

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	215733.70	100 YEAR	75100.00	3384.59	3399.79		3401.93	0.00	12.68	7539.99	948.10	0.62
VerdeRiver	VerdeRiver	215733.70	ENCRCH	75100.00	3384.59	3400.35		3403.13	0.00	13.75	6471.12	605.45	0.65
VerdeRiver	VerdeRiver	215402.30	100 YEAR	75100.00	3384.83	3398.69		3400.69	0.00	11.97	7220.49	1009.70	0.63
VerdeRiver	VerdeRiver	215402.30	ENCRCH	75100.00	3384.83	3399.15		3401.69	0.00	12.91	6190.22	588.30	0.67
VerdeRiver	VerdeRiver	215200.50	100 YEAR	75100.00	3384.28	3397.97		3399.80	0.00	11.24	7377.19	1031.13	0.59
VerdeRiver	VerdeRiver	215200.50	ENCRCH	75100.00	3384.28	3398.55		3400.65	0.00	11.65	6539.56	566.74	0.60
VerdeRiver	VerdeRiver	214932.70	100 YEAR	75100.00	3380.82	3397.37		3398.82	0.00	9.84	8216.50	1073.94	0.50
VerdeRiver	VerdeRiver	214932.70	ENCRCH	75100.00	3380.82	3398.15		3399.60	0.00	9.65	7778.96	611.52	0.48
VerdeRiver	VerdeRiver	214756.60	100 YEAR	75100.00	3380.39	3397.10		3398.34	0.00	9.21	8938.75	1090.53	0.47
VerdeRiver	VerdeRiver	214756.60	ENCRCH	75100.00	3380.39	3397.78		3399.16	0.00	9.45	7949.79	642.64	0.47
VerdeRiver	VerdeRiver	214555.90	100 YEAR	75100.00	3380.45	3396.85		3397.91	0.00	8.44	9590.75	1087.41	0.43
VerdeRiver	VerdeRiver	214555.90	ENCRCH	75100.00	3380.45	3397.61		3398.69	0.00	8.34	9002.11	716.44	0.41
VerdeRiver	VerdeRiver	214282.20	100 YEAR	75100.00	3378.74	3396.52		3397.43	0.00	7.79	10283.03	1120.15	0.40
VerdeRiver	VerdeRiver	214282.20	ENCRCH	75100.00	3378.74	3397.33		3398.23	0.00	7.58	9904.19	789.24	0.38
VerdeRiver	VerdeRiver	213816.50	100 YEAR	75100.00	3377.55	3395.62		3396.72	0.00	8.55	9405.26	901.62	0.42
VerdeRiver	VerdeRiver	213816.50	ENCRCH	75100.00	3377.55	3395.53		3397.59	0.00	8.28	9064.81	664.09	0.40
VerdeRiver	VerdeRiver	213550.30	100 YEAR	75100.00	3377.49	3395.02		3396.28	0.00	9.29	9348.83	1100.68	0.44
VerdeRiver	VerdeRiver	213550.30	ENCRCH	75100.00	3377.49	3395.78		3397.14	0.00	9.35	8029.76	553.02	0.43
VerdeRiver	VerdeRiver	213311.60	100 YEAR	75100.00	3377.32	3394.56		3395.90	0.00	9.45	8848.57	1175.80	0.46
VerdeRiver	VerdeRiver	213311.60	ENCRCH	75100.00	3377.32	3395.46		3396.78	0.00	9.22	8148.82	569.85	0.43
VerdeRiver	VerdeRiver	213216.90	100 YEAR	75100.00	3377.44	3394.64		3395.61	0.00	8.02	10078.78	1176.49	0.38
VerdeRiver	VerdeRiver	213216.90	ENCRCH	75100.00	3377.44	3395.57		3396.51	0.00	7.81	9620.47	645.12	0.36
VerdeRiver	VerdeRiver	213018.70	100 YEAR	75100.00	3377.55	3394.28		3395.31	0.00	8.32	9767.95	1196.06	0.41
VerdeRiver	VerdeRiver	213018.70	ENCRCH	75100.00	3377.55	3395.20		3396.23	0.00	8.15	9218.03	662.35	0.38
VerdeRiver	VerdeRiver	212907.70	100 YEAR	75100.00	3377.08	3394.24		3395.09	0.00	7.61	11658.34	1096.29	0.37
VerdeRiver	VerdeRiver	212907.70	ENCRCH	75100.00	3377.08	3395.15		3396.03	0.00	7.56	9937.49	695.40	0.35
VerdeRiver	VerdeRiver	212693.10	100 YEAR	75100.00	3376.35	3394.16		3394.75	0.00	6.47	14584.40	1296.89	0.30
VerdeRiver	VerdeRiver	212693.10	ENCRCH	75100.00	3376.35	3395.08		3395.73	0.00	6.58	12533.70	873.73	0.29
VerdeRiver	VerdeRiver	212373.00	100 YEAR	75100.00	3373.57	3393.74		3394.46	0.00	7.46	14508.70	1231.06	0.33
VerdeRiver	VerdeRiver	212373.00	ENCRCH	75100.00	3373.57	3394.54		3395.42	0.00	7.86	11867.63	825.48	0.34
VerdeRiver	VerdeRiver	212059.60	100 YEAR	75100.00	3373.62	3393.41		3394.14	0.00	7.62	14715.06	1220.92	0.34
VerdeRiver	VerdeRiver	212059.60	ENCRCH	75100.00	3373.62	3394.18		3395.08	0.00	8.06	12005.29	856.63	0.35
VerdeRiver	VerdeRiver	211625.40	100 YEAR	75100.00	3372.19	3393.11		3393.75	0.00	6.88	14683.64	988.52	0.29
VerdeRiver	VerdeRiver	211625.40	ENCRCH	75100.00	3372.19	3393.95		3394.64	0.00	7.01	12946.28	726.24	0.29
VerdeRiver	VerdeRiver	211260.90	100 YEAR	75100.00	3370.37	3392.98		3393.51	0.00	6.34	16062.73	1050.47	0.26
VerdeRiver	VerdeRiver	211260.90	ENCRCH	75100.00	3370.37	3393.80		3394.41	0.00	6.58	13970.18	776.85	0.27

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100-YEAR = Floodplain
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	210937.60	100 YEAR	75100.00	3369.98	3392.85		3393.35	0.00	6.15	16447.52	990.17	0.25
VerdeRiver	VerdeRiver	210937.60	ENCRCH	75100.00	3369.98	3393.66		3394.25	0.00	6.43	14005.25	765.29	0.26
VerdeRiver	VerdeRiver	210682.20	100 YEAR	75100.00	3368.21	3392.74		3393.24	0.00	6.28	17077.45	939.89	0.25
VerdeRiver	VerdeRiver	210682.20	ENCRCH	75100.00	3368.21	3393.56		3394.13	0.00	6.50	15003.77	744.36	0.25
VerdeRiver	VerdeRiver	210461.10	100 YEAR	75100.00	3366.93	3392.47		3393.13	0.00	7.46	15698.33	827.04	0.28
VerdeRiver	VerdeRiver	210461.10	ENCRCH	75100.00	3366.93	3393.34		3394.02	0.00	7.44	14524.35	676.40	0.27
VerdeRiver	VerdeRiver	210220.70	100 YEAR	75100.00	3366.70	3392.13		3392.97	0.00	8.63	13930.19	766.07	0.32
VerdeRiver	VerdeRiver	210220.70	ENCRCH	75100.00	3366.70	3392.97		3393.85	0.00	8.65	13061.50	631.00	0.32
VerdeRiver	VerdeRiver	209708.90	100 YEAR	75100.00	3365.02	3391.26		3392.32	0.00	9.51	11470.09	705.07	0.34
VerdeRiver	VerdeRiver	209708.90	ENCRCH	75100.00	3365.02	3392.06		3393.17	0.00	9.57	10776.77	546.06	0.34
VerdeRiver	VerdeRiver	209381.00	100 YEAR	75100.00	3363.91	3390.53		3391.76	0.00	9.60	10607.37	672.40	0.35
VerdeRiver	VerdeRiver	209381.00	ENCRCH	75100.00	3363.91	3391.40		3392.63	0.00	9.49	10047.57	507.89	0.34
VerdeRiver	VerdeRiver	209280.20	100 YEAR	75100.00	3363.43	3390.32		3391.61	0.00	9.91	11092.58	769.98	0.36
VerdeRiver	VerdeRiver	209280.20	ENCRCH	75100.00	3363.43	3391.08		3392.46	0.00	10.04	10029.31	526.05	0.36
VerdeRiver	VerdeRiver	209160.30	100 YEAR	75100.00	3362.97	3390.18		3391.46	0.00	9.70	9979.20	559.47	0.36
VerdeRiver	VerdeRiver	209160.30	ENCRCH	75100.00	3362.97	3390.97		3392.28	0.00	9.69	9569.27	469.30	0.35
VerdeRiver	VerdeRiver	208988.00	100 YEAR	75100.00	3362.61	3389.27		3391.10	0.00	11.37	7950.97	445.63	0.42
VerdeRiver	VerdeRiver	208988.00	ENCRCH	75100.00	3362.61	3390.01		3391.92	0.00	11.41	7547.28	351.77	0.41
VerdeRiver	VerdeRiver	208688.60	100 YEAR	75100.00	3362.97	3386.69		3390.16	0.00	15.20	5339.15	322.90	0.60
VerdeRiver	VerdeRiver	208688.60	ENCRCH	75100.00	3362.97	3387.56		3390.97	0.00	14.90	5131.59	250.41	0.57
VerdeRiver	VerdeRiver	208309.50	100 YEAR	75100.00	3362.97	3385.71		3389.11	0.00	15.15	5512.26	345.65	0.58
VerdeRiver	VerdeRiver	208309.50	ENCRCH	75100.00	3362.97	3386.53		3389.90	0.00	14.92	5258.19	249.13	0.56
VerdeRiver	VerdeRiver	207958.10	100 YEAR	75100.00	3362.48	3385.63		3387.34	0.00	10.93	8557.58	567.49	0.43
VerdeRiver	VerdeRiver	207958.10	ENCRCH	75100.00	3362.48	3386.41		3388.23	0.00	11.02	7647.20	401.56	0.42
VerdeRiver	VerdeRiver	207669.90	100 YEAR	75100.00	3362.39	3385.38		3386.56	0.00	9.04	9662.36	617.18	0.36
VerdeRiver	VerdeRiver	207669.90	ENCRCH	75100.00	3362.39	3386.15		3387.39	0.00	9.06	8998.31	487.08	0.36
VerdeRiver	VerdeRiver	207146.10	100 YEAR	75100.00	3362.86	3383.63		3385.58	0.00	12.33	8992.93	646.28	0.50
VerdeRiver	VerdeRiver	207146.10	ENCRCH	75100.00	3362.86	3384.39		3386.40	0.00	12.30	8519.83	532.04	0.49
VerdeRiver	VerdeRiver	206771.90	100 YEAR	75100.00	3362.86	3382.50		3384.47	0.01	12.96	8200.03	626.36	0.54
VerdeRiver	VerdeRiver	206771.90	ENCRCH	75100.00	3362.86	3383.31		3385.29	0.01	12.83	8040.32	550.01	0.52
VerdeRiver	VerdeRiver	206302.00	100 YEAR	75100.00	3362.65	3379.29		3381.92	0.01	14.96	7766.66	672.46	0.66
VerdeRiver	VerdeRiver	206302.00	ENCRCH	75100.00	3362.65	3380.18		3382.81	0.01	14.70	7504.21	581.91	0.63
VerdeRiver	VerdeRiver	205955.00	100 YEAR	75100.00	3362.56	3378.77		3379.73	0.00	9.71	11452.61	915.34	0.43
VerdeRiver	VerdeRiver	205955.00	ENCRCH	75100.00	3362.56	3379.66		3380.71	0.00	9.71	10169.33	722.73	0.42
VerdeRiver	VerdeRiver	205669.80	100 YEAR	75100.00	3362.45	3378.41		3379.23	0.00	8.66	12473.83	929.67	0.39

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VerdeRiver	VerdeRiver	205669.80	ENCRCH	75100.00	3362.45	3379.29		3380.21	0.00	8.84	11078.28	749.19	0.39
VerdeRiver	VerdeRiver	205417.70	100 YEAR	75100.00	3362.38	3377.84		3378.86	0.00	9.16	10083.25	782.09	0.42
VerdeRiver	VerdeRiver	205417.70	ENCRCH	75100.00	3362.38	3378.74		3379.85	0.00	9.05	9068.28	585.97	0.40
VerdeRiver	VerdeRiver	205293.10	100 YEAR	75100.00	3362.38	3377.74		3378.59	0.00	7.76	10201.06	775.78	0.36
VerdeRiver	VerdeRiver	205293.10	ENCRCH	75100.00	3362.38	3378.59		3379.65	0.00	7.90	9124.25	564.65	0.36
VerdeRiver	VerdeRiver	205271.60	100 YEAR	75100.00	3354.29	3377.88		3378.42	0.00	6.43	13068.48	783.94	0.24
VerdeRiver	VerdeRiver	205271.60	ENCRCH	75100.00	3354.29	3378.80		3379.41	0.00	6.37	11991.96	566.83	0.24
VerdeRiver	VerdeRiver	205260.00	100 YEAR	75100.00	3353.94	3377.88		3378.41	0.00	6.45	13403.88	725.67	0.24
VerdeRiver	VerdeRiver	205260.00	ENCRCH	75100.00	3353.94	3378.80		3379.40	0.00	6.39	12109.27	548.16	0.23
VerdeRiver	VerdeRiver	205196.20	100 YEAR	75100.00	3354.01	3377.74		3378.34	0.00	6.84	12771.93	795.59	0.25
VerdeRiver	VerdeRiver	205196.20	ENCRCH	75100.00	3354.01	3378.61		3379.31	0.00	6.83	11192.73	515.90	0.25
VerdeRiver	VerdeRiver	204992.70	100 YEAR	75100.00	3352.52	3377.52		3378.24	0.00	7.48	11965.01	730.44	0.28
VerdeRiver	VerdeRiver	204992.70	ENCRCH	75100.00	3352.52	3378.36		3379.20	0.00	7.50	10198.23	466.00	0.28
VerdeRiver	VerdeRiver	204907.80	100 YEAR	75100.00	3352.80	3377.42		3378.18	0.00	7.61	11300.47	662.39	0.28
VerdeRiver	VerdeRiver	204907.80	ENCRCH	75100.00	3352.80	3378.29		3379.15	0.00	7.54	10084.68	454.47	0.28
VerdeRiver	VerdeRiver	204737.10	100 YEAR	75100.00	3352.14	3377.24		3378.09	0.00	8.24	10597.25	612.89	0.30
VerdeRiver	VerdeRiver	204737.10	ENCRCH	75100.00	3352.14	3378.05		3379.05	0.00	7.97	9352.22	422.56	0.29
VerdeRiver	VerdeRiver	204470.30	100 YEAR	75100.00	3351.50	3376.97		3377.89	0.00	8.64	10288.19	589.29	0.33
VerdeRiver	VerdeRiver	204470.30	ENCRCH	75100.00	3351.50	3377.69		3378.84	0.00	8.70	8726.07	408.72	0.33
VerdeRiver	VerdeRiver	204145.50	100 YEAR	75100.00	3351.17	3376.15		3377.57	0.00	10.09	9814.13	607.61	0.37
VerdeRiver	VerdeRiver	204145.50	ENCRCH	75100.00	3351.17	3377.01		3378.51	0.00	10.18	9029.02	465.67	0.37
VerdeRiver	VerdeRiver	203977.90	100 YEAR	75100.00	3351.17	3375.99		3377.33	0.00	9.83	8983.53	548.83	0.36
VerdeRiver	VerdeRiver	203977.90	ENCRCH	75100.00	3351.17	3376.84		3378.25	0.00	9.94	8622.54	417.94	0.36
VerdeRiver	VerdeRiver	203286.40	100 YEAR	75100.00	3348.25	3372.07		3375.40	0.00	16.26	6075.71	447.98	0.61
VerdeRiver	VerdeRiver	203286.40	ENCRCH	75100.00	3348.25	3372.43		3376.20	0.00	16.93	5532.75	343.93	0.63
VerdeRiver	VerdeRiver	202962.70	100 YEAR	75100.00	3348.38	3371.62		3373.84	0.00	13.98	7223.93	474.48	0.53
VerdeRiver	VerdeRiver	202962.70	ENCRCH	75100.00	3348.38	3371.93		3374.39	0.00	14.24	6496.15	365.25	0.53
VerdeRiver	VerdeRiver	202662.90	100 YEAR	75100.00	3347.61	3371.47		3373.03	0.00	11.32	8883.91	625.83	0.42
VerdeRiver	VerdeRiver	202662.90	ENCRCH	75100.00	3347.61	3371.61		3373.54	0.00	12.08	7355.54	424.92	0.45
VerdeRiver	VerdeRiver	202217.80	100 YEAR	75100.00	3342.62	3371.16		3372.11	0.00	9.52	11557.21	786.28	0.34
VerdeRiver	VerdeRiver	202217.80	ENCRCH	75100.00	3342.62	3371.23		3372.43	0.00	10.28	9756.75	569.95	0.36
VerdeRiver	VerdeRiver	201702.80	100 YEAR	75100.00	3342.46	3370.57		3371.65	0.00	9.85	10684.07	646.90	0.34
VerdeRiver	VerdeRiver	201702.80	ENCRCH	75100.00	3342.46	3370.60		3371.89	0.00	10.44	9297.82	515.34	0.36
VerdeRiver	VerdeRiver	201256.80	100 YEAR	75100.00	3342.69	3361.85	3360.56	3368.24	0.01	20.99	3990.91	302.85	0.88
VerdeRiver	VerdeRiver	201256.80	ENCRCH	75100.00	3342.69	3362.56		3368.62	0.01	20.32	3955.59	232.86	0.84

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VerdeRiver	VerdeRiver	200951.40	100 YEAR	75100.00	3342.69	3361.28		3364.18	0.00	14.63	6068.89	445.93	0.62
VerdeRiver	VerdeRiver	200951.40	ENCRCH	75100.00	3342.69	3361.88		3365.06	0.00	14.83	5356.06	311.63	0.61
VerdeRiver	VerdeRiver	200688.90	100 YEAR	75100.00	3341.50	3360.74		3362.96	0.00	12.41	6676.11	450.80	0.52
VerdeRiver	VerdeRiver	200688.90	ENCRCH	75100.00	3341.50	3361.31		3363.67	0.00	12.56	6215.73	351.25	0.52
VerdeRiver	VerdeRiver	200496.20	100 YEAR	75100.00	3340.26	3359.98		3362.48	0.00	12.96	6173.79	425.61	0.55
VerdeRiver	VerdeRiver	200496.20	ENCRCH	75100.00	3340.26	3360.46		3363.15	0.00	13.22	5743.53	324.53	0.55
VerdeRiver	VerdeRiver	200440.00	100 YEAR	75100.00	3339.60	3359.67		3362.30	0.00	13.45	6032.11	535.68	0.57
VerdeRiver	VerdeRiver	200440.00	ENCRCH	75100.00	3339.60	3360.18		3362.97	0.00	13.66	5655.83	326.40	0.57
VerdeRiver	VerdeRiver	200335.90	100 YEAR	75100.00	3337.81	3359.55		3361.86	0.00	12.62	6458.05	580.04	0.52
VerdeRiver	VerdeRiver	200335.90	ENCRCH	75100.00	3337.81	3360.10		3362.42	0.00	12.48	6211.15	344.53	0.50
VerdeRiver	VerdeRiver	200285.60	100 YEAR	75100.00	3336.91	3359.26		3361.73	0.00	13.13	6370.69	565.66	0.53
VerdeRiver	VerdeRiver	200285.60	ENCRCH	75100.00	3336.91	3359.78		3362.29	0.00	13.03	6035.83	333.45	0.52
VerdeRiver	VerdeRiver	200259.20	100 YEAR	75100.00	3336.59	3358.71		3361.59	0.00	14.04	5907.89	447.19	0.58
VerdeRiver	VerdeRiver	200259.20	ENCRCH	75100.00	3336.59	3359.35		3362.17	0.00	13.76	5691.71	316.75	0.56
VerdeRiver	VerdeRiver	200194.50	100 YEAR	75100.00	3335.86	3358.28		3361.40	0.00	14.43	5835.45	618.03	0.60
VerdeRiver	VerdeRiver	200194.50	ENCRCH	75100.00	3335.86	3358.78		3361.99	0.00	14.43	5307.16	290.91	0.59
VerdeRiver	VerdeRiver	200026.40	100 YEAR	75100.00	3335.81	3357.90		3360.88	0.00	14.17	6119.26	741.54	0.58
VerdeRiver	VerdeRiver	200026.40	ENCRCH	75100.00	3335.81	3358.40		3361.45	0.00	14.15	5524.47	325.38	0.57
VerdeRiver	VerdeRiver	199812.50	100 YEAR	75100.00	3335.50	3357.52		3359.92	0.00	12.99	7103.45	713.80	0.52
VerdeRiver	VerdeRiver	199812.50	ENCRCH	75100.00	3335.50	3358.02		3360.49	0.00	12.98	6328.20	386.78	0.52
VerdeRiver	VerdeRiver	199737.40	100 YEAR	75100.00	3335.54	3357.62		3359.22	0.00	11.29	9039.30	726.34	0.45
VerdeRiver	VerdeRiver	199737.40	ENCRCH	75100.00	3335.54	3357.96		3360.15	0.00	12.49	6840.72	422.35	0.49
VerdeRiver	VerdeRiver	199492.70	100 YEAR	75100.00	3335.12	3357.30		3358.79	0.00	10.45	9318.42	661.49	0.42
VerdeRiver	VerdeRiver	199492.70	ENCRCH	75100.00	3335.12	3357.82		3359.46	0.00	10.71	8405.72	500.93	0.42
VerdeRiver	VerdeRiver	199347.50	100 YEAR	75100.00	3332.28	3357.10		3358.56	0.00	10.59	9596.80	660.48	0.40
VerdeRiver	VerdeRiver	199347.50	ENCRCH	75100.00	3332.28	3357.59		3359.23	0.00	10.98	8840.75	493.27	0.41
VerdeRiver	VerdeRiver	199262.40	100 YEAR	75100.00	3332.53	3356.55		3358.39	0.00	11.53	8333.60	701.55	0.45
VerdeRiver	VerdeRiver	199262.40	ENCRCH	75100.00	3332.53	3357.20		3359.08	0.00	11.51	8141.34	449.74	0.44
VerdeRiver	VerdeRiver	199209.10	100 YEAR	75100.00	3332.37	3356.67	3349.53	3358.21	0.00	10.60	7835.73	480.67	0.41
VerdeRiver	VerdeRiver	199209.10	ENCRCH	75100.00	3332.37	3357.41	3349.53	3358.81	0.00	10.13	8192.56	483.74	0.39
VerdeRiver	VerdeRiver	1.9 Tuzigoot Bridge	Bridge										
VerdeRiver	VerdeRiver	199171.00	100 YEAR	75100.00	3332.22	3355.43		3357.59	0.00	12.48	7357.19	452.04	0.50
VerdeRiver	VerdeRiver	199171.00	ENCRCH	75100.00	3332.22	3356.33		3358.27	0.00	11.86	7764.99	455.02	0.46
VerdeRiver	VerdeRiver	199132.70	100 YEAR	75100.00	3332.25	3355.23		3357.46	0.00	12.76	7487.12	707.47	0.51
VerdeRiver	VerdeRiver	199132.70	ENCRCH	75100.00	3332.25	3355.76		3358.06	0.00	12.84	7338.68	422.56	0.50

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	198827.70	100 YEAR	75100.00	3332.38	3351.18		3355.20	0.00	17.12	5397.30	629.03	0.75
VerdeRiver	VerdeRiver	198827.70	ENCRCH	75100.00	3332.38	3351.41		3355.69	0.00	17.40	5048.81	396.33	0.75
VerdeRiver	VerdeRiver	198344.90	100 YEAR	75100.00	3331.81	3349.83		3352.13	0.00	13.96	6787.36	701.94	0.59
VerdeRiver	VerdeRiver	198344.90	ENCRCH	75100.00	3331.81	3349.85		3352.69	0.00	15.14	5925.21	498.77	0.64
VerdeRiver	VerdeRiver	198157.90	100 YEAR	75100.00	3331.81	3347.54	3347.30	3351.23	0.00	17.44	5490.35	678.38	0.80
VerdeRiver	VerdeRiver	198157.90	ENCRCH	75100.00	3331.81	3347.97		3351.82	0.00	17.38	5091.83	474.15	0.78
VerdeRiver	VerdeRiver	198007.60	100 YEAR	75100.00	3331.81	3347.00	3345.54	3350.22	0.00	16.33	5809.74	714.48	0.76
VerdeRiver	VerdeRiver	198007.60	ENCRCH	75100.00	3331.81	3347.57		3350.67	0.00	15.59	5564.12	482.85	0.72
VerdeRiver	VerdeRiver	197896.70	100 YEAR	75100.00	3330.26	3346.89		3348.92	0.00	13.18	7142.98	841.50	0.64
VerdeRiver	VerdeRiver	197896.70	ENCRCH	75100.00	3330.26	3347.47		3349.53	0.00	12.75	6767.03	605.41	0.61
VerdeRiver	VerdeRiver	197762.10	100 YEAR	75100.00	3327.06	3346.88		3348.37	0.00	11.56	8455.87	823.94	0.48
VerdeRiver	VerdeRiver	197762.10	ENCRCH	75100.00	3327.06	3347.48		3349.02	0.00	11.33	7942.36	595.91	0.47
VerdeRiver	VerdeRiver	197600.70	100 YEAR	75100.00	3326.71	3346.58		3348.07	0.00	11.83	8540.74	795.00	0.49
VerdeRiver	VerdeRiver	197600.70	ENCRCH	75100.00	3326.71	3347.18		3348.73	0.00	11.94	8160.51	676.50	0.49
VerdeRiver	VerdeRiver	197124.20	100 YEAR	75100.00	3326.61	3346.18		3347.30	0.00	10.33	9664.62	819.77	0.42
VerdeRiver	VerdeRiver	197124.20	ENCRCH	75100.00	3326.61	3346.73		3347.98	0.00	10.72	9035.24	690.26	0.43
VerdeRiver	VerdeRiver	196627.70	100 YEAR	75100.00	3325.85	3345.69		3346.73	0.00	9.45	10072.88	758.90	0.39
VerdeRiver	VerdeRiver	196627.70	ENCRCH	75100.00	3325.85	3346.24		3347.38	0.00	9.78	9557.21	649.51	0.39
VerdeRiver	VerdeRiver	196449.80	100 YEAR	75100.00	3325.35	3345.71		3346.44	0.00	7.82	11404.35	749.92	0.31
VerdeRiver	VerdeRiver	196449.80	ENCRCH	75100.00	3325.35	3346.27		3347.08	0.00	8.07	10763.40	621.94	0.32
VerdeRiver	VerdeRiver	196359.50	100 YEAR	75100.00	3322.48	3345.53		3346.38	0.00	8.50	10816.41	713.14	0.33
VerdeRiver	VerdeRiver	196359.50	ENCRCH	75100.00	3322.48	3346.06		3347.00	0.00	8.79	10079.07	584.38	0.34
VerdeRiver	VerdeRiver	196207.60	100 YEAR	75100.00	3322.25	3345.20		3346.24	0.00	9.42	9677.83	647.08	0.37
VerdeRiver	VerdeRiver	196207.60	ENCRCH	75100.00	3322.25	3345.69		3346.85	0.00	9.76	9015.94	533.17	0.38
VerdeRiver	VerdeRiver	195784.90	100 YEAR	75100.00	3322.29	3344.66		3345.81	0.00	9.28	8993.82	519.85	0.36
VerdeRiver	VerdeRiver	195784.90	ENCRCH	75100.00	3322.29	3345.05		3346.37	0.00	9.33	8152.41	407.55	0.36
VerdeRiver	VerdeRiver	195713.10	100 YEAR	75100.00	3321.64	3344.78		3345.68	0.00	8.03	10119.56	563.12	0.31
VerdeRiver	VerdeRiver	195713.10	ENCRCH	75100.00	3321.64	3345.19		3346.23	0.00	8.12	9174.18	439.91	0.31
VerdeRiver	VerdeRiver	195577.40	100 YEAR	75100.00	3321.04	3344.52	3334.47	3345.56	0.00	8.72	9545.98	571.10	0.34
VerdeRiver	VerdeRiver	195577.40	ENCRCH	75100.00	3321.04	3344.88	3334.43	3346.09	0.00	8.91	8496.75	413.05	0.34
VerdeRiver	VerdeRiver	195394.10	100 YEAR	75100.00	3320.87	3344.26	3334.70	3345.36	0.00	8.54	9130.12	535.50	0.34
VerdeRiver	VerdeRiver	195394.10	ENCRCH	75100.00	3320.87	3344.70	3334.78	3345.91	0.00	8.42	8530.05	432.39	0.34
VerdeRiver	VerdeRiver	195329.00	100 YEAR	75100.00	3320.82	3343.96	3335.02	3345.22	0.00	9.29	8479.72	496.61	0.38
VerdeRiver	VerdeRiver	195329.00	ENCRCH	75100.00	3320.82	3344.33	3335.09	3345.74	0.00	9.16	7886.45	406.64	0.37
VerdeRiver	VerdeRiver	195216.90	100 YEAR	75100.00	3320.84	3343.62	3334.96	3345.04	0.00	9.78	7943.61	451.25	0.39
VerdeRiver	VerdeRiver	195216.90	ENCRCH	75100.00	3320.84	3344.05	3335.10	3345.56	0.00	9.56	7606.38	390.95	0.38

