	742.81	202.68	0.74
Valle	9750	T=200	2710.00	4.98	12.45	11.75	13.62	0.004080	6.16	829.90	209.79	0.78
Valle	9700	T=50	1830.00	4.92	11.68	9.55	12.24	0.001492	3.59	749.88	224.29	0.47
Valle	9700	T=100	2260.00	4.92	12.14	9.99	12.82	0.001672	4.00	854.79	233.33	0.51
Valle	9700	T=200	2710.00	4.92	12.58	10.46	13.37	0.001827	4.37	960.40	243.63	0.53
Valle	9650	T=50	1830.00	4.21	11.66	8.98	12.16	0.001139	3.55	854.42	230.92	0.42
Valle	9650	T=100	2260.00	4.21	12.10	9.42	12.73	0.001330	4.00	959.63	239.74	0.46
Valle	9650	T=200	2710.00	4.21	12.54	10.24	13.27	0.001495	4.40	1065.14	247.16	0.50
Valle	9600	T=50	1830.00	4.20	11.93	9.14	12.01	0.000315	1.80	2116.69	528.49	0.22
Valle	9600	T=100	2260.00	4.20	12.44	9.14	12.54	0.000348	1.99	2395.03	551.47	0.24
Valle	9600	T=200	2710.00	4.20	12.94	9.48	13.05	0.000377	2.17	2675.37	579.01	0.25
Valle	9573.793	T=50	1830.00	4.40	11.93	8.65	11.99	0.000291	1.67	2311.64	549.65	0.21



HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	9573.793	T=100	2260.00	4.40	12.45	8.65	12.52	0.000317	1.83	2598.59	563.80	0.22
Valle	9573.793	T=200	2710.00	4.40	12.95	8.65	13.04	0.000341	1.99	2885.32	581.29	0.23
Valle	9550	T=50	1830.00	4.24	11.92	8.83	11.99	0.000282	1.70	2391.37	605.91	0.21
Valle	9550	T=100	2260.00	4.24	12.44	8.83	12.52	0.000299	1.85	2708.05	611.90	0.22
Valle	9550	T=200	2710.00	4.24	12.94	8.89	13.03	0.000313	1.97	3016.57	616.97	0.23
Valle	9528.974	T=50	1830.00	4.47	11.93	8.93	11.98	0.000209	1.50	2676.71	599.57	0.18
Valle	9528.974	T=100	2260.00	4.47	12.45	9.05	12.50	0.000229	1.65	2989.42	605.41	0.19
Valle	9528.974	T=200	2710.00	4.47	12.95	9.05	13.02	0.000246	1.79	3294.48	611.32	0.20
Valle	9500	T=50	1830.00	4.28	11.93	9.28	11.97	0.000185	1.42	2771.34	580.47	0.17
Valle	9500	T=100	2260.00	4.28	12.45	9.28	12.50	0.000206	1.57	3073.52	585.72	0.18
Valle	9500	T=200	2710.00	4.28	12.95	9.28	13.01	0.000224	1.71	3375.77	613.19	0.19
Valle	9450	T=50	1830.00	4.33	11.91	9.59	11.96	0.000218	1.48	2510.17	556.01	0.18
Valle	9450	T=100	2260.00	4.33	12.43	9.95	12.49	0.000248	1.66	2811.01	605.80	0.20
Valle	9450	T=200	2710.00	4.33	12.93	9.95	12.99	0.000268	1.80	3118.70	624.83	0.21
Valle	9400	T=50	1830.00	4.18	11.91	8.80	11.95	0.000183	1.40	2875.94	592.69	0.17
Valle	9400	T=100	2260.00	4.18	12.43	9.39	12.47	0.000204	1.55	3183.12	596.99	0.18
Valle	9400	T=200	2710.00	4.18	12.93	10.01	12.98	0.000222	1.69	3482.79	601.64	0.19
Valle	9351.608	T=50	1830.00	4.20	11.88	8.46	11.93	0.000273	1.71	2469.76	561.20	0.21
Valle	9351.608	T=100	2260.00	4.20	12.39	9.23	12.46	0.000298	1.88	2760.67	570.78	0.22
Valle	9351.608	T=200	2710.00	4.20	12.89	9.79	12.96	0.000318	2.02	3045.17	575.45	0.23
Valle	9325.912	T=50	1830.00	4.17	11.84	8.69	11.92	0.000372	1.97	2201.60	575.10	0.24
Valle	9325.912	T=100	2260.00	4.17	12.35	8.96	12.44	0.000389	2.12	2496.74	576.35	0.25
Valle	9325.912	T=200	2710.00	4.17	12.85	10.04	12.95	0.000404	2.25	2783.47	578.64	0.26
Valle	9300	T=50	1830.00	4.02	11.80	8.72	11.91	0.000416	2.11	2016.19	542.11	0.25
Valle	9300	T=100	2260.00	4.02	12.31	8.88	12.43	0.000442	2.28	2296.13	554.25	0.27
Valle	9300	T=200	2710.00	4.02	12.81	10.17	12.94	0.000461	2.43	2571.21	562.70	0.27
Valle	9250	T=50	1830.00	4.25	11.73	10.02	11.88	0.000566	2.37	1781.94	565.83	0.30
Valle	9250	T=100	2260.00	4.25	12.24	10.26	12.40	0.000573	2.51	2073.19	573.06	0.30
Valle	9250	T=200	2710.00	4.25	12.74	10.58	12.91	0.000576	2.63	2364.05	608.00	0.31
Valle	9200	T=50	1830.00	5.00	11.71	9.96	11.85	0.000561	2.22	1926.54	713.40	0.29
Valle	9200	T=100	2260.00	5.00	12.23	10.33	12.37	0.000533	2.28	2298.20	717.75	0.29
Valle	9200	T=200	2710.00	5.00	12.73	10.63	12.87	0.000510	2.35	2659.73	720.86	0.28
Valle	9150	T=50	1830.00	4.61	11.61	9.58	11.81	0.000651	2.41	1529.57	551.99	0.31
Valle	9150	T=100	2260.00	4.61	12.12	10.24	12.33	0.000651	2.55	1811.51	555.50	0.32
Valle	9150	T=200	2710.00	4.61	12.61	10.38	12.83	0.000648	2.67	2087.56	563.21	0.32
Valle	9100	T=50	1830.00	4.05	11.63	8.67	11.76	0.000435	1.96	1714.96	536.30	0.25
Valle	9100	T=100	2260.00	4.05	12.13	9.53	12.28	0.000453	2.11	1985.69	539.09	0.26
Valle	9100	T=200	2710.00	4.05	12.62	9.84	12.79	0.000467	2.25	2250.60	544.48	0.27
Valle	9050	T=50	1830.00	4.14	11.66	8.17	11.73	0.000241	1.51	2473.62	779.97	0.19
Valle	9050	T=100	2260.00	4.14	12.16	8.42	12.24	0.000252	1.63	2873.48	793.06	0.20
Valle	9050	T=200	2710.00	4.14	12.66	9.15	12.74	0.000256	1.72	3266.89	795.00	0.20
Valle	9000	T=50	1830.00	4.10	11.49	8.06	11.70	0.000500	2.18	1240.03	364.19	0.28
Valle	9000	T=100	2260.00	4.10	11.96	8.48	12.21	0.000564	2.42	1411.29	367.10	0.30
Valle	9000	T=200	2710.00	4.10	12.42	8.91	12.70	0.000616	2.64	1579.46	369.18	0.31
Valle	8950	T=50	1830.00	4.29	11.29	8.79	11.65	0.000991	2.87	979.84	341.80	0.38
Valle	8950	T=100	2260.00	4.29	11.74	9.35	12.15	0.001083	3.15	1133.65	345.21	0.40
Valle	8950	T=200	2710.00	4.29	12.18	9.94	12.65	0.001150	3.40	1287.24	351.75	0.42
Valle	8924.657	T=50	1830.00	3.83	11.05	9.29	11.60	0.001631	3.56	828.70	344.59	0.48
Valle	8924.657	T=100	2260.00	3.83	11.49	10.00	12.10	0.001739	3.87	979.53	350.06	0.50
Valle	8924.657	T=200	2710.00	3.83	11.93	10.85	12.59	0.001789	4.11	1135.42	356.89	0.52
Valle	8899.07	T=50	1830.00	4.08	10.95	8.97	11.55	0.001516	3.70	809.34	341.55	0.47
Valle	8899.07	T=100	2260.00	4.08	11.35	9.97	12.05	0.001695	4.08	947.08	345.95	0.51
Valle	8899.07	T=200	2710.00	4.08	11.77	10.86	12.53	0.001793	4.37	1092.92	349.96	0.53
Valle	8871.313	T=50	1830.00	3.88	10.61	9.36	11.47	0.002187	4.36	675.89	367.04	0.57
Valle	8871.313	T=100	2260.00	3.88	10.78	9.85	11.94	0.002883	5.10	740.85	374.75	0.66
Valle	8871.313	T=200	2710.00	3.88	11.06	11.03	12.41	0.003285	5.61	847.04	380.12	0.71
Valle	8850	T=50	1830.00	4.07	10.35	10.30	11.40	0.003582	4.76	593.58	396.43	0.70
Valle	8850	T=100	2260.00	4.07	10.72	10.72	11.86	0.003788	5.14	738.08	409.79	0.73
Valle	8850	T=200	2710.00	4.07	11.10	11.10	12.28	0.003762	5.38	897.60	419.72	0.73
Valle	8822.778	T=50	1830.00	4.17	10.33	10.33	11.25	0.004387	4.62	649.34	423.04	0.75
Valle	8822.778	T=100	2260.00	4.17	10.38	10.66	11.71	0.006311	5.59	669.23	423.92	0.90
Valle	8822.778	T=200	2710.00	4.17	10.60	10.96	12.11	0.006878	6.06	766.37	427.22	0.95

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	8800	T=50	1830.00	4.09	10.33	9.62	11.06	0.002752	4.08	736.31	448.72	0.61
Valle	8800	T=100	2260.00	4.09	10.65	10.37	11.48	0.003005	4.46	881.59	461.21	0.65
Valle	8800	T=200	2710.00	4.09	11.02	10.67	11.88	0.003001	4.68	1053.77	472.89	0.65
Valle	8750	T=50	1830.00	3.67	10.43	8.38	10.90	0.001067	3.32	926.50	534.27	0.44
Valle	8750	T=100	2260.00	3.67	10.78	9.06	11.29	0.001152	3.59	1116.14	545.39	0.46
Valle	8750	T=200	2710.00	3.67	11.17	10.44	11.69	0.001159	3.74	1328.29	553.83	0.46
Valle	8728.489	T=50	1830.00	4.10	10.42	8.68	10.87	0.001121	3.33	960.73	511.08	0.45
Valle	8728.489	T=100	2260.00	4.10	10.78	10.08	11.26	0.001201	3.58	1142.44	519.70	0.47
Valle	8728.489	T=200	2710.00	4.10	11.16	10.41	11.66	0.001217	3.76	1345.47	542.40	0.47
Valle	8698.187	T=50	1830.00	4.03	10.35	9.08	10.83	0.001319	3.46	909.94	484.90	0.47
Valle	8698.187	T=100	2260.00	4.03	10.71	10.12	11.22	0.001390	3.70	1082.27	489.95	0.49
Valle	8698.187	T=200	2710.00	4.03	11.10	10.43	11.62	0.001374	3.85	1275.26	499.76	0.49
Valle	8673.26	T=50	1830.00	3.88	10.39	9.56	10.77	0.001145	3.21	1014.77	484.56	0.44
Valle	8673.26	T=100	2260.00	3.88	10.74	9.99	11.16	0.001209	3.45	1187.04	489.70	0.46
Valle	8673.26	T=200	2710.00	3.88	11.13	10.27	11.56	0.001206	3.60	1383.34	540.62	0.47
Valle	8650	T=50	1830.00	4.01	10.32	9.76	10.74	0.001689	3.48	956.98	514.59	0.52
Valle	8650	T=100	2260.00	4.01	10.71	10.12	11.13	0.001607	3.59	1164.61	537.88	0.52
Valle	8650	T=200	2710.00	4.01	11.12	10.36	11.52	0.001498	3.65	1389.66	584.42	0.51
Valle	8627.388	T=50	1830.00	3.94	10.40	8.88	10.66	0.000787	2.80	1230.25	558.54	0.37
Valle	8627.388	T=100	2260.00	3.94	10.78	9.65	11.06	0.000826	2.99	1445.21	589.96	0.38
Valle	8627.388	T=200	2710.00	3.94	11.17	9.91	11.46	0.000832	3.13	1682.11	618.25	0.39
Valle	8600	T=50	1830.00	3.99	10.36	9.64	10.64	0.001135	3.01	1182.83	568.22	0.43
Valle	8600	T=100	2260.00	3.99	10.75	9.89	11.03	0.001108	3.13	1407.10	584.10	0.43
Valle	8600	T=200	2710.00	3.99	11.15	10.10	11.43	0.001053	3.20	1642.71	596.24	0.43
Valle	8550	T=50	1830.00	3.96	10.29	9.49	10.58	0.001267	3.07	1144.20	573.20	0.45
Valle	8550	T=100	2260.00	3.96	10.69	9.88	10.97	0.001198	3.15	1376.12	584.79	0.45
Valle	8550	T=200	2710.00	3.96	11.09	10.10	11.38	0.001118	3.21	1617.18	599.68	0.44
Valle	8527.159	T=50	1830.00	4.02	10.06	9.61	10.53	0.001751	3.83	1008.55	605.55	0.60
Valle	8527.159	T=100	2260.00	4.02	10.53	10.04	10.93	0.001456	3.75	1299.85	636.40	0.56
Valle	8527.159	T=200	2710.00	4.02	10.99	10.24	11.34	0.001202	3.63	1597.48	641.24	0.51
Valle	8500	T=50	1830.00	3.79	10.08	9.68	10.46	0.001522	3.63	1126.05	641.04	0.56
Valle	8500	T=100	2260.00	3.79	10.55	9.94	10.87	0.001237	3.51	1430.81	649.74	0.52
Valle	8500	T=200	2710.00	3.79	11.01	10.16	11.29	0.001048	3.44	1729.38	655.55	0.48
Valle	8450	T=50	1830.00	3.94	10.08	9.43	10.37	0.000927	3.24	1315.44	649.45	0.45
Valle	8450	T=100	2260.00	3.94	10.54	9.69	10.80	0.000826	3.23	1615.06	657.00	0.43
Valle	8450	T=200	2710.00	3.94	10.99	9.93	11.24	0.000751	3.25	1916.89	680.69	0.42
Valle	8425.37	T=50	1830.00	3.76	10.08	9.56	10.34	0.000893	3.16	1484.99	827.60	0.44
Valle	8425.37	T=100	2260.00	3.76	10.55	9.77	10.77	0.000749	3.07	1882.29	854.07	0.41
Valle	8425.37	T=200	2710.00	3.76	11.01	9.96	11.20	0.000646	3.00	2278.23	869.28	0.39
Valle	8400	T=50	1830.00	3.71	9.99	9.60	10.31	0.000953	3.36	1428.74	869.62	0.46
Valle	8400	T=100	2260.00	3.71	10.50	9.81	10.75	0.000749	3.16	1880.33	890.91	0.42
Valle	8400	T=200	2710.00	3.71	10.98	10.01	11.19	0.000634	3.06	2308.15	914.61	0.39
Valle	8373.02	T=50	1830.00	3.70	9.96	9.64	10.28	0.001019	3.38	1443.71	933.05	0.47
Valle	8373.02	T=100	2260.00	3.70	10.49	9.85	10.72	0.000754	3.10	1948.71	961.64	0.41
Valle	8373.02	T=200	2710.00	3.70	10.97	10.02	11.16	0.000616	2.96	2417.03	977.34	0.38
Valle	8345.487	T=50	1830.00	4.05	9.98	9.48	10.24	0.000805	2.98	1562.54	915.18	0.42
Valle	8345.487	T=100	2260.00	4.05	10.50	9.69	10.69	0.000631	2.81	2033.22	922.35	0.38
Valle	8345.487	T=200	2710.00	4.05	10.97	9.87	11.14	0.000534	2.73	2472.54	928.52	0.35
Valle	8300	T=50	1830.00	3.87	9.91	9.41	10.19	0.000973	3.01	1356.66	785.94	0.45
Valle	8300	T=100	2260.00	3.87	10.43	9.62	10.66	0.000758	2.86	1772.74	821.61	0.41
Valle	8300	T=200	2710.00	3.87	10.91	9.81	11.11	0.000639	2.79	2172.37	843.28	0.38
Valle	8250	T=50	1830.00	3.88	9.89	9.06	10.14	0.000711	2.77	1445.39	755.11	0.39
Valle	8250	T=100	2260.00	3.88	10.41	9.34	10.62	0.000599	2.71	1834.21	760.93	0.37
Valle	8250	T=200	2710.00	3.88	10.88	9.56	11.08	0.000533	2.70	2198.52	766.60	0.35
Valle	8200	T=50	1830.00	3.86	9.89	9.09	10.10	0.000725	2.64	1505.47	765.52	0.39
Valle	8200	T=100	2260.00	3.86	10.40	9.34	10.58	0.000603	2.59	1901.06	774.14	0.36
Valle	8200	T=200	2710.00	3.86	10.88	9.54	11.05	0.000531	2.57	2272.23	779.88	0.34
Valle	8175.989	T=50	1830.00	3.86	9.87	9.03	10.08	0.000761	2.65	1428.86	659.98	0.40
Valle	8175.989	T=100	2260.00	3.86	10.38	9.25	10.57	0.000650	2.63	1765.70	665.02	0.37
Valle	8175.989	T=200	2710.00	3.86	10.85	9.45	11.03	0.000586	2.65	2080.43	669.43	0.36
Valle	8150	T=50	1830.00	3.82	9.86	8.97	10.06	0.000789	2.61	1432.03	656.40	0.40
Valle	8150	T=100	2260.00	3.82	10.37	9.19	10.55	0.000667	2.59	1768.44	660.16	0.38
Valle	8150	T=200	2710.00	3.82	10.84	9.41	11.02	0.000600	2.61	2081.26	664.63	0.36

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	8100	T=50	1830.00	3.91	9.75	8.93	10.01	0.000908	2.90	1298.89	622.60	0.44
Valle	8100	T=100	2260.00	3.91	10.28	9.25	10.51	0.000752	2.84	1631.85	627.47	0.40
Valle	8100	T=200	2710.00	3.91	10.77	9.46	10.98	0.000669	2.85	1936.06	631.76	0.39
Valle	8050	T=50	1830.00	3.89	9.72	8.57	9.97	0.000646	2.70	1361.11	615.72	0.38
Valle	8050	T=100	2260.00	3.89	10.25	8.99	10.48	0.000578	2.72	1687.75	626.45	0.36
Valle	8050	T=200	2710.00	3.89	10.73	9.27	10.95	0.000535	2.76	1990.16	630.96	0.36
Valle	8000	T=50	1830.00	4.80	9.79	7.95	9.90	0.000460	1.89	1650.94	683.63	0.31
Valle	8000	T=100	2260.00	4.80	10.31	8.28	10.42	0.000405	1.93	2010.15	697.86	0.29
Valle	8000	T=200	2710.00	4.80	10.78	8.47	10.90	0.000375	1.98	2343.81	707.60	0.29
Valle	7950	T=50	1830.00	4.78	9.77	7.94	9.88	0.000386	1.77	1672.17	618.61	0.28
Valle	7950	T=100	2260.00	4.78	10.29	8.24	10.40	0.000353	1.83	1994.44	625.31	0.27
Valle	7950	T=200	2710.00	4.78	10.76	8.47	10.88	0.000338	1.92	2296.10	659.59	0.27
Valle	7919.864	T=50	1830.00	4.42	9.78	7.59	9.86	0.000328	1.62	1807.28	628.63	0.26
Valle	7919.864	T=100	2260.00	4.42	10.29	7.86	10.39	0.000306	1.70	2139.86	651.99	0.26
Valle	7919.864	T=200	2710.00	4.42	10.77	7.96	10.87	0.000296	1.79	2451.82	666.46	0.26
Valle	7900	T=50	1830.00	4.56	9.77	7.21	9.86	0.000279	1.52	1850.03	650.04	0.24
Valle	7900	T=100	2260.00	4.56	10.29	7.53	10.38	0.000263	1.60	2189.68	663.57	0.24
Valle	7900	T=200	2710.00	4.56	10.77	7.83	10.86	0.000257	1.69	2508.27	685.11	0.24
Valle	7850	T=50	1830.00	4.20	9.72	7.72	9.84	0.000387	1.78	1683.32	700.03	0.28
Valle	7850	T=100	2260.00	4.20	10.25	8.01	10.36	0.000347	1.83	2055.34	715.71	0.27
Valle	7850	T=200	2710.00	4.20	10.73	8.35	10.85	0.000326	1.89	2401.02	729.37	0.27
Valle	7800	T=50	1830.00	4.18	9.70	7.47	9.82	0.000355	1.80	1689.84	677.47	0.27
Valle	7800	T=100	2260.00	4.18	10.22	7.81	10.35	0.000326	1.86	2052.50	696.80	0.27
Valle	7800	T=200	2710.00	4.18	10.70	8.23	10.83	0.000310	1.93	2387.84	702.32	0.27
Valle	7750	T=50	1830.00	3.70	9.54	8.15	9.78	0.000819	2.67	1281.34	571.08	0.41
Valle	7750	T=100	2260.00	3.70	10.09	8.41	10.31	0.000711	2.70	1598.03	604.56	0.39
Valle	7750	T=200	2710.00	3.70	10.58	8.64	10.80	0.000647	2.74	1901.08	631.22	0.38
Valle	7700	T=50	1830.00	3.10	9.44	8.30	9.74	0.000769	2.87	1108.59	410.69	0.41
Valle	7700	T=100	2260.00	3.10	9.96	8.62	10.27	0.000732	3.00	1325.10	416.17	0.41
Valle	7700	T=200	2710.00	3.10	10.43	8.89	10.76	0.000722	3.14	1521.02	420.46	0.41
Valle	7650	T=50	1830.00	3.09	9.22	8.39	9.67	0.001059	3.49	957.84	402.58	0.48
Valle	7650	T=100	2260.00	3.09	9.77	8.76	10.21	0.000974	3.58	1181.17	410.40	0.47
Valle	7650	T=200	2710.00	3.09	10.25	9.10	10.70	0.000946	3.71	1378.61	417.80	0.47
Valle	7600	T=50	1830.00	2.96	9.20	8.38	9.61	0.001112	3.43	989.54	392.22	0.49
Valle	7600	T=100	2260.00	2.96	9.75	8.68	10.15	0.001009	3.51	1207.70	397.13	0.47
Valle	7600	T=200	2710.00	2.96	10.23	8.99	10.64	0.000977	3.64	1398.01	402.21	0.47
Valle	7550	T=50	1970.00	3.13	9.16	8.19	9.55	0.000986	3.28	1059.29	395.59	0.46
Valle	7550	T=100	2420.00	3.13	9.71	8.51	10.10	0.000914	3.38	1278.93	410.94	0.45
Valle	7550	T=200	2890.00	3.13	10.17	8.81	10.59	0.000905	3.55	1481.25	456.15	0.46
Valle	7524.63	T=50	1970.00	2.80	9.16	8.14	9.51	0.000811	3.10	1193.89	490.97	0.42
Valle	7524.63	T=100	2420.00	2.80	9.72	8.50	10.06	0.000743	3.17	1472.75	504.72	0.41
Valle	7524.63	T=200	2890.00	2.80	10.20	8.79	10.55	0.000717	3.28	1718.00	514.25	0.41
Valle	7499.594	T=50	1970.00	2.89	9.15	7.98	9.49	0.000852	3.05	1159.82	502.25	0.41
Valle	7499.594	T=100	2420.00	2.89	9.71	8.24	10.04	0.000769	3.09	1458.68	552.24	0.40
Valle	7499.594	T=200	2890.00	2.89	10.20	8.74	10.52	0.000736	3.18	1731.74	566.23	0.39
Valle	7471.727	T=50	1970.00	3.22	9.10	7.97	9.46	0.001088	3.15	1019.07	372.15	0.45
Valle	7471.727	T=100	2420.00	3.22	9.65	8.39	10.01	0.001006	3.25	1223.92	376.89	0.44
Valle	7471.727	T=200	2890.00	3.22	10.11	8.67	10.49	0.000991	3.41	1398.73	380.73	0.45
Valle	7450	T=50	1970.00	3.17	8.97	7.92	9.42	0.001247	3.44	900.25	331.16	0.49
Valle	7450	T=100	2420.00	3.17	9.51	8.27	9.98	0.001171	3.57	1080.27	334.52	0.48
Valle	7450	T=200	2890.00	3.17	9.95	8.71	10.46	0.001176	3.76	1230.52	337.86	0.49
Valle	7423.804	T=50	1970.00	3.18	8.88	7.95	9.38	0.001351	3.58	845.26	308.11	0.51
Valle	7423.804	T=100	2420.00	3.18	9.41	8.34	9.94	0.001293	3.75	1011.40	315.78	0.51
Valle	7423.804	T=200	2890.00	3.18	9.84	8.67	10.42	0.001306	3.96	1150.49	318.54	0.52
Valle	7400	T=50	1970.00	3.09	8.88	7.74	9.34	0.001259	3.43	862.75	291.25	0.49
Valle	7400	T=100	2420.00	3.09	9.40	8.20	9.90	0.001224	3.62	1016.60	294.91	0.49
Valle	7400	T=200	2890.00	3.09	9.83	8.52	10.38	0.001258	3.86	1144.32	297.54	0.51
Valle	7369.833	T=50	1970.00	3.17	8.75	7.62	9.29	0.001580	3.66	786.13	280.76	0.54
Valle	7369.833	T=100	2420.00	3.17	9.28	8.18	9.85	0.001498	3.83	935.67	284.52	0.54
Valle	7369.833	T=200	2890.00	3.17	9.71	8.57	10.33	0.001525	4.07	1057.00	286.64	0.55
Valle	7350	T=50	1970.00	3.51	8.73	7.62	9.25	0.001664	3.67	789.28	279.67	0.55
Valle	7350	T=100	2420.00	3.51	9.26	7.94	9.81	0.001556	3.83	939.23	281.65	0.54

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	7350	T=200	2890.00	3.51	9.68	8.41	10.30	0.001579	4.07	1059.16	283.40	0.56
Valle	7319.325	T=50	1970.00	2.88	8.66	7.30	9.20	0.001773	3.73	779.90	278.67	0.57
Valle	7319.325	T=100	2420.00	2.88	9.21	8.17	9.76	0.001629	3.87	932.47	281.74	0.56
Valle	7319.325	T=200	2890.00	2.88	9.63	8.53	10.25	0.001643	4.10	1052.84	283.91	0.57
Valle	7300	T=50	1970.00	3.51	8.42	7.76	9.14	0.002342	4.20	665.40	252.41	0.65
Valle	7300	T=100	2420.00	3.51	8.86	8.18	9.70	0.002445	4.58	782.30	285.02	0.68
Valle	7300	T=200	2890.00	3.51	9.32	8.53	10.19	0.002297	4.73	915.05	286.98	0.67
Valle	7276.548	T=50	1970.00	2.94	8.03	7.65	9.05	0.003014	4.72	533.08	235.09	0.74
Valle	7276.548	T=100	2420.00	2.94	8.43	8.18	9.59	0.003125	5.11	634.51	267.93	0.76
Valle	7276.548	T=200	2890.00	2.94	8.84	8.60	10.08	0.003081	5.37	748.13	278.14	0.77
Valle	7257.118	T=50	1970.00	2.80	8.04	7.58	8.97	0.002677	4.50	559.51	234.62	0.70
Valle	7257.118	T=100	2420.00	2.80	8.44	8.06	9.50	0.002787	4.87	657.51	262.42	0.72
Valle	7257.118	T=200	2890.00	2.80	8.84	8.38	10.00	0.002819	5.18	768.02	279.79	0.73
Valle	7228.348	T=50	1970.00	2.76	8.23	6.56	8.81	0.001265	3.52	693.23	223.64	0.49
Valle	7228.348	T=100	2420.00	2.76	8.64	7.04	9.34	0.001417	3.92	786.04	242.07	0.53
Valle	7228.348	T=200	2890.00	2.76	9.02	7.69	9.84	0.001537	4.27	887.92	282.94	0.56
Valle	7200	T=50	1970.00	2.88	8.29	6.27	8.74	0.000982	3.16	783.19	246.04	0.44
Valle	7200	T=100	2420.00	2.88	8.70	6.85	9.26	0.001096	3.51	891.10	263.27	0.47
Valle	7200	T=200	2890.00	2.88	9.09	7.30	9.76	0.001211	3.86	996.35	282.08	0.50
Valle	7163.919	T=50	1970.00	2.83	8.29	6.08	8.69	0.000854	2.95	835.62	252.69	0.41
Valle	7163.919	T=100	2420.00	2.83	8.71	6.59	9.20	0.000976	3.31	944.94	273.68	0.44
Valle	7163.919	T=200	2890.00	2.83	9.11	7.10	9.69	0.001054	3.60	1057.73	281.90	0.47
Valle	7128.79	T=50	1970.00	2.72	8.30	6.10	8.65	0.000740	2.75	881.64	254.56	0.38
Valle	7128.79	T=100	2420.00	2.72	8.72	6.53	9.15	0.000833	3.07	992.19	269.60	0.41
Valle	7128.79	T=200	2890.00	2.72	9.13	6.97	9.63	0.000915	3.37	1104.54	283.21	0.43
Valle	7092.713	T=50	1970.00	2.70	8.29	5.96	8.62	0.000729	2.73	912.90	269.69	0.38
Valle	7092.713	T=100	2420.00	2.70	8.71	6.34	9.11	0.000823	3.05	1031.48	290.86	0.41
Valle	7092.713	T=200	2890.00	2.70	9.11	6.74	9.59	0.000899	3.34	1152.39	303.93	0.43
Valle	7057.347	T=50	1970.00	2.86	8.24	5.91	8.59	0.000769	2.79	932.59	324.20	0.39
Valle	7057.347	T=100	2420.00	2.86	8.67	6.33	9.08	0.000846	3.08	1080.12	379.70	0.41
Valle	7057.347	T=200	2890.00	2.86	9.08	6.80	9.56	0.000905	3.34	1243.85	401.17	0.43
Valle	7025.087	T=50	1970.00	2.88	8.34	6.27	8.52	0.000474	2.22	1563.50	648.37	0.31
Valle	7025.087	T=100	2420.00	2.88	8.81	6.66	8.99	0.000466	2.32	1869.72	657.88	0.31
Valle	7025.087	T=200	2890.00	2.88	9.26	7.18	9.46	0.000477	2.47	2173.51	741.79	0.32
Valle	6992.726	T=50	1970.00	2.96	8.37	6.01	8.49	0.000361	1.94	1799.93	612.95	0.27
Valle	6992.726	T=100	2420.00	2.96	8.84	6.35	8.96	0.000368	2.07	2089.59	631.10	0.27
Valle	6992.726	T=200	2890.00	2.96	9.28	6.73	9.42	0.000384	2.22	2377.90	652.85	0.28
Valle	6960.463	T=50	1970.00	2.77	8.31	6.08	8.47	0.000412	2.05	1583.48	573.00	0.28
Valle	6960.463	T=100	2420.00	2.77	8.78	6.20	8.95	0.000415	2.18	1852.15	584.54	0.29
Valle	6960.463	T=200	2890.00	2.77	9.23	6.91	9.41	0.000416	2.29	2121.08	607.41	0.29
Valle	6928.272	T=50	1970.00	2.67	8.27	6.06	8.45	0.000478	2.21	1478.06	552.40	0.31
Valle	6928.272	T=100	2420.00	2.67	8.74	6.46	8.93	0.000481	2.35	1736.29	562.02	0.31
Valle	6928.272	T=200	2890.00	2.67	9.19	7.11	9.39	0.000478	2.46	1990.58	568.82	0.32
Valle	6900.452	T=50	1970.00	2.73	8.25	6.27	8.44	0.000511	2.28	1422.06	497.18	0.32
Valle	6900.452	T=100	2420.00	2.73	8.71	6.62	8.91	0.000521	2.44	1652.31	507.96	0.32
Valle	6900.452	T=200	2890.00	2.73	9.15	7.16	9.38	0.000527	2.57	1880.29	521.09	0.33
Valle	6874.823	T=50	1970.00	2.79	8.22	6.24	8.42	0.000575	2.41	1350.94	444.24	0.34
Valle	6874.823	T=100	2420.00	2.79	8.67	6.79	8.90	0.000598	2.59	1554.64	466.79	0.35
Valle	6874.823	T=200	2890.00	2.79	9.11	7.07	9.36	0.000613	2.76	1765.54	497.52	0.36
Valle	6849.097	T=50	1970.00	2.86	8.21	6.29	8.41	0.000560	2.37	1319.53	424.85	0.33
Valle	6849.097	T=100	2420.00	2.86	8.65	6.57	8.88	0.000587	2.56	1511.43	433.99	0.34
Valle	6849.097	T=200	2890.00	2.86	9.09	6.94	9.34	0.000605	2.73	1701.43	443.39	0.35
Valle	6821.913	T=50	1970.00	2.70	8.04	6.44	8.38	0.000882	2.92	986.76	300.75	0.41
Valle	6821.913	T=100	2420.00	2.70	8.45	6.68	8.85	0.000957	3.20	1110.54	302.44	0.44
Valle	6821.913	T=200	2890.00	2.70	8.85	7.21	9.30	0.001019	3.46	1230.97	304.32	0.46
Valle	6785.72	T=50	1970.00	2.76	8.00	6.26	8.35	0.000881	2.89	941.00	273.78	0.41
Valle	6785.72	T=100	2420.00	2.76	8.39	6.77	8.81	0.000997	3.23	1047.74	278.66	0.44
Valle	6785.72	T=200	2890.00	2.76	8.77	7.10	9.26	0.001078	3.52	1154.33	280.16	0.47
Valle	6749.126	T=50	1970.00	2.55	7.93	6.33	8.31	0.001041	3.11	902.98	260.52	0.45
Valle	6749.126	T=100	2420.00	2.55	8.31	6.79	8.77	0.001164	3.45	1001.84	262.13	0.48
Valle	6749.126	T=200	2890.00	2.55	8.67	7.14	9.21	0.001270	3.77	1097.99	263.65	0.51
Valle	6699.274	T=50	1970.00	2.75	7.69	6.57	8.23	0.001672	3.81	766.27	240.39	0.56

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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 # Chi
Valle	6699.274	T=100	2420.00	2.75	8.00	6.94	8.67	0.001966	4.31	840.33	246.05	0.62
Valle	6699.274	T=200	2890.00	2.75	8.30	7.30	9.10	0.002198	4.74	915.41	247.28	0.66
Valle	6649.637	T=50	1970.00	2.69	7.84	5.92	8.08	0.000762	2.19	899.33	242.44	0.36
Valle	6649.637	T=100	2420.00	2.69	8.19	6.23	8.50	0.000857	2.46	984.20	243.55	0.39
Valle	6649.637	T=200	2890.00	2.69	8.53	6.53	8.91	0.000933	2.71	1068.16	244.39	0.41
Valle	6608.988	T=50	1970.00	2.87	7.76	6.09	8.04	0.001001	2.38	826.64	241.89	0.41
Valle	6608.988	T=100	2420.00	2.87	8.09	6.40	8.45	0.001116	2.67	908.01	243.67	0.44
Valle	6608.988	T=200	2890.00	2.87	8.42	6.69	8.86	0.001202	2.92	989.13	245.06	0.46
Valle	6569.121	T=50	1970.00	2.78	7.64	6.30	7.99	0.001319	2.61	753.55	235.67	0.47
Valle	6569.121	T=100	2420.00	2.78	7.96	6.61	8.39	0.001466	2.92	827.60	236.61	0.50
Valle	6569.121	T=200	2890.00	2.78	8.27	6.92	8.79	0.001582	3.21	901.44	237.51	0.53
Valle	6529.948	T=50	1970.00	2.94	7.57	6.40	7.93	0.001585	2.68	735.65	254.97	0.50
Valle	6529.948	T=100	2420.00	2.94	7.88	6.73	8.33	0.001706	2.97	815.59	256.01	0.53
Valle	6529.948	T=200	2890.00	2.94	8.20	7.02	8.73	0.001787	3.22	896.49	257.05	0.55
Valle	6491.657	T=50	1970.00	3.50	7.29	6.77	7.83	0.003174	3.25	605.52	264.03	0.69
Valle	6491.657	T=100	2420.00	3.50	7.58	7.04	8.22	0.003253	3.55	681.38	265.20	0.71
Valle	6491.657	T=200	2890.00	3.50	7.88	7.30	8.62	0.003218	3.79	761.97	266.39	0.72
Valle	6452.935	T=50	1970.00	3.13	7.35	6.43	7.68	0.001637	2.64	845.78	407.65	0.51
Valle	6452.935	T=100	2420.00	3.13	7.67	6.71	8.06	0.001669	2.86	979.47	430.75	0.52
Valle	6452.935	T=200	2890.00	3.13	8.01	6.98	8.44	0.001636	3.02	1130.84	461.63	0.52
Valle	6406.671	T=50	1970.00	2.33	7.36	5.73	7.60	0.000849	2.19	1012.63	449.29	0.38
Valle	6406.671	T=100	2420.00	2.33	7.69	6.04	7.97	0.000919	2.41	1158.46	454.33	0.40
Valle	6406.671	T=200	2890.00	2.33	8.03	6.33	8.34	0.000947	2.58	1314.23	459.88	0.41
Valle	6370.032	T=50	1970.00	2.25	7.37	5.42	7.56	0.000638	1.98	1144.61	435.15	0.33
Valle	6370.032	T=100	2420.00	2.25	7.69	5.73	7.92	0.000707	2.20	1285.94	440.62	0.35
Valle	6370.032	T=200	2890.00	2.25	8.03	6.07	8.30	0.000746	2.37	1437.70	448.10	0.37
Valle	6330.769	T=50	1970.00	2.30	7.35	5.45	7.53	0.000630	1.96	1162.03	427.64	0.33
Valle	6330.769	T=100	2420.00	2.30	7.67	5.75	7.89	0.000698	2.17	1300.08	434.05	0.35
Valle	6330.769	T=200	2890.00	2.30	8.01	6.09	8.27	0.000738	2.35	1448.36	441.26	0.37
Valle	6290.582	T=50	1970.00	2.14	7.33	5.27	7.51	0.000541	1.89	1183.00	408.04	0.31
Valle	6290.582	T=100	2420.00	2.14	7.65	5.56	7.86	0.000613	2.11	1313.54	421.35	0.33
Valle	6290.582	T=200	2890.00	2.14	7.98	5.88	8.24	0.000659	2.30	1459.39	446.17	0.35
Valle	6250.849	T=50	1970.00	2.33	7.33	5.01	7.48	0.000422	1.74	1281.74	403.25	0.28
Valle	6250.849	T=100	2420.00	2.33	7.65	5.29	7.83	0.000486	1.96	1409.92	407.66	0.30
Valle	6250.849	T=200	2890.00	2.33	7.98	5.58	8.20	0.000530	2.15	1547.16	411.75	0.32
Valle	6211.123	T=50	1970.00	2.22	7.31	5.04	7.46	0.000433	1.75	1277.02	403.43	0.28
Valle	6211.123	T=100	2420.00	2.22	7.63	5.31	7.81	0.000497	1.97	1404.29	408.21	0.30
Valle	6211.123	T=200	2890.00	2.22	7.96	5.60	8.18	0.000542	2.16	1540.90	411.89	0.32
Valle	6171.176	T=50	1970.00	2.35	7.28	5.25	7.44	0.000543	1.83	1220.63	408.37	0.31
Valle	6171.176	T=100	2420.00	2.35	7.59	5.58	7.79	0.000614	2.05	1347.85	413.48	0.33
Valle	6171.176	T=200	2890.00	2.35	7.92	5.91	8.16	0.000657	2.23	1485.58	416.58	0.35
Valle	6131.188	T=50	1970.00	2.45	7.27	5.19	7.42	0.000486	1.77	1309.17	466.80	0.29
Valle	6131.188	T=100	2420.00	2.45	7.58	5.48	7.76	0.000550	1.97	1454.85	474.03	0.31
Valle	6131.188	T=200	2890.00	2.45	7.91	5.81	8.12	0.000587	2.14	1614.02	479.11	0.33
Valle	6087.609	T=50	1970.00	2.54	7.21	5.53	7.39	0.000693	1.95	1208.54	477.18	0.34
Valle	6087.609	T=100	2420.00	2.54	7.52	5.94	7.73	0.000758	2.16	1354.71	481.33	0.36
Valle	6087.609	T=200	2890.00	2.54	7.85	6.14	8.09	0.000784	2.32	1515.48	487.05	0.37
Valle	6043.049	T=50	1970.00	2.37	7.22	5.34	7.35	0.000494	1.72	1647.53	890.75	0.29
Valle	6043.049	T=100	2420.00	2.37	7.54	5.75	7.68	0.000512	1.85	1941.59	949.36	0.30
Valle	6043.049	T=200	2890.00	2.37	7.89	6.04	8.03	0.000505	1.92	2282.64	1008.53	0.30
Valle	5998.942	T=50	1970.00	2.71	7.17	6.30	7.32	0.000962	1.98	1526.17	987.67	0.38
Valle	5998.942	T=100	2420.00	2.71	7.50	6.54	7.65	0.000862	2.02	1863.01	1014.11	0.37
Valle	5998.942	T=200	2890.00	2.71	7.86	6.71	8.01	0.000754	2.03	2240.16	1062.88	0.35
Valle	5954.124	T=50	1970.00	2.53	7.15	5.96	7.27	0.000636	1.80	1758.87	1043.08	0.32
Valle	5954.124	T=100	2420.00	2.53	7.49	6.29	7.61	0.000595	1.86	2112.96	1056.64	0.32
Valle	5954.124	T=200	2890.00	2.53	7.85	6.49	7.97	0.000539	1.90	2498.61	1069.99	0.31
Valle	5906.885	T=50	1970.00	2.54	7.12	6.03	7.24	0.000652	1.85	1761.17	1072.69	0.33
Valle	5906.885	T=100	2420.00	2.54	7.46	6.34	7.58	0.000601	1.90	2129.85	1083.78	0.32
Valle	5906.885	T=200	2890.00	2.54	7.82	6.56	7.95	0.000537	1.92	2531.73	1106.97	0.31
Valle	5861.53	T=50	1970.00	2.50	7.09	5.78	7.21	0.000576	1.83	1810.69	1073.07	0.31
Valle	5861.53	T=100	2420.00	2.50	7.43	6.19	7.56	0.000543	1.89	2181.06	1084.28	0.31
Valle	5861.53	T=200	2890.00	2.50	7.80	6.44	7.92	0.000495	1.92	2584.22	1104.12	0.30

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	5816.878	T=50	1970.00	2.49	7.07	5.90	7.19	0.000532	1.79	1889.09	1052.88	0.30
Valle	5816.878	T=100	2420.00	2.49	7.42	6.20	7.53	0.000505	1.86	2252.30	1060.40	0.30
Valle	5816.878	T=200	2890.00	2.49	7.79	6.38	7.90	0.000463	1.89	2647.54	1071.75	0.29
Valle	5778.98	T=50	1970.00	2.52	7.04	6.17	7.16	0.000713	1.92	1775.54	1059.53	0.34
Valle	5778.98	T=100	2420.00	2.52	7.38	6.36	7.51	0.000651	1.97	2147.86	1079.51	0.33
Valle	5778.98	T=200	2890.00	2.52	7.76	6.52	7.88	0.000570	1.97	2557.02	1092.10	0.32
Valle	5741.657	T=50	1970.00	2.72	6.98	6.28	7.13	0.000985	2.10	1636.63	1065.95	0.40
Valle	5741.657	T=100	2420.00	2.72	7.34	6.46	7.48	0.000841	2.10	2027.53	1105.52	0.37
Valle	5741.657	T=200	2890.00	2.72	7.73	6.62	7.86	0.000713	2.08	2463.30	1168.04	0.35
Valle	5705.226	T=50	1970.00	2.70	6.96	6.07	7.09	0.000751	1.95	1784.36	1094.34	0.35
Valle	5705.226	T=100	2420.00	2.70	7.33	6.27	7.45	0.000668	1.97	2189.17	1141.89	0.34
Valle	5705.226	T=200	2890.00	2.70	7.71	6.46	7.83	0.000571	1.96	2638.11	1175.70	0.32
Valle	5658.728	T=50	1970.00	2.29	6.95	5.76	7.06	0.000506	1.74	2026.07	1146.04	0.29
Valle	5658.728	T=100	2420.00	2.29	7.32	6.05	7.42	0.000466	1.78	2444.33	1163.52	0.29
Valle	5658.728	T=200	2890.00	2.29	7.70	6.26	7.80	0.000416	1.79	2897.72	1175.99	0.28
Valle	5612.418	T=50	1970.00	2.11	6.93	5.95	7.03	0.000577	1.75	2038.65	1183.53	0.31
Valle	5612.418	T=100	2420.00	2.11	7.30	6.13	7.39	0.000510	1.76	2473.83	1196.38	0.30
Valle	5612.418	T=200	2890.00	2.11	7.69	6.31	7.78	0.000442	1.76	2943.63	1208.89	0.28
Valle	5585.467	T=50	1970.00	2.40	6.91	6.09	7.01	0.000776	1.86	1900.64	1183.88	0.35
Valle	5585.467	T=100	2420.00	2.40	7.28	6.25	7.38	0.000644	1.84	2344.37	1195.32	0.33
Valle	5585.467	T=200	2890.00	2.40	7.67	6.38	7.76	0.000533	1.81	2819.28	1204.56	0.30
Valle	5559.211	T=50	1970.00	2.24	6.88	6.12	6.99	0.000926	1.92	1831.72	1186.22	0.38
Valle	5559.211	T=100	2420.00	2.24	7.26	6.31	7.36	0.000733	1.87	2285.56	1196.83	0.34
Valle	5559.211	T=200	2890.00	2.24	7.66	6.44	7.75	0.000592	1.83	2767.28	1212.64	0.32
Valle	5523.778	T=50	1970.00	2.46	6.86	5.88	6.96	0.000679	1.79	1959.09	1209.57	0.33
Valle	5523.778	T=100	2420.00	2.46	7.24	5.98	7.33	0.000570	1.78	2425.92	1224.15	0.31
Valle	5523.778	T=200	2890.00	2.46	7.64	6.14	7.73	0.000474	1.75	2922.34	1234.63	0.29
Valle	5487.42	T=50	1970.00	2.50	6.82	5.89	6.93	0.000810	1.86	1846.18	1177.75	0.36
Valle	5487.42	T=100	2420.00	2.50	7.21	6.07	7.31	0.000647	1.82	2311.22	1194.65	0.33
Valle	5487.42	T=200	2890.00	2.50	7.62	6.27	7.71	0.000529	1.78	2802.56	1210.94	0.30
Valle	5450.433	T=50	1970.00	2.64	6.79	5.90	6.90	0.000797	1.83	1859.39	1168.48	0.35
Valle	5450.433	T=100	2420.00	2.64	7.19	6.11	7.29	0.000633	1.78	2327.73	1180.00	0.32
Valle	5450.433	T=200	2890.00	2.64	7.60	6.32	7.69	0.000517	1.75	2818.69	1199.07	0.30
Valle	5445.05	T=50	1970.00	2.56	6.78	5.86	6.89	0.000731	1.81	1873.56	1159.86	0.34
Valle	5445.05	T=100	2420.00	2.56	7.18	6.01	7.28	0.000592	1.78	2339.37	1174.17	0.31
Valle	5445.05	T=200	2890.00	2.56	7.60	6.26	7.69	0.000492	1.75	2827.15	1189.61	0.29
Valle	5440		Bridge									
Valle	5439.393	T=50	1970.00	2.68	6.73	5.88	6.85	0.000807	1.87	1819.49	1167.91	0.36
Valle	5439.393	T=100	2420.00	2.68	7.14	6.07	7.24	0.000631	1.81	2299.45	1181.60	0.32
Valle	5439.393	T=200	2890.00	2.68	7.58	6.29	7.67	0.000495	1.75	2822.65	1195.21	0.29
Valle	5435.854	T=50	1970.00	2.78	6.73	5.87	6.84	0.000784	1.85	1841.97	1166.15	0.35
Valle	5435.854	T=100	2420.00	2.78	7.14	6.04	7.24	0.000616	1.79	2320.29	1174.10	0.32
Valle	5435.854	T=200	2890.00	2.78	7.58	6.27	7.67	0.000487	1.73	2842.14	1194.91	0.29
Valle	5387.867	T=50	1970.00	1.80	6.70	5.83	6.81	0.000762	1.82	1920.84	1166.72	0.35
Valle	5387.867	T=100	2420.00	1.80	7.12	5.99	7.21	0.000597	1.76	2406.99	1176.85	0.31
Valle	5387.867	T=200	2890.00	1.80	7.56	6.11	7.64	0.000472	1.70	2938.55	1217.67	0.28
Valle	5355.977	T=50	1970.00	1.77	6.69	5.86	6.78	0.000849	1.81	1960.18	1269.72	0.36
Valle	5355.977	T=100	2420.00	1.77	7.11	6.05	7.19	0.000626	1.71	2500.55	1292.81	0.32
Valle	5355.977	T=200	2890.00	1.77	7.56	6.19	7.63	0.000476	1.63	3089.76	1326.39	0.28
Valle	5326.403	T=50	1970.00	1.87	6.67	5.86	6.75	0.000785	1.70	2081.40	1307.02	0.34
Valle	5326.403	T=100	2420.00	1.87	7.10	6.00	7.17	0.000577	1.60	2643.60	1335.52	0.30
Valle	5326.403	T=200	2890.00	1.87	7.55	6.13	7.61	0.000437	1.54	3255.31	1374.29	0.27
Valle	5278.855	T=50	1970.00	1.46	6.63	5.71	6.72	0.000659	1.71	2064.23	1213.81	0.32
Valle	5278.855	T=100	2420.00	1.46	7.06	5.86	7.14	0.000515	1.66	2598.46	1259.19	0.29
Valle	5278.855	T=200	2890.00	1.46	7.52	5.94	7.59	0.000404	1.60	3188.51	1316.75	0.27
Valle	5230.262	T=50	1970.00	1.66	6.61	5.62	6.69	0.000595	1.65	2107.28	1192.59	0.31
Valle	5230.262	T=100	2420.00	1.66	7.04	5.79	7.12	0.000484	1.63	2643.41	1260.99	0.28
Valle	5230.262	T=200	2890.00	1.66	7.50	5.91	7.57	0.000392	1.59	3235.73	1323.14	0.26
Valle	5192.268	T=50	1970.00	1.50	6.58	5.62	6.66	0.000677	1.70	2042.39	1195.14	0.32
Valle	5192.268	T=100	2420.00	1.50	7.02	5.75	7.10	0.000532	1.64	2590.55	1257.44	0.29
Valle	5192.268	T=200	2890.00	1.50	7.49	5.92	7.56	0.000415	1.59	3189.35	1322.93	0.26
Valle	5152.938	T=50	1970.00	1.55	6.55	5.57	6.64	0.000600	1.70	2068.96	1203.12	0.31

