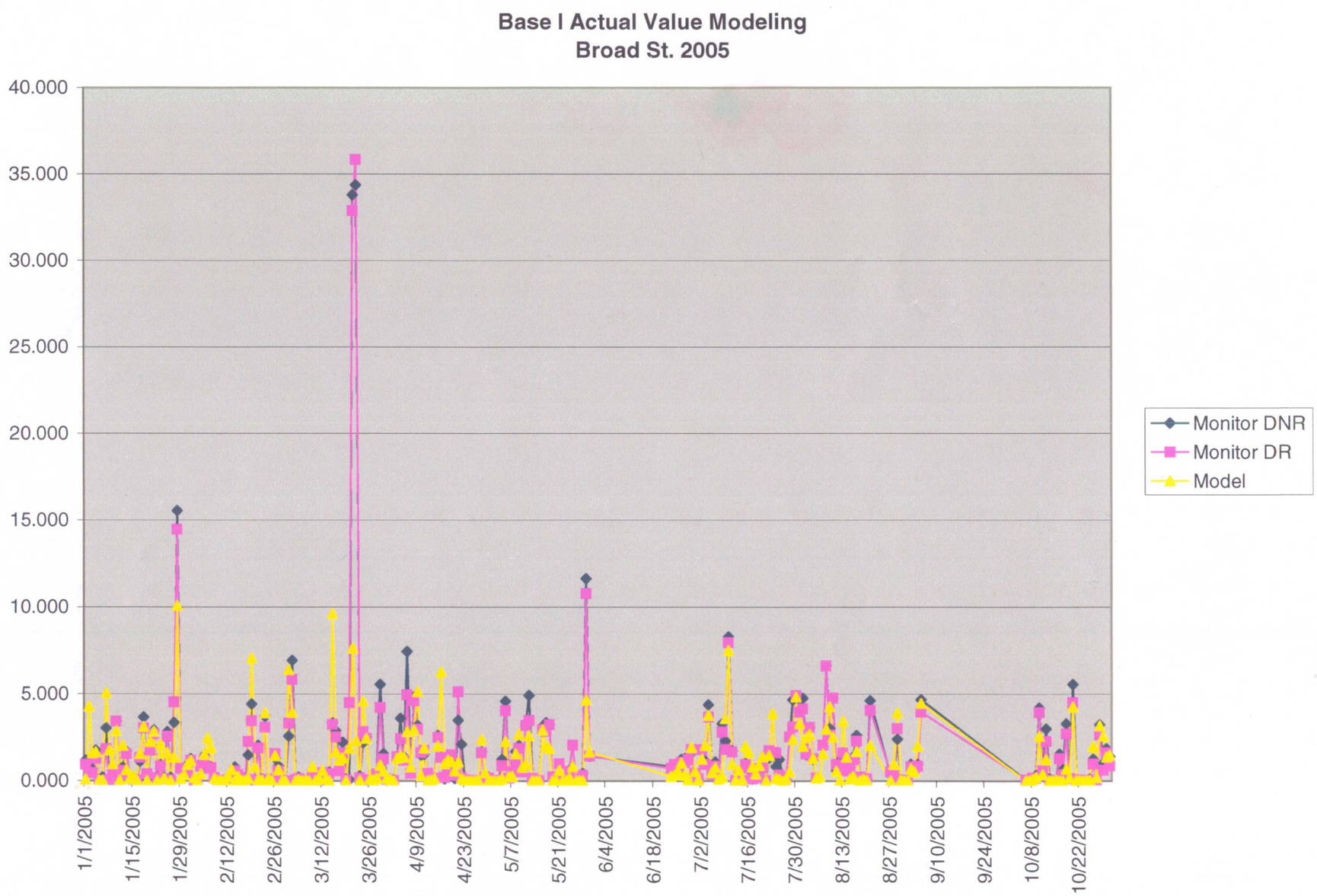
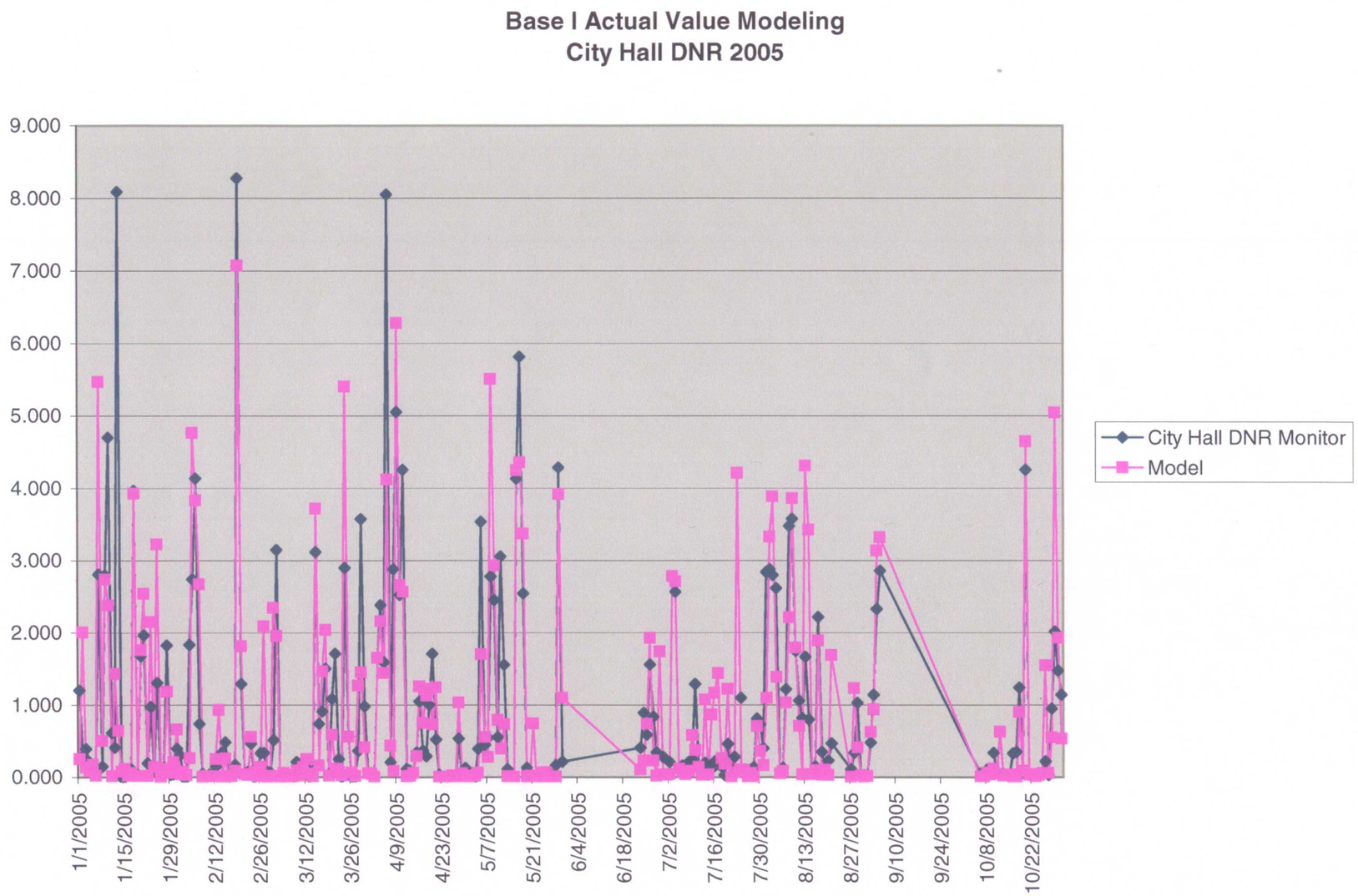