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HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	194895.30	100 YEAR	75100.00	3320.50	3343.06	3334.67	3344.68	0.00	10.60	7407.15	402.80	0.42
VerdeRiver	VerdeRiver	194895.30	ENCRCH	75100.00	3320.50	3343.47	3334.66	3345.18	0.00	10.25	7156.57	360.78	0.40
VerdeRiver	VerdeRiver	194743.30	100 YEAR	75100.00	3315.83	3337.08	3337.08	3343.09	0.01	23.21	3931.02	317.47	0.98
VerdeRiver	VerdeRiver	194743.30	ENCRCH	75100.00	3315.83	3337.09	3337.09	3343.49	0.01	21.37	3706.20	286.30	0.90
VerdeRiver	VerdeRiver	194591.10	100 YEAR	75100.00	3313.78	3331.93	3331.93	3337.68	0.01	21.50	4172.20	355.03	0.91
VerdeRiver	VerdeRiver	194591.10	ENCRCH	75100.00	3313.78	3331.93	3331.93	3337.68	0.01	21.50	4172.20	355.03	0.91
VerdeRiver	VerdeRiver	194482.10	100 YEAR	75100.00	3314.01	3330.15	3330.15	3333.86	0.01	18.10	5285.52	769.86	0.85
VerdeRiver	VerdeRiver	194482.10	ENCRCH	75100.00	3314.01	3330.69	3330.69	3335.48	0.01	19.56	4477.61	431.45	0.90
VerdeRiver	VerdeRiver	194310.20	100 YEAR	75100.00	3314.18	3329.21	3329.08	3332.28	0.01	15.69	5804.68	961.78	0.79
VerdeRiver	VerdeRiver	194310.20	ENCRCH	75100.00	3314.18	3329.67	3329.30	3333.71	0.01	17.20	4848.88	500.20	0.85
VerdeRiver	VerdeRiver	194146.50	100 YEAR	75100.00	3313.58	3329.01	3328.26	3331.21	0.00	13.29	6935.84	1170.43	0.67
VerdeRiver	VerdeRiver	194146.50	ENCRCH	75100.00	3313.58	3329.60	3328.31	3332.29	0.00	14.09	6015.00	661.67	0.69
VerdeRiver	VerdeRiver	193829.00	100 YEAR	75100.00	3311.96	3328.47		3330.02	0.00	11.52	8577.46	1759.00	0.56
VerdeRiver	VerdeRiver	193829.00	ENCRCH	75100.00	3311.96	3329.15		3330.89	0.00	11.76	7644.00	864.61	0.56
VerdeRiver	VerdeRiver	193519.90	100 YEAR	75100.00	3311.41	3328.34		3329.19	0.00	8.34	11314.99	1878.15	0.41
VerdeRiver	VerdeRiver	193519.90	ENCRCH	75100.00	3311.41	3329.11		3330.00	0.00	8.27	10568.35	1108.16	0.39
VerdeRiver	VerdeRiver	193320.80	100 YEAR	75100.00	3310.60	3328.37		3328.94	0.00	6.72	13651.58	1999.06	0.32
VerdeRiver	VerdeRiver	193320.80	ENCRCH	75100.00	3310.60	3329.15		3329.75	0.00	6.71	12800.88	1240.92	0.31
VerdeRiver	VerdeRiver	193204.90	100 YEAR	75100.00	3310.72	3328.38		3328.83	0.00	5.85	15120.90	2097.12	0.28
VerdeRiver	VerdeRiver	193204.90	ENCRCH	75100.00	3310.72	3329.18		3329.65	0.00	5.83	14271.88	1301.62	0.27
VerdeRiver	VerdeRiver	193044.70	100 YEAR	75100.00	3308.85	3328.35		3328.74	0.00	5.40	16004.29	1967.71	0.25
VerdeRiver	VerdeRiver	193044.70	ENCRCH	75100.00	3308.85	3329.14		3329.56	0.00	5.54	14963.02	1330.83	0.25
VerdeRiver	VerdeRiver	192841.20	100 YEAR	75100.00	3306.84	3328.00		3328.58	0.00	6.58	13047.98	1771.83	0.31
VerdeRiver	VerdeRiver	192841.20	ENCRCH	75100.00	3306.84	3328.82		3329.40	0.00	6.47	12584.48	1197.00	0.30
VerdeRiver	VerdeRiver	192638.50	100 YEAR	75100.00	3306.66	3327.62		3328.32	0.00	7.44	11662.01	1682.44	0.33
VerdeRiver	VerdeRiver	192638.50	ENCRCH	75100.00	3306.66	3328.41		3329.15	0.00	7.45	11141.08	1094.24	0.33
VerdeRiver	VerdeRiver	192228.10	100 YEAR	75100.00	3306.90	3326.23		3327.62	0.00	10.82	9751.87	1658.36	0.48
VerdeRiver	VerdeRiver	192228.10	ENCRCH	75100.00	3306.90	3327.12		3328.50	0.00	10.57	9429.20	995.68	0.46
VerdeRiver	VerdeRiver	191712.20	100 YEAR	75100.00	3306.23	3324.19		3326.19	0.01	13.21	8279.64	1687.18	0.67
VerdeRiver	VerdeRiver	191712.20	ENCRCH	75100.00	3306.23	3324.64		3327.05	0.01	14.06	7644.35	1038.50	0.70
VerdeRiver	VerdeRiver	191221.50	100 YEAR	75100.00	3306.30	3321.89		3323.15	0.01	9.82	9594.77	1887.89	0.53
VerdeRiver	VerdeRiver	191221.50	ENCRCH	75100.00	3306.30	3322.56		3323.86	0.01	9.77	9261.31	1058.80	0.52
VerdeRiver	VerdeRiver	190854.00	100 YEAR	75100.00	3305.06	3320.35		3321.33	0.00	8.83	11161.80	1882.01	0.44
VerdeRiver	VerdeRiver	190854.00	ENCRCH	75100.00	3305.06	3320.87		3322.06	0.00	9.29	9300.89	895.67	0.45
VerdeRiver	VerdeRiver	190456.80	100 YEAR	75100.00	3301.08	3319.48		3320.37	0.00	8.07	12252.88	1876.35	0.40

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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	190456.80	ENCRCH	75100.00	3301.08	3320.04		3321.02	0.00	8.23	10332.68	822.87	0.40
VerdeRiver	VerdeRiver	190196.00	100 YEAR	75100.00	3301.07	3318.73		3319.83	0.00	8.98	10606.43	2080.22	0.45
VerdeRiver	VerdeRiver	190196.00	ENCRCH	75100.00	3301.07	3319.22		3320.46	0.00	9.21	8966.41	729.38	0.46
VerdeRiver	VerdeRiver	190026.70	100 YEAR	75100.00	3301.07	3318.25		3319.30	0.00	8.71	10678.30	2315.33	0.44
VerdeRiver	VerdeRiver	190026.70	ENCRCH	75100.00	3301.07	3318.73		3319.91	0.00	8.96	9159.97	756.27	0.44
VerdeRiver	VerdeRiver	189713.10	100 YEAR	75100.00	3299.76	3317.49		3318.57	0.00	8.85	10783.65	2376.40	0.42
VerdeRiver	VerdeRiver	189713.10	ENCRCH	75100.00	3299.76	3317.95		3319.16	0.00	9.07	9455.74	709.34	0.42
VerdeRiver	VerdeRiver	189400.60	100 YEAR	75100.00	3299.24	3314.45		3317.06	0.01	13.64	6511.55	1965.03	0.67
VerdeRiver	VerdeRiver	189400.60	ENCRCH	75100.00	3299.24	3315.00		3317.66	0.01	13.55	6193.98	512.54	0.66
VerdeRiver	VerdeRiver	188898.00	100 YEAR	75100.00	3299.40	3311.86		3313.77	0.00	11.07	7528.15	1119.58	0.58
VerdeRiver	VerdeRiver	188898.00	ENCRCH	75100.00	3299.40	3312.55		3314.51	0.00	11.02	6953.44	635.23	0.56
VerdeRiver	VerdeRiver	188716.10	100 YEAR	75100.00	3295.38	3311.34		3312.71	0.00	9.29	9205.91	1358.16	0.48
VerdeRiver	VerdeRiver	188716.10	ENCRCH	75100.00	3295.38	3312.03		3313.57	0.00	9.69	7917.28	768.44	0.48
VerdeRiver	VerdeRiver	188425.90	100 YEAR	75100.00	3294.95	3310.91		3311.87	0.00	7.66	10648.57	1499.67	0.39
VerdeRiver	VerdeRiver	188425.90	ENCRCH	75100.00	3294.95	3311.64		3312.70	0.00	7.94	9120.96	816.38	0.40
VerdeRiver	VerdeRiver	188220.20	100 YEAR	75100.00	3294.50	3310.71		3311.50	0.00	6.73	11496.23	1469.78	0.34
VerdeRiver	VerdeRiver	188220.20	ENCRCH	75100.00	3294.50	3311.46		3312.31	0.00	6.96	10186.16	883.95	0.34
VerdeRiver	VerdeRiver	187819.60	100 YEAR	75100.00	3294.50	3310.28		3311.01	0.00	6.83	11724.82	1409.28	0.34
VerdeRiver	VerdeRiver	187819.60	ENCRCH	75100.00	3294.50	3311.03		3311.83	0.00	7.05	10518.40	848.77	0.34
VerdeRiver	VerdeRiver	187395.50	100 YEAR	75100.00	3292.86	3309.89		3310.50	0.00	5.97	12703.39	1542.07	0.28
VerdeRiver	VerdeRiver	187395.50	ENCRCH	75100.00	3292.86	3310.66		3311.31	0.00	6.13	11961.40	983.98	0.28
VerdeRiver	VerdeRiver	187237.80	100 YEAR	75100.00	3291.78	3309.66		3310.14	0.00	5.61	13684.54	1639.93	0.25
VerdeRiver	VerdeRiver	187237.80	ENCRCH	75100.00	3291.78	3310.41		3310.97	0.00	5.76	12575.98	984.06	0.25
VerdeRiver	VerdeRiver	186861.10	100 YEAR	75100.00	3288.14	3307.92		3308.62	0.01	7.69	12365.77	1620.89	0.33
VerdeRiver	VerdeRiver	186861.10	ENCRCH	75100.00	3288.14	3308.68		3309.46	0.01	7.87	11101.34	868.31	0.33
VerdeRiver	VerdeRiver	186227.30	100 YEAR	75100.00	3287.90	3304.50		3305.83	0.00	10.20	10648.22	1570.14	0.50
VerdeRiver	VerdeRiver	186227.30	ENCRCH	75100.00	3287.90	3304.93		3306.54	0.00	10.80	8940.15	875.82	0.52
VerdeRiver	VerdeRiver	185714.80	100 YEAR	75100.00	3287.91	3303.81		3304.40	0.00	6.58	14015.80	1953.00	0.32
VerdeRiver	VerdeRiver	185714.80	ENCRCH	75100.00	3287.91	3304.26		3304.97	0.00	6.95	11770.13	930.21	0.33
VerdeRiver	VerdeRiver	185496.60	100 YEAR	75100.00	3287.26	3303.45		3304.00	0.00	6.24	14000.58	2013.60	0.30
VerdeRiver	VerdeRiver	185496.60	ENCRCH	75100.00	3287.26	3303.87		3304.54	0.00	6.61	11715.05	891.57	0.32
VerdeRiver	VerdeRiver	185207.20	100 YEAR	75100.00	3284.61	3302.87		3303.46	0.00	6.38	13231.82	1927.07	0.30
VerdeRiver	VerdeRiver	185207.20	ENCRCH	75100.00	3284.61	3303.28		3303.98	0.00	6.73	11390.27	796.62	0.31
VerdeRiver	VerdeRiver	184998.10	100 YEAR	75100.00	3283.97	3301.97		3302.85	0.00	7.66	10529.31	1839.06	0.36
VerdeRiver	VerdeRiver	184998.10	ENCRCH	75100.00	3283.97	3302.35		3303.33	0.00	8.10	9738.78	706.90	0.37

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	184780.80	100 YEAR	75100.00	3283.43	3300.31		3301.69	0.01	9.44	8537.26	1841.72	0.44
VerdeRiver	VerdeRiver	184780.80	ENCRCH	75100.00	3283.43	3300.93		3302.25	0.00	9.17	8478.54	645.41	0.42
VerdeRiver	VerdeRiver	184726.00	100 YEAR	75100.00	3282.17	3299.70	3294.61	3301.28	0.00	10.30	7887.79	1137.33	0.48
VerdeRiver	VerdeRiver	184726.00	ENCRCH	75100.00	3282.17	3300.09	3294.61	3301.76	0.00	10.42	7353.36	538.98	0.48
VerdeRiver	VerdeRiver	8.9 10th Street Brid	Bridge										
VerdeRiver	VerdeRiver	184665.60	100 YEAR	75100.00	3282.09	3299.08		3300.87	0.00	10.93	7585.34	1051.21	0.52
VerdeRiver	VerdeRiver	184665.60	ENCRCH	75100.00	3282.09	3299.48		3301.23	0.00	10.72	7176.69	533.97	0.50
VerdeRiver	VerdeRiver	184587.60	100 YEAR	75100.00	3281.67	3299.26		3300.53	0.00	9.71	9416.50	2215.95	0.45
VerdeRiver	VerdeRiver	184587.60	ENCRCH	75100.00	3281.67	3299.55		3301.01	0.00	10.14	8401.93	784.96	0.47
VerdeRiver	VerdeRiver	184392.10	100 YEAR	75100.00	3280.34	3297.93		3299.65	0.00	11.70	8682.78	2274.08	0.54
VerdeRiver	VerdeRiver	184392.10	ENCRCH	75100.00	3280.34	3298.67		3300.33	0.00	11.31	8289.59	836.93	0.51
VerdeRiver	VerdeRiver	183971.00	100 YEAR	75100.00	3280.01	3297.17		3298.10	0.00	9.47	11074.97	2554.36	0.43
VerdeRiver	VerdeRiver	183971.00	ENCRCH	75100.00	3280.01	3297.60		3298.88	0.00	10.41	9060.85	1012.46	0.47
VerdeRiver	VerdeRiver	183580.70	100 YEAR	75100.00	3280.01	3296.14		3296.87	0.00	8.43	11995.54	2461.58	0.38
VerdeRiver	VerdeRiver	183580.70	ENCRCH	75100.00	3280.01	3296.35		3297.42	0.00	9.44	9798.69	1128.98	0.43
VerdeRiver	VerdeRiver	183075.70	100 YEAR	75100.00	3277.63	3294.58		3295.74	0.00	10.62	10553.88	1469.28	0.49
VerdeRiver	VerdeRiver	183075.70	ENCRCH	75100.00	3277.63	3295.21		3296.36	0.00	10.49	10491.89	1255.56	0.48
VerdeRiver	VerdeRiver	182895.60	100 YEAR	75100.00	3277.08	3294.33		3295.19	0.00	9.09	12171.68	1968.43	0.42
VerdeRiver	VerdeRiver	182895.60	ENCRCH	75100.00	3277.08	3294.95		3295.85	0.00	9.08	11406.94	1279.16	0.41
VerdeRiver	VerdeRiver	182680.60	100 YEAR	75100.00	3275.60	3293.95		3294.83	0.00	9.44	12094.63	1775.66	0.43
VerdeRiver	VerdeRiver	182680.60	ENCRCH	75100.00	3275.60	3294.57		3295.50	0.00	9.41	11271.29	1284.15	0.42
VerdeRiver	VerdeRiver	182334.80	100 YEAR	75100.00	3275.21	3293.79		3294.37	0.00	7.20	12763.75	1797.02	0.32
VerdeRiver	VerdeRiver	182334.80	ENCRCH	75100.00	3275.21	3294.38		3295.03	0.00	7.41	11922.02	1346.18	0.33
VerdeRiver	VerdeRiver	182045.00	100 YEAR	75100.00	3275.25	3293.04		3293.63	0.00	6.62	12329.89	1768.95	0.30
VerdeRiver	VerdeRiver	182045.00	ENCRCH	75100.00	3275.25	3293.77		3294.33	0.00	6.11	12534.38	1390.85	0.27
VerdeRiver	VerdeRiver	181636.10	100 YEAR	75100.00	3274.23	3292.53		3293.08	0.00	7.20	14115.30	1664.12	0.33
VerdeRiver	VerdeRiver	181636.10	ENCRCH	75100.00	3274.23	3293.31		3293.86	0.00	6.99	13373.24	1263.93	0.31
VerdeRiver	VerdeRiver	181306.30	100 YEAR	75100.00	3274.42	3292.25		3292.76	0.00	6.36	14272.43	1566.25	0.29
VerdeRiver	VerdeRiver	181306.30	ENCRCH	75100.00	3274.42	3293.04		3293.57	0.00	6.29	13013.69	1153.50	0.28
VerdeRiver	VerdeRiver	180948.10	100 YEAR	75100.00	3271.41	3291.79		3292.40	0.00	6.84	13808.60	1528.74	0.29
VerdeRiver	VerdeRiver	180948.10	ENCRCH	75100.00	3271.41	3292.62		3293.25	0.00	6.76	12406.24	1025.31	0.28
VerdeRiver	VerdeRiver	180398.10	100 YEAR	75100.00	3269.08	3290.11		3291.38	0.00	7.91	10694.04	1420.21	0.34
VerdeRiver	VerdeRiver	180398.10	ENCRCH	75100.00	3269.08	3290.73		3292.24	0.00	7.91	9343.67	879.68	0.33
VerdeRiver	VerdeRiver	180027.50	100 YEAR	75100.00	3269.29	3288.76		3290.02	0.00	10.59	10845.37	1498.05	0.47
VerdeRiver	VerdeRiver	180027.50	ENCRCH	75100.00	3269.29	3289.54		3290.93	0.00	10.40	9406.15	876.32	0.45

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	179752.40	100 YEAR	75100.00	3269.25	3288.38	3283.30	3289.40	0.00	9.16	12326.06	1824.51	0.41
VerdeRiver	VerdeRiver	179752.40	ENCRCH	75100.00	3269.25	3289.24	3283.23	3290.33	0.00	8.99	10957.18	927.75	0.39
VerdeRiver	VerdeRiver	179573.90	100 YEAR	75100.00	3268.68	3287.73	3283.11	3289.05	0.00	10.00	12139.36	2039.37	0.45
VerdeRiver	VerdeRiver	179573.90	ENCRCH	75100.00	3268.68	3288.72	3283.05	3290.03	0.00	9.77	10575.03	943.39	0.43
VerdeRiver	VerdeRiver	179214.80	100 YEAR	75100.00	3266.80	3287.07		3288.38	0.00	10.44	13343.02	2414.50	0.47
VerdeRiver	VerdeRiver	179214.80	ENCRCH	75100.00	3266.80	3288.04		3289.42	0.00	10.43	11702.32	1369.38	0.46
VerdeRiver	VerdeRiver	178723.60	100 YEAR	75100.00	3266.25	3286.15		3286.98	0.00	8.93	14215.08	3030.00	0.43
VerdeRiver	VerdeRiver	178723.60	ENCRCH	75100.00	3266.25	3286.91		3288.14	0.00	10.18	12388.27	1794.54	0.48
VerdeRiver	VerdeRiver	178301.10	100 YEAR	75100.00	3265.89	3285.45	3282.46	3286.08	0.00	8.02	16604.94	2830.77	0.36
VerdeRiver	VerdeRiver	178301.10	ENCRCH	75100.00	3265.89	3286.03	3282.52	3286.97	0.00	9.39	14221.00	1933.47	0.41
VerdeRiver	VerdeRiver	178027.00	100 YEAR	75100.00	3264.93	3285.32		3285.61	0.00	5.13	18889.79	2912.64	0.23
VerdeRiver	VerdeRiver	178027.00	ENCRCH	75100.00	3264.93	3285.95		3286.34	0.00	5.82	16251.53	1956.65	0.26
VerdeRiver	VerdeRiver	177719.30	100 YEAR	75100.00	3263.86	3285.08		3285.35	0.00	4.69	18868.95	2702.20	0.22
VerdeRiver	VerdeRiver	177719.30	ENCRCH	75100.00	3263.86	3285.70		3286.03	0.00	4.89	16529.92	1970.88	0.22
VerdeRiver	VerdeRiver	177479.60	100 YEAR	75100.00	3263.73	3284.95		3285.16	0.00	3.95	20909.27	2758.15	0.19
VerdeRiver	VerdeRiver	177479.60	ENCRCH	75100.00	3263.73	3285.58		3285.83	0.00	4.04	19044.15	2102.50	0.19
VerdeRiver	VerdeRiver	177251.70	100 YEAR	75100.00	3263.11	3284.84		3285.05	0.00	3.89	20702.13	2688.22	0.18
VerdeRiver	VerdeRiver	177251.70	ENCRCH	75100.00	3263.11	3285.50		3285.72	0.00	3.87	20083.11	2155.99	0.18
VerdeRiver	VerdeRiver	177033.70	100 YEAR	75100.00	3263.09	3284.68		3284.95	0.00	4.71	19247.78	2639.90	0.23
VerdeRiver	VerdeRiver	177033.70	ENCRCH	75100.00	3263.09	3285.35		3285.62	0.00	4.60	18717.81	2109.55	0.22
VerdeRiver	VerdeRiver	176656.40	100 YEAR	75100.00	3263.09	3284.48		3284.75	0.00	4.46	18119.56	2524.91	0.22
VerdeRiver	VerdeRiver	176656.40	ENCRCH	75100.00	3263.09	3285.13		3285.42	0.00	4.40	17352.38	1977.12	0.21
VerdeRiver	VerdeRiver	176188.50	100 YEAR	75100.00	3262.54	3284.05		3284.32	0.00	3.53	18391.11	2472.58	0.17
VerdeRiver	VerdeRiver	176188.50	ENCRCH	75100.00	3262.54	3284.67		3284.99	0.00	3.65	17535.94	1886.85	0.17
VerdeRiver	VerdeRiver	175819.80	100 YEAR	75100.00	3262.44	3283.66		3283.91	0.00	3.36	19296.14	2478.74	0.16
VerdeRiver	VerdeRiver	175819.80	ENCRCH	75100.00	3262.44	3284.27		3284.56	0.00	3.51	18287.08	1833.41	0.16
VerdeRiver	VerdeRiver	175431.50	100 YEAR	75100.00	3262.38	3283.09	3274.77	3283.33	0.00	4.26	19285.48	2400.61	0.20
VerdeRiver	VerdeRiver	175431.50	ENCRCH	75100.00	3262.38	3283.70	3274.76	3283.97	0.00	4.33	18158.99	1726.29	0.20
VerdeRiver	VerdeRiver	175114.70	100 YEAR	75100.00	3262.35	3282.52		3282.79	0.00	4.57	19116.10	2446.41	0.21
VerdeRiver	VerdeRiver	175114.70	ENCRCH	75100.00	3262.35	3283.14		3283.44	0.00	4.60	17515.88	1590.86	0.20
VerdeRiver	VerdeRiver	174875.00	100 YEAR	75100.00	3261.73	3282.14		3282.42	0.00	4.68	19083.84	2459.25	0.21
VerdeRiver	VerdeRiver	174875.00	ENCRCH	75100.00	3261.73	3282.77		3283.08	0.00	4.71	17255.45	1551.80	0.21
VerdeRiver	VerdeRiver	174637.40	100 YEAR	75100.00	3261.49	3281.80		3282.06	0.00	4.61	19766.23	2470.25	0.20
VerdeRiver	VerdeRiver	174637.40	ENCRCH	75100.00	3261.49	3282.42		3282.72	0.00	4.70	17522.30	1483.24	0.20
VerdeRiver	VerdeRiver	174339.10	100 YEAR	75100.00	3259.82	3281.39		3281.66	0.00	4.57	19630.00	2346.74	0.20
VerdeRiver	VerdeRiver	174339.10	ENCRCH	75100.00	3259.82	3282.01		3282.31	0.00	4.72	17558.33	1496.54	0.21