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	5152.938	T=100	2420.00	1.55	7.00	5.70	7.08	0.000472	1.65	2624.66	1251.00	0.28
Valle	5152.938	T=200	2890.00	1.55	7.47	5.89	7.54	0.000374	1.60	3223.37	1308.65	0.26
Valle	5112.368	T=50	1970.00	1.67	6.53	5.40	6.61	0.000492	1.61	2192.67	1206.33	0.28
Valle	5112.368	T=100	2420.00	1.67	6.99	5.54	7.06	0.000399	1.58	2752.29	1254.42	0.26
Valle	5112.368	T=200	2890.00	1.67	7.46	5.73	7.53	0.000327	1.55	3358.27	1319.51	0.24
Valle	5069.352	T=50	1970.00	1.70	6.51	5.38	6.59	0.000481	1.61	2205.47	1230.36	0.28
Valle	5069.352	T=100	2420.00	1.70	6.97	5.53	7.04	0.000387	1.58	2780.00	1271.09	0.26
Valle	5069.352	T=200	2890.00	1.70	7.45	5.73	7.51	0.000317	1.54	3405.27	1341.29	0.24
Valle	5020.795	T=50	1970.00	1.52	6.49	5.40	6.57	0.000530	1.64	2162.61	1204.24	0.29
Valle	5020.795	T=100	2420.00	1.52	6.95	5.53	7.02	0.000421	1.57	2732.10	1241.44	0.27
Valle	5020.795	T=200	2890.00	1.52	7.43	5.75	7.50	0.000341	1.54	3346.79	1326.68	0.25
Valle	4979.656	T=50	1970.00	1.46	6.46	5.39	6.55	0.000546	1.67	2101.52	1184.38	0.30
Valle	4979.656	T=100	2420.00	1.46	6.93	5.57	7.01	0.000421	1.60	2663.74	1202.61	0.27
Valle	4979.656	T=200	2890.00	1.46	7.41	5.73	7.48	0.000337	1.56	3257.26	1256.11	0.24
Valle	4941.521	T=50	1970.00	1.54	6.41	5.41	6.52	0.000713	1.83	1908.59	1174.81	0.34
Valle	4941.521	T=100	2420.00	1.54	6.90	5.56	6.99	0.000518	1.72	2485.02	1196.20	0.29
Valle	4941.521	T=200	2890.00	1.54	7.39	5.76	7.47	0.000395	1.64	3078.97	1206.63	0.26
Valle	4903.059	T=50	1970.00	1.49	6.39	5.10	6.49	0.000549	1.75	1945.06	1066.39	0.30
Valle	4903.059	T=100	2420.00	1.49	6.88	5.39	6.97	0.000434	1.70	2480.49	1132.43	0.28
Valle	4903.059	T=200	2890.00	1.49	7.37	5.52	7.45	0.000355	1.66	3052.47	1194.85	0.25
Valle	4864.216	T=50	1970.00	1.55	6.38	5.20	6.47	0.000515	1.68	2056.72	1123.68	0.29
Valle	4864.216	T=100	2420.00	1.55	6.87	5.39	6.95	0.000407	1.63	2616.03	1162.42	0.27
Valle	4864.216	T=200	2890.00	1.55	7.36	5.56	7.44	0.000328	1.59	3201.58	1193.60	0.24
Valle	4825.143	T=50	1970.00	1.11	6.35	5.17	6.45	0.000535	1.73	1936.68	1032.34	0.30
Valle	4825.143	T=100	2420.00	1.11	6.84	5.35	6.93	0.000432	1.70	2458.03	1100.64	0.27
Valle	4825.143	T=200	2890.00	1.11	7.34	5.54	7.42	0.000349	1.66	3023.86	1153.61	0.25
Valle	4784.8	T=50	1970.00	1.28	6.32	5.24	6.43	0.000604	1.78	1933.04	1105.67	0.32
Valle	4784.8	T=100	2420.00	1.28	6.82	5.42	6.91	0.000458	1.70	2496.24	1141.80	0.28
Valle	4784.8	T=200	2890.00	1.28	7.33	5.57	7.41	0.000360	1.64	3080.23	1167.36	0.26
Valle	4744.987	T=50	1970.00	0.87	6.31	5.14	6.40	0.000525	1.65	2079.46	1097.33	0.29
Valle	4744.987	T=100	2420.00	0.87	6.82	5.34	6.89	0.000401	1.59	2647.53	1157.76	0.26
Valle	4744.987	T=200	2890.00	0.87	7.32	5.50	7.39	0.000322	1.55	3237.47	1173.23	0.24
Valle	4703.987	T=50	1970.00	1.16	6.30	5.08	6.38	0.000487	1.61	2089.58	1047.68	0.28
Valle	4703.987	T=100	2420.00	1.16	6.80	5.24	6.88	0.000383	1.57	2625.71	1067.36	0.26
Valle	4703.987	T=200	2890.00	1.16	7.31	5.43	7.38	0.000311	1.54	3170.47	1073.77	0.24
Valle	4664.987	T=50	1970.00	1.21	6.27	5.18	6.36	0.000546	1.69	1992.30	1023.14	0.30
Valle	4664.987	T=100	2420.00	1.21	6.78	5.33	6.86	0.000419	1.63	2520.85	1037.12	0.27
Valle	4664.987	T=200	2890.00	1.21	7.29	5.50	7.37	0.000338	1.60	3055.36	1049.76	0.25
Valle	4623.755	T=50	1970.00	1.15	6.21	5.04	6.33	0.000666	1.87	1703.63	873.08	0.33
Valle	4623.755	T=100	2420.00	1.15	6.73	5.23	6.84	0.000524	1.83	2186.06	975.86	0.30
Valle	4623.755	T=200	2890.00	1.15	7.25	5.31	7.35	0.000422	1.79	2709.67	1027.75	0.27
Valle	4583.441	T=50	1970.00	1.16	6.15	5.05	6.30	0.000871	2.02	1475.98	701.24	0.37
Valle	4583.441	T=100	2420.00	1.16	6.67	5.17	6.81	0.000694	2.01	1856.32	787.21	0.34
Valle	4583.441	T=200	2890.00	1.16	7.19	5.46	7.32	0.000589	2.03	2291.02	877.75	0.32
Valle	4542.795	T=50	1970.00	0.63	6.14	4.87	6.26	0.000649	1.89	1638.31	791.26	0.33
Valle	4542.795	T=100	2420.00	0.63	6.67	5.17	6.78	0.000526	1.86	2068.76	837.75	0.30
Valle	4542.795	T=200	2890.00	0.63	7.19	5.35	7.30	0.000436	1.84	2549.30	979.56	0.28
Valle	4501.739	T=50	1970.00	1.04	6.14	4.82	6.23	0.000478	1.63	1973.52	887.05	0.28
Valle	4501.739	T=100	2420.00	1.04	6.67	5.01	6.75	0.000385	1.61	2451.52	923.84	0.26
Valle	4501.739	T=200	2890.00	1.04	7.19	5.17	7.27	0.000341	1.65	3004.03	1210.74	0.25
Valle	4453.047	T=50	1970.00	0.83	6.12	4.50	6.20	0.000392	1.60	2036.76	952.47	0.26
Valle	4453.047	T=100	2420.00	0.83	6.65	4.67	6.73	0.000324	1.58	2566.54	1051.08	0.24
Valle	4453.047	T=200	2890.00	0.83	7.18	5.03	7.25	0.000283	1.60	3173.26	1213.88	0.23
Valle	4410.4	T=50	1970.00	0.51	6.08	4.47	6.18	0.000448	1.71	1840.98	879.59	0.28
Valle	4410.4	T=100	2420.00	0.51	6.62	4.78	6.71	0.000372	1.70	2379.37	1076.79	0.26
Valle	4410.4	T=200	2890.00	0.51	7.15	5.04	7.24	0.000309	1.67	2979.47	1184.19	0.24
Valle	4367.539	T=50	1970.00	0.34	6.05	4.82	6.16	0.000650	1.78	1722.31	813.28	0.32
Valle	4367.539	T=100	2420.00	0.34	6.60	5.01	6.70	0.000507	1.75	2209.62	970.92	0.29
Valle	4367.539	T=200	2890.00	0.34	7.13	5.18	7.23	0.000407	1.72	2807.42	1177.49	0.27
Valle	4324.509	T=50	1970.00	0.50	5.99	4.57	6.13	0.000630	1.89	1516.52	668.02	0.32
Valle	4324.509	T=100	2420.00	0.50	6.54	4.76	6.67	0.000527	1.90	1914.69	836.63	0.30
Valle	4324.509	T=200	2890.00	0.50	7.08	4.96	7.20	0.000446	1.91	2415.73	989.93	0.29

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	4281.725	T=50	1970.00	0.55	5.90	4.36	6.09	0.000795	2.14	1225.42	547.90	0.37
Valle	4281.725	T=100	2420.00	0.55	6.44	4.61	6.64	0.000697	2.20	1580.30	756.47	0.35
Valle	4281.725	T=200	2890.00	0.55	6.99	4.85	7.17	0.000590	2.21	2015.01	835.55	0.33
Valle	4233.595	T=50	1970.00	0.47	5.92	4.28	6.04	0.000561	1.81	1597.98	722.74	0.31
Valle	4233.595	T=100	2420.00	0.47	6.47	4.57	6.59	0.000469	1.82	2009.43	773.52	0.29
Valle	4233.595	T=200	2890.00	0.47	7.01	4.78	7.13	0.000399	1.83	2447.39	832.96	0.27
Valle	4190.973	T=50	1970.00	0.42	5.96	3.69	6.00	0.000188	1.16	2764.24	1068.70	0.18
Valle	4190.973	T=100	2420.00	0.42	6.51	3.93	6.55	0.000161	1.17	3371.09	1131.65	0.17
Valle	4190.973	T=200	2890.00	0.42	7.05	4.09	7.10	0.000147	1.21	4009.11	1209.77	0.17
Valle	4152.624	T=50	1970.00	0.45	5.96	3.71	5.99	0.000163	1.04	2935.01	1077.01	0.17
Valle	4152.624	T=100	2420.00	0.45	6.51	3.92	6.54	0.000143	1.06	3541.43	1123.03	0.16
Valle	4152.624	T=200	2890.00	0.45	7.05	4.07	7.09	0.000131	1.10	4184.06	1222.13	0.16
Valle	4110.281	T=50	1970.00	0.48	5.95	3.64	5.98	0.000146	0.90	3201.44	1234.78	0.16
Valle	4110.281	T=100	2420.00	0.48	6.50	3.77	6.53	0.000123	0.91	3898.50	1284.56	0.15
Valle	4110.281	T=200	2890.00	0.48	7.05	3.96	7.08	0.000106	0.92	4612.64	1328.98	0.14
Valle	4092.527	T=50	1970.00	0.46	5.86	3.86	5.96	0.000388	1.45	1442.84	474.63	0.25
Valle	4092.527	T=100	2420.00	0.46	6.40	4.07	6.52	0.000351	1.52	1704.31	486.04	0.25
Valle	4092.527	T=200	2890.00	0.46	6.94	4.28	7.06	0.000322	1.59	1971.15	509.97	0.24
Valle	4070		Bridge									
Valle	4062.101	T=50	1970.00	0.41	5.85	3.70	5.94	0.000312	1.35	1541.96	483.48	0.23
Valle	4062.101	T=100	2420.00	0.41	6.39	3.91	6.49	0.000286	1.42	1809.61	503.42	0.23
Valle	4062.101	T=200	2890.00	0.41	6.93	4.11	7.04	0.000265	1.49	2082.20	509.79	0.22
Valle	4038.405	T=50	1970.00	0.44	5.86	3.39	5.92	0.000218	1.20	1893.58	616.70	0.20
Valle	4038.405	T=100	2420.00	0.44	6.40	3.59	6.48	0.000203	1.27	2235.11	639.39	0.19
Valle	4038.405	T=200	2890.00	0.44	6.94	3.81	7.02	0.000191	1.33	2587.66	669.25	0.19
Valle	3966.391	T=50	1970.00	0.46	5.82	3.45	5.90	0.000258	1.35	1856.49	648.55	0.21
Valle	3966.391	T=100	2420.00	0.46	6.37	3.70	6.46	0.000248	1.44	2234.04	755.58	0.21
Valle	3966.391	T=200	2890.00	0.46	6.91	3.91	7.01	0.000225	1.48	2653.90	784.60	0.21
Valle	3913.221	T=50	1970.00	0.39	5.80	3.87	5.89	0.000338	1.49	1980.28	855.71	0.24
Valle	3913.221	T=100	2420.00	0.39	6.36	4.11	6.44	0.000281	1.49	2460.88	866.75	0.23
Valle	3913.221	T=200	2890.00	0.39	6.91	4.33	6.99	0.000242	1.50	2942.42	885.10	0.22
Valle	3874.844	T=50	1970.00	0.36	5.79	4.18	5.87	0.000360	1.48	2097.81	869.10	0.25
Valle	3874.844	T=100	2420.00	0.36	6.35	4.37	6.42	0.000293	1.47	2587.14	879.62	0.23
Valle	3874.844	T=200	2890.00	0.36	6.90	4.65	6.97	0.000249	1.47	3076.55	892.51	0.22
Valle	3845.213	T=50	1970.00	0.38	5.78	4.12	5.85	0.000360	1.46	2139.96	851.02	0.25
Valle	3845.213	T=100	2420.00	0.38	6.34	4.30	6.41	0.000294	1.46	2620.33	862.11	0.23
Valle	3845.213	T=200	2890.00	0.38	6.89	4.48	6.96	0.000251	1.46	3099.36	870.10	0.22
Valle	3796.397	T=50	1970.00	0.52	5.77	4.15	5.83	0.000360	1.43	2193.93	875.20	0.25
Valle	3796.397	T=100	2420.00	0.52	6.33	4.36	6.39	0.000293	1.43	2692.83	892.43	0.23
Valle	3796.397	T=200	2890.00	0.52	6.89	4.51	6.95	0.000248	1.43	3190.87	903.67	0.21
Valle	3747.141	T=50	1970.00	0.49	5.76	4.08	5.81	0.000280	1.34	2421.53	928.64	0.22
Valle	3747.141	T=100	2420.00	0.49	6.32	4.19	6.38	0.000232	1.34	2950.88	938.59	0.21
Valle	3747.141	T=200	2890.00	0.49	6.88	4.41	6.93	0.000201	1.35	3476.60	950.29	0.20
Valle	3697.808	T=50	1970.00	0.29	5.75	3.97	5.80	0.000235	1.28	2597.31	991.51	0.20
Valle	3697.808	T=100	2420.00	0.29	6.32	4.16	6.36	0.000198	1.29	3164.70	1004.72	0.19
Valle	3697.808	T=200	2890.00	0.29	6.87	4.31	6.92	0.000171	1.29	3727.33	1011.77	0.18
Valle	3645.001	T=50	1970.00	0.08	5.74	4.01	5.78	0.000240	1.28	2628.30	1033.03	0.21
Valle	3645.001	T=100	2420.00	0.08	6.31	4.18	6.35	0.000198	1.27	3222.34	1043.96	0.19
Valle	3645.001	T=200	2890.00	0.08	6.87	4.33	6.91	0.000170	1.28	3808.86	1051.50	0.18
Valle	3600.592	T=50	1970.00	0.07	5.73	4.05	5.77	0.000231	1.22	2751.63	1074.60	0.20
Valle	3600.592	T=100	2420.00	0.07	6.30	4.20	6.34	0.000189	1.21	3371.91	1087.73	0.19
Valle	3600.592	T=200	2890.00	0.07	6.86	4.33	6.90	0.000161	1.22	3983.99	1093.38	0.17
Valle	3556.022	T=50	1970.00	0.23	5.72	3.90	5.76	0.000194	1.14	2950.95	1103.16	0.19
Valle	3556.022	T=100	2420.00	0.23	6.30	4.07	6.33	0.000162	1.14	3588.19	1115.91	0.17
Valle	3556.022	T=200	2890.00	0.23	6.86	4.21	6.90	0.000140	1.15	4216.86	1123.39	0.16
Valle	3517.655	T=50	1970.00	0.22	5.72	3.85	5.75	0.000181	1.13	3019.28	1117.95	0.18
Valle	3517.655	T=100	2420.00	0.22	6.29	4.00	6.33	0.000151	1.13	3665.44	1128.19	0.17
Valle	3517.655	T=200	2890.00	0.22	6.86	4.17	6.89	0.000132	1.14	4303.77	1140.33	0.16
Valle	3477.327	T=50	1970.00	0.30	5.71	3.82	5.74	0.000189	1.08	3074.03	1147.42	0.18
Valle	3477.327	T=100	2420.00	0.30	6.29	3.98	6.32	0.000156	1.08	3738.41	1156.43	0.17
Valle	3477.327	T=200	2890.00	0.30	6.85	4.03	6.88	0.000134	1.09	4392.66	1166.61	0.16
Valle	3438.069	T=50	1970.00	0.20	5.71	3.72	5.74	0.000169	1.06	3184.93	1163.87	0.17



HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	3438.069	T=100	2420.00	0.20	6.28	3.89	6.31	0.000141	1.06	3859.73	1172.71	0.16
Valle	3438.069	T=200	2890.00	0.20	6.85	3.99	6.88	0.000123	1.08	4524.83	1186.80	0.15
Valle	3400.185	T=50	1970.00	0.28	5.70	3.78	5.73	0.000191	1.07	3079.37	1136.56	0.18
Valle	3400.185	T=100	2420.00	0.28	6.28	3.91	6.31	0.000157	1.07	3740.87	1149.14	0.17
Valle	3400.185	T=200	2890.00	0.28	6.84	4.05	6.87	0.000136	1.08	4394.21	1167.77	0.16
Valle	3376.255	T=50	1970.00	0.29	5.69	3.71	5.73	0.000192	1.09	3023.60	1116.00	0.18
Valle	3376.255	T=100	2420.00	0.29	6.27	3.87	6.31	0.000158	1.09	3673.26	1125.12	0.17
Valle	3376.255	T=200	2890.00	0.29	6.84	3.93	6.87	0.000137	1.11	4313.08	1142.94	0.16
Valle	3337.304	T=50	1970.00	0.29	5.69	3.75	5.72	0.000186	1.08	3102.10	1205.55	0.18
Valle	3337.304	T=100	2420.00	0.29	6.27	3.89	6.30	0.000153	1.08	3807.94	1220.59	0.17
Valle	3337.304	T=200	2890.00	0.29	6.83	4.08	6.87	0.000130	1.09	4503.32	1234.92	0.16
Valle	3280.426	T=50	1970.00	0.24	5.68	3.71	5.71	0.000188	1.10	3129.06	1169.77	0.18
Valle	3280.426	T=100	2420.00	0.24	6.26	3.89	6.29	0.000154	1.09	3820.07	1196.29	0.17
Valle	3280.426	T=200	2890.00	0.24	6.83	3.92	6.86	0.000134	1.11	4508.93	1244.36	0.16
Valle	3256.96	T=50	1970.00	0.27	5.68	3.57	5.70	0.000171	1.06	3228.19	1182.17	0.17
Valle	3256.96	T=100	2420.00	0.27	6.26	3.79	6.29	0.000144	1.07	3923.95	1214.23	0.16
Valle	3256.96	T=200	2890.00	0.27	6.83	3.91	6.86	0.000124	1.08	4619.58	1233.20	0.15
Valle	3233.864	T=50	1970.00	0.28	5.02	4.09	5.64	0.002304	3.52	576.51	189.79	0.62
Valle	3233.864	T=100	2420.00	0.28	5.51	4.44	6.21	0.002209	3.76	667.38	209.99	0.62
Valle	3233.864	T=200	2890.00	0.28	5.99	4.80	6.77	0.002106	3.96	768.73	557.61	0.61
Valle	3230		Bridge									
Valle	3226.518	T=50	1970.00	0.28	3.74	4.12	5.46	0.011426	5.80	339.40	180.26	1.28
Valle	3226.518	T=100	2420.00	0.28	4.05	4.49	6.02	0.011034	6.22	389.11	182.34	1.28
Valle	3226.518	T=200	2890.00	0.28	4.35	4.85	6.57	0.010695	6.60	438.07	184.49	1.29
Valle	3188.564	T=50	1970.00	0.23	4.29	3.60	4.41	0.000895	2.02	1821.47	1148.68	0.38
Valle	3188.564	T=100	2420.00	0.23	4.53	3.74	4.66	0.000915	2.15	2094.65	1163.80	0.39
Valle	3188.564	T=200	2890.00	0.23	4.76	3.87	4.89	0.000926	2.27	2358.70	1173.20	0.40
Valle	3150.799	T=50	1970.00	0.12	4.29	3.31	4.37	0.000649	1.53	1973.47	1103.13	0.31
Valle	3150.799	T=100	2420.00	0.12	4.53	3.47	4.62	0.000676	1.65	2233.00	1113.87	0.32
Valle	3150.799	T=200	2890.00	0.12	4.75	3.57	4.85	0.000697	1.77	2482.92	1122.60	0.33
Valle	3110.45	T=50	1970.00	0.15	4.23	3.37	4.34	0.000885	1.71	1756.17	1111.79	0.36
Valle	3110.45	T=100	2420.00	0.15	4.47	3.47	4.58	0.000884	1.82	2016.88	1115.87	0.37
Valle	3110.45	T=200	2890.00	0.15	4.69	3.70	4.82	0.000887	1.93	2266.54	1122.72	0.37
Valle	3076.176	T=50	1970.00	0.20	4.20	3.39	4.30	0.000874	1.66	1796.38	1114.05	0.36
Valle	3076.176	T=100	2420.00	0.20	4.44	3.49	4.54	0.000873	1.77	2058.19	1124.51	0.36
Valle	3076.176	T=200	2890.00	0.20	4.66	3.65	4.78	0.000875	1.88	2310.19	1132.22	0.37
Valle	3046.615	T=50	1970.00	0.29	4.18	3.23	4.27	0.000818	1.60	1849.23	1106.87	0.35
Valle	3046.615	T=100	2420.00	0.29	4.42	3.38	4.51	0.000824	1.72	2108.38	1111.82	0.35
Valle	3046.615	T=200	2890.00	0.29	4.64	3.53	4.75	0.000832	1.83	2356.52	1116.22	0.36
Valle	2998.246	T=50	1970.00	0.24	4.14	3.18	4.23	0.000907	1.63	1807.51	1081.84	0.36
Valle	2998.246	T=100	2420.00	0.24	4.37	3.27	4.47	0.000926	1.73	2063.49	1102.21	0.37
Valle	2998.246	T=200	2890.00	0.24	4.60	3.51	4.70	0.000932	1.83	2311.30	1114.55	0.38
Valle	2949.267	T=50	1970.00	0.66	4.10	3.16	4.18	0.000928	1.64	1784.97	1030.42	0.36
Valle	2949.267	T=100	2420.00	0.66	4.33	3.33	4.43	0.000948	1.76	2024.36	1037.66	0.37
Valle	2949.267	T=200	2890.00	0.66	4.55	3.46	4.66	0.000971	1.86	2255.82	1047.78	0.38
Valle	2901.098	T=50	1970.00	0.30	4.05	3.13	4.14	0.000836	1.64	1819.20	1002.30	0.35
Valle	2901.098	T=100	2420.00	0.30	4.28	3.25	4.38	0.000869	1.77	2049.07	1005.65	0.36
Valle	2901.098	T=200	2890.00	0.30	4.50	3.37	4.61	0.000904	1.89	2269.54	1011.69	0.37
Valle	2852.147	T=50	1970.00	0.27	4.00	3.16	4.09	0.001023	1.72	1717.08	988.87	0.38
Valle	2852.147	T=100	2420.00	0.27	4.23	3.28	4.33	0.001063	1.82	1945.27	1002.95	0.39
Valle	2852.147	T=200	2890.00	0.27	4.45	3.40	4.56	0.001086	1.94	2163.89	1012.30	0.40
Valle	2804.241	T=50	1970.00	0.22	3.98	2.86	4.05	0.000634	1.50	1976.28	1016.73	0.31
Valle	2804.241	T=100	2420.00	0.22	4.20	2.99	4.29	0.000678	1.65	2206.21	1021.66	0.32
Valle	2804.241	T=200	2890.00	0.22	4.42	3.06	4.52	0.000717	1.79	2426.01	1027.25	0.34
Valle	2758.369	T=50	1970.00	0.17	3.95	2.81	4.02	0.000578	1.48	2068.99	1041.11	0.30
Valle	2758.369	T=100	2420.00	0.17	4.18	2.94	4.26	0.000624	1.62	2302.84	1046.60	0.31
Valle	2758.369	T=200	2890.00	0.17	4.39	3.06	4.48	0.000666	1.76	2526.60	1051.82	0.33
Valle	2712.407	T=50	1970.00	0.30	3.92	2.78	3.99	0.000680	1.56	2003.20	1091.56	0.32
Valle	2712.407	T=100	2420.00	0.30	4.14	3.01	4.23	0.000719	1.70	2246.45	1094.44	0.33
Valle	2712.407	T=200	2890.00	0.30	4.35	3.13	4.45	0.000754	1.83	2479.35	1105.10	0.35
Valle	2666.457	T=50	1970.00	0.22	3.89	2.78	3.96	0.000620	1.55	2045.22	1074.11	0.31
Valle	2666.457	T=100	2420.00	0.22	4.11	2.93	4.19	0.000666	1.70	2281.97	1076.82	0.33

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	2666.457	T=200	2890.00	0.22	4.32	2.99	4.42	0.000708	1.84	2508.50	1083.16	0.34
Valle	2618.224	T=50	1970.00	0.28	3.84	2.96	3.92	0.000983	1.71	1817.96	1082.30	0.38
Valle	2618.224	T=100	2420.00	0.28	4.06	3.11	4.16	0.001012	1.85	2054.14	1087.18	0.39
Valle	2618.224	T=200	2890.00	0.28	4.27	3.24	4.38	0.001039	1.99	2280.23	1090.23	0.40
Valle	2559.182	T=50	1970.00	0.21	3.75	2.97	3.86	0.001433	1.93	1558.26	970.14	0.45
Valle	2559.182	T=100	2420.00	0.21	3.97	3.05	4.09	0.001469	2.07	1765.67	980.00	0.46
Valle	2559.182	T=200	2890.00	0.21	4.17	3.28	4.31	0.001496	2.23	1963.58	986.61	0.47
Valle	2509.26	T=50	1970.00	0.29	3.68	2.93	3.80	0.001324	1.96	1563.68	945.63	0.44
Valle	2509.26	T=100	2420.00	0.29	3.89	3.06	4.02	0.001377	2.13	1760.68	951.32	0.45
Valle	2509.26	T=200	2890.00	0.29	4.09	3.19	4.24	0.001428	2.29	1949.16	959.79	0.47
Valle	2464.9	T=50	1970.00	0.31	3.63	2.82	3.74	0.001184	1.93	1584.31	921.42	0.42
Valle	2464.9	T=100	2420.00	0.31	3.83	2.95	3.97	0.001259	2.11	1772.70	926.46	0.44
Valle	2464.9	T=200	2890.00	0.31	4.02	3.08	4.18	0.001329	2.28	1952.56	934.81	0.45
Valle	2420.723	T=50	1970.00	0.22	3.58	2.74	3.69	0.001052	1.95	1601.80	867.58	0.40
Valle	2420.723	T=100	2420.00	0.22	3.77	2.88	3.91	0.001159	2.14	1773.43	869.91	0.42
Valle	2420.723	T=200	2890.00	0.22	3.96	3.01	4.12	0.001257	2.33	1936.71	872.13	0.45
Valle	2377.207	T=50	1970.00	0.24	3.52	2.75	3.64	0.001213	2.02	1560.59	888.91	0.42
Valle	2377.207	T=100	2420.00	0.24	3.71	2.88	3.86	0.001328	2.21	1732.62	893.23	0.45
Valle	2377.207	T=200	2890.00	0.24	3.90	3.02	4.07	0.001431	2.39	1897.08	896.91	0.47
Valle	2333.898	T=50	1970.00	0.25	3.41	2.77	3.58	0.001801	2.31	1346.30	881.42	0.51
Valle	2333.898	T=100	2420.00	0.25	3.58	2.88	3.78	0.002022	2.58	1498.99	917.00	0.55
Valle	2333.898	T=200	2890.00	0.25	3.73	3.04	3.98	0.002252	2.85	1645.24	948.09	0.58
Valle	2284.514	T=50	1970.00	0.05	3.37	2.69	3.48	0.001421	1.96	1607.16	1039.47	0.45
Valle	2284.514	T=100	2420.00	0.05	3.54	2.86	3.67	0.001536	2.14	1788.89	1051.02	0.47
Valle	2284.514	T=200	2890.00	0.05	3.71	2.95	3.86	0.001639	2.33	1960.47	1056.46	0.49
Valle	2235.894	T=50	1970.00	0.23	3.35	2.56	3.41	0.000833	1.55	2243.22	2339.05	0.35
Valle	2235.894	T=100	2420.00	0.23	3.53	2.71	3.60	0.000894	1.68	2520.73	2398.46	0.36
Valle	2235.894	T=200	2890.00	0.23	3.70	2.79	3.78	0.000942	1.79	2791.43	2447.87	0.38
Valle	2187.939	T=50	1970.00	0.12	3.31	2.50	3.37	0.000974	1.57	2187.48	1625.12	0.37
Valle	2187.939	T=100	2420.00	0.12	3.48	2.68	3.55	0.001008	1.68	2475.94	1648.36	0.38
Valle	2187.939	T=200	2890.00	0.12	3.65	2.77	3.73	0.001038	1.79	2753.11	1669.05	0.39
Valle	2140.63	T=50	1970.00	0.26	3.27	2.49	3.32	0.000889	1.46	2323.48	1732.93	0.35
Valle	2140.63	T=100	2420.00	0.26	3.44	2.62	3.50	0.000913	1.56	2628.67	1746.15	0.36
Valle	2140.63	T=200	2890.00	0.26	3.61	2.74	3.68	0.000937	1.67	2920.47	1758.77	0.37
Valle	2093.893	T=50	1970.00	0.30	3.23	2.33	3.28	0.000741	1.30	2471.78	1788.83	0.32
Valle	2093.893	T=100	2420.00	0.30	3.41	2.46	3.46	0.000777	1.39	2786.78	1808.67	0.33
Valle	2093.893	T=200	2890.00	0.30	3.57	2.53	3.63	0.000800	1.50	3086.68	1815.01	0.34
Valle	2049.274	T=50	1970.00	0.31	3.19	2.34	3.24	0.000818	1.34	2342.17	1736.01	0.33
Valle	2049.274	T=100	2420.00	0.31	3.36	2.48	3.42	0.000852	1.44	2641.59	1746.67	0.34
Valle	2049.274	T=200	2890.00	0.31	3.53	2.59	3.59	0.000886	1.54	2929.46	1768.77	0.35
Valle	2004.493	T=50	1970.00	0.23	3.16	2.25	3.21	0.000725	1.32	2389.52	1773.68	0.31
Valle	2004.493	T=100	2420.00	0.23	3.33	2.42	3.39	0.000759	1.43	2690.63	1783.23	0.33
Valle	2004.493	T=200	2890.00	0.23	3.49	2.53	3.56	0.000788	1.54	2979.93	1791.14	0.34
Valle	1959.467	T=50	1970.00	0.01	3.12	2.22	3.18	0.000622	1.32	2378.25	1735.93	0.30
Valle	1959.467	T=100	2420.00	0.01	3.29	2.39	3.36	0.000668	1.44	2668.06	1744.63	0.31
Valle	1959.467	T=200	2890.00	0.01	3.45	2.50	3.53	0.000707	1.55	2946.68	1753.82	0.33
Valle	1917.843	T=50	1970.00	0.32	3.08	2.37	3.15	0.001048	1.43	2101.45	1725.58	0.37
Valle	1917.843	T=100	2420.00	0.32	3.25	2.47	3.32	0.001066	1.53	2389.56	1743.42	0.38
Valle	1917.843	T=200	2890.00	0.32	3.41	2.59	3.49	0.001077	1.63	2666.72	1752.82	0.39
Valle	1878.37	T=50	1970.00	0.20	3.04	2.40	3.11	0.001090	1.47	2043.08	1717.10	0.38
Valle	1878.37	T=100	2420.00	0.20	3.20	2.49	3.28	0.001101	1.58	2327.95	1740.66	0.39
Valle	1878.37	T=200	2890.00	0.20	3.36	2.61	3.45	0.001112	1.68	2605.13	1767.87	0.39
Valle	1841.208	T=50	1970.00	0.23	3.02	2.28	3.07	0.000886	1.32	2297.59	1885.25	0.34
Valle	1841.208	T=100	2420.00	0.23	3.18	2.44	3.24	0.000901	1.42	2611.77	1909.62	0.35
Valle	1841.208	T=200	2890.00	0.23	3.34	2.52	3.41	0.000917	1.52	2917.14	1948.06	0.36
Valle	1802.255	T=50	1970.00	0.13	3.00	2.04	3.04	0.000556	1.09	2734.39	2052.77	0.27
Valle	1802.255	T=100	2420.00	0.13	3.17	2.14	3.21	0.000587	1.19	3076.26	2078.77	0.28
Valle	1802.255	T=200	2890.00	0.13	3.33	2.25	3.38	0.000617	1.29	3408.36	2104.51	0.30
Valle	1664.735	T=50	1970.00	0.11	2.96	1.98	2.99	0.000583	1.08	2703.54	2045.74	0.28
Valle	1664.735	T=100	2420.00	0.11	3.12	2.08	3.16	0.000616	1.18	3041.60	2073.59	0.29
Valle	1664.735	T=200	2890.00	0.11	3.28	2.23	3.33	0.000641	1.28	3369.90	2106.95	0.30
Valle	1625.59	T=50	1970.00	0.22	2.93	2.16	2.97	0.000857	1.20	2490.65	2102.23	0.33

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	1625.59	T=100	2420.00	0.22	3.09	2.23	3.14	0.000873	1.30	2836.36	2144.05	0.34
Valle	1625.59	T=200	2890.00	0.22	3.25	2.36	3.30	0.000883	1.39	3175.19	2178.68	0.34
Valle	1591.356	T=50	1970.00	0.09	2.89	2.19	2.94	0.000995	1.27	2332.31	2095.24	0.35
Valle	1591.356	T=100	2420.00	0.09	3.06	2.30	3.11	0.000985	1.36	2679.29	2155.11	0.36
Valle	1591.356	T=200	2890.00	0.09	3.21	2.37	3.27	0.000975	1.44	3020.46	2190.27	0.36
Valle	1558.994	T=50	1970.00	0.22	2.86	2.19	2.91	0.000992	1.29	2327.26	2124.71	0.35
Valle	1558.994	T=100	2420.00	0.22	3.03	2.28	3.08	0.000974	1.38	2677.55	2165.58	0.36
Valle	1558.994	T=200	2890.00	0.22	3.18	2.39	3.25	0.000959	1.46	3025.72	2250.81	0.36
Valle	1519.641	T=50	1970.00	0.31	2.83	2.11	2.88	0.000875	1.26	2447.75	2214.28	0.33
Valle	1519.641	T=100	2420.00	0.31	2.99	2.20	3.05	0.000874	1.34	2817.57	2273.58	0.34
Valle	1519.641	T=200	2890.00	0.31	3.15	2.22	3.21	0.000869	1.41	3180.73	2319.59	0.34
Valle	1469.27	T=50	1970.00	0.15	2.80	2.01	2.84	0.000685	1.14	2736.06	2370.16	0.30
Valle	1469.27	T=100	2420.00	0.15	2.96	2.14	3.01	0.000695	1.23	3128.32	2400.96	0.31
Valle	1469.27	T=200	2890.00	0.15	3.12	2.19	3.17	0.000696	1.31	3513.73	2451.09	0.31
Valle	1406.382	T=50	1970.00	0.29	2.76	2.04	2.80	0.000767	1.16	2724.71	2446.37	0.31
Valle	1406.382	T=100	2420.00	0.29	2.93	2.13	2.97	0.000752	1.23	3132.03	2475.98	0.31
Valle	1406.382	T=200	2890.00	0.29	3.09	2.20	3.13	0.000756	1.32	3524.92	2486.29	0.32
Valle	1355.586	T=50	1970.00	0.27	2.73	2.00	2.76	0.000811	1.17	2780.33	2527.03	0.32
Valle	1355.586	T=100	2420.00	0.27	2.89	2.06	2.93	0.000781	1.24	3202.80	2538.52	0.32
Valle	1355.586	T=200	2890.00	0.27	3.05	2.16	3.10	0.000759	1.31	3608.83	2542.85	0.32
Valle	1317.184	T=50	1970.00	0.26	2.69	2.00	2.73	0.000789	1.22	2784.54	2501.10	0.32
Valle	1317.184	T=100	2420.00	0.26	2.86	2.11	2.90	0.000763	1.29	3205.30	2509.82	0.32
Valle	1317.184	T=200	2890.00	0.26	3.02	2.18	3.07	0.000746	1.35	3608.79	2517.31	0.32
Valle	1276.651	T=50	1970.00	0.28	2.66	1.98	2.70	0.000679	1.20	2869.74	2492.35	0.30
Valle	1276.651	T=100	2420.00	0.28	2.83	2.06	2.87	0.000672	1.27	3291.26	2515.57	0.30
Valle	1276.651	T=200	2890.00	0.28	2.99	2.14	3.04	0.000669	1.34	3696.71	2535.03	0.31
Valle	1231.004	T=50	1970.00	0.19	2.63	1.90	2.67	0.000575	1.13	2971.65	2482.25	0.28
Valle	1231.004	T=100	2420.00	0.19	2.80	1.99	2.84	0.000579	1.21	3391.22	2501.56	0.28
Valle	1231.004	T=200	2890.00	0.19	2.96	2.06	3.01	0.000583	1.28	3793.91	2512.22	0.29
Valle	1141.305	T=50	1970.00	0.15	2.61	1.82	2.64	0.000482	1.04	3111.90	2442.26	0.25
Valle	1141.305	T=100	2420.00	0.15	2.77	1.90	2.81	0.000502	1.13	3524.95	2491.70	0.26
Valle	1141.305	T=200	2890.00	0.15	2.93	1.97	2.97	0.000510	1.20	3926.99	2510.31	0.27
Valle	1081.222	T=50	1970.00	0.16	2.58	1.75	2.61	0.000465	0.97	3180.84	2414.73	0.25
Valle	1081.222	T=100	2420.00	0.16	2.75	1.82	2.78	0.000479	1.05	3585.15	2427.45	0.25
Valle	1081.222	T=200	2890.00	0.16	2.91	1.88	2.95	0.000490	1.13	3974.12	2432.54	0.26
Valle	1042.068	T=50	1970.00	0.06	2.57	1.71	2.59	0.000472	0.96	3173.72	2454.78	0.25
Valle	1042.068	T=100	2420.00	0.06	2.73	1.77	2.76	0.000487	1.04	3584.25	2488.77	0.26
Valle	1042.068	T=200	2890.00	0.06	2.89	1.85	2.93	0.000497	1.12	3983.25	2506.33	0.26
Valle	1001.556	T=50	1970.00	0.28	2.55	1.69	2.57	0.000443	0.91	3283.40	2543.13	0.24
Valle	1001.556	T=100	2420.00	0.28	2.71	1.76	2.74	0.000452	0.99	3706.29	2548.28	0.25
Valle	1001.556	T=200	2890.00	0.28	2.87	1.82	2.91	0.000462	1.06	4113.27	2560.71	0.25
Valle	959.7769	T=50	1970.00	0.25	2.53	1.64	2.55	0.000441	0.91	3219.25	2478.09	0.24
Valle	959.7769	T=100	2420.00	0.25	2.69	1.72	2.72	0.000453	0.99	3630.54	2503.13	0.25
Valle	959.7769	T=200	2890.00	0.25	2.85	1.80	2.89	0.000465	1.07	4031.15	2545.66	0.25
Valle	912.7091	T=50	1970.00	0.16	2.51	1.62	2.53	0.000426	0.90	3212.52	2495.27	0.23
Valle	912.7091	T=100	2420.00	0.16	2.67	1.71	2.70	0.000439	0.98	3624.89	2513.62	0.24
Valle	912.7091	T=200	2890.00	0.16	2.83	1.78	2.86	0.000455	1.06	4022.83	2528.72	0.25
Valle	869.4016	T=50	1970.00	0.04	2.49	1.57	2.51	0.000392	0.86	3245.04	2447.78	0.23
Valle	869.4016	T=100	2420.00	0.04	2.65	1.64	2.68	0.000411	0.95	3648.81	2480.83	0.23
Valle	869.4016	T=200	2890.00	0.04	2.81	1.71	2.84	0.000423	1.02	4040.62	2499.63	0.24
Valle	825.697	T=50	1970.00	0.18	2.47	1.48	2.50	0.000310	0.81	3489.27	2547.57	0.20
Valle	825.697	T=100	2420.00	0.18	2.64	1.56	2.66	0.000327	0.88	3906.40	2555.27	0.21
Valle	825.697	T=200	2890.00	0.18	2.79	1.63	2.83	0.000341	0.96	4312.82	2627.99	0.22
Valle	782.1807	T=50	1970.00	0.15	2.46	1.52	2.48	0.000369	0.79	3372.36	2520.11	0.22
Valle	782.1807	T=100	2420.00	0.15	2.62	1.59	2.65	0.000388	0.87	3785.29	2553.02	0.22
Valle	782.1807	T=200	2890.00	0.15	2.78	1.64	2.81	0.000403	0.95	4186.90	2587.93	0.23
Valle	738.702	T=50	1970.00	-0.05	2.45	1.44	2.47	0.000305	0.74	3645.86	2593.72	0.20
Valle	738.702	T=100	2420.00	-0.05	2.61	1.51	2.63	0.000323	0.81	4068.18	2616.11	0.21
Valle	738.702	T=200	2890.00	-0.05	2.77	1.57	2.79	0.000337	0.89	4477.03	2626.83	0.21
Valle	695.2308	T=50	1970.00	0.10	2.43	1.40	2.45	0.000276	0.77	3612.13	2539.12	0.19
Valle	695.2308	T=100	2420.00	0.10	2.59	1.44	2.62	0.000298	0.85	4022.22	2561.62	0.20
Valle	695.2308	T=200	2890.00	0.10	2.75	1.53	2.78	0.000317	0.92	4419.95	2589.70	0.21

HEC-RAS Plan: Sc\_0 River: Posada Reach: Valle (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
Valle	646.2514	T=50	1970.00	0.31	2.38	1.45	2.41	0.000441	0.89	3174.07	2323.34	0.24
Valle	646.2514	T=100	2420.00	0.31	2.54	1.53	2.57	0.000466	0.98	3538.83	2334.78	0.25
Valle	646.2514	T=200	2890.00	0.31	2.69	1.59	2.72	0.000487	1.07	3891.45	2339.19	0.26
Valle	588.6567	T=50	1970.00	0.25	2.36	1.41	2.38	0.000453	0.89	3150.86	2296.63	0.24
Valle	588.6567	T=100	2420.00	0.25	2.51	1.49	2.54	0.000481	0.98	3507.66	2307.10	0.25
Valle	588.6567	T=200	2890.00	0.25	2.66	1.54	2.70	0.000504	1.07	3853.44	2314.82	0.26
Valle	533.2809	T=50	1970.00	0.28	2.33	1.43	2.36	0.000484	0.93	3045.26	2278.48	0.25
Valle	533.2809	T=100	2420.00	0.28	2.48	1.50	2.52	0.000516	1.03	3395.01	2295.44	0.26
Valle	533.2809	T=200	2890.00	0.28	2.63	1.57	2.67	0.000541	1.12	3735.60	2304.85	0.27
Valle	482.8386	T=50	1970.00	0.31	2.31	1.39	2.34	0.000468	0.93	3046.91	2192.05	0.25
Valle	482.8386	T=100	2420.00	0.31	2.46	1.46	2.49	0.000503	1.03	3379.37	2201.33	0.26
Valle	482.8386	T=200	2890.00	0.31	2.61	1.53	2.65	0.000533	1.12	3702.59	2211.20	0.27
Valle	432.3482	T=50	1970.00	0.20	2.29	1.35	2.32	0.000463	0.92	3057.34	2167.65	0.24
Valle	432.3482	T=100	2420.00	0.20	2.44	1.42	2.47	0.000500	1.02	3382.41	2170.77	0.26
Valle	432.3482	T=200	2890.00	0.20	2.59	1.49	2.62	0.000532	1.11	3697.66	2173.75	0.27
Valle	386.4938	T=50	1970.00	0.31	2.27	1.28	2.30	0.000441	0.90	3105.95	2154.48	0.24
Valle	386.4938	T=100	2420.00	0.31	2.42	1.35	2.45	0.000481	1.00	3426.77	2174.60	0.25
Valle	386.4938	T=200	2890.00	0.31	2.57	1.42	2.60	0.000515	1.10	3741.80	2206.71	0.27
Valle	343.2893	T=50	1970.00	0.26	2.26	1.20	2.28	0.000411	0.87	3223.64	2260.79	0.23
Valle	343.2893	T=100	2420.00	0.26	2.41	1.28	2.43	0.000451	0.97	3556.67	2268.34	0.24
Valle	343.2893	T=200	2890.00	0.26	2.57	1.36	2.58	0.000234	0.75	5886.97	3397.27	0.18
Valle	300.9984	T=50	1970.00	0.17	2.26	0.94	2.27	0.000165	0.61	5189.33	3475.31	0.15
Valle	300.9984	T=100	2420.00	0.17	2.41	1.01	2.42	0.000184	0.68	5705.78	3486.11	0.16
Valle	300.9984	T=200	2890.00	0.17	2.56	1.07	2.58	0.000195	0.74	6244.36	3491.29	0.17
Valle	258.5858	T=50	1970.00	0.17	2.24	1.02	2.26	0.000184	0.66	5021.99	3460.86	0.16
Valle	258.5858	T=100	2420.00	0.17	2.39	1.08	2.40	0.000203	0.73	5531.09	3479.13	0.17
Valle	258.5858	T=200	2890.00	0.17	2.54	1.17	2.56	0.000217	0.80	6066.16	3505.65	0.18
Valle	216.1262	T=50	1970.00	0.06	2.19	1.08	2.20	0.000252	0.68	4775.23	3409.81	0.18
Valle	216.1262	T=100	2420.00	0.06	2.34	1.14	2.35	0.000276	0.76	5258.15	3420.94	0.19
Valle	216.1262	T=200	2890.00	0.06	2.49	1.20	2.50	0.000290	0.82	5771.62	3437.44	0.20
Valle	173.296	T=50	1970.00	0.29	2.18	1.04	2.19	0.000243	0.71	4851.65	3410.99	0.18
Valle	173.296	T=100	2420.00	0.29	2.32	1.10	2.33	0.000269	0.79	5328.27	3419.18	0.19
Valle	173.296	T=200	2890.00	0.29	2.46	1.16	2.48	0.000284	0.85	5837.11	3422.38	0.20
Valle	133.8239	T=50	1970.00	0.26	2.17	0.97	2.18	0.000233	0.69	4921.76	3449.02	0.18
Valle	133.8239	T=100	2420.00	0.26	2.31	1.05	2.32	0.000260	0.77	5400.38	3457.71	0.19
Valle	133.8239	T=200	2890.00	0.26	2.45	1.11	2.47	0.000276	0.84	5913.46	3472.78	0.20
Valle	93.8667	T=50	1970.00	0.22	2.15	1.01	2.16	0.000354	0.88	4273.06	3502.00	0.22
Valle	93.8667	T=100	2420.00	0.22	2.29	1.10	2.30	0.000398	0.98	4754.93	3536.07	0.23
Valle	93.8667	T=200	2890.00	0.22	2.44	1.16	2.45	0.000404	1.04	5277.69	3555.20	0.24
Valle	49.906	T=50	1970.00	0.21	2.07	1.47	2.13	0.001791	1.86	2134.14	2511.89	0.48
Valle	49.906	T=100	2420.00	0.21	2.20	1.59	2.27	0.001831	1.99	2475.76	2772.74	0.49
Valle	49.906	T=200	2890.00	0.21	2.35	1.70	2.42	0.001761	2.07	2905.15	3076.10	0.49
Valle	4.174107	T=50	1970.00	0.22	1.80	1.68	2.02	0.007000	3.15	1161.90	1927.34	0.92
Valle	4.174107	T=100	2420.00	0.22	1.80	1.78	2.13	0.010563	3.87	1161.90	1927.34	1.13
Valle	4.174107	T=200	2890.00	0.22	1.82	1.82	2.26	0.013973	4.50	1204.48	1998.11	1.30