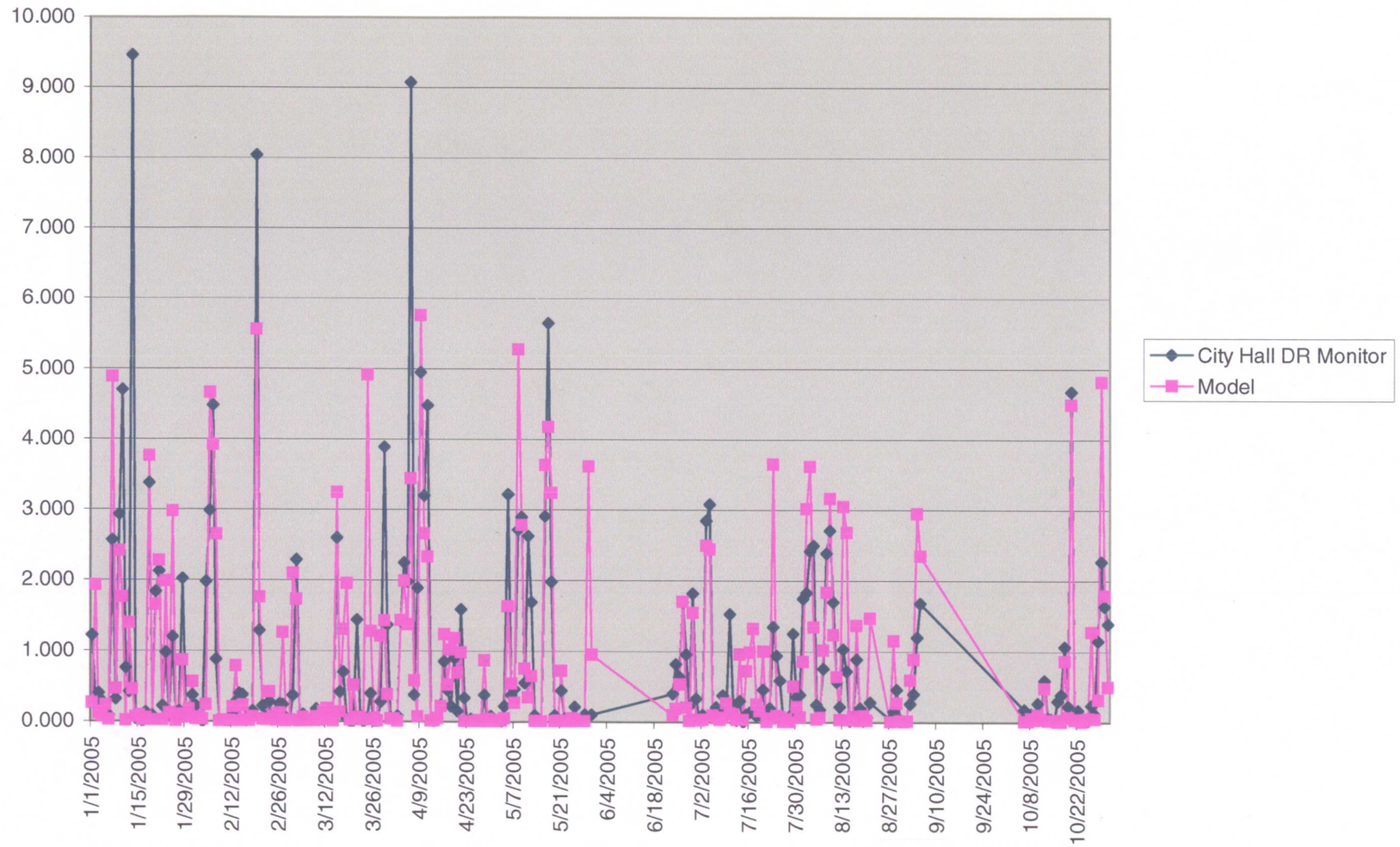
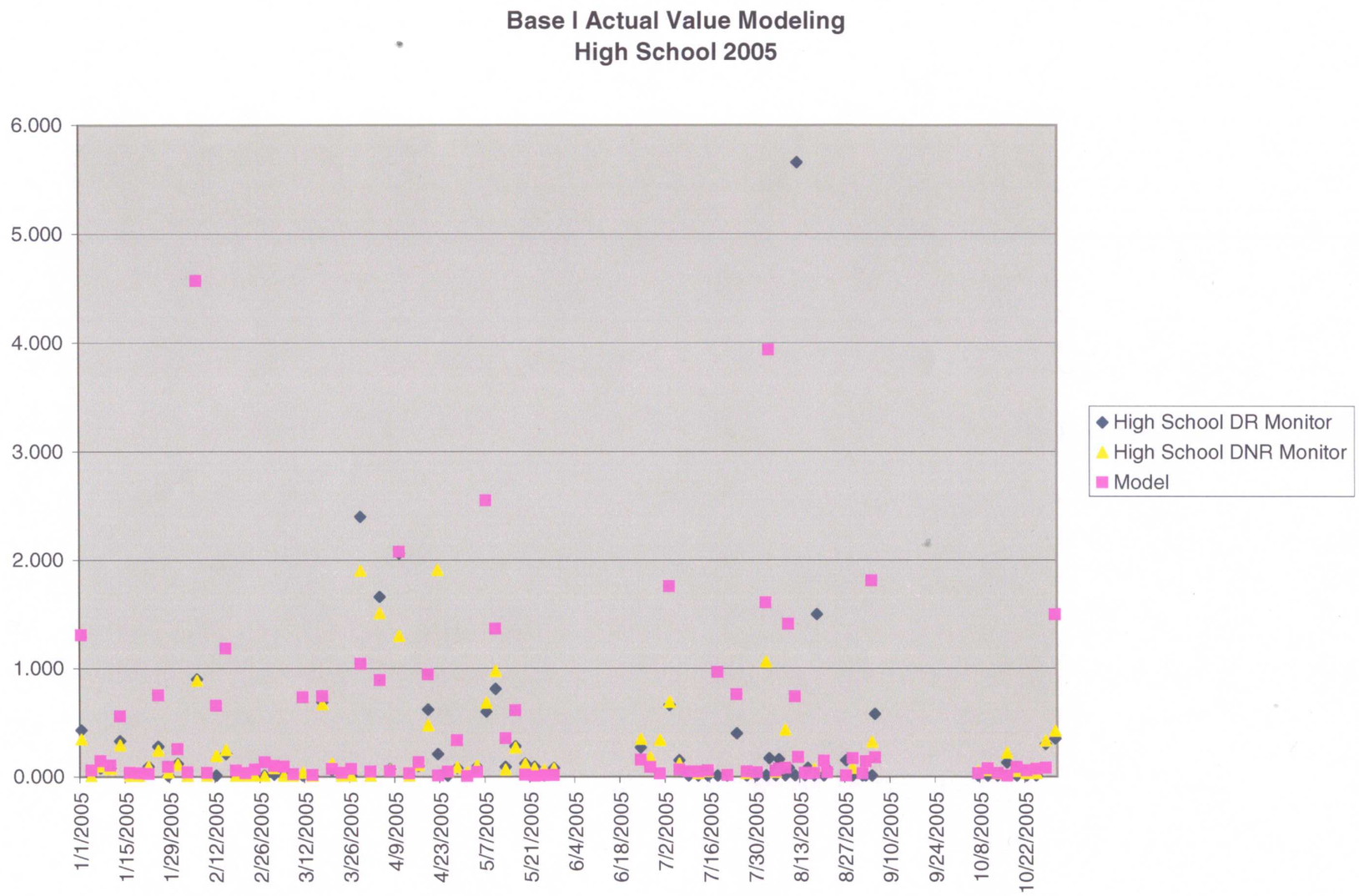
Appendix B