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	173999.70	100 YEAR	75100.00	3259.25	3280.98		3281.22	0.00	4.33	20584.88	2367.15	0.19
VerdeRiver	VerdeRiver	173999.70	ENCRCH	75100.00	3259.25	3281.58		3281.86	0.00	4.57	18424.99	1555.69	0.20
VerdeRiver	VerdeRiver	173767.80	100 YEAR	75100.00	3257.80	3280.60		3280.94	0.00	5.51	19054.91	2198.04	0.24
VerdeRiver	VerdeRiver	173767.80	ENCRCH	75100.00	3257.80	3281.18		3281.57	0.00	5.71	17067.03	1396.80	0.24
VerdeRiver	VerdeRiver	173617.90	100 YEAR	75100.00	3256.53	3280.35		3280.79	0.00	6.41	18336.73	2093.85	0.26
VerdeRiver	VerdeRiver	173617.90	ENCRCH	75100.00	3256.53	3280.90		3281.41	0.00	6.65	16272.71	1267.35	0.27
VerdeRiver	VerdeRiver	173222.40	100 YEAR	75100.00	3255.88	3279.87		3280.41	0.00	6.85	16081.18	1706.95	0.28
VerdeRiver	VerdeRiver	173222.40	ENCRCH	75100.00	3255.88	3280.39		3281.02	0.00	7.11	13866.35	1042.29	0.29
VerdeRiver	VerdeRiver	172845.80	100 YEAR	75100.00	3255.50	3279.46		3279.95	0.00	6.28	14261.50	1421.19	0.25
VerdeRiver	VerdeRiver	172845.80	ENCRCH	75100.00	3255.50	3279.96		3280.52	0.00	6.56	12922.78	1058.09	0.26
VerdeRiver	VerdeRiver	172704.30	100 YEAR	75100.00	3254.43	3279.06		3279.69	0.00	7.49	13994.29	1455.32	0.30
VerdeRiver	VerdeRiver	172704.30	ENCRCH	75100.00	3254.43	3279.52		3280.25	0.00	7.82	12568.36	1050.83	0.30
VerdeRiver	VerdeRiver	172590.20	100 YEAR	75100.00	3254.53	3279.03		3279.48	0.00	6.49	15455.37	1504.46	0.25
VerdeRiver	VerdeRiver	172590.20	ENCRCH	75100.00	3254.53	3279.47		3280.03	0.00	6.93	13663.46	1086.35	0.26
VerdeRiver	VerdeRiver	172457.00	100 YEAR	75100.00	3253.52	3278.92		3279.35	0.00	6.21	15866.21	1504.21	0.24
VerdeRiver	VerdeRiver	172457.00	ENCRCH	75100.00	3253.52	3279.35		3279.88	0.00	6.51	14012.61	1054.88	0.25
VerdeRiver	VerdeRiver	172314.10	100 YEAR	75100.00	3253.61	3278.77		3279.16	0.00	5.42	15720.23	1488.64	0.20
VerdeRiver	VerdeRiver	172314.10	ENCRCH	75100.00	3253.61	3279.15		3279.69	0.00	5.71	13872.77	1040.12	0.21
VerdeRiver	VerdeRiver	172083.60	100 YEAR	75100.00	3253.48	3278.43		3278.84	0.00	5.14	15890.57	1507.11	0.19
VerdeRiver	VerdeRiver	172083.60	ENCRCH	75100.00	3253.48	3278.84		3279.35	0.00	5.14	14894.42	1017.50	0.19
VerdeRiver	VerdeRiver	171976.10	100 YEAR	75100.00	3253.34	3278.17		3278.69	0.00	6.14	14871.14	1423.10	0.23
VerdeRiver	VerdeRiver	171976.10	ENCRCH	75100.00	3253.34	3278.73		3279.22	0.00	5.89	15226.17	1004.33	0.22
VerdeRiver	VerdeRiver	171926.90	100 YEAR	75100.00	3252.84	3278.04	3269.86	3278.62	0.00	6.28	14184.58	957.43	0.24
VerdeRiver	VerdeRiver	171926.90	ENCRCH	75100.00	3252.84	3278.62	3269.86	3279.15	0.00	6.00	14737.63	959.92	0.22
VerdeRiver	VerdeRiver	.8 Mingus Avenue Br	Bridge										
VerdeRiver	VerdeRiver	171861.30	100 YEAR	75100.00	3252.59	3277.63		3278.35	0.00	8.47	13543.92	952.55	0.32
VerdeRiver	VerdeRiver	171861.30	ENCRCH	75100.00	3252.59	3278.27		3278.92	0.00	8.09	14149.94	956.15	0.30
VerdeRiver	VerdeRiver	171809.20	100 YEAR	75100.00	3252.54	3277.62		3278.15	0.00	7.11	13907.22	1607.57	0.27
VerdeRiver	VerdeRiver	171809.20	ENCRCH	75100.00	3252.54	3278.25		3278.74	0.00	6.78	14380.64	943.52	0.26
VerdeRiver	VerdeRiver	171477.80	100 YEAR	75100.00	3251.89	3276.93		3277.46	0.00	7.38	14278.68	1341.22	0.29
VerdeRiver	VerdeRiver	171477.80	ENCRCH	75100.00	3251.89	3277.50		3278.05	0.00	7.59	13822.01	917.99	0.30
VerdeRiver	VerdeRiver	171139.90	100 YEAR	75100.00	3251.16	3276.54		3276.99	0.00	4.29	16456.32	1781.31	0.16
VerdeRiver	VerdeRiver	171139.90	ENCRCH	75100.00	3251.16	3277.08		3277.58	0.00	4.44	15283.27	1006.08	0.17
VerdeRiver	VerdeRiver	170700.40	100 YEAR	75100.00	3250.77	3275.82		3276.50	0.00	7.58	13589.73	1627.08	0.29
VerdeRiver	VerdeRiver	170700.40	ENCRCH	75100.00	3250.77	3276.37		3277.09	0.00	7.65	12669.10	1038.32	0.29

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	170282.70	100 YEAR	75100.00	3250.98	3275.54		3276.03	0.00	4.83	15654.77	1588.44	0.18
VerdeRiver	VerdeRiver	170282.70	ENCRCH	75100.00	3250.98	3276.03		3276.62	0.00	5.04	14473.80	1207.78	0.19
VerdeRiver	VerdeRiver	170025.80	100 YEAR	75100.00	3250.62	3275.35		3275.83	0.00	5.01	15328.14	1566.74	0.19
VerdeRiver	VerdeRiver	170025.80	ENCRCH	75100.00	3250.62	3275.83		3276.41	0.00	5.23	14259.93	1202.07	0.19
VerdeRiver	VerdeRiver	169724.40	100 YEAR	75100.00	3250.62	3275.08		3275.54	0.00	6.77	14796.77	1813.89	0.27
VerdeRiver	VerdeRiver	169724.40	ENCRCH	75100.00	3250.62	3275.56		3276.10	0.00	7.06	13433.14	1171.18	0.27
VerdeRiver	VerdeRiver	169497.80	100 YEAR	75100.00	3250.62	3274.63		3275.19	0.00	7.68	14361.02	1698.49	0.29
VerdeRiver	VerdeRiver	169497.80	ENCRCH	75100.00	3250.62	3274.97		3275.71	0.00	8.20	12060.18	1118.27	0.31
VerdeRiver	VerdeRiver	169364.70	100 YEAR	75100.00	3250.62	3274.39		3274.94	0.00	7.30	14228.07	1666.47	0.28
VerdeRiver	VerdeRiver	169364.70	ENCRCH	75100.00	3250.62	3274.69		3275.43	0.00	7.84	12008.49	1089.74	0.30
VerdeRiver	VerdeRiver	169012.70	100 YEAR	75100.00	3250.62	3273.60		3274.36	0.00	8.64	13053.36	1677.85	0.34
VerdeRiver	VerdeRiver	169012.70	ENCRCH	75100.00	3250.62	3273.86		3274.79	0.00	9.22	11260.04	1053.75	0.36
VerdeRiver	VerdeRiver	168514.20	100 YEAR	75100.00	3250.33	3273.20		3273.78	0.00	7.48	14930.75	1769.50	0.29
VerdeRiver	VerdeRiver	168514.20	ENCRCH	75100.00	3250.33	3273.53		3274.15	0.00	7.42	13427.91	1179.51	0.28
VerdeRiver	VerdeRiver	167965.50	100 YEAR	75100.00	3246.48	3273.16		3273.42	0.00	4.56	19083.61	1753.65	0.18
VerdeRiver	VerdeRiver	167965.50	ENCRCH	75100.00	3246.48	3273.47		3273.78	0.00	4.80	16766.45	1236.66	0.18
VerdeRiver	VerdeRiver	167586.10	100 YEAR	75100.00	3245.78	3273.04		3273.27	0.00	4.33	21020.30	1841.65	0.17
VerdeRiver	VerdeRiver	167586.10	ENCRCH	75100.00	3245.78	3273.33		3273.61	0.00	4.58	18183.44	1393.68	0.17
VerdeRiver	VerdeRiver	167135.40	100 YEAR	75100.00	3245.28	3272.97		3273.11	0.00	3.17	25885.69	2155.82	0.12
VerdeRiver	VerdeRiver	167135.40	ENCRCH	75100.00	3245.28	3273.23		3273.44	0.00	3.31	20603.63	1363.92	0.12
VerdeRiver	VerdeRiver	166993.90	100 YEAR	75100.00	3244.79	3272.95		3273.08	0.00	3.07	27233.91	2200.88	0.12
VerdeRiver	VerdeRiver	166993.90	ENCRCH	75100.00	3244.79	3273.22		3273.40	0.00	3.30	21784.84	1404.50	0.12
VerdeRiver	VerdeRiver	166910.00	100 YEAR	75100.00	3244.44	3272.92		3273.07	0.00	2.40	25419.95	2064.87	0.09
VerdeRiver	VerdeRiver	166910.00	ENCRCH	75100.00	3244.44	3273.18		3273.39	0.00	2.47	21583.72	1390.05	0.09
VerdeRiver	VerdeRiver	166769.30	100 YEAR	75100.00	3244.03	3272.89		3273.05	0.00	2.33	23818.64	2020.29	0.08
VerdeRiver	VerdeRiver	166769.30	ENCRCH	75100.00	3244.03	3273.12		3273.37	0.00	2.41	20288.12	1316.18	0.09
VerdeRiver	VerdeRiver	166551.40	100 YEAR	75100.00	3243.54	3272.82		3273.00	0.00	2.54	22439.73	1857.90	0.09
VerdeRiver	VerdeRiver	166551.40	ENCRCH	75100.00	3243.54	3273.05		3273.31	0.00	2.53	19108.17	1262.54	0.09
VerdeRiver	VerdeRiver	166254.00	100 YEAR	75100.00	3243.50	3272.80		3272.96	0.00	3.35	23970.34	1928.23	0.11
VerdeRiver	VerdeRiver	166254.00	ENCRCH	75100.00	3243.50	3273.05		3273.26	0.00	3.28	20684.69	1299.50	0.11
VerdeRiver	VerdeRiver	166090.30	100 YEAR	75100.00	3243.00	3272.72		3272.92	0.00	3.26	21481.19	1797.65	0.11
VerdeRiver	VerdeRiver	166090.30	ENCRCH	75100.00	3243.00	3272.94		3273.21	0.00	3.28	18461.97	1179.66	0.11
VerdeRiver	VerdeRiver	165688.10	100 YEAR	75100.00	3243.27	3272.56		3272.78	0.00	3.50	20604.35	1694.22	0.12
VerdeRiver	VerdeRiver	165688.10	ENCRCH	75100.00	3243.27	3272.75		3273.05	0.00	3.44	17506.66	1049.17	0.12
VerdeRiver	VerdeRiver	165304.90	100 YEAR	75100.00	3243.09	3272.44		3272.69	0.00	2.70	20006.67	1545.74	0.09

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	165304.90	ENCRCH	75100.00	3243.09	3272.57		3272.94	0.00	2.73	16930.48	983.02	0.10
VerdeRiver	VerdeRiver	165072.90	100 YEAR	75100.00	3242.13	3272.25		3272.60	0.00	4.78	16508.55	1556.76	0.17
VerdeRiver	VerdeRiver	165072.90	ENCRCH	75100.00	3242.13	3272.45		3272.84	0.00	4.93	15324.46	839.95	0.17
VerdeRiver	VerdeRiver	164876.10	100 YEAR	75100.00	3241.46	3272.03		3272.50	0.00	3.84	14865.18	1585.89	0.13
VerdeRiver	VerdeRiver	164876.10	ENCRCH	75100.00	3241.46	3272.29		3272.76	0.00	3.78	14905.00	767.54	0.13
VerdeRiver	VerdeRiver	164596.60	100 YEAR	75100.00	3240.36	3271.88		3272.32	0.00	3.72	15642.35	1642.37	0.13
VerdeRiver	VerdeRiver	164596.60	ENCRCH	75100.00	3240.36	3272.01		3272.56	0.00	3.74	14244.37	730.51	0.13
VerdeRiver	VerdeRiver	164284.50	100 YEAR	75100.00	3240.27	3271.47		3272.09	0.00	3.93	14189.64	1612.06	0.14
VerdeRiver	VerdeRiver	164284.50	ENCRCH	75100.00	3240.27	3271.66		3272.32	0.00	3.94	13362.23	668.34	0.14
VerdeRiver	VerdeRiver	164104.80	100 YEAR	75100.00	3240.13	3271.12		3271.94	0.00	4.83	12347.95	1692.27	0.17
VerdeRiver	VerdeRiver	164104.80	ENCRCH	75100.00	3240.13	3271.19		3272.15	0.00	5.30	11053.75	555.82	0.19
VerdeRiver	VerdeRiver	164013.50	100 YEAR	75100.00	3239.88	3270.63		3271.80	0.00	5.57	10047.59	1645.18	0.20
VerdeRiver	VerdeRiver	164013.50	ENCRCH	75100.00	3239.88	3270.70		3272.00	0.00	5.61	9627.75	491.44	0.20
VerdeRiver	VerdeRiver	163963.80	100 YEAR	75100.00	3239.76	3270.32	3258.90	3271.68	0.00	6.06	9348.58	1388.22	0.22
VerdeRiver	VerdeRiver	163963.80	ENCRCH	75100.00	3239.76	3270.32	3258.77	3271.86	0.00	5.97	9097.04	429.40	0.21
VerdeRiver	VerdeRiver	3.8 SR-89A Bridge	Bridge										
VerdeRiver	VerdeRiver	163863.10	100 YEAR	75100.00	3239.72	3268.35		3269.76	0.00	10.90	8782.17	990.08	0.39
VerdeRiver	VerdeRiver	163863.10	ENCRCH	75100.00	3239.72	3269.24		3270.54	0.00	10.46	9008.88	428.46	0.36
VerdeRiver	VerdeRiver	163761.90	100 YEAR	75100.00	3239.68	3268.14		3269.14	0.00	8.87	10054.03	1349.65	0.33
VerdeRiver	VerdeRiver	163761.90	ENCRCH	75100.00	3239.68	3269.05		3270.01	0.00	8.58	10065.67	535.36	0.31
VerdeRiver	VerdeRiver	163517.70	100 YEAR	79640.00	3238.69	3267.89		3268.37	0.00	6.00	14767.91	1405.57	0.21
VerdeRiver	VerdeRiver	163517.70	ENCRCH	79640.00	3238.69	3268.76		3269.26	0.00	6.37	14312.12	832.63	0.22
VerdeRiver	VerdeRiver	163153.70	100 YEAR	79640.00	3239.18	3267.33		3267.89	0.00	7.67	15328.58	1557.19	0.27
VerdeRiver	VerdeRiver	163153.70	ENCRCH	79640.00	3239.18	3268.09		3268.73	0.00	7.96	13617.05	823.30	0.28
VerdeRiver	VerdeRiver	162862.30	100 YEAR	79640.00	3239.20	3266.93	3258.08	3267.49	0.00	7.31	16646.03	1771.99	0.27
VerdeRiver	VerdeRiver	162862.30	ENCRCH	79640.00	3239.20	3267.47	3258.06	3268.24	0.00	8.25	13675.96	827.81	0.30
VerdeRiver	VerdeRiver	162612.40	100 YEAR	79640.00	3239.14	3266.67	3257.48	3266.99	0.00	5.38	20999.17	2899.19	0.20
VerdeRiver	VerdeRiver	162612.40	ENCRCH	79640.00	3239.14	3267.08	3257.48	3267.61	0.00	6.69	14592.09	908.73	0.25
VerdeRiver	VerdeRiver	162461.40	100 YEAR	79640.00	3239.14	3266.14		3266.64	0.00	4.40	18177.98	2796.75	0.17
VerdeRiver	VerdeRiver	162461.40	ENCRCH	79640.00	3239.14	3266.49		3267.21	0.00	4.68	13353.94	890.20	0.18
VerdeRiver	VerdeRiver	162127.60	100 YEAR	79640.00	3239.17	3265.14		3265.98	0.00	8.78	14518.07	2647.23	0.33
VerdeRiver	VerdeRiver	162127.60	ENCRCH	79640.00	3239.17	3265.37		3266.44	0.00	9.50	11009.34	852.72	0.35
VerdeRiver	VerdeRiver	161836.40	100 YEAR	79640.00	3238.88	3263.58		3264.74	0.00	9.52	12793.03	2402.02	0.38
VerdeRiver	VerdeRiver	161836.40	ENCRCH	79640.00	3238.88	3263.82		3265.11	0.00	9.78	9812.07	722.73	0.39
VerdeRiver	VerdeRiver	161522.10	100 YEAR	79640.00	3239.05	3260.97	3257.13	3263.05	0.01	12.96	10007.03	1894.44	0.53

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HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	161522.10	ENCRCH	79640.00	3239.05	3261.62		3263.56	0.00	12.44	8988.03	797.76	0.50
VerdeRiver	VerdeRiver	161224.50	100 YEAR	79640.00	3239.04	3260.30		3261.42	0.00	9.44	10986.07	2051.70	0.41
VerdeRiver	VerdeRiver	161224.50	ENCRCH	79640.00	3239.04	3260.98		3262.24	0.00	8.98	9395.19	848.86	0.39
VerdeRiver	VerdeRiver	160908.30	100 YEAR	79640.00	3238.53	3260.04		3260.64	0.00	6.47	13989.46	2307.04	0.28
VerdeRiver	VerdeRiver	160908.30	ENCRCH	79640.00	3238.53	3260.74		3261.50	0.00	6.61	12101.70	931.44	0.28
VerdeRiver	VerdeRiver	160459.30	100 YEAR	79640.00	3237.37	3259.57		3260.01	0.00	6.38	17114.09	2488.67	0.26
VerdeRiver	VerdeRiver	160459.30	ENCRCH	79640.00	3237.37	3260.31		3260.86	0.00	6.52	13846.72	1100.92	0.26
VerdeRiver	VerdeRiver	159973.60	100 YEAR	79640.00	3236.56	3257.70		3259.04	0.00	10.54	11600.91	1794.48	0.46
VerdeRiver	VerdeRiver	159973.60	ENCRCH	79640.00	3236.56	3258.34		3259.87	0.00	10.89	9890.20	1012.30	0.46
VerdeRiver	VerdeRiver	159397.70	100 YEAR	79640.00	3236.19	3257.10		3257.77	0.00	7.13	13269.30	1969.44	0.30
VerdeRiver	VerdeRiver	159397.70	ENCRCH	79640.00	3236.19	3257.71		3258.54	0.00	7.02	10907.85	1112.48	0.29
VerdeRiver	VerdeRiver	158907.70	100 YEAR	79640.00	3235.43	3256.44		3256.96	0.00	5.86	15132.57	2255.69	0.25
VerdeRiver	VerdeRiver	158907.70	ENCRCH	79640.00	3235.43	3257.02		3257.67	0.00	6.01	12415.90	1293.86	0.26
VerdeRiver	VerdeRiver	158626.40	100 YEAR	79640.00	3235.18	3255.98		3256.45	0.00	6.41	15933.93	2318.66	0.27
VerdeRiver	VerdeRiver	158626.40	ENCRCH	79640.00	3235.18	3256.59		3257.14	0.00	6.48	13668.98	1331.26	0.27
VerdeRiver	VerdeRiver	158282.90	100 YEAR	79640.00	3235.42	3255.54		3255.91	0.00	5.37	17575.56	2313.38	0.23
VerdeRiver	VerdeRiver	158282.90	ENCRCH	79640.00	3235.42	3256.19		3256.63	0.00	5.26	15596.98	1370.15	0.22
VerdeRiver	VerdeRiver	158099.40	100 YEAR	79640.00	3235.23	3255.39		3255.75	0.00	4.86	17800.04	2356.02	0.21
VerdeRiver	VerdeRiver	158099.40	ENCRCH	79640.00	3235.23	3256.05		3256.48	0.00	4.75	15618.92	1336.95	0.20
VerdeRiver	VerdeRiver	157813.60	100 YEAR	79640.00	3233.93	3255.17		3255.43	0.00	4.24	20679.86	2406.67	0.18
VerdeRiver	VerdeRiver	157813.60	ENCRCH	79640.00	3233.93	3255.85		3256.19	0.00	4.24	17411.46	1359.04	0.17
VerdeRiver	VerdeRiver	157544.10	100 YEAR	79640.00	3232.51	3254.99		3255.24	0.00	4.03	21409.35	2381.95	0.16
VerdeRiver	VerdeRiver	157544.10	ENCRCH	79640.00	3232.51	3255.65		3256.01	0.00	4.11	17655.78	1416.65	0.17
VerdeRiver	VerdeRiver	157273.60	100 YEAR	79640.00	3232.14	3254.83		3255.06	0.00	4.84	23149.36	2494.52	0.20
VerdeRiver	VerdeRiver	157273.60	ENCRCH	79640.00	3232.14	3255.50		3255.82	0.00	5.07	18378.83	1405.18	0.21
VerdeRiver	VerdeRiver	156869.90	100 YEAR	79640.00	3232.15	3254.62		3254.78	0.00	3.57	26216.16	2293.81	0.14
VerdeRiver	VerdeRiver	156869.90	ENCRCH	79640.00	3232.15	3255.30		3255.52	0.00	3.78	21886.50	1507.12	0.15
VerdeRiver	VerdeRiver	156552.20	100 YEAR	79640.00	3231.94	3254.36		3254.61	0.00	5.12	23648.94	2088.56	0.20
VerdeRiver	VerdeRiver	156552.20	ENCRCH	79640.00	3231.94	3255.13		3255.37	0.00	4.89	23256.55	1602.66	0.19
VerdeRiver	VerdeRiver	156163.30	100 YEAR	79640.00	3229.10	3254.23		3254.46	0.00	4.34	23528.57	1833.65	0.17
VerdeRiver	VerdeRiver	156163.30	ENCRCH	79640.00	3229.10	3255.02		3255.24	0.00	4.14	23480.40	1448.48	0.16
VerdeRiver	VerdeRiver	155788.90	100 YEAR	79640.00	3228.52	3254.15		3254.31	0.00	4.15	27787.02	2089.38	0.16
VerdeRiver	VerdeRiver	155788.90	ENCRCH	79640.00	3228.52	3254.93		3255.12	0.00	4.21	24832.23	1492.12	0.16
VerdeRiver	VerdeRiver	155408.30	100 YEAR	79640.00	3228.28	3253.98		3254.13	0.00	4.18	28895.74	2091.78	0.15
VerdeRiver	VerdeRiver	155408.30	ENCRCH	79640.00	3228.28	3254.76		3254.93	0.00	4.24	25972.62	1479.51	0.15

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FLOODWAY AND FLOODPLAIN**

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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	155086.40	100 YEAR	79640.00	3227.41	3253.75		3253.95	0.00	4.78	27300.24	1838.47	0.18
VerdeRiver	VerdeRiver	155086.40	ENCRCH	79640.00	3227.41	3254.56		3254.76	0.00	4.76	26101.95	1486.64	0.17
VerdeRiver	VerdeRiver	154699.90	100 YEAR	79640.00	3226.04	3253.53		3253.79	0.00	5.12	21679.11	1318.13	0.19
VerdeRiver	VerdeRiver	154699.90	ENCRCH	79640.00	3226.04	3254.29		3254.59	0.00	5.20	19586.98	995.75	0.19
VerdeRiver	VerdeRiver	154379.40	100 YEAR	79640.00	3225.43	3253.40		3253.70	0.00	5.76	19098.76	1158.25	0.20
VerdeRiver	VerdeRiver	154379.40	ENCRCH	79640.00	3225.43	3254.19		3254.51	0.00	5.02	17617.68	858.24	0.17
VerdeRiver	VerdeRiver	154042.90	100 YEAR	79640.00	3225.14	3253.18		3253.57	0.00	6.85	17525.46	1136.67	0.23
VerdeRiver	VerdeRiver	154042.90	ENCRCH	79640.00	3225.14	3253.88		3254.37	0.00	7.12	15006.38	752.11	0.24
VerdeRiver	VerdeRiver	153751.30	100 YEAR	79640.00	3225.14	3252.81		3253.27	0.00	6.90	16961.68	1110.33	0.24
VerdeRiver	VerdeRiver	153751.30	ENCRCH	79640.00	3225.14	3253.55		3254.06	0.00	6.93	14975.39	744.29	0.24
VerdeRiver	VerdeRiver	153501.20	100 YEAR	79640.00	3224.84	3252.50		3252.97	0.00	6.80	15655.83	1124.49	0.24
VerdeRiver	VerdeRiver	153501.20	ENCRCH	79640.00	3224.84	3253.21		3253.76	0.00	6.91	14104.33	745.51	0.24
VerdeRiver	VerdeRiver	153121.40	100 YEAR	79640.00	3222.29	3251.84		3252.43	0.00	7.27	16188.16	1144.65	0.25
VerdeRiver	VerdeRiver	153121.40	ENCRCH	79640.00	3222.29	3252.59		3253.23	0.00	7.37	14978.29	849.61	0.25
VerdeRiver	VerdeRiver	153008.00	100 YEAR	79640.00	3222.21	3251.77		3252.21	0.00	6.11	17260.57	1194.10	0.21
VerdeRiver	VerdeRiver	153008.00	ENCRCH	79640.00	3222.21	3252.53		3253.00	0.00	6.20	16243.92	912.83	0.21
VerdeRiver	VerdeRiver	152780.70	100 YEAR	79640.00	3221.69	3251.43		3251.86	0.00	6.19	17480.73	1144.78	0.21
VerdeRiver	VerdeRiver	152780.70	ENCRCH	79640.00	3221.69	3252.20		3252.66	0.00	6.28	16382.12	875.41	0.21
VerdeRiver	VerdeRiver	152401.70	100 YEAR	79640.00	3220.37	3251.10		3251.39	0.00	4.80	19360.44	1181.18	0.17
VerdeRiver	VerdeRiver	152401.70	ENCRCH	79640.00	3220.37	3251.88		3252.19	0.00	4.87	18644.22	954.69	0.17
VerdeRiver	VerdeRiver	152083.80	100 YEAR	79640.00	3220.50	3250.82		3251.14	0.00	5.46	18759.68	1092.46	0.19
VerdeRiver	VerdeRiver	152083.80	ENCRCH	79640.00	3220.50	3251.60		3251.94	0.00	5.52	18171.20	886.33	0.19
VerdeRiver	VerdeRiver	151853.00	100 YEAR	79640.00	3220.35	3250.53		3250.90	0.00	5.62	16697.18	1062.23	0.19
VerdeRiver	VerdeRiver	151853.00	ENCRCH	79640.00	3220.35	3251.30		3251.71	0.00	5.70	15904.70	800.38	0.19
VerdeRiver	VerdeRiver	151621.70	100 YEAR	79640.00	3220.32	3250.20		3250.64	0.00	6.21	15355.26	1050.56	0.21
VerdeRiver	VerdeRiver	151621.70	ENCRCH	79640.00	3220.32	3250.95		3251.44	0.00	6.29	14448.74	798.19	0.21
VerdeRiver	VerdeRiver	151537.50	100 YEAR	79640.00	3220.27	3250.09		3250.56	0.00	6.65	15334.06	1085.79	0.22
VerdeRiver	VerdeRiver	151537.50	ENCRCH	79640.00	3220.27	3250.88		3251.36	0.00	6.25	14538.29	801.67	0.21
VerdeRiver	VerdeRiver	151375.50	100 YEAR	79640.00	3220.23	3249.92		3250.41	0.00	5.99	14312.53	1083.98	0.21
VerdeRiver	VerdeRiver	151375.50	ENCRCH	79640.00	3220.23	3250.69		3251.21	0.00	5.85	13804.03	787.05	0.20
VerdeRiver	VerdeRiver	151189.10	100 YEAR	79640.00	3220.21	3249.46		3250.12	0.00	8.07	12725.65	991.76	0.28
VerdeRiver	VerdeRiver	151189.10	ENCRCH	79640.00	3220.21	3250.30		3250.94	0.00	7.14	12492.21	757.65	0.24
VerdeRiver	VerdeRiver	151046.80	100 YEAR	79640.00	3220.10	3249.33		3249.98	0.00	7.65	12712.53	942.34	0.26
VerdeRiver	VerdeRiver	151046.80	ENCRCH	79640.00	3220.10	3250.17		3250.80	0.00	7.13	12625.29	738.98	0.24
VerdeRiver	VerdeRiver	150952.80	100 YEAR	79640.00	3220.11	3248.83		3249.82	0.00	10.17	12049.57	917.68	0.34
VerdeRiver	VerdeRiver	150952.80	ENCRCH	79640.00	3220.11	3249.71		3250.66	0.00	9.78	11752.76	728.48	0.33

