

Appendix C

Some parts of GWR results in ARCGIS 10 software

Area_num	Area_key	x_coord	y_coord	Es t_Intercept	se_Intercept	t_Intercept	est_Soil	se_Soil	t_Soil	est_Slope	se_Slope	t_Slope
0	1	47.2632	34.0627	0.731092	0.023206	31.50398	0	0.020257	0	0	0.033703	0
1	2	47.2705	34.0633	0.736334	0.022836	32.24372	-0.0011	0.01861	-0.058955	0.016702	0.034743	0.480728
2	3	47.2713	34.0636	0.737278	0.022603	32.61862	-0.00164	0.018409	-0.089266	0.023346	0.03443	0.678091
3	4	47.2834	34.0651	0.736882	0.020923	35.21905	-0.01045	0.017899	-0.58356	0.107531	0.032339	3.325076
4	5	47.2843	34.0655	0.737239	0.020844	35.36926	-0.01045	0.017898	-0.583883	0.112099	0.032401	3.459697
5	6	47.2851	34.0715	0.74028	0.020543	36.03481	-0.0057	0.018064	-0.315768	0.132825	0.033171	4.004295
6	7	47.2856	34.9132	0.710683	0.02228	31.89832	0.017575	0.03824	0.459585	0.035756	0.062034	0.57639
7	8	47.2917	34.0728	0.764283	0.019275	39.65166	0.014446	0.017146	0.842536	0.168472	0.033106	5.088915
est_Landuse	se_Landuse	t_Landuse	est_Erosion	se_Erosion	t_Erosion	est_Lithology	se_Lithology	t_Lithology	est_Fault	se_Fault	t_Fault	
0	0.029801	0	0	0.021766	0	0	0.02822	0	-0.44154	0.067175	-6.57295	
0.011827	0.028979	0.408124	-0.00059	0.021265	-0.02753	0.011598	0.026342	0.440291	-0.37856	0.05401	-7.00915	
0.01504	0.028739	0.523346	-0.001	0.021157	-0.04732	0.016063	0.025885	0.620524	-0.35661	0.051307	-6.95057	
0.021881	0.031187	0.701619	-0.00517	0.021202	-0.24393	0.066925	0.023447	2.85427	-0.14623	0.036811	-3.97232	
0.020527	0.031588	0.649855	-0.00459	0.021354	-0.21514	0.068084	0.023293	2.922976	-0.13875	0.036739	-3.77658	
0.013983	0.033271	0.420292	0.003434	0.022273	0.154198	0.067138	0.022941	2.926571	-0.10201	0.036538	-2.79192	
0.147991	0.056098	2.638094	0.057055	0.027219	2.096182	0.017452	0.058731	0.297146	-0.03721	0.044156	-0.84268	

est_River	se_River	t_River	est_Road	se_Road	t_Road	est_Aspect	se_Aspect	t_Aspect	y	yhat
0	0.042559	0	0	0.025798	0	0	0.024952	0	1	1
-0.02045	0.038174	-0.53563	-0.00871	0.027922	-0.31177	-0.00773	0.024711	-0.31275	1	1.008943
-0.02868	0.037309	-0.76861	-0.01092	0.027756	-0.39357	-0.00905	0.024422	-0.37067	1	0.976591
-0.11978	0.03158	-3.79289	-0.0242	0.02566	-0.94327	-6.9E-05	0.022529	-0.00306	1	0.968354
-0.12295	0.031555	-3.89651	-0.0244	0.025565	-0.95442	0.000638	0.022514	0.028337	1	0.96713
-0.13859	0.031238	-4.43653	-0.02212	0.025715	-0.86027	0.003291	0.022548	0.145962	1	1.11542
-0.22569	0.047242	-4.7774	-0.01633	0.034891	-0.468	0.052411	0.054292	0.965367	0	0.001169

residual	std_residual	localR2	influence	CooksD
0	0	0.986703	0.367387	0
-0.00894	-0.09873	0.974715	0.190107	0.000051
0.023409	0.281991	0.97275	0.319693	0.000837
0.031646	0.375087	0.955302	0.297287	0.001333
0.03287	0.364455	0.954531	0.196997	0.00073
-0.11542	-1.25485	0.950116	0.164788	0.00696
-0.00117	-0.10587	0.963463	0.987961	0.020605