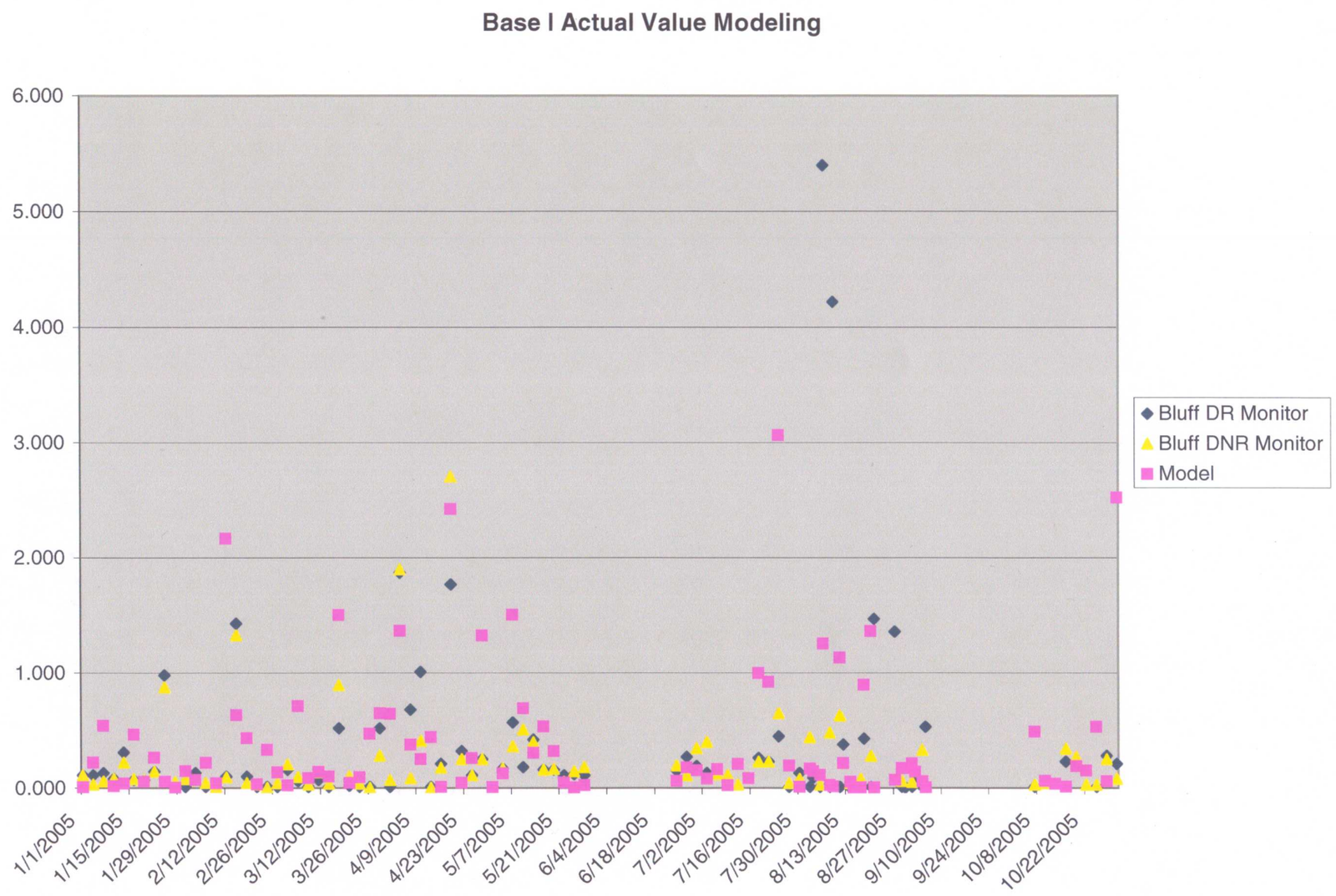

Base I Actual Value Modeling
Broad St. 2005
40.000
35.000
30.000
25.000
20.000
15.000
10.000
5.000
0.000
1/1/2005
1/15/2005
1/29/2005
2/12/2005
2/26/2005
3/12/2005
3/26/2005
4/9/2005
4/23/2005
5/7/2005
5/21/2005
6/4/2005
6/18/2005
7/2/2005
7/16/2005
7/30/2005
8/13/2005
8/27/2005
9/10/2005
9/24/2005
10/8/2005
10/22/2005
Monitor DNR
Monitor DR
Model


Base I Actual Value Modeling
City Hall DNR 2005
9.000
8.000
7.000
6.000
5.000
4.000
3.000
2.000
1.000
0.000
1/1/2005
1/15/2005
1/29/2005
2/12/2005
2/26/2005
3/12/2005
3/26/2005
4/9/2005
4/23/2005
5/7/2005
5/21/2005
6/4/2005
6/18/2005
7/2/2005
7/16/2005
7/30/2005
8/13/2005
8/27/2005
9/10/2005
9/24/2005
10/8/2005
10/22/2005
City Hall DNR Monitor
Model

Base I Actual Value Modeling




Base I Actual Value Modeling
High School 2005
6.000
5.000
4.000
3.000
2.000
1.000
0.000
1/1/2005
1/15/2005
1/29/2005
2/12/2005
2/26/2005
3/12/2005
3/26/2005
4/9/2005
4/23/2005
5/7/2005
5/21/2005
6/4/2005
6/18/2005
7/2/2005
7/16/2005
7/30/2005
8/13/2005
8/27/2005
9/10/2005
9/24/2005
10/8/2005
10/22/2005
High School DR Monitor
High School DNR Monitor
Model


Base I Actual Value Modeling
6.000
5.000
4.000
3.000
2.000
1.000
0.000
1/1/2005
1/15/2005
1/29/2005
2/12/2005
2/26/2005
3/12/2005
3/26/2005
4/9/2005
4/23/2005
5/7/2005
5/21/2005
6/4/2005
6/18/2005
7/2/2005
7/16/2005
7/30/2005
8/13/2005
8/27/2005
9/10/2005
9/24/2005
10/8/2005
10/22/2005
Bluff DR Monitor
Bluff DNR Monitor
Model

CMB culpability vs. ISC-Prime culpability

	CMB	SINTER/TRESTLE	REFINERY	BLAST FURNACE	ROADS & YARD	DROSS
	City Hall1	20.28%	17.61%	25.33%	34.67%	2.12%
	City Hall2	15.95%	17.79%	28.16%	35.98%	2.12%
	Broad St.	16.89%	6.44%	40.15%	35.99%	0.52%
without 3/21 or 3/22	Broad St.	30.32%	11.60%	17.93%	39.07%	0.94%
	Disp Model	SINTER/TRESTLE	REFINERY	BLAST FURNACE	ROADS & YARD	DROSS
	City Hall	26.45%	19.20%	13.15%	31.64%	9.23%
	Broad St.	23.36%	15.10%	19.47%	31.00%	10.64%
without 3/21 or 3/22	Broad St.	23.60%	17.13%	15.72%	32.91%	10.15%

City Hall1 & 2 in the CMB analysis are presented due to a different valid fit for April 6, 2006.