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	150789.70	100 YEAR	79640.00	3219.69	3248.82		3249.58	0.00	7.51	11511.11	867.04	0.26
VerdeRiver	VerdeRiver	150789.70	ENCRCH	79640.00	3219.69	3249.70		3250.44	0.00	6.96	11579.93	710.05	0.24
VerdeRiver	VerdeRiver	150684.30	100 YEAR	79640.00	3219.51	3248.68		3249.43	0.00	7.34	11535.60	850.58	0.25
VerdeRiver	VerdeRiver	150684.30	ENCRCH	79640.00	3219.51	3249.56		3250.30	0.00	6.84	11540.74	687.36	0.23
VerdeRiver	VerdeRiver	150516.10	100 YEAR	79640.00	3218.83	3248.46		3249.18	0.00	6.61	11807.96	861.01	0.23
VerdeRiver	VerdeRiver	150516.10	ENCRCH	79640.00	3218.83	3249.34		3250.08	0.00	6.20	11775.17	677.05	0.21
VerdeRiver	VerdeRiver	150373.60	100 YEAR	79640.00	3218.44	3248.29		3248.91	0.00	6.17	12684.99	868.66	0.21
VerdeRiver	VerdeRiver	150373.60	ENCRCH	79640.00	3218.44	3249.18		3249.84	0.00	5.87	12493.37	656.53	0.20
VerdeRiver	VerdeRiver	150191.00	100 YEAR	79640.00	3218.10	3248.03		3248.65	0.00	6.37	12688.86	877.82	0.22
VerdeRiver	VerdeRiver	150191.00	ENCRCH	79640.00	3218.10	3248.89		3249.59	0.00	6.25	12061.72	606.47	0.22
VerdeRiver	VerdeRiver	150047.30	100 YEAR	79640.00	3218.13	3247.66		3248.34	0.00	6.95	12345.12	780.20	0.25
VerdeRiver	VerdeRiver	150047.30	ENCRCH	79640.00	3218.13	3248.54		3249.28	0.00	7.06	11626.50	542.68	0.25
VerdeRiver	VerdeRiver	149842.60	100 YEAR	79640.00	3217.13	3246.92		3247.84	0.00	8.47	11067.52	677.93	0.30
VerdeRiver	VerdeRiver	149842.60	ENCRCH	79640.00	3217.13	3247.83		3248.78	0.00	8.31	10432.42	480.67	0.29
VerdeRiver	VerdeRiver	149579.90	100 YEAR	79640.00	3217.27	3246.09		3247.18	0.00	9.55	10650.51	634.48	0.34
VerdeRiver	VerdeRiver	149579.90	ENCRCH	79640.00	3217.27	3246.93		3248.10	0.00	9.65	9904.55	452.10	0.33
VerdeRiver	VerdeRiver	149271.00	100 YEAR	79640.00	3217.27	3245.54		3246.29	0.00	8.33	12430.49	924.54	0.29
VerdeRiver	VerdeRiver	149271.00	ENCRCH	79640.00	3217.27	3246.35		3247.23	0.00	8.62	11119.03	518.27	0.30
VerdeRiver	VerdeRiver	149076.30	100 YEAR	79640.00	3217.30	3245.20		3245.79	0.00	7.18	13683.25	964.58	0.25
VerdeRiver	VerdeRiver	149076.30	ENCRCH	79640.00	3217.30	3246.06		3246.71	0.00	7.14	12627.02	567.65	0.25
VerdeRiver	VerdeRiver	148850.50	100 YEAR	79640.00	3217.30	3244.80		3245.33	0.00	6.80	14344.88	965.00	0.24
VerdeRiver	VerdeRiver	148850.50	ENCRCH	79640.00	3217.30	3245.66		3246.27	0.00	6.88	13023.81	590.08	0.24
VerdeRiver	VerdeRiver	148688.00	100 YEAR	79640.00	3216.54	3244.55		3245.07	0.00	6.65	14398.83	956.38	0.25
VerdeRiver	VerdeRiver	148688.00	ENCRCH	79640.00	3216.54	3245.42		3246.02	0.00	6.73	12956.77	582.40	0.24
VerdeRiver	VerdeRiver	148497.80	100 YEAR	79640.00	3216.28	3244.13		3244.71	0.00	7.27	14111.81	969.91	0.26
VerdeRiver	VerdeRiver	148497.80	ENCRCH	79640.00	3216.28	3245.00		3245.67	0.00	7.26	12421.66	541.76	0.26
VerdeRiver	VerdeRiver	148348.40	100 YEAR	79640.00	3215.94	3243.85		3244.49	0.00	7.61	13139.65	969.24	0.28
VerdeRiver	VerdeRiver	148348.40	ENCRCH	79640.00	3215.94	3244.68		3245.43	0.00	7.48	11494.88	515.07	0.27
VerdeRiver	VerdeRiver	148164.90	100 YEAR	79640.00	3216.00	3243.32		3244.08	0.00	8.71	12489.89	950.40	0.31
VerdeRiver	VerdeRiver	148164.90	ENCRCH	79640.00	3216.00	3244.15		3245.01	0.00	8.37	10871.05	502.95	0.30
VerdeRiver	VerdeRiver	147992.80	100 YEAR	79640.00	3215.79	3242.79		3243.47	0.00	7.86	12588.56	1005.74	0.29
VerdeRiver	VerdeRiver	147992.80	ENCRCH	79640.00	3215.79	3243.55		3244.38	0.00	7.71	10940.36	514.17	0.28
VerdeRiver	VerdeRiver	147687.00	100 YEAR	79640.00	3215.89	3241.74		3242.54	0.00	9.27	12033.83	968.43	0.34
VerdeRiver	VerdeRiver	147687.00	ENCRCH	79640.00	3215.89	3242.54		3243.41	0.00	8.74	10905.84	529.56	0.31
VerdeRiver	VerdeRiver	147355.20	100 YEAR	79640.00	3215.65	3240.88		3241.64	0.00	8.34	11917.92	940.95	0.31

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	147355.20	ENCRCH	79640.00	3215.65	3241.63		3242.50	0.00	8.49	10902.96	602.38	0.31
VerdeRiver	VerdeRiver	147176.80	100 YEAR	79640.00	3215.82	3240.43		3240.93	0.00	6.50	14441.69	1136.15	0.25
VerdeRiver	VerdeRiver	147176.80	ENCRCH	79640.00	3215.82	3241.19		3241.75	0.00	6.31	13225.92	735.38	0.24
VerdeRiver	VerdeRiver	146910.00	100 YEAR	79640.00	3214.34	3240.21		3240.53	0.00	5.16	17885.53	1316.47	0.19
VerdeRiver	VerdeRiver	146910.00	ENCRCH	79640.00	3214.34	3240.99		3241.34	0.00	5.17	17012.76	879.63	0.19
VerdeRiver	VerdeRiver	146620.80	100 YEAR	79640.00	3214.02	3239.97		3240.29	0.00	5.24	17922.90	1429.21	0.20
VerdeRiver	VerdeRiver	146620.80	ENCRCH	79640.00	3214.02	3240.73		3241.09	0.00	5.31	16792.63	920.41	0.20
VerdeRiver	VerdeRiver	146224.00	100 YEAR	79640.00	3214.24	3239.60		3239.83	0.00	4.41	20816.27	1747.35	0.17
VerdeRiver	VerdeRiver	146224.00	ENCRCH	79640.00	3214.24	3240.35		3240.64	0.00	4.30	18505.36	1034.47	0.17
VerdeRiver	VerdeRiver	145805.50	100 YEAR	79640.00	3213.88	3239.25	3227.45	3239.50	0.00	5.95	22864.56	1905.68	0.22
VerdeRiver	VerdeRiver	145805.50	ENCRCH	79640.00	3213.88	3240.04	3227.40	3240.31	0.00	5.97	21321.14	1296.26	0.22
VerdeRiver	VerdeRiver	145366.80	100 YEAR	79640.00	3214.30	3239.21		3239.35	0.00	4.29	28500.37	2334.72	0.16
VerdeRiver	VerdeRiver	145366.80	ENCRCH	79640.00	3214.30	3240.02		3240.16	0.00	4.20	27487.38	1687.81	0.16
VerdeRiver	VerdeRiver	144879.70	100 YEAR	79640.00	3212.72	3239.17		3239.26	0.00	2.07	32310.26	2437.89	0.07
VerdeRiver	VerdeRiver	144879.70	ENCRCH	79640.00	3212.72	3239.98		3240.09	0.00	2.01	31357.62	1768.78	0.07
VerdeRiver	VerdeRiver	144451.10	100 YEAR	79640.00	3212.02	3239.13		3239.23	0.00	2.35	30753.55	2360.62	0.09
VerdeRiver	VerdeRiver	144451.10	ENCRCH	79640.00	3212.02	3239.94		3240.06	0.00	2.27	29959.85	1750.31	0.08
VerdeRiver	VerdeRiver	143838.80	100 YEAR	79640.00	3210.48	3238.98		3239.17	0.00	3.29	23181.33	1957.87	0.12
VerdeRiver	VerdeRiver	143838.80	ENCRCH	79640.00	3210.48	3239.78		3240.00	0.00	3.24	21542.61	1338.95	0.12
VerdeRiver	VerdeRiver	143308.60	100 YEAR	79640.00	3209.48	3238.40		3238.86	0.00	6.15	15084.84	1532.04	0.21
VerdeRiver	VerdeRiver	143308.60	ENCRCH	79640.00	3209.48	3239.15		3239.69	0.00	6.12	13813.07	956.80	0.21
VerdeRiver	VerdeRiver	142829.70	100 YEAR	79640.00	3208.70	3237.05		3238.13	0.00	9.27	10326.18	1107.72	0.33
VerdeRiver	VerdeRiver	142829.70	ENCRCH	79640.00	3208.70	3238.00		3239.03	0.00	8.50	9833.06	664.97	0.29
VerdeRiver	VerdeRiver	142580.50	100 YEAR	79640.00	3208.86	3236.62	3226.76	3237.65	0.00	9.07	11610.42	1152.88	0.32
VerdeRiver	VerdeRiver	142580.50	ENCRCH	79640.00	3208.86	3237.55	3226.65	3238.58	0.00	8.93	10951.21	697.68	0.31
VerdeRiver	VerdeRiver	142084.30	100 YEAR	79640.00	3207.79	3236.45	3225.79	3236.89	0.00	4.98	17167.79	1403.34	0.17
VerdeRiver	VerdeRiver	142084.30	ENCRCH	79640.00	3207.79	3237.37	3225.80	3237.87	0.00	5.04	15821.56	922.74	0.17
VerdeRiver	VerdeRiver	141806.50	100 YEAR	79640.00	3208.84	3236.37		3236.67	0.00	3.82	20644.67	1724.07	0.13
VerdeRiver	VerdeRiver	141806.50	ENCRCH	79640.00	3208.84	3237.30		3237.62	0.00	3.93	19079.07	1134.81	0.14
VerdeRiver	VerdeRiver	141334.70	100 YEAR	79640.00	3206.34	3236.07		3236.40	0.00	5.16	17829.18	1534.37	0.18
VerdeRiver	VerdeRiver	141334.70	ENCRCH	79640.00	3206.34	3236.98		3237.35	0.00	5.17	16534.35	956.12	0.18
VerdeRiver	VerdeRiver	140949.40	100 YEAR	79640.00	3207.68	3235.36		3236.03	0.00	8.01	13736.19	1407.25	0.28
VerdeRiver	VerdeRiver	140949.40	ENCRCH	79640.00	3207.68	3236.29		3236.98	0.00	7.70	12498.77	820.70	0.27
VerdeRiver	VerdeRiver	140677.00	100 YEAR	79640.00	3207.68	3235.06		3235.65	0.00	7.09	13946.93	1419.39	0.25
VerdeRiver	VerdeRiver	140677.00	ENCRCH	79640.00	3207.68	3235.96		3236.61	0.00	6.97	12404.52	793.57	0.24

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	140351.60	100 YEAR	79640.00	3206.49	3234.26		3235.04	0.00	8.39	12434.99	1375.32	0.30
VerdeRiver	VerdeRiver	140351.60	ENCRCH	79640.00	3206.49	3235.17		3236.00	0.00	8.19	11346.57	804.92	0.28
VerdeRiver	VerdeRiver	139944.80	100 YEAR	79640.00	3207.48	3233.49		3234.16	0.00	7.58	13274.98	1474.80	0.27
VerdeRiver	VerdeRiver	139944.80	ENCRCH	79640.00	3207.48	3234.33		3235.14	0.00	7.90	11531.02	855.76	0.28
VerdeRiver	VerdeRiver	139687.90	100 YEAR	79640.00	3207.02	3232.67		3233.56	0.00	8.63	12550.16	1242.96	0.32
VerdeRiver	VerdeRiver	139687.90	ENCRCH	79640.00	3207.02	3233.58		3234.55	0.00	8.69	11251.54	849.77	0.31
VerdeRiver	VerdeRiver	139462.10	100 YEAR	79640.00	3206.79	3232.41		3233.10	0.00	7.62	13278.47	1144.80	0.28
VerdeRiver	VerdeRiver	139462.10	ENCRCH	79640.00	3206.79	3233.32		3234.07	0.00	7.70	12165.16	844.45	0.27
VerdeRiver	VerdeRiver	139147.20	100 YEAR	79640.00	3206.65	3231.89	3221.72	3232.60	0.00	7.51	12328.93	1060.70	0.27
VerdeRiver	VerdeRiver	139147.20	ENCRCH	79640.00	3206.65	3232.82	3221.76	3233.56	0.00	7.43	11738.27	799.87	0.26
VerdeRiver	VerdeRiver	138761.70	100 YEAR	79640.00	3207.09	3229.46	3226.70	3231.41	0.00	12.94	8907.66	908.09	0.50
VerdeRiver	VerdeRiver	138761.70	ENCRCH	79640.00	3207.09	3230.38	3226.45	3232.35	0.00	12.75	8311.98	659.38	0.48
VerdeRiver	VerdeRiver	138308.60	100 YEAR	79640.00	3206.98	3228.59	3223.66	3229.75	0.00	10.10	10143.06	941.14	0.40
VerdeRiver	VerdeRiver	138308.60	ENCRCH	79640.00	3206.98	3229.44	3222.92	3230.67	0.00	10.13	9605.94	712.90	0.39
VerdeRiver	VerdeRiver	137790.10	100 YEAR	79640.00	3204.09	3227.68		3228.48	0.00	8.13	12049.94	1403.01	0.31
VerdeRiver	VerdeRiver	137790.10	ENCRCH	79640.00	3204.09	3228.51		3229.34	0.00	8.05	11443.72	835.27	0.31
VerdeRiver	VerdeRiver	137444.70	100 YEAR	79640.00	3204.33	3226.92		3227.61	0.00	6.85	12032.35	1301.39	0.27
VerdeRiver	VerdeRiver	137444.70	ENCRCH	79640.00	3204.33	3227.73		3228.48	0.00	6.89	11427.17	842.04	0.27
VerdeRiver	VerdeRiver	137074.50	100 YEAR	79640.00	3203.43	3226.15		3226.74	0.00	6.66	13289.73	1358.64	0.27
VerdeRiver	VerdeRiver	137074.50	ENCRCH	79640.00	3203.43	3226.97		3227.62	0.00	6.74	12532.98	961.54	0.26
VerdeRiver	VerdeRiver	136726.70	100 YEAR	79640.00	3202.56	3225.44		3225.94	0.00	5.51	14048.37	1152.85	0.22
VerdeRiver	VerdeRiver	136726.70	ENCRCH	79640.00	3202.56	3226.29		3226.83	0.00	5.57	13530.05	922.39	0.21
VerdeRiver	VerdeRiver	136266.00	100 YEAR	79640.00	3199.79	3224.55	3216.39	3225.08	0.00	5.78	13701.90	987.52	0.23
VerdeRiver	VerdeRiver	136266.00	ENCRCH	79640.00	3199.79	3225.42	3216.41	3225.99	0.00	5.96	13236.87	857.24	0.23
VerdeRiver	VerdeRiver	136128.80	100 YEAR	79640.00	3199.28	3224.34	3216.11	3224.87	0.00	6.02	13755.67	974.73	0.23
VerdeRiver	VerdeRiver	136128.80	ENCRCH	79640.00	3199.28	3225.21	3216.13	3225.77	0.00	6.19	13288.87	846.65	0.23
VerdeRiver	VerdeRiver	135723.30	100 YEAR	79640.00	3195.54	3223.81		3224.35	0.00	5.54	13620.80	889.15	0.20
VerdeRiver	VerdeRiver	135723.30	ENCRCH	79640.00	3195.54	3224.71		3225.26	0.00	5.40	13463.76	776.49	0.19
VerdeRiver	VerdeRiver	135392.10	100 YEAR	79640.00	3194.96	3223.25		3223.89	0.00	8.25	13488.41	908.01	0.29
VerdeRiver	VerdeRiver	135392.10	ENCRCH	79640.00	3194.96	3224.19		3224.82	0.00	7.86	13144.65	719.87	0.27
VerdeRiver	VerdeRiver	134908.80	100 YEAR	79640.00	3194.16	3222.15		3223.16	0.00	10.39	11646.55	715.78	0.36
VerdeRiver	VerdeRiver	134908.80	ENCRCH	79640.00	3194.16	3223.10		3224.08	0.00	10.01	11330.29	578.25	0.34
VerdeRiver	VerdeRiver	134589.80	100 YEAR	79640.00	3194.88	3221.65		3222.52	0.00	8.53	11128.21	679.81	0.30
VerdeRiver	VerdeRiver	134589.80	ENCRCH	79640.00	3194.88	3222.55		3223.47	0.00	8.59	10690.33	533.42	0.30
VerdeRiver	VerdeRiver	134154.70	100 YEAR	79640.00	3193.86	3219.84		3221.46	0.00	11.87	8758.50	622.04	0.42
VerdeRiver	VerdeRiver	134154.70	ENCRCH	79640.00	3193.86	3220.69		3222.39	0.00	11.69	8002.07	424.76	0.41

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	133830.90	100 YEAR	79640.00	3192.33	3219.24		3220.55	0.00	10.58	8968.78	586.85	0.37
VerdeRiver	VerdeRiver	133830.90	ENCRCH	79640.00	3192.33	3219.99		3221.49	0.00	10.73	8284.79	420.37	0.37
VerdeRiver	VerdeRiver	133488.00	100 YEAR	79640.00	3190.28	3218.05		3219.44	0.00	11.50	8984.03	574.81	0.41
VerdeRiver	VerdeRiver	133488.00	ENCRCH	79640.00	3190.28	3218.90		3220.40	0.00	11.64	8465.71	404.35	0.41
VerdeRiver	VerdeRiver	132939.50	100 YEAR	79640.00	3188.81	3216.23	3208.93	3217.88	0.00	12.32	10009.28	655.86	0.45
VerdeRiver	VerdeRiver	132939.50	ENCRCH	79640.00	3188.81	3217.16	3208.72	3218.82	0.00	12.14	9325.76	461.35	0.43
VerdeRiver	VerdeRiver	132395.70	100 YEAR	79640.00	3187.36	3215.37	3209.15	3216.57	0.00	11.18	12969.08	935.25	0.42
VerdeRiver	VerdeRiver	132395.70	ENCRCH	79640.00	3187.36	3216.27	3209.41	3217.44	0.00	10.89	12376.52	758.09	0.40
VerdeRiver	VerdeRiver	131998.10	100 YEAR	79640.00	3187.26	3215.10	3205.95	3215.76	0.00	8.24	14145.21	1103.26	0.31
VerdeRiver	VerdeRiver	131998.10	ENCRCH	79640.00	3187.26	3215.95	3206.04	3216.62	0.00	8.11	13524.30	831.69	0.30
VerdeRiver	VerdeRiver	131574.60	100 YEAR	79640.00	3186.90	3214.32	3207.69	3215.07	0.00	8.99	14318.29	1178.52	0.33
VerdeRiver	VerdeRiver	131574.60	ENCRCH	79640.00	3186.90	3215.17	3207.65	3215.92	0.00	8.85	14111.41	899.97	0.32
VerdeRiver	VerdeRiver	131246.90	100 YEAR	79640.00	3186.90	3214.03	3205.30	3214.45	0.00	6.42	16712.51	1281.16	0.23
VerdeRiver	VerdeRiver	131246.90	ENCRCH	79640.00	3186.90	3214.86	3205.32	3215.29	0.00	6.33	16242.29	970.41	0.23
VerdeRiver	VerdeRiver	130968.30	100 YEAR	79640.00	3184.93	3213.80	3204.60	3214.17	0.00	5.53	16928.53	1311.06	0.20
VerdeRiver	VerdeRiver	130968.30	ENCRCH	79640.00	3184.93	3214.62	3204.61	3215.00	0.00	5.52	16476.36	996.27	0.20
VerdeRiver	VerdeRiver	130605.60	100 YEAR	79640.00	3184.92	3213.30	3205.93	3213.83	0.00	7.29	14894.48	1232.62	0.26
VerdeRiver	VerdeRiver	130605.60	ENCRCH	79640.00	3184.92	3214.12	3205.95	3214.65	0.00	7.10	14365.68	901.78	0.25
VerdeRiver	VerdeRiver	130095.00	100 YEAR	79640.00	3184.89	3212.45	3203.20	3213.29	0.00	8.67	12497.32	976.04	0.30
VerdeRiver	VerdeRiver	130095.00	ENCRCH	79640.00	3184.89	3213.29	3203.20	3214.10	0.00	8.30	11947.45	677.18	0.28
VerdeRiver	VerdeRiver	129896.30	100 YEAR	79640.00	3184.51	3211.73	3203.28	3213.03	0.00	10.32	9992.61	798.81	0.36
VerdeRiver	VerdeRiver	129896.30	ENCRCH	79640.00	3184.51	3212.60	3203.32	3213.82	0.00	9.72	9422.41	528.71	0.34
VerdeRiver	VerdeRiver	129604.00	100 YEAR	79640.00	3184.26	3210.38	3202.46	3212.40	0.00	12.01	7532.60	673.22	0.44
VerdeRiver	VerdeRiver	129604.00	ENCRCH	79640.00	3184.26	3211.23	3202.40	3213.18	0.00	11.61	7242.09	435.54	0.42
VerdeRiver	VerdeRiver	129448.50	100 YEAR	79640.00	3183.56	3209.99	3200.96	3211.84	0.00	11.37	7888.29	626.47	0.42
VerdeRiver	VerdeRiver	129448.50	ENCRCH	79640.00	3183.56	3210.75	3200.96	3212.64	0.00	11.35	7619.81	409.68	0.41
VerdeRiver	VerdeRiver	129030.60	100 YEAR	79640.00	3180.09	3210.13		3210.82	0.00	7.13	13334.50	918.77	0.26
VerdeRiver	VerdeRiver	129030.60	ENCRCH	79640.00	3180.09	3210.91		3211.63	0.00	7.14	12332.70	574.14	0.25
VerdeRiver	VerdeRiver	128835.70	100 YEAR	79640.00	3180.35	3209.92		3210.67	0.00	7.40	12407.48	828.11	0.27
VerdeRiver	VerdeRiver	128835.70	ENCRCH	79640.00	3180.35	3210.62		3211.46	0.00	7.67	11470.49	538.40	0.28
VerdeRiver	VerdeRiver	128432.70	100 YEAR	79640.00	3180.26	3208.43		3209.90	0.00	10.79	10095.21	739.03	0.38
VerdeRiver	VerdeRiver	128432.70	ENCRCH	79640.00	3180.26	3209.13		3210.62	0.00	10.65	9068.48	456.68	0.37
VerdeRiver	VerdeRiver	128053.00	100 YEAR	79640.00	3179.15	3206.77		3208.92	0.00	12.37	8592.45	749.93	0.44
VerdeRiver	VerdeRiver	128053.00	ENCRCH	79640.00	3179.15	3207.49		3209.63	0.00	12.22	7801.95	399.14	0.43
VerdeRiver	VerdeRiver	127728.30	100 YEAR	79640.00	3178.92	3205.65		3208.08	0.00	13.48	8539.42	746.25	0.49

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	127728.30	ENCRCH	79640.00	3178.92	3206.54		3208.84	0.00	12.95	7175.09	303.30	0.46
VerdeRiver	VerdeRiver	127289.70	100 YEAR	79640.00	3178.14	3203.91		3206.79	0.00	14.17	7177.73	611.17	0.52
VerdeRiver	VerdeRiver	127289.70	ENCRCH	79640.00	3178.14	3204.60		3207.54	0.00	14.10	6247.80	286.66	0.51
VerdeRiver	VerdeRiver	126997.50	100 YEAR	79640.00	3177.65	3203.57		3205.68	0.00	12.87	8080.94	601.62	0.47
VerdeRiver	VerdeRiver	126997.50	ENCRCH	79640.00	3177.65	3204.14		3206.37	0.00	12.93	7212.12	331.87	0.47
VerdeRiver	VerdeRiver	126797.80	100 YEAR	79640.00	3177.31	3202.02		3204.93	0.00	14.98	7158.79	534.47	0.56
VerdeRiver	VerdeRiver	126797.80	ENCRCH	79640.00	3177.31	3202.84		3205.63	0.00	14.62	6975.37	341.92	0.54
VerdeRiver	VerdeRiver	126186.90	100 YEAR	100025.00	3176.75	3201.81		3202.73	0.00	9.42	15090.65	1072.25	0.34
VerdeRiver	VerdeRiver	126186.90	ENCRCH	100025.00	3176.75	3202.57		3203.65	0.00	9.56	12800.32	662.03	0.34
VerdeRiver	VerdeRiver	125844.50	100 YEAR	100025.00	3176.73	3201.57		3202.42	0.00	9.11	15438.08	985.45	0.33
VerdeRiver	VerdeRiver	125844.50	ENCRCH	100025.00	3176.73	3202.36		3203.28	0.00	9.09	14376.26	786.43	0.33
VerdeRiver	VerdeRiver	125673.90	100 YEAR	100025.00	3176.26	3201.57		3202.19	0.00	5.56	17541.98	1098.18	0.20
VerdeRiver	VerdeRiver	125673.90	ENCRCH	100025.00	3176.26	3202.36		3203.07	0.00	5.69	16054.18	856.34	0.20
VerdeRiver	VerdeRiver	125491.70	100 YEAR	100025.00	3175.47	3201.39		3202.02	0.00	7.81	17711.30	1081.75	0.28
VerdeRiver	VerdeRiver	125491.70	ENCRCH	100025.00	3175.47	3202.21		3202.87	0.00	7.90	16781.78	925.84	0.28
VerdeRiver	VerdeRiver	125272.90	100 YEAR	100025.00	3174.98	3201.22		3201.68	0.00	6.46	19201.71	1120.66	0.23
VerdeRiver	VerdeRiver	125272.90	ENCRCH	100025.00	3174.98	3202.08		3202.54	0.00	6.40	19056.88	1022.07	0.23
VerdeRiver	VerdeRiver	125050.20	100 YEAR	100025.00	3175.19	3200.66		3201.35	0.00	8.44	17212.65	907.93	0.31
VerdeRiver	VerdeRiver	125050.20	ENCRCH	100025.00	3175.19	3201.54		3202.23	0.00	8.39	17291.08	834.73	0.30
VerdeRiver	VerdeRiver	124817.50	100 YEAR	100025.00	3174.93	3200.10		3201.04	0.00	10.11	15682.11	850.19	0.37
VerdeRiver	VerdeRiver	124817.50	ENCRCH	100025.00	3174.93	3201.06		3201.94	0.00	9.68	15796.75	781.95	0.35
VerdeRiver	VerdeRiver	124451.40	100 YEAR	100025.00	3174.56	3198.61		3200.40	0.00	12.73	12728.05	712.03	0.48
VerdeRiver	VerdeRiver	124451.40	ENCRCH	100025.00	3174.56	3199.55		3201.30	0.00	12.48	12605.01	655.06	0.46
VerdeRiver	VerdeRiver	123955.60	100 YEAR	100025.00	3174.54	3196.47		3199.34	0.00	15.64	9669.80	574.46	0.60
VerdeRiver	VerdeRiver	123955.60	ENCRCH	100025.00	3174.54	3197.35		3200.27	0.00	15.57	9626.45	512.24	0.58
VerdeRiver	VerdeRiver	123458.20	100 YEAR	100025.00	3174.19	3195.53		3198.24	0.00	14.36	9361.78	550.31	0.55
VerdeRiver	VerdeRiver	123458.20	ENCRCH	100025.00	3174.19	3196.30		3199.22	0.00	14.56	8419.45	422.45	0.55
VerdeRiver	VerdeRiver	122970.90	100 YEAR	100025.00	3174.19	3194.80		3197.19	0.00	13.63	9428.19	601.56	0.53
VerdeRiver	VerdeRiver	122970.90	ENCRCH	100025.00	3174.19	3195.56		3198.12	0.00	13.78	8697.17	465.12	0.53
VerdeRiver	VerdeRiver	122469.20	100 YEAR	100025.00	3174.19	3194.38		3196.07	0.00	11.89	10530.34	655.20	0.47
VerdeRiver	VerdeRiver	122469.20	ENCRCH	100025.00	3174.19	3195.12		3196.96	0.00	12.09	9734.98	521.27	0.47
VerdeRiver	VerdeRiver	122023.10	100 YEAR	100025.00	3170.05	3194.00		3195.21	0.00	10.47	12102.23	726.26	0.40
VerdeRiver	VerdeRiver	122023.10	ENCRCH	100025.00	3170.05	3194.84		3196.08	0.00	10.39	11789.91	604.04	0.39
VerdeRiver	VerdeRiver	121420.10	100 YEAR	100025.00	3169.04	3192.85		3194.18	0.00	7.75	11603.17	689.43	0.29
VerdeRiver	VerdeRiver	121420.10	ENCRCH	100025.00	3169.04	3193.56		3195.07	0.00	7.90	10807.91	524.37	0.29