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle

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 # Chi
Valle	14879.7	T=50	1830.00	10.58	18.88	15.57	19.53	0.001250	3.91	629.83	112.79	0.45
Valle	14879.7	T=100	2260.00	10.58	19.85	16.44	20.60	0.001236	4.21	742.93	119.61	0.46
Valle	14879.7	T=200	2710.00	10.58	20.74	17.17	21.59	0.001258	4.53	852.54	128.23	0.47
Valle	14850	T=50	1830.00	10.07	18.89	15.51	19.48	0.001032	3.67	657.27	112.40	0.41
Valle	14850	T=100	2260.00	10.07	19.86	16.20	20.55	0.001036	3.97	769.77	118.62	0.42
Valle	14850	T=200	2710.00	10.07	20.75	16.84	21.54	0.001066	4.28	878.13	126.73	0.43
Valle	14824.94	T=50	1830.00	10.41	18.74	15.79	19.44	0.001340	3.98	595.22	104.84	0.46
Valle	14824.94	T=100	2260.00	10.41	19.70	16.62	20.51	0.001328	4.29	698.67	111.04	0.47
Valle	14824.94	T=200	2710.00	10.41	20.59	17.30	21.50	0.001327	4.59	798.95	115.73	0.48
Valle	14799.88	T=50	1830.00	9.97	18.70	15.62	19.41	0.001243	3.90	570.32	97.60	0.45
Valle	14799.88	T=100	2260.00	9.97	19.64	16.30	20.47	0.001265	4.25	665.80	105.84	0.46
Valle	14799.88	T=200	2710.00	9.97	20.49	16.96	21.46	0.001306	4.60	759.17	113.78	0.48
Valle	14750	T=50	1830.00	10.03	18.73	15.25	19.32	0.000994	3.56	629.97	102.96	0.40
Valle	14750	T=100	2260.00	10.03	19.68	15.87	20.37	0.001020	3.89	731.34	110.23	0.42
Valle	14750	T=200	2710.00	10.03	20.54	16.49	21.35	0.001065	4.23	828.97	117.77	0.43
Valle	14700	T=50	1830.00	9.97	18.51	15.74	19.24	0.001406	4.11	596.72	109.00	0.48
Valle	14700	T=100	2260.00	9.97	19.47	16.41	20.30	0.001381	4.41	703.67	113.23	0.48
Valle	14700	T=200	2710.00	9.97	20.35	17.09	21.28	0.001388	4.72	804.22	116.85	0.49
Valle	14650	T=50	1830.00	10.08	18.40	15.43	19.17	0.001352	4.10	556.06	94.36	0.47
Valle	14650	T=100	2260.00	10.08	19.32	16.13	20.22	0.001380	4.46	645.57	99.08	0.48
Valle	14650	T=200	2710.00	10.08	20.15	16.88	21.20	0.001430	4.83	729.21	102.46	0.50
Valle	14600	T=50	1830.00	10.04	18.32	15.40	19.10	0.001336	4.04	532.82	91.41	0.47
Valle	14600	T=100	2260.00	10.04	19.24	16.11	20.15	0.001361	4.40	619.10	96.09	0.48
Valle	14600	T=200	2710.00	10.04	20.06	16.84	21.12	0.001407	4.75	699.62	99.32	0.49
Valle	14550	T=50	1830.00	9.99	18.10	15.57	19.01	0.001619	4.40	506.51	90.80	0.51
Valle	14550	T=100	2260.00	9.99	18.98	16.26	20.06	0.001673	4.82	590.04	105.56	0.53
Valle	14550	T=200	2710.00	9.99	19.77	17.04	21.03	0.001747	5.22	677.06	113.57	0.55
Valle	14521.16	T=50	1830.00	10.00	17.98	15.64	18.96	0.001858	4.64	502.06	89.83	0.55
Valle	14521.16	T=100	2260.00	10.00	18.80	16.43	20.00	0.001979	5.14	584.14	105.19	0.57
Valle	14521.16	T=200	2710.00	10.00	19.61	17.08	20.96	0.002013	5.52	672.55	113.73	0.59
Valle	14500.45	T=50	1830.00	9.94	17.92	15.66	18.92	0.001914	4.69	505.62	95.61	0.55
Valle	14500.45	T=100	2260.00	9.94	18.78	16.35	19.95	0.001956	5.10	591.80	104.74	0.57
Valle	14500.45	T=200	2710.00	9.94	19.59	16.69	20.91	0.001993	5.48	679.12	112.92	0.58
Valle	14475.56	T=50	1830.00	9.97	17.92	15.38	18.86	0.001678	4.50	518.37	99.93	0.52
Valle	14475.56	T=100	2260.00	9.97	18.80	16.10	19.88	0.001705	4.87	609.81	107.14	0.53
Valle	14475.56	T=200	2710.00	9.97	19.59	16.87	20.85	0.001777	5.28	698.30	120.10	0.55
Valle	14450.27	T=50	1830.00	9.99	17.92	15.36	18.80	0.001570	4.34	526.18	96.97	0.50
Valle	14450.27	T=100	2260.00	9.99	18.79	16.10	19.82	0.001620	4.74	617.14	109.36	0.52
Valle	14450.27	T=200	2710.00	9.99	19.58	16.74	20.78	0.001685	5.14	709.91	123.54	0.54
Valle	14425.12	T=50	1830.00	9.95	17.91	15.36	18.74	0.001493	4.19	536.55	100.24	0.49
Valle	14425.12	T=100	2260.00	9.95	18.80	16.06	19.76	0.001518	4.55	628.64	108.48	0.50
Valle	14425.12	T=200	2710.00	9.95	19.60	16.72	20.72	0.001572	4.93	724.58	124.05	0.52
Valle	14399.99	T=50	1830.00	9.91	17.94	15.14	18.68	0.001323	4.00	561.42	97.79	0.46
Valle	14399.99	T=100	2260.00	9.91	18.80	15.87	19.71	0.001390	4.40	652.94	113.84	0.48
Valle	14399.99	T=200	2710.00	9.91	19.62	16.51	20.66	0.001432	4.75	752.59	127.43	0.50
Valle	14374.7	T=50	1830.00	9.67	17.97	14.79	18.63	0.001092	3.75	593.30	98.40	0.42
Valle	14374.7	T=100	2260.00	9.67	18.83	15.45	19.65	0.001175	4.17	687.95	119.72	0.45
Valle	14374.7	T=200	2710.00	9.67	19.66	16.07	20.59	0.001212	4.49	790.93	130.19	0.46
Valle	14349.63	T=50	1830.00	9.68	17.96	14.71	18.59	0.001090	3.69	606.93	101.37	0.42
Valle	14349.63	T=100	2260.00	9.68	18.83	15.35	19.61	0.001162	4.10	704.63	122.76	0.44
Valle	14349.63	T=200	2710.00	9.68	19.65	15.95	20.55	0.001209	4.44	811.51	137.12	0.46
Valle	14300	T=50	1830.00	9.70	17.97	14.47	18.52	0.000933	3.46	668.44	116.36	0.39
Valle	14300	T=100	2260.00	9.70	18.86	15.07	19.52	0.000977	3.80	776.19	123.73	0.41
Valle	14300	T=200	2710.00	9.70	19.69	15.69	20.46	0.001019	4.12	882.77	136.08	0.42
Valle	14251.39	T=50	1830.00	9.44	17.97	14.03	18.45	0.000753	3.17	698.60	120.20	0.35
Valle	14251.39	T=100	2260.00	9.44	18.88	14.64	19.45	0.000781	3.47	810.60	126.18	0.37
Valle	14251.39	T=200	2710.00	9.44	19.71	15.23	20.38	0.000828	3.78	921.71	149.43	0.38
Valle	14224.5	T=50	1830.00	9.31	17.97	13.87	18.43	0.000699	3.11	731.36	124.87	0.34
Valle	14224.5	T=100	2260.00	9.31	18.88	14.48	19.42	0.000730	3.41	848.27	132.08	0.36
Valle	14224.5	T=200	2710.00	9.31	19.71	15.05	20.35	0.000778	3.72	965.98	156.51	0.37
Valle	14193.88	T=50	1830.00	9.53	17.94	14.17	18.40	0.000756	3.17	733.84	124.59	0.35
Valle	14193.88	T=100	2260.00	9.53	18.85	14.80	19.40	0.000783	3.46	849.93	131.71	0.37
Valle	14193.88	T=200	2710.00	9.53	19.65	15.36	20.32	0.000864	3.85	967.83	173.22	0.39

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	14172	T=50	1830.00	9.46	17.89	14.37	18.38	0.000850	3.26	706.78	126.67	0.37
Valle	14172	T=100	2260.00	9.46	18.81	14.93	19.38	0.000858	3.52	824.33	130.26	0.38
Valle	14172	T=200	2710.00	9.46	19.62	15.64	20.30	0.000922	3.88	935.23	155.51	0.40
Valle	14150	T=50	1830.00	9.24	17.87	14.40	18.36	0.000874	3.30	735.88	152.99	0.38
Valle	14150	T=100	2260.00	9.24	18.80	15.03	19.35	0.000851	3.51	880.15	154.71	0.38
Valle	14150	T=200	2710.00	9.24	19.65	15.65	20.26	0.000861	3.75	1012.37	161.58	0.39
Valle	14122.54	T=50	1830.00	9.56	17.84	14.51	18.34	0.000975	3.38	752.75	159.94	0.39
Valle	14122.54	T=100	2260.00	9.56	18.78	15.34	19.33	0.000930	3.57	906.81	166.11	0.39
Valle	14122.54	T=200	2710.00	9.56	19.63	16.13	20.23	0.000923	3.80	1051.60	174.65	0.40
Valle	14090.99	T=50	1830.00	9.12	17.78	15.02	18.30	0.001139	3.50	742.31	158.57	0.42
Valle	14090.99	T=100	2260.00	9.12	18.73	15.42	19.29	0.001064	3.68	895.69	164.99	0.42
Valle	14090.99	T=200	2710.00	9.12	19.59	16.43	20.20	0.001029	3.88	1041.77	171.01	0.42
Valle	14050	T=50	1830.00	9.18	17.66	15.29	18.25	0.001220	3.69	686.27	141.98	0.43
Valle	14050	T=100	2260.00	9.18	18.59	15.93	19.24	0.001169	3.91	821.33	147.02	0.43
Valle	14050	T=200	2710.00	9.18	19.42	16.51	20.15	0.001170	4.17	953.08	165.73	0.44
Valle	14015.13	T=50	1830.00	9.18	17.70	14.85	18.18	0.000962	3.27	736.12	145.58	0.38
Valle	14015.13	T=100	2260.00	9.18	18.63	15.47	19.17	0.000942	3.50	875.82	153.97	0.39
Valle	14015.13	T=200	2710.00	9.18	19.48	16.01	20.07	0.000933	3.72	1007.60	157.38	0.39
Valle	13970.09	T=50	1830.00	9.28	17.67	15.20	18.13	0.000975	3.26	797.50	170.54	0.39
Valle	13970.09	T=100	2260.00	9.28	18.63	15.75	19.11	0.000907	3.42	964.98	178.65	0.38
Valle	13970.09	T=200	2710.00	9.28	19.49	16.29	20.01	0.000870	3.58	1119.99	181.17	0.38
Valle	13938.06	T=50	1830.00	9.45	17.60	15.45	18.09	0.001110	3.39	792.16	190.18	0.42
Valle	13938.06	T=100	2260.00	9.45	18.59	15.94	19.08	0.000977	3.48	984.15	198.76	0.40
Valle	13938.06	T=200	2710.00	9.45	19.46	16.52	19.98	0.000913	3.61	1160.29	204.88	0.39
Valle	13908.91	T=50	1830.00	9.53	17.55	15.44	18.06	0.001166	3.42	771.44	187.70	0.42
Valle	13908.91	T=100	2260.00	9.53	18.53	16.05	19.05	0.001033	3.53	966.17	206.43	0.41
Valle	13908.91	T=200	2710.00	9.53	19.42	16.54	19.95	0.000946	3.63	1152.49	212.96	0.40
Valle	13884.98	T=50	1830.00	9.13	17.57	15.25	18.01	0.000988	3.21	832.35	199.69	0.39
Valle	13884.98	T=100	2260.00	9.13	18.56	15.84	19.01	0.000874	3.30	1036.31	211.68	0.38
Valle	13884.98	T=200	2710.00	9.13	19.44	16.33	19.91	0.000821	3.44	1228.59	224.06	0.37
Valle	13856.93	T=50	1830.00	9.79	17.55	15.41	17.98	0.001025	3.20	862.03	206.90	0.40
Valle	13856.93	T=100	2260.00	9.79	18.55	15.91	18.97	0.000881	3.26	1072.69	212.91	0.38
Valle	13856.93	T=200	2710.00	9.79	19.45	16.39	19.88	0.000807	3.36	1263.54	214.96	0.37
Valle	13830	T=50	1830.00	8.49	17.58	14.53	17.93	0.000751	2.91	933.05	209.18	0.34
Valle	13830	T=100	2260.00	8.49	18.57	15.40	18.94	0.000678	3.01	1144.18	215.67	0.33
Valle	13830	T=200	2710.00	8.49	19.46	15.93	19.85	0.000646	3.14	1338.93	223.01	0.33
Valle	13800	T=50	1830.00	8.08	17.62	13.78	17.89	0.000530	2.52	1074.05	243.39	0.29
Valle	13800	T=100	2260.00	8.08	18.61	14.49	18.89	0.000485	2.62	1321.42	253.00	0.28
Valle	13800	T=200	2710.00	8.08	19.50	15.35	19.80	0.000466	2.74	1550.57	263.25	0.28
Valle	13783.29	T=50	1830.00	8.43	17.63	13.36	17.87	0.000461	2.36	1117.73	241.10	0.27
Valle	13783.29	T=100	2260.00	8.43	18.62	14.25	18.88	0.000429	2.47	1362.20	252.54	0.27
Valle	13783.29	T=200	2710.00	8.43	19.51	14.74	19.79	0.000416	2.59	1592.27	264.14	0.27
Valle	13767.3	T=50	1830.00	8.39	17.65	13.19	17.85	0.000396	2.18	1311.71	318.65	0.25
Valle	13767.3	T=100	2260.00	8.39	18.65	13.44	18.86	0.000364	2.27	1649.83	364.76	0.25
Valle	13767.3	T=200	2710.00	8.39	19.55	14.43	19.76	0.000339	2.34	1994.54	392.65	0.24
Valle	13752.25	T=50	1830.00	8.27	17.66	12.92	17.84	0.000378	2.11	1249.63	237.63	0.25
Valle	13752.25	T=100	2260.00	8.27	18.65	13.46	18.85	0.000357	2.23	1490.09	247.15	0.24
Valle	13752.25	T=200	2710.00	8.27	19.53	13.74	19.76	0.000355	2.38	1716.79	264.63	0.25
Valle	13734.86	T=50	1830.00	8.26	17.55	13.34	17.82	0.000567	2.50	970.60	195.40	0.30
Valle	13734.86	T=100	2260.00	8.26	18.53	14.10	18.83	0.000538	2.65	1169.94	212.13	0.30
Valle	13734.86	T=200	2710.00	8.26	19.40	14.79	19.74	0.000532	2.82	1364.22	233.93	0.30
Valle	13710.16	T=50	1830.00	8.51	17.44	13.52	17.80	0.000797	2.88	864.46	217.94	0.35
Valle	13710.16	T=100	2260.00	8.51	18.41	14.40	18.81	0.000746	3.04	1106.29	273.54	0.35
Valle	13710.16	T=200	2710.00	8.51	19.31	14.99	19.72	0.000683	3.13	1386.19	341.84	0.34
Valle	13679.59	T=50	1830.00	8.45	17.37	14.02	17.77	0.000840	3.00	812.35	169.17	0.36
Valle	13679.59	T=100	2260.00	8.45	18.34	14.71	18.78	0.000801	3.20	984.52	188.20	0.36
Valle	13679.59	T=200	2710.00	8.45	19.20	15.20	19.68	0.000784	3.39	1152.23	202.86	0.36
Valle	13650	T=50	1830.00	8.42	17.26	13.98	17.74	0.000969	3.24	728.76	150.34	0.39
Valle	13650	T=100	2260.00	8.42	18.21	14.72	18.74	0.000930	3.45	880.08	167.20	0.39
Valle	13650	T=200	2710.00	8.42	19.06	15.16	19.65	0.000915	3.66	1026.88	178.50	0.39
Valle	13630.1	T=50	1830.00	8.41	17.09	14.19	17.70	0.001240	3.67	649.10	135.99	0.44
Valle	13630.1	T=100	2260.00	8.41	18.01	14.92	18.71	0.001218	3.95	781.65	156.87	0.44

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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 #	Chi
Valle	13630.1	T=200	2710.00	8.41	18.84	15.18	19.61	0.001207	4.19	920.70	175.86		0.45
Valle	13606.86	T=50	1830.00	8.25	16.90	14.48	17.65	0.001573	4.03	577.54	127.54		0.49
Valle	13606.86	T=100	2260.00	8.25	17.83	15.10	18.66	0.001503	4.29	700.52	143.98		0.49
Valle	13606.86	T=200	2710.00	8.25	18.64	15.78	19.56	0.001485	4.56	828.56	165.32		0.50
Valle	13581.61	T=50	1830.00	8.24	16.72	14.82	17.59	0.002175	4.59	567.80	136.29		0.57
Valle	13581.61	T=100	2260.00	8.24	17.68	15.60	18.61	0.001975	4.79	712.15	170.98		0.56
Valle	13581.61	T=200	2710.00	8.24	18.58	16.21	19.52	0.001791	4.92	869.01	178.35		0.54
Valle	13549.57	T=50	1830.00	8.92	16.95	14.36	17.41	0.001386	3.74	912.25	285.05		0.46
Valle	13549.57	T=100	2260.00	8.92	18.00	14.77	18.40	0.001086	3.65	1230.59	318.39		0.42
Valle	13549.57	T=200	2710.00	8.92	18.93	15.71	19.31	0.000917	3.61	1537.56	335.60		0.39
Valle	13500	T=50	1830.00	9.08	16.99	14.09	17.32	0.000869	3.18	1068.11	253.32		0.37
Valle	13500	T=100	2260.00	9.08	18.01	14.50	18.34	0.000753	3.23	1341.47	286.79		0.36
Valle	13500	T=200	2710.00	9.08	18.93	15.33	19.26	0.000685	3.30	1615.11	308.40		0.35
Valle	13450	T=50	1830.00	9.13	17.05	13.48	17.25	0.000533	2.56	1363.80	268.98		0.30
Valle	13450	T=100	2260.00	9.13	18.07	13.76	18.27	0.000480	2.64	1647.84	288.12		0.29
Valle	13450	T=200	2710.00	9.13	18.98	14.35	19.19	0.000458	2.76	1919.92	313.56		0.28
Valle	13400	T=50	1830.00	8.30	17.06	12.62	17.21	0.000387	2.32	1484.64	259.72		0.26
Valle	13400	T=100	2260.00	8.30	18.07	13.20	18.24	0.000374	2.46	1754.18	274.72		0.26
Valle	13400	T=200	2710.00	8.30	18.98	13.46	19.17	0.000368	2.59	2008.30	284.05		0.26
Valle	13350	T=50	1830.00	8.02	17.08	11.78	17.18	0.000259	1.92	1701.87	245.67		0.21
Valle	13350	T=100	2260.00	8.02	18.09	12.17	18.21	0.000263	2.09	1954.97	254.83		0.22
Valle	13350	T=200	2710.00	8.02	19.00	12.53	19.13	0.000269	2.24	2188.73	258.84		0.22
Valle	13324.55	T=50	1830.00	8.20	17.06	11.95	17.17	0.000298	2.00	1620.15	245.59		0.22
Valle	13324.55	T=100	2260.00	8.20	18.07	12.37	18.20	0.000296	2.15	1871.69	251.51		0.23
Valle	13324.55	T=200	2710.00	8.20	18.98	12.68	19.13	0.000305	2.33	2104.41	260.76		0.23
Valle	13299.47	T=50	1830.00	8.19	17.04	12.02	17.17	0.000334	2.11	1570.24	245.20		0.24
Valle	13299.47	T=100	2260.00	8.19	18.05	12.44	18.19	0.000324	2.25	1819.49	247.16		0.24
Valle	13299.47	T=200	2710.00	8.19	18.96	12.84	19.12	0.000326	2.40	2044.90	249.23		0.24
Valle	13250	T=50	1830.00	7.79	17.02	12.65	17.15	0.000360	2.28	1614.23	268.01		0.25
Valle	13250	T=100	2260.00	7.79	18.03	13.33	18.18	0.000344	2.40	1889.43	273.53		0.25
Valle	13250	T=200	2710.00	7.79	18.95	13.70	19.10	0.000343	2.54	2142.15	285.00		0.25
Valle	13200	T=50	1830.00	8.08	17.01	11.51	17.12	0.000344	2.17	1622.96	244.36		0.24
Valle	13200	T=100	2260.00	8.08	18.03	12.61	18.15	0.000339	2.32	1873.80	253.55		0.24
Valle	13200	T=200	2710.00	8.08	18.94	13.00	19.08	0.000342	2.48	2117.52	273.20		0.25
Valle	13150	T=50	1830.00	7.92	16.99	11.21	17.10	0.000402	2.34	1512.55	224.78		0.26
Valle	13150	T=100	2260.00	7.92	18.00	12.47	18.13	0.000400	2.52	1743.60	231.70		0.26
Valle	13150	T=200	2710.00	7.92	18.90	12.84	19.06	0.000411	2.71	1956.37	239.94		0.27
Valle	13100	T=50	1830.00	8.14	16.92	11.51	17.08	0.000453	2.47	1317.14	208.49		0.27
Valle	13100	T=100	2260.00	8.14	17.92	11.94	18.11	0.000456	2.68	1535.29	225.24		0.28
Valle	13100	T=200	2710.00	8.14	18.82	12.40	19.03	0.000468	2.89	1742.36	237.32		0.29
Valle	13050	T=50	1830.00	7.35	16.81	12.25	17.05	0.000507	2.61	1117.15	183.40		0.29
Valle	13050	T=100	2260.00	7.35	17.79	12.88	18.07	0.000517	2.83	1309.28	207.63		0.30
Valle	13050	T=200	2710.00	7.35	18.68	13.34	19.00	0.000521	3.03	1501.18	220.10		0.30
Valle	13023.7	T=50	1830.00	7.30	16.63	12.92	17.02	0.000719	3.14	884.86	155.79		0.35
Valle	13023.7	T=100	2260.00	7.30	17.59	13.45	18.04	0.000732	3.41	1044.58	178.02		0.36
Valle	13023.7	T=200	2710.00	7.30	18.45	14.01	18.96	0.000759	3.68	1208.49	206.62		0.37
Valle	12994	T=50	1830.00	7.54	16.42	13.25	16.97	0.001011	3.67	742.45	145.87		0.41
Valle	12994	T=100	2260.00	7.54	17.37	13.82	18.00	0.001020	3.97	892.87	174.53		0.42
Valle	12994	T=200	2710.00	7.54	18.19	14.39	18.91	0.001069	4.30	1055.38	218.62		0.43
Valle	12950	T=50	1830.00	6.95	16.35	13.23	16.93	0.000987	3.76	792.30	173.21		0.41
Valle	12950	T=100	2260.00	6.95	17.32	13.69	17.95	0.000973	4.01	970.13	199.56		0.41
Valle	12950	T=200	2710.00	6.95	18.17	14.60	18.85	0.000979	4.25	1149.50	227.39		0.42
Valle	12900	T=50	1830.00	6.99	16.19	13.34	16.87	0.001133	3.92	696.39	159.74		0.43
Valle	12900	T=100	2260.00	6.99	17.16	14.16	17.89	0.001107	4.17	867.57	193.70		0.43
Valle	12900	T=200	2710.00	6.99	18.03	14.78	18.80	0.001077	4.36	1047.92	225.42		0.44
Valle	12850	T=50	1830.00	7.10	16.11	13.29	16.80	0.001266	4.05	696.67	154.62		0.45
Valle	12850	T=100	2260.00	7.10	17.08	13.74	17.83	0.001231	4.31	856.24	190.16		0.46
Valle	12850	T=200	2710.00	7.10	17.95	14.45	18.74	0.001190	4.50	1063.10	283.61		0.46
Valle	12800	T=50	1830.00	6.68	16.13	12.77	16.71	0.001049	3.76	852.70	310.37		0.42
Valle	12800	T=100	2260.00	6.68	17.19	13.89	17.71	0.000864	3.69	1217.69	384.30		0.39
Valle	12800	T=200	2710.00	6.68	18.11	14.24	18.60	0.000784	3.75	1614.38	471.91		0.37
Valle	12750	T=50	1830.00	7.14	16.05	12.64	16.66	0.000998	3.71	723.05	211.16		0.41

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	12750	T=100	2260.00	7.14	16.98	13.54	17.66	0.000995	3.97	942.98	248.71	0.42
Valle	12750	T=200	2710.00	7.14	17.85	14.24	18.54	0.000947	4.11	1179.19	307.41	0.41
Valle	12700	T=50	1830.00	6.49	16.11	11.86	16.58	0.000698	3.19	746.48	133.07	0.34
Valle	12700	T=100	2260.00	6.49	17.02	12.48	17.58	0.000733	3.49	875.81	155.14	0.36
Valle	12700	T=200	2710.00	6.49	17.84	13.24	18.48	0.000774	3.78	1015.62	193.23	0.37
Valle	12650	T=50	1830.00	6.00	16.16	11.03	16.51	0.000480	2.72	818.23	135.15	0.29
Valle	12650	T=100	2260.00	6.00	17.08	11.65	17.51	0.000516	3.01	954.77	161.40	0.30
Valle	12650	T=200	2710.00	6.00	17.91	12.25	18.40	0.000551	3.27	1100.23	186.33	0.32
Valle	12600	T=50	1830.00	6.74	16.20	10.95	16.46	0.000368	2.35	925.66	146.01	0.25
Valle	12600	T=100	2260.00	6.74	17.13	11.50	17.45	0.000392	2.59	1070.92	164.07	0.26
Valle	12600	T=200	2710.00	6.74	17.97	12.04	18.34	0.000420	2.83	1215.18	182.55	0.28
Valle	12550	T=50	1830.00	6.33	16.24	10.38	16.42	0.000243	1.92	1057.94	152.50	0.20
Valle	12550	T=100	2260.00	6.33	17.19	10.86	17.41	0.000263	2.13	1208.16	170.02	0.22
Valle	12550	T=200	2710.00	6.33	18.03	11.35	18.29	0.000283	2.33	1356.79	181.55	0.23
Valle	12500	T=50	1830.00	5.94	16.24	10.16	16.41	0.000222	1.88	1130.76	162.53	0.20
Valle	12500	T=100	2260.00	5.94	17.18	10.67	17.39	0.000241	2.09	1287.74	172.02	0.21
Valle	12500	T=200	2710.00	5.94	18.03	11.16	18.27	0.000261	2.29	1436.88	182.82	0.22
Valle	12450	T=50	1830.00	5.75	16.19	10.09	16.39	0.000261	2.06	1013.97	139.64	0.21
Valle	12450	T=100	2260.00	5.75	17.12	10.65	17.37	0.000286	2.30	1151.16	158.61	0.23
Valle	12450	T=200	2710.00	5.75	17.95	11.17	18.25	0.000312	2.52	1289.02	172.56	0.24
Valle	12400	T=50	1830.00	5.63	15.96	11.38	16.36	0.000563	2.91	801.86	144.43	0.31
Valle	12400	T=100	2260.00	5.63	16.87	12.09	17.33	0.000598	3.20	938.40	156.81	0.32
Valle	12400	T=200	2710.00	5.63	17.67	12.74	18.21	0.000639	3.48	1067.96	165.73	0.34
Valle	12350	T=50	1830.00	5.73	15.36	12.82	16.26	0.001486	4.56	586.44	135.76	0.50
Valle	12350	T=100	2260.00	5.73	16.19	13.47	17.23	0.001565	4.97	710.05	160.21	0.52
Valle	12350	T=200	2710.00	5.73	16.97	14.34	18.10	0.001586	5.28	838.75	167.32	0.53
Valle	12300	T=50	1830.00	5.60	15.53	11.57	16.11	0.000857	3.57	698.58	138.77	0.38
Valle	12300	T=100	2260.00	5.60	16.38	12.41	17.06	0.000924	3.93	825.43	161.66	0.40
Valle	12300	T=200	2710.00	5.60	17.15	13.24	17.94	0.000986	4.27	958.67	179.18	0.42
Valle	12250	T=50	1830.00	5.77	15.51	11.43	16.06	0.000850	3.42	674.91	138.99	0.37
Valle	12250	T=100	2260.00	5.77	16.35	12.14	17.01	0.000913	3.77	803.17	169.30	0.39
Valle	12250	T=200	2710.00	5.77	17.13	12.45	17.88	0.000959	4.08	950.16	200.39	0.41
Valle	12200	T=50	1830.00	5.70	15.53	10.68	16.00	0.000610	3.13	709.83	130.06	0.32
Valle	12200	T=100	2260.00	5.70	16.37	11.37	16.95	0.000672	3.48	821.37	135.30	0.35
Valle	12200	T=200	2710.00	5.70	17.14	12.10	17.81	0.000733	3.81	926.76	139.25	0.37
Valle	12174.76	T=50	1830.00	5.67	15.53	10.66	15.98	0.000592	3.01	709.16	123.37	0.32
Valle	12174.76	T=100	2260.00	5.67	16.38	11.34	16.92	0.000655	3.36	815.62	130.08	0.34
Valle	12174.76	T=200	2710.00	5.67	17.14	11.95	17.79	0.000716	3.69	917.52	136.47	0.36
Valle	12148.17	T=50	1830.00	5.76	15.56	10.39	15.94	0.000503	2.78	754.52	116.89	0.29
Valle	12148.17	T=100	2260.00	5.76	16.41	11.06	16.88	0.000561	3.11	857.11	125.14	0.31
Valle	12148.17	T=200	2710.00	5.76	17.18	11.69	17.75	0.000617	3.43	956.26	132.18	0.33
Valle	12101.3	T=50	1830.00	5.82	15.45	10.68	15.91	0.000669	3.20	727.46	106.76	0.34
Valle	12101.3	T=100	2260.00	5.82	16.24	11.34	16.84	0.000774	3.64	824.91	132.13	0.37
Valle	12101.3	T=200	2710.00	5.82	16.99	11.97	17.70	0.000846	4.00	924.92	135.72	0.39
Valle	12075.52	T=50	1830.00	5.77	15.42	10.98	15.89	0.000717	3.28	762.39	130.70	0.35
Valle	12075.52	T=100	2260.00	5.77	16.24	11.61	16.81	0.000793	3.66	882.75	162.47	0.37
Valle	12075.52	T=200	2710.00	5.77	16.99	12.25	17.67	0.000860	4.00	1006.70	167.88	0.39
Valle	12050	T=50	1830.00	5.69	15.35	11.36	15.87	0.000817	3.50	802.45	171.70	0.37
Valle	12050	T=100	2260.00	5.69	16.19	12.09	16.79	0.000869	3.83	957.18	206.28	0.39
Valle	12050	T=200	2710.00	5.69	16.98	12.75	17.64	0.000893	4.09	1127.59	219.87	0.40
Valle	12000	T=50	1830.00	5.91	15.45	11.23	15.77	0.000637	3.16	1188.35	289.13	0.33
Valle	12000	T=100	2260.00	5.91	16.32	11.83	16.68	0.000658	3.41	1452.31	316.99	0.34
Valle	12000	T=200	2710.00	5.91	17.16	12.60	17.51	0.000613	3.47	1720.50	320.72	0.33
Valle	11950	T=50	1830.00	5.79	15.44	11.95	15.73	0.000694	2.94	1118.40	229.13	0.33
Valle	11950	T=100	2260.00	5.79	16.32	12.43	16.63	0.000679	3.12	1326.40	240.44	0.33
Valle	11950	T=200	2710.00	5.79	17.14	12.86	17.47	0.000675	3.30	1525.60	248.91	0.34
Valle	11900	T=50	1830.00	6.90	15.32	12.25	15.68	0.000766	2.93	908.10	208.01	0.35
Valle	11900	T=100	2260.00	6.90	16.17	12.81	16.58	0.000770	3.16	1094.28	224.19	0.35
Valle	11900	T=200	2710.00	6.90	16.99	13.27	17.43	0.000742	3.31	1279.90	228.90	0.35
Valle	11850	T=50	1830.00	5.80	15.35	10.76	15.63	0.000510	2.57	1043.60	211.60	0.29
Valle	11850	T=100	2260.00	5.80	16.21	11.47	16.52	0.000522	2.78	1234.33	227.06	0.30
Valle	11850	T=200	2710.00	5.80	17.02	11.98	17.37	0.000524	2.96	1420.07	229.17	0.30



HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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 #	Chi
Valle	11800	T=50	1830.00	5.18	15.32	10.41	15.60	0.000435	2.53	1070.97	227.10		0.27
Valle	11800	T=100	2260.00	5.18	16.18	11.08	16.50	0.000450	2.74	1269.25	232.69		0.28
Valle	11800	T=200	2710.00	5.18	17.00	11.80	17.34	0.000460	2.92	1459.87	236.13		0.29
Valle	11750	T=50	1830.00	5.17	15.31	9.98	15.58	0.000388	2.49	1096.57	228.99		0.26
Valle	11750	T=100	2260.00	5.17	16.17	10.59	16.48	0.000408	2.71	1295.66	234.71		0.27
Valle	11750	T=200	2710.00	5.17	16.98	11.34	17.32	0.000423	2.90	1487.05	237.11		0.28
Valle	11700	T=50	1830.00	5.06	15.36	9.14	15.54	0.000237	2.02	1311.44	256.33		0.20
Valle	11700	T=100	2260.00	5.06	16.22	9.76	16.43	0.000254	2.21	1536.51	264.10		0.22
Valle	11700	T=200	2710.00	5.06	17.03	10.27	17.27	0.000267	2.38	1753.86	269.47		0.22
Valle	11650	T=50	1830.00	4.92	15.39	8.62	15.51	0.000155	1.65	1663.11	281.23		0.17
Valle	11650	T=100	2260.00	4.92	16.26	9.10	16.40	0.000167	1.81	1910.63	288.45		0.18
Valle	11650	T=200	2710.00	4.92	17.08	9.56	17.24	0.000178	1.96	2148.71	291.45		0.18
Valle	11620.92	T=50	1830.00	4.92	15.36	9.16	15.50	0.000200	1.83	1490.62	279.01		0.19
Valle	11620.92	T=100	2260.00	4.92	16.22	9.67	16.39	0.000212	2.00	1735.02	283.58		0.20
Valle	11620.92	T=200	2710.00	4.92	17.04	10.12	17.23	0.000223	2.15	1968.33	287.57		0.20
Valle	11600	T=50	1830.00	5.13	15.34	9.37	15.50	0.000223	1.87	1435.40	276.07		0.20
Valle	11600	T=100	2260.00	5.13	16.21	9.90	16.38	0.000235	2.04	1677.70	282.63		0.20
Valle	11600	T=200	2710.00	5.13	17.03	10.44	17.22	0.000245	2.19	1909.85	285.40		0.21
Valle	11582.21	T=50	1830.00	7.59	15.29	11.26	15.49	0.000394	2.11	1196.87	263.03		0.25
Valle	11582.21	T=100	2260.00	7.59	16.16	11.74	16.38	0.000382	2.24	1427.05	266.32		0.25
Valle	11582.21	T=200	2710.00	7.59	16.98	12.17	17.21	0.000378	2.38	1648.98	276.52		0.25
Valle	11570		Bridge										
Valle	11567.88	T=50	1830.00	6.33	15.29	10.90	15.47	0.000349	2.03	1204.50	244.30		0.24
Valle	11567.88	T=100	2260.00	6.33	16.15	11.38	16.36	0.000348	2.18	1417.74	248.57		0.24
Valle	11567.88	T=200	2710.00	6.33	16.96	11.80	17.20	0.000351	2.33	1625.68	259.30		0.25
Valle	11550	T=50	1830.00	4.73	15.30	9.37	15.46	0.000228	1.88	1285.42	222.90		0.20
Valle	11550	T=100	2260.00	4.73	16.16	9.89	16.35	0.000246	2.07	1479.20	227.58		0.21
Valle	11550	T=200	2710.00	4.73	16.97	10.37	17.19	0.000262	2.25	1665.47	232.74		0.22
Valle	11500	T=50	1830.00	4.92	15.21	9.98	15.44	0.000344	2.23	1049.59	172.83		0.24
Valle	11500	T=100	2260.00	4.92	16.05	10.48	16.33	0.000375	2.47	1197.72	179.31		0.25
Valle	11500	T=200	2710.00	4.92	16.84	10.97	17.16	0.000403	2.70	1341.28	187.11		0.27
Valle	11450	T=50	1830.00	4.82	15.00	10.90	15.40	0.000626	3.19	932.84	168.19		0.33
Valle	11450	T=100	2260.00	4.82	15.81	11.54	16.28	0.000680	3.51	1072.26	175.37		0.35
Valle	11450	T=200	2710.00	4.82	16.58	12.44	17.11	0.000727	3.80	1210.01	182.81		0.36
Valle	11400	T=50	1830.00	4.72	15.08	10.52	15.33	0.000407	2.50	1148.06	214.82		0.26
Valle	11400	T=100	2260.00	4.72	15.91	11.07	16.20	0.000436	2.73	1330.94	226.61		0.28
Valle	11400	T=200	2710.00	4.72	16.69	11.74	17.03	0.000458	2.95	1512.78	237.08		0.29
Valle	11350	T=50	1830.00	4.89	14.96	11.41	15.30	0.000654	3.03	1055.00	219.94		0.33
Valle	11350	T=100	2260.00	4.89	15.79	11.88	16.17	0.000679	3.28	1243.58	235.95		0.34
Valle	11350	T=200	2710.00	4.89	16.58	12.82	16.99	0.000686	3.48	1435.78	247.43		0.35
Valle	11300	T=50	1830.00	4.83	15.01	10.04	15.24	0.000352	2.40	1217.94	226.38		0.25
Valle	11300	T=100	2260.00	4.83	15.84	10.60	16.11	0.000387	2.66	1413.79	249.61		0.26
Valle	11300	T=200	2710.00	4.83	16.63	11.38	16.94	0.000404	2.85	1614.12	258.64		0.27
Valle	11250	T=50	1830.00	4.68	15.08	8.39	15.20	0.000151	1.60	1446.62	201.59		0.16
Valle	11250	T=100	2260.00	4.68	15.92	8.87	16.06	0.000172	1.80	1621.25	214.64		0.18
Valle	11250	T=200	2710.00	4.68	16.71	9.28	16.88	0.000190	1.98	1796.21	226.81		0.19
Valle	11225.57	T=50	1830.00	4.68	15.03	8.91	15.19	0.000217	1.88	1309.35	193.16		0.19
Valle	11225.57	T=100	2260.00	4.68	15.86	9.53	16.05	0.000242	2.10	1471.06	198.01		0.21
Valle	11225.57	T=200	2710.00	4.68	16.64	10.08	16.87	0.000267	2.32	1628.97	206.76		0.22
Valle	11199.59	T=50	1830.00	4.61	14.97	9.67	15.18	0.000317	2.26	1174.96	174.14		0.23
Valle	11199.59	T=100	2260.00	4.61	15.78	10.28	16.04	0.000355	2.53	1318.29	179.96		0.25
Valle	11199.59	T=200	2710.00	4.61	16.55	10.83	16.86	0.000389	2.78	1458.85	185.70		0.27
Valle	11150	T=50	1830.00	4.70	14.97	9.41	15.15	0.000391	2.36	1210.58	158.98		0.25
Valle	11150	T=100	2260.00	4.70	15.78	9.94	16.01	0.000439	2.66	1341.21	163.46		0.27
Valle	11150	T=200	2710.00	4.70	16.55	10.39	16.83	0.000485	2.94	1468.13	168.17		0.29
Valle	11100	T=50	1830.00	6.13	14.76	10.70	15.11	0.000839	3.28	939.26	152.34		0.37
Valle	11100	T=100	2260.00	6.13	15.55	11.25	15.96	0.000901	3.61	1060.50	156.35		0.39
Valle	11100	T=200	2710.00	6.13	16.28	11.66	16.77	0.000973	3.96	1177.00	162.94		0.41
Valle	11050.46	T=50	1830.00	5.59	14.34	10.81	15.02	0.001512	4.42	754.14	165.14		0.49
Valle	11050.46	T=100	2260.00	5.59	15.14	11.50	15.88	0.001515	4.70	886.95	169.25		0.50
Valle	11050.46	T=200	2710.00	5.59	15.89	12.16	16.69	0.001514	4.96	1015.82	172.04		0.51
Valle	11025.23	T=50	1830.00	5.61	14.35	10.70	14.97	0.001338	4.02	749.81	165.17		0.46

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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 # Chi
Valle	11025.23	T=100	2260.00	5.61	15.14	11.33	15.82	0.001348	4.30	882.54	170.32	0.47
Valle	11025.23	T=200	2710.00	5.61	15.89	12.03	16.64	0.001350	4.55	1011.82	173.30	0.48
Valle	11000	T=50	1830.00	4.78	14.34	11.03	14.93	0.001202	3.76	750.00	168.16	0.43
Valle	11000	T=100	2260.00	4.78	15.14	11.62	15.78	0.001210	4.03	885.44	172.73	0.44
Valle	11000	T=200	2710.00	4.78	15.89	12.24	16.59	0.001213	4.27	1016.37	175.00	0.45
Valle	10961.54	T=50	1830.00	4.68	14.46	10.21	14.83	0.000598	2.88	870.61	174.91	0.32
Valle	10961.54	T=100	2260.00	4.68	15.24	10.78	15.69	0.000640	3.16	1011.06	181.83	0.33
Valle	10961.54	T=200	2710.00	4.68	15.99	11.25	16.50	0.000671	3.41	1148.69	185.11	0.34
Valle	10925.17	T=50	1830.00	7.49	14.38	11.57	14.80	0.001076	3.32	865.14	189.31	0.41
Valle	10925.17	T=100	2260.00	7.49	15.18	12.04	15.65	0.001060	3.56	1023.42	204.11	0.41
Valle	10925.17	T=200	2710.00	7.49	15.95	12.50	16.47	0.001038	3.75	1184.02	214.33	0.42
Valle	10920		Bridge									
Valle	10916.08	T=50	1830.00	7.44	14.35	11.69	14.77	0.001016	3.23	842.63	182.43	0.40
Valle	10916.08	T=100	2260.00	7.44	15.13	12.10	15.61	0.001026	3.49	990.87	197.30	0.41
Valle	10916.08	T=200	2710.00	7.44	15.89	12.57	16.42	0.001022	3.72	1145.11	210.65	0.41
Valle	10886.42	T=50	1830.00	4.63	14.26	10.72	14.73	0.000839	3.22	762.51	160.56	0.37
Valle	10886.42	T=100	2260.00	4.63	15.03	11.52	15.58	0.000882	3.51	887.72	164.55	0.38
Valle	10886.42	T=200	2710.00	4.63	15.76	11.95	16.38	0.000921	3.79	1009.86	170.11	0.40
Valle	10850	T=50	1830.00	5.84	13.80	12.07	14.65	0.001999	4.58	619.06	146.43	0.56
Valle	10850	T=100	2260.00	5.84	14.54	13.01	15.49	0.002010	4.92	730.22	153.11	0.57
Valle	10850	T=200	2710.00	5.84	15.25	13.48	16.29	0.002006	5.21	842.04	158.66	0.57
Valle	10800	T=50	1830.00	5.36	13.71	12.09	14.55	0.001804	4.51	658.24	187.10	0.53
Valle	10800	T=100	2260.00	5.36	14.49	13.01	15.38	0.001762	4.77	807.86	206.16	0.53
Valle	10800	T=200	2710.00	5.36	15.23	13.58	16.17	0.001734	5.01	962.98	212.24	0.54
Valle	10750	T=50	1830.00	4.51	13.88	10.10	14.39	0.000826	3.34	749.92	161.55	0.37
Valle	10750	T=100	2260.00	4.51	14.62	10.76	15.23	0.000898	3.69	874.20	173.19	0.39
Valle	10750	T=200	2710.00	4.51	15.34	11.52	16.03	0.000948	3.98	1015.56	212.76	0.40
Valle	10700	T=50	1830.00	4.51	14.00	8.91	14.30	0.000428	2.53	956.12	174.04	0.27
Valle	10700	T=100	2260.00	4.51	14.77	9.52	15.12	0.000476	2.82	1095.38	193.96	0.29
Valle	10700	T=200	2710.00	4.51	15.50	10.06	15.91	0.000514	3.07	1240.92	204.38	0.30
Valle	10650	T=50	1830.00	4.22	14.09	8.03	14.24	0.000209	1.80	1251.02	215.66	0.19
Valle	10650	T=100	2260.00	4.22	14.87	8.53	15.06	0.000235	2.02	1422.28	222.29	0.20
Valle	10650	T=200	2710.00	4.22	15.61	9.03	15.84	0.000259	2.22	1590.66	232.96	0.22
Valle	10600	T=50	1830.00	4.39	14.10	7.56	14.22	0.000155	1.58	1383.93	226.21	0.16
Valle	10600	T=100	2260.00	4.39	14.89	8.00	15.04	0.000176	1.77	1567.73	239.39	0.18
Valle	10600	T=200	2710.00	4.39	15.63	8.42	15.81	0.000195	1.96	1752.77	255.26	0.19
Valle	10550	T=50	1830.00	4.17	14.09	8.18	14.21	0.000184	1.63	1381.73	234.72	0.18
Valle	10550	T=100	2260.00	4.17	14.88	8.60	15.03	0.000205	1.81	1569.94	243.80	0.19
Valle	10550	T=200	2710.00	4.17	15.62	9.03	15.80	0.000222	1.99	1754.82	250.54	0.20
Valle	10506.82	T=50	1830.00	4.42	14.03	8.59	14.20	0.000261	1.90	1236.03	259.64	0.21
Valle	10506.82	T=100	2260.00	4.42	14.81	9.05	15.01	0.000282	2.09	1445.70	276.72	0.22
Valle	10506.82	T=200	2710.00	4.42	15.56	9.52	15.79	0.000297	2.26	1656.77	288.62	0.23
Valle	10473.72	T=50	1830.00	4.36	13.91	9.33	14.18	0.000461	2.44	994.82	222.20	0.27
Valle	10473.72	T=100	2260.00	4.36	14.67	9.90	14.99	0.000492	2.68	1165.78	225.64	0.29
Valle	10473.72	T=200	2710.00	4.36	15.40	10.49	15.76	0.000517	2.89	1332.07	229.26	0.30
Valle	10440.09	T=50	1830.00	4.71	13.36	10.95	14.10	0.001518	3.91	558.47	166.76	0.48
Valle	10440.09	T=100	2260.00	4.71	14.03	11.59	14.90	0.001604	4.29	675.24	178.44	0.50
Valle	10440.09	T=200	2710.00	4.71	14.70	12.20	15.67	0.001629	4.58	797.15	183.84	0.51
Valle	10400	T=50	1830.00	4.49	12.97	10.96	14.00	0.002083	4.60	457.48	112.32	0.57
Valle	10400	T=100	2260.00	4.49	13.45	11.73	14.78	0.002457	5.23	514.83	123.23	0.62
Valle	10400	T=200	2710.00	4.49	13.88	12.39	15.52	0.002841	5.85	569.62	129.71	0.67
Valle	10350	T=50	1830.00	4.09	13.17	10.18	13.81	0.001200	3.61	586.53	138.46	0.43
Valle	10350	T=100	2260.00	4.09	13.73	10.80	14.53	0.001388	4.08	669.24	155.88	0.47
Valle	10350	T=200	2710.00	4.09	14.25	11.41	15.22	0.001560	4.52	752.56	164.21	0.50
Valle	10300	T=50	1830.00	5.82	13.13	10.79	13.73	0.001349	3.67	699.23	194.59	0.46
Valle	10300	T=100	2260.00	5.82	13.73	11.38	14.43	0.001433	4.01	817.50	196.67	0.48
Valle	10300	T=200	2710.00	5.82	14.30	11.82	15.09	0.001507	4.32	928.91	197.73	0.50
Valle	10250	T=50	1830.00	5.96	13.11	10.70	13.65	0.001340	3.56	767.54	203.01	0.45
Valle	10250	T=100	2260.00	5.96	13.72	11.20	14.33	0.001388	3.86	893.29	205.20	0.47
Valle	10250	T=200	2710.00	5.96	14.30	11.96	14.98	0.001439	4.14	1011.74	207.25	0.48
Valle	10200	T=50	1830.00	5.60	13.02	10.52	13.58	0.001341	3.63	761.27	196.81	0.45
Valle	10200	T=100	2260.00	5.60	13.62	11.10	14.26	0.001416	3.95	880.39	199.83	0.47

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	10200	T=200	2710.00	5.60	14.18	11.52	14.91	0.001488	4.26	993.10	202.59	0.49
Valle	10150	T=50	1830.00	4.62	12.97	10.30	13.51	0.001265	3.51	744.15	189.42	0.44
Valle	10150	T=100	2260.00	4.62	13.56	11.01	14.19	0.001348	3.84	856.94	191.25	0.46
Valle	10150	T=200	2710.00	4.62	14.11	11.15	14.83	0.001432	4.16	962.99	194.25	0.48
Valle	10100	T=50	1830.00	4.52	13.04	9.69	13.41	0.000786	2.81	814.76	183.54	0.35
Valle	10100	T=100	2260.00	4.52	13.63	10.24	14.08	0.000865	3.12	924.72	185.34	0.37
Valle	10100	T=200	2710.00	4.52	14.19	10.78	14.72	0.000939	3.41	1028.01	186.89	0.39
Valle	10050	T=50	1830.00	4.26	13.07	9.03	13.35	0.000538	2.41	911.72	181.51	0.29
Valle	10050	T=100	2260.00	4.26	13.67	9.56	14.01	0.000605	2.70	1021.65	185.16	0.31
Valle	10050	T=200	2710.00	4.26	14.23	10.09	14.64	0.000669	2.98	1125.93	187.22	0.33
Valle	10000	T=50	1830.00	6.15	12.88	10.59	13.30	0.001138	2.96	758.11	193.06	0.40
Valle	10000	T=100	2260.00	6.15	13.47	11.17	13.96	0.001187	3.24	873.37	197.12	0.42
Valle	10000	T=200	2710.00	6.15	14.02	11.62	14.58	0.001240	3.51	983.05	202.72	0.44
Valle	9991.231	T=50	1830.00	7.12	12.81	11.02	13.28	0.001454	3.19	718.74	196.62	0.45
Valle	9991.231	T=100	2260.00	7.12	13.40	11.48	13.94	0.001466	3.45	836.58	200.28	0.46
Valle	9991.231	T=200	2710.00	7.12	13.95	11.93	14.57	0.001488	3.70	948.04	202.79	0.47
Valle	9990		Bridge									
Valle	9984.021	T=50	1830.00	7.15	12.61	10.87	13.10	0.001518	3.24	711.50	196.21	0.46
Valle	9984.021	T=100	2260.00	7.15	13.20	11.32	13.75	0.001537	3.51	827.45	200.52	0.47
Valle	9984.021	T=200	2710.00	7.15	13.74	11.76	14.37	0.001561	3.76	937.46	203.19	0.49
Valle	9950	T=50	1830.00	3.82	12.70	9.43	13.01	0.000681	2.58	907.26	199.09	0.32
Valle	9950	T=100	2260.00	3.82	13.29	10.05	13.66	0.000752	2.87	1025.41	203.69	0.34
Valle	9950	T=200	2710.00	3.82	13.84	10.62	14.28	0.000820	3.15	1138.12	208.29	0.36
Valle	9900	T=50	1830.00	5.41	12.60	10.12	12.96	0.000930	2.89	843.44	193.69	0.37
Valle	9900	T=100	2260.00	5.41	13.17	10.60	13.61	0.001018	3.20	955.96	199.33	0.40
Valle	9900	T=200	2710.00	5.41	13.70	11.06	14.22	0.001097	3.50	1063.45	203.98	0.42
Valle	9850	T=50	1830.00	5.26	12.47	10.26	12.91	0.001143	3.21	792.50	181.49	0.41
Valle	9850	T=100	2260.00	5.26	13.01	10.74	13.55	0.001275	3.58	893.03	190.76	0.44
Valle	9850	T=200	2710.00	5.26	13.51	11.21	14.15	0.001390	3.93	990.65	196.43	0.47
Valle	9824.286	T=50	1830.00	5.56	12.32	10.64	12.86	0.001746	3.74	738.47	181.67	0.50
Valle	9824.286	T=100	2260.00	5.56	12.83	11.06	13.49	0.001940	4.18	834.06	192.82	0.54
Valle	9824.286	T=200	2710.00	5.56	13.31	11.48	14.09	0.002081	4.55	929.28	198.46	0.56
Valle	9800	T=50	1830.00	5.09	12.19	9.49	12.80	0.002304	4.26	724.04	183.00	0.57
Valle	9800	T=100	2260.00	5.09	12.70	11.17	13.43	0.002502	4.70	819.15	188.66	0.61
Valle	9800	T=200	2710.00	5.09	13.17	11.52	14.03	0.002707	5.14	908.69	194.82	0.64
Valle	9785.987	T=50	1830.00	4.74	11.96	10.98	12.74	0.003032	4.95	669.99	183.69	0.66
Valle	9785.987	T=100	2260.00	4.74	12.44	11.47	13.37	0.003310	5.46	759.38	189.92	0.70
Valle	9785.987	T=200	2710.00	4.74	12.89	11.81	13.96	0.003536	5.91	846.16	194.11	0.73
Valle	9776.982	T=50	1830.00	4.52	11.93	10.89	12.72	0.003115	4.95	674.32	189.47	0.66
Valle	9776.982	T=100	2260.00	4.52	12.43	11.37	13.33	0.003302	5.39	769.09	192.90	0.69
Valle	9776.982	T=200	2710.00	4.52	12.88	11.82	13.91	0.003503	5.83	858.24	196.43	0.72
Valle	9775		Bridge									
Valle	9770.507	T=50	1830.00	4.84	11.76	10.69	12.52	0.003176	4.93	675.21	187.71	0.67
Valle	9770.507	T=100	2260.00	4.84	12.24	11.18	13.13	0.003405	5.40	766.38	191.98	0.71
Valle	9770.507	T=200	2710.00	4.84	12.68	11.47	13.71	0.003630	5.85	852.73	195.70	0.74
Valle	9765.228	T=50	1830.00	5.11	11.75	10.53	12.50	0.003135	4.91	676.25	187.58	0.67
Valle	9765.228	T=100	2260.00	5.11	12.23	11.22	13.11	0.003350	5.37	767.49	190.96	0.70
Valle	9765.228	T=200	2710.00	5.11	12.66	11.71	13.69	0.003633	5.85	851.22	196.20	0.74
Valle	9750	T=50	1830.00	4.98	11.59	9.52	12.44	0.003452	5.14	655.55	195.74	0.70
Valle	9750	T=100	2260.00	4.98	12.03	11.19	13.04	0.003797	5.67	742.80	202.68	0.74
Valle	9750	T=200	2710.00	4.98	12.45	11.75	13.62	0.004081	6.16	829.88	209.79	0.78
Valle	9700	T=50	1830.00	4.92	11.68	9.55	12.24	0.001492	3.59	749.88	224.29	0.47
Valle	9700	T=100	2260.00	4.92	12.14	9.99	12.82	0.001672	4.00	854.79	233.33	0.51
Valle	9700	T=200	2710.00	4.92	12.58	10.46	13.37	0.001827	4.37	960.38	243.63	0.53
Valle	9650	T=50	1830.00	4.21	11.66	8.98	12.16	0.001139	3.55	854.42	230.92	0.42
Valle	9650	T=100	2260.00	4.21	12.10	9.42	12.73	0.001330	4.00	959.63	239.74	0.46
Valle	9650	T=200	2710.00	4.21	12.54	10.24	13.27	0.001495	4.40	1065.12	247.16	0.50
Valle	9600	T=50	1830.00	4.20	11.93	9.14	12.01	0.000315	1.80	2116.69	528.49	0.22
Valle	9600	T=100	2260.00	4.20	12.44	9.14	12.54	0.000348	1.99	2395.02	551.47	0.24
Valle	9600	T=200	2710.00	4.20	12.94	9.48	13.05	0.000377	2.17	2675.32	579.01	0.25
Valle	9573.793	T=50	1830.00	4.40	11.93	8.65	11.99	0.000291	1.67	2311.64	549.65	0.21