Full Model Performance Statistics for 2005

	Main St. DNR	CITEALLi	Bias	Main St. DR	CITDALLi	Bias	HighSchDNR	HighSchDR	HSALLi	Bias w/ DNR sampler
1st Quarter Avg	**0.879**	**0.951**	8.2%	**0.818**	**0.866**	5.9%	**0.182**	**0.195**	**0.500**	174.2%
Jan Avg	1.118	1.103	-1.3%	1.177	0.994	-15.5%	0.119	0.132	0.370	212.6%
Feb Avg	0.797	0.962	20.8%	0.805	0.858	6.6%	0.148	0.130	0.816	451.1%
Mar Avg	0.714	0.789	10.5%	0.471	0.745	58.2%	0.283	0.323	0.357	26.1%
Apr Avg	1.165	1.042	-10.5%	1.168	0.951	-18.6%	0.550	0.483	0.521	-5.2%
May Avg	1.366	1.317	-3.6%	0.943	0.965	2.3%	0.245	0.218	0.561	128.5%
Jul Avg.	0.410	0.552	34.9%	0.985	0.581	-41.1%	0.187	0.141	0.296	58.2%
6/23- 8/21 Avg.	**0.846**	**0.952**	12.5%	**0.716**	**0.832**	16.3%	**0.248**	**0.374**	**0.356**	43.5%
10/6-11/1 Avg.	0.526	0.721	37.2%	0.575	0.647	12.5%	0.136	0.093	0.279	106.1%
All Model Avg.	0.917	0.982	7.0%	0.811	0.859	6.0%	0.247	0.265	0.467	88.9%

	Broad St. DR	Broad St. DNR	BRSTALLi	Bias w/ DNR sampler	Bluff-DR	Bluff-DNR	BLFALLi	Bias w/ DR sampler	Sherman	SHERALLi	Bias
1st Quarter Avg	**1.197**	**1.139**	**1.294**	13.7%	**0.174**	**0.176**	**0.386**	122.1%	**0.147**	**0.221**	50.1%
Jan Avg	1.618	1.473	1.611	9.4%	0.184	0.163	0.228	24.0%	0.010	0.018	76.2%
Feb Avg	0.764	0.696	0.900	29.3%	0.201	0.184	0.515	156.0%	0.178	0.267	49.7%
Mar Avg	3.288	3.348	1.575	-52.9%	0.139	0.181	0.445	220.4%	0.254	0.379	49.3%
Apr Avg	1.314	1.195	1.217	1.8%	0.624	0.596	0.778	24.6%	0.642	0.512	-20.2%
May Avg	1.593	1.445	0.975	-32.5%	0.201	0.216	0.420	109.2%	0.273	0.289	5.9%
Jul Avg.	1.632	1.492	1.532	2.7%	0.202	0.202	0.693	242.5%	0.042	0.148	256.2%
6/23- 8/21 Avg.	**1.698**	**1.583**	**1.425**	-10.0%	**0.632**	**0.230**	**0.566**	-10.4%	**0.050**	**0.235**	369.1%
10/6-11/1 Avg.	1.091	0.881	0.856	-2.8%	0.148	0.123	0.514	247.5%	0.094	0.370	293.1%
All Model Avg.	1.361	1.215	1.230	1.2%	0.362	0.241	0.484	33.6%	0.178	0.295	65.4%
			DR Monitor	-9.6%							
			all without 3/21 & 3/22								
	includes 3/21 & 3/22										

BACKGROUND= 0.063 ug/m3

Design Value Modeling Results for all Quarters
Sorted by Maximum Quarterly Concentration (ug/m3)

