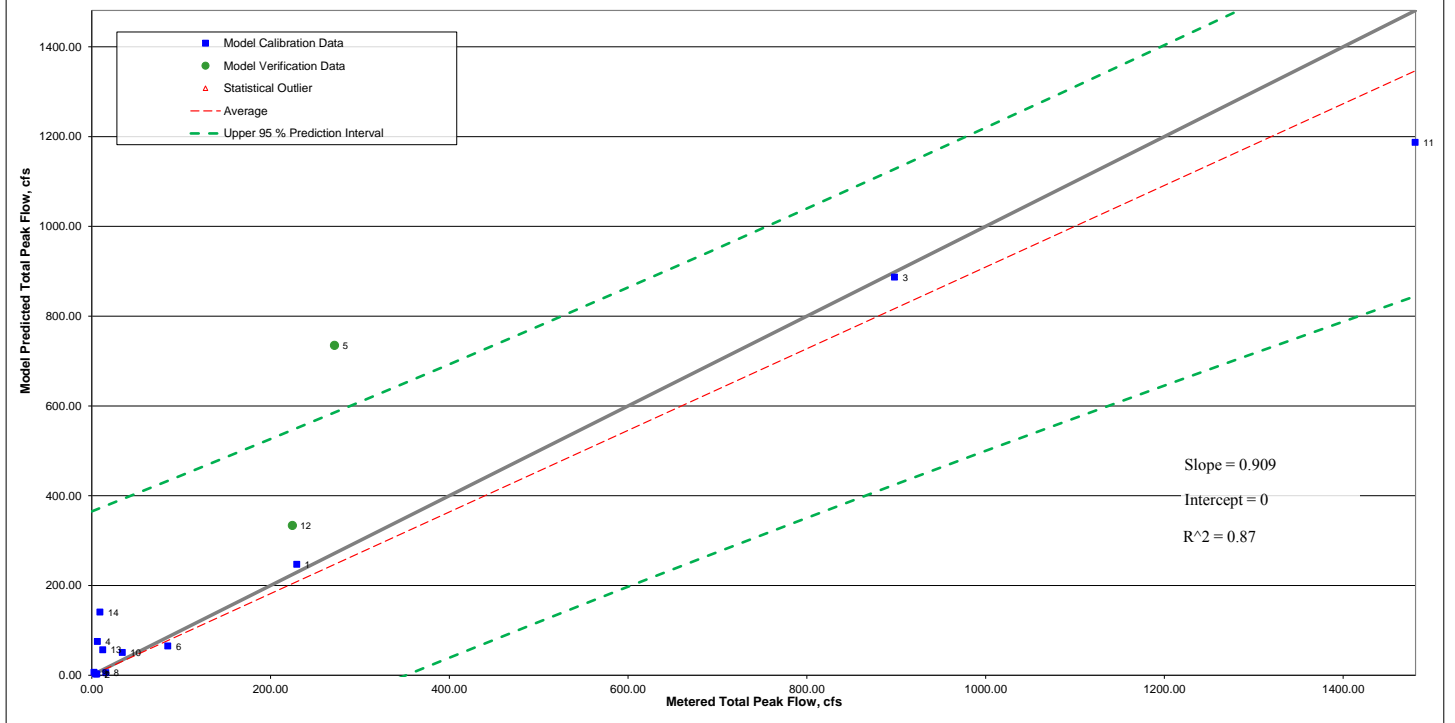


APPENDIX B: HYDRAULIC MODEL CALIBRATION RESULTS