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	9573.793	T=100	2260.00	4.40	12.45	8.65	12.52	0.000317	1.83	2598.59	563.80	0.22
Valle	9573.793	T=200	2710.00	4.40	12.95	8.65	13.04	0.000341	1.99	2885.27	581.28	0.23
Valle	9550	T=50	1830.00	4.24	11.92	8.83	11.99	0.000282	1.70	2391.37	605.91	0.21
Valle	9550	T=100	2260.00	4.24	12.44	8.83	12.52	0.000299	1.85	2708.05	611.90	0.22
Valle	9550	T=200	2710.00	4.24	12.94	8.89	13.03	0.000313	1.97	3016.52	616.97	0.23
Valle	9528.974	T=50	1830.00	4.47	11.93	8.93	11.98	0.000209	1.50	2676.71	599.57	0.18
Valle	9528.974	T=100	2260.00	4.47	12.45	9.05	12.50	0.000229	1.65	2989.42	605.41	0.19
Valle	9528.974	T=200	2710.00	4.47	12.95	9.05	13.01	0.000246	1.79	3294.43	611.32	0.20
Valle	9500	T=50	1830.00	4.28	11.93	9.28	11.97	0.000185	1.42	2771.34	580.47	0.17
Valle	9500	T=100	2260.00	4.28	12.45	9.28	12.50	0.000206	1.57	3073.52	585.72	0.18
Valle	9500	T=200	2710.00	4.28	12.95	9.28	13.01	0.000224	1.71	3375.72	613.18	0.19
Valle	9450	T=50	1830.00	4.33	11.91	9.59	11.96	0.000218	1.48	2510.17	556.01	0.18
Valle	9450	T=100	2260.00	4.33	12.43	9.95	12.49	0.000249	1.66	2811.01	605.80	0.20
Valle	9450	T=200	2710.00	4.33	12.93	9.95	12.99	0.000268	1.80	3118.65	624.83	0.21
Valle	9400	T=50	1830.00	4.18	11.91	8.80	11.95	0.000183	1.40	2875.94	592.69	0.17
Valle	9400	T=100	2260.00	4.18	12.43	9.39	12.47	0.000204	1.55	3183.11	596.99	0.18
Valle	9400	T=200	2710.00	4.18	12.93	10.01	12.98	0.000222	1.69	3482.73	601.64	0.19
Valle	9351.608	T=50	1830.00	4.20	11.88	8.46	11.93	0.000273	1.71	2469.76	561.20	0.21
Valle	9351.608	T=100	2260.00	4.20	12.39	9.23	12.46	0.000298	1.88	2760.66	570.78	0.22
Valle	9351.608	T=200	2710.00	4.20	12.89	9.79	12.96	0.000318	2.02	3045.12	575.45	0.23
Valle	9325.912	T=50	1830.00	4.17	11.84	8.69	11.92	0.000372	1.97	2201.60	575.10	0.24
Valle	9325.912	T=100	2260.00	4.17	12.35	8.96	12.44	0.000389	2.12	2496.74	576.35	0.25
Valle	9325.912	T=200	2710.00	4.17	12.85	10.04	12.95	0.000404	2.25	2783.42	578.64	0.26
Valle	9300	T=50	1830.00	4.02	11.80	8.72	11.91	0.000416	2.11	2016.19	542.11	0.25
Valle	9300	T=100	2260.00	4.02	12.31	8.88	12.43	0.000442	2.28	2296.12	554.25	0.27
Valle	9300	T=200	2710.00	4.02	12.81	10.17	12.94	0.000461	2.43	2571.16	562.69	0.27
Valle	9250	T=50	1830.00	4.25	11.73	10.02	11.88	0.000566	2.37	1781.94	565.83	0.30
Valle	9250	T=100	2260.00	4.25	12.24	10.26	12.40	0.000573	2.51	2073.19	573.06	0.30
Valle	9250	T=200	2710.00	4.25	12.74	10.58	12.91	0.000576	2.63	2363.99	607.99	0.31
Valle	9200	T=50	1830.00	5.00	11.71	9.96	11.85	0.000561	2.22	1926.54	713.40	0.29
Valle	9200	T=100	2260.00	5.00	12.23	10.33	12.37	0.000533	2.28	2298.20	717.75	0.29
Valle	9200	T=200	2710.00	5.00	12.73	10.63	12.87	0.000510	2.35	2659.66	720.85	0.28
Valle	9150	T=50	1830.00	4.61	11.61	9.58	11.81	0.000651	2.41	1529.57	551.99	0.31
Valle	9150	T=100	2260.00	4.61	12.12	10.24	12.33	0.000651	2.55	1811.51	555.50	0.32
Valle	9150	T=200	2710.00	4.61	12.61	10.38	12.83	0.000648	2.67	2087.50	563.20	0.32
Valle	9100	T=50	1830.00	4.05	11.63	8.67	11.76	0.000435	1.96	1714.96	536.30	0.25
Valle	9100	T=100	2260.00	4.05	12.13	9.53	12.28	0.000453	2.11	1985.69	539.09	0.26
Valle	9100	T=200	2710.00	4.05	12.62	9.84	12.79	0.000467	2.25	2250.54	544.48	0.27
Valle	9050	T=50	1830.00	4.14	11.66	8.17	11.73	0.000241	1.51	2473.62	779.97	0.19
Valle	9050	T=100	2260.00	4.14	12.16	8.42	12.24	0.000252	1.63	2873.48	793.06	0.20
Valle	9050	T=200	2710.00	4.14	12.66	9.15	12.74	0.000256	1.72	3266.80	795.00	0.20
Valle	9000	T=50	1830.00	4.10	11.49	8.06	11.70	0.000500	2.18	1240.03	364.19	0.28
Valle	9000	T=100	2260.00	4.10	11.96	8.49	12.21	0.000564	2.42	1411.29	367.10	0.30
Valle	9000	T=200	2710.00	4.10	12.42	8.91	12.70	0.000616	2.64	1579.42	369.18	0.31
Valle	8950	T=50	1830.00	4.29	11.29	8.79	11.65	0.000991	2.87	979.84	341.80	0.38
Valle	8950	T=100	2260.00	4.29	11.74	9.35	12.15	0.001083	3.15	1133.65	345.21	0.40
Valle	8950	T=200	2710.00	4.29	12.18	9.94	12.65	0.001150	3.40	1287.19	351.75	0.42
Valle	8924.657	T=50	1830.00	3.83	11.05	9.29	11.60	0.001631	3.56	828.70	344.59	0.48
Valle	8924.657	T=100	2260.00	3.83	11.49	10.00	12.10	0.001739	3.87	979.53	350.06	0.50
Valle	8924.657	T=200	2710.00	3.83	11.93	10.85	12.59	0.001789	4.11	1135.35	356.89	0.52
Valle	8899.07	T=50	1830.00	4.08	10.95	8.97	11.55	0.001516	3.70	809.34	341.55	0.47
Valle	8899.07	T=100	2260.00	4.08	11.35	9.97	12.05	0.001695	4.08	947.08	345.95	0.51
Valle	8899.07	T=200	2710.00	4.08	11.77	10.86	12.53	0.001793	4.37	1092.84	349.96	0.53
Valle	8871.313	T=50	1830.00	3.88	10.61	9.35	11.47	0.002187	4.36	675.89	367.04	0.57
Valle	8871.313	T=100	2260.00	3.88	10.78	10.62	11.94	0.002884	5.11	740.62	374.74	0.66
Valle	8871.313	T=200	2710.00	3.88	11.07	11.03	12.41	0.003282	5.61	847.58	380.16	0.70
Valle	8850	T=50	1830.00	4.07	10.35	10.30	11.40	0.003582	4.76	593.58	396.43	0.70
Valle	8850	T=100	2260.00	4.07	10.71	10.71	11.86	0.003792	5.14	737.63	409.70	0.73
Valle	8850	T=200	2710.00	4.07	11.10	11.10	12.28	0.003755	5.37	898.41	419.75	0.73
Valle	8822.778	T=50	1830.00	4.17	10.33	10.33	11.25	0.004387	4.62	649.34	423.04	0.75
Valle	8822.778	T=100	2260.00	4.17	10.38	10.66	11.71	0.006311	5.59	669.21	423.92	0.90
Valle	8822.778	T=200	2710.00	4.17	10.99	10.96	12.03	0.004490	5.20	933.25	447.47	0.78

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	8800	T=50	1830.00	4.09	10.33	9.62	11.06	0.002751	4.08	736.44	448.73	0.61
Valle	8800	T=100	2260.00	4.09	10.66	10.37	11.48	0.002985	4.45	884.55	461.39	0.64
Valle	8800	T=200	2710.00	4.09	11.05	10.67	11.89	0.002906	4.63	1069.46	473.61	0.64
Valle	8750	T=50	1830.00	3.67	10.43	8.38	10.90	0.001066	3.32	926.64	534.28	0.44
Valle	8750	T=100	2260.00	3.67	10.79	9.08	11.30	0.001146	3.58	1119.07	545.54	0.46
Valle	8750	T=200	2710.00	3.67	11.19	10.38	11.70	0.001133	3.71	1342.43	554.18	0.46
Valle	8728.489	T=50	1830.00	4.10	10.42	8.68	10.87	0.001121	3.33	960.86	511.09	0.45
Valle	8728.489	T=100	2260.00	4.10	10.78	10.08	11.26	0.001194	3.58	1145.22	519.94	0.46
Valle	8728.489	T=200	2710.00	4.10	11.18	10.41	11.67	0.001188	3.72	1359.57	542.64	0.47
Valle	8698.187	T=50	1830.00	4.03	10.35	9.08	10.83	0.001319	3.46	910.07	484.91	0.47
Valle	8698.187	T=100	2260.00	4.03	10.71	10.14	11.22	0.001382	3.70	1085.09	490.20	0.49
Valle	8698.187	T=200	2710.00	4.03	11.12	10.43	11.63	0.001338	3.81	1289.34	500.00	0.49
Valle	8673.26	T=50	1830.00	3.88	10.39	9.53	10.77	0.001144	3.21	1014.90	484.56	0.44
Valle	8673.26	T=100	2260.00	3.88	10.75	9.99	11.16	0.001202	3.44	1189.73	489.76	0.46
Valle	8673.26	T=200	2710.00	3.88	11.16	10.27	11.57	0.001177	3.56	1397.80	542.82	0.46
Valle	8650	T=50	1830.00	4.01	10.32	9.86	10.74	0.001689	3.48	957.16	514.61	0.52
Valle	8650	T=100	2260.00	4.01	10.72	10.13	11.13	0.001595	3.58	1168.11	538.14	0.52
Valle	8650	T=200	2710.00	4.01	11.15	10.37	11.54	0.001454	3.61	1406.33	592.91	0.50
Valle	8627.388	T=50	1830.00	3.94	10.40	8.88	10.66	0.000786	2.80	1230.41	558.55	0.37
Valle	8627.388	T=100	2260.00	3.94	10.78	9.65	11.06	0.000825	2.99	1447.94	590.55	0.38
Valle	8627.388	T=200	2710.00	3.94	11.19	9.90	11.48	0.000813	3.10	1698.33	619.49	0.39
Valle	8600	T=50	1830.00	3.99	10.36	9.64	10.64	0.001135	3.01	1183.01	568.22	0.43
Valle	8600	T=100	2260.00	3.99	10.76	9.89	11.03	0.001101	3.12	1410.45	584.30	0.43
Valle	8600	T=200	2710.00	3.99	11.18	10.10	11.45	0.001026	3.17	1658.76	596.87	0.42
Valle	8550	T=50	1830.00	3.96	10.29	9.60	10.58	0.001266	3.07	1144.42	573.23	0.45
Valle	8550	T=100	2260.00	3.96	10.69	9.88	10.98	0.001190	3.15	1379.87	584.99	0.45
Valle	8550	T=200	2710.00	3.96	11.12	10.10	11.40	0.001087	3.17	1634.53	601.44	0.43
Valle	8527.159	T=50	1830.00	4.02	10.06	9.80	10.53	0.001748	3.83	1009.08	605.59	0.60
Valle	8527.159	T=100	2260.00	4.02	10.54	10.04	10.94	0.001438	3.73	1306.19	636.56	0.55
Valle	8527.159	T=200	2710.00	4.02	11.03	10.24	11.37	0.001156	3.58	1620.20	641.54	0.50
Valle	8500	T=50	1830.00	3.79	10.08	9.68	10.46	0.001520	3.63	1126.58	641.28	0.56
Valle	8500	T=100	2260.00	3.79	10.56	9.94	10.88	0.001223	3.50	1436.92	649.98	0.51
Valle	8500	T=200	2710.00	3.79	11.04	10.16	11.32	0.001009	3.39	1752.07	655.70	0.47
Valle	8450	T=50	1830.00	3.94	10.08	9.43	10.37	0.000926	3.24	1315.95	649.46	0.45
Valle	8450	T=100	2260.00	3.94	10.55	9.68	10.81	0.000818	3.22	1621.22	657.26	0.43
Valle	8450	T=200	2710.00	3.94	11.02	9.82	11.27	0.000726	3.20	1940.78	681.23	0.41
Valle	8425.37	T=50	1830.00	3.76	10.05	9.56	10.35	0.000996	3.33	1344.61	713.75	0.47
Valle	8425.37	T=100	2260.00	3.76	10.53	9.78	10.79	0.000834	3.24	1694.38	722.48	0.43
Valle	8425.37	T=200	2710.00	3.76	11.02	9.98	11.24	0.000714	3.16	2045.95	728.02	0.41
Valle	8400	T=50	1830.00	3.71	10.01	9.60	10.32	0.000925	3.32	1447.87	870.53	0.45
Valle	8400	T=100	2260.00	3.71	10.52	9.81	10.76	0.000730	3.13	1899.78	892.43	0.41
Valle	8400	T=200	2710.00	3.71	11.02	10.01	11.22	0.000610	3.02	2345.25	921.48	0.38
Valle	8373.02	T=50	1830.00	3.70	9.98	9.64	10.30	0.000980	3.33	1468.17	935.74	0.46
Valle	8373.02	T=100	2260.00	3.70	10.51	9.85	10.74	0.000733	3.07	1970.38	962.73	0.41
Valle	8373.02	T=200	2710.00	3.70	11.01	10.02	11.20	0.000589	2.91	2457.88	978.52	0.37
Valle	8345.487	T=50	1830.00	4.05	10.01	9.48	10.25	0.000779	2.94	1584.03	915.41	0.41
Valle	8345.487	T=100	2260.00	4.05	10.52	9.69	10.71	0.000615	2.78	2053.46	922.59	0.37
Valle	8345.487	T=200	2710.00	4.05	11.01	9.87	11.17	0.000512	2.69	2510.92	928.88	0.35
Valle	8300	T=50	1830.00	3.87	9.94	9.41	10.21	0.000938	2.97	1377.44	786.14	0.45
Valle	8300	T=100	2260.00	3.87	10.46	9.60	10.67	0.000736	2.82	1792.24	823.05	0.40
Valle	8300	T=200	2710.00	3.87	10.96	9.78	11.14	0.000611	2.74	2209.39	844.59	0.37
Valle	8250	T=50	1830.00	3.88	9.92	9.04	10.16	0.000688	2.73	1465.24	755.34	0.39
Valle	8250	T=100	2260.00	3.88	10.43	9.33	10.64	0.000584	2.68	1852.57	761.14	0.36
Valle	8250	T=200	2710.00	3.88	10.93	9.55	11.12	0.000511	2.66	2232.79	767.08	0.34
Valle	8200	T=50	1830.00	3.86	9.91	9.07	10.12	0.000701	2.61	1525.93	765.87	0.38
Valle	8200	T=100	2260.00	3.86	10.42	9.26	10.60	0.000587	2.56	1919.93	774.31	0.36
Valle	8200	T=200	2710.00	3.86	10.92	9.50	11.09	0.000509	2.53	2307.33	780.40	0.34
Valle	8175.989	T=50	1830.00	3.86	9.90	9.02	10.10	0.000729	2.60	1470.74	714.41	0.39
Valle	8175.989	T=100	2260.00	3.86	10.41	9.22	10.59	0.000619	2.57	1840.25	732.37	0.37
Valle	8175.989	T=200	2710.00	3.86	10.91	9.42	11.08	0.000541	2.56	2208.82	757.59	0.35
Valle	8150	T=50	1830.00	3.82	9.89	8.95	10.08	0.000761	2.57	1458.05	695.73	0.39
Valle	8150	T=100	2260.00	3.82	10.40	9.19	10.57	0.000640	2.54	1827.91	733.22	0.37
Valle	8150	T=200	2710.00	3.82	10.90	9.41	11.06	0.000560	2.54	2201.08	766.19	0.35

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	8100	T=50	1830.00	3.91	9.78	8.92	10.03	0.000873	2.86	1319.11	622.90	0.43
Valle	8100	T=100	2260.00	3.91	10.31	9.23	10.53	0.000729	2.81	1649.96	627.75	0.40
Valle	8100	T=200	2710.00	3.91	10.82	9.45	11.03	0.000637	2.80	1969.27	632.36	0.38
Valle	8050	T=50	1830.00	3.89	9.76	8.43	9.99	0.000624	2.66	1381.45	616.17	0.37
Valle	8050	T=100	2260.00	3.89	10.28	8.93	10.50	0.000561	2.69	1706.24	626.89	0.36
Valle	8050	T=200	2710.00	3.89	10.79	9.27	11.00	0.000511	2.71	2024.31	631.33	0.35
Valle	8000	T=50	1830.00	4.80	9.82	7.94	9.93	0.000444	1.87	1671.84	684.68	0.30
Valle	8000	T=100	2260.00	4.80	10.33	8.28	10.45	0.000394	1.91	2029.59	698.42	0.29
Valle	8000	T=200	2710.00	4.80	10.83	8.49	10.95	0.000358	1.95	2380.39	708.52	0.28
Valle	7950	T=50	1830.00	4.78	9.80	7.91	9.91	0.000373	1.75	1691.29	619.05	0.28
Valle	7950	T=100	2260.00	4.78	10.32	8.24	10.43	0.000344	1.82	2012.03	625.76	0.27
Valle	7950	T=200	2710.00	4.78	10.82	8.47	10.93	0.000324	1.89	2330.62	665.71	0.27
Valle	7919.864	T=50	1830.00	4.42	9.81	7.60	9.89	0.000318	1.61	1826.61	630.54	0.26
Valle	7919.864	T=100	2260.00	4.42	10.32	7.90	10.41	0.000299	1.69	2158.13	652.71	0.25
Valle	7919.864	T=200	2710.00	4.42	10.82	7.99	10.92	0.000284	1.76	2486.45	667.92	0.25
Valle	7900	T=50	1830.00	4.56	9.80	7.21	9.89	0.000271	1.51	1870.09	650.67	0.24
Valle	7900	T=100	2260.00	4.56	10.32	7.53	10.41	0.000257	1.59	2208.33	664.31	0.24
Valle	7900	T=200	2710.00	4.56	10.82	7.81	10.91	0.000247	1.67	2544.03	690.12	0.23
Valle	7850	T=50	1830.00	4.20	9.75	7.71	9.87	0.000374	1.76	1706.37	705.02	0.28
Valle	7850	T=100	2260.00	4.20	10.28	7.99	10.39	0.000338	1.81	2076.48	716.78	0.27
Valle	7850	T=200	2710.00	4.20	10.78	8.33	10.90	0.000311	1.86	2440.53	730.66	0.26
Valle	7800	T=50	1830.00	4.18	9.73	7.47	9.85	0.000342	1.77	1712.67	678.12	0.27
Valle	7800	T=100	2260.00	4.18	10.25	7.81	10.37	0.000317	1.84	2073.50	697.44	0.26
Valle	7800	T=200	2710.00	4.18	10.76	8.23	10.88	0.000297	1.90	2426.50	703.08	0.26
Valle	7750	T=50	1830.00	3.70	9.59	8.15	9.81	0.000782	2.63	1304.83	572.74	0.40
Valle	7750	T=100	2260.00	3.70	10.12	8.41	10.34	0.000687	2.66	1619.29	607.26	0.39
Valle	7750	T=200	2710.00	3.70	10.64	8.64	10.85	0.000612	2.69	1940.71	635.35	0.37
Valle	7700	T=50	1830.00	3.10	9.48	8.29	9.77	0.000738	2.83	1126.64	411.16	0.40
Valle	7700	T=100	2260.00	3.10	10.00	8.61	10.30	0.000709	2.96	1340.80	416.57	0.40
Valle	7700	T=200	2710.00	3.10	10.50	8.89	10.81	0.000686	3.08	1549.42	421.14	0.40
Valle	7650	T=50	1830.00	3.09	9.28	8.35	9.71	0.000999	3.42	982.20	403.53	0.47
Valle	7650	T=100	2260.00	3.09	9.82	8.76	10.24	0.000934	3.52	1200.90	410.98	0.46
Valle	7650	T=200	2710.00	3.09	10.33	9.09	10.76	0.000886	3.62	1413.29	418.32	0.46
Valle	7600	T=50	1830.00	2.96	9.26	8.38	9.65	0.001045	3.36	1014.14	392.71	0.48
Valle	7600	T=100	2260.00	2.96	9.80	8.67	10.18	0.000967	3.45	1227.16	397.57	0.46
Valle	7600	T=200	2710.00	2.96	10.31	8.97	10.70	0.000915	3.56	1431.72	403.23	0.46
Valle	7550	T=50	1970.00	3.13	9.22	8.19	9.59	0.000929	3.21	1084.60	396.18	0.45
Valle	7550	T=100	2420.00	3.13	9.76	8.50	10.14	0.000876	3.33	1299.69	413.24	0.45
Valle	7550	T=200	2890.00	3.13	10.26	8.80	10.66	0.000847	3.46	1521.35	460.30	0.44
Valle	7524.63	T=50	1970.00	2.80	9.23	8.11	9.56	0.000770	3.04	1224.33	493.08	0.41
Valle	7524.63	T=100	2420.00	2.80	9.77	8.49	10.10	0.000712	3.12	1498.37	505.97	0.41
Valle	7524.63	T=200	2890.00	2.80	10.29	8.79	10.62	0.000671	3.20	1762.68	515.25	0.40
Valle	7499.594	T=50	1970.00	2.89	9.21	7.94	9.54	0.000803	2.99	1192.79	510.27	0.40
Valle	7499.594	T=100	2420.00	2.89	9.76	8.32	10.08	0.000752	3.07	1483.80	555.77	0.39
Valle	7499.594	T=200	2890.00	2.89	10.29	8.74	10.59	0.000684	3.10	1782.26	567.59	0.38
Valle	7471.727	T=50	1970.00	3.22	9.17	7.95	9.51	0.001021	3.08	1044.11	373.02	0.44
Valle	7471.727	T=100	2420.00	3.22	9.70	8.36	10.05	0.000958	3.20	1245.56	377.21	0.43
Valle	7471.727	T=200	2890.00	3.22	10.20	8.66	10.56	0.000926	3.33	1432.94	381.78	0.43
Valle	7450	T=50	1970.00	3.17	9.04	7.92	9.48	0.001160	3.35	926.17	331.58	0.47
Valle	7450	T=100	2420.00	3.17	9.57	8.31	10.02	0.001110	3.50	1102.06	334.92	0.47
Valle	7450	T=200	2890.00	3.17	10.06	8.70	10.53	0.001090	3.66	1265.03	338.49	0.47
Valle	7423.804	T=50	1970.00	3.18	8.96	7.81	9.44	0.001257	3.49	870.89	311.08	0.49
Valle	7423.804	T=100	2420.00	3.18	9.48	8.34	9.98	0.001219	3.67	1034.25	316.24	0.49
Valle	7423.804	T=200	2890.00	3.18	9.96	8.66	10.50	0.001202	3.85	1186.38	319.23	0.50
Valle	7400	T=50	1970.00	3.09	8.96	7.72	9.40	0.001171	3.35	886.86	292.07	0.48
Valle	7400	T=100	2420.00	3.09	9.47	8.20	9.95	0.001157	3.55	1037.68	295.36	0.48
Valle	7400	T=200	2890.00	3.09	9.95	8.50	10.46	0.001161	3.75	1177.72	297.97	0.49
Valle	7369.833	T=50	1970.00	3.17	8.85	7.58	9.35	0.001443	3.54	813.83	281.44	0.52
Valle	7369.833	T=100	2420.00	3.17	9.36	8.14	9.90	0.001400	3.74	959.11	284.94	0.52
Valle	7369.833	T=200	2890.00	3.17	9.83	8.55	10.42	0.001387	3.94	1093.55	287.26	0.53
Valle	7350	T=50	1970.00	3.51	8.83	7.62	9.32	0.001512	3.55	817.82	280.06	0.53
Valle	7350	T=100	2420.00	3.51	9.34	7.94	9.87	0.001451	3.73	962.97	281.93	0.53

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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 #	Chi
Valle	7350	T=200	2890.00	3.51	9.81	8.41	10.38	0.001432	3.94	1095.97	283.97		0.53
Valle	7319.325	T=50	1970.00	2.88	8.77	7.30	9.27	0.001590	3.59	811.42	279.28		0.54
Valle	7319.325	T=100	2420.00	2.88	9.30	8.17	9.82	0.001509	3.77	957.99	282.23		0.54
Valle	7319.325	T=200	2890.00	2.88	9.77	8.53	10.34	0.001478	3.96	1092.12	284.63		0.54
Valle	7300	T=50	1970.00	3.51	8.57	7.76	9.22	0.002022	4.00	704.59	258.81		0.61
Valle	7300	T=100	2420.00	3.51	9.02	8.18	9.77	0.002092	4.34	830.14	285.82		0.63
Valle	7300	T=200	2890.00	3.51	9.54	8.53	10.29	0.001922	4.44	976.84	288.05		0.61
Valle	7276.548	T=50	1970.00	2.94	8.33	7.65	9.15	0.002264	4.29	608.82	264.04		0.65
Valle	7276.548	T=100	2420.00	2.94	8.81	8.18	9.70	0.002213	4.54	740.33	277.57		0.65
Valle	7276.548	T=200	2890.00	2.94	9.26	8.60	10.22	0.002199	4.79	865.48	281.89		0.66
Valle	7257.118	T=50	1970.00	2.80	8.34	7.58	9.09	0.002025	4.09	631.44	248.64		0.61
Valle	7257.118	T=100	2420.00	2.80	8.81	8.06	9.64	0.002019	4.37	761.08	279.41		0.62
Valle	7257.118	T=200	2890.00	2.80	9.27	8.38	10.16	0.001980	4.58	891.02	285.91		0.62
Valle	7228.348	T=50	1970.00	2.76	8.47	6.56	8.98	0.001060	3.32	746.26	229.20		0.46
Valle	7228.348	T=100	2420.00	2.76	8.93	7.04	9.53	0.001150	3.65	861.89	275.80		0.48
Valle	7228.348	T=200	2890.00	2.76	9.37	7.69	10.05	0.001225	3.96	987.29	295.96		0.50
Valle	7200	T=50	1970.00	2.88	8.51	6.27	8.92	0.000834	2.99	840.97	260.40		0.41
Valle	7200	T=100	2420.00	2.88	8.98	6.84	9.47	0.000911	3.30	965.32	271.23		0.43
Valle	7200	T=200	2890.00	2.88	9.42	7.31	9.99	0.000979	3.59	1090.48	292.15		0.45
Valle	7163.919	T=50	1970.00	2.83	8.52	6.08	8.88	0.000729	2.80	894.40	268.08		0.38
Valle	7163.919	T=100	2420.00	2.83	8.99	6.58	9.42	0.000802	3.10	1023.47	279.47		0.41
Valle	7163.919	T=200	2890.00	2.83	9.44	7.13	9.93	0.000852	3.35	1150.12	284.77		0.42
Valle	7128.79	T=50	1970.00	2.72	8.53	6.09	8.84	0.000632	2.61	937.55	257.11		0.35
Valle	7128.79	T=100	2420.00	2.72	9.00	6.53	9.38	0.000699	2.90	1063.04	273.07		0.38
Valle	7128.79	T=200	2890.00	2.72	9.45	6.81	9.89	0.000752	3.16	1185.91	278.33		0.40
Valle	7092.713	T=50	1970.00	2.70	8.51	5.96	8.81	0.000633	2.61	953.95	268.66		0.36
Valle	7092.713	T=100	2420.00	2.70	8.99	6.34	9.35	0.000694	2.89	1093.19	311.35		0.38
Valle	7092.713	T=200	2890.00	2.70	9.43	6.74	9.85	0.000744	3.14	1235.43	320.52		0.40
Valle	7057.347	T=50	1970.00	2.86	8.45	5.91	8.79	0.000687	2.71	920.47	263.64		0.37
Valle	7057.347	T=100	2420.00	2.86	8.91	6.33	9.32	0.000773	3.03	1053.90	312.98		0.40
Valle	7057.347	T=200	2890.00	2.86	9.36	6.78	9.82	0.000816	3.27	1195.34	318.37		0.41
Valle	7025.087	T=50	1970.00	2.88	8.43	5.98	8.76	0.000714	2.75	934.56	280.99		0.38
Valle	7025.087	T=100	2420.00	2.88	8.89	6.54	9.29	0.000786	3.05	1064.68	288.27		0.40
Valle	7025.087	T=200	2890.00	2.88	9.33	7.01	9.79	0.000842	3.31	1195.43	305.95		0.42
Valle	6992.726	T=50	1970.00	2.96	8.49	5.90	8.71	0.000532	2.39	1148.21	262.34		0.33
Valle	6992.726	T=100	2420.00	2.96	8.96	6.23	9.23	0.000597	2.67	1273.23	275.52		0.35
Valle	6992.726	T=200	2890.00	2.96	9.40	6.62	9.73	0.000664	2.96	1397.30	283.86		0.37
Valle	6960.463	T=50	1970.00	2.77	8.41	5.82	8.68	0.000596	2.50	1001.54	266.76		0.34
Valle	6960.463	T=100	2420.00	2.77	8.86	6.27	9.20	0.000656	2.77	1125.53	272.71		0.37
Valle	6960.463	T=200	2890.00	2.77	9.31	6.69	9.70	0.000707	3.01	1247.10	278.20		0.38
Valle	6928.272	T=50	1970.00	2.67	8.39	5.95	8.66	0.000608	2.53	1029.11	268.40		0.35
Valle	6928.272	T=100	2420.00	2.67	8.85	6.39	9.18	0.000666	2.80	1152.77	270.73		0.37
Valle	6928.272	T=200	2890.00	2.67	9.29	6.78	9.67	0.000715	3.04	1272.77	272.59		0.39
Valle	6900.452	T=50	1970.00	2.73	8.34	6.13	8.64	0.000693	2.69	1001.32	280.06		0.37
Valle	6900.452	T=100	2420.00	2.73	8.80	6.61	9.15	0.000751	2.95	1129.87	282.72		0.39
Valle	6900.452	T=200	2890.00	2.73	9.24	7.16	9.65	0.000798	3.19	1254.94	285.09		0.41
Valle	6874.823	T=50	1970.00	2.79	8.34	6.24	8.62	0.000690	2.68	1071.88	297.01		0.37
Valle	6874.823	T=100	2420.00	2.79	8.80	6.79	9.13	0.000742	2.93	1209.78	301.66		0.39
Valle	6874.823	T=200	2890.00	2.79	9.24	7.12	9.62	0.000786	3.17	1344.54	306.83		0.40
Valle	6849.097	T=50	1970.00	2.86	8.34	6.22	8.59	0.000624	2.54	1105.21	305.35		0.35
Valle	6849.097	T=100	2420.00	2.86	8.80	6.59	9.10	0.000670	2.78	1246.74	307.57		0.37
Valle	6849.097	T=200	2890.00	2.86	9.25	6.95	9.59	0.000708	3.00	1384.35	310.50		0.38
Valle	6821.913	T=50	1970.00	2.70	8.28	6.44	8.57	0.000724	2.73	1059.40	301.74		0.38
Valle	6821.913	T=100	2420.00	2.70	8.74	6.66	9.08	0.000772	2.98	1197.87	303.71		0.40
Valle	6821.913	T=200	2890.00	2.70	9.18	7.21	9.56	0.000811	3.21	1332.71	305.54		0.41
Valle	6785.72	T=50	1970.00	2.76	8.24	6.26	8.54	0.000739	2.73	1006.85	278.05		0.38
Valle	6785.72	T=100	2420.00	2.76	8.69	6.77	9.05	0.000801	3.00	1131.23	279.82		0.40
Valle	6785.72	T=200	2890.00	2.76	9.12	7.10	9.53	0.000854	3.26	1251.93	282.09		0.42
Valle	6749.126	T=50	1970.00	2.55	8.19	6.26	8.51	0.000845	2.90	970.72	261.63		0.41
Valle	6749.126	T=100	2420.00	2.55	8.62	6.79	9.01	0.000922	3.20	1085.02	263.44		0.43
Valle	6749.126	T=200	2890.00	2.55	9.04	7.14	9.49	0.000988	3.47	1195.94	265.36		0.45
Valle	6699.274	T=50	1970.00	2.75	8.01	6.57	8.45	0.001293	3.50	842.62	246.09		0.50

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	6699.274	T=100	2420.00	2.75	8.41	6.95	8.94	0.001416	3.86	942.81	247.67	0.53
Valle	6699.274	T=200	2890.00	2.75	8.80	7.30	9.42	0.001519	4.18	1040.19	249.15	0.56
Valle	6649.637	T=50	1970.00	2.69	8.13	5.92	8.34	0.000598	2.03	968.88	243.35	0.33
Valle	6649.637	T=100	2420.00	2.69	8.55	6.23	8.81	0.000644	2.25	1073.29	244.44	0.34
Valle	6649.637	T=200	2890.00	2.69	8.97	6.53	9.28	0.000681	2.46	1174.77	246.28	0.36
Valle	6608.988	T=50	1970.00	2.87	8.06	6.10	8.31	0.000757	2.19	901.35	243.55	0.36
Valle	6608.988	T=100	2420.00	2.87	8.48	6.40	8.78	0.000801	2.41	1004.46	245.28	0.38
Valle	6608.988	T=200	2890.00	2.87	8.89	6.69	9.24	0.000833	2.62	1104.85	246.71	0.39
Valle	6569.121	T=50	1970.00	2.78	7.98	6.30	8.27	0.000948	2.36	833.65	236.68	0.40
Valle	6569.121	T=100	2420.00	2.78	8.40	6.61	8.74	0.000997	2.60	931.43	237.94	0.42
Valle	6569.121	T=200	2890.00	2.78	8.80	6.91	9.20	0.001055	2.81	1027.60	243.38	0.44
Valle	6529.948	T=50	1970.00	2.94	7.94	6.40	8.23	0.001063	2.37	831.06	256.21	0.42
Valle	6529.948	T=100	2420.00	2.94	8.36	6.73	8.70	0.001081	2.58	937.92	257.58	0.43
Valle	6529.948	T=200	2890.00	2.94	8.76	7.02	9.15	0.001093	2.77	1042.13	258.84	0.44
Valle	6491.657	T=50	1970.00	3.50	7.81	6.77	8.17	0.001621	2.65	743.38	266.15	0.51
Valle	6491.657	T=100	2420.00	3.50	8.23	7.04	8.64	0.001545	2.83	855.44	267.63	0.51
Valle	6491.657	T=200	2890.00	3.50	8.64	7.30	9.10	0.001488	3.00	964.85	269.11	0.50
Valle	6452.935	T=50	1970.00	3.13	7.86	6.43	8.08	0.000890	2.17	1064.61	451.43	0.38
Valle	6452.935	T=100	2420.00	3.13	8.30	6.71	8.55	0.000843	2.29	1270.20	475.10	0.38
Valle	6452.935	T=200	2890.00	3.13	8.74	7.01	9.00	0.000798	2.39	1479.48	492.79	0.38
Valle	6406.671	T=50	1970.00	2.33	7.87	5.73	8.04	0.000509	1.85	1242.91	457.38	0.30
Valle	6406.671	T=100	2420.00	2.33	8.31	6.04	8.50	0.000515	1.99	1446.39	463.20	0.31
Valle	6406.671	T=200	2890.00	2.33	8.74	6.34	8.95	0.000516	2.11	1646.84	468.14	0.31
Valle	6370.032	T=50	1970.00	2.25	7.87	5.42	8.01	0.000398	1.69	1366.75	446.56	0.27
Valle	6370.032	T=100	2420.00	2.25	8.32	5.73	8.47	0.000413	1.84	1564.87	450.25	0.28
Valle	6370.032	T=200	2890.00	2.25	8.75	6.07	8.92	0.000423	1.97	1759.11	453.36	0.28
Valle	6330.769	T=50	1970.00	2.30	7.86	5.45	7.99	0.000389	1.67	1384.24	438.51	0.26
Valle	6330.769	T=100	2420.00	2.30	8.30	5.71	8.46	0.000407	1.82	1579.82	450.84	0.27
Valle	6330.769	T=200	2890.00	2.30	8.73	6.11	8.91	0.000418	1.95	1774.95	457.08	0.28
Valle	6290.582	T=50	1970.00	2.14	7.85	5.27	7.98	0.000347	1.62	1400.51	438.35	0.25
Valle	6290.582	T=100	2420.00	2.14	8.29	5.56	8.44	0.000373	1.78	1597.29	459.55	0.26
Valle	6290.582	T=200	2890.00	2.14	8.72	5.88	8.89	0.000390	1.92	1798.99	479.76	0.27
Valle	6250.849	T=50	1970.00	2.33	7.85	5.02	7.96	0.000277	1.50	1492.78	410.14	0.23
Valle	6250.849	T=100	2420.00	2.33	8.29	5.29	8.42	0.000301	1.66	1673.80	416.24	0.24
Valle	6250.849	T=200	2890.00	2.33	8.72	5.58	8.87	0.000320	1.81	1853.35	426.70	0.25
Valle	6211.123	T=50	1970.00	2.22	7.84	5.04	7.95	0.000282	1.50	1491.26	410.54	0.23
Valle	6211.123	T=100	2420.00	2.22	8.28	5.31	8.41	0.000305	1.66	1672.20	416.76	0.24
Valle	6211.123	T=200	2890.00	2.22	8.70	5.71	8.86	0.000325	1.80	1851.13	422.69	0.25
Valle	6171.176	T=50	1970.00	2.35	7.82	5.25	7.94	0.000333	1.57	1443.05	415.76	0.24
Valle	6171.176	T=100	2420.00	2.35	8.26	5.58	8.39	0.000355	1.72	1628.20	445.47	0.26
Valle	6171.176	T=200	2890.00	2.35	8.68	5.90	8.84	0.000372	1.86	1822.98	468.08	0.27
Valle	6131.188	T=50	1970.00	2.45	7.82	5.19	7.92	0.000296	1.50	1567.03	477.52	0.23
Valle	6131.188	T=100	2420.00	2.45	8.25	5.48	8.38	0.000315	1.64	1778.55	492.79	0.24
Valle	6131.188	T=200	2890.00	2.45	8.68	5.81	8.82	0.000328	1.77	1991.98	503.47	0.25
Valle	6087.609	T=50	1970.00	2.54	7.79	5.61	7.90	0.000387	1.61	1484.47	486.31	0.26
Valle	6087.609	T=100	2420.00	2.54	8.22	5.94	8.36	0.000397	1.74	1699.48	495.50	0.27
Valle	6087.609	T=200	2890.00	2.54	8.65	6.13	8.80	0.000403	1.86	1913.54	504.22	0.27
Valle	6043.049	T=50	1970.00	2.37	7.77	5.36	7.89	0.000348	1.58	1539.67	511.85	0.25
Valle	6043.049	T=100	2420.00	2.37	8.21	5.74	8.34	0.000365	1.71	1768.11	528.37	0.26
Valle	6043.049	T=200	2890.00	2.37	8.64	6.02	8.79	0.000372	1.83	1997.90	543.52	0.26
Valle	5998.942	T=50	1970.00	2.71	7.69	6.26	7.86	0.000741	1.95	1227.42	456.46	0.35
Valle	5998.942	T=100	2420.00	2.71	8.13	6.48	8.31	0.000710	2.07	1428.30	464.17	0.35
Valle	5998.942	T=200	2890.00	2.71	8.55	6.69	8.76	0.000683	2.17	1638.85	531.24	0.35
Valle	5954.124	T=50	1970.00	2.53	7.68	5.92	7.82	0.000552	1.82	1320.86	448.32	0.31
Valle	5954.124	T=100	2420.00	2.53	8.11	6.17	8.28	0.000551	1.95	1517.21	452.82	0.31
Valle	5954.124	T=200	2890.00	2.53	8.54	6.40	8.72	0.000552	2.07	1711.52	458.20	0.32
Valle	5906.885	T=50	1970.00	2.54	7.64	5.91	7.80	0.000582	1.88	1306.04	465.98	0.32
Valle	5906.885	T=100	2420.00	2.54	8.08	6.21	8.25	0.000577	2.01	1511.25	473.21	0.32
Valle	5906.885	T=200	2890.00	2.54	8.50	6.46	8.70	0.000571	2.12	1715.84	481.81	0.32
Valle	5861.53	T=50	1970.00	2.50	7.61	5.68	7.77	0.000533	1.89	1330.37	476.33	0.31
Valle	5861.53	T=100	2420.00	2.50	8.05	6.01	8.23	0.000541	2.02	1540.77	486.87	0.31
Valle	5861.53	T=200	2890.00	2.50	8.48	6.35	8.67	0.000542	2.13	1751.73	495.03	0.32



HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	5816.878	T=50	1970.00	2.49	7.59	5.71	7.74	0.000530	1.87	1374.56	506.50	0.30
Valle	5816.878	T=100	2420.00	2.49	8.03	6.05	8.20	0.000528	2.00	1597.85	514.76	0.31
Valle	5816.878	T=200	2890.00	2.49	8.46	6.41	8.64	0.000517	2.11	1821.46	521.66	0.31
Valle	5778.98	T=50	1970.00	2.52	7.54	6.10	7.72	0.000719	2.06	1293.59	532.08	0.35
Valle	5778.98	T=100	2420.00	2.52	7.98	6.43	8.17	0.000684	2.16	1532.36	542.13	0.35
Valle	5778.98	T=200	2890.00	2.52	8.42	6.67	8.62	0.000647	2.24	1772.98	555.28	0.34
Valle	5741.657	T=50	1970.00	2.72	7.48	6.38	7.68	0.000940	2.22	1232.16	573.47	0.39
Valle	5741.657	T=100	2420.00	2.72	7.94	6.62	8.14	0.000857	2.29	1502.99	625.53	0.38
Valle	5741.657	T=200	2890.00	2.72	8.38	6.85	8.59	0.000793	2.35	1790.16	655.21	0.37
Valle	5705.226	T=50	1970.00	2.70	7.46	6.10	7.65	0.000798	2.15	1267.58	553.15	0.37
Valle	5705.226	T=100	2420.00	2.70	7.91	6.47	8.11	0.000734	2.22	1524.52	578.42	0.36
Valle	5705.226	T=200	2890.00	2.70	8.36	6.73	8.56	0.000701	2.28	1798.04	641.06	0.35
Valle	5658.728	T=50	1970.00	2.29	7.45	5.66	7.61	0.000558	1.93	1410.16	560.32	0.31
Valle	5658.728	T=100	2420.00	2.29	7.90	6.11	8.07	0.000537	2.03	1665.70	567.49	0.31
Valle	5658.728	T=200	2890.00	2.29	8.35	6.42	8.52	0.000524	2.11	1920.36	579.59	0.31
Valle	5612.418	T=50	1970.00	2.11	7.41	6.02	7.58	0.000672	2.01	1380.88	579.25	0.34
Valle	5612.418	T=100	2420.00	2.11	7.87	6.36	8.04	0.000621	2.08	1648.93	586.05	0.33
Valle	5612.418	T=200	2890.00	2.11	8.32	6.58	8.50	0.000582	2.14	1913.50	592.48	0.33
Valle	5585.467	T=50	1970.00	2.40	7.37	6.28	7.55	0.000920	2.18	1285.43	592.12	0.39
Valle	5585.467	T=100	2420.00	2.40	7.84	6.56	8.02	0.000795	2.20	1565.80	597.98	0.37
Valle	5585.467	T=200	2890.00	2.40	8.29	6.76	8.48	0.000715	2.23	1840.44	605.42	0.35
Valle	5559.211	T=50	1970.00	2.24	7.33	6.42	7.53	0.001072	2.24	1257.05	599.04	0.41
Valle	5559.211	T=100	2420.00	2.24	7.81	6.62	8.00	0.000893	2.24	1547.09	608.41	0.39
Valle	5559.211	T=200	2890.00	2.24	8.28	6.81	8.46	0.000778	2.26	1828.97	614.45	0.37
Valle	5523.778	T=50	1970.00	2.46	7.33	6.02	7.49	0.000741	2.02	1389.94	613.45	0.35
Valle	5523.778	T=100	2420.00	2.46	7.81	6.38	7.97	0.000650	2.05	1686.20	620.69	0.33
Valle	5523.778	T=200	2890.00	2.46	8.27	6.59	8.44	0.000589	2.09	1974.52	629.61	0.32
Valle	5487.42	T=50	1970.00	2.50	7.31	6.08	7.47	0.000772	2.00	1397.23	629.33	0.36
Valle	5487.42	T=100	2420.00	2.50	7.79	6.33	7.95	0.000663	2.02	1704.47	637.10	0.34
Valle	5487.42	T=200	2890.00	2.50	8.26	6.55	8.42	0.000593	2.04	2002.31	644.49	0.32
Valle	5450.433	T=50	1970.00	2.64	7.29	6.11	7.44	0.000737	1.94	1440.89	643.93	0.35
Valle	5450.433	T=100	2420.00	2.64	7.78	6.22	7.93	0.000626	1.96	1757.54	651.52	0.33
Valle	5450.433	T=200	2890.00	2.64	8.25	6.53	8.39	0.000563	1.98	2063.82	664.80	0.32
Valle	5445.05	T=50	1970.00	2.56	7.29	6.00	7.44	0.000671	1.91	1455.41	635.50	0.33
Valle	5445.05	T=100	2420.00	2.56	7.78	6.24	7.92	0.000583	1.93	1766.88	639.20	0.32
Valle	5445.05	T=200	2890.00	2.56	8.24	6.46	8.39	0.000531	1.98	2066.37	653.65	0.31
Valle	5440		Bridge									
Valle	5439.393	T=50	1970.00	2.68	7.28	6.02	7.42	0.000683	1.91	1462.44	643.40	0.34
Valle	5439.393	T=100	2420.00	2.68	7.76	6.23	7.90	0.000591	1.93	1775.04	647.21	0.32
Valle	5439.393	T=200	2890.00	2.68	8.22	6.48	8.37	0.000536	1.97	2075.80	654.14	0.31
Valle	5435.854	T=50	1970.00	2.78	7.28	5.99	7.42	0.000664	1.89	1479.82	643.63	0.33
Valle	5435.854	T=100	2420.00	2.78	7.76	6.27	7.90	0.000578	1.91	1792.67	647.73	0.32
Valle	5435.854	T=200	2890.00	2.78	8.22	6.46	8.36	0.000523	1.96	2093.32	654.58	0.31
Valle	5387.867	T=50	1970.00	1.80	7.25	5.97	7.37	0.000640	1.85	1561.32	643.63	0.32
Valle	5387.867	T=100	2420.00	1.80	7.74	6.16	7.86	0.000559	1.88	1876.56	650.12	0.31
Valle	5387.867	T=200	2890.00	1.80	8.20	6.34	8.33	0.000509	1.92	2179.84	657.34	0.30
Valle	5355.977	T=50	1970.00	1.77	7.23	6.07	7.35	0.000738	1.88	1611.22	759.73	0.34
Valle	5355.977	T=100	2420.00	1.77	7.73	6.32	7.84	0.000595	1.86	1989.38	763.07	0.32
Valle	5355.977	T=200	2890.00	1.77	8.20	6.48	8.31	0.000514	1.86	2349.46	768.69	0.30
Valle	5326.403	T=50	1970.00	1.87	7.23	6.03	7.32	0.000640	1.72	1778.82	808.24	0.32
Valle	5326.403	T=100	2420.00	1.87	7.73	6.22	7.82	0.000518	1.70	2184.18	818.92	0.29
Valle	5326.403	T=200	2890.00	1.87	8.20	6.37	8.29	0.000447	1.71	2572.15	826.58	0.28
Valle	5278.855	T=50	1970.00	1.46	7.18	5.86	7.29	0.000597	1.79	1678.97	732.40	0.31
Valle	5278.855	T=100	2420.00	1.46	7.68	6.04	7.79	0.000506	1.80	2051.52	750.70	0.30
Valle	5278.855	T=200	2890.00	1.46	8.15	6.22	8.27	0.000466	1.86	2418.22	810.11	0.29
Valle	5230.262	T=50	1970.00	1.66	7.14	5.79	7.26	0.000599	1.83	1636.64	720.73	0.32
Valle	5230.262	T=100	2420.00	1.66	7.65	6.00	7.77	0.000520	1.85	2006.85	761.49	0.30
Valle	5230.262	T=200	2890.00	1.66	8.12	6.16	8.24	0.000465	1.88	2375.72	791.43	0.29
Valle	5192.268	T=50	1970.00	1.50	7.11	5.77	7.24	0.000679	1.87	1588.18	710.12	0.33
Valle	5192.268	T=100	2420.00	1.50	7.62	6.01	7.75	0.000580	1.89	1960.23	760.52	0.31
Valle	5192.268	T=200	2890.00	1.50	8.10	6.22	8.23	0.000510	1.91	2333.36	793.21	0.30
Valle	5152.938	T=50	1970.00	1.55	7.09	5.65	7.22	0.000564	1.81	1634.07	698.47	0.31