		final297	final397	final497	final198	final298	final398	final498	final199	final105	MAX
729446	4237937	9.094	11.857	11.597	8.638	8.475	14.402	10.709	8.802	6.872	14.402
729435	4237888	8.729	10.502	10.684	7.872	7.843	13.648	9.823	8.539	6.711	13.648
729469	4238034	10.184	13.333	11.664	8.456	9.521	12.425	12.001	8.991	7.259	13.333
729456	4237986	9.751	12.476	11.952	8.722	8.909	13.224	11.730	8.857	6.930	13.224
729483	4238082	9.792	13.160	10.730	8.446	9.949	10.742	12.139	9.621	7.580	13.160
729424	4237840	8.017	9.366	10.168	7.657	7.379	12.833	8.985	8.375	6.515	12.833
729469	4238100	8.495	11.796	9.163	7.258	8.453	7.712	10.540	7.964	5.616	11.796
729409	4237792	7.677	8.730	9.124	7.579	7.028	11.572	8.459	8.415	6.581	11.572
729497	4238130	8.622	10.438	9.672	7.586	9.288	8.349	10.049	9.000	6.088	10.438
729375	4237698	8.614	9.961	9.033	8.414	7.610	10.435	9.948	9.360	7.805	10.435
729392	4237745	7.347	8.337	8.171	8.109	6.763	9.964	8.425	8.477	6.357	9.964
729369	4237700	8.068	9.746	8.384	7.913	6.670	9.877	8.950	8.502	6.604	9.877
729369	4237800	5.212	7.038	7.023	5.582	5.087	7.878	6.342	5.721	4.013	7.878
729435	4238079	5.596	7.726	6.410	5.086	5.348	6.337	7.144	5.048	3.872	7.726
729518	4238173	6.087	7.231	7.574	5.106	7.073	5.661	7.079	6.413	4.045	7.574
729369	4237900	3.917	4.859	5.792	4.165	4.018	7.419	5.179	4.379	3.118	7.419
729520	4238212	6.148	7.128	7.335	5.022	6.861	6.156	6.661	6.302	4.344	7.335
729469	4238200	5.395	7.085	5.976	4.883	6.285	4.180	6.834	5.875	3.363	7.085
729358	4237651	5.163	6.039	5.528	5.292	4.215	6.811	6.160	5.680	4.949	6.811
729410	4238048	4.935	6.679	5.753	4.284	4.250	6.226	5.906	4.322	3.174	6.679
729425	4238117	4.598	6.585	5.416	4.331	4.616	5.062	5.965	4.569	3.497	6.585
729342	4237887	3.513	4.381	5.353	3.600	3.399	6.533	4.382	3.675	2.608	6.533
729534	4238260	5.219	6.169	6.516	4.233	5.858	5.571	5.568	5.249	3.893	6.516
729336	4237760	4.017	4.943	4.963	4.574	3.745	6.397	4.839	4.639	3.173	6.397
729554	4238207	3.984	5.297	5.850	3.436	5.475	4.432	4.748	4.184	2.657	5.850
729331	4237711	4.026	4.980	4.579	4.187	3.441	5.758	4.595	4.498	3.374	5.758
729341	4237604	4.177	4.413	4.755	3.643	3.129	5.757	4.941	4.046	3.217	5.757
729369	4238000	3.869	4.023	4.904	3.400	2.966	5.681	4.382	3.489	2.615	5.681
729304	4237779	3.246	3.989	4.318	3.596	3.020	5.534	3.971	3.671	2.506	5.534
729332	4237614	3.913	4.145	4.260	3.603	3.057	5.436	4.554	3.745	2.904	5.436
729323	4237557	3.442	3.116	3.984	3.389	3.310	5.093	4.122	4.144	3.204	5.093
729399	4238145	3.541	5.037	4.144	3.365	3.511	3.879	4.668	3.522	2.663	5.037
729778	4237811	3.334	4.040	4.611	3.284	3.202	3.964	4.832	1.712	2.031	4.832
729507	4238267	3.743	4.467	4.718	3.092	4.423	3.523	4.304	4.043	2.309	4.718
729751	4237769	3.138	3.824	4.539	3.486	3.123	3.776	4.646	1.759	2.201	4.646
729360	4238051	3.388	4.608	4.144	3.150	2.854	4.541	4.079	2.964	2.185	4.608
729452	4238236	3.701	4.405	4.290	3.429	4.149	3.308	4.559	4.122	2.328	4.559
729304	4237634	3.222	3.470	3.652	3.296	2.715	4.556	3.825	3.127	2.155	4.556
729399	4238185	3.248	4.539	3.849	3.279	3.463	3.470	4.531	3.460	2.360	4.539
729304	4237669	3.137	3.694	3.790	3.539	2.734	4.529	3.736	3.368	2.403	4.529
729722	4237735	2.581	3.206	4.461	3.471	2.917	3.381	4.298	1.876	2.250	4.461
729580	4238249	2.749	4.164	4.402	2.590	4.244	3.511	3.488	2.963	1.914	4.402
729269	4237900	1.402	2.186	3.283	1.838	1.638	4.371	2.565	2.073	1.435	4.371
729369	4238100	3.140	4.339	3.873	3.325	3.021	3.845	3.843	3.038	2.156	4.339
729811	4237843	3.158	3.999	3.947	2.689	2.749	3.604	4.316	1.345	1.694	4.316
729699	4237695	2.488	3.211	4.299	3.247	2.341	2.944	3.825	1.890	2.320	4.299
729669	4237603	2.574	3.242	4.283	3.046	1.938	2.354	3.839	2.072	2.516	4.283
729460	4238252	3.569	4.190	4.125	3.250	4.040	3.097	4.275	3.982	2.139	4.275
729822	4237959	3.058	4.268	3.075	1.677	2.103	3.696	3.497	0.807	1.237	4.268
729255	4237782	2.381	2.976	3.416	2.413	2.200	4.263	2.796	2.622	1.980	4.263
729269	4237800	2.816	2.964	3.254	2.675	2.090	4.255	3.041	2.544	1.738	4.255
729417	4238232	3.128	4.154	3.701	3.208	3.568	3.092	4.252	3.516	2.215	4.252
729569	4238300	2.780	3.851	4.239	2.528	3.887	3.300	3.382	2.858	2.074	4.239
729681	4237649	2.436	3.082	4.122	3.110	2.006	2.529	3.695	1.952	2.296	4.122
729569	4238400	2.754	4.102	4.117	2.239	3.938	3.125	3.149	2.901	1.803	4.117

Design Value Modeling Results for all Quarters
Sorted by Maximum Quarterly Concentration (ug/m3)

		final297	final397	final497	final198	final298	final398	final498	final199	final105	MAX
729369	4238200	3.008	4.100	3.427	2.867	2.892	2.944	3.751	2.907	2.013	4.100
729248	4237811	2.266	2.772	3.346	2.244	2.089	4.098	2.922	2.458	1.787	4.098
729469	4238300	3.419	3.917	3.870	3.098	4.055	2.541	3.905	3.669	1.853	4.055
729306	4237510	2.897	2.845	3.611	3.334	2.487	4.017	3.206	3.544	2.749	4.017
729854	4237922	2.975	4.004	3.034	1.880	2.093	3.270	3.508	0.869	1.228	4.004
729819	4237800	2.715	3.229	3.697	2.641	2.584	3.208	4.000	1.349	1.598	4.000
729269	4237700	2.569	3.081	3.811	3.226	2.381	3.988	2.485	2.910	2.024	3.988
729837	4237884	3.047	3.910	3.386	2.272	2.453	3.406	3.862	1.088	1.400	3.910
729630	4238537	2.474	3.429	3.870	2.461	3.169	3.120	3.205	2.599	2.143	3.870
729333	4238068	2.868	3.842	3.364	2.716	2.345	3.717	3.357	2.490	1.843	3.842
729319	4238041	2.696	3.442	3.275	2.433	2.154	3.799	3.296	2.375	1.783	3.799
729654	4237565	2.456	2.819	3.741	2.645	1.778	2.140	3.436	1.997	2.412	3.741
729269	4237600	2.583	2.577	3.723	2.615	2.215	3.675	3.283	2.975	1.818	3.723
729820	4238006	2.437	3.683	2.612	1.262	1.753	3.379	2.845	0.646	0.993	3.683
729636	4237520	2.270	2.408	3.596	2.785	1.910	2.117	3.302	2.154	2.303	3.596
729291	4238012	2.342	2.807	3.018	2.163	1.988	3.574	2.932	2.020	1.652	3.574
729869	4237900	2.778	3.572	3.141	2.056	2.197	2.937	3.493	1.046	1.269	3.572
729609	4238290	2.051	3.300	3.472	2.066	3.360	2.827	2.777	2.157	1.358	3.472
729435	4237202	3.106	1.242	2.633	2.773	1.475	2.392	1.268	2.501	3.451	3.451
729369	4238300	2.430	3.417	2.993	2.472	2.813	2.273	3.429	2.611	1.767	3.429
729269	4237500	2.490	2.414	3.199	2.674	2.009	3.307	2.864	3.397	2.579	3.397
729318	4238096	2.620	3.387	2.895	2.449	2.034	3.072	3.025	2.221	1.668	3.387
729569	4238800	2.228	3.164	3.365	2.184	2.780	2.619	3.110	2.409	1.929	3.365
729269	4238000	1.206	1.256	2.109	1.325	1.148	3.312	1.731	1.299	1.073	3.312
729266	4237991	2.023	2.385	2.806	1.992	1.822	3.291	2.551	1.890	1.466	3.291
729769	4237700	1.985	2.536	3.271	2.714	2.181	2.409	3.125	1.399	1.659	3.271
729250	4237959	1.972	2.252	2.903	1.985	1.810	3.270	2.479	1.816	1.399	3.270
729806	4238053	2.086	3.246	2.248	1.010	1.583	3.187	2.417	0.569	0.865	3.246
729204	4237818	1.756	2.137	2.697	1.638	1.622	3.240	2.232	1.889	1.485	3.240
729288	4237464	2.479	2.478	2.744	2.963	1.994	3.129	2.559	3.147	2.329	3.147
729469	4238400	2.647	3.124	2.967	2.099	3.037	1.719	2.930	2.672	1.297	3.124
728569	4238550	2.314	2.801	2.504	2.118	2.003	3.097	2.632	2.261	2.214	3.097
729627	4237471	1.908	2.021	3.066	2.381	1.590	1.897	2.872	1.788	2.189	3.066
729185	4237776	1.620	2.024	2.580	1.719	1.519	3.060	1.838	1.889	1.436	3.060
729869	4238000	2.068	2.999	2.081	1.079	1.380	2.517	2.325	0.533	0.882	2.999
729869	4237800	1.898	2.197	2.741	1.972	1.911	2.503	2.992	0.988	1.135	2.992
729472	4237223	2.123	1.430	2.516	2.361	1.355	2.102	1.112	2.114	2.932	2.932
729369	4238400	2.157	2.836	2.385	2.063	2.496	1.610	2.884	2.376	1.293	2.884
729185	4237858	1.579	1.805	2.382	1.417	1.431	2.880	2.144	1.581	1.264	2.880
729169	4237700	1.349	1.627	2.138	1.895	1.583	2.857	1.679	1.660	1.146	2.857
729203	4237944	1.495	1.789	2.399	1.667	1.519	2.829	2.160	1.457	1.083	2.829
729271	4237417	2.162	2.123	2.093	2.533	1.687	2.621	2.230	2.810	2.091	2.810
729769	4237500	1.580	1.605	2.799	2.229	1.656	1.205	2.481	1.424	1.456	2.799
729169	4237800	1.612	1.706	2.163	1.626	1.419	2.783	1.752	1.689	1.241	2.783
729569	4238500	1.774	2.629	2.761	1.437	2.608	1.936	2.005	1.868	1.138	2.761
729795	4238102	1.708	2.703	1.880	0.975	1.496	2.753	1.861	0.553	0.705	2.753
729869	4237700	1.571	1.884	2.743	2.074	1.717	2.071	2.557	0.976	1.166	2.743
729269	4238100	1.958	2.726	2.491	2.021	1.799	2.574	2.654	1.803	1.478	2.726
729640	4238330	1.497	2.616	2.726	1.682	2.615	2.324	2.264	1.553	0.985	2.726
729319	4238300	1.903	2.696	2.342	2.071	2.070	2.032	2.726	2.125	1.439	2.726
729178	4237908	1.406	1.635	2.252	1.391	1.388	2.713	2.086	1.380	1.078	2.713
729259	4238078	1.972	2.469	2.288	1.833	1.508	2.665	2.318	1.650	1.352	2.665
729669	4237500	1.618	1.355	2.657	2.044	1.087	1.508	2.226	1.553	1.686	2.657
729469	4238900	2.057	2.647	2.321	1.894	1.735	2.537	2.377	1.927	1.856	2.647
729618	4237421	1.635	1.729	2.634	2.058	1.368	1.616	2.467	1.544	1.899	2.634