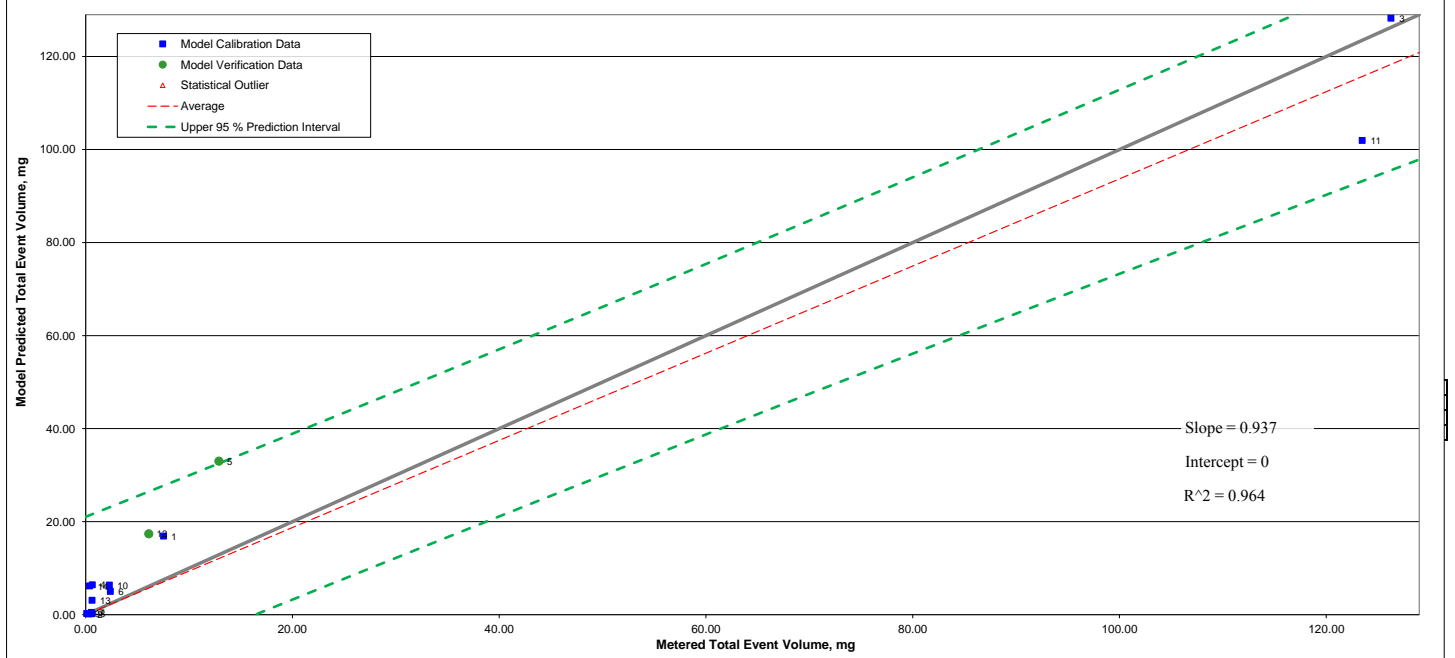
Frayser School: Hydraulic Model Validation Results