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	120975.90	100 YEAR	100025.00	3169.00	3192.10		3193.49	0.00	9.39	11391.02	675.70	0.36
VerdeRiver	VerdeRiver	120975.90	ENCRCH	100025.00	3169.00	3192.89		3194.40	0.00	9.55	10693.51	513.71	0.36
VerdeRiver	VerdeRiver	120683.50	100 YEAR	100025.00	3168.74	3191.86		3193.12	0.00	9.83	12233.86	702.93	0.37
VerdeRiver	VerdeRiver	120683.50	ENCRCH	100025.00	3168.74	3192.64		3194.03	0.00	9.91	11361.95	547.90	0.36
VerdeRiver	VerdeRiver	120492.40	100 YEAR	100025.00	3166.61	3191.56		3192.92	0.00	10.24	11933.77	680.78	0.38
VerdeRiver	VerdeRiver	120492.40	ENCRCH	100025.00	3166.61	3192.53		3193.83	0.00	9.94	12010.19	593.97	0.36
VerdeRiver	VerdeRiver	120129.70	100 YEAR	100025.00	3164.63	3190.97		3192.43	0.00	7.18	11239.34	660.11	0.26
VerdeRiver	VerdeRiver	120129.70	ENCRCH	100025.00	3164.63	3191.51		3193.32	0.00	7.57	10280.28	521.58	0.27
VerdeRiver	VerdeRiver	119644.50	100 YEAR	100025.00	3164.58	3190.35		3191.61	0.00	9.80	12131.49	722.31	0.36
VerdeRiver	VerdeRiver	119644.50	ENCRCH	100025.00	3164.58	3191.00		3192.40	0.00	10.00	10798.59	501.88	0.37
VerdeRiver	VerdeRiver	119433.10	100 YEAR	100025.00	3163.84	3190.23		3191.32	0.00	9.06	12737.66	724.07	0.33
VerdeRiver	VerdeRiver	119433.10	ENCRCH	100025.00	3163.84	3190.89		3192.09	0.00	9.23	11559.80	529.60	0.33
VerdeRiver	VerdeRiver	119182.90	100 YEAR	100025.00	3163.67	3189.91	3179.81	3190.93	0.00	8.64	12597.07	733.35	0.32
VerdeRiver	VerdeRiver	119182.90	ENCRCH	100025.00	3163.67	3190.56	3179.81	3191.70	0.00	8.78	11689.85	579.97	0.32
VerdeRiver	VerdeRiver	118746.10	100 YEAR	100025.00	3162.69	3189.35		3190.20	0.00	7.76	13717.79	745.68	0.28
VerdeRiver	VerdeRiver	118746.10	ENCRCH	100025.00	3162.69	3190.04		3190.94	0.00	7.77	13153.55	625.63	0.28
VerdeRiver	VerdeRiver	118663.00	100 YEAR	100025.00	3162.69	3189.27		3190.08	0.00	7.01	13948.15	727.62	0.25
VerdeRiver	VerdeRiver	118663.00	ENCRCH	100025.00	3162.69	3189.89		3190.82	0.00	7.22	13038.73	606.26	0.26
VerdeRiver	VerdeRiver	118530.10	100 YEAR	100025.00	3162.69	3188.79		3189.85	0.00	8.30	12159.82	696.05	0.30
VerdeRiver	VerdeRiver	118530.10	ENCRCH	100025.00	3162.69	3189.34		3190.57	0.00	8.27	11386.49	547.21	0.30
VerdeRiver	VerdeRiver	118122.80	100 YEAR	100025.00	3162.69	3187.57		3188.87	0.00	9.54	11054.59	663.40	0.36
VerdeRiver	VerdeRiver	118122.80	ENCRCH	100025.00	3162.69	3188.27		3189.60	0.00	9.30	10788.66	566.00	0.34
VerdeRiver	VerdeRiver	117662.90	100 YEAR	100025.00	3162.69	3186.16		3187.90	0.00	12.72	10776.85	665.14	0.47
VerdeRiver	VerdeRiver	117662.90	ENCRCH	100025.00	3162.69	3187.08		3188.61	0.00	11.34	10508.69	557.85	0.41
VerdeRiver	VerdeRiver	117305.50	100 YEAR	100025.00	3162.66	3185.97		3187.32	0.00	10.23	11061.55	613.09	0.39
VerdeRiver	VerdeRiver	117305.50	ENCRCH	100025.00	3162.66	3186.79		3188.09	0.00	9.93	11100.46	553.38	0.37
VerdeRiver	VerdeRiver	116637.40	100 YEAR	100025.00	3162.66	3185.11		3186.57	0.00	10.00	10623.58	598.81	0.38
VerdeRiver	VerdeRiver	116637.40	ENCRCH	100025.00	3162.66	3185.81		3187.38	0.00	9.79	9950.84	460.44	0.37
VerdeRiver	VerdeRiver	116451.90	100 YEAR	100025.00	3161.23	3184.83		3186.35	0.00	8.46	10582.75	595.32	0.32
VerdeRiver	VerdeRiver	116451.90	ENCRCH	100025.00	3161.23	3185.52		3187.17	0.00	8.24	10107.89	483.01	0.31
VerdeRiver	VerdeRiver	116237.10	100 YEAR	100025.00	3160.46	3184.43		3186.05	0.00	10.13	10118.33	589.29	0.38
VerdeRiver	VerdeRiver	116237.10	ENCRCH	100025.00	3160.46	3185.21		3186.89	0.00	9.97	9907.59	493.27	0.37
VerdeRiver	VerdeRiver	116039.10	100 YEAR	100025.00	3160.24	3183.61		3185.66	0.00	13.42	9208.18	548.71	0.50
VerdeRiver	VerdeRiver	116039.10	ENCRCH	100025.00	3160.24	3184.47		3186.53	0.00	13.16	9014.93	457.21	0.48
VerdeRiver	VerdeRiver	115878.10	100 YEAR	100025.00	3160.24	3183.23		3185.31	0.00	13.95	9471.45	578.14	0.52
VerdeRiver	VerdeRiver	115878.10	ENCRCH	100025.00	3160.24	3183.77		3186.17	0.00	14.35	8550.03	436.84	0.53

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	115739.40	100 YEAR	100025.00	3160.24	3182.84		3184.97	0.00	13.71	9484.03	589.19	0.51
VerdeRiver	VerdeRiver	115739.40	ENCRCH	100025.00	3160.24	3183.62		3185.76	0.00	13.49	9205.62	462.31	0.50
VerdeRiver	VerdeRiver	115512.70	100 YEAR	100025.00	3159.29	3182.24		3184.22	0.00	13.17	9701.05	603.45	0.50
VerdeRiver	VerdeRiver	115512.70	ENCRCH	100025.00	3159.29	3182.88		3185.08	0.00	13.25	9125.06	464.93	0.50
VerdeRiver	VerdeRiver	115155.80	100 YEAR	100025.00	3159.03	3181.04		3182.72	0.00	10.77	9855.53	655.48	0.41
VerdeRiver	VerdeRiver	115155.80	ENCRCH	100025.00	3159.03	3181.53		3183.65	0.00	11.12	8870.29	464.08	0.42
VerdeRiver	VerdeRiver	114664.00	100 YEAR	100025.00	3157.91	3179.80		3181.32	0.00	10.51	11800.46	874.28	0.41
VerdeRiver	VerdeRiver	114664.00	ENCRCH	100025.00	3157.91	3180.39		3182.11	0.00	11.03	10794.66	663.86	0.42
VerdeRiver	VerdeRiver	114154.40	100 YEAR	100025.00	3157.85	3179.35		3180.31	0.00	8.16	14396.70	1047.89	0.32
VerdeRiver	VerdeRiver	114154.40	ENCRCH	100025.00	3157.85	3179.89		3181.08	0.00	8.39	12853.65	793.59	0.33
VerdeRiver	VerdeRiver	113665.70	100 YEAR	100025.00	3157.00	3179.07		3179.63	0.00	6.31	17597.52	1198.09	0.25
VerdeRiver	VerdeRiver	113665.70	ENCRCH	100025.00	3157.00	3179.66		3180.36	0.00	6.50	15780.41	869.67	0.25
VerdeRiver	VerdeRiver	113289.00	100 YEAR	100025.00	3155.47	3178.60	3168.52	3179.23	0.00	6.16	16746.31	1148.01	0.24
VerdeRiver	VerdeRiver	113289.00	ENCRCH	100025.00	3155.47	3179.28	3168.45	3179.97	0.00	6.30	15726.54	843.84	0.24
VerdeRiver	VerdeRiver	112995.30	100 YEAR	100025.00	3155.35	3178.45		3178.95	0.00	6.26	18170.02	1426.00	0.24
VerdeRiver	VerdeRiver	112995.30	ENCRCH	100025.00	3155.35	3179.12		3179.69	0.00	6.40	16700.11	1051.77	0.25
VerdeRiver	VerdeRiver	112657.80	100 YEAR	100025.00	3154.88	3178.16		3178.66	0.00	6.45	18061.71	1500.99	0.25
VerdeRiver	VerdeRiver	112657.80	ENCRCH	100025.00	3154.88	3178.85		3179.39	0.00	6.59	17307.98	1234.31	0.25
VerdeRiver	VerdeRiver	112227.40	100 YEAR	100025.00	3154.71	3177.89		3178.30	0.00	5.18	19546.13	1558.05	0.20
VerdeRiver	VerdeRiver	112227.40	ENCRCH	100025.00	3154.71	3178.59		3179.02	0.00	5.28	18996.79	1362.35	0.21
VerdeRiver	VerdeRiver	111773.50	100 YEAR	100025.00	3154.30	3177.68		3178.00	0.00	4.98	22668.80	1636.95	0.19
VerdeRiver	VerdeRiver	111773.50	ENCRCH	100025.00	3154.30	3178.37		3178.72	0.00	5.09	21636.91	1392.27	0.19
VerdeRiver	VerdeRiver	111488.90	100 YEAR	100025.00	3154.30	3177.51		3177.84	0.00	4.10	22119.55	1519.38	0.16
VerdeRiver	VerdeRiver	111488.90	ENCRCH	100025.00	3154.30	3178.21		3178.56	0.00	4.19	21448.04	1349.84	0.16
VerdeRiver	VerdeRiver	110804.60	100 YEAR	100025.00	3152.31	3177.18		3177.54	0.00	4.88	20950.94	1325.09	0.18
VerdeRiver	VerdeRiver	110804.60	ENCRCH	100025.00	3152.31	3177.88		3178.26	0.00	4.98	20218.87	1169.81	0.18
VerdeRiver	VerdeRiver	110292.70	100 YEAR	100025.00	3151.51	3176.84		3177.22	0.00	5.55	21477.01	1180.07	0.21
VerdeRiver	VerdeRiver	110292.70	ENCRCH	100025.00	3151.51	3177.53		3177.94	0.00	5.66	20434.53	1009.52	0.21
VerdeRiver	VerdeRiver	109943.00	100 YEAR	100025.00	3151.06	3176.32		3176.88	0.00	7.04	19218.42	1001.72	0.26
VerdeRiver	VerdeRiver	109943.00	ENCRCH	100025.00	3151.06	3177.02		3177.60	0.00	7.13	18465.08	859.73	0.26
VerdeRiver	VerdeRiver	109434.60	100 YEAR	100025.00	3149.12	3174.79		3176.26	0.00	11.63	12634.21	944.70	0.42
VerdeRiver	VerdeRiver	109434.60	ENCRCH	100025.00	3149.12	3175.48		3177.00	0.00	11.60	11747.64	513.48	0.42
VerdeRiver	VerdeRiver	109045.90	100 YEAR	100025.00	3148.60	3173.27		3175.40	0.00	13.98	10991.27	1002.90	0.52
VerdeRiver	VerdeRiver	109045.90	ENCRCH	100025.00	3148.60	3173.73		3176.12	0.00	14.32	9532.90	527.10	0.53
VerdeRiver	VerdeRiver	108804.40	100 YEAR	100025.00	3148.37	3172.66		3174.65	0.00	12.10	9941.01	1001.34	0.46

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	108804.40	ENCRCH	100025.00	3148.37	3173.12		3175.34	0.00	12.40	8712.81	458.75	0.47
VerdeRiver	VerdeRiver	108481.10	100 YEAR	100025.00	3148.30	3172.21		3173.53	0.00	9.71	11803.29	1183.66	0.38
VerdeRiver	VerdeRiver	108481.10	ENCRCH	100025.00	3148.30	3172.77		3174.16	0.00	9.76	10842.37	559.99	0.37
VerdeRiver	VerdeRiver	108023.10	100 YEAR	100025.00	3148.15	3170.67		3171.93	0.00	9.88	13292.93	1727.32	0.39
VerdeRiver	VerdeRiver	108023.10	ENCRCH	100025.00	3148.15	3171.17		3172.58	0.00	10.15	11696.69	884.48	0.40
VerdeRiver	VerdeRiver	107570.80	100 YEAR	100025.00	3148.16	3169.26		3169.96	0.00	7.11	15062.04	2255.48	0.29
VerdeRiver	VerdeRiver	107570.80	ENCRCH	100025.00	3148.16	3169.84		3170.71	0.00	6.84	13834.62	1213.36	0.28
VerdeRiver	VerdeRiver	107126.10	100 YEAR	100025.00	3148.16	3168.14		3168.67	0.00	5.84	17206.68	2754.61	0.25
VerdeRiver	VerdeRiver	107126.10	ENCRCH	100025.00	3148.16	3168.91		3169.59	0.00	5.48	15646.59	1373.73	0.23
VerdeRiver	VerdeRiver	106734.80	100 YEAR	100025.00	3148.16	3167.62	3161.75	3167.97	0.00	4.48	21308.12	2795.59	0.20
VerdeRiver	VerdeRiver	106734.80	ENCRCH	100025.00	3148.16	3168.45	3161.70	3168.92	0.00	4.65	18874.37	1674.90	0.20
VerdeRiver	VerdeRiver	106408.70	100 YEAR	100025.00	3148.16	3167.27	3159.91	3167.56	0.00	4.20	23593.63	2819.22	0.19
VerdeRiver	VerdeRiver	106408.70	ENCRCH	100025.00	3148.16	3168.09	3159.67	3168.50	0.00	4.52	20765.59	1787.35	0.19
VerdeRiver	VerdeRiver	106165.10	100 YEAR	100025.00	3147.37	3167.04	3157.93	3167.30	0.00	3.83	24579.71	2796.37	0.17
VerdeRiver	VerdeRiver	106165.10	ENCRCH	100025.00	3147.37	3167.84	3158.04	3168.22	0.00	4.25	21096.42	1771.69	0.18
VerdeRiver	VerdeRiver	105745.90	100 YEAR	100025.00	3145.34	3166.46		3166.85	0.00	4.45	20306.10	2526.62	0.20
VerdeRiver	VerdeRiver	105745.90	ENCRCH	100025.00	3145.34	3167.23		3167.73	0.00	4.57	18794.70	1713.20	0.20
VerdeRiver	VerdeRiver	105259.50	100 YEAR	100025.00	3144.86	3165.87		3166.24	0.00	4.57	20724.91	2491.17	0.19
VerdeRiver	VerdeRiver	105259.50	ENCRCH	100025.00	3144.86	3166.65		3167.10	0.00	4.62	19041.12	1679.19	0.19
VerdeRiver	VerdeRiver	104770.00	100 YEAR	100025.00	3141.48	3165.36		3165.72	0.00	4.74	20898.21	2451.57	0.18
VerdeRiver	VerdeRiver	104770.00	ENCRCH	100025.00	3141.48	3166.15		3166.58	0.00	4.74	19166.27	1608.04	0.18
VerdeRiver	VerdeRiver	104541.80	100 YEAR	100025.00	3140.22	3164.89		3165.33	0.00	5.49	18961.15	2333.82	0.21
VerdeRiver	VerdeRiver	104541.80	ENCRCH	100025.00	3140.22	3165.69		3166.20	0.00	5.36	17555.68	1528.31	0.20
VerdeRiver	VerdeRiver	104265.50	100 YEAR	100025.00	3139.84	3164.35		3164.95	0.00	7.42	17148.41	2268.90	0.28
VerdeRiver	VerdeRiver	104265.50	ENCRCH	100025.00	3139.84	3165.22		3165.85	0.00	7.10	15940.94	1449.25	0.26
VerdeRiver	VerdeRiver	103882.00	100 YEAR	100025.00	3138.38	3163.48		3164.15	0.00	7.98	16231.74	2217.20	0.30
VerdeRiver	VerdeRiver	103882.00	ENCRCH	100025.00	3138.38	3164.31		3165.07	0.00	7.76	14433.19	1337.66	0.28
VerdeRiver	VerdeRiver	103230.20	100 YEAR	100025.00	3138.38	3162.25		3162.94	0.00	7.82	15796.85	2359.51	0.30
VerdeRiver	VerdeRiver	103230.20	ENCRCH	100025.00	3138.38	3162.96		3163.81	0.00	7.76	13555.30	1253.11	0.29
VerdeRiver	VerdeRiver	102919.30	100 YEAR	100025.00	3138.38	3161.71		3162.25	0.00	5.99	16927.40	2375.55	0.24
VerdeRiver	VerdeRiver	102919.30	ENCRCH	100025.00	3138.38	3162.41		3163.09	0.00	6.02	15307.25	1344.28	0.23
VerdeRiver	VerdeRiver	102691.70	100 YEAR	100025.00	3138.38	3161.20		3161.83	0.00	6.37	15709.18	1920.06	0.25
VerdeRiver	VerdeRiver	102691.70	ENCRCH	100025.00	3138.38	3161.89		3162.65	0.00	6.28	14425.11	1216.98	0.24
VerdeRiver	VerdeRiver	102339.40	100 YEAR	100025.00	3138.38	3160.25		3161.10	0.00	8.19	13696.80	1677.77	0.33
VerdeRiver	VerdeRiver	102339.40	ENCRCH	100025.00	3138.38	3160.87		3161.92	0.00	8.46	12234.11	1115.55	0.34

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	101861.00	100 YEAR	100025.00	3138.38	3159.17	3153.18	3159.88	0.00	6.58	15092.76	1622.43	0.27
VerdeRiver	VerdeRiver	101861.00	ENCRCH	100025.00	3138.38	3159.82	3153.10	3160.64	0.00	6.78	14015.27	1127.57	0.28
VerdeRiver	VerdeRiver	101583.70	100 YEAR	100025.00	3137.55	3157.66		3158.60	0.00	7.31	14059.00	1648.13	0.31
VerdeRiver	VerdeRiver	101583.70	ENCRCH	100025.00	3137.55	3158.42		3159.42	0.00	7.11	13424.15	1011.96	0.30
VerdeRiver	VerdeRiver	101094.70	100 YEAR	100025.00	3136.73	3155.25		3156.44	0.00	8.46	13516.29	1463.34	0.36
VerdeRiver	VerdeRiver	101094.70	ENCRCH	100025.00	3136.73	3155.93		3157.31	0.00	8.73	12480.04	1149.92	0.37
VerdeRiver	VerdeRiver	100867.90	100 YEAR	100025.00	3136.36	3154.18	3151.05	3155.39	0.00	8.45	13557.89	1658.03	0.37
VerdeRiver	VerdeRiver	100867.90	ENCRCH	100025.00	3136.36	3154.79	3151.30	3156.24	0.00	8.78	12319.23	1242.86	0.37
VerdeRiver	VerdeRiver	100701.40	100 YEAR	100025.00	3135.76	3153.60		3154.49	0.00	7.97	15678.77	1960.70	0.35
VerdeRiver	VerdeRiver	100701.40	ENCRCH	100025.00	3135.76	3154.24		3155.31	0.00	8.26	14325.93	1423.82	0.35
VerdeRiver	VerdeRiver	100374.50	100 YEAR	100025.00	3133.37	3152.60		3153.43	0.00	7.12	16936.74	2333.63	0.31
VerdeRiver	VerdeRiver	100374.50	ENCRCH	100025.00	3133.37	3153.13		3154.23	0.00	7.49	14810.45	1677.07	0.32
VerdeRiver	VerdeRiver	100062.30	100 YEAR	100025.00	3135.07	3152.03		3152.79	0.00	7.25	16411.47	2158.64	0.33
VerdeRiver	VerdeRiver	100062.30	ENCRCH	100025.00	3135.07	3152.58		3153.52	0.00	7.61	15351.31	1673.49	0.34
VerdeRiver	VerdeRiver	99816.95	100 YEAR	100025.00	3134.46	3151.61		3152.36	0.00	7.50	16862.60	2151.74	0.35
VerdeRiver	VerdeRiver	99816.95	ENCRCH	100025.00	3134.46	3152.16		3153.06	0.00	7.86	15540.46	1575.25	0.36
VerdeRiver	VerdeRiver	99535.32	100 YEAR	100025.00	3134.32	3151.18		3151.87	0.00	7.13	17291.55	2214.58	0.33
VerdeRiver	VerdeRiver	99535.32	ENCRCH	100025.00	3134.32	3151.66		3152.58	0.00	7.53	15226.86	1437.83	0.34
VerdeRiver	VerdeRiver	99120.59	100 YEAR	100025.00	3130.80	3150.70		3151.36	0.00	7.01	16422.63	2089.05	0.31
VerdeRiver	VerdeRiver	99120.59	ENCRCH	100025.00	3130.80	3151.22		3152.00	0.00	7.35	14846.44	1492.16	0.32
VerdeRiver	VerdeRiver	98803.39	100 YEAR	100025.00	3130.21	3150.27		3151.07	0.00	6.97	14789.22	1881.54	0.29
VerdeRiver	VerdeRiver	98803.39	ENCRCH	100025.00	3130.21	3150.80		3151.70	0.00	7.08	13817.33	1423.30	0.29
VerdeRiver	VerdeRiver	98497.57	100 YEAR	100025.00	3130.30	3149.99		3150.71	0.00	6.72	15386.06	1843.41	0.28
VerdeRiver	VerdeRiver	98497.57	ENCRCH	100025.00	3130.30	3150.53		3151.33	0.00	6.81	14410.75	1424.93	0.28
VerdeRiver	VerdeRiver	98236.61	100 YEAR	100025.00	3130.15	3149.66		3150.37	0.00	7.27	15456.26	1730.06	0.31
VerdeRiver	VerdeRiver	98236.61	ENCRCH	100025.00	3130.15	3150.20		3150.99	0.00	7.60	14500.27	1433.20	0.32
VerdeRiver	VerdeRiver	97936.94	100 YEAR	100025.00	3130.12	3149.31		3149.96	0.00	5.72	16237.65	1828.86	0.24
VerdeRiver	VerdeRiver	97936.94	ENCRCH	100025.00	3130.12	3149.84		3150.55	0.00	6.00	15365.28	1553.00	0.25
VerdeRiver	VerdeRiver	97495.43	100 YEAR	100025.00	3129.94	3148.80		3149.37	0.00	6.62	17262.04	1890.61	0.28
VerdeRiver	VerdeRiver	97495.43	ENCRCH	100025.00	3129.94	3149.23		3149.93	0.00	7.10	15729.30	1516.85	0.30
VerdeRiver	VerdeRiver	97290.14	100 YEAR	100025.00	3127.78	3147.87		3149.00	0.00	10.34	13426.68	1598.12	0.43
VerdeRiver	VerdeRiver	97290.14	ENCRCH	100025.00	3127.78	3148.66		3149.61	0.00	9.49	14343.05	1415.65	0.39
VerdeRiver	VerdeRiver	97097.54	100 YEAR	100025.00	3127.24	3147.77		3148.42	0.00	7.25	15860.97	1752.80	0.30
VerdeRiver	VerdeRiver	97097.54	ENCRCH	100025.00	3127.24	3148.47		3149.18	0.00	7.45	14934.16	1379.83	0.30
VerdeRiver	VerdeRiver	96632.78	100 YEAR	100025.00	3127.18	3147.05		3147.58	0.00	5.60	17201.49	1814.00	0.24
VerdeRiver	VerdeRiver	96632.78	ENCRCH	100025.00	3127.18	3147.73		3148.30	0.00	5.76	16519.04	1522.85	0.25