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	5152.938	T=100	2420.00	1.55	7.60	5.82	7.73	0.000497	1.85	2000.44	743.27	0.30
Valle	5152.938	T=200	2890.00	1.55	8.08	6.14	8.21	0.000449	1.88	2364.38	773.81	0.29
Valle	5112.368	T=50	1970.00	1.67	7.08	5.50	7.19	0.000477	1.73	1714.48	704.18	0.29
Valle	5112.368	T=100	2420.00	1.67	7.59	5.72	7.70	0.000430	1.77	2084.36	747.63	0.28
Valle	5112.368	T=200	2890.00	1.67	8.07	5.94	8.19	0.000400	1.82	2458.79	797.60	0.27
Valle	5069.352	T=50	1970.00	1.70	7.06	5.44	7.17	0.000467	1.73	1726.38	731.51	0.28
Valle	5069.352	T=100	2420.00	1.70	7.57	5.75	7.69	0.000416	1.77	2113.22	765.02	0.27
Valle	5069.352	T=200	2890.00	1.70	8.06	5.95	8.17	0.000382	1.80	2496.17	810.89	0.27
Valle	5020.795	T=50	1970.00	1.52	7.03	5.50	7.15	0.000540	1.78	1663.42	702.68	0.30
Valle	5020.795	T=100	2420.00	1.52	7.55	5.75	7.66	0.000480	1.82	2039.20	768.82	0.29
Valle	5020.795	T=200	2890.00	1.52	8.03	5.97	8.15	0.000432	1.86	2424.14	802.15	0.28
Valle	4979.656	T=50	1970.00	1.46	7.01	5.49	7.12	0.000503	1.75	1644.45	652.86	0.29
Valle	4979.656	T=100	2420.00	1.46	7.53	5.73	7.64	0.000442	1.78	1996.55	712.64	0.28
Valle	4979.656	T=200	2890.00	1.46	8.00	5.96	8.13	0.000435	1.89	2355.20	784.28	0.28
Valle	4941.521	T=50	1970.00	1.54	6.99	5.49	7.10	0.000540	1.75	1628.72	636.74	0.30
Valle	4941.521	T=100	2420.00	1.54	7.51	5.71	7.63	0.000468	1.78	1963.01	644.16	0.28
Valle	4941.521	T=200	2890.00	1.54	7.99	5.83	8.11	0.000428	1.83	2281.01	679.70	0.28
Valle	4903.059	T=50	1970.00	1.49	6.98	5.26	7.08	0.000424	1.68	1705.53	622.13	0.27
Valle	4903.059	T=100	2420.00	1.49	7.50	5.50	7.61	0.000387	1.72	2032.37	630.34	0.26
Valle	4903.059	T=200	2890.00	1.49	7.98	5.73	8.09	0.000367	1.79	2337.75	640.42	0.26
Valle	4864.216	T=50	1970.00	1.55	6.96	5.27	7.06	0.000417	1.66	1727.96	622.77	0.27
Valle	4864.216	T=100	2420.00	1.55	7.49	5.49	7.59	0.000380	1.71	2056.35	632.43	0.26
Valle	4864.216	T=200	2890.00	1.55	7.97	5.69	8.08	0.000361	1.77	2363.78	643.26	0.26
Valle	4825.143	T=50	1970.00	1.11	6.95	5.17	7.05	0.000391	1.61	1762.79	616.28	0.26
Valle	4825.143	T=100	2420.00	1.11	7.47	5.40	7.58	0.000361	1.67	2088.04	625.60	0.25
Valle	4825.143	T=200	2890.00	1.11	7.96	5.59	8.06	0.000346	1.73	2393.22	637.56	0.25
Valle	4784.8	T=50	1970.00	1.28	6.93	5.26	7.03	0.000445	1.68	1691.18	605.59	0.28
Valle	4784.8	T=100	2420.00	1.28	7.45	5.47	7.56	0.000402	1.73	2012.11	614.63	0.27
Valle	4784.8	T=200	2890.00	1.28	7.93	5.66	8.05	0.000381	1.79	2312.08	626.96	0.27
Valle	4744.987	T=50	1970.00	0.87	6.90	5.22	7.01	0.000471	1.71	1636.15	589.78	0.28
Valle	4744.987	T=100	2420.00	0.87	7.43	5.44	7.54	0.000427	1.77	1949.05	601.64	0.28
Valle	4744.987	T=200	2890.00	0.87	7.91	5.64	8.03	0.000406	1.84	2242.03	617.38	0.27
Valle	4703.987	T=50	1970.00	1.16	6.88	5.10	6.99	0.000447	1.69	1622.11	549.64	0.28
Valle	4703.987	T=100	2420.00	1.16	7.41	5.31	7.52	0.000411	1.75	1913.32	554.58	0.27
Valle	4703.987	T=200	2890.00	1.16	7.89	5.51	8.01	0.000394	1.83	2181.75	560.05	0.27
Valle	4664.987	T=50	1970.00	1.21	6.86	5.13	6.97	0.000491	1.74	1565.55	540.91	0.29
Valle	4664.987	T=100	2420.00	1.21	7.38	5.35	7.51	0.000450	1.80	1853.78	550.95	0.28
Valle	4664.987	T=200	2890.00	1.21	7.87	5.55	8.00	0.000427	1.88	2122.07	559.02	0.28
Valle	4623.755	T=50	1970.00	1.15	6.82	5.05	6.95	0.000522	1.81	1498.22	530.94	0.30
Valle	4623.755	T=100	2420.00	1.15	7.35	5.28	7.49	0.000479	1.86	1784.03	543.62	0.29
Valle	4623.755	T=200	2890.00	1.15	7.83	5.50	7.98	0.000463	1.95	2050.38	567.25	0.29
Valle	4583.441	T=50	1970.00	1.16	6.77	5.09	6.92	0.000670	1.96	1341.65	525.73	0.34
Valle	4583.441	T=100	2420.00	1.16	7.29	5.33	7.46	0.000634	2.07	1625.15	555.17	0.33
Valle	4583.441	T=200	2890.00	1.16	7.78	5.56	7.95	0.000577	2.13	1900.81	574.55	0.32
Valle	4542.795	T=50	1970.00	0.63	6.74	4.90	6.90	0.000588	1.95	1315.49	458.35	0.32
Valle	4542.795	T=100	2420.00	0.63	7.25	5.16	7.43	0.000612	2.12	1582.56	568.21	0.33
Valle	4542.795	T=200	2890.00	0.63	7.74	5.44	7.93	0.000579	2.20	1867.89	637.11	0.33
Valle	4501.739	T=50	1970.00	1.04	6.70	4.96	6.87	0.000612	1.99	1275.77	462.64	0.33
Valle	4501.739	T=100	2420.00	1.04	7.20	5.21	7.41	0.000639	2.19	1571.22	525.23	0.34
Valle	4501.739	T=200	2890.00	1.04	7.70	5.50	7.90	0.000581	2.25	1945.70	574.46	0.33
Valle	4453.047	T=50	1970.00	0.83	6.69	4.43	6.84	0.000476	1.88	1400.43	612.33	0.29
Valle	4453.047	T=100	2420.00	0.83	7.20	4.77	7.37	0.000470	2.01	1753.64	735.03	0.30
Valle	4453.047	T=200	2890.00	0.83	7.70	5.23	7.87	0.000427	2.05	2130.19	774.37	0.29
Valle	4410.4	T=50	1970.00	0.51	6.62	4.43	6.82	0.000578	2.05	1218.50	601.47	0.32
Valle	4410.4	T=100	2420.00	0.51	7.14	4.76	7.35	0.000537	2.13	1555.48	699.35	0.32
Valle	4410.4	T=200	2890.00	0.51	7.64	5.11	7.85	0.000488	2.18	1916.26	746.59	0.31
Valle	4367.539	T=50	1970.00	0.34	6.48	5.08	6.77	0.001126	2.51	958.48	462.97	0.43
Valle	4367.539	T=100	2420.00	0.34	7.00	5.41	7.31	0.001015	2.60	1261.47	687.97	0.42
Valle	4367.539	T=200	2890.00	0.34	7.54	5.71	7.81	0.000810	2.53	1641.41	713.55	0.38
Valle	4324.509	T=50	1970.00	0.50	6.49	4.65	6.71	0.000748	2.19	1110.70	522.91	0.36
Valle	4324.509	T=100	2420.00	0.50	7.01	4.97	7.25	0.000699	2.30	1439.50	699.69	0.35
Valle	4324.509	T=200	2890.00	0.50	7.55	5.28	7.77	0.000587	2.28	1820.04	712.35	0.33

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	4281.725	T=50	1970.00	0.55	6.48	4.47	6.67	0.000635	2.04	1254.92	632.46	0.33
Valle	4281.725	T=100	2420.00	0.55	7.01	4.77	7.21	0.000583	2.12	1608.84	697.69	0.32
Valle	4281.725	T=200	2890.00	0.55	7.55	5.07	7.73	0.000496	2.11	1987.53	709.73	0.31
Valle	4233.595	T=50	1970.00	0.47	6.52	4.40	6.62	0.000392	1.59	1729.87	669.19	0.26
Valle	4233.595	T=100	2420.00	0.47	7.05	4.68	7.16	0.000358	1.65	2101.46	720.59	0.25
Valle	4233.595	T=200	2890.00	0.47	7.58	4.93	7.69	0.000319	1.68	2492.91	746.84	0.24
Valle	4190.973	T=50	1970.00	0.42	6.56	3.67	6.59	0.000114	0.93	3223.46	1058.55	0.14
Valle	4190.973	T=100	2420.00	0.42	7.10	3.92	7.13	0.000111	0.99	3805.02	1115.66	0.14
Valle	4190.973	T=200	2890.00	0.42	7.63	4.08	7.66	0.000106	1.03	4413.71	1169.20	0.14
Valle	4152.624	T=50	1970.00	0.45	6.56	3.67	6.58	0.000095	0.82	3483.88	1071.56	0.13
Valle	4152.624	T=100	2420.00	0.45	7.10	3.87	7.12	0.000093	0.88	4079.82	1136.58	0.13
Valle	4152.624	T=200	2890.00	0.45	7.63	4.02	7.66	0.000089	0.93	4710.10	1203.95	0.13
Valle	4110.281	T=50	1970.00	0.48	6.56	3.64	6.57	0.000079	0.73	3874.81	1210.63	0.12
Valle	4110.281	T=100	2420.00	0.48	7.09	3.77	7.11	0.000074	0.77	4530.43	1237.94	0.12
Valle	4110.281	T=200	2890.00	0.48	7.62	3.96	7.65	0.000069	0.80	5196.13	1259.34	0.12
Valle	4092.527	T=50	1970.00	0.46	6.48	3.85	6.57	0.000239	1.27	1549.61	401.06	0.21
Valle	4092.527	T=100	2420.00	0.46	7.01	4.06	7.10	0.000238	1.38	1760.47	409.21	0.21
Valle	4092.527	T=200	2890.00	0.46	7.52	4.28	7.64	0.000234	1.47	1973.14	409.21	0.21
Valle	4070	Bridge										
Valle	4062.101	T=50	1970.00	0.41	6.48	3.69	6.54	0.000193	1.17	1690.39	428.77	0.19
Valle	4062.101	T=100	2420.00	0.41	7.00	3.90	7.08	0.000194	1.27	1913.95	429.13	0.19
Valle	4062.101	T=200	2890.00	0.41	7.51	4.09	7.60	0.000193	1.36	2134.38	429.13	0.19
Valle	4038.405	T=50	1970.00	0.44	6.47	3.37	6.54	0.000160	1.12	1752.61	399.94	0.17
Valle	4038.405	T=100	2420.00	0.44	7.00	3.58	7.07	0.000166	1.23	1961.76	405.52	0.18
Valle	4038.405	T=200	2890.00	0.44	7.51	3.79	7.60	0.000170	1.33	2169.98	405.93	0.18
Valle	3966.391	T=50	1970.00	0.46	6.43	3.38	6.52	0.000222	1.35	1479.69	345.17	0.20
Valle	3966.391	T=100	2420.00	0.46	6.94	3.63	7.06	0.000233	1.49	1658.91	355.17	0.21
Valle	3966.391	T=200	2890.00	0.46	7.45	3.86	7.58	0.000241	1.61	1840.90	360.78	0.22
Valle	3913.221	T=50	1970.00	0.39	6.35	3.80	6.50	0.000403	1.75	1144.68	283.48	0.27
Valle	3913.221	T=100	2420.00	0.39	6.85	4.07	7.03	0.000422	1.92	1287.66	290.96	0.28
Valle	3913.221	T=200	2890.00	0.39	7.34	4.34	7.56	0.000431	2.07	1433.67	297.33	0.29
Valle	3874.844	T=50	1970.00	0.36	6.24	4.17	6.47	0.000673	2.13	939.43	250.67	0.34
Valle	3874.844	T=100	2420.00	0.36	6.73	4.47	7.00	0.000689	2.33	1062.79	257.52	0.35
Valle	3874.844	T=200	2890.00	0.36	7.21	4.77	7.52	0.000692	2.50	1188.11	262.48	0.36
Valle	3845.213	T=50	1970.00	0.38	6.16	4.33	6.45	0.000868	2.37	848.94	235.61	0.39
Valle	3845.213	T=100	2420.00	0.38	6.64	4.65	6.97	0.000886	2.58	962.40	241.09	0.40
Valle	3845.213	T=200	2890.00	0.38	7.11	4.96	7.49	0.000890	2.77	1077.15	246.09	0.41
Valle	3796.397	T=50	1970.00	0.52	6.12	4.50	6.40	0.000954	2.42	876.71	271.86	0.40
Valle	3796.397	T=100	2420.00	0.52	6.60	4.80	6.93	0.000939	2.60	1009.11	277.10	0.41
Valle	3796.397	T=200	2890.00	0.52	7.07	5.10	7.45	0.000926	2.77	1142.73	287.34	0.41
Valle	3747.141	T=50	1970.00	0.49	6.12	4.22	6.34	0.000689	2.17	1011.87	286.75	0.35
Valle	3747.141	T=100	2420.00	0.49	6.61	4.52	6.87	0.000702	2.35	1152.45	291.02	0.36
Valle	3747.141	T=200	2890.00	0.49	7.09	4.80	7.38	0.000701	2.52	1293.91	295.15	0.36
Valle	3697.808	T=50	1970.00	0.29	6.12	3.93	6.30	0.000536	2.01	1120.19	308.16	0.31
Valle	3697.808	T=100	2420.00	0.29	6.60	4.27	6.83	0.000553	2.18	1271.58	311.35	0.32
Valle	3697.808	T=200	2890.00	0.29	7.09	4.57	7.34	0.000559	2.34	1423.62	315.76	0.33
Valle	3645.001	T=50	1970.00	0.08	6.09	4.04	6.27	0.000547	1.99	1156.74	330.03	0.31
Valle	3645.001	T=100	2420.00	0.08	6.58	4.34	6.79	0.000556	2.16	1319.55	334.52	0.32
Valle	3645.001	T=200	2890.00	0.08	7.07	4.62	7.31	0.000556	2.31	1483.83	338.86	0.33
Valle	3600.592	T=50	1970.00	0.07	6.08	4.12	6.25	0.000548	1.94	1221.98	354.47	0.31
Valle	3600.592	T=100	2420.00	0.07	6.57	4.38	6.76	0.000547	2.09	1397.57	358.73	0.32
Valle	3600.592	T=200	2890.00	0.07	7.06	4.63	7.28	0.000539	2.23	1574.01	360.58	0.32
Valle	3556.022	T=50	1970.00	0.23	6.08	3.96	6.22	0.000459	1.82	1331.11	371.32	0.29
Valle	3556.022	T=100	2420.00	0.23	6.57	4.21	6.73	0.000462	1.97	1515.70	374.85	0.29
Valle	3556.022	T=200	2890.00	0.23	7.06	4.45	7.25	0.000461	2.10	1701.07	378.93	0.30
Valle	3517.655	T=50	1970.00	0.22	6.06	3.88	6.20	0.000423	1.77	1375.19	381.58	0.28
Valle	3517.655	T=100	2420.00	0.22	6.56	4.13	6.71	0.000431	1.92	1565.42	386.15	0.28
Valle	3517.655	T=200	2890.00	0.22	7.05	4.37	7.23	0.000431	2.05	1756.95	391.09	0.29
Valle	3477.327	T=50	1970.00	0.30	6.05	3.97	6.18	0.000490	1.80	1365.74	391.90	0.29
Valle	3477.327	T=100	2420.00	0.30	6.54	4.20	6.69	0.000486	1.93	1561.30	396.03	0.30
Valle	3477.327	T=200	2890.00	0.30	7.03	4.43	7.21	0.000477	2.06	1757.80	401.61	0.30
Valle	3438.069	T=50	1970.00	0.20	6.03	3.88	6.16	0.000433	1.74	1421.81	400.04	0.28

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	3438.069	T=100	2420.00	0.20	6.53	4.11	6.67	0.000435	1.87	1621.88	404.76	0.28
Valle	3438.069	T=200	2890.00	0.20	7.02	4.34	7.19	0.000431	1.99	1823.29	409.55	0.29
Valle	3400.185	T=50	1970.00	0.28	5.97	4.06	6.13	0.000629	1.99	1215.25	367.56	0.33
Valle	3400.185	T=100	2420.00	0.28	6.46	4.30	6.65	0.000622	2.13	1398.28	377.10	0.33
Valle	3400.185	T=200	2890.00	0.28	6.95	4.55	7.16	0.000605	2.26	1584.96	386.78	0.33
Valle	3376.255	T=50	1970.00	0.29	5.93	3.98	6.11	0.000633	2.02	1152.71	338.06	0.33
Valle	3376.255	T=100	2420.00	0.29	6.42	4.24	6.63	0.000631	2.17	1318.94	344.05	0.34
Valle	3376.255	T=200	2890.00	0.29	6.91	4.47	7.14	0.000626	2.32	1487.60	355.38	0.34
Valle	3337.304	T=50	1970.00	0.29	5.88	4.09	6.08	0.000721	2.13	1154.27	420.93	0.35
Valle	3337.304	T=100	2420.00	0.29	6.38	4.35	6.60	0.000681	2.22	1368.41	429.78	0.35
Valle	3337.304	T=200	2890.00	0.29	6.88	4.59	7.11	0.000637	2.31	1584.85	437.91	0.34
Valle	3280.426	T=50	1970.00	0.24	5.84	4.05	6.04	0.000762	2.15	1113.83	372.86	0.36
Valle	3280.426	T=100	2420.00	0.24	6.33	4.35	6.56	0.000735	2.29	1303.06	391.32	0.36
Valle	3280.426	T=200	2890.00	0.24	6.82	4.61	7.07	0.000707	2.42	1501.55	431.40	0.36
Valle	3256.96	T=50	1970.00	0.27	5.82	3.97	6.02	0.000749	2.15	1117.33	368.46	0.36
Valle	3256.96	T=100	2420.00	0.27	6.31	4.11	6.54	0.000732	2.30	1302.28	392.26	0.36
Valle	3256.96	T=200	2890.00	0.27	6.80	4.57	7.05	0.000697	2.42	1499.41	406.28	0.36
Valle	3233.864	T=50	1970.00	0.28	5.45	4.12	5.97	0.001603	3.17	620.98	195.74	0.53
Valle	3233.864	T=100	2420.00	0.28	5.84	4.49	6.48	0.001751	3.53	685.93	211.42	0.56
Valle	3233.864	T=200	2890.00	0.28	6.22	4.85	6.98	0.001870	3.85	749.79	236.26	0.58
Valle	3230		Bridge									
Valle	3226.518	T=50	1970.00	0.28	5.31	4.12	5.87	0.001816	3.30	597.52	187.06	0.56
Valle	3226.518	T=100	2420.00	0.28	5.66	4.49	6.35	0.002033	3.69	655.13	204.49	0.60
Valle	3226.518	T=200	2890.00	0.28	5.99	4.85	6.83	0.002230	4.07	710.21	219.57	0.63
Valle	3188.564	T=50	1970.00	0.23	5.51	3.76	5.72	0.000678	2.22	1154.10	361.60	0.35
Valle	3188.564	T=100	2420.00	0.23	5.93	4.05	6.17	0.000709	2.43	1304.80	364.27	0.36
Valle	3188.564	T=200	2890.00	0.23	6.33	4.31	6.61	0.000733	2.61	1452.81	368.04	0.38
Valle	3150.799	T=50	1970.00	0.12	5.53	3.51	5.68	0.000478	1.72	1203.74	365.32	0.29
Valle	3150.799	T=100	2420.00	0.12	5.95	3.74	6.12	0.000499	1.89	1360.69	382.13	0.30
Valle	3150.799	T=200	2890.00	0.12	6.36	3.97	6.56	0.000511	2.04	1518.07	392.06	0.31
Valle	3110.45	T=50	1970.00	0.15	5.51	3.54	5.66	0.000493	1.72	1182.88	369.94	0.29
Valle	3110.45	T=100	2420.00	0.15	5.93	3.77	6.10	0.000509	1.88	1342.36	387.68	0.30
Valle	3110.45	T=200	2890.00	0.15	6.34	4.00	6.54	0.000518	2.02	1502.24	395.13	0.31
Valle	3076.176	T=50	1970.00	0.20	5.49	3.58	5.64	0.000521	1.74	1177.07	378.28	0.30
Valle	3076.176	T=100	2420.00	0.20	5.91	3.81	6.09	0.000533	1.90	1336.70	383.64	0.31
Valle	3076.176	T=200	2890.00	0.20	6.32	4.04	6.52	0.000539	2.04	1494.95	393.79	0.31
Valle	3046.615	T=50	1970.00	0.29	5.47	3.58	5.62	0.000528	1.75	1174.25	372.55	0.30
Valle	3046.615	T=100	2420.00	0.29	5.89	3.82	6.07	0.000539	1.91	1331.01	376.56	0.31
Valle	3046.615	T=200	2890.00	0.29	6.30	4.05	6.51	0.000546	2.05	1485.34	379.99	0.32
Valle	2998.246	T=50	1970.00	0.24	5.41	3.63	5.59	0.000672	1.89	1075.67	367.02	0.33
Valle	2998.246	T=100	2420.00	0.24	5.83	3.89	6.04	0.000671	2.04	1229.64	374.23	0.34
Valle	2998.246	T=200	2890.00	0.24	6.23	4.16	6.47	0.000668	2.19	1383.37	383.62	0.35
Valle	2949.267	T=50	1970.00	0.66	5.35	3.68	5.55	0.000824	2.01	980.97	339.54	0.37
Valle	2949.267	T=100	2420.00	0.66	5.76	3.95	6.00	0.000815	2.18	1127.41	365.84	0.37
Valle	2949.267	T=200	2890.00	0.66	6.16	4.21	6.44	0.000801	2.32	1278.49	383.99	0.38
Valle	2901.098	T=50	1970.00	0.30	5.29	3.56	5.51	0.000825	2.09	944.96	293.24	0.37
Valle	2901.098	T=100	2420.00	0.30	5.69	3.84	5.96	0.000871	2.27	1066.21	311.48	0.39
Valle	2901.098	T=200	2890.00	0.30	6.09	4.10	6.39	0.000871	2.44	1192.44	325.27	0.39
Valle	2852.147	T=50	1970.00	0.27	5.22	3.68	5.47	0.000968	2.21	901.32	305.79	0.40
Valle	2852.147	T=100	2420.00	0.27	5.62	3.97	5.91	0.000977	2.40	1025.12	319.49	0.41
Valle	2852.147	T=200	2890.00	0.27	6.01	4.26	6.34	0.000975	2.57	1152.30	328.43	0.41
Valle	2804.241	T=50	1970.00	0.22	5.22	3.33	5.41	0.000631	1.98	1052.13	330.64	0.33
Valle	2804.241	T=100	2420.00	0.22	5.62	3.61	5.85	0.000664	2.17	1185.62	336.56	0.35
Valle	2804.241	T=200	2890.00	0.22	6.01	3.88	6.29	0.000686	2.35	1319.46	341.25	0.36
Valle	2758.369	T=50	1970.00	0.17	5.21	3.28	5.38	0.000559	1.90	1174.82	382.86	0.31
Valle	2758.369	T=100	2420.00	0.17	5.61	3.54	5.82	0.000604	2.11	1336.88	429.40	0.33
Valle	2758.369	T=200	2890.00	0.17	6.01	3.79	6.25	0.000612	2.26	1510.06	432.94	0.34
Valle	2712.407	T=50	1970.00	0.30	5.19	3.36	5.35	0.000557	1.87	1270.67	422.94	0.31
Valle	2712.407	T=100	2420.00	0.30	5.60	3.60	5.78	0.000574	2.04	1443.23	427.72	0.32
Valle	2712.407	T=200	2890.00	0.30	6.00	3.85	6.21	0.000583	2.18	1616.49	435.12	0.33
Valle	2666.457	T=50	1970.00	0.22	5.18	3.28	5.32	0.000497	1.82	1330.59	432.55	0.30
Valle	2666.457	T=100	2420.00	0.22	5.58	3.52	5.75	0.000518	1.99	1507.16	437.76	0.31

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	2666.457	T=200	2890.00	0.22	5.98	3.74	6.18	0.000532	2.14	1684.60	445.31	0.32
Valle	2618.224	T=50	1970.00	0.28	5.10	3.70	5.29	0.000796	2.10	1168.34	425.94	0.37
Valle	2618.224	T=100	2420.00	0.28	5.50	3.93	5.72	0.000792	2.26	1342.86	437.28	0.37
Valle	2618.224	T=200	2890.00	0.28	5.90	4.15	6.14	0.000779	2.40	1519.76	442.09	0.38
Valle	2559.182	T=50	1970.00	0.21	4.87	3.88	5.21	0.001544	2.70	844.20	350.35	0.50
Valle	2559.182	T=100	2420.00	0.21	5.25	4.15	5.64	0.001507	2.90	986.08	392.88	0.50
Valle	2559.182	T=200	2890.00	0.21	5.62	4.41	6.06	0.001504	3.10	1138.74	417.93	0.51
Valle	2509.26	T=50	1970.00	0.29	4.82	3.60	5.13	0.001259	2.56	892.05	358.13	0.46
Valle	2509.26	T=100	2420.00	0.29	5.20	3.87	5.56	0.001279	2.78	1033.62	390.03	0.47
Valle	2509.26	T=200	2890.00	0.29	5.58	4.12	5.98	0.001260	2.95	1186.94	417.09	0.47
Valle	2464.9	T=50	1970.00	0.31	4.74	3.47	5.07	0.001256	2.61	831.49	338.37	0.46
Valle	2464.9	T=100	2420.00	0.31	5.11	3.78	5.50	0.001304	2.85	965.20	370.23	0.48
Valle	2464.9	T=200	2890.00	0.31	5.49	4.05	5.92	0.001288	3.03	1107.10	380.62	0.48
Valle	2420.723	T=50	1970.00	0.22	4.62	3.28	5.01	0.001436	2.78	717.12	223.49	0.49
Valle	2420.723	T=100	2420.00	0.22	4.94	3.60	5.43	0.001600	3.10	792.69	242.55	0.52
Valle	2420.723	T=200	2890.00	0.22	5.27	3.91	5.85	0.001700	3.38	879.40	286.54	0.55
Valle	2377.207	T=50	1970.00	0.24	4.48	3.38	4.93	0.001832	3.00	667.25	230.73	0.55
Valle	2377.207	T=100	2420.00	0.24	4.78	3.71	5.34	0.002017	3.35	737.93	238.31	0.58
Valle	2377.207	T=200	2890.00	0.24	5.07	4.04	5.75	0.002164	3.67	809.17	244.75	0.61
Valle	2333.898	T=50	1970.00	0.25	4.40	3.39	4.85	0.001795	2.99	686.07	243.92	0.54
Valle	2333.898	T=100	2420.00	0.25	4.69	3.70	5.25	0.002004	3.35	759.74	267.47	0.58
Valle	2333.898	T=200	2890.00	0.25	4.99	3.96	5.65	0.002139	3.66	839.39	273.70	0.61
Valle	2284.514	T=50	1970.00	0.05	4.25	3.45	4.75	0.002227	3.13	654.38	281.29	0.60
Valle	2284.514	T=100	2420.00	0.05	4.54	3.75	5.14	0.002411	3.48	739.60	322.97	0.63
Valle	2284.514	T=200	2890.00	0.05	4.84	4.05	5.54	0.002485	3.75	844.93	371.17	0.65
Valle	2235.894	T=50	1970.00	0.23	4.16	3.39	4.63	0.002399	3.09	708.29	400.16	0.61
Valle	2235.894	T=100	2420.00	0.23	4.47	3.73	5.00	0.002381	3.32	835.04	412.22	0.62
Valle	2235.894	T=200	2890.00	0.23	4.81	4.13	5.39	0.002259	3.48	977.12	423.79	0.62
Valle	2187.939	T=50	1970.00	0.12	3.67	3.56	4.44	0.005014	3.96	553.41	356.43	0.86
Valle	2187.939	T=100	2420.00	0.12	3.89	3.89	4.80	0.005625	4.33	635.25	383.16	0.91
Valle	2187.939	T=200	2890.00	0.12	4.00	4.00	5.15	0.006874	4.89	678.40	395.87	1.02
Valle	2140.63	T=50	1970.00	0.26	3.84	3.17	4.15	0.002101	2.68	897.99	459.00	0.56
Valle	2140.63	T=100	2420.00	0.26	4.08	3.38	4.46	0.002236	2.95	1008.93	469.79	0.59
Valle	2140.63	T=200	2890.00	0.26	4.30	3.59	4.75	0.002389	3.22	1115.91	488.69	0.62
Valle	2093.893	T=50	1970.00	0.30	3.86	2.69	4.04	0.001192	2.11	1163.07	516.20	0.43
Valle	2093.893	T=100	2420.00	0.30	4.11	2.88	4.33	0.001285	2.34	1292.38	518.73	0.45
Valle	2093.893	T=200	2890.00	0.30	4.35	3.08	4.61	0.001369	2.55	1415.76	521.13	0.47
Valle	2049.274	T=50	1970.00	0.31	3.78	2.62	3.98	0.001306	2.14	1087.51	484.92	0.44
Valle	2049.274	T=100	2420.00	0.31	4.02	2.72	4.27	0.001420	2.38	1203.40	486.96	0.47
Valle	2049.274	T=200	2890.00	0.31	4.24	3.09	4.54	0.001536	2.62	1312.64	491.70	0.50
Valle	2004.493	T=50	1970.00	0.23	3.75	2.60	3.92	0.001039	1.94	1195.26	526.88	0.40
Valle	2004.493	T=100	2420.00	0.23	3.99	2.79	4.19	0.001137	2.16	1321.30	530.06	0.42
Valle	2004.493	T=200	2890.00	0.23	4.22	2.96	4.46	0.001230	2.38	1440.90	533.06	0.44
Valle	1959.467	T=50	1970.00	0.01	3.72	2.42	3.87	0.000764	1.82	1242.60	500.61	0.35
Valle	1959.467	T=100	2420.00	0.01	3.95	2.61	4.14	0.000870	2.05	1359.70	504.94	0.38
Valle	1959.467	T=200	2890.00	0.01	4.17	2.79	4.41	0.000970	2.26	1470.93	508.14	0.40
Valle	1917.843	T=50	1970.00	0.32	3.56	2.85	3.81	0.001899	2.34	946.09	508.73	0.52
Valle	1917.843	T=100	2420.00	0.32	3.77	3.04	4.08	0.002058	2.59	1053.22	514.14	0.55
Valle	1917.843	T=200	2890.00	0.32	3.96	3.24	4.33	0.002201	2.84	1153.88	517.35	0.58
Valle	1878.37	T=50	1970.00	0.20	3.51	2.71	3.73	0.001561	2.09	944.95	474.92	0.47
Valle	1878.37	T=100	2420.00	0.20	3.72	2.89	3.99	0.001709	2.33	1042.58	477.54	0.50
Valle	1878.37	T=200	2890.00	0.20	3.91	3.07	4.24	0.001851	2.55	1134.11	479.00	0.53
Valle	1841.208	T=50	1970.00	0.23	3.52	2.57	3.66	0.001120	1.77	1267.10	728.23	0.40
Valle	1841.208	T=100	2420.00	0.23	3.73	2.74	3.91	0.001203	1.96	1427.71	754.24	0.42
Valle	1841.208	T=200	2890.00	0.23	3.94	2.91	4.14	0.001267	2.13	1585.91	779.57	0.44
Valle	1802.255	T=50	1970.00	0.13	3.53	2.07	3.61	0.000591	1.39	1753.25	879.87	0.30
Valle	1802.255	T=100	2420.00	0.13	3.75	2.27	3.85	0.000635	1.53	1950.28	882.18	0.31
Valle	1802.255	T=200	2890.00	0.13	3.97	2.41	4.08	0.000676	1.67	2138.22	884.38	0.33
Valle	1664.735	T=50	1970.00	0.11	3.46	1.98	3.54	0.000614	1.36	1746.12	834.97	0.30
Valle	1664.735	T=100	2420.00	0.11	3.68	2.16	3.78	0.000681	1.53	1929.50	855.67	0.32
Valle	1664.735	T=200	2890.00	0.11	3.89	2.36	4.00	0.000731	1.68	2107.44	862.96	0.34
Valle	1625.59	T=50	1970.00	0.22	3.42	2.36	3.51	0.000955	1.55	1626.65	944.05	0.36

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	1625.59	T=100	2420.00	0.22	3.63	2.54	3.74	0.000989	1.69	1831.54	953.06	0.38
Valle	1625.59	T=200	2890.00	0.22	3.84	2.67	3.97	0.001019	1.83	2029.66	962.60	0.39
Valle	1591.356	T=50	1970.00	0.09	3.36	2.48	3.47	0.001142	1.64	1510.06	1025.25	0.39
Valle	1591.356	T=100	2420.00	0.09	3.57	2.62	3.70	0.001161	1.77	1731.89	1035.17	0.40
Valle	1591.356	T=200	2890.00	0.09	3.79	2.76	3.93	0.001156	1.87	1951.18	1045.90	0.41
Valle	1558.994	T=50	1970.00	0.22	3.31	2.44	3.43	0.001131	1.66	1492.89	1064.01	0.39
Valle	1558.994	T=100	2420.00	0.22	3.53	2.66	3.67	0.001116	1.78	1724.64	1067.92	0.40
Valle	1558.994	T=200	2890.00	0.22	3.74	2.79	3.89	0.001100	1.89	1949.30	1070.76	0.40
Valle	1519.641	T=50	1970.00	0.31	3.29	2.37	3.39	0.000900	1.51	1656.09	1099.82	0.35
Valle	1519.641	T=100	2420.00	0.31	3.51	2.54	3.62	0.000916	1.62	1900.13	1131.69	0.36
Valle	1519.641	T=200	2890.00	0.31	3.72	2.65	3.84	0.000933	1.74	2143.08	1180.46	0.37
Valle	1469.27	T=50	1970.00	0.15	3.26	2.30	3.34	0.000780	1.45	1754.44	1147.71	0.33
Valle	1469.27	T=100	2420.00	0.15	3.47	2.44	3.57	0.000797	1.57	2008.91	1178.93	0.34
Valle	1469.27	T=200	2890.00	0.15	3.69	2.57	3.80	0.000800	1.68	2261.33	1212.73	0.35
Valle	1406.382	T=50	1970.00	0.29	3.20	2.29	3.29	0.000930	1.51	1705.75	1157.76	0.36
Valle	1406.382	T=100	2420.00	0.29	3.42	2.46	3.53	0.000913	1.62	1963.42	1185.31	0.36
Valle	1406.382	T=200	2890.00	0.29	3.63	2.52	3.75	0.000899	1.71	2217.33	1201.92	0.36
Valle	1355.586	T=50	1970.00	0.27	3.16	2.30	3.25	0.000936	1.50	1770.00	1176.00	0.36
Valle	1355.586	T=100	2420.00	0.27	3.38	2.43	3.48	0.000915	1.60	2031.07	1182.42	0.36
Valle	1355.586	T=200	2890.00	0.27	3.59	2.56	3.70	0.000900	1.70	2284.43	1196.17	0.36
Valle	1317.184	T=50	1970.00	0.26	3.13	2.31	3.21	0.000818	1.44	1858.52	1185.22	0.34
Valle	1317.184	T=100	2420.00	0.26	3.35	2.42	3.44	0.000814	1.55	2121.79	1188.70	0.34
Valle	1317.184	T=200	2890.00	0.26	3.56	2.53	3.67	0.000814	1.66	2377.21	1199.59	0.35
Valle	1276.651	T=50	1970.00	0.28	3.10	2.16	3.17	0.000666	1.36	1988.03	1213.34	0.31
Valle	1276.651	T=100	2420.00	0.28	3.33	2.29	3.41	0.000678	1.47	2257.44	1221.84	0.32
Valle	1276.651	T=200	2890.00	0.28	3.54	2.40	3.63	0.000685	1.57	2519.05	1223.71	0.32
Valle	1231.004	T=50	1970.00	0.19	3.08	2.04	3.14	0.000567	1.28	2084.25	1230.71	0.29
Valle	1231.004	T=100	2420.00	0.19	3.30	2.16	3.38	0.000584	1.39	2357.25	1235.58	0.29
Valle	1231.004	T=200	2890.00	0.19	3.52	2.27	3.60	0.000601	1.50	2621.50	1249.48	0.30
Valle	1141.305	T=50	1970.00	0.15	3.04	1.92	3.10	0.000513	1.24	2109.17	1205.90	0.27
Valle	1141.305	T=100	2420.00	0.15	3.26	2.04	3.33	0.000539	1.36	2375.51	1224.31	0.28
Valle	1141.305	T=200	2890.00	0.15	3.47	2.15	3.56	0.000557	1.46	2636.58	1236.75	0.29
Valle	1081.222	T=50	1970.00	0.16	3.02	1.86	3.07	0.000504	1.18	2113.05	1135.57	0.27
Valle	1081.222	T=100	2420.00	0.16	3.23	1.97	3.30	0.000533	1.30	2363.84	1165.71	0.28
Valle	1081.222	T=200	2890.00	0.16	3.44	2.08	3.52	0.000561	1.42	2609.60	1172.70	0.29
Valle	1042.068	T=50	1970.00	0.06	3.00	1.85	3.05	0.000509	1.17	2115.37	1153.64	0.27
Valle	1042.068	T=100	2420.00	0.06	3.21	1.95	3.28	0.000537	1.29	2366.74	1166.02	0.28
Valle	1042.068	T=200	2890.00	0.06	3.42	2.07	3.50	0.000558	1.40	2611.91	1171.82	0.29
Valle	1001.556	T=50	1970.00	0.28	2.98	1.79	3.03	0.000514	1.18	2176.48	1179.59	0.27
Valle	1001.556	T=100	2420.00	0.28	3.19	1.90	3.25	0.000543	1.30	2431.83	1188.97	0.28
Valle	1001.556	T=200	2890.00	0.28	3.40	2.01	3.47	0.000567	1.41	2681.42	1201.34	0.29
Valle	959.7769	T=50	1970.00	0.25	2.95	1.74	3.01	0.000490	1.14	2104.01	1130.81	0.26
Valle	959.7769	T=100	2420.00	0.25	3.17	1.88	3.23	0.000518	1.26	2347.23	1146.17	0.27
Valle	959.7769	T=200	2890.00	0.25	3.37	1.99	3.45	0.000552	1.38	2586.39	1170.24	0.29
Valle	912.7091	T=50	1970.00	0.16	2.92	1.78	2.98	0.000525	1.18	1994.42	1132.30	0.27
Valle	912.7091	T=100	2420.00	0.16	3.13	1.90	3.20	0.000550	1.29	2234.99	1136.59	0.28
Valle	912.7091	T=200	2890.00	0.16	3.33	2.01	3.42	0.000570	1.40	2468.30	1138.85	0.29
Valle	869.4016	T=50	1970.00	0.04	2.90	1.66	2.95	0.000475	1.11	2019.05	1101.85	0.26
Valle	869.4016	T=100	2420.00	0.04	3.11	1.77	3.17	0.000506	1.23	2252.30	1115.19	0.27
Valle	869.4016	T=200	2890.00	0.04	3.31	1.88	3.39	0.000533	1.34	2481.77	1151.93	0.28
Valle	825.697	T=50	1970.00	0.18	2.88	1.54	2.93	0.000365	1.02	2184.74	1175.32	0.23
Valle	825.697	T=100	2420.00	0.18	3.09	1.66	3.15	0.000391	1.13	2432.21	1180.09	0.24
Valle	825.697	T=200	2890.00	0.18	3.29	1.77	3.36	0.000412	1.22	2672.99	1183.38	0.25
Valle	782.1807	T=50	1970.00	0.15	2.85	1.74	2.91	0.000524	1.11	1933.89	1125.32	0.27
Valle	782.1807	T=100	2420.00	0.15	3.06	1.84	3.13	0.000543	1.22	2168.11	1132.08	0.28
Valle	782.1807	T=200	2890.00	0.15	3.26	1.95	3.34	0.000559	1.32	2396.94	1144.14	0.29
Valle	738.702	T=50	1970.00	-0.05	2.84	1.61	2.88	0.000415	1.01	2161.39	1168.89	0.24
Valle	738.702	T=100	2420.00	-0.05	3.04	1.74	3.10	0.000440	1.12	2404.48	1174.90	0.25
Valle	738.702	T=200	2890.00	-0.05	3.25	1.84	3.31	0.000460	1.22	2641.38	1177.96	0.26
Valle	695.2308	T=50	1970.00	0.10	2.81	1.62	2.86	0.000426	1.09	1993.36	1151.95	0.25
Valle	695.2308	T=100	2420.00	0.10	3.01	1.74	3.08	0.000458	1.21	2230.11	1168.90	0.26
Valle	695.2308	T=200	2890.00	0.10	3.21	1.86	3.29	0.000484	1.32	2463.61	1186.63	0.27

HEC-RAS Plan: Sc\_1 River: Posada Reach: Valle (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
Valle	646.2514	T=50	1970.00	0.31	2.72	1.88	2.82	0.000958	1.51	1497.48	923.53	0.36
Valle	646.2514	T=100	2420.00	0.31	2.91	2.01	3.03	0.001013	1.67	1675.49	936.99	0.38
Valle	646.2514	T=200	2890.00	0.31	3.09	2.13	3.24	0.001059	1.81	1850.11	944.84	0.39
Valle	588.6567	T=50	1970.00	0.25	2.65	1.89	2.76	0.001149	1.60	1431.24	931.69	0.39
Valle	588.6567	T=100	2420.00	0.25	2.83	2.02	2.97	0.001204	1.76	1605.35	936.23	0.41
Valle	588.6567	T=200	2890.00	0.25	3.01	2.15	3.17	0.001248	1.90	1776.65	947.96	0.42
Valle	533.2809	T=50	1970.00	0.28	2.58	1.83	2.70	0.001196	1.63	1401.40	928.42	0.40
Valle	533.2809	T=100	2420.00	0.28	2.76	1.97	2.90	0.001259	1.79	1570.70	932.13	0.42
Valle	533.2809	T=200	2890.00	0.28	2.94	2.10	3.10	0.001305	1.94	1737.39	935.69	0.43
Valle	482.8386	T=50	1970.00	0.31	2.50	1.80	2.63	0.001319	1.69	1317.30	845.51	0.42
Valle	482.8386	T=100	2420.00	0.31	2.67	1.93	2.84	0.001427	1.88	1463.07	851.76	0.44
Valle	482.8386	T=200	2890.00	0.31	2.85	2.05	3.04	0.001498	2.05	1608.46	855.44	0.46
Valle	432.3482	T=50	1970.00	0.20	2.41	1.80	2.56	0.001638	1.82	1222.70	819.31	0.46
Valle	432.3482	T=100	2420.00	0.20	2.57	1.93	2.76	0.001766	2.02	1355.26	819.97	0.49
Valle	432.3482	T=200	2890.00	0.20	2.73	2.05	2.95	0.001858	2.20	1487.54	820.62	0.51
Valle	386.4938	T=50	1970.00	0.31	2.29	1.79	2.47	0.002166	2.01	1111.74	800.44	0.53
Valle	386.4938	T=100	2420.00	0.31	2.43	1.93	2.66	0.002368	2.24	1227.75	801.19	0.56
Valle	386.4938	T=200	2890.00	0.31	2.58	2.06	2.85	0.002504	2.44	1345.86	801.94	0.59
Valle	343.2893	T=50	1970.00	0.26	2.12	1.77	2.36	0.003305	2.31	977.04	783.96	0.64
Valle	343.2893	T=100	2420.00	0.26	2.22	1.91	2.53	0.003849	2.62	1058.22	784.69	0.70
Valle	343.2893	T=200	2890.00	0.26	2.33	2.05	2.71	0.004251	2.89	1144.80	785.46	0.74
Valle	300.9984	T=50	1970.00	0.17	2.26	0.95	2.27	0.000165	0.61	5189.33	3475.31	0.15
Valle	300.9984	T=100	2420.00	0.17	2.41	1.01	2.42	0.000184	0.68	5705.65	3486.11	0.16
Valle	300.9984	T=200	2890.00	0.17	2.56	1.07	2.58	0.000195	0.74	6244.02	3491.29	0.17
Valle	258.5858	T=50	1970.00	0.17	2.24	1.00	2.26	0.000184	0.66	5021.99	3460.86	0.16
Valle	258.5858	T=100	2420.00	0.17	2.39	1.10	2.40	0.000203	0.73	5530.96	3479.12	0.17
Valle	258.5858	T=200	2890.00	0.17	2.54	1.17	2.56	0.000217	0.80	6065.81	3505.65	0.18
Valle	216.1262	T=50	1970.00	0.06	2.19	1.07	2.20	0.000252	0.68	4775.23	3409.81	0.18
Valle	216.1262	T=100	2420.00	0.06	2.34	1.14	2.35	0.000276	0.76	5258.00	3420.93	0.19
Valle	216.1262	T=200	2890.00	0.06	2.49	1.19	2.50	0.000290	0.82	5771.23	3437.42	0.20
Valle	173.296	T=50	1970.00	0.29	2.18	1.03	2.19	0.000243	0.71	4851.65	3410.99	0.18
Valle	173.296	T=100	2420.00	0.29	2.32	1.10	2.33	0.000269	0.79	5328.11	3419.17	0.19
Valle	173.296	T=200	2890.00	0.29	2.46	1.16	2.48	0.000284	0.85	5836.70	3422.38	0.20
Valle	133.8239	T=50	1970.00	0.26	2.17	0.96	2.18	0.000233	0.69	4921.76	3449.02	0.18
Valle	133.8239	T=100	2420.00	0.26	2.31	1.04	2.32	0.000260	0.77	5400.22	3457.71	0.19
Valle	133.8239	T=200	2890.00	0.26	2.45	1.11	2.47	0.000276	0.84	5913.04	3472.76	0.20
Valle	93.8667	T=50	1970.00	0.22	2.15	1.01	2.16	0.000354	0.88	4273.06	3502.00	0.22
Valle	93.8667	T=100	2420.00	0.22	2.29	1.09	2.30	0.000398	0.98	4754.76	3536.06	0.23
Valle	93.8667	T=200	2890.00	0.22	2.44	1.16	2.45	0.000404	1.04	5277.25	3555.18	0.24
Valle	49.906	T=50	1970.00	0.21	2.07	1.48	2.13	0.001791	1.86	2134.14	2511.89	0.48
Valle	49.906	T=100	2420.00	0.21	2.20	1.59	2.27	0.001832	1.99	2475.59	2772.62	0.49
Valle	49.906	T=200	2890.00	0.21	2.35	1.68	2.42	0.001761	2.07	2904.66	3075.68	0.49
Valle	4.174107	T=50	1970.00	0.22	1.80	1.68	2.02	0.007000	3.15	1161.90	1927.34	0.92
Valle	4.174107	T=100	2420.00	0.22	1.80	1.77	2.13	0.010563	3.87	1161.90	1927.34	1.13
Valle	4.174107	T=200	2890.00	0.22	1.82	1.82	2.26	0.014030	4.51	1200.70	1993.12	1.30