Event ID	Event Date	Rainfall (in)	Duration (hr)	Peak Hour Intensity (in/hr)	Avg. DWF (cfs)	Total Peak Flow (cfs)	Wet Weather Flow (cfs)	Total Volume (mg)	Wet Weather Volume (mg)	Percent Capture	Model Average DWF (cfs)	Model Total Peak Flow (cfs)	Model Wet Weather Peak Flow (cfs)	Model Total Volume (mg)	Model Wet Weather Volume (mg)	Model Percent Capture
1	6/24/14	0.87	27.50	0.35	0.00	229.23	238.98	7.53	7.83	55.0%	0.00	247.28	0.00	16.92	0.00	0.0%
2	6/25/14	0.08	4.50	0.06	0.00	5.56	6.01	0.36	0.33	25.4%	0.00	3.01	0.00	0.18	0.00	0.0%
3	6/28/14	5.65	37.25	1.51	0.00	898.01	910.76	126.26	130.09	141.3%	0.00	887.04	0.00	128.26	0.00	0.0%
4	7/1/14	0.23	9.25	0.30	0.00	6.29	7.01	0.64	0.53	14.1%	0.00	75.46	0.00	6.45	0.00	0.0%
5	7/8/14	1.62	9.75	1.29	0.00	271.48	281.21	12.88	13.32	50.4%	0.00	734.94	0.00	33.03	0.00	0.0%
6	7/14/14	0.23	5.00	0.28	0.00	85.06	90.18	2.38	2.40	64.0%	0.00	65.33	0.00	5.03	0.00	0.0%
7	7/17/14	0.17	14.50	0.06	0.00	4.20	3.09	0.55	0.63	23.3%	0.00	3.10	0.00	0.52	0.00	0.0%
8	8/7/14	0.10	2.50	0.10	0.00	15.65	17.75	0.60	0.65	42.0%	0.00	5.65	0.00	0.25	0.00	0.0%
9	8/8/14	0.03	2.00	0.10	0.00	2.52	1.00	0.09	0.07	13.3%	0.00	6.73	0.00	0.27	0.00	0.0%
10	8/30/14	0.61	28.00	0.14	0.00	34.11	36.97	2.29	2.30	23.2%	0.00	50.87	0.00	6.38	0.00	0.0%
11	9/11/14	6.11	12.75	2.80	0.00	1480.48	1763.21	123.48	132.54	133.2%	0.00	1187.19	0.00	101.96	0.00	0.0%
12	10/2/14	0.89	11.25	0.61	0.00	224.36	233.97	6.09	6.39	44.0%	0.00	333.88	0.00	17.42	0.00	0.0%
13	10/6/14	0.24	3.25	0.21	0.00	12.17	13.85	0.61	0.61	15.9%	0.00	56.98	0.00	3.13	0.00	0.0%
14	10/7/14	0.40	8.25	0.37	0.00	9.13	10.40	0.37	0.35	5.4%	0.00	141.09	0.00	6.19	0.00	0.0%