Design Value Modeling Results for all Quarters
Sorted by Maximum Quarterly Concentration (ug/m3)

		final297	final397	final497	final198	final298	final398	final498	final199	final105	MAX
729169	4237900	1.490	1.664	2.230	1.287	1.193	2.593	1.804	1.387	1.021	2.593
729669	4238400	1.194	2.563	2.451	1.416	2.393	1.926	2.061	1.312	0.765	2.563
729269	4238200	1.898	2.512	1.972	1.908	1.518	2.031	2.405	1.913	1.353	2.512
729769	4237600	1.880	2.012	2.507	2.132	1.303	1.553	2.314	1.118	1.653	2.507
729169	4237600	1.328	1.599	2.475	1.600	1.467	2.489	1.918	1.817	1.046	2.489
729253	4237370	1.934	1.877	1.762	2.204	1.430	2.320	2.016	2.445	1.963	2.445
729769	4237400	0.798	1.186	2.437	1.538	0.819	0.927	1.607	1.086	1.011	2.437
729784	4238151	1.449	2.372	1.591	0.960	1.494	2.408	1.695	0.588	0.610	2.408
729611	4237372	1.458	1.533	2.403	1.962	1.141	1.371	2.185	1.471	1.632	2.403
729969	4237800	1.578	1.902	2.000	1.489	1.478	1.856	2.395	0.775	0.842	2.395
729669	4238500	1.134	2.269	2.048	1.270	2.017	1.642	1.817	1.222	0.759	2.269
729169	4237500	1.777	1.513	1.888	1.768	1.444	2.262	1.895	2.007	1.417	2.262
729269	4238300	1.664	2.259	1.866	1.711	1.438	1.700	2.093	1.711	1.145	2.259
729670	4238369	1.160	2.124	2.243	1.385	2.087	2.019	1.909	1.216	0.759	2.243
729069	4237700	1.028	1.060	1.741	1.353	1.164	2.226	1.173	1.248	0.930	2.226
729969	4237900	1.824	2.214	1.764	1.152	1.261	1.761	2.113	0.542	0.804	2.214
729169	4238000	1.381	1.660	2.056	1.450	1.148	2.158	1.774	1.296	0.929	2.158
729126	4237924	1.125	1.307	1.807	1.028	1.132	2.144	1.647	1.063	0.871	2.144
729969	4237700	1.215	1.435	2.113	1.530	1.365	1.605	2.022	0.765	0.809	2.113
729569	4238550	1.396	1.910	2.097	1.240	1.868	1.731	1.627	1.467	1.001	2.097
729869	4237600	1.390	1.567	2.096	1.629	1.183	1.249	1.765	0.813	1.114	2.096
729569	4238600	1.394	1.941	2.095	1.200	1.880	1.592	1.612	1.464	0.974	2.095
729234	4237324	1.746	1.630	1.524	1.895	1.206	2.054	1.809	2.095	1.816	2.095
729789	4238200	1.152	2.007	1.347	0.902	1.384	2.080	1.469	0.575	0.515	2.080
729493	4237186	1.629	1.221	2.063	1.815	0.992	1.235	1.226	1.497	1.746	2.063
729869	4238100	1.384	2.060	1.425	0.679	1.079	2.031	1.587	0.382	0.566	2.060
729969	4238000	1.506	1.992	1.500	0.742	0.957	1.684	1.579	0.363	0.606	1.992
729611	4237322	1.194	1.182	1.967	1.649	0.886	1.080	1.736	1.185	1.294	1.967
729319	4239050	1.627	1.897	1.967	1.575	1.411	1.769	1.931	1.602	1.334	1.967
729069	4237800	1.014	1.178	1.744	1.017	0.953	1.949	1.300	1.098	0.861	1.949
729169	4237400	1.731	1.736	1.437	1.948	1.245	1.845	1.301	1.887	1.265	1.948
729069	4237600	1.011	1.229	1.894	1.216	1.045	1.936	1.226	1.304	0.712	1.936
729569	4238700	1.288	1.743	1.899	1.133	1.611	1.466	1.497	1.349	0.947	1.899
729969	4237600	1.118	1.070	1.893	1.368	1.008	1.155	1.572	0.715	0.840	1.893
729342	4238475	1.443	1.733	1.644	1.435	1.615	1.289	1.865	1.696	0.947	1.865
729699	4238410	0.918	1.708	1.854	1.137	1.691	1.744	1.615	0.974	0.598	1.854
729457	4237165	1.707	1.161	1.845	1.689	0.914	1.172	0.917	1.400	1.684	1.845
729169	4238100	1.502	1.682	1.842	1.437	1.148	1.837	1.744	1.138	1.085	1.842
729786	4238250	0.993	1.761	1.297	0.878	1.390	1.842	1.334	0.573	0.441	1.842
729669	4238600	1.017	1.841	1.840	1.161	1.695	1.484	1.586	1.135	0.742	1.841
729369	4239000	1.487	1.614	1.838	1.429	1.252	1.662	1.762	1.441	1.223	1.838
728669	4239000	1.454	1.832	1.644	1.447	1.185	1.757	1.709	1.577	1.306	1.832
730069	4237900	1.538	1.830	1.302	0.794	0.899	1.349	1.652	0.414	0.623	1.830
729069	4237900	1.023	1.114	1.544	0.891	0.978	1.824	1.361	0.946	0.815	1.824
730069	4237800	1.532	1.737	1.507	1.124	1.076	1.447	1.819	0.531	0.693	1.819
729069	4237550	1.060	1.230	1.460	1.318	1.059	1.819	1.104	1.257	0.724	1.819
730069	4237700	1.069	1.218	1.630	1.307	1.212	1.358	1.815	0.669	0.670	1.815
729819	4237550	1.276	1.501	1.812	1.580	1.116	1.222	1.726	0.880	1.195	1.812
728669	4238800	1.481	1.801	1.610	1.381	1.173	1.759	1.706	1.445	1.205	1.801
729269	4238400	1.155	1.771	1.260	1.121	1.110	1.442	1.800	1.359	1.009	1.800
729200	4237313	1.482	1.336	1.309	1.621	1.034	1.787	1.553	1.762	1.459	1.787
729469	4238500	1.564	1.599	1.728	1.322	1.540	1.324	1.786	1.604	0.919	1.786
729469	4238600	1.298	1.540	1.722	1.029	1.524	1.076	1.488	1.375	0.799	1.722
729969	4238100	1.082	1.719	1.215	0.536	0.838	1.640	1.295	0.285	0.439	1.719
729615	4237272	0.972	0.922	1.711	1.399	0.717	0.834	1.402	1.002	1.059	1.711