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle

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 # Chi
Valle	14879.7	T=50	1830.00	10.58	18.88	15.57	19.53	0.001250	3.91	629.83	112.79	0.45
Valle	14879.7	T=100	2260.00	10.58	19.85	16.44	20.60	0.001236	4.21	742.93	119.61	0.46
Valle	14879.7	T=200	2710.00	10.58	20.74	17.17	21.59	0.001258	4.53	852.54	128.23	0.47
Valle	14850	T=50	1830.00	10.07	18.89	15.51	19.48	0.001032	3.67	657.27	112.40	0.41
Valle	14850	T=100	2260.00	10.07	19.86	16.20	20.55	0.001036	3.97	769.77	118.62	0.42
Valle	14850	T=200	2710.00	10.07	20.75	16.84	21.54	0.001066	4.28	878.13	126.73	0.43
Valle	14824.94	T=50	1830.00	10.41	18.74	15.79	19.44	0.001340	3.98	595.22	104.84	0.46
Valle	14824.94	T=100	2260.00	10.41	19.70	16.62	20.51	0.001328	4.29	698.67	111.04	0.47
Valle	14824.94	T=200	2710.00	10.41	20.59	17.30	21.50	0.001327	4.59	798.95	115.73	0.48
Valle	14799.88	T=50	1830.00	9.97	18.70	15.62	19.41	0.001243	3.90	570.32	97.60	0.45
Valle	14799.88	T=100	2260.00	9.97	19.64	16.30	20.47	0.001265	4.25	665.80	105.84	0.46
Valle	14799.88	T=200	2710.00	9.97	20.49	16.96	21.46	0.001306	4.60	759.17	113.78	0.48
Valle	14750	T=50	1830.00	10.03	18.73	15.25	19.32	0.000994	3.56	629.97	102.96	0.40
Valle	14750	T=100	2260.00	10.03	19.68	15.87	20.37	0.001020	3.89	731.34	110.23	0.42
Valle	14750	T=200	2710.00	10.03	20.54	16.49	21.35	0.001065	4.23	828.97	117.77	0.43
Valle	14700	T=50	1830.00	9.97	18.51	15.74	19.24	0.001406	4.11	596.72	109.00	0.48
Valle	14700	T=100	2260.00	9.97	19.47	16.41	20.30	0.001381	4.41	703.67	113.23	0.48
Valle	14700	T=200	2710.00	9.97	20.35	17.09	21.28	0.001388	4.72	804.22	116.85	0.49
Valle	14650	T=50	1830.00	10.08	18.40	15.43	19.17	0.001352	4.10	556.06	94.36	0.47
Valle	14650	T=100	2260.00	10.08	19.32	16.13	20.22	0.001380	4.46	645.57	99.08	0.48
Valle	14650	T=200	2710.00	10.08	20.15	16.88	21.20	0.001430	4.83	729.21	102.46	0.50
Valle	14600	T=50	1830.00	10.04	18.32	15.40	19.10	0.001336	4.04	532.82	91.41	0.47
Valle	14600	T=100	2260.00	10.04	19.24	16.11	20.15	0.001361	4.40	619.10	96.09	0.48
Valle	14600	T=200	2710.00	10.04	20.06	16.84	21.12	0.001407	4.75	699.62	99.32	0.49
Valle	14550	T=50	1830.00	9.99	18.10	15.57	19.01	0.001619	4.40	506.51	90.80	0.51
Valle	14550	T=100	2260.00	9.99	18.98	16.26	20.06	0.001673	4.82	590.04	105.56	0.53
Valle	14550	T=200	2710.00	9.99	19.77	17.04	21.03	0.001747	5.22	677.06	113.57	0.55
Valle	14521.16	T=50	1830.00	10.00	17.98	15.64	18.96	0.001858	4.64	502.06	89.83	0.55
Valle	14521.16	T=100	2260.00	10.00	18.80	16.43	20.00	0.001979	5.14	584.14	105.19	0.57
Valle	14521.16	T=200	2710.00	10.00	19.61	17.08	20.96	0.002013	5.52	672.55	113.73	0.59
Valle	14500.45	T=50	1830.00	9.94	17.92	15.66	18.92	0.001914	4.69	505.62	95.61	0.55
Valle	14500.45	T=100	2260.00	9.94	18.78	16.35	19.95	0.001956	5.10	591.80	104.74	0.57
Valle	14500.45	T=200	2710.00	9.94	19.59	16.69	20.91	0.001993	5.48	679.12	112.92	0.58
Valle	14475.56	T=50	1830.00	9.97	17.92	15.38	18.86	0.001678	4.50	518.37	99.93	0.52
Valle	14475.56	T=100	2260.00	9.97	18.80	16.10	19.88	0.001705	4.87	609.81	107.14	0.53
Valle	14475.56	T=200	2710.00	9.97	19.59	16.87	20.85	0.001777	5.28	698.30	120.10	0.55
Valle	14450.27	T=50	1830.00	9.99	17.92	15.36	18.80	0.001570	4.34	526.18	96.97	0.50
Valle	14450.27	T=100	2260.00	9.99	18.79	16.10	19.82	0.001620	4.74	617.14	109.36	0.52
Valle	14450.27	T=200	2710.00	9.99	19.58	16.74	20.78	0.001685	5.14	709.91	123.54	0.54
Valle	14425.12	T=50	1830.00	9.95	17.91	15.36	18.74	0.001493	4.19	536.55	100.24	0.49
Valle	14425.12	T=100	2260.00	9.95	18.80	16.06	19.76	0.001518	4.55	628.64	108.48	0.50
Valle	14425.12	T=200	2710.00	9.95	19.60	16.72	20.72	0.001572	4.93	724.58	124.05	0.52
Valle	14399.99	T=50	1830.00	9.91	17.94	15.14	18.68	0.001323	4.00	561.42	97.79	0.46
Valle	14399.99	T=100	2260.00	9.91	18.80	15.87	19.71	0.001390	4.40	652.94	113.84	0.48
Valle	14399.99	T=200	2710.00	9.91	19.62	16.51	20.66	0.001432	4.75	752.59	127.43	0.50
Valle	14374.7	T=50	1830.00	9.67	17.97	14.79	18.63	0.001092	3.75	593.30	98.40	0.42
Valle	14374.7	T=100	2260.00	9.67	18.83	15.45	19.65	0.001175	4.17	687.95	119.72	0.45
Valle	14374.7	T=200	2710.00	9.67	19.66	16.07	20.59	0.001212	4.49	790.93	130.19	0.46
Valle	14349.63	T=50	1830.00	9.68	17.96	14.71	18.59	0.001090	3.69	606.93	101.37	0.42
Valle	14349.63	T=100	2260.00	9.68	18.83	15.35	19.61	0.001162	4.10	704.63	122.76	0.44
Valle	14349.63	T=200	2710.00	9.68	19.65	15.95	20.55	0.001209	4.44	811.51	137.12	0.46
Valle	14300	T=50	1830.00	9.70	17.97	14.47	18.52	0.000933	3.46	668.44	116.36	0.39
Valle	14300	T=100	2260.00	9.70	18.86	15.07	19.52	0.000977	3.80	776.19	123.73	0.41
Valle	14300	T=200	2710.00	9.70	19.69	15.69	20.46	0.001019	4.12	882.77	136.08	0.42
Valle	14251.39	T=50	1830.00	9.44	17.97	14.03	18.45	0.000753	3.17	698.60	120.20	0.35
Valle	14251.39	T=100	2260.00	9.44	18.88	14.64	19.45	0.000781	3.47	810.60	126.18	0.37
Valle	14251.39	T=200	2710.00	9.44	19.71	15.23	20.38	0.000828	3.78	921.71	149.43	0.38
Valle	14224.5	T=50	1830.00	9.31	17.97	13.87	18.43	0.000699	3.11	731.36	124.87	0.34
Valle	14224.5	T=100	2260.00	9.31	18.88	14.48	19.42	0.000730	3.41	848.27	132.08	0.36
Valle	14224.5	T=200	2710.00	9.31	19.71	15.05	20.35	0.000778	3.72	965.98	156.51	0.37
Valle	14193.88	T=50	1830.00	9.53	17.94	14.17	18.40	0.000756	3.17	733.84	124.59	0.35
Valle	14193.88	T=100	2260.00	9.53	18.85	14.80	19.40	0.000783	3.46	849.93	131.71	0.37
Valle	14193.88	T=200	2710.00	9.53	19.65	15.36	20.32	0.000864	3.85	967.83	173.22	0.39



HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	14172	T=50	1830.00	9.46	17.89	14.37	18.38	0.000850	3.26	706.78	126.67	0.37
Valle	14172	T=100	2260.00	9.46	18.81	14.93	19.38	0.000858	3.52	824.33	130.26	0.38
Valle	14172	T=200	2710.00	9.46	19.62	15.64	20.30	0.000922	3.88	935.23	155.51	0.40
Valle	14150	T=50	1830.00	9.24	17.87	14.40	18.36	0.000874	3.30	735.88	152.99	0.38
Valle	14150	T=100	2260.00	9.24	18.80	15.03	19.35	0.000851	3.51	880.15	154.71	0.38
Valle	14150	T=200	2710.00	9.24	19.65	15.65	20.26	0.000861	3.75	1012.37	161.58	0.39
Valle	14122.54	T=50	1830.00	9.56	17.84	14.51	18.34	0.000975	3.38	752.75	159.94	0.39
Valle	14122.54	T=100	2260.00	9.56	18.78	15.34	19.33	0.000930	3.57	906.81	166.11	0.39
Valle	14122.54	T=200	2710.00	9.56	19.63	16.13	20.23	0.000923	3.80	1051.60	174.65	0.40
Valle	14090.99	T=50	1830.00	9.12	17.78	15.02	18.30	0.001139	3.50	742.31	158.57	0.42
Valle	14090.99	T=100	2260.00	9.12	18.73	15.42	19.29	0.001064	3.68	895.69	164.99	0.42
Valle	14090.99	T=200	2710.00	9.12	19.59	16.43	20.20	0.001029	3.88	1041.77	171.01	0.42
Valle	14050	T=50	1830.00	9.18	17.66	15.29	18.25	0.001220	3.69	686.27	141.98	0.43
Valle	14050	T=100	2260.00	9.18	18.59	15.93	19.24	0.001169	3.91	821.33	147.02	0.43
Valle	14050	T=200	2710.00	9.18	19.42	16.51	20.15	0.001170	4.17	953.08	165.73	0.44
Valle	14015.13	T=50	1830.00	9.18	17.70	14.85	18.18	0.000962	3.27	736.12	145.58	0.38
Valle	14015.13	T=100	2260.00	9.18	18.63	15.47	19.17	0.000942	3.50	875.82	153.97	0.39
Valle	14015.13	T=200	2710.00	9.18	19.48	16.01	20.07	0.000933	3.72	1007.60	157.38	0.39
Valle	13970.09	T=50	1830.00	9.28	17.67	15.20	18.13	0.000975	3.26	797.50	170.54	0.39
Valle	13970.09	T=100	2260.00	9.28	18.63	15.75	19.11	0.000907	3.42	964.98	178.65	0.38
Valle	13970.09	T=200	2710.00	9.28	19.49	16.29	20.01	0.000870	3.58	1119.99	181.17	0.38
Valle	13938.06	T=50	1830.00	9.45	17.60	15.45	18.09	0.001110	3.39	792.16	190.18	0.42
Valle	13938.06	T=100	2260.00	9.45	18.59	15.94	19.08	0.000977	3.48	984.15	198.76	0.40
Valle	13938.06	T=200	2710.00	9.45	19.46	16.52	19.98	0.000913	3.61	1160.29	204.88	0.39
Valle	13908.91	T=50	1830.00	9.53	17.55	15.44	18.06	0.001166	3.42	771.44	187.70	0.42
Valle	13908.91	T=100	2260.00	9.53	18.53	16.05	19.05	0.001033	3.53	966.17	206.43	0.41
Valle	13908.91	T=200	2710.00	9.53	19.42	16.54	19.95	0.000946	3.63	1152.49	212.96	0.40
Valle	13884.98	T=50	1830.00	9.13	17.57	15.25	18.01	0.000988	3.21	832.35	199.69	0.39
Valle	13884.98	T=100	2260.00	9.13	18.56	15.84	19.01	0.000874	3.30	1036.31	211.68	0.38
Valle	13884.98	T=200	2710.00	9.13	19.44	16.33	19.91	0.000821	3.44	1228.59	224.06	0.37
Valle	13856.93	T=50	1830.00	9.79	17.55	15.41	17.98	0.001025	3.20	862.03	206.90	0.40
Valle	13856.93	T=100	2260.00	9.79	18.55	15.91	18.97	0.000881	3.26	1072.69	212.91	0.38
Valle	13856.93	T=200	2710.00	9.79	19.45	16.39	19.88	0.000807	3.36	1263.54	214.96	0.37
Valle	13830	T=50	1830.00	8.49	17.58	14.53	17.93	0.000751	2.91	933.05	209.18	0.34
Valle	13830	T=100	2260.00	8.49	18.57	15.40	18.94	0.000678	3.01	1144.18	215.67	0.33
Valle	13830	T=200	2710.00	8.49	19.46	15.93	19.85	0.000646	3.14	1338.93	223.01	0.33
Valle	13800	T=50	1830.00	8.08	17.62	13.78	17.89	0.000530	2.52	1074.05	243.39	0.29
Valle	13800	T=100	2260.00	8.08	18.61	14.49	18.89	0.000485	2.62	1321.42	253.00	0.28
Valle	13800	T=200	2710.00	8.08	19.50	15.35	19.80	0.000466	2.74	1550.57	263.25	0.28
Valle	13783.29	T=50	1830.00	8.43	17.63	13.36	17.87	0.000461	2.36	1117.73	241.10	0.27
Valle	13783.29	T=100	2260.00	8.43	18.62	14.25	18.88	0.000429	2.47	1362.20	252.54	0.27
Valle	13783.29	T=200	2710.00	8.43	19.51	14.74	19.79	0.000416	2.59	1592.27	264.14	0.27
Valle	13767.3	T=50	1830.00	8.39	17.65	13.19	17.85	0.000396	2.18	1311.71	318.65	0.25
Valle	13767.3	T=100	2260.00	8.39	18.65	13.44	18.86	0.000364	2.27	1649.83	364.76	0.25
Valle	13767.3	T=200	2710.00	8.39	19.55	14.43	19.76	0.000339	2.34	1994.54	392.65	0.24
Valle	13752.25	T=50	1830.00	8.27	17.66	12.92	17.84	0.000378	2.11	1249.63	237.63	0.25
Valle	13752.25	T=100	2260.00	8.27	18.65	13.46	18.85	0.000357	2.23	1490.09	247.15	0.24
Valle	13752.25	T=200	2710.00	8.27	19.53	13.74	19.76	0.000355	2.38	1716.79	264.63	0.25
Valle	13734.86	T=50	1830.00	8.26	17.55	13.34	17.82	0.000567	2.50	970.60	195.40	0.30
Valle	13734.86	T=100	2260.00	8.26	18.53	14.10	18.83	0.000538	2.65	1169.94	212.13	0.30
Valle	13734.86	T=200	2710.00	8.26	19.40	14.79	19.74	0.000532	2.82	1364.22	233.93	0.30
Valle	13710.16	T=50	1830.00	8.51	17.44	13.52	17.80	0.000797	2.88	864.46	217.94	0.35
Valle	13710.16	T=100	2260.00	8.51	18.41	14.40	18.81	0.000746	3.04	1106.29	273.54	0.35
Valle	13710.16	T=200	2710.00	8.51	19.31	14.99	19.72	0.000683	3.13	1386.19	341.84	0.34
Valle	13679.59	T=50	1830.00	8.45	17.37	14.02	17.77	0.000840	3.00	812.35	169.17	0.36
Valle	13679.59	T=100	2260.00	8.45	18.34	14.71	18.78	0.000801	3.20	984.52	188.20	0.36
Valle	13679.59	T=200	2710.00	8.45	19.20	15.20	19.68	0.000784	3.39	1152.23	202.86	0.36
Valle	13650	T=50	1830.00	8.42	17.26	13.98	17.74	0.000969	3.24	728.76	150.34	0.39
Valle	13650	T=100	2260.00	8.42	18.21	14.72	18.74	0.000930	3.45	880.08	167.20	0.39
Valle	13650	T=200	2710.00	8.42	19.06	15.16	19.65	0.000915	3.66	1026.88	178.50	0.39
Valle	13630.1	T=50	1830.00	8.41	17.09	14.19	17.70	0.001240	3.67	649.10	135.99	0.44
Valle	13630.1	T=100	2260.00	8.41	18.01	14.92	18.71	0.001218	3.95	781.65	156.87	0.44

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	13630.1	T=200	2710.00	8.41	18.84	15.18	19.61	0.001207	4.19	920.70	175.86	0.45
Valle	13606.86	T=50	1830.00	8.25	16.90	14.48	17.65	0.001573	4.03	577.54	127.54	0.49
Valle	13606.86	T=100	2260.00	8.25	17.83	15.10	18.66	0.001503	4.29	700.52	143.98	0.49
Valle	13606.86	T=200	2710.00	8.25	18.64	15.78	19.56	0.001485	4.56	828.56	165.32	0.50
Valle	13581.61	T=50	1830.00	8.24	16.72	14.82	17.59	0.002175	4.59	567.80	136.29	0.57
Valle	13581.61	T=100	2260.00	8.24	17.68	15.60	18.61	0.001975	4.79	712.15	170.98	0.56
Valle	13581.61	T=200	2710.00	8.24	18.58	16.21	19.52	0.001791	4.92	869.01	178.35	0.54
Valle	13549.57	T=50	1830.00	8.92	16.95	14.36	17.41	0.001386	3.74	912.25	285.05	0.46
Valle	13549.57	T=100	2260.00	8.92	18.00	14.77	18.40	0.001086	3.65	1230.59	318.39	0.42
Valle	13549.57	T=200	2710.00	8.92	18.93	15.71	19.31	0.000917	3.61	1537.56	335.60	0.39
Valle	13500	T=50	1830.00	9.08	16.99	14.09	17.32	0.000869	3.18	1068.11	253.32	0.37
Valle	13500	T=100	2260.00	9.08	18.01	14.50	18.34	0.000753	3.23	1341.47	286.79	0.36
Valle	13500	T=200	2710.00	9.08	18.93	15.33	19.26	0.000685	3.30	1615.11	308.40	0.35
Valle	13450	T=50	1830.00	9.13	17.05	13.48	17.25	0.000533	2.56	1363.80	268.98	0.30
Valle	13450	T=100	2260.00	9.13	18.07	13.76	18.27	0.000480	2.64	1647.84	288.12	0.29
Valle	13450	T=200	2710.00	9.13	18.98	14.35	19.19	0.000458	2.76	1919.92	313.56	0.28
Valle	13400	T=50	1830.00	8.30	17.06	12.62	17.21	0.000387	2.32	1484.64	259.72	0.26
Valle	13400	T=100	2260.00	8.30	18.07	13.20	18.24	0.000374	2.46	1754.18	274.72	0.26
Valle	13400	T=200	2710.00	8.30	18.98	13.46	19.17	0.000368	2.59	2008.30	284.05	0.26
Valle	13350	T=50	1830.00	8.02	17.08	11.78	17.18	0.000259	1.92	1701.87	245.67	0.21
Valle	13350	T=100	2260.00	8.02	18.09	12.17	18.21	0.000263	2.09	1954.97	254.83	0.22
Valle	13350	T=200	2710.00	8.02	19.00	12.53	19.13	0.000269	2.24	2188.73	258.84	0.22
Valle	13324.55	T=50	1830.00	8.20	17.06	11.95	17.17	0.000298	2.00	1620.15	245.59	0.22
Valle	13324.55	T=100	2260.00	8.20	18.07	12.37	18.20	0.000296	2.15	1871.69	251.51	0.23
Valle	13324.55	T=200	2710.00	8.20	18.98	12.68	19.13	0.000305	2.33	2104.41	260.76	0.23
Valle	13299.47	T=50	1830.00	8.19	17.04	12.02	17.17	0.000334	2.11	1570.24	245.20	0.24
Valle	13299.47	T=100	2260.00	8.19	18.05	12.44	18.19	0.000324	2.25	1819.49	247.16	0.24
Valle	13299.47	T=200	2710.00	8.19	18.96	12.84	19.12	0.000326	2.40	2044.90	249.23	0.24
Valle	13250	T=50	1830.00	7.79	17.02	12.65	17.15	0.000360	2.28	1614.23	268.01	0.25
Valle	13250	T=100	2260.00	7.79	18.03	13.33	18.18	0.000344	2.40	1889.43	273.53	0.25
Valle	13250	T=200	2710.00	7.79	18.95	13.70	19.10	0.000343	2.54	2142.15	285.00	0.25
Valle	13200	T=50	1830.00	8.08	17.01	11.51	17.12	0.000344	2.17	1622.96	244.36	0.24
Valle	13200	T=100	2260.00	8.08	18.03	12.61	18.15	0.000339	2.32	1873.80	253.55	0.24
Valle	13200	T=200	2710.00	8.08	18.94	13.00	19.08	0.000342	2.48	2117.52	273.20	0.25
Valle	13150	T=50	1830.00	7.92	16.99	11.21	17.10	0.000402	2.34	1512.55	224.78	0.26
Valle	13150	T=100	2260.00	7.92	18.00	12.47	18.13	0.000400	2.52	1743.60	231.70	0.26
Valle	13150	T=200	2710.00	7.92	18.90	12.84	19.06	0.000411	2.71	1956.37	239.94	0.27
Valle	13100	T=50	1830.00	8.14	16.92	11.51	17.08	0.000453	2.47	1317.14	208.49	0.27
Valle	13100	T=100	2260.00	8.14	17.92	11.94	18.11	0.000456	2.68	1535.29	225.24	0.28
Valle	13100	T=200	2710.00	8.14	18.82	12.40	19.03	0.000468	2.89	1742.36	237.32	0.29
Valle	13050	T=50	1830.00	7.35	16.81	12.25	17.05	0.000507	2.61	1117.15	183.40	0.29
Valle	13050	T=100	2260.00	7.35	17.79	12.88	18.07	0.000517	2.83	1309.28	207.63	0.30
Valle	13050	T=200	2710.00	7.35	18.68	13.34	19.00	0.000521	3.03	1501.18	220.10	0.30
Valle	13023.7	T=50	1830.00	7.30	16.63	12.92	17.02	0.000719	3.14	884.86	155.79	0.35
Valle	13023.7	T=100	2260.00	7.30	17.59	13.45	18.04	0.000732	3.41	1044.58	178.02	0.36
Valle	13023.7	T=200	2710.00	7.30	18.45	14.01	18.96	0.000759	3.68	1208.49	206.62	0.37
Valle	12994	T=50	1830.00	7.54	16.42	13.25	16.97	0.001011	3.67	742.45	145.87	0.41
Valle	12994	T=100	2260.00	7.54	17.37	13.82	18.00	0.001020	3.97	892.87	174.53	0.42
Valle	12994	T=200	2710.00	7.54	18.19	14.39	18.91	0.001069	4.30	1055.38	218.62	0.43
Valle	12950	T=50	1830.00	6.95	16.35	13.23	16.93	0.000987	3.76	792.30	173.21	0.41
Valle	12950	T=100	2260.00	6.95	17.32	13.69	17.95	0.000973	4.01	970.13	199.56	0.41
Valle	12950	T=200	2710.00	6.95	18.17	14.60	18.85	0.000979	4.25	1149.50	227.39	0.42
Valle	12900	T=50	1830.00	6.99	16.19	13.34	16.87	0.001133	3.92	696.39	159.74	0.43
Valle	12900	T=100	2260.00	6.99	17.16	14.16	17.89	0.001107	4.17	867.57	193.70	0.43
Valle	12900	T=200	2710.00	6.99	18.03	14.78	18.80	0.001077	4.36	1047.92	225.42	0.44
Valle	12850	T=50	1830.00	7.10	16.11	13.29	16.80	0.001266	4.05	696.67	154.62	0.45
Valle	12850	T=100	2260.00	7.10	17.08	13.74	17.83	0.001231	4.31	856.24	190.16	0.46
Valle	12850	T=200	2710.00	7.10	17.95	14.45	18.74	0.001190	4.50	1063.10	283.61	0.46
Valle	12800	T=50	1830.00	6.68	16.13	12.77	16.71	0.001049	3.76	852.70	310.37	0.42
Valle	12800	T=100	2260.00	6.68	17.19	13.89	17.71	0.000864	3.69	1217.69	384.30	0.39
Valle	12800	T=200	2710.00	6.68	18.11	14.24	18.60	0.000784	3.75	1614.38	471.91	0.37
Valle	12750	T=50	1830.00	7.14	16.05	12.64	16.66	0.000998	3.71	723.05	211.16	0.41

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	12750	T=100	2260.00	7.14	16.98	13.54	17.66	0.000995	3.97	942.98	248.71	0.42
Valle	12750	T=200	2710.00	7.14	17.85	14.24	18.54	0.000947	4.11	1179.19	307.41	0.41
Valle	12700	T=50	1830.00	6.49	16.11	11.86	16.58	0.000698	3.19	746.48	133.07	0.34
Valle	12700	T=100	2260.00	6.49	17.02	12.48	17.58	0.000733	3.49	875.81	155.14	0.36
Valle	12700	T=200	2710.00	6.49	17.84	13.24	18.48	0.000774	3.78	1015.62	193.23	0.37
Valle	12650	T=50	1830.00	6.00	16.16	11.03	16.51	0.000480	2.72	818.23	135.15	0.29
Valle	12650	T=100	2260.00	6.00	17.08	11.65	17.51	0.000516	3.01	954.77	161.40	0.30
Valle	12650	T=200	2710.00	6.00	17.91	12.25	18.40	0.000551	3.27	1100.23	186.33	0.32
Valle	12600	T=50	1830.00	6.74	16.20	10.95	16.46	0.000368	2.35	925.66	146.01	0.25
Valle	12600	T=100	2260.00	6.74	17.13	11.50	17.45	0.000392	2.59	1070.92	164.07	0.26
Valle	12600	T=200	2710.00	6.74	17.97	12.04	18.34	0.000420	2.83	1215.18	182.55	0.28
Valle	12550	T=50	1830.00	6.33	16.24	10.38	16.42	0.000243	1.92	1057.94	152.50	0.20
Valle	12550	T=100	2260.00	6.33	17.19	10.86	17.41	0.000263	2.13	1208.16	170.02	0.22
Valle	12550	T=200	2710.00	6.33	18.03	11.35	18.29	0.000283	2.33	1356.79	181.55	0.23
Valle	12500	T=50	1830.00	5.94	16.24	10.16	16.41	0.000222	1.88	1130.76	162.53	0.20
Valle	12500	T=100	2260.00	5.94	17.18	10.67	17.39	0.000241	2.09	1287.74	172.02	0.21
Valle	12500	T=200	2710.00	5.94	18.03	11.16	18.27	0.000261	2.29	1436.88	182.82	0.22
Valle	12450	T=50	1830.00	5.75	16.19	10.09	16.39	0.000261	2.06	1013.97	139.64	0.21
Valle	12450	T=100	2260.00	5.75	17.12	10.65	17.37	0.000286	2.30	1151.16	158.61	0.23
Valle	12450	T=200	2710.00	5.75	17.95	11.17	18.25	0.000312	2.52	1289.02	172.56	0.24
Valle	12400	T=50	1830.00	5.63	15.96	11.38	16.36	0.000563	2.91	801.86	144.43	0.31
Valle	12400	T=100	2260.00	5.63	16.87	12.09	17.33	0.000598	3.20	938.40	156.81	0.32
Valle	12400	T=200	2710.00	5.63	17.67	12.74	18.21	0.000639	3.48	1067.96	165.73	0.34
Valle	12350	T=50	1830.00	5.73	15.36	12.82	16.26	0.001486	4.56	586.44	135.76	0.50
Valle	12350	T=100	2260.00	5.73	16.19	13.47	17.23	0.001565	4.97	710.05	160.21	0.52
Valle	12350	T=200	2710.00	5.73	16.97	14.34	18.10	0.001586	5.28	838.75	167.32	0.53
Valle	12300	T=50	1830.00	5.60	15.53	11.57	16.11	0.000857	3.57	698.58	138.77	0.38
Valle	12300	T=100	2260.00	5.60	16.38	12.41	17.06	0.000924	3.93	825.43	161.66	0.40
Valle	12300	T=200	2710.00	5.60	17.15	13.24	17.94	0.000986	4.27	958.67	179.18	0.42
Valle	12250	T=50	1830.00	5.77	15.51	11.43	16.06	0.000850	3.42	674.91	138.99	0.37
Valle	12250	T=100	2260.00	5.77	16.35	12.14	17.01	0.000913	3.77	803.17	169.30	0.39
Valle	12250	T=200	2710.00	5.77	17.13	12.45	17.88	0.000959	4.08	950.16	200.39	0.41
Valle	12200	T=50	1830.00	5.70	15.53	10.68	16.00	0.000610	3.13	709.83	130.06	0.32
Valle	12200	T=100	2260.00	5.70	16.37	11.37	16.95	0.000672	3.48	821.37	135.30	0.35
Valle	12200	T=200	2710.00	5.70	17.14	12.10	17.81	0.000733	3.81	926.76	139.25	0.37
Valle	12174.76	T=50	1830.00	5.67	15.53	10.66	15.98	0.000592	3.01	709.16	123.37	0.32
Valle	12174.76	T=100	2260.00	5.67	16.38	11.34	16.92	0.000655	3.36	815.62	130.08	0.34
Valle	12174.76	T=200	2710.00	5.67	17.14	11.95	17.79	0.000716	3.69	917.52	136.47	0.36
Valle	12148.17	T=50	1830.00	5.76	15.56	10.39	15.94	0.000503	2.78	754.52	116.89	0.29
Valle	12148.17	T=100	2260.00	5.76	16.41	11.06	16.88	0.000561	3.11	857.11	125.14	0.31
Valle	12148.17	T=200	2710.00	5.76	17.18	11.69	17.75	0.000617	3.43	956.26	132.18	0.33
Valle	12101.3	T=50	1830.00	5.82	15.45	10.68	15.91	0.000669	3.20	727.46	106.76	0.34
Valle	12101.3	T=100	2260.00	5.82	16.24	11.34	16.84	0.000774	3.64	824.91	132.13	0.37
Valle	12101.3	T=200	2710.00	5.82	16.99	11.97	17.70	0.000846	4.00	924.92	135.72	0.39
Valle	12075.52	T=50	1830.00	5.77	15.42	10.98	15.89	0.000717	3.28	762.39	130.70	0.35
Valle	12075.52	T=100	2260.00	5.77	16.24	11.61	16.81	0.000793	3.66	882.75	162.47	0.37
Valle	12075.52	T=200	2710.00	5.77	16.99	12.25	17.67	0.000860	4.00	1006.70	167.88	0.39
Valle	12050	T=50	1830.00	5.69	15.35	11.36	15.87	0.000817	3.50	802.45	171.70	0.37
Valle	12050	T=100	2260.00	5.69	16.19	12.09	16.79	0.000869	3.83	957.18	206.28	0.39
Valle	12050	T=200	2710.00	5.69	16.98	12.75	17.64	0.000893	4.09	1127.59	219.87	0.40
Valle	12000	T=50	1830.00	5.91	15.45	11.23	15.77	0.000637	3.16	1188.35	289.13	0.33
Valle	12000	T=100	2260.00	5.91	16.32	11.83	16.68	0.000658	3.41	1452.31	316.99	0.34
Valle	12000	T=200	2710.00	5.91	17.16	12.60	17.51	0.000613	3.47	1720.50	320.72	0.33
Valle	11950	T=50	1830.00	5.79	15.44	11.95	15.73	0.000694	2.94	1118.40	229.13	0.33
Valle	11950	T=100	2260.00	5.79	16.32	12.43	16.63	0.000679	3.12	1326.40	240.44	0.33
Valle	11950	T=200	2710.00	5.79	17.14	12.86	17.47	0.000675	3.30	1525.60	248.91	0.34
Valle	11900	T=50	1830.00	6.90	15.32	12.25	15.68	0.000766	2.93	908.10	208.01	0.35
Valle	11900	T=100	2260.00	6.90	16.17	12.81	16.58	0.000770	3.16	1094.28	224.19	0.35
Valle	11900	T=200	2710.00	6.90	16.99	13.27	17.43	0.000742	3.31	1279.91	228.90	0.35
Valle	11850	T=50	1830.00	5.80	15.35	10.76	15.63	0.000510	2.57	1043.60	211.60	0.29
Valle	11850	T=100	2260.00	5.80	16.21	11.47	16.52	0.000522	2.78	1234.33	227.06	0.30
Valle	11850	T=200	2710.00	5.80	17.02	11.98	17.37	0.000524	2.96	1420.07	229.17	0.30

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	11800	T=50	1830.00	5.18	15.32	10.41	15.60	0.000435	2.53	1070.97	227.10	0.27
Valle	11800	T=100	2260.00	5.18	16.18	11.08	16.50	0.000450	2.74	1269.25	232.69	0.28
Valle	11800	T=200	2710.00	5.18	17.00	11.80	17.34	0.000460	2.92	1459.87	236.13	0.29
Valle	11750	T=50	1830.00	5.17	15.31	9.98	15.58	0.000388	2.49	1096.57	228.99	0.26
Valle	11750	T=100	2260.00	5.17	16.17	10.59	16.48	0.000408	2.71	1295.66	234.71	0.27
Valle	11750	T=200	2710.00	5.17	16.98	11.34	17.32	0.000423	2.90	1487.05	237.11	0.28
Valle	11700	T=50	1830.00	5.06	15.36	9.14	15.54	0.000237	2.02	1311.44	256.33	0.20
Valle	11700	T=100	2260.00	5.06	16.22	9.76	16.43	0.000254	2.21	1536.51	264.10	0.22
Valle	11700	T=200	2710.00	5.06	17.03	10.27	17.27	0.000267	2.38	1753.86	269.47	0.22
Valle	11650	T=50	1830.00	4.92	15.39	8.62	15.51	0.000155	1.65	1663.11	281.23	0.17
Valle	11650	T=100	2260.00	4.92	16.26	9.10	16.40	0.000167	1.81	1910.63	288.45	0.18
Valle	11650	T=200	2710.00	4.92	17.08	9.56	17.24	0.000178	1.96	2148.71	291.45	0.18
Valle	11620.92	T=50	1830.00	4.92	15.36	9.16	15.50	0.000200	1.83	1490.62	279.01	0.19
Valle	11620.92	T=100	2260.00	4.92	16.22	9.67	16.39	0.000212	2.00	1735.02	283.58	0.20
Valle	11620.92	T=200	2710.00	4.92	17.04	10.12	17.23	0.000223	2.15	1968.33	287.57	0.20
Valle	11600	T=50	1830.00	5.13	15.34	9.37	15.50	0.000223	1.87	1435.40	276.07	0.20
Valle	11600	T=100	2260.00	5.13	16.21	9.90	16.38	0.000235	2.04	1677.70	282.63	0.20
Valle	11600	T=200	2710.00	5.13	17.03	10.44	17.22	0.000245	2.19	1909.85	285.40	0.21
Valle	11582.21	T=50	1830.00	7.59	15.29	11.26	15.49	0.000394	2.11	1196.87	263.03	0.25
Valle	11582.21	T=100	2260.00	7.59	16.16	11.74	16.38	0.000382	2.24	1427.05	266.32	0.25
Valle	11582.21	T=200	2710.00	7.59	16.98	12.17	17.21	0.000378	2.38	1648.98	276.52	0.25
Valle	11570		Bridge									
Valle	11567.88	T=50	1830.00	6.33	15.29	10.90	15.47	0.000349	2.03	1204.50	244.30	0.24
Valle	11567.88	T=100	2260.00	6.33	16.15	11.38	16.36	0.000348	2.18	1417.74	248.57	0.24
Valle	11567.88	T=200	2710.00	6.33	16.96	11.80	17.20	0.000351	2.33	1625.68	259.30	0.25
Valle	11550	T=50	1830.00	4.73	15.30	9.37	15.46	0.000228	1.88	1285.42	222.90	0.20
Valle	11550	T=100	2260.00	4.73	16.16	9.89	16.35	0.000246	2.07	1479.20	227.58	0.21
Valle	11550	T=200	2710.00	4.73	16.97	10.37	17.19	0.000262	2.25	1665.47	232.74	0.22
Valle	11500	T=50	1830.00	4.92	15.21	9.98	15.44	0.000344	2.23	1049.59	172.83	0.24
Valle	11500	T=100	2260.00	4.92	16.05	10.48	16.33	0.000375	2.47	1197.72	179.31	0.25
Valle	11500	T=200	2710.00	4.92	16.84	10.97	17.16	0.000403	2.70	1341.28	187.11	0.27
Valle	11450	T=50	1830.00	4.82	15.00	10.90	15.40	0.000626	3.19	932.84	168.19	0.33
Valle	11450	T=100	2260.00	4.82	15.81	11.54	16.28	0.000680	3.51	1072.26	175.37	0.35
Valle	11450	T=200	2710.00	4.82	16.58	12.44	17.11	0.000727	3.80	1210.01	182.81	0.36
Valle	11400	T=50	1830.00	4.72	15.08	10.52	15.33	0.000407	2.50	1148.06	214.82	0.26
Valle	11400	T=100	2260.00	4.72	15.91	11.07	16.20	0.000436	2.73	1330.94	226.61	0.28
Valle	11400	T=200	2710.00	4.72	16.69	11.74	17.03	0.000458	2.95	1512.78	237.08	0.29
Valle	11350	T=50	1830.00	4.89	14.96	11.41	15.30	0.000654	3.03	1055.00	219.94	0.33
Valle	11350	T=100	2260.00	4.89	15.79	11.88	16.17	0.000679	3.28	1243.58	235.95	0.34
Valle	11350	T=200	2710.00	4.89	16.58	12.82	16.99	0.000686	3.48	1435.78	247.43	0.35
Valle	11300	T=50	1830.00	4.83	15.01	10.04	15.24	0.000352	2.40	1217.94	226.38	0.25
Valle	11300	T=100	2260.00	4.83	15.84	10.60	16.11	0.000387	2.66	1413.79	249.61	0.26
Valle	11300	T=200	2710.00	4.83	16.63	11.38	16.94	0.000404	2.85	1614.12	258.64	0.27
Valle	11250	T=50	1830.00	4.68	15.08	8.39	15.20	0.000151	1.60	1446.62	201.59	0.16
Valle	11250	T=100	2260.00	4.68	15.92	8.87	16.06	0.000172	1.80	1621.25	214.64	0.18
Valle	11250	T=200	2710.00	4.68	16.71	9.28	16.88	0.000190	1.98	1796.21	226.81	0.19
Valle	11225.57	T=50	1830.00	4.68	15.03	8.91	15.19	0.000217	1.88	1309.35	193.16	0.19
Valle	11225.57	T=100	2260.00	4.68	15.86	9.53	16.05	0.000242	2.10	1471.06	198.01	0.21
Valle	11225.57	T=200	2710.00	4.68	16.64	10.08	16.87	0.000267	2.32	1628.97	206.76	0.22
Valle	11199.59	T=50	1830.00	4.61	14.97	9.67	15.18	0.000317	2.26	1174.96	174.14	0.23
Valle	11199.59	T=100	2260.00	4.61	15.78	10.28	16.04	0.000355	2.53	1318.29	179.96	0.25
Valle	11199.59	T=200	2710.00	4.61	16.55	10.83	16.86	0.000389	2.78	1458.85	185.70	0.27
Valle	11150	T=50	1830.00	4.70	14.97	9.41	15.15	0.000391	2.36	1210.58	158.98	0.25
Valle	11150	T=100	2260.00	4.70	15.78	9.94	16.01	0.000439	2.66	1341.21	163.46	0.27
Valle	11150	T=200	2710.00	4.70	16.55	10.39	16.83	0.000485	2.94	1468.13	168.17	0.29
Valle	11100	T=50	1830.00	6.13	14.76	10.70	15.11	0.000839	3.28	939.26	152.34	0.37
Valle	11100	T=100	2260.00	6.13	15.55	11.25	15.96	0.000901	3.61	1060.50	156.35	0.39
Valle	11100	T=200	2710.00	6.13	16.28	11.66	16.77	0.000973	3.96	1177.00	162.94	0.41
Valle	11050.46	T=50	1830.00	5.59	14.34	10.81	15.02	0.001512	4.42	754.14	165.14	0.49
Valle	11050.46	T=100	2260.00	5.59	15.14	11.50	15.88	0.001515	4.70	886.95	169.25	0.50
Valle	11050.46	T=200	2710.00	5.59	15.89	12.16	16.69	0.001514	4.96	1015.82	172.04	0.51
Valle	11025.23	T=50	1830.00	5.61	14.35	10.70	14.97	0.001338	4.02	749.81	165.17	0.46

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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 #	Chi
Valle	11025.23	T=100	2260.00	5.61	15.14	11.33	15.82	0.001348	4.30	882.54	170.32		0.47
Valle	11025.23	T=200	2710.00	5.61	15.89	12.03	16.64	0.001350	4.55	1011.82	173.30		0.48
Valle	11000	T=50	1830.00	4.78	14.34	11.03	14.93	0.001202	3.76	750.00	168.16		0.43
Valle	11000	T=100	2260.00	4.78	15.14	11.62	15.78	0.001210	4.03	885.44	172.73		0.44
Valle	11000	T=200	2710.00	4.78	15.89	12.24	16.59	0.001213	4.27	1016.38	175.00		0.45
Valle	10961.54	T=50	1830.00	4.68	14.46	10.21	14.83	0.000598	2.88	870.61	174.91		0.32
Valle	10961.54	T=100	2260.00	4.68	15.24	10.78	15.69	0.000640	3.16	1011.06	181.83		0.33
Valle	10961.54	T=200	2710.00	4.68	15.99	11.25	16.50	0.000671	3.41	1148.70	185.11		0.34
Valle	10925.17	T=50	1830.00	7.49	14.38	11.57	14.80	0.001076	3.32	865.14	189.31		0.41
Valle	10925.17	T=100	2260.00	7.49	15.18	12.04	15.65	0.001060	3.56	1023.42	204.11		0.41
Valle	10925.17	T=200	2710.00	7.49	15.95	12.50	16.47	0.001038	3.75	1184.02	214.33		0.42
Valle	10920		Bridge										
Valle	10916.08	T=50	1830.00	7.44	14.35	11.69	14.77	0.001016	3.23	842.63	182.43		0.40
Valle	10916.08	T=100	2260.00	7.44	15.13	12.10	15.61	0.001026	3.49	990.87	197.30		0.41
Valle	10916.08	T=200	2710.00	7.44	15.89	12.57	16.42	0.001022	3.72	1145.11	210.65		0.41
Valle	10886.42	T=50	1830.00	4.63	14.26	10.72	14.73	0.000839	3.22	762.51	160.56		0.37
Valle	10886.42	T=100	2260.00	4.63	15.03	11.52	15.58	0.000882	3.51	887.72	164.55		0.38
Valle	10886.42	T=200	2710.00	4.63	15.76	11.95	16.38	0.000921	3.79	1009.86	170.11		0.40
Valle	10850	T=50	1830.00	5.84	13.80	12.07	14.65	0.001999	4.58	619.06	146.43		0.56
Valle	10850	T=100	2260.00	5.84	14.54	13.01	15.49	0.002010	4.92	730.22	153.11		0.57
Valle	10850	T=200	2710.00	5.84	15.25	13.48	16.29	0.002006	5.21	842.04	158.66		0.57
Valle	10800	T=50	1830.00	5.36	13.71	12.09	14.55	0.001804	4.51	658.24	187.10		0.53
Valle	10800	T=100	2260.00	5.36	14.49	13.01	15.38	0.001762	4.77	807.86	206.16		0.53
Valle	10800	T=200	2710.00	5.36	15.23	13.58	16.17	0.001734	5.01	962.98	212.24		0.54
Valle	10750	T=50	1830.00	4.51	13.88	10.10	14.39	0.000826	3.34	749.92	161.55		0.37
Valle	10750	T=100	2260.00	4.51	14.62	10.76	15.23	0.000898	3.69	874.20	173.19		0.39
Valle	10750	T=200	2710.00	4.51	15.34	11.52	16.03	0.000948	3.98	1015.56	212.76		0.40
Valle	10700	T=50	1830.00	4.51	14.00	8.91	14.30	0.000428	2.53	956.12	174.04		0.27
Valle	10700	T=100	2260.00	4.51	14.77	9.52	15.12	0.000476	2.82	1095.38	193.96		0.29
Valle	10700	T=200	2710.00	4.51	15.50	10.06	15.91	0.000514	3.07	1240.92	204.38		0.30
Valle	10650	T=50	1830.00	4.22	14.09	8.03	14.24	0.000209	1.80	1251.02	215.66		0.19
Valle	10650	T=100	2260.00	4.22	14.87	8.53	15.06	0.000235	2.02	1422.28	222.29		0.20
Valle	10650	T=200	2710.00	4.22	15.61	9.03	15.84	0.000259	2.22	1590.66	232.96		0.22
Valle	10600	T=50	1830.00	4.39	14.10	7.56	14.22	0.000155	1.58	1383.93	226.21		0.16
Valle	10600	T=100	2260.00	4.39	14.89	8.00	15.04	0.000176	1.77	1567.73	239.39		0.18
Valle	10600	T=200	2710.00	4.39	15.63	8.42	15.81	0.000195	1.96	1752.77	255.26		0.19
Valle	10550	T=50	1830.00	4.17	14.09	8.18	14.21	0.000184	1.63	1381.73	234.72		0.18
Valle	10550	T=100	2260.00	4.17	14.88	8.60	15.03	0.000205	1.81	1569.94	243.80		0.19
Valle	10550	T=200	2710.00	4.17	15.62	9.03	15.80	0.000222	1.99	1754.82	250.54		0.20
Valle	10506.82	T=50	1830.00	4.42	14.03	8.59	14.20	0.000261	1.90	1236.03	259.64		0.21
Valle	10506.82	T=100	2260.00	4.42	14.81	9.05	15.01	0.000282	2.09	1445.70	276.72		0.22
Valle	10506.82	T=200	2710.00	4.42	15.56	9.52	15.79	0.000297	2.26	1656.77	288.62		0.23
Valle	10473.72	T=50	1830.00	4.36	13.91	9.33	14.18	0.000461	2.44	994.82	222.20		0.27
Valle	10473.72	T=100	2260.00	4.36	14.67	9.90	14.99	0.000492	2.68	1165.78	225.64		0.29
Valle	10473.72	T=200	2710.00	4.36	15.40	10.49	15.76	0.000517	2.89	1332.07	229.26		0.30
Valle	10440.09	T=50	1830.00	4.71	13.36	10.95	14.10	0.001518	3.91	558.47	166.76		0.48
Valle	10440.09	T=100	2260.00	4.71	14.03	11.59	14.90	0.001604	4.29	675.24	178.44		0.50
Valle	10440.09	T=200	2710.00	4.71	14.70	12.20	15.67	0.001629	4.58	797.15	183.84		0.51
Valle	10400	T=50	1830.00	4.49	12.97	10.96	14.00	0.002083	4.60	457.48	112.32		0.57
Valle	10400	T=100	2260.00	4.49	13.45	11.73	14.78	0.002457	5.23	514.83	123.23		0.62
Valle	10400	T=200	2710.00	4.49	13.88	12.39	15.52	0.002841	5.85	569.62	129.71		0.67
Valle	10350	T=50	1830.00	4.09	13.17	10.18	13.81	0.001200	3.61	586.53	138.46		0.43
Valle	10350	T=100	2260.00	4.09	13.73	10.80	14.53	0.001388	4.08	669.24	155.88		0.47
Valle	10350	T=200	2710.00	4.09	14.25	11.41	15.22	0.001560	4.52	752.56	164.21		0.50
Valle	10300	T=50	1830.00	5.82	13.13	10.79	13.73	0.001349	3.67	699.23	194.59		0.46
Valle	10300	T=100	2260.00	5.82	13.73	11.38	14.43	0.001433	4.01	817.50	196.67		0.48
Valle	10300	T=200	2710.00	5.82	14.30	11.82	15.09	0.001507	4.32	928.91	197.73		0.50
Valle	10250	T=50	1830.00	5.96	13.11	10.70	13.65	0.001340	3.56	767.54	203.01		0.45
Valle	10250	T=100	2260.00	5.96	13.72	11.20	14.33	0.001388	3.86	893.29	205.20		0.47
Valle	10250	T=200	2710.00	5.96	14.30	11.96	14.98	0.001439	4.14	1011.74	207.25		0.48
Valle	10200	T=50	1830.00	5.60	13.02	10.52	13.58	0.001341	3.63	761.27	196.81		0.45
Valle	10200	T=100	2260.00	5.60	13.62	11.10	14.26	0.001416	3.95	880.39	199.83		0.47