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HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	96285.73	100 YEAR	100025.00	3127.20	3146.52		3147.07	0.00	6.20	16948.56	1676.73	0.26
VerdeRiver	VerdeRiver	96285.73	ENCRCH	100025.00	3127.20	3147.19		3147.78	0.00	6.34	16271.57	1437.04	0.27
VerdeRiver	VerdeRiver	96021.03	100 YEAR	100025.00	3125.57	3146.00		3146.66	0.00	7.19	15911.99	1490.93	0.31
VerdeRiver	VerdeRiver	96021.03	ENCRCH	100025.00	3125.57	3146.64		3147.36	0.00	7.39	15215.22	1268.98	0.31
VerdeRiver	VerdeRiver	95717.03	100 YEAR	100025.00	3124.54	3145.59		3146.28	0.00	7.24	16180.22	1406.67	0.32
VerdeRiver	VerdeRiver	95717.03	ENCRCH	100025.00	3124.54	3146.20		3146.96	0.00	7.49	15507.88	1235.65	0.32
VerdeRiver	VerdeRiver	95237.35	100 YEAR	100025.00	3125.12	3144.84		3145.66	0.00	7.82	15027.88	1292.46	0.35
VerdeRiver	VerdeRiver	95237.35	ENCRCH	100025.00	3125.12	3145.37		3146.31	0.00	8.15	13745.32	1055.13	0.36
VerdeRiver	VerdeRiver	94807.49	100 YEAR	100025.00	3121.75	3144.38		3145.18	0.00	7.79	15188.22	1625.10	0.34
VerdeRiver	VerdeRiver	94807.49	ENCRCH	100025.00	3121.75	3144.89		3145.81	0.00	8.09	13768.03	895.67	0.34
VerdeRiver	VerdeRiver	94387.85	100 YEAR	100025.00	3122.73	3143.27	3136.17	3144.47	0.00	9.01	11759.88	799.87	0.39
VerdeRiver	VerdeRiver	94387.85	ENCRCH	100025.00	3122.73	3144.02	3136.16	3145.18	0.00	8.77	11822.62	721.03	0.37
VerdeRiver	VerdeRiver	93760.39	100 YEAR	100025.00	3120.52	3142.65	3135.96	3143.30	0.00	7.23	16715.14	2180.45	0.31
VerdeRiver	VerdeRiver	93760.39	ENCRCH	100025.00	3120.52	3143.33	3135.96	3144.13	0.00	7.69	14352.24	1167.40	0.32
VerdeRiver	VerdeRiver	93334.21	100 YEAR	100025.00	3120.13	3141.84		3142.65	0.00	7.94	14580.48	2263.90	0.36
VerdeRiver	VerdeRiver	93334.21	ENCRCH	100025.00	3120.13	3142.51		3143.44	0.00	8.22	13115.72	1248.77	0.37
VerdeRiver	VerdeRiver	92800.42	100 YEAR	100025.00	3119.18	3141.20		3141.87	0.00	7.55	16498.86	2781.79	0.33
VerdeRiver	VerdeRiver	92800.42	ENCRCH	100025.00	3119.18	3141.81		3142.63	0.00	7.92	14392.11	1269.44	0.34
VerdeRiver	VerdeRiver	92178.41	100 YEAR	100025.00	3119.56	3140.69		3141.08	0.00	5.87	20167.10	3137.08	0.25
VerdeRiver	VerdeRiver	92178.41	ENCRCH	100025.00	3119.56	3141.22		3141.83	0.00	5.98	15989.55	1277.14	0.25
VerdeRiver	VerdeRiver	91688.68	100 YEAR	100025.00	3118.90	3140.28		3140.69	0.00	6.25	20827.42	3239.99	0.25
VerdeRiver	VerdeRiver	91688.68	ENCRCH	100025.00	3118.90	3140.83		3141.39	0.00	6.55	16831.52	1372.15	0.26
VerdeRiver	VerdeRiver	91018.15	100 YEAR	100025.00	3117.14	3139.58		3140.05	0.00	6.49	19973.97	2964.79	0.26
VerdeRiver	VerdeRiver	91018.15	ENCRCH	100025.00	3117.14	3140.13		3140.69	0.00	6.60	17312.45	1415.78	0.26
VerdeRiver	VerdeRiver	90216.51	100 YEAR	100025.00	3117.52	3138.58		3139.15	0.00	6.85	17912.13	2787.03	0.30
VerdeRiver	VerdeRiver	90216.51	ENCRCH	100025.00	3117.52	3139.14		3139.75	0.00	6.82	16509.34	1393.56	0.29
VerdeRiver	VerdeRiver	89638.64	100 YEAR	100025.00	3117.45	3137.67		3138.32	0.00	7.42	16901.10	2670.97	0.32
VerdeRiver	VerdeRiver	89638.64	ENCRCH	100025.00	3117.45	3138.20		3138.92	0.00	7.53	15403.07	1321.22	0.32
VerdeRiver	VerdeRiver	89049.18	100 YEAR	100025.00	3113.00	3136.51	3131.31	3137.30	0.00	8.48	15547.98	2050.14	0.34
VerdeRiver	VerdeRiver	89049.18	ENCRCH	100025.00	3113.00	3137.22	3131.31	3137.96	0.00	7.98	15197.62	1342.22	0.32
VerdeRiver	VerdeRiver	88665.22	100 YEAR	100025.00	3112.22	3135.97		3136.62	0.00	6.27	16946.79	2195.07	0.24
VerdeRiver	VerdeRiver	88665.22	ENCRCH	100025.00	3112.22	3136.57		3137.33	0.00	7.24	14499.90	1255.06	0.28
VerdeRiver	VerdeRiver	88480.68	100 YEAR	100025.00	3112.00	3135.72	3129.80	3136.34	0.00	5.68	16720.94	2115.13	0.22
VerdeRiver	VerdeRiver	88480.68	ENCRCH	100025.00	3112.00	3136.25	3129.91	3137.03	0.00	5.61	14888.55	1254.80	0.21
VerdeRiver	VerdeRiver	87968.87	100 YEAR	100025.00	3112.41	3134.16		3135.23	0.00	9.49	12977.54	1823.66	0.38

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	87968.87	ENCRCH	100025.00	3112.41	3134.80		3136.01	0.00	9.08	11764.37	1012.53	0.36
VerdeRiver	VerdeRiver	87650.89	100 YEAR	100025.00	3110.73	3133.37		3134.42	0.00	7.20	13937.35	1804.86	0.28
VerdeRiver	VerdeRiver	87650.89	ENCRCH	100025.00	3110.73	3134.13		3135.25	0.00	7.14	13120.15	978.64	0.28
VerdeRiver	VerdeRiver	87424.81	100 YEAR	100025.00	3109.89	3130.97		3133.09	0.01	10.54	10673.37	1247.46	0.43
VerdeRiver	VerdeRiver	87424.81	ENCRCH	100025.00	3109.89	3131.58		3133.93	0.01	10.55	10107.11	798.48	0.42
VerdeRiver	VerdeRiver	87171.39	100 YEAR	100025.00	3107.62	3130.44		3131.99	0.00	10.47	11795.62	1309.44	0.43
VerdeRiver	VerdeRiver	87171.39	ENCRCH	100025.00	3107.62	3131.20		3132.78	0.00	10.35	10743.58	760.49	0.41
VerdeRiver	VerdeRiver	86692.29	100 YEAR	100025.00	3108.01	3130.02	3123.46	3130.97	0.00	8.54	14414.99	1610.12	0.37
VerdeRiver	VerdeRiver	86692.29	ENCRCH	100025.00	3108.01	3130.79	3123.46	3131.82	0.00	8.64	12927.21	906.94	0.36
VerdeRiver	VerdeRiver	86307.67	100 YEAR	100025.00	3105.64	3129.77	3121.96	3130.47	0.00	7.26	16966.17	1847.53	0.31
VerdeRiver	VerdeRiver	86307.67	ENCRCH	100025.00	3105.64	3130.55	3121.92	3131.33	0.00	7.42	15054.41	1068.89	0.31
VerdeRiver	VerdeRiver	85944.17	100 YEAR	100025.00	3106.44	3129.53		3130.13	0.00	6.78	18301.83	2035.29	0.29
VerdeRiver	VerdeRiver	85944.17	ENCRCH	100025.00	3106.44	3130.32		3130.98	0.00	6.92	16367.86	1227.79	0.29
VerdeRiver	VerdeRiver	85477.47	100 YEAR	100025.00	3106.49	3129.23	3122.49	3129.75	0.00	7.01	21674.84	2617.49	0.28
VerdeRiver	VerdeRiver	85477.47	ENCRCH	100025.00	3106.49	3130.04	3122.26	3130.60	0.00	7.12	19606.95	1534.43	0.28
VerdeRiver	VerdeRiver	84927.79	100 YEAR	100025.00	3104.48	3128.97		3129.37	0.00	6.44	23242.57	2628.00	0.25
VerdeRiver	VerdeRiver	84927.79	ENCRCH	100025.00	3104.48	3129.77		3130.24	0.00	6.54	20020.00	1556.36	0.25
VerdeRiver	VerdeRiver	84524.18	100 YEAR	100025.00	3104.07	3128.78		3129.17	0.00	6.27	23682.30	2559.85	0.24
VerdeRiver	VerdeRiver	84524.18	ENCRCH	100025.00	3104.07	3129.60		3130.05	0.00	6.35	20647.69	1500.87	0.24
VerdeRiver	VerdeRiver	84053.85	100 YEAR	100025.00	3102.63	3128.54		3129.00	0.00	6.58	22772.46	2430.15	0.25
VerdeRiver	VerdeRiver	84053.85	ENCRCH	100025.00	3102.63	3129.42		3129.88	0.00	6.34	20236.45	1394.75	0.24
VerdeRiver	VerdeRiver	83513.39	100 YEAR	100025.00	3102.35	3127.73		3128.68	0.00	9.28	16739.73	2069.72	0.35
VerdeRiver	VerdeRiver	83513.39	ENCRCH	100025.00	3102.35	3128.50		3129.54	0.00	9.41	14341.46	1015.26	0.35
VerdeRiver	VerdeRiver	83090.53	100 YEAR	100025.00	3101.35	3127.02		3128.14	0.00	9.65	14023.81	1804.15	0.36
VerdeRiver	VerdeRiver	83090.53	ENCRCH	100025.00	3101.35	3127.84		3129.00	0.00	9.50	12398.85	807.33	0.34
VerdeRiver	VerdeRiver	82836.90	100 YEAR	100025.00	3099.00	3126.49		3127.62	0.00	9.52	13563.67	1686.97	0.35
VerdeRiver	VerdeRiver	82836.90	ENCRCH	100025.00	3099.00	3127.25		3128.46	0.00	9.43	11665.32	661.06	0.34
VerdeRiver	VerdeRiver	82230.19	100 YEAR	100025.00	3097.53	3124.30		3126.01	0.00	11.09	10397.78	1253.51	0.42
VerdeRiver	VerdeRiver	82230.19	ENCRCH	100025.00	3097.53	3124.83		3126.79	0.00	11.27	8904.13	467.45	0.43
VerdeRiver	VerdeRiver	81903.41	100 YEAR	100025.00	3098.74	3123.58		3125.03	0.00	10.02	10973.91	1184.70	0.39
VerdeRiver	VerdeRiver	81903.41	ENCRCH	100025.00	3098.74	3124.08		3125.75	0.00	10.40	9665.49	497.85	0.40
VerdeRiver	VerdeRiver	81483.22	100 YEAR	100025.00	3098.22	3122.97		3123.95	0.00	8.29	12935.37	1191.87	0.34
VerdeRiver	VerdeRiver	81483.22	ENCRCH	100025.00	3098.22	3123.44		3124.60	0.00	8.64	11589.80	675.26	0.35
VerdeRiver	VerdeRiver	80989.89	100 YEAR	100025.00	3098.36	3122.39		3123.08	0.00	6.73	15510.48	1576.55	0.28
VerdeRiver	VerdeRiver	80989.89	ENCRCH	100025.00	3098.36	3122.82		3123.66	0.00	7.07	13655.04	898.94	0.29

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	80572.25	100 YEAR	100025.00	3097.86	3121.80		3122.49	0.00	6.26	15231.08	1589.76	0.24
VerdeRiver	VerdeRiver	80572.25	ENCRCH	100025.00	3097.86	3122.06		3122.99	0.00	6.76	13360.62	981.50	0.26
VerdeRiver	VerdeRiver	80312.63	100 YEAR	100025.00	3097.73	3121.38	3115.33	3122.07	0.00	6.15	15676.45	1486.56	0.24
VerdeRiver	VerdeRiver	80312.63	ENCRCH	100025.00	3097.73	3121.56	3115.25	3122.51	0.00	6.51	13572.14	1003.75	0.25
VerdeRiver	VerdeRiver	80077.81	100 YEAR	100025.00	3096.71	3120.82	3111.68	3121.44	0.00	6.65	16258.62	1588.80	0.25
VerdeRiver	VerdeRiver	80077.81	ENCRCH	100025.00	3096.71	3120.98	3111.68	3121.78	0.00	7.03	14108.64	1109.93	0.26
VerdeRiver	VerdeRiver	79725.40	100 YEAR	100025.00	3094.36	3119.93		3120.75	0.00	8.26	17160.00	1880.63	0.31
VerdeRiver	VerdeRiver	79725.40	ENCRCH	100025.00	3094.36	3120.03		3120.98	0.00	8.65	14626.39	1145.43	0.33
VerdeRiver	VerdeRiver	79630.17	100 YEAR	100025.00	3094.36	3119.69	3110.32	3120.58	0.00	8.41	17445.40	1622.29	0.32
VerdeRiver	VerdeRiver	79630.17	ENCRCH	100025.00	3094.36	3119.74	3110.35	3120.78	0.00	8.87	14868.85	1173.11	0.34
VerdeRiver	VerdeRiver	79080.61	100 YEAR	100025.00	3092.83	3119.10		3119.75	0.00	7.36	19104.98	2276.10	0.29
VerdeRiver	VerdeRiver	79080.61	ENCRCH	100025.00	3092.83	3119.11		3119.80	0.00	7.52	17003.85	1523.79	0.30
VerdeRiver	VerdeRiver	78813.14	100 YEAR	100025.00	3092.97	3118.82		3119.46	0.00	7.31	19452.20	2232.19	0.29
VerdeRiver	VerdeRiver	78813.14	ENCRCH	100025.00	3092.97	3118.83		3119.49	0.00	7.39	18258.22	1744.67	0.29
VerdeRiver	VerdeRiver	78431.57	100 YEAR	100025.00	3092.82	3118.54		3118.94	0.00	5.20	21178.21	2506.21	0.21
VerdeRiver	VerdeRiver	78431.57	ENCRCH	100025.00	3092.82	3118.54		3118.97	0.00	5.26	20533.32	2212.99	0.21
VerdeRiver	VerdeRiver	78126.85	100 YEAR	100025.00	3092.58	3118.28		3118.63	0.00	5.78	23973.36	2733.92	0.22
VerdeRiver	VerdeRiver	78126.85	ENCRCH	100025.00	3092.58	3118.28		3118.64	0.00	5.90	23304.43	2514.97	0.23
VerdeRiver	VerdeRiver	77692.00	100 YEAR	100025.00	3092.55	3118.07		3118.28	0.00	4.30	29970.82	3282.92	0.17
VerdeRiver	VerdeRiver	77692.00	ENCRCH	100025.00	3092.55	3118.07		3118.28	0.00	4.30	29970.82	3282.92	0.17
VerdeRiver	VerdeRiver	71.89 17A		Lat Struct									
VerdeRiver	VerdeRiver	77324.42	100 YEAR	100025.00	3092.15	3117.94		3118.09	0.00	3.67	32808.80	3152.39	0.14
VerdeRiver	VerdeRiver	77324.42	ENCRCH	100025.00	3092.15	3117.94		3118.09	0.00	3.67	32808.80	3152.39	0.14
VerdeRiver	VerdeRiver	74.29 17B		Lat Struct									
VerdeRiver	VerdeRiver	76863.45	100 YEAR	99752.57	3092.11	3117.81		3117.95	0.00	2.47	35266.59	3002.69	0.09
VerdeRiver	VerdeRiver	76863.45	ENCRCH	99752.57	3092.11	3117.81		3117.95	0.00	2.47	35266.59	3002.69	0.09
VerdeRiver	VerdeRiver	73.29 17C		Lat Struct									
VerdeRiver	VerdeRiver	76405.17	100 YEAR	96624.06	3092.11	3117.74		3117.85	0.00	2.57	37041.42	2525.17	0.09
VerdeRiver	VerdeRiver	76405.17	ENCRCH	96624.06	3092.11	3117.74		3117.85	0.00	2.57	37041.42	2525.17	0.09
VerdeRiver	VerdeRiver	75.00 17D		Lat Struct									
VerdeRiver	VerdeRiver	75904.10	100 YEAR	89721.42	3091.60	3117.70	3104.14	3117.78	0.00	2.40	38924.45	2394.51	0.09
VerdeRiver	VerdeRiver	75904.10	ENCRCH	89721.42	3091.60	3117.70	3104.14	3117.78	0.00	2.40	38924.45	2394.51	0.09
VerdeRiver	VerdeRiver	74.00 17E		Lat Struct									
VerdeRiver	VerdeRiver	75464.65	100 YEAR	86965.71	3090.98	3117.67	3102.89	3117.75	0.00	2.46	36953.64	2155.36	0.09

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	75464.65	ENCRCH	86965.71	3090.98	3117.67	3102.89	3117.75	0.00	2.46	36953.64	2155.36	0.09
VerdeRiver	VerdeRiver	54.54 17F		Lat Struct									
VerdeRiver	VerdeRiver	75058.61	100 YEAR	84845.36	3088.18	3117.60	3102.71	3117.72	0.00	3.03	32753.41	1740.69	0.11
VerdeRiver	VerdeRiver	75058.61	ENCRCH	84845.36	3088.18	3117.60	3102.71	3117.72	0.00	3.03	32753.41	1740.69	0.11
VerdeRiver	VerdeRiver	58.50 17G		Lat Struct									
VerdeRiver	VerdeRiver	74724.05	100 YEAR	82200.78	3087.19	3117.57	3102.16	3117.69	0.00	2.92	31094.36	1738.27	0.10
VerdeRiver	VerdeRiver	74724.05	ENCRCH	82200.78	3087.19	3117.57	3102.16	3117.69	0.00	2.92	31094.36	1738.27	0.10
VerdeRiver	VerdeRiver	23.95 17H		Lat Struct									
VerdeRiver	VerdeRiver	74321.89	100 YEAR	79430.78	3086.91	3117.50	3099.99	3117.63	0.00	3.33	30596.82	1781.09	0.11
VerdeRiver	VerdeRiver	74321.89	ENCRCH	79430.78	3086.91	3117.50	3099.99	3117.63	0.00	3.33	30596.82	1781.09	0.11
VerdeRiver	VerdeRiver	21.78 17I		Lat Struct									
VerdeRiver	VerdeRiver	74037.09	100 YEAR	77980.20	3086.91	3117.45	3098.99	3117.59	0.00	3.39	31944.86	2734.58	0.12
VerdeRiver	VerdeRiver	74037.09	ENCRCH	77980.20	3086.91	3117.45	3098.99	3117.59	0.00	3.39	31944.86	2734.58	0.12
VerdeRiver	VerdeRiver	36.99 17J		Lat Struct									
VerdeRiver	VerdeRiver	73895.66	100 YEAR	77275.23	3086.91	3117.32	3098.82	3117.55	0.00	4.20	26789.65	2553.01	0.14
VerdeRiver	VerdeRiver	73895.66	ENCRCH	77275.23	3086.91	3117.32	3098.82	3117.55	0.00	4.20	26789.65	2553.01	0.14
VerdeRiver	VerdeRiver	73807.95	100 YEAR	77275.23	3085.79	3116.99	3098.93	3117.46	0.00	5.87	18198.25	2133.50	0.19
VerdeRiver	VerdeRiver	73807.95	ENCRCH	77275.23	3085.79	3116.99	3098.93	3117.46	0.00	5.87	18198.25	2133.50	0.19
VerdeRiver	VerdeRiver	.00 I-17 SB Bridge		Bridge									
VerdeRiver	VerdeRiver	73734.02	100 YEAR	77275.23	3086.91	3114.99		3115.59	0.00	6.51	14119.35	1888.26	0.22
VerdeRiver	VerdeRiver	73734.02	ENCRCH	77275.23	3086.91	3114.99		3115.59	0.00	6.51	14119.35	1888.26	0.22
VerdeRiver	VerdeRiver	73713.32	100 YEAR	77275.23	3086.59	3115.03		3115.57	0.00	6.12	16412.93	2229.07	0.21
VerdeRiver	VerdeRiver	73713.32	ENCRCH	77275.23	3086.59	3115.03		3115.57	0.00	6.12	16412.93	2229.07	0.21
VerdeRiver	VerdeRiver	73687.03	100 YEAR	77275.23	3086.72	3115.00		3115.56	0.00	6.20	15840.55	2106.44	0.21
VerdeRiver	VerdeRiver	73687.03	ENCRCH	77275.23	3086.72	3115.00		3115.56	0.00	6.20	15840.55	2106.44	0.21
VerdeRiver	VerdeRiver	73666.80	100 YEAR	77275.23	3086.35	3114.93	3098.24	3115.55	0.00	6.49	12962.28	1139.75	0.22
VerdeRiver	VerdeRiver	73666.80	ENCRCH	77275.23	3086.35	3114.93	3098.24	3115.55	0.00	6.49	12962.28	1139.75	0.22
VerdeRiver	VerdeRiver	.60 I-17 NB Bridge		Bridge									
VerdeRiver	VerdeRiver	73612.59	100 YEAR	77275.23	3086.58	3105.56		3107.19	0.00	10.37	7628.93	473.89	0.44
VerdeRiver	VerdeRiver	73612.59	ENCRCH	77275.23	3086.58	3105.94		3107.50	0.00	10.14	7807.99	475.56	0.42
VerdeRiver	VerdeRiver	73607.03	100 YEAR	77275.23	3086.51	3105.64		3107.05	0.00	9.64	8200.62	503.10	0.41
VerdeRiver	VerdeRiver	73607.03	ENCRCH	77275.23	3086.51	3106.01		3107.37	0.00	9.42	8388.66	504.34	0.39
VerdeRiver	VerdeRiver	73506.46	100 YEAR	100025.00	3084.71	3105.53		3106.68	0.00	8.15	11851.18	2465.65	0.35

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	73506.46	ENCRCH	100025.00	3084.71	3105.93		3107.00	0.00	7.81	12313.75	2558.01	0.33
VerdeRiver	VerdeRiver	73469.10	100 YEAR	100025.00	3084.71	3105.52		3106.31	0.00	7.12	14498.52	2515.22	0.30
VerdeRiver	VerdeRiver	73469.10	ENCRCH	100025.00	3084.71	3105.93		3106.66	0.00	6.85	15092.11	2666.04	0.29
VerdeRiver	VerdeRiver	73403.62	100 YEAR	100025.00	3084.21	3105.42		3106.09	0.00	6.39	15594.42	2728.57	0.27
VerdeRiver	VerdeRiver	73403.62	ENCRCH	100025.00	3084.21	3105.84		3106.46	0.00	6.07	16335.66	2790.00	0.26
VerdeRiver	VerdeRiver	73020.80	100 YEAR	100025.00	3082.73	3104.79	3099.23	3105.22	0.00	4.87	19078.88	2225.48	0.20
VerdeRiver	VerdeRiver	73020.80	ENCRCH	100025.00	3082.73	3105.30	3099.21	3105.71	0.00	4.57	19580.95	1952.24	0.19
VerdeRiver	VerdeRiver	72672.32	100 YEAR	100025.00	3082.30	3104.31		3104.72	0.00	5.87	19872.13	2001.20	0.25
VerdeRiver	VerdeRiver	72672.32	ENCRCH	100025.00	3082.30	3104.87		3105.28	0.00	5.71	19806.08	1669.60	0.24
VerdeRiver	VerdeRiver	72233.34	100 YEAR	100025.00	3082.25	3103.81		3104.28	0.00	6.84	21705.58	2182.54	0.29
VerdeRiver	VerdeRiver	72233.34	ENCRCH	100025.00	3082.25	3104.41		3104.87	0.00	6.77	21443.61	1632.79	0.28
VerdeRiver	VerdeRiver	71764.40	100 YEAR	100025.00	3082.49	3103.64		3103.92	0.00	5.66	26352.86	2392.46	0.24
VerdeRiver	VerdeRiver	71764.40	ENCRCH	100025.00	3082.49	3104.24		3104.53	0.00	5.65	26210.32	1838.15	0.24
VerdeRiver	VerdeRiver	71258.49	100 YEAR	100025.00	3082.07	3103.44		3103.67	0.00	4.66	27791.83	2473.99	0.20
VerdeRiver	VerdeRiver	71258.49	ENCRCH	100025.00	3082.07	3104.05		3104.29	0.00	4.68	26603.75	1734.50	0.20
VerdeRiver	VerdeRiver	70768.67	100 YEAR	100025.00	3081.12	3103.26		3103.51	0.00	5.02	28033.53	2489.13	0.21
VerdeRiver	VerdeRiver	70768.67	ENCRCH	100025.00	3081.12	3103.85		3104.13	0.00	5.14	25756.11	1879.33	0.21
VerdeRiver	VerdeRiver	70302.70	100 YEAR	100025.00	3079.11	3103.07		3103.28	0.00	4.58	30716.40	2308.19	0.18
VerdeRiver	VerdeRiver	70302.70	ENCRCH	100025.00	3079.11	3103.66		3103.89	0.00	4.71	28672.10	1930.56	0.18
VerdeRiver	VerdeRiver	70004.64	100 YEAR	100025.00	3078.24	3102.75		3103.07	0.00	5.72	30493.66	2306.84	0.22
VerdeRiver	VerdeRiver	70004.64	ENCRCH	100025.00	3078.24	3103.32		3103.68	0.00	5.90	27947.74	1849.89	0.22
VerdeRiver	VerdeRiver	69698.53	100 YEAR	100025.00	3076.76	3102.58		3102.82	0.00	4.85	28524.52	2221.66	0.18
VerdeRiver	VerdeRiver	69698.53	ENCRCH	100025.00	3076.76	3103.15		3103.42	0.00	5.00	27006.98	1822.11	0.19
VerdeRiver	VerdeRiver	68860.00	100 YEAR	100025.00	3074.74	3101.69		3101.98	0.00	5.36	25107.65	1778.92	0.19
VerdeRiver	VerdeRiver	68860.00	ENCRCH	100025.00	3074.74	3102.29		3102.58	0.00	5.35	24790.54	1460.06	0.19
VerdeRiver	VerdeRiver	68577.15	100 YEAR	100025.00	3074.21	3101.33		3101.68	0.00	6.47	24106.26	1763.67	0.23
VerdeRiver	VerdeRiver	68577.15	ENCRCH	100025.00	3074.21	3101.92		3102.29	0.00	6.46	23158.00	1264.98	0.23
VerdeRiver	VerdeRiver	68269.69	100 YEAR	100025.00	3072.94	3101.13		3101.46	0.00	6.09	24853.08	1824.00	0.21
VerdeRiver	VerdeRiver	68269.69	ENCRCH	100025.00	3072.94	3101.72		3102.08	0.00	6.19	23665.52	1314.78	0.21
VerdeRiver	VerdeRiver	67663.42	100 YEAR	100025.00	3072.15	3100.77		3100.98	0.00	5.32	30296.85	2074.61	0.19
VerdeRiver	VerdeRiver	67663.42	ENCRCH	100025.00	3072.15	3101.35		3101.60	0.00	5.45	27621.79	1523.95	0.19
VerdeRiver	VerdeRiver	67221.95	100 YEAR	100025.00	3071.24	3100.51		3100.75	0.00	5.61	31784.38	2222.57	0.20
VerdeRiver	VerdeRiver	67221.95	ENCRCH	100025.00	3071.24	3101.09		3101.36	0.00	5.74	28632.04	1589.72	0.20
VerdeRiver	VerdeRiver	66955.95	100 YEAR	100025.00	3071.08	3100.39		3100.61	0.00	5.45	31380.35	2175.18	0.19
VerdeRiver	VerdeRiver	66955.95	ENCRCH	100025.00	3071.08	3100.98		3101.22	0.00	5.48	28708.66	1660.87	0.19