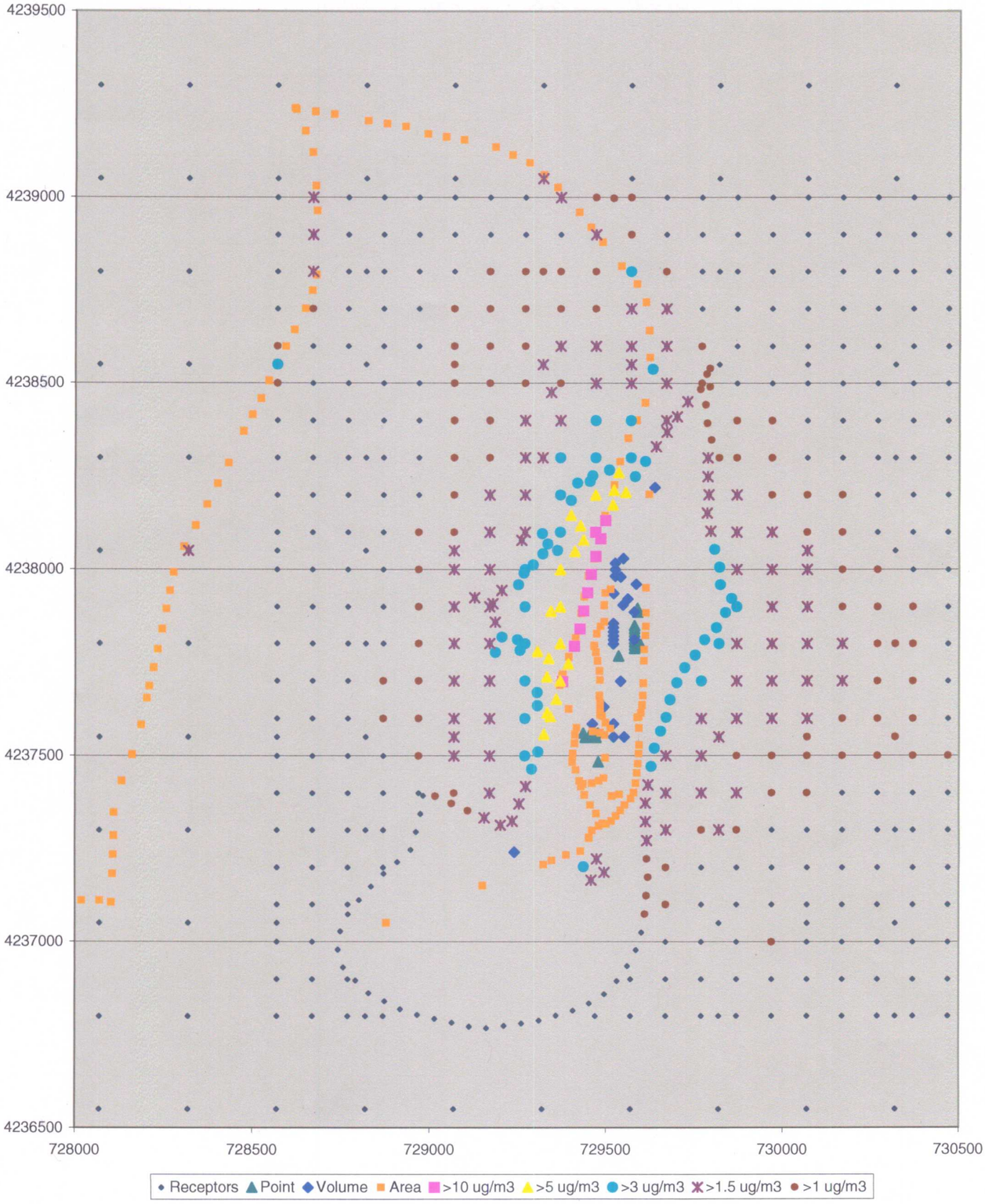
Design Value Modeling Results for all Quarters
Sorted by Maximum Quarterly Concentration (ug/m3)