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	10200	T=200	2710.00	5.60	14.18	11.52	14.91	0.001488	4.26	993.10	202.59	0.49
Valle	10150	T=50	1830.00	4.62	12.97	10.30	13.51	0.001265	3.51	744.15	189.42	0.44
Valle	10150	T=100	2260.00	4.62	13.56	11.01	14.19	0.001348	3.84	856.94	191.25	0.46
Valle	10150	T=200	2710.00	4.62	14.11	11.15	14.83	0.001432	4.16	962.99	194.25	0.48
Valle	10100	T=50	1830.00	4.52	13.04	9.69	13.41	0.000786	2.81	814.76	183.54	0.35
Valle	10100	T=100	2260.00	4.52	13.63	10.24	14.08	0.000865	3.12	924.72	185.34	0.37
Valle	10100	T=200	2710.00	4.52	14.19	10.78	14.72	0.000939	3.41	1028.01	186.89	0.39
Valle	10050	T=50	1830.00	4.26	13.07	9.03	13.35	0.000538	2.41	911.72	181.51	0.29
Valle	10050	T=100	2260.00	4.26	13.67	9.56	14.01	0.000605	2.70	1021.65	185.16	0.31
Valle	10050	T=200	2710.00	4.26	14.23	10.09	14.64	0.000669	2.98	1125.93	187.22	0.33
Valle	10000	T=50	1830.00	6.15	12.88	10.59	13.30	0.001138	2.96	758.11	193.06	0.40
Valle	10000	T=100	2260.00	6.15	13.47	11.17	13.96	0.001187	3.24	873.37	197.12	0.42
Valle	10000	T=200	2710.00	6.15	14.02	11.62	14.58	0.001240	3.51	983.05	202.72	0.44
Valle	9991.231	T=50	1830.00	7.12	12.81	11.02	13.28	0.001454	3.19	718.74	196.62	0.45
Valle	9991.231	T=100	2260.00	7.12	13.40	11.48	13.94	0.001466	3.45	836.58	200.28	0.46
Valle	9991.231	T=200	2710.00	7.12	13.95	11.93	14.57	0.001488	3.70	948.04	202.79	0.47
Valle	9990		Bridge									
Valle	9984.021	T=50	1830.00	7.15	12.61	10.87	13.10	0.001518	3.24	711.50	196.21	0.46
Valle	9984.021	T=100	2260.00	7.15	13.20	11.32	13.75	0.001537	3.51	827.45	200.52	0.47
Valle	9984.021	T=200	2710.00	7.15	13.74	11.76	14.37	0.001561	3.76	937.46	203.19	0.49
Valle	9950	T=50	1830.00	3.82	12.70	9.43	13.01	0.000681	2.58	907.26	199.09	0.32
Valle	9950	T=100	2260.00	3.82	13.29	10.05	13.66	0.000752	2.87	1025.41	203.69	0.34
Valle	9950	T=200	2710.00	3.82	13.84	10.62	14.28	0.000820	3.15	1138.12	208.29	0.36
Valle	9900	T=50	1830.00	5.41	12.60	10.12	12.96	0.000930	2.89	843.44	193.69	0.37
Valle	9900	T=100	2260.00	5.41	13.17	10.60	13.61	0.001018	3.20	955.96	199.33	0.40
Valle	9900	T=200	2710.00	5.41	13.70	11.06	14.22	0.001097	3.50	1063.45	203.98	0.42
Valle	9850	T=50	1830.00	5.26	12.47	10.26	12.91	0.001143	3.21	792.50	181.49	0.41
Valle	9850	T=100	2260.00	5.26	13.01	10.74	13.55	0.001275	3.58	893.03	190.76	0.44
Valle	9850	T=200	2710.00	5.26	13.51	11.21	14.15	0.001390	3.93	990.65	196.43	0.47
Valle	9824.286	T=50	1830.00	5.56	12.32	10.64	12.86	0.001746	3.74	738.47	181.67	0.50
Valle	9824.286	T=100	2260.00	5.56	12.83	11.06	13.49	0.001940	4.18	834.06	192.82	0.54
Valle	9824.286	T=200	2710.00	5.56	13.31	11.48	14.09	0.002081	4.55	929.28	198.46	0.56
Valle	9800	T=50	1830.00	5.09	12.19	9.49	12.80	0.002304	4.26	724.04	183.00	0.57
Valle	9800	T=100	2260.00	5.09	12.70	11.17	13.43	0.002502	4.70	819.15	188.66	0.61
Valle	9800	T=200	2710.00	5.09	13.17	11.52	14.03	0.002707	5.14	908.69	194.82	0.64
Valle	9785.987	T=50	1830.00	4.74	11.96	10.98	12.74	0.003032	4.95	669.99	183.69	0.66
Valle	9785.987	T=100	2260.00	4.74	12.44	11.47	13.37	0.003310	5.46	759.38	189.92	0.70
Valle	9785.987	T=200	2710.00	4.74	12.89	11.81	13.96	0.003536	5.91	846.17	194.11	0.73
Valle	9776.982	T=50	1830.00	4.52	11.93	10.89	12.72	0.003115	4.95	674.33	189.47	0.66
Valle	9776.982	T=100	2260.00	4.52	12.43	11.37	13.33	0.003302	5.39	769.09	192.90	0.69
Valle	9776.982	T=200	2710.00	4.52	12.88	11.82	13.91	0.003503	5.83	858.25	196.43	0.72
Valle	9775		Bridge									
Valle	9770.507	T=50	1830.00	4.84	11.76	10.69	12.52	0.003176	4.93	675.21	187.71	0.67
Valle	9770.507	T=100	2260.00	4.84	12.24	11.18	13.13	0.003405	5.40	766.38	191.98	0.71
Valle	9770.507	T=200	2710.00	4.84	12.68	11.47	13.71	0.003630	5.85	852.74	195.70	0.74
Valle	9765.228	T=50	1830.00	5.11	11.75	10.53	12.50	0.003135	4.91	676.25	187.58	0.67
Valle	9765.228	T=100	2260.00	5.11	12.23	11.22	13.11	0.003350	5.37	767.49	190.96	0.70
Valle	9765.228	T=200	2710.00	5.11	12.66	11.71	13.69	0.003633	5.85	851.23	196.20	0.74
Valle	9750	T=50	1830.00	4.98	11.59	9.52	12.44	0.003452	5.14	655.55	195.74	0.70
Valle	9750	T=100	2260.00	4.98	12.03	11.19	13.04	0.003797	5.67	742.80	202.68	0.74
Valle	9750	T=200	2710.00	4.98	12.45	11.75	13.62	0.004080	6.16	829.89	209.79	0.78
Valle	9700	T=50	1830.00	4.92	11.68	9.55	12.24	0.001492	3.59	749.88	224.29	0.47
Valle	9700	T=100	2260.00	4.92	12.14	9.99	12.82	0.001672	4.00	854.79	233.33	0.51
Valle	9700	T=200	2710.00	4.92	12.58	10.46	13.37	0.001827	4.37	960.39	243.63	0.53
Valle	9650	T=50	1830.00	4.21	11.66	8.98	12.16	0.001139	3.55	854.42	230.92	0.42
Valle	9650	T=100	2260.00	4.21	12.10	9.42	12.73	0.001330	4.00	959.63	239.74	0.46
Valle	9650	T=200	2710.00	4.21	12.54	10.24	13.27	0.001495	4.40	1065.13	247.16	0.50
Valle	9600	T=50	1830.00	4.20	11.93	9.14	12.01	0.000315	1.80	2116.69	528.49	0.22
Valle	9600	T=100	2260.00	4.20	12.44	9.14	12.54	0.000348	1.99	2395.02	551.47	0.24
Valle	9600	T=200	2710.00	4.20	12.94	9.48	13.05	0.000377	2.17	2675.34	579.01	0.25
Valle	9573.793	T=50	1830.00	4.40	11.93	8.65	11.99	0.000291	1.67	2311.65	549.65	0.21

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	9573.793	T=100	2260.00	4.40	12.45	8.65	12.52	0.000317	1.83	2598.59	563.80	0.22
Valle	9573.793	T=200	2710.00	4.40	12.95	8.65	13.04	0.000341	1.99	2885.29	581.29	0.23
Valle	9550	T=50	1830.00	4.24	11.92	8.83	11.99	0.000282	1.70	2391.38	605.91	0.21
Valle	9550	T=100	2260.00	4.24	12.44	8.83	12.52	0.000299	1.85	2708.05	611.90	0.22
Valle	9550	T=200	2710.00	4.24	12.94	8.89	13.03	0.000313	1.97	3016.54	616.97	0.23
Valle	9528.974	T=50	1830.00	4.47	11.93	8.93	11.98	0.000209	1.50	2676.72	599.57	0.18
Valle	9528.974	T=100	2260.00	4.47	12.45	9.05	12.50	0.000229	1.65	2989.42	605.41	0.19
Valle	9528.974	T=200	2710.00	4.47	12.95	9.05	13.02	0.000246	1.79	3294.45	611.32	0.20
Valle	9500	T=50	1830.00	4.28	11.93	9.28	11.97	0.000185	1.42	2771.34	580.47	0.17
Valle	9500	T=100	2260.00	4.28	12.45	9.28	12.50	0.000206	1.57	3073.52	585.72	0.18
Valle	9500	T=200	2710.00	4.28	12.95	9.28	13.01	0.000224	1.71	3375.74	613.19	0.19
Valle	9450	T=50	1830.00	4.33	11.91	9.59	11.96	0.000218	1.48	2510.18	556.01	0.18
Valle	9450	T=100	2260.00	4.33	12.43	9.95	12.49	0.000249	1.66	2811.01	605.80	0.20
Valle	9450	T=200	2710.00	4.33	12.93	9.95	12.99	0.000268	1.80	3118.67	624.83	0.21
Valle	9400	T=50	1830.00	4.18	11.91	8.80	11.95	0.000183	1.40	2875.94	592.69	0.17
Valle	9400	T=100	2260.00	4.18	12.43	9.39	12.47	0.000204	1.55	3183.11	596.99	0.18
Valle	9400	T=200	2710.00	4.18	12.93	10.01	12.98	0.000222	1.69	3482.76	601.64	0.19
Valle	9351.608	T=50	1830.00	4.20	11.88	8.46	11.93	0.000273	1.71	2469.77	561.20	0.21
Valle	9351.608	T=100	2260.00	4.20	12.39	9.23	12.46	0.000298	1.88	2760.66	570.78	0.22
Valle	9351.608	T=200	2710.00	4.20	12.89	9.79	12.96	0.000318	2.02	3045.14	575.45	0.23
Valle	9325.912	T=50	1830.00	4.17	11.84	8.69	11.92	0.000372	1.97	2201.61	575.10	0.24
Valle	9325.912	T=100	2260.00	4.17	12.35	8.96	12.44	0.000389	2.12	2496.74	576.35	0.25
Valle	9325.912	T=200	2710.00	4.17	12.85	10.04	12.95	0.000404	2.25	2783.45	578.64	0.26
Valle	9300	T=50	1830.00	4.02	11.80	8.72	11.91	0.000416	2.11	2016.19	542.11	0.25
Valle	9300	T=100	2260.00	4.02	12.31	8.88	12.43	0.000442	2.28	2296.12	554.25	0.27
Valle	9300	T=200	2710.00	4.02	12.81	10.17	12.94	0.000461	2.43	2571.18	562.70	0.27
Valle	9250	T=50	1830.00	4.25	11.73	10.02	11.88	0.000566	2.37	1781.94	565.83	0.30
Valle	9250	T=100	2260.00	4.25	12.24	10.26	12.40	0.000573	2.51	2073.19	573.06	0.30
Valle	9250	T=200	2710.00	4.25	12.74	10.58	12.91	0.000576	2.63	2364.01	608.00	0.31
Valle	9200	T=50	1830.00	5.00	11.71	9.96	11.85	0.000561	2.22	1926.55	713.40	0.29
Valle	9200	T=100	2260.00	5.00	12.23	10.33	12.37	0.000533	2.28	2298.20	717.75	0.29
Valle	9200	T=200	2710.00	5.00	12.73	10.63	12.87	0.000510	2.35	2659.69	720.85	0.28
Valle	9150	T=50	1830.00	4.61	11.61	9.58	11.81	0.000651	2.41	1529.57	551.99	0.31
Valle	9150	T=100	2260.00	4.61	12.12	10.24	12.33	0.000651	2.55	1811.51	555.50	0.32
Valle	9150	T=200	2710.00	4.61	12.61	10.38	12.83	0.000648	2.67	2087.53	563.20	0.32
Valle	9100	T=50	1830.00	4.05	11.63	8.67	11.76	0.000435	1.96	1714.96	536.30	0.25
Valle	9100	T=100	2260.00	4.05	12.13	9.53	12.28	0.000453	2.11	1985.69	539.09	0.26
Valle	9100	T=200	2710.00	4.05	12.62	9.84	12.79	0.000467	2.25	2250.57	544.48	0.27
Valle	9050	T=50	1830.00	4.14	11.66	8.17	11.73	0.000241	1.51	2473.62	779.97	0.19
Valle	9050	T=100	2260.00	4.14	12.16	8.42	12.24	0.000252	1.63	2873.48	793.06	0.20
Valle	9050	T=200	2710.00	4.14	12.66	9.15	12.74	0.000256	1.72	3266.84	795.00	0.20
Valle	9000	T=50	1830.00	4.10	11.49	8.06	11.70	0.000500	2.18	1240.03	364.19	0.28
Valle	9000	T=100	2260.00	4.10	11.96	8.49	12.21	0.000564	2.42	1411.29	367.10	0.30
Valle	9000	T=200	2710.00	4.10	12.42	8.91	12.70	0.000616	2.64	1579.44	369.18	0.31
Valle	8950	T=50	1830.00	4.29	11.29	8.79	11.65	0.000991	2.87	979.84	341.80	0.38
Valle	8950	T=100	2260.00	4.29	11.74	9.35	12.15	0.001083	3.15	1133.64	345.21	0.40
Valle	8950	T=200	2710.00	4.29	12.18	9.94	12.65	0.001150	3.40	1287.21	351.75	0.42
Valle	8924.657	T=50	1830.00	3.83	11.05	9.29	11.60	0.001631	3.56	828.70	344.59	0.48
Valle	8924.657	T=100	2260.00	3.83	11.49	10.00	12.10	0.001739	3.87	979.53	350.06	0.50
Valle	8924.657	T=200	2710.00	3.83	11.93	10.85	12.59	0.001789	4.11	1135.38	356.89	0.52
Valle	8899.07	T=50	1830.00	4.08	10.95	8.97	11.55	0.001516	3.70	809.34	341.55	0.47
Valle	8899.07	T=100	2260.00	4.08	11.35	9.97	12.05	0.001695	4.08	947.08	345.95	0.51
Valle	8899.07	T=200	2710.00	4.08	11.77	10.86	12.53	0.001793	4.37	1092.87	349.96	0.53
Valle	8871.313	T=50	1830.00	3.88	10.61	9.35	11.47	0.002187	4.36	675.89	367.04	0.57
Valle	8871.313	T=100	2260.00	3.88	10.78	10.62	11.94	0.002885	5.11	740.47	374.73	0.66
Valle	8871.313	T=200	2710.00	3.88	11.06	11.03	12.41	0.003283	5.61	847.36	380.14	0.71
Valle	8850	T=50	1830.00	4.07	10.35	10.30	11.40	0.003583	4.76	593.55	396.43	0.70
Valle	8850	T=100	2260.00	4.07	10.71	10.71	11.86	0.003792	5.14	737.63	409.70	0.73
Valle	8850	T=200	2710.00	4.07	11.10	11.10	12.28	0.003755	5.37	898.41	419.75	0.73
Valle	8822.778	T=50	1830.00	4.17	10.33	10.33	11.25	0.004387	4.62	649.34	423.04	0.75
Valle	8822.778	T=100	2260.00	4.17	10.69	10.66	11.65	0.004342	4.88	801.66	428.28	0.76
Valle	8822.778	T=200	2710.00	4.17	11.23	10.96	12.07	0.003498	4.75	1039.86	449.87	0.69

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	8800	T=50	1830.00	4.09	10.37	9.62	11.07	0.002655	4.03	751.17	449.52	0.60
Valle	8800	T=100	2260.00	4.09	10.76	10.37	11.51	0.002698	4.29	930.96	465.40	0.61
Valle	8800	T=200	2710.00	4.09	11.25	10.67	11.96	0.002415	4.32	1164.38	480.47	0.59
Valle	8750	T=50	1830.00	3.67	10.46	8.38	10.92	0.001035	3.28	942.26	535.07	0.43
Valle	8750	T=100	2260.00	3.67	10.87	9.08	11.34	0.001056	3.47	1166.01	548.48	0.44
Valle	8750	T=200	2710.00	3.67	11.37	10.38	11.81	0.000969	3.49	1439.76	557.01	0.43
Valle	8728.489	T=50	1830.00	4.10	10.45	8.68	10.89	0.001087	3.29	976.11	511.48	0.44
Valle	8728.489	T=100	2260.00	4.10	10.87	10.08	11.31	0.001104	3.47	1189.51	527.36	0.45
Valle	8728.489	T=200	2710.00	4.10	11.36	10.41	11.78	0.001011	3.50	1456.20	544.31	0.43
Valle	8698.187	T=50	1830.00	4.03	10.38	9.08	10.85	0.001273	3.41	926.01	485.19	0.47
Valle	8698.187	T=100	2260.00	4.03	10.81	10.14	11.28	0.001252	3.56	1133.98	492.68	0.47
Valle	8698.187	T=200	2710.00	4.03	11.31	10.43	11.75	0.001128	3.57	1384.79	522.73	0.45
Valle	8673.26	T=50	1830.00	3.88	10.42	9.53	10.79	0.001108	3.17	1029.27	484.87	0.44
Valle	8673.26	T=100	2260.00	3.88	10.84	9.99	11.22	0.001096	3.32	1236.22	496.21	0.44
Valle	8673.26	T=200	2710.00	3.88	11.34	10.27	11.70	0.000998	3.35	1499.35	565.20	0.43
Valle	8650	T=50	1830.00	4.01	10.36	9.86	10.76	0.001608	3.41	977.22	518.98	0.51
Valle	8650	T=100	2260.00	4.01	10.82	10.13	11.19	0.001425	3.43	1222.83	547.85	0.49
Valle	8650	T=200	2710.00	4.01	11.34	10.37	11.67	0.001198	3.36	1523.45	622.09	0.46
Valle	8627.388	T=50	1830.00	3.94	10.43	8.88	10.69	0.000760	2.76	1248.77	559.47	0.37
Valle	8627.388	T=100	2260.00	3.94	10.87	9.65	11.13	0.000757	2.89	1501.93	600.00	0.37
Valle	8627.388	T=200	2710.00	3.94	11.37	9.90	11.62	0.000696	2.92	1810.00	633.43	0.36
Valle	8600	T=50	1830.00	3.99	10.40	9.64	10.66	0.001085	2.96	1204.08	569.26	0.43
Valle	8600	T=100	2260.00	3.99	10.85	9.89	11.10	0.000993	3.00	1466.36	587.48	0.41
Valle	8600	T=200	2710.00	3.99	11.36	10.10	11.59	0.000862	2.97	1767.82	601.70	0.39
Valle	8550	T=50	1830.00	3.96	10.33	9.60	10.61	0.001199	3.00	1169.21	574.56	0.44
Valle	8550	T=100	2260.00	3.96	10.80	9.88	11.06	0.001059	3.01	1441.55	589.10	0.42
Valle	8550	T=200	2710.00	3.96	11.31	10.10	11.55	0.000903	2.96	1751.27	609.45	0.40
Valle	8527.159	T=50	1830.00	4.02	10.14	9.80	10.56	0.001560	3.67	1059.08	611.46	0.57
Valle	8527.159	T=100	2260.00	4.02	10.68	10.04	11.02	0.001196	3.48	1400.52	638.35	0.51
Valle	8527.159	T=200	2710.00	4.02	11.25	10.24	11.53	0.000910	3.27	1764.34	643.42	0.45
Valle	8500	T=50	1830.00	3.79	10.16	9.68	10.50	0.001358	3.47	1179.02	642.54	0.53
Valle	8500	T=100	2260.00	3.79	10.70	9.94	10.97	0.001032	3.27	1528.95	653.13	0.47
Valle	8500	T=200	2710.00	3.79	11.26	10.16	11.49	0.000803	3.11	1896.59	657.28	0.42
Valle	8450	T=50	1830.00	3.94	10.16	9.43	10.43	0.000840	3.11	1367.34	650.77	0.43
Valle	8450	T=100	2260.00	3.94	10.69	9.68	10.92	0.000704	3.04	1714.71	668.90	0.40
Valle	8450	T=200	2710.00	3.94	11.25	9.82	11.45	0.000589	2.95	2093.46	687.37	0.37
Valle	8425.37	T=50	1830.00	3.76	10.13	9.56	10.40	0.000888	3.18	1407.03	715.02	0.44
Valle	8425.37	T=100	2260.00	3.76	10.68	9.78	10.90	0.000709	3.03	1799.81	724.35	0.40
Valle	8425.37	T=200	2710.00	3.76	11.24	9.98	11.43	0.000574	2.90	2210.59	731.79	0.37
Valle	8400	T=50	1830.00	3.71	10.11	9.60	10.38	0.000807	3.14	1535.11	874.74	0.43
Valle	8400	T=100	2260.00	3.71	10.67	9.81	10.88	0.000613	2.92	2034.14	897.20	0.38
Valle	8400	T=200	2710.00	3.71	11.24	10.01	11.41	0.000486	2.76	2556.72	930.05	0.34
Valle	8373.02	T=50	1830.00	3.70	10.09	9.64	10.36	0.000842	3.12	1568.83	942.93	0.43
Valle	8373.02	T=100	2260.00	3.70	10.67	9.85	10.85	0.000608	2.84	2119.05	968.96	0.37
Valle	8373.02	T=200	2710.00	3.70	11.24	10.02	11.39	0.000461	2.64	2684.51	983.29	0.33
Valle	8345.487	T=50	1830.00	4.05	10.11	9.48	10.32	0.000678	2.78	1676.07	917.33	0.39
Valle	8345.487	T=100	2260.00	4.05	10.67	9.69	10.83	0.000516	2.60	2192.47	924.23	0.34
Valle	8345.487	T=200	2710.00	4.05	11.24	9.87	11.37	0.000407	2.45	2724.12	931.48	0.31
Valle	8300	T=50	1830.00	3.87	10.05	9.41	10.28	0.000806	2.79	1464.93	786.75	0.41
Valle	8300	T=100	2260.00	3.87	10.62	9.60	10.80	0.000612	2.63	1925.25	831.46	0.37
Valle	8300	T=200	2710.00	3.87	11.20	9.78	11.35	0.000480	2.50	2414.06	853.52	0.33
Valle	8250	T=50	1830.00	3.88	10.03	9.04	10.24	0.000602	2.59	1549.23	756.44	0.36
Valle	8250	T=100	2260.00	3.88	10.60	9.33	10.77	0.000493	2.51	1976.76	762.92	0.34
Valle	8250	T=200	2710.00	3.88	11.17	9.55	11.33	0.000413	2.45	2419.71	780.53	0.31
Valle	8200	T=50	1830.00	3.86	10.03	9.07	10.20	0.000609	2.47	1612.28	767.36	0.36
Valle	8200	T=100	2260.00	3.86	10.59	9.26	10.74	0.000493	2.39	2047.35	775.76	0.33
Valle	8200	T=200	2710.00	3.86	11.17	9.50	11.30	0.000406	2.32	2498.44	782.24	0.30
Valle	8175.989	T=50	1830.00	3.86	10.01	9.02	10.19	0.000635	2.47	1552.01	718.23	0.37
Valle	8175.989	T=100	2260.00	3.86	10.58	9.22	10.73	0.000520	2.41	1961.97	737.72	0.34
Valle	8175.989	T=200	2710.00	3.86	11.15	9.42	11.29	0.000435	2.37	2398.59	792.13	0.31
Valle	8150	T=50	1830.00	3.82	10.00	8.95	10.17	0.000661	2.44	1539.22	713.39	0.37
Valle	8150	T=100	2260.00	3.82	10.57	9.19	10.72	0.000537	2.38	1951.30	747.12	0.34
Valle	8150	T=200	2710.00	3.82	11.15	9.41	11.28	0.000446	2.33	2392.88	777.77	0.31



HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	8100	T=50	1830.00	3.91	9.92	8.92	10.13	0.000743	2.69	1402.16	624.11	0.40
Valle	8100	T=100	2260.00	3.91	10.50	9.23	10.68	0.000605	2.62	1765.03	629.57	0.36
Valle	8100	T=200	2710.00	3.91	11.08	9.45	11.25	0.000504	2.57	2136.47	635.00	0.34
Valle	8050	T=50	1830.00	3.89	9.89	8.43	10.10	0.000540	2.52	1464.96	618.33	0.35
Valle	8050	T=100	2260.00	3.89	10.47	8.93	10.66	0.000471	2.52	1824.09	629.14	0.33
Valle	8050	T=200	2710.00	3.89	11.06	9.27	11.23	0.000409	2.50	2195.19	634.66	0.31
Valle	8000	T=50	1830.00	4.80	9.94	7.94	10.05	0.000386	1.78	1758.76	689.63	0.28
Valle	8000	T=100	2260.00	4.80	10.51	8.28	10.61	0.000332	1.80	2154.42	700.85	0.27
Valle	8000	T=200	2710.00	4.80	11.09	8.49	11.19	0.000288	1.81	2565.53	714.09	0.25
Valle	7950	T=50	1830.00	4.78	9.93	7.91	10.03	0.000327	1.67	1770.54	620.88	0.26
Valle	7950	T=100	2260.00	4.78	10.50	8.24	10.60	0.000293	1.72	2124.94	628.90	0.25
Valle	7950	T=200	2710.00	4.78	11.08	8.47	11.18	0.000264	1.76	2509.06	691.34	0.24
Valle	7919.864	T=50	1830.00	4.42	9.93	7.60	10.01	0.000281	1.54	1907.22	638.18	0.24
Valle	7919.864	T=100	2260.00	4.42	10.50	7.90	10.58	0.000256	1.60	2275.61	656.90	0.24
Valle	7919.864	T=200	2710.00	4.42	11.08	7.99	11.17	0.000233	1.65	2662.17	678.17	0.23
Valle	7900	T=50	1830.00	4.56	9.93	7.21	10.01	0.000239	1.45	1953.21	653.27	0.22
Valle	7900	T=100	2260.00	4.56	10.50	7.53	10.58	0.000221	1.51	2328.25	669.34	0.22
Valle	7900	T=200	2710.00	4.56	11.08	7.81	11.16	0.000203	1.56	2727.70	703.84	0.21
Valle	7850	T=50	1830.00	4.20	9.89	7.71	9.99	0.000325	1.67	1801.29	706.54	0.26
Valle	7850	T=100	2260.00	4.20	10.46	7.99	10.56	0.000285	1.71	2211.33	721.61	0.25
Valle	7850	T=200	2710.00	4.20	11.05	8.33	11.15	0.000250	1.73	2639.14	735.87	0.24
Valle	7800	T=50	1830.00	4.18	9.87	7.47	9.97	0.000298	1.69	1806.73	688.75	0.25
Valle	7800	T=100	2260.00	4.18	10.45	7.81	10.55	0.000268	1.73	2206.89	699.50	0.24
Valle	7800	T=200	2710.00	4.18	11.03	8.23	11.14	0.000241	1.77	2619.45	706.73	0.24
Valle	7750	T=50	1830.00	3.70	9.75	8.15	9.94	0.000653	2.46	1398.51	578.55	0.37
Valle	7750	T=100	2260.00	3.70	10.34	8.41	10.52	0.000563	2.48	1751.32	622.19	0.35
Valle	7750	T=200	2710.00	3.70	10.94	8.64	11.11	0.000471	2.45	2134.88	642.60	0.33
Valle	7700	T=50	1830.00	3.10	9.66	8.29	9.91	0.000629	2.67	1197.75	413.04	0.37
Valle	7700	T=100	2260.00	3.10	10.23	8.61	10.49	0.000587	2.77	1437.33	418.74	0.37
Valle	7700	T=200	2710.00	3.10	10.82	8.89	11.08	0.000541	2.84	1686.20	424.29	0.36
Valle	7650	T=50	1830.00	3.09	9.50	8.35	9.86	0.000811	3.16	1071.56	406.69	0.43
Valle	7650	T=100	2260.00	3.09	10.09	8.76	10.44	0.000743	3.24	1315.12	415.90	0.42
Valle	7650	T=200	2710.00	3.09	10.70	9.09	11.04	0.000668	3.27	1570.57	421.21	0.40
Valle	7600	T=50	1830.00	2.96	9.49	8.38	9.81	0.000841	3.10	1103.11	394.97	0.43
Valle	7600	T=100	2260.00	2.96	10.08	8.67	10.40	0.000764	3.17	1339.32	400.49	0.42
Valle	7600	T=200	2710.00	2.96	10.69	8.97	11.00	0.000690	3.22	1585.05	407.09	0.40
Valle	7550	T=50	1970.00	3.13	9.45	8.19	9.76	0.000753	2.98	1176.65	398.00	0.41
Valle	7550	T=100	2420.00	3.13	10.04	8.50	10.36	0.000702	3.08	1421.60	443.68	0.40
Valle	7550	T=200	2890.00	3.13	10.63	8.80	10.96	0.000665	3.19	1694.91	470.29	0.40
Valle	7524.63	T=50	1970.00	2.80	9.46	8.11	9.73	0.000621	2.81	1340.38	500.41	0.38
Valle	7524.63	T=100	2420.00	2.80	10.06	8.49	10.33	0.000562	2.86	1644.96	511.45	0.36
Valle	7524.63	T=200	2890.00	2.80	10.67	8.79	10.93	0.000507	2.88	1958.77	519.48	0.35
Valle	7499.594	T=50	1970.00	2.89	9.45	7.94	9.72	0.000645	2.75	1316.94	526.63	0.36
Valle	7499.594	T=100	2420.00	2.89	10.06	8.32	10.31	0.000583	2.79	1650.36	564.56	0.35
Valle	7499.594	T=200	2890.00	2.89	10.67	8.74	10.91	0.000507	2.77	2001.81	572.95	0.33
Valle	7471.727	T=50	1970.00	3.22	9.41	7.95	9.69	0.000820	2.85	1134.48	375.56	0.40
Valle	7471.727	T=100	2420.00	3.22	10.00	8.36	10.29	0.000756	2.94	1357.03	379.83	0.39
Valle	7471.727	T=200	2890.00	3.22	10.59	8.66	10.88	0.000697	3.01	1583.38	384.43	0.38
Valle	7450	T=50	1970.00	3.17	9.31	7.92	9.67	0.000914	3.08	1015.58	333.28	0.42
Valle	7450	T=100	2420.00	3.17	9.90	8.31	10.26	0.000861	3.20	1211.02	337.44	0.42
Valle	7450	T=200	2890.00	3.17	10.48	8.70	10.86	0.000805	3.29	1410.73	341.01	0.41
Valle	7423.804	T=50	1970.00	3.18	9.25	7.81	9.64	0.000978	3.20	961.45	314.63	0.44
Valle	7423.804	T=100	2420.00	3.18	9.83	8.34	10.24	0.000927	3.33	1145.28	318.43	0.43
Valle	7423.804	T=200	2890.00	3.18	10.41	8.66	10.83	0.000872	3.44	1333.20	322.38	0.43
Valle	7400	T=50	1970.00	3.09	9.25	7.72	9.61	0.000920	3.08	970.74	293.97	0.43
Valle	7400	T=100	2420.00	3.09	9.82	8.20	10.21	0.000890	3.24	1140.59	297.47	0.43
Valle	7400	T=200	2890.00	3.09	10.40	8.50	10.81	0.000849	3.37	1314.44	299.86	0.42
Valle	7369.833	T=50	1970.00	3.17	9.17	7.58	9.57	0.001087	3.21	904.39	283.05	0.46
Valle	7369.833	T=100	2420.00	3.17	9.75	8.14	10.17	0.001038	3.37	1068.45	286.83	0.45
Valle	7369.833	T=200	2890.00	3.17	10.33	8.55	10.78	0.000978	3.50	1236.68	289.79	0.45
Valle	7350	T=50	1970.00	3.51	9.16	7.62	9.55	0.001127	3.21	909.91	281.27	0.46
Valle	7350	T=100	2420.00	3.51	9.73	7.94	10.15	0.001068	3.36	1072.77	283.61	0.46

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	7350	T=200	2890.00	3.51	10.32	8.41	10.76	0.001005	3.49	1239.24	286.46	0.45
Valle	7319.325	T=50	1970.00	2.88	9.12	7.30	9.51	0.001161	3.23	908.66	281.26	0.47
Valle	7319.325	T=100	2420.00	2.88	9.70	8.17	10.12	0.001091	3.37	1072.68	284.27	0.46
Valle	7319.325	T=200	2890.00	2.88	10.29	8.53	10.72	0.001023	3.50	1240.37	288.57	0.46
Valle	7300	T=50	1970.00	3.51	8.96	7.76	9.47	0.001476	3.61	810.54	285.54	0.53
Valle	7300	T=100	2420.00	3.51	9.56	8.18	10.08	0.001318	3.69	984.90	288.26	0.51
Valle	7300	T=200	2890.00	3.51	10.17	8.53	10.69	0.001186	3.76	1161.45	291.17	0.49
Valle	7276.548	T=50	1970.00	2.94	8.87	7.65	9.43	0.001404	3.64	754.67	278.86	0.52
Valle	7276.548	T=100	2420.00	2.94	9.44	8.18	10.04	0.001339	3.82	916.64	285.70	0.52
Valle	7276.548	T=200	2890.00	2.94	10.06	8.60	10.66	0.001209	3.89	1094.00	289.03	0.50
Valle	7257.118	T=50	1970.00	2.80	8.87	7.58	9.40	0.001281	3.50	775.43	280.20	0.50
Valle	7257.118	T=100	2420.00	2.80	9.45	8.06	10.01	0.001213	3.66	941.01	289.04	0.49
Valle	7257.118	T=200	2890.00	2.80	10.06	8.38	10.62	0.001112	3.75	1120.91	294.90	0.48
Valle	7228.348	T=50	1970.00	2.76	8.93	6.56	9.33	0.000762	2.97	861.83	275.78	0.39
Valle	7228.348	T=100	2420.00	2.76	9.49	7.04	9.95	0.000789	3.22	1025.25	298.32	0.41
Valle	7228.348	T=200	2890.00	2.76	10.09	7.69	10.57	0.000767	3.37	1206.51	303.15	0.41
Valle	7200	T=50	1970.00	2.88	8.96	6.27	9.29	0.000612	2.70	959.97	269.89	0.35
Valle	7200	T=100	2420.00	2.88	9.53	6.84	9.90	0.000642	2.94	1121.50	298.57	0.37
Valle	7200	T=200	2890.00	2.88	10.12	7.31	10.53	0.000638	3.11	1307.30	317.83	0.37
Valle	7163.919	T=50	1970.00	2.83	8.97	6.08	9.26	0.000539	2.54	1017.16	277.15	0.33
Valle	7163.919	T=100	2420.00	2.83	9.54	6.58	9.87	0.000561	2.75	1178.17	285.55	0.34
Valle	7163.919	T=200	2890.00	2.83	10.13	7.13	10.50	0.000571	2.94	1353.58	316.43	0.35
Valle	7128.79	T=50	1970.00	2.72	8.97	6.09	9.23	0.000471	2.37	1055.79	272.83	0.31
Valle	7128.79	T=100	2420.00	2.72	9.54	6.53	9.84	0.000499	2.60	1212.36	280.08	0.32
Valle	7128.79	T=200	2890.00	2.72	10.14	6.81	10.47	0.000504	2.77	1381.22	289.69	0.33
Valle	7092.713	T=50	1970.00	2.70	8.96	5.96	9.21	0.000466	2.37	1086.70	309.76	0.31
Valle	7092.713	T=100	2420.00	2.70	9.53	6.34	9.82	0.000490	2.58	1267.90	321.36	0.32
Valle	7092.713	T=200	2890.00	2.70	10.13	6.74	10.44	0.000488	2.73	1462.17	325.60	0.33
Valle	7057.347	T=50	1970.00	2.86	8.92	5.91	9.19	0.000509	2.46	1056.62	313.13	0.32
Valle	7057.347	T=100	2420.00	2.86	9.49	6.33	9.80	0.000526	2.66	1237.70	319.41	0.33
Valle	7057.347	T=200	2890.00	2.86	10.09	6.78	10.42	0.000518	2.80	1431.44	321.86	0.34
Valle	7025.087	T=50	1970.00	2.88	8.91	5.98	9.17	0.000516	2.47	1069.19	288.69	0.32
Valle	7025.087	T=100	2420.00	2.88	9.47	6.54	9.78	0.000546	2.70	1238.04	309.16	0.34
Valle	7025.087	T=200	2890.00	2.88	10.07	7.01	10.41	0.000537	2.84	1425.19	310.98	0.34
Valle	6992.726	T=50	1970.00	2.96	8.95	5.90	9.13	0.000398	2.18	1270.40	275.11	0.29
Valle	6992.726	T=100	2420.00	2.96	9.52	6.23	9.74	0.000437	2.43	1429.49	286.95	0.30
Valle	6992.726	T=200	2890.00	2.96	10.12	6.62	10.36	0.000450	2.61	1604.49	296.97	0.31
Valle	6960.463	T=50	1970.00	2.77	8.89	5.82	9.11	0.000427	2.24	1132.70	272.97	0.30
Valle	6960.463	T=100	2420.00	2.77	9.46	6.27	9.72	0.000453	2.45	1289.60	281.34	0.31
Valle	6960.463	T=200	2890.00	2.77	10.06	6.69	10.35	0.000458	2.61	1459.53	285.86	0.31
Valle	6928.272	T=50	1970.00	2.67	8.88	5.95	9.10	0.000432	2.26	1161.48	270.91	0.30
Valle	6928.272	T=100	2420.00	2.67	9.45	6.39	9.70	0.000455	2.47	1315.98	273.13	0.31
Valle	6928.272	T=200	2890.00	2.67	10.05	6.78	10.33	0.000460	2.63	1480.14	274.44	0.32
Valle	6900.452	T=50	1970.00	2.73	8.84	6.13	9.08	0.000492	2.40	1103.07	259.89	0.32
Valle	6900.452	T=100	2420.00	2.73	9.40	6.61	9.68	0.000519	2.62	1249.65	262.12	0.33
Valle	6900.452	T=200	2890.00	2.73	10.00	7.15	10.31	0.000524	2.79	1405.78	262.12	0.34
Valle	6874.823	T=50	1970.00	2.79	8.85	6.27	9.06	0.000475	2.36	1224.46	302.02	0.31
Valle	6874.823	T=100	2420.00	2.79	9.42	6.75	9.66	0.000495	2.56	1397.73	310.02	0.32
Valle	6874.823	T=200	2890.00	2.79	10.02	7.12	10.28	0.000497	2.72	1586.86	320.79	0.33
Valle	6849.097	T=50	1970.00	2.86	8.85	6.22	9.04	0.000429	2.24	1261.73	307.81	0.30
Valle	6849.097	T=100	2420.00	2.86	9.42	6.59	9.64	0.000445	2.42	1438.05	311.80	0.31
Valle	6849.097	T=200	2890.00	2.86	10.02	6.95	10.27	0.000443	2.57	1627.09	315.57	0.31
Valle	6821.913	T=50	1970.00	2.70	8.81	6.15	9.03	0.000486	2.38	1220.02	304.12	0.31
Valle	6821.913	T=100	2420.00	2.70	9.38	6.67	9.63	0.000499	2.57	1393.65	306.17	0.32
Valle	6821.913	T=200	2890.00	2.70	9.99	7.21	10.25	0.000494	2.71	1579.06	308.86	0.33
Valle	6785.72	T=50	1970.00	2.76	8.78	6.37	9.01	0.000497	2.39	1157.84	280.21	0.32
Valle	6785.72	T=100	2420.00	2.76	9.34	6.77	9.61	0.000518	2.60	1315.92	283.02	0.33
Valle	6785.72	T=200	2890.00	2.76	9.94	7.10	10.23	0.000518	2.76	1485.46	285.77	0.33
Valle	6749.126	T=50	1970.00	2.55	8.75	6.43	8.99	0.000561	2.53	1117.35	263.96	0.34
Valle	6749.126	T=100	2420.00	2.55	9.30	6.79	9.58	0.000587	2.75	1264.73	266.72	0.35
Valle	6749.126	T=200	2890.00	2.55	9.89	7.14	10.21	0.000592	2.93	1423.56	271.23	0.36
Valle	6699.274	T=50	1970.00	2.75	8.64	6.57	8.95	0.000794	2.97	998.93	248.51	0.40

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	6699.274	T=100	2420.00	2.75	9.18	6.95	9.54	0.000825	3.22	1135.07	250.85	0.41
Valle	6699.274	T=200	2890.00	2.75	9.77	7.30	10.17	0.000822	3.41	1283.21	254.09	0.42
Valle	6649.637	T=50	1970.00	2.69	8.72	5.92	8.88	0.000378	1.77	1113.02	245.26	0.26
Valle	6649.637	T=100	2420.00	2.69	9.27	6.23	9.46	0.000389	1.94	1249.92	247.21	0.27
Valle	6649.637	T=200	2890.00	2.69	9.87	6.53	10.09	0.000385	2.07	1397.55	250.45	0.28
Valle	6608.988	T=50	1970.00	2.87	8.68	6.10	8.86	0.000455	1.87	1052.11	245.96	0.29
Valle	6608.988	T=100	2420.00	2.87	9.23	6.40	9.44	0.000458	2.04	1188.97	247.90	0.30
Valle	6608.988	T=200	2890.00	2.87	9.83	6.69	10.07	0.000445	2.17	1336.96	251.56	0.30
Valle	6569.121	T=50	1970.00	2.78	8.63	6.30	8.84	0.000551	1.99	987.86	240.47	0.31
Valle	6569.121	T=100	2420.00	2.78	9.19	6.60	9.42	0.000554	2.16	1122.61	245.61	0.32
Valle	6569.121	T=200	2890.00	2.78	9.78	6.92	10.04	0.000527	2.28	1269.01	247.30	0.32
Valle	6529.948	T=50	1970.00	2.94	8.61	6.40	8.81	0.000574	1.96	1004.00	258.39	0.32
Valle	6529.948	T=100	2420.00	2.94	9.17	6.74	9.40	0.000559	2.11	1148.06	260.11	0.32
Valle	6529.948	T=200	2890.00	2.94	9.77	7.02	10.02	0.000523	2.22	1304.35	262.00	0.32
Valle	6491.657	T=50	1970.00	3.50	8.56	6.77	8.78	0.000744	2.09	943.14	268.80	0.36
Valle	6491.657	T=100	2420.00	3.50	9.12	7.04	9.37	0.000693	2.21	1094.48	271.29	0.35
Valle	6491.657	T=200	2890.00	3.50	9.73	7.30	10.00	0.000623	2.29	1260.29	275.39	0.34
Valle	6452.935	T=50	1970.00	3.13	8.56	6.39	8.75	0.000548	1.93	1019.97	261.18	0.31
Valle	6452.935	T=100	2420.00	3.13	9.12	6.67	9.34	0.000530	2.08	1166.99	263.64	0.31
Valle	6452.935	T=200	2890.00	3.13	9.72	6.94	9.97	0.000496	2.18	1327.18	265.60	0.31
Valle	6406.671	T=50	1970.00	2.33	8.57	5.72	8.72	0.000338	1.67	1179.19	259.86	0.25
Valle	6406.671	T=100	2420.00	2.33	9.13	6.02	9.30	0.000346	1.83	1326.33	264.80	0.26
Valle	6406.671	T=200	2890.00	2.33	9.74	6.29	9.93	0.000339	1.95	1487.15	265.83	0.26
Valle	6370.032	T=50	1970.00	2.25	8.57	5.42	8.70	0.000284	1.58	1247.44	262.00	0.23
Valle	6370.032	T=100	2420.00	2.25	9.13	5.73	9.29	0.000297	1.74	1395.81	266.90	0.24
Valle	6370.032	T=200	2890.00	2.25	9.74	6.02	9.92	0.000296	1.86	1558.32	268.46	0.24
Valle	6330.769	T=50	1970.00	2.30	8.56	5.44	8.69	0.000282	1.57	1255.73	265.61	0.23
Valle	6330.769	T=100	2420.00	2.30	9.12	5.73	9.28	0.000294	1.72	1406.06	270.53	0.24
Valle	6330.769	T=200	2890.00	2.30	9.73	6.00	9.90	0.000292	1.84	1571.02	272.31	0.24
Valle	6290.582	T=50	1970.00	2.14	8.56	5.27	8.67	0.000241	1.51	1314.12	268.87	0.22
Valle	6290.582	T=100	2420.00	2.14	9.12	5.55	9.26	0.000255	1.67	1465.98	271.19	0.23
Valle	6290.582	T=200	2890.00	2.14	9.73	5.82	9.89	0.000257	1.79	1630.89	272.12	0.23
Valle	6250.849	T=50	1970.00	2.33	8.56	5.02	8.66	0.000197	1.42	1402.55	271.30	0.20
Valle	6250.849	T=100	2420.00	2.33	9.12	5.28	9.25	0.000212	1.57	1555.52	272.74	0.21
Valle	6250.849	T=200	2890.00	2.33	9.73	5.55	9.88	0.000217	1.70	1721.53	273.72	0.21
Valle	6211.123	T=50	1970.00	2.22	8.55	5.04	8.65	0.000199	1.42	1404.91	274.93	0.20
Valle	6211.123	T=100	2420.00	2.22	9.11	5.31	9.24	0.000214	1.57	1560.70	279.31	0.21
Valle	6211.123	T=200	2890.00	2.22	9.72	5.57	9.87	0.000218	1.70	1730.73	280.77	0.21
Valle	6171.176	T=50	1970.00	2.35	8.53	5.25	8.64	0.000240	1.47	1341.21	276.93	0.21
Valle	6171.176	T=100	2420.00	2.35	9.10	5.53	9.23	0.000251	1.62	1498.02	281.60	0.22
Valle	6171.176	T=200	2890.00	2.35	9.70	5.82	9.86	0.000251	1.74	1669.15	281.60	0.23
Valle	6131.188	T=50	1970.00	2.45	8.53	5.19	8.63	0.000224	1.44	1370.53	278.44	0.21
Valle	6131.188	T=100	2420.00	2.45	9.09	5.47	9.22	0.000236	1.59	1527.96	282.40	0.22
Valle	6131.188	T=200	2890.00	2.45	9.70	5.73	9.85	0.000237	1.70	1699.63	282.40	0.22
Valle	6087.609	T=50	1970.00	2.54	8.49	5.58	8.62	0.000298	1.57	1253.02	274.43	0.23
Valle	6087.609	T=100	2420.00	2.54	9.05	5.85	9.20	0.000308	1.72	1407.54	280.78	0.24
Valle	6087.609	T=200	2890.00	2.54	9.66	6.11	9.83	0.000302	1.84	1578.44	282.12	0.25
Valle	6043.049	T=50	1970.00	2.37	8.48	5.36	8.61	0.000272	1.54	1278.58	271.23	0.23
Valle	6043.049	T=100	2420.00	2.37	9.04	5.65	9.19	0.000284	1.70	1431.06	274.12	0.23
Valle	6043.049	T=200	2890.00	2.37	9.65	5.92	9.82	0.000282	1.82	1597.32	274.12	0.24
Valle	5998.942	T=50	1970.00	2.71	8.40	6.23	8.58	0.000557	1.92	1028.62	265.07	0.31
Valle	5998.942	T=100	2420.00	2.71	8.95	6.51	9.17	0.000540	2.06	1176.17	268.17	0.31
Valle	5998.942	T=200	2890.00	2.71	9.56	6.77	9.79	0.000502	2.16	1338.78	268.17	0.31
Valle	5954.124	T=50	1970.00	2.53	8.39	5.87	8.56	0.000423	1.83	1087.24	254.76	0.28
Valle	5954.124	T=100	2420.00	2.53	8.94	6.15	9.14	0.000429	1.99	1229.48	259.94	0.29
Valle	5954.124	T=200	2890.00	2.53	9.54	6.42	9.77	0.000414	2.12	1386.99	259.94	0.29
Valle	5906.885	T=50	1970.00	2.54	8.35	5.85	8.53	0.000444	1.90	1054.37	247.42	0.29
Valle	5906.885	T=100	2420.00	2.54	8.90	6.13	9.12	0.000451	2.07	1191.35	250.45	0.29
Valle	5906.885	T=200	2890.00	2.54	9.51	6.42	9.75	0.000436	2.19	1342.86	250.45	0.30
Valle	5861.53	T=50	1970.00	2.50	8.33	5.61	8.51	0.000415	1.91	1048.75	232.44	0.28
Valle	5861.53	T=100	2420.00	2.50	8.88	5.92	9.10	0.000434	2.09	1176.90	237.84	0.29
Valle	5861.53	T=200	2890.00	2.50	9.48	6.19	9.73	0.000429	2.24	1320.91	240.78	0.29

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	5816.878	T=50	1970.00	2.49	8.30	5.63	8.50	0.000429	1.96	1030.87	230.27	0.29
Valle	5816.878	T=100	2420.00	2.49	8.85	5.94	9.08	0.000447	2.15	1155.83	230.27	0.30
Valle	5816.878	T=200	2890.00	2.49	9.45	6.25	9.71	0.000442	2.29	1293.98	230.27	0.30
Valle	5778.98	T=50	1970.00	2.52	8.23	5.99	8.47	0.000618	2.21	908.44	220.27	0.34
Valle	5778.98	T=100	2420.00	2.52	8.76	6.30	9.05	0.000629	2.41	1026.73	222.46	0.35
Valle	5778.98	T=200	2890.00	2.52	9.36	6.61	9.68	0.000606	2.55	1159.55	222.46	0.35
Valle	5741.657	T=50	1970.00	2.72	8.13	6.27	8.44	0.000866	2.46	812.47	217.26	0.39
Valle	5741.657	T=100	2420.00	2.72	8.66	6.59	9.02	0.000855	2.66	928.39	219.41	0.40
Valle	5741.657	T=200	2890.00	2.72	9.26	6.91	9.65	0.000795	2.78	1060.12	219.56	0.39
Valle	5705.226	T=50	1970.00	2.70	8.13	6.00	8.40	0.000692	2.31	864.55	210.61	0.35
Valle	5705.226	T=100	2420.00	2.70	8.66	6.32	8.98	0.000704	2.51	976.35	212.11	0.37
Valle	5705.226	T=200	2890.00	2.70	9.26	6.63	9.61	0.000676	2.66	1103.24	212.11	0.36
Valle	5658.728	T=50	1970.00	2.29	8.14	5.54	8.36	0.000499	2.09	956.46	212.49	0.31
Valle	5658.728	T=100	2420.00	2.29	8.67	5.90	8.93	0.000525	2.30	1071.25	217.08	0.32
Valle	5658.728	T=200	2890.00	2.29	9.27	6.22	9.57	0.000517	2.45	1201.55	217.08	0.32
Valle	5612.418	T=50	1970.00	2.11	8.07	5.87	8.33	0.000646	2.26	885.05	210.85	0.34
Valle	5612.418	T=100	2420.00	2.11	8.59	6.18	8.90	0.000665	2.47	996.90	215.05	0.36
Valle	5612.418	T=200	2890.00	2.11	9.19	6.50	9.54	0.000640	2.62	1126.95	216.79	0.36
Valle	5585.467	T=50	1970.00	2.40	7.99	6.20	8.30	0.000911	2.49	801.46	211.66	0.40
Valle	5585.467	T=100	2420.00	2.40	8.51	6.53	8.87	0.000903	2.70	913.26	215.61	0.41
Valle	5585.467	T=200	2890.00	2.40	9.11	6.84	9.51	0.000836	2.82	1044.15	216.84	0.40
Valle	5559.211	T=50	1970.00	2.24	7.90	6.41	8.27	0.001171	2.69	742.13	211.41	0.45
Valle	5559.211	T=100	2420.00	2.24	8.43	6.72	8.84	0.001126	2.88	853.35	214.71	0.45
Valle	5559.211	T=200	2890.00	2.24	9.04	7.04	9.48	0.001009	2.99	985.79	217.16	0.44
Valle	5523.778	T=50	1970.00	2.46	7.93	5.95	8.21	0.000761	2.33	854.84	217.68	0.37
Valle	5523.778	T=100	2420.00	2.46	8.46	6.26	8.78	0.000764	2.53	970.96	223.50	0.38
Valle	5523.778	T=200	2890.00	2.46	9.07	6.57	9.43	0.000711	2.65	1108.81	224.96	0.37
Valle	5487.42	T=50	1970.00	2.50	7.91	6.04	8.18	0.000806	2.31	855.95	228.95	0.38
Valle	5487.42	T=100	2420.00	2.50	8.44	6.36	8.75	0.000788	2.49	978.50	233.26	0.38
Valle	5487.42	T=200	2890.00	2.50	9.05	6.65	9.40	0.000720	2.60	1123.47	234.81	0.37
Valle	5450.433	T=50	1970.00	2.64	7.88	6.05	8.15	0.000799	2.28	869.59	233.95	0.37
Valle	5450.433	T=100	2420.00	2.64	8.41	6.34	8.72	0.000783	2.45	994.89	236.17	0.38
Valle	5450.433	T=200	2890.00	2.64	9.04	6.63	9.37	0.000711	2.55	1141.92	236.17	0.37
Valle	5445.05	T=50	1970.00	2.56	7.89	5.90	8.14	0.000701	2.19	905.91	235.09	0.35
Valle	5445.05	T=100	2420.00	2.56	8.38	6.19	8.71	0.000700	2.37	1035.83	247.51	0.36
Valle	5445.05	T=200	2890.00	2.56	9.05	6.48	9.36	0.000640	2.47	1190.00	247.51	0.35
Valle	5440		Bridge									
Valle	5439.393	T=50	1970.00	2.68	7.86	5.92	8.11	0.000728	2.23	890.41	234.05	0.36
Valle	5439.393	T=100	2420.00	2.68	8.38	6.22	8.68	0.000718	2.41	1014.92	237.64	0.36
Valle	5439.393	T=200	2890.00	2.68	8.90	6.51	9.23	0.000709	2.57	1136.31	237.64	0.37
Valle	5435.854	T=50	1970.00	2.78	7.86	5.91	8.11	0.000730	2.22	893.66	234.33	0.36
Valle	5435.854	T=100	2420.00	2.78	8.38	6.21	8.67	0.000720	2.39	1018.59	238.38	0.36
Valle	5435.854	T=200	2890.00	2.78	8.90	6.49	9.23	0.000710	2.56	1140.39	238.38	0.37
Valle	5387.867	T=50	1970.00	1.80	7.74	6.01	8.06	0.000978	2.52	785.88	209.43	0.41
Valle	5387.867	T=100	2420.00	1.80	8.25	6.33	8.63	0.000978	2.72	894.10	212.53	0.42
Valle	5387.867	T=200	2890.00	1.80	8.75	6.64	9.18	0.000966	2.91	1000.21	213.01	0.42
Valle	5355.977	T=50	1970.00	1.77	7.63	6.24	8.02	0.001322	2.76	718.54	209.11	0.47
Valle	5355.977	T=100	2420.00	1.77	8.14	6.56	8.58	0.001262	2.95	826.56	212.46	0.47
Valle	5355.977	T=200	2890.00	1.77	8.64	6.87	9.14	0.001212	3.13	933.77	215.65	0.47
Valle	5326.403	T=50	1970.00	1.87	7.54	6.32	7.97	0.001577	2.92	680.06	209.09	0.51
Valle	5326.403	T=100	2420.00	1.87	8.06	6.65	8.54	0.001465	3.09	788.72	211.53	0.50
Valle	5326.403	T=200	2890.00	1.87	8.56	6.97	9.09	0.001383	3.26	895.74	216.29	0.50
Valle	5278.855	T=50	1970.00	1.46	7.54	5.93	7.88	0.001062	2.61	761.52	210.26	0.43
Valle	5278.855	T=100	2420.00	1.46	8.06	6.25	8.46	0.001034	2.80	871.60	212.49	0.43
Valle	5278.855	T=200	2890.00	1.46	8.56	6.56	9.01	0.001011	2.99	979.54	215.11	0.44
Valle	5230.262	T=50	1970.00	1.66	7.51	5.77	7.83	0.000968	2.51	788.28	210.00	0.41
Valle	5230.262	T=100	2420.00	1.66	8.03	6.10	8.40	0.000952	2.71	898.37	213.02	0.41
Valle	5230.262	T=200	2890.00	1.66	8.53	6.41	8.96	0.000938	2.89	1006.65	214.59	0.42
Valle	5192.268	T=50	1970.00	1.50	7.42	5.88	7.78	0.001205	2.67	739.25	210.13	0.45
Valle	5192.268	T=100	2420.00	1.50	7.94	6.21	8.36	0.001154	2.86	849.64	212.38	0.45
Valle	5192.268	T=200	2890.00	1.50	8.44	6.52	8.91	0.001116	3.04	957.23	213.41	0.45
Valle	5152.938	T=50	1970.00	1.55	7.41	5.61	7.72	0.000908	2.47	801.27	209.85	0.40