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	66297.05	100 YEAR	100025.00	3070.42	3100.00		3100.23	0.00	5.80	30388.25	2568.62	0.20
VerdeRiver	VerdeRiver	66297.05	ENCRCH	100025.00	3070.42	3100.62		3100.85	0.00	5.77	28785.07	1735.19	0.19
VerdeRiver	VerdeRiver	65938.19	100 YEAR	100025.00	3070.35	3099.49		3099.83	0.00	6.00	23855.92	2738.85	0.21
VerdeRiver	VerdeRiver	65938.19	ENCRCH	100025.00	3070.35	3100.14		3100.49	0.00	5.71	23828.45	1807.61	0.20
VerdeRiver	VerdeRiver	65486.80	100 YEAR	100025.00	3069.80	3099.09		3099.34	0.00	5.23	26886.96	3044.86	0.18
VerdeRiver	VerdeRiver	65486.80	ENCRCH	100025.00	3069.80	3099.75		3100.02	0.00	5.43	25623.37	2191.60	0.18
VerdeRiver	VerdeRiver	64841.44	100 YEAR	100025.00	3069.99	3098.51		3098.78	0.00	6.07	28383.26	3410.68	0.21
VerdeRiver	VerdeRiver	64841.44	ENCRCH	100025.00	3069.99	3099.13		3099.44	0.00	6.25	25878.21	2485.43	0.21
VerdeRiver	VerdeRiver	64228.18	100 YEAR	100025.00	3068.03	3098.13		3098.33	0.00	3.88	29156.76	3328.82	0.14
VerdeRiver	VerdeRiver	64228.18	ENCRCH	100025.00	3068.03	3098.83		3099.01	0.00	3.57	30157.54	2859.41	0.12
VerdeRiver	VerdeRiver	63741.35	100 YEAR	100025.00	3067.82	3097.79		3098.01	0.00	3.84	27634.85	3538.32	0.13
VerdeRiver	VerdeRiver	63741.35	ENCRCH	100025.00	3067.82	3098.57		3098.76	0.00	3.45	29356.31	2969.08	0.12
VerdeRiver	VerdeRiver	63674.71	100 YEAR	100025.00	3067.74	3097.72		3097.95	0.00	4.49	28353.30	4142.29	0.16
VerdeRiver	VerdeRiver	63674.71	ENCRCH	100025.00	3067.74	3098.52		3098.72	0.00	4.06	29210.77	3149.02	0.14
VerdeRiver	VerdeRiver	63569.02	100 YEAR	100025.00	3067.91	3097.68		3097.88	0.00	4.35	30551.34	4338.23	0.15
VerdeRiver	VerdeRiver	63569.02	ENCRCH	100025.00	3067.91	3098.47		3098.67	0.00	4.07	30150.93	3404.76	0.14
VerdeRiver	VerdeRiver	63409.23	100 YEAR	100025.00	3067.36	3097.63		3097.77	0.00	3.81	34797.64	4567.30	0.13
VerdeRiver	VerdeRiver	63409.23	ENCRCH	100025.00	3067.36	3098.43		3098.58	0.00	3.65	33503.95	3686.05	0.12
VerdeRiver	VerdeRiver	63336.84	100 YEAR	100025.00	3066.36	3097.18	3085.00	3097.69	0.00	7.14	21048.47	3533.80	0.24
VerdeRiver	VerdeRiver	63336.84	ENCRCH	100025.00	3066.36	3097.96	3084.97	3098.50	0.00	7.16	19607.40	3431.19	0.23
VerdeRiver	VerdeRiver	631 Black Bridge	Bridge										
VerdeRiver	VerdeRiver	63277.32	100 YEAR	100025.00	3066.06	3094.04		3095.55	0.00	10.73	11940.53	2607.07	0.37
VerdeRiver	VerdeRiver	63277.32	ENCRCH	100025.00	3066.06	3094.67		3095.98	0.00	10.06	12889.24	2677.26	0.35
VerdeRiver	VerdeRiver	63202.94	100 YEAR	100025.00	3066.07	3094.37		3094.83	0.00	7.31	24612.96	4067.68	0.26
VerdeRiver	VerdeRiver	63202.94	ENCRCH	100025.00	3066.07	3094.94		3095.37	0.00	6.97	23868.10	3526.62	0.24
VerdeRiver	VerdeRiver	62213.77	100 YEAR	121155.00	3062.47	3092.71		3093.49	0.00	7.85	19800.96	2839.67	0.28
VerdeRiver	VerdeRiver	62213.77	ENCRCH	121155.00	3062.47	3093.45		3094.19	0.00	7.39	19987.39	2122.25	0.26
VerdeRiver	VerdeRiver	61511.35	100 YEAR	121155.00	3061.58	3092.22		3092.74	0.00	7.62	23290.37	2636.33	0.25
VerdeRiver	VerdeRiver	61511.35	ENCRCH	121155.00	3061.58	3092.94		3093.53	0.00	7.82	21439.12	1815.45	0.26
VerdeRiver	VerdeRiver	61017.64	100 YEAR	121155.00	3061.45	3091.79		3092.29	0.00	7.53	22785.19	2329.69	0.25
VerdeRiver	VerdeRiver	61017.64	ENCRCH	121155.00	3061.45	3092.49		3093.06	0.00	7.92	21090.19	1628.40	0.26
VerdeRiver	VerdeRiver	60487.82	100 YEAR	121155.00	3061.34	3091.13		3091.85	0.00	9.13	20058.23	2127.86	0.30
VerdeRiver	VerdeRiver	60487.82	ENCRCH	121155.00	3061.34	3091.95		3092.63	0.00	8.28	19138.31	1557.57	0.27
VerdeRiver	VerdeRiver	59949.97	100 YEAR	121155.00	3061.20	3090.66		3091.43	0.00	9.86	22527.22	2218.60	0.32
VerdeRiver	VerdeRiver	59949.97	ENCRCH	121155.00	3061.20	3091.45		3092.23	0.00	9.60	20818.90	1602.79	0.31

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HEC-RAS OUTPUT
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	59695.28	100 YEAR	121155.00	3061.13	3090.67		3091.10	0.00	6.61	24857.95	2377.31	0.22
VerdeRiver	VerdeRiver	59695.28	ENCRCH	121155.00	3061.13	3091.42		3091.94	0.00	6.70	21618.44	1600.59	0.22
VerdeRiver	VerdeRiver	59473.20	100 YEAR	121155.00	3061.07	3090.58		3090.94	0.00	6.01	27483.79	2537.55	0.21
VerdeRiver	VerdeRiver	59473.20	ENCRCH	121155.00	3061.07	3091.32		3091.77	0.00	6.27	23431.93	1704.36	0.21
VerdeRiver	VerdeRiver	59160.50	100 YEAR	121155.00	3060.96	3090.47		3090.79	0.00	5.52	30125.69	2537.69	0.19
VerdeRiver	VerdeRiver	59160.50	ENCRCH	121155.00	3060.96	3091.27		3091.61	0.00	5.45	27319.43	1836.33	0.19
VerdeRiver	VerdeRiver	58859.59	100 YEAR	121155.00	3060.19	3090.31		3090.69	0.00	5.82	30157.54	2443.36	0.21
VerdeRiver	VerdeRiver	58859.59	ENCRCH	121155.00	3060.19	3091.12		3091.51	0.00	5.75	27329.79	1802.43	0.20
VerdeRiver	VerdeRiver	58499.82	100 YEAR	121155.00	3059.95	3090.25		3090.61	0.00	5.57	31220.97	2423.26	0.20
VerdeRiver	VerdeRiver	58499.82	ENCRCH	121155.00	3059.95	3091.07		3091.43	0.00	5.47	28826.79	1834.96	0.19
VerdeRiver	VerdeRiver	58279.70	100 YEAR	121155.00	3059.95	3090.09		3090.55	0.00	6.51	28067.27	2285.88	0.23
VerdeRiver	VerdeRiver	58279.70	ENCRCH	121155.00	3059.95	3090.90		3091.37	0.00	6.41	25426.54	1691.64	0.22
VerdeRiver	VerdeRiver	57785.39	100 YEAR	121155.00	3059.95	3089.24		3090.31	0.00	10.32	21095.63	1953.92	0.36
VerdeRiver	VerdeRiver	57785.39	ENCRCH	121155.00	3059.95	3090.04		3091.12	0.00	10.16	18465.26	1370.40	0.35
VerdeRiver	VerdeRiver	57353.37	100 YEAR	121155.00	3059.92	3086.92		3089.71	0.00	15.45	13709.10	1576.42	0.53
VerdeRiver	VerdeRiver	57353.37	ENCRCH	121155.00	3059.92	3087.77		3090.49	0.00	15.12	12384.31	1095.23	0.51
VerdeRiver	VerdeRiver	56860.00	100 YEAR	121155.00	3058.99	3085.64		3088.69	0.00	16.19	13589.06	1089.96	0.56
VerdeRiver	VerdeRiver	56860.00	ENCRCH	121155.00	3058.99	3086.43		3089.46	0.00	15.98	12748.71	792.25	0.54
VerdeRiver	VerdeRiver	56388.94	100 YEAR	121155.00	3058.99	3084.90		3087.30	0.00	16.96	15189.79	849.24	0.59
VerdeRiver	VerdeRiver	56388.94	ENCRCH	121155.00	3058.99	3085.57		3088.17	0.00	17.28	14202.48	686.33	0.59
VerdeRiver	VerdeRiver	55891.60	100 YEAR	121155.00	3058.99	3084.27		3085.38	0.00	11.20	17428.50	993.78	0.40
VerdeRiver	VerdeRiver	55891.60	ENCRCH	121155.00	3058.99	3085.01		3086.18	0.00	11.38	16676.55	789.64	0.40
VerdeRiver	VerdeRiver	55402.60	100 YEAR	121155.00	3058.99	3082.94		3084.12	0.00	10.98	17344.20	1158.42	0.40
VerdeRiver	VerdeRiver	55402.60	ENCRCH	121155.00	3058.99	3083.66		3084.93	0.00	11.19	16186.82	810.89	0.40
VerdeRiver	VerdeRiver	55033.88	100 YEAR	121155.00	3058.99	3080.91		3083.02	0.00	15.78	16157.76	1276.52	0.60
VerdeRiver	VerdeRiver	55033.88	ENCRCH	121155.00	3058.99	3081.45		3083.81	0.00	16.27	14669.82	806.09	0.61
VerdeRiver	VerdeRiver	54842.93	100 YEAR	121155.00	3058.99	3081.02		3082.33	0.00	12.41	17130.35	1424.48	0.47
VerdeRiver	VerdeRiver	54842.93	ENCRCH	121155.00	3058.99	3081.58		3083.08	0.00	12.90	15492.58	873.57	0.49
VerdeRiver	VerdeRiver	54432.96	100 YEAR	121155.00	3058.99	3080.65		3081.43	0.00	10.06	24189.01	1900.22	0.39
VerdeRiver	VerdeRiver	54432.96	ENCRCH	121155.00	3058.99	3081.26		3082.13	0.00	10.33	22129.26	1342.17	0.39
VerdeRiver	VerdeRiver	54076.29	100 YEAR	121155.00	3058.78	3080.56		3080.99	0.00	6.90	25482.02	2376.66	0.26
VerdeRiver	VerdeRiver	54076.29	ENCRCH	121155.00	3058.78	3081.17		3081.67	0.00	7.33	23014.00	1458.04	0.28
VerdeRiver	VerdeRiver	53733.41	100 YEAR	121155.00	3058.78	3080.40		3080.78	0.00	4.91	25250.15	2274.25	0.19
VerdeRiver	VerdeRiver	53733.41	ENCRCH	121155.00	3058.78	3081.03		3081.43	0.00	4.75	23885.59	1483.10	0.19
VerdeRiver	VerdeRiver	53223.54	100 YEAR	121155.00	3057.35	3080.00		3080.39	0.00	5.04	24645.70	2088.92	0.19
VerdeRiver	VerdeRiver	53223.54	ENCRCH	121155.00	3057.35	3080.61		3081.03	0.00	5.19	23327.94	1485.08	0.20

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VerdeRiver	VerdeRiver	52724.35	100 YEAR	121155.00	3051.16	3079.67		3080.05	0.00	4.80	25152.21	2216.19	0.17
VerdeRiver	VerdeRiver	52724.35	ENCRCH	121155.00	3051.16	3080.28		3080.69	0.00	4.81	23657.86	1509.26	0.17
VerdeRiver	VerdeRiver	52443.73	100 YEAR	121155.00	3050.85	3079.41		3079.82	0.00	5.83	25203.79	2319.07	0.20
VerdeRiver	VerdeRiver	52443.73	ENCRCH	121155.00	3050.85	3079.97		3080.44	0.00	6.20	22604.30	1464.97	0.21
VerdeRiver	VerdeRiver	52059.18	100 YEAR	121155.00	3049.42	3079.10		3079.48	0.00	5.14	26245.97	2142.54	0.18
VerdeRiver	VerdeRiver	52059.18	ENCRCH	121155.00	3049.42	3079.64		3080.09	0.00	5.29	23655.90	1473.84	0.18
VerdeRiver	VerdeRiver	51727.17	100 YEAR	121155.00	3047.67	3078.83		3079.21	0.00	5.70	26402.66	2037.21	0.19
VerdeRiver	VerdeRiver	51727.17	ENCRCH	121155.00	3047.67	3079.36		3079.82	0.00	5.75	24159.63	1499.90	0.19
VerdeRiver	VerdeRiver	51436.45	100 YEAR	121155.00	3047.63	3078.62		3079.00	0.00	5.78	26407.50	1904.59	0.20
VerdeRiver	VerdeRiver	51436.45	ENCRCH	121155.00	3047.63	3079.15		3079.61	0.00	5.83	23997.59	1350.40	0.20
VerdeRiver	VerdeRiver	51026.23	100 YEAR	121155.00	3047.47	3077.83		3078.52	0.00	7.49	20812.44	1910.22	0.26
VerdeRiver	VerdeRiver	51026.23	ENCRCH	121155.00	3047.47	3078.30		3079.11	0.00	7.94	18294.63	1114.63	0.28
VerdeRiver	VerdeRiver	50978.61	100 YEAR	121155.00	3047.47	3077.31	3065.99	3078.33	0.00	8.75	17309.17	1706.43	0.31
VerdeRiver	VerdeRiver	50978.61	ENCRCH	121155.00	3047.47	3077.60	3065.99	3078.89	0.00	9.44	13574.78	637.89	0.34
VerdeRiver	VerdeRiver	46 SR-260 Bridge	Bridge										
VerdeRiver	VerdeRiver	50866.96	100 YEAR	121155.00	3047.47	3075.73		3077.33	0.00	10.51	12498.53	618.59	0.39
VerdeRiver	VerdeRiver	50866.96	ENCRCH	121155.00	3047.47	3076.43		3077.94	0.00	10.21	12845.13	593.44	0.37
VerdeRiver	VerdeRiver	50819.41	100 YEAR	121155.00	3047.40	3075.79		3077.00	0.00	9.44	15037.47	1261.12	0.35
VerdeRiver	VerdeRiver	50819.41	ENCRCH	121155.00	3047.40	3076.50		3077.63	0.00	9.09	14979.09	798.30	0.33
VerdeRiver	VerdeRiver	50395.21	100 YEAR	121155.00	3047.22	3075.36		3076.03	0.00	7.56	20361.90	1451.22	0.28
VerdeRiver	VerdeRiver	50395.21	ENCRCH	121155.00	3047.22	3075.94		3076.72	0.00	7.93	18430.10	1004.55	0.29
VerdeRiver	VerdeRiver	50008.70	100 YEAR	121155.00	3047.40	3074.72	3064.91	3075.44	0.00	8.28	20690.37	1637.01	0.30
VerdeRiver	VerdeRiver	50008.70	ENCRCH	121155.00	3047.40	3075.37	3064.92	3076.13	0.00	8.31	19612.28	1060.46	0.30
VerdeRiver	VerdeRiver	49540.32	100 YEAR	121155.00	3047.42	3073.88	3064.48	3074.52	0.00	7.12	19287.39	1802.68	0.26
VerdeRiver	VerdeRiver	49540.32	ENCRCH	121155.00	3047.42	3074.46	3064.65	3075.23	0.00	7.39	17250.52	1062.99	0.27
VerdeRiver	VerdeRiver	49183.14	100 YEAR	121155.00	3047.42	3072.89	3063.82	3073.61	0.00	7.45	18448.70	1898.12	0.28
VerdeRiver	VerdeRiver	49183.14	ENCRCH	121155.00	3047.42	3073.57	3063.79	3074.30	0.00	7.27	17986.78	1096.99	0.27
VerdeRiver	VerdeRiver	48826.27	100 YEAR	121155.00	3046.62	3071.89		3072.66	0.00	7.81	18046.92	1960.08	0.29
VerdeRiver	VerdeRiver	48826.27	ENCRCH	121155.00	3046.62	3072.55		3073.38	0.00	7.74	16679.39	1034.61	0.28
VerdeRiver	VerdeRiver	48322.08	100 YEAR	121155.00	3046.24	3070.58		3071.55	0.00	8.75	16780.84	1749.37	0.34
VerdeRiver	VerdeRiver	48322.08	ENCRCH	121155.00	3046.24	3071.17		3072.22	0.00	8.83	15325.79	974.24	0.33
VerdeRiver	VerdeRiver	47828.98	100 YEAR	121155.00	3045.62	3068.79		3070.63	0.00	12.27	13773.52	1228.75	0.48
VerdeRiver	VerdeRiver	47828.98	ENCRCH	121155.00	3045.62	3069.41		3071.30	0.00	12.23	12678.28	866.20	0.47
VerdeRiver	VerdeRiver	47444.35	100 YEAR	121155.00	3044.10	3068.57		3069.79	0.00	10.53	15788.62	1296.06	0.40
VerdeRiver	VerdeRiver	47444.35	ENCRCH	121155.00	3044.10	3069.16		3070.51	0.00	10.68	14721.03	925.58	0.40

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	47085.07	100 YEAR	121155.00	3043.02	3068.21		3069.13	0.00	7.19	16109.04	1340.93	0.27
VerdeRiver	VerdeRiver	47085.07	ENCRCH	121155.00	3043.02	3068.76		3069.87	0.00	7.35	14921.49	894.60	0.28
VerdeRiver	VerdeRiver	46480.89	100 YEAR	121155.00	3043.03	3066.42		3067.43	0.00	8.69	15534.03	1379.91	0.35
VerdeRiver	VerdeRiver	46480.89	ENCRCH	121155.00	3043.03	3067.06		3068.20	0.00	8.76	14798.45	896.35	0.35
VerdeRiver	VerdeRiver	45731.89	100 YEAR	121155.00	3043.65	3064.91		3065.79	0.00	8.18	16813.03	2143.53	0.35
VerdeRiver	VerdeRiver	45731.89	ENCRCH	121155.00	3043.65	3065.67		3066.63	0.00	8.08	15828.34	1209.83	0.34
VerdeRiver	VerdeRiver	45248.06	100 YEAR	121155.00	3042.63	3064.20		3065.04	0.00	8.05	17090.99	2679.54	0.33
VerdeRiver	VerdeRiver	45248.06	ENCRCH	121155.00	3042.63	3065.04		3065.93	0.00	7.77	15926.54	1462.20	0.31
VerdeRiver	VerdeRiver	44764.16	100 YEAR	121155.00	3040.52	3063.66		3064.43	0.00	6.83	17345.58	3060.69	0.27
VerdeRiver	VerdeRiver	44764.16	ENCRCH	121155.00	3040.52	3064.45		3065.39	0.00	6.87	15841.46	1574.40	0.27
VerdeRiver	VerdeRiver	44420.16	100 YEAR	121155.00	3040.20	3063.16		3063.86	0.00	5.57	18507.01	3422.78	0.22
VerdeRiver	VerdeRiver	44420.16	ENCRCH	121155.00	3040.20	3064.00		3064.87	0.00	5.39	17425.33	1784.20	0.21
VerdeRiver	VerdeRiver	44209.12	100 YEAR	121155.00	3040.87	3062.72		3063.43	0.00	7.31	18659.43	3813.51	0.29
VerdeRiver	VerdeRiver	44209.12	ENCRCH	121155.00	3040.87	3063.43		3064.43	0.00	7.77	16270.27	1818.28	0.30
VerdeRiver	VerdeRiver	42547.56	100 YEAR	121155.00	3035.42	3059.62		3060.40	0.00	8.04	19660.50	4631.36	0.31
VerdeRiver	VerdeRiver	42547.56	ENCRCH	121155.00	3035.42	3060.02		3061.11	0.00	8.56	16544.33	2139.84	0.33
VerdeRiver	VerdeRiver	42013.95	100 YEAR	121155.00	3035.54	3058.15		3059.34	0.00	11.23	18796.60	4859.24	0.45
VerdeRiver	VerdeRiver	42013.95	ENCRCH	121155.00	3035.54	3058.85		3060.07	0.00	10.98	16700.73	2072.44	0.43
VerdeRiver	VerdeRiver	41583.91	100 YEAR	121155.00	3034.39	3057.87		3058.37	0.00	6.90	22388.06	4900.26	0.28
VerdeRiver	VerdeRiver	41583.91	ENCRCH	121155.00	3034.39	3058.47		3059.16	0.00	6.94	18231.02	1838.52	0.28
VerdeRiver	VerdeRiver	41226.21	100 YEAR	121155.00	3034.20	3057.20		3057.78	0.00	7.32	21820.63	4707.08	0.30
VerdeRiver	VerdeRiver	41226.21	ENCRCH	121155.00	3034.20	3057.81		3058.55	0.00	7.52	17880.69	1749.07	0.31
VerdeRiver	VerdeRiver	40741.45	100 YEAR	121155.00	3033.84	3056.22		3057.00	0.00	8.33	21738.91	4499.81	0.35
VerdeRiver	VerdeRiver	40741.45	ENCRCH	121155.00	3033.84	3056.90		3057.77	0.00	8.44	18138.10	1792.68	0.35
VerdeRiver	VerdeRiver	40235.74	100 YEAR	121155.00	3030.61	3055.29		3056.18	0.00	9.13	19452.74	3472.88	0.36
VerdeRiver	VerdeRiver	40235.74	ENCRCH	121155.00	3030.61	3056.21		3057.03	0.00	8.63	19191.16	1792.02	0.34
VerdeRiver	VerdeRiver	39694.69	100 YEAR	121155.00	3028.53	3054.71		3055.30	0.00	7.67	21722.29	3619.00	0.29
VerdeRiver	VerdeRiver	39694.69	ENCRCH	121155.00	3028.53	3055.65		3056.26	0.00	7.59	20748.25	1891.11	0.28
VerdeRiver	VerdeRiver	39294.37	100 YEAR	121155.00	3028.44	3054.16		3054.76	0.00	7.34	20406.22	3368.05	0.29
VerdeRiver	VerdeRiver	39294.37	ENCRCH	121155.00	3028.44	3055.13		3055.75	0.00	7.24	19676.96	1778.08	0.28
VerdeRiver	VerdeRiver	38740.89	100 YEAR	121155.00	3027.28	3053.63		3054.14	0.00	5.74	21336.42	3234.17	0.21
VerdeRiver	VerdeRiver	38740.89	ENCRCH	121155.00	3027.28	3054.61		3055.17	0.00	5.51	20187.79	1680.73	0.20
VerdeRiver	VerdeRiver	38252.30	100 YEAR	121155.00	3027.06	3052.94		3053.53	0.00	5.83	20114.70	2951.04	0.21
VerdeRiver	VerdeRiver	38252.30	ENCRCH	121155.00	3027.06	3053.93		3054.60	0.00	5.64	18776.54	1496.34	0.20
VerdeRiver	VerdeRiver	37990.47	100 YEAR	121155.00	3026.99	3052.62		3053.11	0.00	5.62	22012.96	2983.80	0.21

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HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	37990.47	ENCRCH	121155.00	3026.99	3053.48		3054.18	0.00	6.32	18154.28	1362.01	0.23
VerdeRiver	VerdeRiver	37655.05	100 YEAR	121155.00	3026.61	3052.04		3052.67	0.00	7.78	20625.66	2492.83	0.29
VerdeRiver	VerdeRiver	37655.05	ENCRCH	121155.00	3026.61	3052.52		3053.55	0.00	9.61	16326.32	1216.69	0.36
VerdeRiver	VerdeRiver	37270.13	100 YEAR	121155.00	3026.31	3051.45		3052.22	0.00	7.92	18160.48	1667.39	0.31
VerdeRiver	VerdeRiver	37270.13	ENCRCH	121155.00	3026.31	3052.02		3052.97	0.00	8.68	16033.00	1169.77	0.33
VerdeRiver	VerdeRiver	36909.16	100 YEAR	121155.00	3026.12	3050.87		3051.83	0.00	9.17	17243.84	1455.22	0.36
VerdeRiver	VerdeRiver	36909.16	ENCRCH	121155.00	3026.12	3051.51		3052.58	0.00	9.41	15736.77	1093.98	0.36
VerdeRiver	VerdeRiver	36666.93	100 YEAR	121155.00	3025.93	3050.40		3051.51	0.00	9.90	17075.01	1510.80	0.38
VerdeRiver	VerdeRiver	36666.93	ENCRCH	121155.00	3025.93	3051.00		3052.24	0.00	10.19	15351.17	1091.37	0.39
VerdeRiver	VerdeRiver	36220.29	100 YEAR	121155.00	3025.33	3050.02		3050.89	0.00	8.82	18524.23	1481.45	0.34
VerdeRiver	VerdeRiver	36220.29	ENCRCH	121155.00	3025.33	3050.55		3051.73	0.00	9.75	15094.37	975.40	0.37
VerdeRiver	VerdeRiver	35818.15	100 YEAR	121155.00	3024.96	3049.20		3050.27	0.00	6.47	16193.20	1292.40	0.25
VerdeRiver	VerdeRiver	35818.15	ENCRCH	121155.00	3024.96	3049.74		3051.04	0.00	6.70	14769.01	932.81	0.26
VerdeRiver	VerdeRiver	35340.37	100 YEAR	121155.00	3024.43	3048.39		3049.40	0.00	7.46	15626.28	1207.85	0.29
VerdeRiver	VerdeRiver	35340.37	ENCRCH	121155.00	3024.43	3048.94		3050.12	0.00	7.72	14315.00	863.41	0.29
VerdeRiver	VerdeRiver	35018.50	100 YEAR	121155.00	3024.23	3047.80		3048.70	0.00	8.24	16339.66	1397.04	0.32
VerdeRiver	VerdeRiver	35018.50	ENCRCH	121155.00	3024.23	3048.32		3049.40	0.00	8.50	15227.44	892.10	0.33
VerdeRiver	VerdeRiver	34640.28	100 YEAR	121155.00	3023.31	3046.78		3048.00	0.00	9.91	15014.79	1401.86	0.40
VerdeRiver	VerdeRiver	34640.28	ENCRCH	121155.00	3023.31	3047.27		3048.66	0.00	10.27	13474.34	792.79	0.41
VerdeRiver	VerdeRiver	34314.01	100 YEAR	121155.00	3023.25	3046.41		3047.47	0.00	9.36	15172.98	1549.46	0.38
VerdeRiver	VerdeRiver	34314.01	ENCRCH	121155.00	3023.25	3046.87		3048.12	0.00	9.74	13677.97	863.31	0.39
VerdeRiver	VerdeRiver	34064.00	100 YEAR	121155.00	3022.59	3046.10		3047.05	0.00	8.82	16387.38	1541.15	0.35
VerdeRiver	VerdeRiver	34064.00	ENCRCH	121155.00	3022.59	3046.57		3047.67	0.00	9.16	14961.48	914.67	0.36
VerdeRiver	VerdeRiver	33621.80	100 YEAR	121155.00	3021.83	3045.56		3046.27	0.00	7.33	18742.93	1940.88	0.28
VerdeRiver	VerdeRiver	33621.80	ENCRCH	121155.00	3021.83	3046.06		3046.86	0.00	7.36	17302.57	1088.79	0.28
VerdeRiver	VerdeRiver	33266.89	100 YEAR	121155.00	3020.66	3045.09		3045.92	0.00	8.32	17764.25	1688.41	0.32
VerdeRiver	VerdeRiver	33266.89	ENCRCH	121155.00	3020.66	3045.66		3046.54	0.00	8.20	16465.85	1059.36	0.31
VerdeRiver	VerdeRiver	32966.35	100 YEAR	121155.00	3019.44	3044.80		3045.48	0.00	7.28	19128.52	1687.21	0.28
VerdeRiver	VerdeRiver	32966.35	ENCRCH	121155.00	3019.44	3045.38		3046.09	0.00	7.22	18123.27	1297.12	0.27
VerdeRiver	VerdeRiver	32647.61	100 YEAR	121155.00	3018.51	3044.54		3045.09	0.00	5.80	21179.03	1663.24	0.22
VerdeRiver	VerdeRiver	32647.61	ENCRCH	121155.00	3018.51	3045.11		3045.69	0.00	5.71	19981.27	1321.58	0.21
VerdeRiver	VerdeRiver	32287.80	100 YEAR	121155.00	3018.18	3044.27		3044.79	0.00	5.09	21995.28	1746.28	0.20
VerdeRiver	VerdeRiver	32287.80	ENCRCH	121155.00	3018.18	3044.83		3045.39	0.00	5.09	20859.69	1366.22	0.19
VerdeRiver	VerdeRiver	31895.43	100 YEAR	121155.00	3018.01	3044.00		3044.43	0.00	5.07	23047.08	1836.41	0.20
VerdeRiver	VerdeRiver	31895.43	ENCRCH	121155.00	3018.01	3044.53		3045.02	0.00	5.37	21512.19	1449.38	0.21