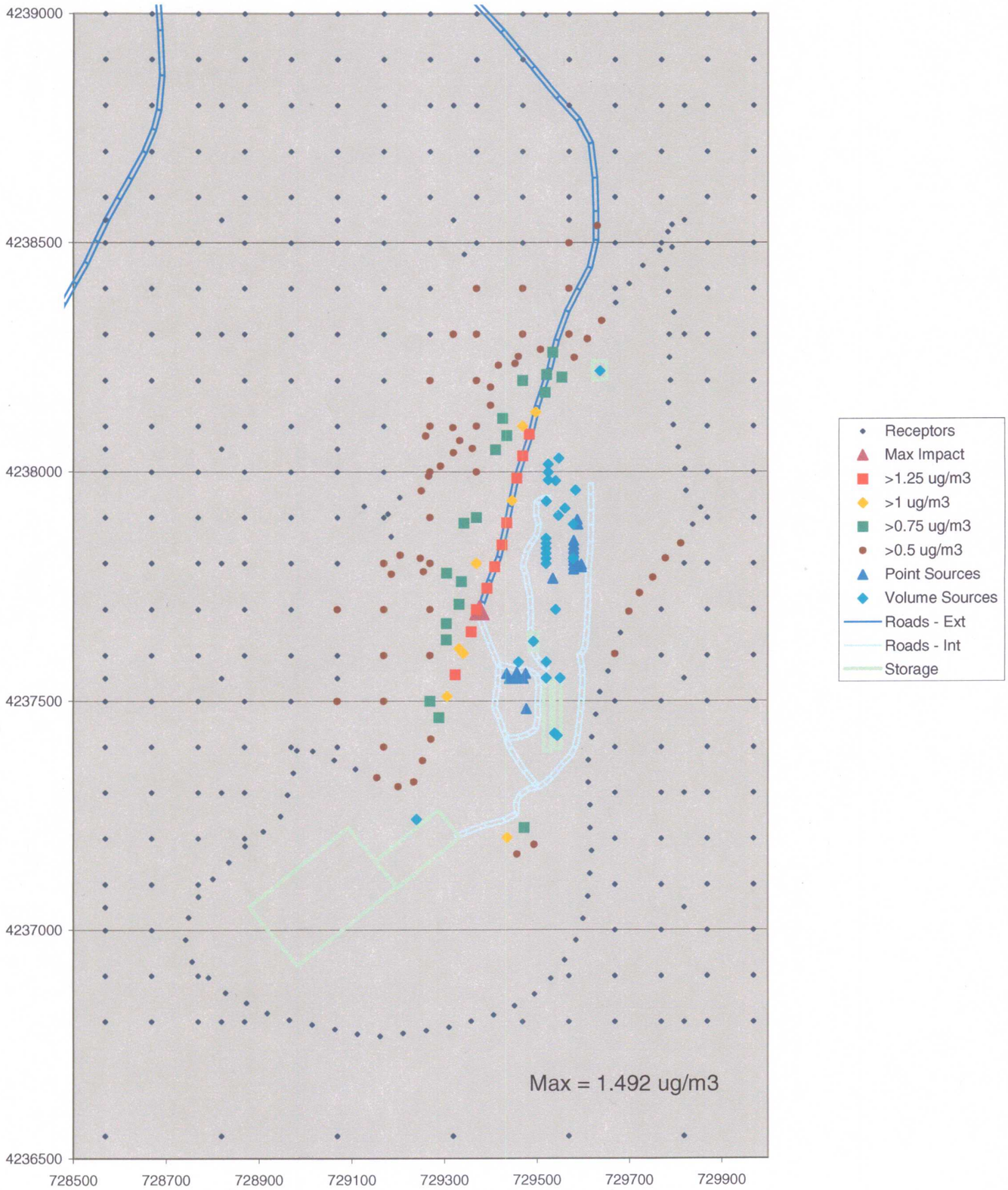
		final297	final397	final497	final198	final298	final398	final498	final199	final105	MAX
729786	4238300	0.916	1.649	1.332	0.865	1.381	1.692	1.285	0.583	0.409	1.692
729069	4237500	1.134	1.126	1.241	1.295	1.052	1.668	1.182	1.377	0.822	1.668
729869	4238200	1.047	1.666	1.055	0.583	0.898	1.510	1.101	0.365	0.447	1.666
729169	4238200	1.274	1.660	1.574	1.284	1.040	1.498	1.525	1.142	1.023	1.660
729154	4237333	1.343	1.174	1.181	1.481	1.027	1.610	1.388	1.644	1.134	1.644
729669	4237400	1.141	0.684	1.638	1.465	0.479	1.078	1.536	1.001	1.339	1.638
729819	4237300	0.739	0.923	1.637	1.021	0.560	0.592	1.113	0.704	0.776	1.637
729069	4238000	0.978	1.046	1.441	0.824	0.825	1.633	1.340	0.798	0.619	1.633
730069	4237600	0.656	0.663	1.604	1.184	1.001	1.091	1.384	0.658	0.631	1.604
729869	4237400	0.512	0.705	1.586	1.413	0.839	0.775	1.355	0.935	0.766	1.586
730069	4238000	1.119	1.586	1.189	0.615	0.778	1.291	1.261	0.274	0.497	1.586
729319	4238550	1.239	1.461	1.406	1.242	1.375	1.089	1.579	1.467	0.800	1.579
729669	4238700	0.839	1.544	1.574	0.987	1.452	1.249	1.331	0.968	0.648	1.574
728319	4238050	1.227	1.302	1.552	1.246	0.972	1.473	1.553	1.087	1.339	1.553
729669	4237300	1.007	0.918	1.552	1.344	0.722	0.758	1.430	0.923	0.959	1.552
730169	4237700	0.982	1.139	1.327	1.065	1.026	1.125	1.551	0.537	0.600	1.551
729369	4238600	1.320	1.401	1.544	1.258	1.491	0.941	1.538	1.460	0.730	1.544
729729	4238450	0.742	1.379	1.525	0.933	1.408	1.495	1.380	0.777	0.475	1.525
730069	4238050	1.039	1.518	1.102	0.509	0.691	1.347	1.190	0.295	0.399	1.518
730169	4237800	1.176	1.443	1.206	0.942	0.897	1.141	1.510	0.467	0.538	1.510
729069	4238050	0.909	1.035	1.293	0.943	0.742	1.507	1.195	0.791	0.618	1.507
728669	4238900	1.227	1.506	1.416	1.225	0.977	1.494	1.506	1.306	1.079	1.506
729169	4238300	1.026	1.498	1.119	1.104	0.937	1.205	1.486	1.059	0.824	1.498
730169	4237900	1.239	1.489	1.038	0.635	0.708	1.063	1.324	0.304	0.489	1.489
729819	4238300	0.824	1.430	1.030	0.715	1.127	1.487	1.089	0.468	0.355	1.487
730069	4238100	1.029	1.486	1.146	0.481	0.687	1.396	1.166	0.244	0.408	1.486
729469	4238700	1.074	1.331	1.480	0.865	1.272	0.962	1.231	1.153	0.721	1.480
729269	4238600	1.004	1.417	1.183	1.054	1.219	0.954	1.476	1.218	0.731	1.476
729796	4238348	0.801	1.418	1.223	0.783	1.248	1.464	1.162	0.525	0.368	1.464
729369	4238500	1.131	1.144	1.391	1.127	1.052	1.189	1.464	1.411	0.761	1.464
729108	4237352	1.205	1.047	1.145	1.341	0.966	1.434	1.211	1.463	0.872	1.463
729869	4237300	0.457	0.487	1.461	0.897	0.410	0.612	0.899	0.544	0.536	1.461
730069	4237550	0.690	0.761	1.458	1.004	0.815	0.902	1.219	0.617	0.652	1.458
729869	4237500	1.148	1.169	1.420	1.449	1.011	0.920	1.354	0.767	1.020	1.449
728669	4238700	1.087	1.349	1.383	1.142	0.837	1.168	1.446	0.956	1.079	1.446

200 Receptors with Concentrations + Background over the Standard

Final Design Value Modeling

Maximum Quarterly Average



Attainment Demonstration Results

Maximum Quarterly Concentrations