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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 # Chi
Valle	5152.938	T=100	2420.00	1.55	7.94	5.93	8.30	0.000899	2.67	912.12	213.26	0.40
Valle	5152.938	T=200	2890.00	1.55	8.44	6.24	8.86	0.000890	2.86	1020.60	214.36	0.41
Valle	5112.368	T=50	1970.00	1.67	7.40	5.36	7.68	0.000754	2.33	849.73	210.35	0.37
Valle	5112.368	T=100	2420.00	1.67	7.93	5.68	8.26	0.000763	2.54	960.99	214.19	0.37
Valle	5112.368	T=200	2890.00	1.67	8.44	6.00	8.81	0.000768	2.73	1069.60	214.19	0.38
Valle	5069.352	T=50	1970.00	1.70	7.37	5.30	7.65	0.000728	2.32	855.12	209.08	0.36
Valle	5069.352	T=100	2420.00	1.70	7.90	5.62	8.22	0.000740	2.52	965.49	212.07	0.37
Valle	5069.352	T=200	2890.00	1.70	8.40	5.93	8.78	0.000748	2.72	1073.49	213.92	0.38
Valle	5020.795	T=50	1970.00	1.52	7.28	5.42	7.60	0.000951	2.50	788.90	209.49	0.41
Valle	5020.795	T=100	2420.00	1.52	7.80	5.76	8.18	0.000937	2.71	899.08	212.50	0.41
Valle	5020.795	T=200	2890.00	1.52	8.31	6.08	8.73	0.000926	2.89	1006.47	213.20	0.42
Valle	4979.656	T=50	1970.00	1.46	7.27	5.37	7.56	0.000828	2.38	829.62	213.73	0.38
Valle	4979.656	T=100	2420.00	1.46	7.79	5.68	8.13	0.000825	2.58	942.20	215.12	0.39
Valle	4979.656	T=200	2890.00	1.46	8.30	5.99	8.69	0.000823	2.77	1051.43	216.40	0.39
Valle	4941.521	T=50	1970.00	1.54	7.19	5.48	7.52	0.001019	2.54	779.21	211.64	0.42
Valle	4941.521	T=100	2420.00	1.54	7.71	5.81	8.09	0.000995	2.74	890.02	212.43	0.42
Valle	4941.521	T=200	2890.00	1.54	8.22	6.13	8.65	0.000977	2.92	997.39	213.19	0.43
Valle	4903.059	T=50	1970.00	1.49	7.19	5.07	7.47	0.000737	2.33	850.01	208.81	0.36
Valle	4903.059	T=100	2420.00	1.49	7.72	5.40	8.04	0.000748	2.54	960.04	211.80	0.37
Valle	4903.059	T=200	2890.00	1.49	8.22	5.73	8.60	0.000757	2.73	1067.83	214.25	0.38
Valle	4864.216	T=50	1970.00	1.55	7.15	5.13	7.44	0.000772	2.36	836.85	207.11	0.37
Valle	4864.216	T=100	2420.00	1.55	7.68	5.46	8.01	0.000782	2.57	945.66	210.78	0.38
Valle	4864.216	T=200	2890.00	1.55	8.18	5.77	8.57	0.000790	2.77	1052.55	212.46	0.39
Valle	4825.143	T=50	1970.00	1.11	7.13	5.02	7.41	0.000734	2.32	851.47	208.16	0.36
Valle	4825.143	T=100	2420.00	1.11	7.65	5.35	7.98	0.000749	2.54	961.08	212.60	0.37
Valle	4825.143	T=200	2890.00	1.11	8.16	5.67	8.54	0.000758	2.73	1068.99	214.53	0.38
Valle	4784.8	T=50	1970.00	1.28	7.06	5.21	7.37	0.000896	2.48	798.40	207.16	0.40
Valle	4784.8	T=100	2420.00	1.28	7.58	5.55	7.94	0.000894	2.69	906.35	209.54	0.41
Valle	4784.8	T=200	2890.00	1.28	8.08	5.87	8.50	0.000892	2.88	1012.12	212.13	0.41
Valle	4744.987	T=50	1970.00	0.87	7.02	5.14	7.33	0.000905	2.47	800.15	209.12	0.40
Valle	4744.987	T=100	2420.00	0.87	7.54	5.50	7.91	0.000900	2.68	909.53	211.82	0.40
Valle	4744.987	T=200	2890.00	0.87	8.04	5.82	8.46	0.000896	2.87	1016.60	215.91	0.41
Valle	4703.987	T=50	1970.00	1.16	6.99	5.11	7.29	0.000860	2.43	813.90	208.40	0.39
Valle	4703.987	T=100	2420.00	1.16	7.51	5.43	7.87	0.000861	2.64	922.90	210.99	0.40
Valle	4703.987	T=200	2890.00	1.16	8.02	5.74	8.42	0.000862	2.83	1029.55	213.50	0.40
Valle	4664.987	T=50	1970.00	1.21	6.93	5.16	7.26	0.000954	2.53	786.54	209.06	0.41
Valle	4664.987	T=100	2420.00	1.21	7.45	5.50	7.83	0.000946	2.74	895.63	212.24	0.41
Valle	4664.987	T=200	2890.00	1.21	7.95	5.81	8.38	0.000938	2.93	1002.79	213.55	0.42
Valle	4623.755	T=50	1970.00	1.15	6.90	5.07	7.21	0.000907	2.48	801.19	210.64	0.40
Valle	4623.755	T=100	2420.00	1.15	7.42	5.39	7.79	0.000904	2.69	911.88	216.14	0.40
Valle	4623.755	T=200	2890.00	1.15	7.93	5.71	8.34	0.000898	2.87	1022.06	220.49	0.41
Valle	4583.441	T=50	1970.00	1.16	6.79	5.26	7.17	0.001206	2.71	731.26	209.13	0.45
Valle	4583.441	T=100	2420.00	1.16	7.31	5.59	7.74	0.001160	2.90	840.80	213.12	0.45
Valle	4583.441	T=200	2890.00	1.16	7.81	5.94	8.30	0.001124	3.08	948.76	215.68	0.46
Valle	4542.795	T=50	1970.00	0.63	6.78	4.90	7.11	0.000939	2.53	783.61	204.47	0.41
Valle	4542.795	T=100	2420.00	0.63	7.30	5.24	7.68	0.000935	2.74	891.69	211.55	0.41
Valle	4542.795	T=200	2890.00	0.63	7.81	5.58	8.24	0.000928	2.93	998.87	214.84	0.42
Valle	4501.739	T=50	1970.00	1.04	6.75	4.89	7.07	0.000884	2.48	799.26	208.48	0.40
Valle	4501.739	T=100	2420.00	1.04	7.27	5.22	7.64	0.000883	2.69	908.83	212.04	0.40
Valle	4501.739	T=200	2890.00	1.04	7.78	5.54	8.20	0.000880	2.88	1016.46	214.16	0.41
Valle	4453.047	T=50	1970.00	0.83	6.77	4.38	7.01	0.000606	2.21	899.64	210.69	0.33
Valle	4453.047	T=100	2420.00	0.83	7.29	4.72	7.58	0.000629	2.42	1010.12	211.60	0.35
Valle	4453.047	T=200	2890.00	0.83	7.79	5.04	8.14	0.000647	2.62	1117.03	211.60	0.36
Valle	4410.4	T=50	1970.00	0.51	6.75	4.41	6.98	0.000586	2.17	919.06	215.20	0.33
Valle	4410.4	T=100	2420.00	0.51	7.27	4.74	7.55	0.000607	2.38	1032.08	218.17	0.34
Valle	4410.4	T=200	2890.00	0.51	7.78	5.06	8.11	0.000624	2.58	1142.62	218.32	0.35
Valle	4367.539	T=50	1970.00	0.34	6.58	5.03	6.94	0.001181	2.66	744.40	210.85	0.45
Valle	4367.539	T=100	2420.00	0.34	7.09	5.39	7.51	0.001137	2.85	854.36	214.38	0.45
Valle	4367.539	T=200	2890.00	0.34	7.59	5.70	8.06	0.001103	3.03	961.52	214.38	0.45
Valle	4324.509	T=50	1970.00	0.50	6.59	4.63	6.87	0.000794	2.36	841.48	214.84	0.37
Valle	4324.509	T=100	2420.00	0.50	7.11	4.95	7.44	0.000799	2.56	953.33	216.14	0.38
Valle	4324.509	T=200	2890.00	0.50	7.61	5.26	7.99	0.000802	2.75	1062.34	217.35	0.39

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	4281.725	T=50	1970.00	0.55	6.57	4.49	6.84	0.000734	2.31	862.58	219.41	0.36
Valle	4281.725	T=100	2420.00	0.55	7.09	4.83	7.40	0.000741	2.51	977.30	221.33	0.37
Valle	4281.725	T=200	2890.00	0.55	7.59	5.15	7.96	0.000746	2.69	1089.28	222.71	0.38
Valle	4233.595	T=50	1970.00	0.47	6.56	4.45	6.79	0.000627	2.14	944.63	246.53	0.33
Valle	4233.595	T=100	2420.00	0.47	7.09	4.77	7.36	0.000626	2.31	1075.69	250.06	0.34
Valle	4233.595	T=200	2890.00	0.47	7.60	5.08	7.90	0.000623	2.47	1204.19	251.83	0.35
Valle	4190.973	T=50	1970.00	0.42	6.61	3.79	6.74	0.000307	1.64	1244.25	285.80	0.24
Valle	4190.973	T=100	2420.00	0.42	7.15	4.09	7.31	0.000320	1.80	1398.66	290.21	0.25
Valle	4190.973	T=200	2890.00	0.42	7.67	4.35	7.85	0.000328	1.94	1550.15	292.33	0.26
Valle	4152.624	T=50	1970.00	0.45	6.62	3.95	6.72	0.000270	1.49	1383.77	335.88	0.22
Valle	4152.624	T=100	2420.00	0.45	7.16	4.19	7.28	0.000274	1.61	1565.88	338.08	0.23
Valle	4152.624	T=200	2890.00	0.45	7.68	4.42	7.83	0.000275	1.73	1742.94	338.08	0.23
Valle	4110.281	T=50	1970.00	0.48	6.62	3.86	6.70	0.000222	1.25	1581.71	400.67	0.20
Valle	4110.281	T=100	2420.00	0.48	7.17	4.10	7.26	0.000219	1.35	1801.45	406.77	0.20
Valle	4110.281	T=200	2890.00	0.48	7.70	4.32	7.80	0.000216	1.44	2016.00	406.77	0.20
Valle	4092.527	T=50	1970.00	0.46	6.62	3.84	6.70	0.000214	1.23	1605.55	401.60	0.20
Valle	4092.527	T=100	2420.00	0.46	7.17	4.06	7.26	0.000212	1.33	1824.76	403.85	0.20
Valle	4092.527	T=200	2890.00	0.46	7.69	4.27	7.80	0.000210	1.42	2037.80	403.85	0.20
Valle	4070		Bridge									
Valle	4062.101	T=50	1970.00	0.41	6.61	3.69	6.68	0.000170	1.14	1749.47	428.21	0.18
Valle	4062.101	T=100	2420.00	0.41	7.15	3.90	7.23	0.000172	1.24	1980.53	428.21	0.18
Valle	4062.101	T=200	2890.00	0.41	7.68	4.10	7.76	0.000172	1.33	2203.82	428.21	0.18
Valle	4038.405	T=50	1970.00	0.44	6.61	3.37	6.67	0.000143	1.09	1808.21	400.60	0.16
Valle	4038.405	T=100	2420.00	0.44	7.15	3.58	7.23	0.000148	1.20	2025.51	405.17	0.17
Valle	4038.405	T=200	2890.00	0.44	7.67	3.79	7.76	0.000153	1.30	2236.48	405.17	0.18
Valle	3966.391	T=50	1970.00	0.46	6.57	3.38	6.66	0.000201	1.33	1494.38	322.19	0.19
Valle	3966.391	T=100	2420.00	0.46	7.10	3.62	7.21	0.000212	1.47	1665.73	323.88	0.20
Valle	3966.391	T=200	2890.00	0.46	7.61	3.86	7.74	0.000222	1.60	1831.61	323.88	0.21
Valle	3913.221	T=50	1970.00	0.39	6.49	3.80	6.64	0.000361	1.72	1156.84	265.11	0.26
Valle	3913.221	T=100	2420.00	0.39	7.01	4.07	7.19	0.000379	1.90	1294.45	268.34	0.27
Valle	3913.221	T=200	2890.00	0.39	7.50	4.34	7.72	0.000393	2.06	1428.18	268.34	0.28
Valle	3874.844	T=50	1970.00	0.36	6.39	4.17	6.61	0.000587	2.09	952.10	235.09	0.33
Valle	3874.844	T=100	2420.00	0.36	6.89	4.46	7.16	0.000607	2.30	1070.27	236.42	0.34
Valle	3874.844	T=200	2890.00	0.36	7.38	4.76	7.69	0.000623	2.48	1184.87	237.02	0.35
Valle	3845.213	T=50	1970.00	0.38	6.31	4.32	6.59	0.000760	2.33	855.72	218.68	0.37
Valle	3845.213	T=100	2420.00	0.38	6.80	4.64	7.13	0.000783	2.55	963.58	220.89	0.38
Valle	3845.213	T=200	2890.00	0.38	7.28	4.95	7.66	0.000802	2.76	1068.50	222.53	0.39
Valle	3796.397	T=50	1970.00	0.52	6.23	4.46	6.55	0.000920	2.49	802.91	214.31	0.40
Valle	3796.397	T=100	2420.00	0.52	6.72	4.79	7.09	0.000936	2.71	906.87	215.15	0.41
Valle	3796.397	T=200	2890.00	0.52	7.18	5.10	7.61	0.000950	2.93	1007.67	217.33	0.42
Valle	3747.141	T=50	1970.00	0.49	6.21	4.18	6.49	0.000746	2.35	848.13	209.19	0.37
Valle	3747.141	T=100	2420.00	0.49	6.70	4.50	7.04	0.000780	2.59	949.75	211.32	0.38
Valle	3747.141	T=200	2890.00	0.49	7.16	4.81	7.56	0.000809	2.81	1048.22	211.90	0.40
Valle	3697.808	T=50	1970.00	0.29	6.20	3.88	6.45	0.000609	2.22	905.37	210.73	0.34
Valle	3697.808	T=100	2420.00	0.29	6.69	4.20	6.99	0.000650	2.46	1007.53	212.09	0.35
Valle	3697.808	T=200	2890.00	0.29	7.15	4.53	7.51	0.000685	2.68	1106.84	213.95	0.37
Valle	3645.001	T=50	1970.00	0.08	6.15	3.95	6.42	0.000666	2.28	878.27	211.78	0.35
Valle	3645.001	T=100	2420.00	0.08	6.63	4.28	6.95	0.000707	2.52	979.94	212.69	0.37
Valle	3645.001	T=200	2890.00	0.08	7.09	4.60	7.47	0.000742	2.74	1078.45	213.61	0.38
Valle	3600.592	T=50	1970.00	0.07	6.09	4.11	6.38	0.000783	2.39	837.39	210.10	0.37
Valle	3600.592	T=100	2420.00	0.07	6.57	4.43	6.92	0.000821	2.63	937.09	211.29	0.39
Valle	3600.592	T=200	2890.00	0.07	7.02	4.74	7.43	0.000853	2.86	1033.74	211.76	0.40
Valle	3556.022	T=50	1970.00	0.23	6.07	4.00	6.34	0.000727	2.34	854.79	208.88	0.36
Valle	3556.022	T=100	2420.00	0.23	6.54	4.32	6.88	0.000769	2.59	953.77	210.47	0.38
Valle	3556.022	T=200	2890.00	0.23	6.99	4.63	7.39	0.000805	2.81	1050.21	212.78	0.40
Valle	3517.655	T=50	1970.00	0.22	6.05	3.88	6.31	0.000670	2.28	875.52	209.43	0.35
Valle	3517.655	T=100	2420.00	0.22	6.52	4.20	6.84	0.000715	2.53	974.69	211.17	0.37
Valle	3517.655	T=200	2890.00	0.22	6.98	4.51	7.36	0.000752	2.75	1071.17	212.78	0.38
Valle	3477.327	T=50	1970.00	0.30	5.95	4.21	6.28	0.000950	2.53	789.90	210.23	0.41
Valle	3477.327	T=100	2420.00	0.30	6.41	4.53	6.80	0.000984	2.77	887.67	212.27	0.42
Valle	3477.327	T=200	2890.00	0.30	6.86	4.84	7.32	0.001011	3.00	982.99	214.07	0.44
Valle	3438.069	T=50	1970.00	0.20	5.93	4.03	6.23	0.000826	2.43	822.29	209.38	0.39

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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 # Chi
Valle	3438.069	T=100	2420.00	0.20	6.40	4.35	6.76	0.000869	2.68	919.67	212.06	0.40
Valle	3438.069	T=200	2890.00	0.20	6.84	4.66	7.27	0.000903	2.91	1014.87	214.15	0.42
Valle	3400.185	T=50	1970.00	0.28	5.82	4.30	6.19	0.001157	2.69	743.08	206.82	0.45
Valle	3400.185	T=100	2420.00	0.28	6.28	4.62	6.71	0.001186	2.94	837.26	209.88	0.46
Valle	3400.185	T=200	2890.00	0.28	6.71	4.93	7.22	0.001206	3.17	930.02	212.32	0.47
Valle	3376.255	T=50	1970.00	0.29	5.82	4.15	6.15	0.000998	2.56	783.02	213.22	0.42
Valle	3376.255	T=100	2420.00	0.29	6.28	4.47	6.68	0.001031	2.80	880.59	215.10	0.43
Valle	3376.255	T=200	2890.00	0.29	6.72	4.78	7.18	0.001056	3.03	976.09	217.90	0.45
Valle	3337.304	T=50	1970.00	0.29	5.77	4.14	6.11	0.001045	2.60	772.38	214.75	0.43
Valle	3337.304	T=100	2420.00	0.29	6.22	4.47	6.63	0.001077	2.85	870.11	217.79	0.44
Valle	3337.304	T=200	2890.00	0.29	6.66	4.78	7.14	0.001103	3.08	966.68	221.66	0.45
Valle	3280.426	T=50	1970.00	0.24	5.64	4.21	6.04	0.001298	2.86	729.76	212.59	0.47
Valle	3280.426	T=100	2420.00	0.24	6.08	4.53	6.56	0.001337	3.13	823.47	214.36	0.49
Valle	3280.426	T=200	2890.00	0.24	6.50	4.90	7.06	0.001366	3.38	915.47	217.19	0.50
Valle	3256.96	T=50	1970.00	0.27	5.60	4.13	6.01	0.001285	2.88	722.04	209.23	0.47
Valle	3256.96	T=100	2420.00	0.27	6.03	4.48	6.53	0.001335	3.15	813.50	211.68	0.49
Valle	3256.96	T=200	2890.00	0.27	6.45	4.82	7.03	0.001374	3.41	903.14	214.53	0.51
Valle	3233.864	T=50	1970.00	0.28	5.45	4.12	5.97	0.001602	3.17	621.04	167.07	0.53
Valle	3233.864	T=100	2420.00	0.28	5.84	4.49	6.48	0.001751	3.53	685.92	167.79	0.56
Valle	3233.864	T=200	2890.00	0.28	6.21	4.85	6.97	0.001885	3.86	747.96	168.37	0.59
Valle	3230		Bridge									
Valle	3226.518	T=50	1970.00	0.28	5.31	4.12	5.87	0.001815	3.30	597.59	166.77	0.56
Valle	3226.518	T=100	2420.00	0.28	5.66	4.49	6.35	0.002033	3.69	655.12	167.49	0.60
Valle	3226.518	T=200	2890.00	0.28	5.97	4.85	6.82	0.002256	4.08	707.66	167.99	0.64
Valle	3188.564	T=50	1970.00	0.23	5.51	3.76	5.72	0.000677	2.22	1154.24	361.60	0.35
Valle	3188.564	T=100	2420.00	0.23	5.93	4.05	6.17	0.000709	2.43	1304.78	364.27	0.36
Valle	3188.564	T=200	2890.00	0.23	6.32	4.31	6.60	0.000740	2.62	1448.14	367.94	0.38
Valle	3150.799	T=50	1970.00	0.12	5.53	3.51	5.68	0.000478	1.72	1203.88	365.34	0.29
Valle	3150.799	T=100	2420.00	0.12	5.95	3.74	6.12	0.000499	1.89	1360.67	382.13	0.30
Valle	3150.799	T=200	2890.00	0.12	6.34	3.97	6.55	0.000516	2.05	1513.15	391.14	0.31
Valle	3110.45	T=50	1970.00	0.15	5.51	3.54	5.66	0.000493	1.72	1183.03	369.98	0.29
Valle	3110.45	T=100	2420.00	0.15	5.93	3.77	6.10	0.000509	1.88	1342.33	387.67	0.30
Valle	3110.45	T=200	2890.00	0.15	6.32	4.00	6.53	0.000523	2.03	1497.19	394.64	0.31
Valle	3076.176	T=50	1970.00	0.20	5.49	3.58	5.64	0.000521	1.74	1177.22	378.29	0.30
Valle	3076.176	T=100	2420.00	0.20	5.91	3.81	6.09	0.000533	1.90	1336.68	383.64	0.31
Valle	3076.176	T=200	2890.00	0.20	6.30	4.04	6.51	0.000545	2.05	1489.81	393.16	0.32
Valle	3046.615	T=50	1970.00	0.29	5.47	3.58	5.62	0.000527	1.75	1174.40	372.56	0.30
Valle	3046.615	T=100	2420.00	0.29	5.89	3.82	6.07	0.000539	1.91	1330.99	376.56	0.31
Valle	3046.615	T=200	2890.00	0.29	6.28	4.05	6.49	0.000552	2.06	1480.31	379.84	0.32
Valle	2998.246	T=50	1970.00	0.24	5.41	3.63	5.59	0.000671	1.88	1075.83	367.02	0.33
Valle	2998.246	T=100	2420.00	0.24	5.83	3.89	6.04	0.000671	2.04	1229.62	374.23	0.34
Valle	2998.246	T=200	2890.00	0.24	6.22	4.16	6.46	0.000676	2.19	1378.00	383.35	0.35
Valle	2949.267	T=50	1970.00	0.66	5.35	3.68	5.55	0.000824	2.01	981.13	339.57	0.37
Valle	2949.267	T=100	2420.00	0.66	5.76	3.95	6.00	0.000815	2.18	1127.38	365.84	0.37
Valle	2949.267	T=200	2890.00	0.66	6.15	4.21	6.42	0.000811	2.33	1272.74	383.70	0.38
Valle	2901.098	T=50	1970.00	0.30	5.29	3.56	5.51	0.000825	2.09	945.10	293.28	0.37
Valle	2901.098	T=100	2420.00	0.30	5.69	3.84	5.96	0.000871	2.27	1066.18	311.47	0.39
Valle	2901.098	T=200	2890.00	0.30	6.07	4.10	6.38	0.000883	2.45	1187.32	324.71	0.40
Valle	2852.147	T=50	1970.00	0.27	5.22	3.68	5.47	0.000967	2.21	901.48	305.81	0.40
Valle	2852.147	T=100	2420.00	0.27	5.62	3.97	5.91	0.000978	2.40	1025.10	319.49	0.41
Valle	2852.147	T=200	2890.00	0.27	5.99	4.26	6.33	0.000989	2.59	1146.70	328.04	0.42
Valle	2804.241	T=50	1970.00	0.22	5.22	3.33	5.41	0.000631	1.98	1052.31	330.65	0.33
Valle	2804.241	T=100	2420.00	0.22	5.62	3.61	5.85	0.000664	2.17	1185.60	336.56	0.35
Valle	2804.241	T=200	2890.00	0.22	6.00	3.88	6.27	0.000695	2.36	1313.63	341.05	0.36
Valle	2758.369	T=50	1970.00	0.17	5.21	3.28	5.38	0.000559	1.90	1175.03	382.91	0.31
Valle	2758.369	T=100	2420.00	0.17	5.61	3.54	5.82	0.000604	2.11	1336.84	429.40	0.33
Valle	2758.369	T=200	2890.00	0.17	5.99	3.79	6.23	0.000621	2.27	1502.50	432.79	0.34
Valle	2712.407	T=50	1970.00	0.30	5.19	3.36	5.35	0.000557	1.87	1270.90	422.95	0.31
Valle	2712.407	T=100	2420.00	0.30	5.60	3.60	5.78	0.000574	2.04	1443.19	427.72	0.32
Valle	2712.407	T=200	2890.00	0.30	5.98	3.85	6.19	0.000591	2.19	1608.86	433.63	0.33
Valle	2666.457	T=50	1970.00	0.22	5.18	3.28	5.32	0.000497	1.82	1330.84	432.56	0.30
Valle	2666.457	T=100	2420.00	0.22	5.58	3.52	5.75	0.000518	1.99	1507.12	437.76	0.31

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	2666.457	T=200	2890.00	0.22	5.97	3.74	6.16	0.000539	2.15	1676.64	444.58	0.32
Valle	2618.224	T=50	1970.00	0.28	5.10	3.70	5.29	0.000796	2.10	1168.60	425.96	0.37
Valle	2618.224	T=100	2420.00	0.28	5.50	3.93	5.72	0.000792	2.26	1342.82	437.27	0.37
Valle	2618.224	T=200	2890.00	0.28	5.88	4.15	6.13	0.000792	2.41	1511.20	441.86	0.38
Valle	2559.182	T=50	1970.00	0.21	4.87	3.88	5.21	0.001543	2.70	844.49	350.42	0.50
Valle	2559.182	T=100	2420.00	0.21	5.25	4.15	5.64	0.001507	2.90	986.03	392.84	0.50
Valle	2559.182	T=200	2890.00	0.21	5.60	4.41	6.05	0.001547	3.13	1127.36	417.73	0.52
Valle	2509.26	T=50	1970.00	0.29	4.82	3.60	5.13	0.001258	2.56	892.36	358.18	0.46
Valle	2509.26	T=100	2420.00	0.29	5.20	3.87	5.56	0.001280	2.78	1033.57	390.02	0.47
Valle	2509.26	T=200	2890.00	0.29	5.55	4.12	5.96	0.001294	2.98	1175.16	414.10	0.48
Valle	2464.9	T=50	1970.00	0.31	4.74	3.47	5.07	0.001255	2.61	831.80	338.53	0.46
Valle	2464.9	T=100	2420.00	0.31	5.11	3.78	5.50	0.001304	2.85	965.15	370.23	0.48
Valle	2464.9	T=200	2890.00	0.31	5.45	4.05	5.90	0.001326	3.06	1095.16	379.37	0.49
Valle	2420.723	T=50	1970.00	0.22	4.62	3.28	5.01	0.001435	2.78	717.35	223.52	0.49
Valle	2420.723	T=100	2420.00	0.22	4.94	3.60	5.43	0.001601	3.10	792.65	242.54	0.52
Valle	2420.723	T=200	2890.00	0.22	5.23	3.91	5.82	0.001756	3.42	868.95	283.33	0.56
Valle	2377.207	T=50	1970.00	0.24	4.48	3.38	4.93	0.001830	3.00	667.54	230.77	0.55
Valle	2377.207	T=100	2420.00	0.24	4.78	3.71	5.34	0.002018	3.35	737.88	238.31	0.58
Valle	2377.207	T=200	2890.00	0.24	5.02	4.04	5.72	0.002262	3.72	797.57	243.41	0.63
Valle	2333.898	T=50	1970.00	0.25	4.40	3.39	4.85	0.001793	2.99	686.42	243.94	0.54
Valle	2333.898	T=100	2420.00	0.25	4.69	3.70	5.25	0.002004	3.36	759.68	267.47	0.58
Valle	2333.898	T=200	2890.00	0.25	4.93	3.96	5.62	0.002253	3.72	824.45	272.54	0.63
Valle	2284.514	T=50	1970.00	0.05	4.26	3.45	4.75	0.002222	3.13	654.92	281.46	0.60
Valle	2284.514	T=100	2420.00	0.05	4.54	3.75	5.14	0.002412	3.48	739.50	322.91	0.63
Valle	2284.514	T=200	2890.00	0.05	4.75	4.05	5.50	0.002723	3.86	813.61	359.30	0.68
Valle	2235.894	T=50	1970.00	0.23	4.16	3.39	4.63	0.002390	3.09	709.33	400.22	0.61
Valle	2235.894	T=100	2420.00	0.23	4.47	3.73	5.00	0.002383	3.32	834.87	412.18	0.62
Valle	2235.894	T=200	2890.00	0.23	4.71	4.13	5.33	0.002551	3.62	933.20	421.32	0.65
Valle	2187.939	T=50	1970.00	0.12	3.64	3.56	4.43	0.005240	4.02	543.70	354.25	0.87
Valle	2187.939	T=100	2420.00	0.12	3.89	3.89	4.80	0.005615	4.33	635.81	383.37	0.91
Valle	2187.939	T=200	2890.00	0.12	4.20	4.20	5.13	0.005696	4.42	761.40	436.65	0.92
Valle	2140.63	T=50	1970.00	0.26	3.82	3.17	4.14	0.002186	2.70	888.29	458.15	0.57
Valle	2140.63	T=100	2420.00	0.26	4.06	3.38	4.44	0.002366	2.96	998.12	468.70	0.60
Valle	2140.63	T=200	2890.00	0.26	4.29	3.59	4.72	0.002580	3.16	1109.80	487.94	0.63
Valle	2093.893	T=50	1970.00	0.30	3.85	2.68	4.02	0.001214	2.01	1157.71	516.09	0.42
Valle	2093.893	T=100	2420.00	0.30	4.09	2.88	4.30	0.001302	2.23	1284.94	518.58	0.45
Valle	2093.893	T=200	2890.00	0.30	4.33	3.07	4.58	0.001382	2.43	1406.46	520.95	0.47
Valle	2049.274	T=50	1970.00	0.31	3.77	2.62	3.96	0.001300	2.02	1083.78	484.85	0.44
Valle	2049.274	T=100	2420.00	0.31	4.01	2.72	4.24	0.001406	2.25	1198.45	486.87	0.46
Valle	2049.274	T=200	2890.00	0.31	4.23	3.08	4.51	0.001513	2.48	1306.78	491.30	0.49
Valle	2004.493	T=50	1970.00	0.23	3.74	2.57	3.90	0.000971	1.84	1189.90	526.68	0.38
Valle	2004.493	T=100	2420.00	0.23	3.98	2.75	4.17	0.001062	2.05	1314.52	529.89	0.41
Valle	2004.493	T=200	2890.00	0.23	4.20	2.92	4.44	0.001147	2.25	1433.03	532.86	0.43
Valle	1959.467	T=50	1970.00	0.01	3.72	2.38	3.86	0.000714	1.68	1241.28	500.57	0.33
Valle	1959.467	T=100	2420.00	0.01	3.95	2.56	4.12	0.000807	1.89	1358.08	504.88	0.36
Valle	1959.467	T=200	2890.00	0.01	4.17	2.73	4.38	0.000893	2.09	1469.37	508.10	0.38
Valle	1917.843	T=50	1970.00	0.32	3.58	2.80	3.80	0.001610	2.11	957.35	509.49	0.48
Valle	1917.843	T=100	2420.00	0.32	3.79	2.99	4.07	0.001729	2.34	1066.62	514.57	0.50
Valle	1917.843	T=200	2890.00	0.32	3.99	3.17	4.32	0.001834	2.55	1170.27	517.87	0.53
Valle	1878.37	T=50	1970.00	0.20	3.52	2.71	3.74	0.001539	2.08	949.04	475.03	0.47
Valle	1878.37	T=100	2420.00	0.20	3.73	2.89	4.00	0.001687	2.32	1046.85	477.64	0.50
Valle	1878.37	T=200	2890.00	0.20	3.92	3.07	4.25	0.001826	2.54	1138.72	479.07	0.52
Valle	1841.208	T=50	1970.00	0.23	3.53	2.57	3.67	0.001103	1.77	1273.63	729.51	0.40
Valle	1841.208	T=100	2420.00	0.23	3.74	2.74	3.92	0.001186	1.95	1434.67	755.30	0.42
Valle	1841.208	T=200	2890.00	0.23	3.95	2.91	4.15	0.001250	2.12	1593.54	781.23	0.43
Valle	1802.255	T=50	1970.00	0.13	3.54	2.07	3.62	0.000586	1.35	1762.71	879.98	0.29
Valle	1802.255	T=100	2420.00	0.13	3.76	2.27	3.86	0.000628	1.49	1960.32	882.30	0.31
Valle	1802.255	T=200	2890.00	0.13	3.98	2.41	4.09	0.000665	1.63	2149.07	884.51	0.32
Valle	1664.735	T=50	1970.00	0.11	3.48	1.98	3.55	0.000590	1.31	1755.84	835.86	0.29
Valle	1664.735	T=100	2420.00	0.11	3.69	2.15	3.79	0.000653	1.48	1940.21	856.15	0.31
Valle	1664.735	T=200	2890.00	0.11	3.90	2.35	4.01	0.000700	1.62	2119.22	863.27	0.33
Valle	1625.59	T=50	1970.00	0.22	3.43	2.39	3.52	0.000901	1.49	1639.90	944.60	0.35



HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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 # Chi
Valle	1625.59	T=100	2420.00	0.22	3.65	2.53	3.75	0.000935	1.62	1846.32	953.77	0.36
Valle	1625.59	T=200	2890.00	0.22	3.86	2.66	3.98	0.000963	1.74	2046.60	963.41	0.38
Valle	1591.356	T=50	1970.00	0.09	3.37	2.48	3.48	0.001120	1.63	1522.71	1026.18	0.39
Valle	1591.356	T=100	2420.00	0.09	3.59	2.62	3.72	0.001141	1.76	1744.95	1035.76	0.40
Valle	1591.356	T=200	2890.00	0.09	3.80	2.76	3.94	0.001137	1.86	1964.91	1045.96	0.41
Valle	1558.994	T=50	1970.00	0.22	3.33	2.44	3.45	0.001105	1.65	1507.14	1065.17	0.39
Valle	1558.994	T=100	2420.00	0.22	3.55	2.66	3.68	0.001087	1.77	1740.10	1068.12	0.39
Valle	1558.994	T=200	2890.00	0.22	3.76	2.79	3.90	0.001072	1.87	1965.35	1070.96	0.40
Valle	1519.641	T=50	1970.00	0.31	3.31	2.37	3.40	0.000875	1.49	1672.05	1101.69	0.35
Valle	1519.641	T=100	2420.00	0.31	3.53	2.54	3.63	0.000892	1.61	1917.25	1133.23	0.36
Valle	1519.641	T=200	2890.00	0.31	3.74	2.65	3.86	0.000909	1.73	2161.62	1183.39	0.37
Valle	1469.27	T=50	1970.00	0.15	3.27	2.30	3.36	0.000781	1.46	1770.70	1156.04	0.33
Valle	1469.27	T=100	2420.00	0.15	3.49	2.45	3.59	0.000800	1.59	2026.22	1179.95	0.34
Valle	1469.27	T=200	2890.00	0.15	3.70	2.57	3.81	0.000804	1.69	2279.59	1213.63	0.35
Valle	1406.382	T=50	1970.00	0.29	3.21	2.35	3.31	0.000982	1.58	1718.63	1159.00	0.37
Valle	1406.382	T=100	2420.00	0.29	3.43	2.48	3.54	0.000966	1.68	1977.10	1186.52	0.37
Valle	1406.382	T=200	2890.00	0.29	3.64	2.63	3.76	0.000952	1.78	2231.53	1202.56	0.38
Valle	1355.586	T=50	1970.00	0.27	3.17	2.31	3.26	0.000999	1.57	1780.90	1176.27	0.37
Valle	1355.586	T=100	2420.00	0.27	3.39	2.45	3.49	0.000978	1.67	2042.53	1182.55	0.37
Valle	1355.586	T=200	2890.00	0.27	3.60	2.57	3.71	0.000962	1.78	2296.36	1196.44	0.38
Valle	1317.184	T=50	1970.00	0.26	3.13	2.33	3.22	0.000894	1.54	1864.65	1185.30	0.35
Valle	1317.184	T=100	2420.00	0.26	3.36	2.44	3.45	0.000889	1.66	2128.43	1188.79	0.36
Valle	1317.184	T=200	2890.00	0.26	3.57	2.55	3.67	0.000891	1.77	2384.23	1199.63	0.37
Valle	1276.651	T=50	1970.00	0.28	3.11	2.18	3.18	0.000717	1.45	1990.69	1213.37	0.32
Valle	1276.651	T=100	2420.00	0.28	3.33	2.32	3.41	0.000731	1.56	2260.47	1221.87	0.33
Valle	1276.651	T=200	2890.00	0.28	3.54	2.43	3.64	0.000739	1.67	2522.28	1223.73	0.34
Valle	1231.004	T=50	1970.00	0.19	3.08	2.06	3.15	0.000593	1.35	2085.09	1230.73	0.29
Valle	1231.004	T=100	2420.00	0.19	3.30	2.18	3.38	0.000612	1.46	2358.27	1235.60	0.30
Valle	1231.004	T=200	2890.00	0.19	3.52	2.30	3.60	0.000631	1.57	2622.52	1249.48	0.31
Valle	1141.305	T=50	1970.00	0.15	3.04	1.93	3.10	0.000541	1.28	2110.18	1205.91	0.28
Valle	1141.305	T=100	2420.00	0.15	3.26	2.05	3.33	0.000569	1.40	2376.70	1224.35	0.29
Valle	1141.305	T=200	2890.00	0.15	3.47	2.17	3.56	0.000588	1.51	2637.78	1236.82	0.30
Valle	1081.222	T=50	1970.00	0.16	3.02	1.87	3.07	0.000527	1.21	2113.34	1135.60	0.27
Valle	1081.222	T=100	2420.00	0.16	3.23	1.98	3.30	0.000558	1.34	2364.24	1165.73	0.29
Valle	1081.222	T=200	2890.00	0.16	3.44	2.08	3.52	0.000587	1.46	2609.92	1172.71	0.30
Valle	1042.068	T=50	1970.00	0.06	2.99	1.86	3.05	0.000532	1.20	2114.59	1153.60	0.27
Valle	1042.068	T=100	2420.00	0.06	3.21	1.96	3.28	0.000562	1.32	2365.99	1166.00	0.29
Valle	1042.068	T=200	2890.00	0.06	3.42	2.08	3.50	0.000583	1.43	2611.03	1171.80	0.30
Valle	1001.556	T=50	1970.00	0.28	2.98	1.78	3.03	0.000492	1.14	2177.23	1179.61	0.26
Valle	1001.556	T=100	2420.00	0.28	3.19	1.88	3.25	0.000519	1.26	2432.88	1189.03	0.27
Valle	1001.556	T=200	2890.00	0.28	3.40	1.99	3.47	0.000541	1.37	2682.57	1201.38	0.28
Valle	959.7769	T=50	1970.00	0.25	2.95	1.74	3.01	0.000490	1.14	2104.01	1130.81	0.26
Valle	959.7769	T=100	2420.00	0.25	3.17	1.88	3.23	0.000518	1.26	2347.23	1146.17	0.27
Valle	959.7769	T=200	2890.00	0.25	3.37	1.99	3.45	0.000552	1.38	2586.46	1170.25	0.29
Valle	912.7091	T=50	1970.00	0.16	2.92	1.78	2.98	0.000525	1.18	1994.42	1132.30	0.27
Valle	912.7091	T=100	2420.00	0.16	3.13	1.90	3.20	0.000550	1.29	2234.99	1136.59	0.28
Valle	912.7091	T=200	2890.00	0.16	3.33	2.01	3.42	0.000570	1.40	2468.37	1138.85	0.29
Valle	869.4016	T=50	1970.00	0.04	2.90	1.66	2.95	0.000475	1.11	2019.05	1101.85	0.26
Valle	869.4016	T=100	2420.00	0.04	3.11	1.77	3.17	0.000506	1.23	2252.30	1115.19	0.27
Valle	869.4016	T=200	2890.00	0.04	3.31	1.88	3.39	0.000532	1.34	2481.85	1151.94	0.28
Valle	825.697	T=50	1970.00	0.18	2.88	1.54	2.93	0.000365	1.02	2184.74	1175.32	0.23
Valle	825.697	T=100	2420.00	0.18	3.09	1.66	3.15	0.000391	1.13	2432.21	1180.09	0.24
Valle	825.697	T=200	2890.00	0.18	3.29	1.77	3.36	0.000412	1.22	2673.07	1183.38	0.25
Valle	782.1807	T=50	1970.00	0.15	2.85	1.74	2.91	0.000524	1.11	1933.89	1125.32	0.27
Valle	782.1807	T=100	2420.00	0.15	3.06	1.84	3.13	0.000543	1.22	2168.11	1132.08	0.28
Valle	782.1807	T=200	2890.00	0.15	3.26	1.95	3.34	0.000559	1.32	2397.02	1144.14	0.29
Valle	738.702	T=50	1970.00	-0.05	2.84	1.61	2.88	0.000415	1.01	2161.38	1168.89	0.24
Valle	738.702	T=100	2420.00	-0.05	3.04	1.74	3.10	0.000440	1.12	2404.48	1174.90	0.25
Valle	738.702	T=200	2890.00	-0.05	3.25	1.84	3.31	0.000460	1.22	2641.46	1177.96	0.26
Valle	695.2308	T=50	1970.00	0.10	2.81	1.62	2.86	0.000426	1.09	1993.36	1151.95	0.25
Valle	695.2308	T=100	2420.00	0.10	3.01	1.74	3.08	0.000458	1.21	2230.11	1168.90	0.26
Valle	695.2308	T=200	2890.00	0.10	3.21	1.86	3.29	0.000484	1.32	2463.70	1186.64	0.27

HEC-RAS Plan: Sc\_3 River: Posada Reach: Valle (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
Valle	646.2514	T=50	1970.00	0.31	2.72	1.88	2.82	0.000958	1.51	1497.47	923.53	0.36
Valle	646.2514	T=100	2420.00	0.31	2.91	2.01	3.03	0.001013	1.67	1675.49	936.99	0.38
Valle	646.2514	T=200	2890.00	0.31	3.09	2.13	3.24	0.001059	1.81	1850.19	944.85	0.39
Valle	588.6567	T=50	1970.00	0.25	2.65	1.89	2.76	0.001149	1.60	1431.24	931.69	0.39
Valle	588.6567	T=100	2420.00	0.25	2.83	2.02	2.97	0.001204	1.76	1605.35	936.23	0.41
Valle	588.6567	T=200	2890.00	0.25	3.01	2.15	3.17	0.001247	1.90	1776.75	947.96	0.42
Valle	533.2809	T=50	1970.00	0.28	2.58	1.83	2.70	0.001196	1.63	1401.40	928.42	0.40
Valle	533.2809	T=100	2420.00	0.28	2.76	1.97	2.90	0.001259	1.79	1570.70	932.13	0.42
Valle	533.2809	T=200	2890.00	0.28	2.94	2.10	3.10	0.001305	1.94	1737.50	935.69	0.43
Valle	482.8386	T=50	1970.00	0.31	2.50	1.80	2.63	0.001319	1.69	1317.30	845.51	0.42
Valle	482.8386	T=100	2420.00	0.31	2.67	1.93	2.84	0.001427	1.88	1463.07	851.76	0.44
Valle	482.8386	T=200	2890.00	0.31	2.85	2.05	3.04	0.001498	2.05	1608.58	855.44	0.46
Valle	432.3482	T=50	1970.00	0.20	2.41	1.80	2.56	0.001638	1.82	1222.70	819.31	0.46
Valle	432.3482	T=100	2420.00	0.20	2.57	1.93	2.76	0.001766	2.02	1355.26	819.97	0.49
Valle	432.3482	T=200	2890.00	0.20	2.73	2.05	2.95	0.001857	2.20	1487.70	820.62	0.51
Valle	386.4938	T=50	1970.00	0.31	2.29	1.79	2.47	0.002166	2.01	1111.74	800.44	0.53
Valle	386.4938	T=100	2420.00	0.31	2.43	1.93	2.66	0.002368	2.24	1227.75	801.19	0.56
Valle	386.4938	T=200	2890.00	0.31	2.58	2.06	2.85	0.002503	2.44	1346.08	801.95	0.59
Valle	343.2893	T=50	1970.00	0.26	2.12	1.77	2.36	0.003305	2.31	977.04	783.96	0.64
Valle	343.2893	T=100	2420.00	0.26	2.22	1.91	2.53	0.003849	2.62	1058.22	784.69	0.70
Valle	343.2893	T=200	2890.00	0.26	2.33	2.05	2.71	0.004244	2.89	1145.39	785.47	0.74
Valle	300.9984	T=50	1970.00	0.17	2.26	0.95	2.27	0.000165	0.61	5189.33	3475.31	0.15
Valle	300.9984	T=100	2420.00	0.17	2.41	1.01	2.42	0.000184	0.68	5705.65	3486.11	0.16
Valle	300.9984	T=200	2890.00	0.17	2.56	1.07	2.58	0.000195	0.74	6245.77	3491.30	0.17
Valle	258.5858	T=50	1970.00	0.17	2.24	1.00	2.26	0.000184	0.66	5021.99	3460.86	0.16
Valle	258.5858	T=100	2420.00	0.17	2.39	1.10	2.40	0.000203	0.73	5530.96	3479.12	0.17
Valle	258.5858	T=200	2890.00	0.17	2.55	1.17	2.56	0.000217	0.80	6067.62	3505.66	0.18
Valle	216.1262	T=50	1970.00	0.06	2.19	1.07	2.20	0.000252	0.68	4775.23	3409.81	0.18
Valle	216.1262	T=100	2420.00	0.06	2.34	1.14	2.35	0.000276	0.76	5258.00	3420.93	0.19
Valle	216.1262	T=200	2890.00	0.06	2.49	1.19	2.50	0.000290	0.82	5773.23	3437.53	0.20
Valle	173.296	T=50	1970.00	0.29	2.18	1.03	2.19	0.000243	0.71	4851.65	3410.99	0.18
Valle	173.296	T=100	2420.00	0.29	2.32	1.10	2.33	0.000269	0.79	5328.11	3419.17	0.19
Valle	173.296	T=200	2890.00	0.29	2.46	1.16	2.48	0.000284	0.85	5838.78	3422.39	0.20
Valle	133.8239	T=50	1970.00	0.26	2.17	0.96	2.18	0.000233	0.69	4921.76	3449.02	0.18
Valle	133.8239	T=100	2420.00	0.26	2.31	1.04	2.32	0.000260	0.77	5400.22	3457.71	0.19
Valle	133.8239	T=200	2890.00	0.26	2.45	1.11	2.47	0.000276	0.84	5915.20	3472.86	0.20
Valle	93.8667	T=50	1970.00	0.22	2.15	1.01	2.16	0.000354	0.88	4273.06	3502.00	0.22
Valle	93.8667	T=100	2420.00	0.22	2.29	1.09	2.30	0.000398	0.98	4754.76	3536.06	0.23
Valle	93.8667	T=200	2890.00	0.22	2.44	1.16	2.45	0.000404	1.04	5279.54	3555.30	0.24
Valle	49.906	T=50	1970.00	0.21	2.07	1.48	2.13	0.001791	1.86	2134.14	2511.89	0.48
Valle	49.906	T=100	2420.00	0.21	2.20	1.59	2.27	0.001832	1.99	2475.59	2772.62	0.49
Valle	49.906	T=200	2890.00	0.21	2.35	1.68	2.42	0.001757	2.06	2907.18	3077.81	0.49
Valle	4.174107	T=50	1970.00	0.22	1.80	1.68	2.02	0.007000	3.15	1161.90	1927.34	0.92
Valle	4.174107	T=100	2420.00	0.22	1.80	1.77	2.13	0.010563	3.87	1161.90	1927.34	1.13
Valle	4.174107	T=200	2890.00	0.22	1.82	1.82	2.26	0.014038	4.51	1201.96	1994.80	1.30