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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	31531.97	100 YEAR	121155.00	3017.69	3043.63		3044.07	0.00	4.84	23450.59	2176.83	0.18
VerdeRiver	VerdeRiver	31531.97	ENCRCH	121155.00	3017.69	3044.15		3044.65	0.00	4.91	22188.56	1563.66	0.19
VerdeRiver	VerdeRiver	31217.33	100 YEAR	121155.00	3015.94	3043.13		3043.65	0.00	6.56	22036.47	1966.36	0.25
VerdeRiver	VerdeRiver	31217.33	ENCRCH	121155.00	3015.94	3043.65		3044.22	0.00	6.65	20521.89	1429.84	0.25
VerdeRiver	VerdeRiver	30825.11	100 YEAR	121155.00	3015.34	3042.48		3043.15	0.00	7.66	22239.84	2080.27	0.28
VerdeRiver	VerdeRiver	30825.11	ENCRCH	121155.00	3015.34	3043.06		3043.74	0.00	7.58	21027.17	1484.15	0.27
VerdeRiver	VerdeRiver	30589.85	100 YEAR	121155.00	3014.43	3042.22		3042.79	0.00	7.06	21896.42	2088.50	0.26
VerdeRiver	VerdeRiver	30589.85	ENCRCH	121155.00	3014.43	3042.78		3043.40	0.00	7.13	20068.39	1392.17	0.26
VerdeRiver	VerdeRiver	30248.94	100 YEAR	121155.00	3014.09	3041.93		3042.50	0.00	6.96	23314.78	2236.46	0.25
VerdeRiver	VerdeRiver	30248.94	ENCRCH	121155.00	3014.09	3042.53		3043.11	0.00	6.94	21529.13	1508.12	0.25
VerdeRiver	VerdeRiver	29831.25	100 YEAR	121155.00	3011.48	3041.56		3042.22	0.00	7.30	22651.59	2264.83	0.26
VerdeRiver	VerdeRiver	29831.25	ENCRCH	121155.00	3011.48	3042.16		3042.83	0.00	7.24	20912.02	1492.20	0.25
VerdeRiver	VerdeRiver	28931.14	100 YEAR	121155.00	3010.24	3040.68		3041.27	0.00	7.71	21518.17	2457.79	0.26
VerdeRiver	VerdeRiver	28931.14	ENCRCH	121155.00	3010.24	3041.24		3041.88	0.00	7.58	19719.86	1575.47	0.26
VerdeRiver	VerdeRiver	28414.06	100 YEAR	121155.00	3010.41	3039.57		3040.52	0.00	9.45	19819.08	2410.13	0.33
VerdeRiver	VerdeRiver	28414.06	ENCRCH	121155.00	3010.41	3040.26		3041.16	0.00	9.07	18639.16	1534.35	0.31
VerdeRiver	VerdeRiver	28054.16	100 YEAR	121155.00	3010.80	3038.93		3039.80	0.00	9.16	18805.12	2284.30	0.32
VerdeRiver	VerdeRiver	28054.16	ENCRCH	121155.00	3010.80	3039.52		3040.45	0.00	9.10	16807.46	1442.00	0.31
VerdeRiver	VerdeRiver	27603.03	100 YEAR	121155.00	3009.95	3038.02	3030.05	3038.82	0.00	7.88	17499.40	2136.66	0.28
VerdeRiver	VerdeRiver	27603.03	ENCRCH	121155.00	3009.95	3038.44	3030.05	3039.40	0.00	7.85	15370.01	1237.30	0.28
VerdeRiver	VerdeRiver	27244.60	100 YEAR	121155.00	3009.95	3036.90	3028.55	3037.84	0.00	8.26	15897.58	1897.72	0.30
VerdeRiver	VerdeRiver	27244.60	ENCRCH	121155.00	3009.95	3037.19	3028.53	3038.33	0.00	8.47	14154.50	1089.43	0.30
VerdeRiver	VerdeRiver	26902.70	100 YEAR	121155.00	3009.91	3035.72	3027.45	3036.77	0.00	8.76	15170.37	1727.52	0.33
VerdeRiver	VerdeRiver	26902.70	ENCRCH	121155.00	3009.91	3036.01	3027.37	3037.19	0.00	8.87	13919.64	1065.27	0.33
VerdeRiver	VerdeRiver	26588.77	100 YEAR	121155.00	3008.41	3034.04	3027.07	3035.44	0.01	9.69	13191.23	1328.79	0.37
VerdeRiver	VerdeRiver	26588.77	ENCRCH	121155.00	3008.41	3034.48	3027.06	3035.89	0.01	9.45	13156.76	950.90	0.35
VerdeRiver	VerdeRiver	26336.00	100 YEAR	121155.00	3007.48	3033.02		3034.06	0.00	9.26	16037.57	2985.42	0.35
VerdeRiver	VerdeRiver	26336.00	ENCRCH	121155.00	3007.48	3033.22		3034.60	0.01	10.04	13377.08	847.18	0.38
VerdeRiver	VerdeRiver	25933.97	100 YEAR	121155.00	3006.76	3032.02		3033.02	0.00	9.35	16304.39	2477.89	0.36
VerdeRiver	VerdeRiver	25933.97	ENCRCH	121155.00	3006.76	3032.50		3033.67	0.00	7.70	14328.98	910.93	0.29
VerdeRiver	VerdeRiver	25614.47	100 YEAR	121155.00	3006.76	3031.29	3025.28	3032.12	0.00	8.83	17897.76	2768.03	0.34
VerdeRiver	VerdeRiver	25614.47	ENCRCH	121155.00	3006.76	3031.94	3025.27	3032.93	0.00	8.89	15408.08	1072.69	0.34
VerdeRiver	VerdeRiver	25233.13	100 YEAR	121155.00	3006.76	3030.14	3025.54	3030.98	0.00	9.52	19704.87	3007.17	0.37
VerdeRiver	VerdeRiver	25233.13	ENCRCH	121155.00	3006.76	3030.82	3025.56	3031.77	0.00	9.50	16782.23	1296.52	0.36
VerdeRiver	VerdeRiver	24840.10	100 YEAR	121155.00	3006.76	3029.51	3024.69	3030.31	0.00	9.58	20251.68	3076.10	0.37
VerdeRiver	VerdeRiver	24840.10	ENCRCH	121155.00	3006.76	3030.23	3024.32	3031.08	0.00	9.32	17792.48	1407.32	0.35

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	24557.45	100 YEAR	121155.00	3006.76	3029.00	3024.32	3029.73	0.00	9.30	21121.76	3067.16	0.36
VerdeRiver	VerdeRiver	24557.45	ENCRCH	121155.00	3006.76	3029.73	3024.23	3030.52	0.00	9.11	18825.68	1553.68	0.35
VerdeRiver	VerdeRiver	24201.12	100 YEAR	121155.00	3006.76	3027.93	3023.81	3029.08	0.00	11.65	20991.10	2939.77	0.46
VerdeRiver	VerdeRiver	24201.12	ENCRCH	121155.00	3006.76	3028.94	3023.80	3029.98	0.00	10.95	20302.99	1762.87	0.42
VerdeRiver	VerdeRiver	23758.81	100 YEAR	121155.00	3005.60	3027.81	3019.98	3028.26	0.00	6.61	25315.77	3322.98	0.26
VerdeRiver	VerdeRiver	23758.81	ENCRCH	121155.00	3005.60	3028.63	3019.94	3029.24	0.00	7.28	20983.24	1980.95	0.28
VerdeRiver	VerdeRiver	23338.44	100 YEAR	121155.00	3003.74	3027.12	3018.14	3027.54	0.00	5.48	23598.65	3746.71	0.22
VerdeRiver	VerdeRiver	23338.44	ENCRCH	121155.00	3003.74	3027.87	3017.73	3028.41	0.00	5.92	20468.26	2217.11	0.23
VerdeRiver	VerdeRiver	22957.25	100 YEAR	121155.00	3001.91	3026.53	3019.10	3026.89	0.00	5.44	26223.43	3955.17	0.22
VerdeRiver	VerdeRiver	22957.25	ENCRCH	121155.00	3001.91	3027.19	3018.29	3027.65	0.00	5.96	22776.62	2320.17	0.24
VerdeRiver	VerdeRiver	22671.91	100 YEAR	121155.00	3001.77	3026.00	3017.75	3026.42	0.00	5.88	25052.01	3644.19	0.23
VerdeRiver	VerdeRiver	22671.91	ENCRCH	121155.00	3001.77	3026.60	3017.24	3027.10	0.00	6.29	22388.65	2436.23	0.25
VerdeRiver	VerdeRiver	22322.48	100 YEAR	121155.00	3001.82	3025.57	3017.12	3025.87	0.00	4.55	27688.83	3351.49	0.18
VerdeRiver	VerdeRiver	22322.48	ENCRCH	121155.00	3001.82	3026.18	3017.07	3026.51	0.00	4.71	26437.71	2468.04	0.19
VerdeRiver	VerdeRiver	22131.87	100 YEAR	121155.00	3001.60	3025.39		3025.68	0.00	4.80	28718.24	3210.42	0.19
VerdeRiver	VerdeRiver	22131.87	ENCRCH	121155.00	3001.60	3026.00		3026.31	0.00	4.94	27822.01	2413.56	0.19
VerdeRiver	VerdeRiver	21941.61	100 YEAR	121155.00	3000.11	3025.15		3025.51	0.00	4.87	25187.42	3032.79	0.20
VerdeRiver	VerdeRiver	21941.61	ENCRCH	121155.00	3000.11	3025.76		3026.13	0.00	5.02	24924.42	2283.01	0.20
VerdeRiver	VerdeRiver	21673.52	100 YEAR	121155.00	2998.74	3024.82		3025.24	0.00	5.88	24701.95	2790.30	0.22
VerdeRiver	VerdeRiver	21673.52	ENCRCH	121155.00	2998.74	3025.42		3025.85	0.00	5.89	24480.55	2164.97	0.22
VerdeRiver	VerdeRiver	21196.46	100 YEAR	121155.00	2996.63	3024.19	3016.43	3024.77	0.00	7.44	21488.92	2546.17	0.28
VerdeRiver	VerdeRiver	21196.46	ENCRCH	121155.00	2996.63	3024.79	3016.46	3025.38	0.00	7.37	21077.93	1913.01	0.27
VerdeRiver	VerdeRiver	20712.48	100 YEAR	122599.40	2996.79	3023.77		3024.32	0.00	7.66	22951.58	2171.30	0.28
VerdeRiver	VerdeRiver	20712.48	ENCRCH	122599.40	2996.79	3024.38		3024.93	0.00	7.41	22021.59	1524.82	0.27
VerdeRiver	VerdeRiver	20293.12	100 YEAR	124043.80	2995.95	3022.51		3023.72	0.00	10.18	16222.58	1558.01	0.39
VerdeRiver	VerdeRiver	20293.12	ENCRCH	124043.80	2995.95	3023.14		3024.35	0.00	9.98	15288.98	1025.07	0.37
VerdeRiver	VerdeRiver	19947.81	100 YEAR	129099.20	2995.67	3021.57	3015.10	3022.90	0.00	10.45	16012.69	1491.02	0.39
VerdeRiver	VerdeRiver	19947.81	ENCRCH	129099.20	2995.67	3022.21	3015.08	3023.56	0.00	10.16	14518.59	877.70	0.38
VerdeRiver	VerdeRiver	19326.83	100 YEAR	134154.60	2993.85	3019.00		3020.66	0.01	11.66	14142.87	2307.65	0.45
VerdeRiver	VerdeRiver	19326.83	ENCRCH	134154.60	2993.85	3019.88		3021.54	0.01	10.98	13109.77	915.35	0.42
VerdeRiver	VerdeRiver	19010.64	100 YEAR	135599.00	2994.19	3018.50		3019.21	0.00	7.51	20756.06	2616.06	0.30
VerdeRiver	VerdeRiver	19010.64	ENCRCH	135599.00	2994.19	3018.89		3020.19	0.00	9.12	14846.45	941.94	0.36
VerdeRiver	VerdeRiver	18510.23	100 YEAR	135599.00	2992.59	3016.93		3018.25	0.00	10.54	18301.46	2957.94	0.44
VerdeRiver	VerdeRiver	18510.23	ENCRCH	135599.00	2992.59	3017.40		3019.01	0.00	11.14	14600.84	1018.01	0.45
VerdeRiver	VerdeRiver	17921.08	100 YEAR	135599.00	2992.19	3015.34	3011.17	3016.96	0.00	11.74	16654.20	3436.28	0.48

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
ENCRCH = Floodway

River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	17921.08	ENCRCH	135599.00	2992.19	3015.60		3017.58	0.00	12.46	13455.76	1043.35	0.51
VerdeRiver	VerdeRiver	17404.51	100 YEAR	135599.00	2991.91	3013.16	3009.29	3015.48	0.00	12.81	12960.16	3280.36	0.57
VerdeRiver	VerdeRiver	17404.51	ENCRCH	135599.00	2991.91	3014.13		3016.20	0.00	12.01	12400.80	1147.05	0.52
VerdeRiver	VerdeRiver	17000.26	100 YEAR	135599.00	2988.94	3012.57		3014.22	0.00	11.28	16249.35	4472.89	0.49
VerdeRiver	VerdeRiver	17000.26	ENCRCH	135599.00	2988.94	3013.41		3015.17	0.00	11.27	13731.19	1347.31	0.48
VerdeRiver	VerdeRiver	16626.20	100 YEAR	135599.00	2988.94	3012.02		3013.26	0.00	10.22	18503.06	4438.10	0.44
VerdeRiver	VerdeRiver	16626.20	ENCRCH	135599.00	2988.94	3012.79		3014.29	0.00	10.71	15035.04	1582.61	0.45
VerdeRiver	VerdeRiver	16245.61	100 YEAR	135599.00	2988.94	3011.24		3012.48	0.00	10.52	18603.05	4270.19	0.44
VerdeRiver	VerdeRiver	16245.61	ENCRCH	135599.00	2988.94	3011.98		3013.48	0.00	11.05	15635.08	1882.10	0.45
VerdeRiver	VerdeRiver	15768.70	100 YEAR	135599.00	2988.94	3010.66		3011.36	0.00	8.02	22478.09	3918.87	0.33
VerdeRiver	VerdeRiver	15768.70	ENCRCH	135599.00	2988.94	3011.30		3012.25	0.00	8.96	18353.73	2175.05	0.36
VerdeRiver	VerdeRiver	15292.91	100 YEAR	135599.00	2986.78	3010.06		3010.75	0.00	8.08	23944.07	3303.44	0.34
VerdeRiver	VerdeRiver	15292.91	ENCRCH	135599.00	2986.78	3010.61		3011.52	0.00	8.94	20468.70	2340.07	0.37
VerdeRiver	VerdeRiver	15003.00	100 YEAR	135599.00	2986.21	3009.81		3010.50	0.00	8.12	24463.31	3162.43	0.34
VerdeRiver	VerdeRiver	15003.00	ENCRCH	135599.00	2986.21	3010.39		3011.20	0.00	8.53	21754.03	2426.48	0.35
VerdeRiver	VerdeRiver	14663.14	100 YEAR	135599.00	2983.22	3009.55		3010.26	0.00	8.38	25056.59	3209.89	0.31
VerdeRiver	VerdeRiver	14663.14	ENCRCH	135599.00	2983.22	3010.20		3010.93	0.00	8.31	23506.35	2481.61	0.31
VerdeRiver	VerdeRiver	14237.27	100 YEAR	135599.00	2983.17	3009.39		3009.94	0.00	7.62	26536.30	3193.57	0.29
VerdeRiver	VerdeRiver	14237.27	ENCRCH	135599.00	2983.17	3010.02		3010.59	0.00	7.55	24864.48	2599.50	0.28
VerdeRiver	VerdeRiver	13749.83	100 YEAR	135599.00	2982.14	3009.12		3009.65	0.00	7.95	25879.48	3124.08	0.30
VerdeRiver	VerdeRiver	13749.83	ENCRCH	135599.00	2982.14	3009.71		3010.27	0.00	7.86	24279.15	2554.67	0.29
VerdeRiver	VerdeRiver	13295.00	100 YEAR	135599.00	2982.14	3008.81		3009.33	0.00	7.33	25319.13	3067.00	0.27
VerdeRiver	VerdeRiver	13295.00	ENCRCH	135599.00	2982.14	3009.32		3009.91	0.00	7.62	23384.87	2493.80	0.28
VerdeRiver	VerdeRiver	12889.37	100 YEAR	135599.00	2982.14	3007.96		3008.83	0.00	9.43	24189.36	2816.12	0.35
VerdeRiver	VerdeRiver	12889.37	ENCRCH	135599.00	2982.14	3008.47		3009.38	0.00	9.44	22559.85	2300.74	0.35
VerdeRiver	VerdeRiver	12561.79	100 YEAR	135599.00	2979.83	3007.82		3008.31	0.00	6.62	26298.79	2806.48	0.25
VerdeRiver	VerdeRiver	12561.79	ENCRCH	135599.00	2979.83	3008.33		3008.85	0.00	6.69	25130.86	2285.12	0.25
VerdeRiver	VerdeRiver	12272.02	100 YEAR	135599.00	2979.60	3007.26		3007.91	0.00	7.69	24435.74	2544.04	0.30
VerdeRiver	VerdeRiver	12272.02	ENCRCH	135599.00	2979.60	3007.75		3008.44	0.00	7.78	23071.20	2037.50	0.30
VerdeRiver	VerdeRiver	11811.99	100 YEAR	135599.00	2979.60	3006.60		3007.28	0.00	7.73	23108.64	2288.10	0.30
VerdeRiver	VerdeRiver	11811.99	ENCRCH	135599.00	2979.60	3007.07		3007.80	0.00	7.84	21845.26	1837.29	0.30
VerdeRiver	VerdeRiver	11489.68	100 YEAR	135599.00	2979.60	3006.12		3006.77	0.00	7.44	23260.15	2249.28	0.29
VerdeRiver	VerdeRiver	11489.68	ENCRCH	135599.00	2979.60	3006.58		3007.27	0.00	7.55	21892.64	1679.44	0.29
VerdeRiver	VerdeRiver	11094.83	100 YEAR	135599.00	2979.15	3005.52		3006.23	0.00	7.76	22296.75	1983.77	0.30
VerdeRiver	VerdeRiver	11094.83	ENCRCH	135599.00	2979.15	3005.96		3006.72	0.00	7.88	21376.01	1620.12	0.30

**Table 5.9.2.5
HEC-RAS OUTPUT
FLOODWAY AND FLOODPLAIN**

100-YEAR = Floodplain
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	10703.42	100 YEAR	135599.00	2979.09	3004.98		3005.60	0.00	6.90	21711.29	1876.42	0.26
VerdeRiver	VerdeRiver	10703.42	ENCRCH	135599.00	2979.09	3005.41		3006.08	0.00	7.05	20803.68	1535.86	0.27
VerdeRiver	VerdeRiver	10155.36	100 YEAR	135599.00	2976.83	3003.81		3004.51	0.00	7.26	20814.08	1874.33	0.27
VerdeRiver	VerdeRiver	10155.36	ENCRCH	135599.00	2976.83	3004.16		3004.95	0.00	7.44	19085.13	1208.90	0.28
VerdeRiver	VerdeRiver	9759.63	100 YEAR	135599.00	2976.83	3003.08		3003.80	0.00	7.22	20099.15	1751.11	0.27
VerdeRiver	VerdeRiver	9759.63	ENCRCH	135599.00	2976.83	3003.37		3004.21	0.00	7.44	18492.85	1188.45	0.28
VerdeRiver	VerdeRiver	9353.37	100 YEAR	135599.00	2976.83	3002.18		3003.02	0.00	7.46	19031.47	1789.55	0.29
VerdeRiver	VerdeRiver	9353.37	ENCRCH	135599.00	2976.83	3002.43		3003.40	0.00	7.73	17779.01	1146.44	0.30
VerdeRiver	VerdeRiver	8918.82	100 YEAR	135599.00	2976.75	3001.73		3002.28	0.00	5.90	23536.54	2137.97	0.23
VerdeRiver	VerdeRiver	8918.82	ENCRCH	135599.00	2976.75	3001.94		3002.61	0.00	6.13	21468.46	1430.98	0.24
VerdeRiver	VerdeRiver	8440.84	100 YEAR	135599.00	2976.05	3001.52		3001.90	0.00	5.48	29662.40	2595.84	0.20
VerdeRiver	VerdeRiver	8440.84	ENCRCH	135599.00	2976.05	3001.75		3002.20	0.00	5.67	27102.63	1678.76	0.21
VerdeRiver	VerdeRiver	7931.42	100 YEAR	135599.00	2975.22	3001.38		3001.70	0.00	5.37	34321.60	3039.65	0.20
VerdeRiver	VerdeRiver	7931.42	ENCRCH	135599.00	2975.22	3001.61		3001.99	0.00	5.55	31067.52	2008.60	0.20
VerdeRiver	VerdeRiver	7573.39	100 YEAR	135599.00	2975.37	3001.33		3001.58	0.00	4.94	37278.93	3301.06	0.18
VerdeRiver	VerdeRiver	7573.39	ENCRCH	135599.00	2975.37	3001.56		3001.86	0.00	5.11	33860.23	2177.90	0.19
VerdeRiver	VerdeRiver	7163.09	100 YEAR	135599.00	2974.56	3001.26		3001.47	0.00	4.24	39492.18	3398.25	0.15
VerdeRiver	VerdeRiver	7163.09	ENCRCH	135599.00	2974.56	3001.48		3001.75	0.00	4.53	33934.02	2161.81	0.16
VerdeRiver	VerdeRiver	6668.65	100 YEAR	135599.00	2968.78	3001.02		3001.31	0.00	4.00	32051.39	3092.18	0.13
VerdeRiver	VerdeRiver	6668.65	ENCRCH	135599.00	2968.78	3001.25		3001.59	0.00	4.07	29932.45	1996.27	0.14

**Table 5.9.2.5
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River	Reach	River Sta	Profile #	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
VerdeRiver	VerdeRiver	6235.18	100 YEAR	135599.00	2966.89	3000.58		3001.09	0.00	7.56	27550.18	2643.75	0.24
VerdeRiver	VerdeRiver	6235.18	ENCRCH	135599.00	2966.89	3000.81		3001.36	0.00	7.68	25517.23	1834.70	0.24
VerdeRiver	VerdeRiver	5779.03	100 YEAR	135599.00	2966.32	3000.04		3000.73	0.00	7.69	23075.98	2389.05	0.25
VerdeRiver	VerdeRiver	5779.03	ENCRCH	135599.00	2966.32	3000.21		3000.98	0.00	7.99	21280.45	1700.97	0.26
VerdeRiver	VerdeRiver	5275.38	100 YEAR	135599.00	2965.74	2999.10		3000.09	0.00	8.64	19977.94	2091.67	0.28
VerdeRiver	VerdeRiver	5275.38	ENCRCH	135599.00	2965.74	2999.28		3000.32	0.00	8.77	19012.70	1538.39	0.28
VerdeRiver	VerdeRiver	4896.46	100 YEAR	135599.00	2965.69	2995.78		2998.98	0.00	15.44	11466.70	972.84	0.52
VerdeRiver	VerdeRiver	4896.46	ENCRCH	135599.00	2965.69	2996.36		2999.29	0.00	14.89	12052.40	1062.72	0.50
VerdeRiver	VerdeRiver	4403.22	100 YEAR	135599.00	2965.63	2994.55		2996.39	0.00	12.02	13995.80	1118.49	0.41
VerdeRiver	VerdeRiver	4403.22	ENCRCH	135599.00	2965.63	2995.29		2996.92	0.00	11.40	14706.34	1072.80	0.39
VerdeRiver	VerdeRiver	3908.16	100 YEAR	135599.00	2965.66	2993.59		2994.74	0.00	8.96	16172.40	1389.79	0.32
VerdeRiver	VerdeRiver	3908.16	ENCRCH	135599.00	2965.66	2994.32		2995.46	0.00	8.82	15899.52	937.80	0.31
VerdeRiver	VerdeRiver	3574.73	100 YEAR	135599.00	2961.96	2993.09		2994.22	0.00	9.55	17303.64	1806.47	0.32
VerdeRiver	VerdeRiver	3574.73	ENCRCH	135599.00	2961.96	2993.80		2994.96	0.00	9.55	16851.85	906.69	0.32
VerdeRiver	VerdeRiver	3079.99	100 YEAR	135599.00	2960.78	2992.61		2993.57	0.00	8.98	18257.09	1601.11	0.30
VerdeRiver	VerdeRiver	3079.99	ENCRCH	135599.00	2960.78	2993.34		2994.33	0.00	8.97	17691.35	854.12	0.29
VerdeRiver	VerdeRiver	2604.07	100 YEAR	135599.00	2960.78	2992.29		2992.94	0.00	7.36	22020.07	1786.39	0.25
VerdeRiver	VerdeRiver	2604.07	ENCRCH	135599.00	2960.78	2993.03		2993.71	0.00	7.34	21292.32	1050.31	0.24
VerdeRiver	VerdeRiver	2218.25	100 YEAR	135599.00	2959.74	2992.09		2992.66	0.00	6.66	22827.76	1810.11	0.21
VerdeRiver	VerdeRiver	2218.25	ENCRCH	135599.00	2959.74	2992.84		2993.43	0.00	6.34	21994.97	1082.29	0.20
VerdeRiver	VerdeRiver	1692.83	100 YEAR	135599.00	2956.46	2991.70		2992.33	0.00	7.51	23716.09	1851.59	0.24
VerdeRiver	VerdeRiver	1692.83	ENCRCH	135599.00	2956.46	2992.47		2993.11	0.00	7.44	22747.74	1079.38	0.24
VerdeRiver	VerdeRiver	1254.99	100 YEAR	135599.00	2955.19	2991.18		2992.07	0.00	8.80	19130.39	1715.97	0.28
VerdeRiver	VerdeRiver	1254.99	ENCRCH	135599.00	2955.19	2992.02		2992.85	0.00	8.25	19030.19	917.04	0.26
VerdeRiver	VerdeRiver	906.25	100 YEAR	135599.00	2954.89	2990.56		2991.73	0.00	10.07	17722.22	1567.48	0.31
VerdeRiver	VerdeRiver	906.25	ENCRCH	135599.00	2954.89	2991.36		2992.50	0.00	9.69	16833.02	793.41	0.30
VerdeRiver	VerdeRiver	671.51	100 YEAR	135599.00	2954.71	2990.06		2991.40	0.00	10.05	15638.60	1424.20	0.32
VerdeRiver	VerdeRiver	671.51	ENCRCH	135599.00	2954.71	2990.79		2992.14	0.00	9.90	14914.25	666.35	0.31
VerdeRiver	VerdeRiver	454.95	100 YEAR	135599.00	2954.18	2988.44		2990.83	0.00	12.92	11597.26	941.27	0.41
VerdeRiver	VerdeRiver	454.95	ENCRCH	135599.00	2954.18	2989.26		2991.56	0.00	12.63	11552.46	501.34	0.40
VerdeRiver	VerdeRiver	339.02	100 YEAR	135599.00	2952.82	2988.44		2990.19	0.00	11.05	13779.26	1009.77	0.35
VerdeRiver	VerdeRiver	339.02	ENCRCH	135599.00	2952.82	2989.20		2990.99	0.00	11.06	13172.59	526.37	0.35
VerdeRiver	VerdeRiver	125.25	100 YEAR	135599.00	2952.84	2987.27		2989.45	0.00	12.35	11943.57	559.53	0.41
VerdeRiver	VerdeRiver	125.25	ENCRCH	135599.00	2952.84	2988.05		2990.27	0.00	12.37	11737.72	421.65	0.40
VerdeRiver	VerdeRiver	2.86	100 YEAR	135599.00	2952.09	2986.69	2975.53	2988.91	0.00	12.59	11833.92	587.94	0.41
VerdeRiver	VerdeRiver	2.86	ENCRCH	135599.00	2952.09	2987.39	2975.61	2989.73	0.00	12.79	11481.41	426.96	0.41