1:1 Comparison of Total Peak Flow Rates



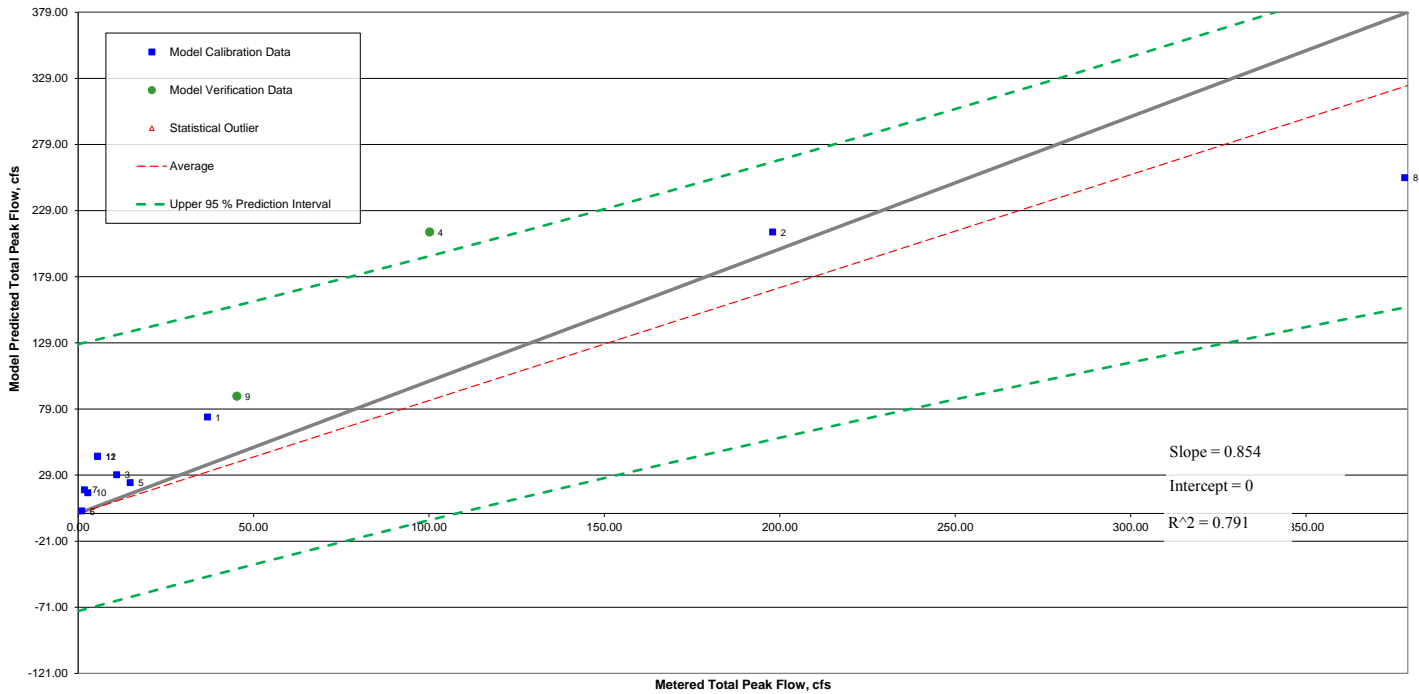
1:1 Comparison of Total Event Volumes



Steele Road: Hydraulic Model Validation Results

Event ID	Event Date	Rainfall (in)	Duration (hr)	Peak Hour Intensity (in/hr)	Avg. DWF (cfs)	Total Peak Flow (cfs)	Wet Weather Flow (cfs)	Total Volume (mg)	Wet Weather Volume (mg)	Percent Capture	Model Average DWF, (cfs)	Model Total Peak Flow, (cfs)	Model Wet Weather Peak Flow, (cfs)	Model Total Volume (mg)	Model Wet Weather Volume (mg)	Model Percent Capture
1	6/24/14	0.87	28.00	0.35	0.00	36.84	35.85	2.38	1.24	8.7%	0.00	72.87	0.00	2.67	0.00	0.0%
2	6/28/14	5.65	32.50	1.51	0.00	197.95	196.96	21.76	20.46	22.2%	0.00	212.81	0.00	20.64	0.00	0.0%
3	7/1/14	0.23	12.50	0.30	0.00	10.99	9.99	0.73	0.25	6.6%	0.00	29.19	0.00	1.01	0.00	0.0%
4	7/8/14	1.62	7.50	1.29	0.00	100.17	99.17	3.97	3.68	14.0%	0.00	212.74	0.00	5.44	0.00	0.0%
5	7/14/14	0.17	1.50	0.28	0.00	14.83	13.84	0.26	0.20	7.3%	0.00	23.27	0.00	0.55	0.00	0.0%
6	8/7/14	0.10	3.25	0.10	0.00	1.00	0.00	0.13	0.00	0.0%	0.00	1.81	0.00	0.08	0.00	0.0%
7	8/30/14	0.61	29.50	0.14	0.00	1.77	0.78	1.23	0.01	0.1%	0.00	17.82	0.00	1.03	0.00	0.0%
8	9/11/14	6.06	7.75	2.80	0.00	378.11	377.11	23.29	22.97	23.3%	0.00	253.92	0.00	26.33	0.00	0.0%
9	10/2/14	0.88	9.00	0.61	0.00	45.25	45.25	0.95	0.95	6.7%	0.00	88.61	0.00	2.72	0.00	0.0%
10	10/6/14	0.24	1.75	0.21	0.00	2.75	2.75	0.09	0.09	2.4%	0.00	15.57	0.00	0.47	0.00	0.0%
11	10/7/14	0.40	7.75	0.37	0.00	5.49	5.49	0.17	0.17	2.6%	0.00	43.14	0.00	1.04	0.00	0.0%
12	10/7/14	0.40	7.75	0.37	0.00	5.49	5.49	0.17	0.17	2.6%	0.00	43.14	0.00	1.04	0.00	0.0%

1:1 Comparison of Total Peak Flow Rates



1:1 Comparison of Total Event Volumes

