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Evaluation of municipal water demand and related parameters

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APPENDIX C

Regression Results

DOMESTIC RESULTS

User Category: RES 500:

Stands Size >=20 m^2 and < 500m^2

Multi Variable Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	Stand Area	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	Geographic Location	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	Ln (Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	Mean Evaporation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	Ave Min Temperature	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	% Unemployment	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	Ave Income	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	% Waterborne Sanitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
9	Ave Max Temperature	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	Annual Precipitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	% Water Connection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
12	Ave Household Size	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
13	% Formal Housing	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
14	Ave House Size	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: Ln(Water Demand)			

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.229(a)	.053	.053	.39468
2	.257(b)	.066	.066	.39182
3	.282(c)	.079	.079	.38909
4	.286(d)	.082	.082	.38859
5	.295(e)	.087	.087	.38746
6	.298(f)	.089	.089	.38711
7	.300(g)	.090	.090	.38686

8	.301(h)	.090	.090	.38673
9	.301(i)	.091	.091	.38664
10	.302(j)	.091	.091	.38661
11	.302(k)	.091	.091	.38659
12	.302(l)	.091	.091	.38657
13	.302(m)	.091	.091	.38656
14	.302(n)	.091	.091	.38655

a Predictors: (Constant), Stand Area

b Predictors: (Constant), Stand Area, Geographic Location

c Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value)

d Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation

e Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature

f Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment

g Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income

h Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation

i Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature

j Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation

k Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation, % Water Connection

l Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation, % Water Connection, Ave Household Size

m Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation, % Water Connection, Ave Household Size, % Formal Housing

n Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation, % Water Connection, Ave Household Size, % Formal Housing, Ave House Size

ANOVA(o)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	**Regression**	3746.647	1	3746.647	24052.404	.000(a)
	Residual	67464.519	433103	.156		
	Total	71211.165	433104			
2	**Regression**	4719.870	2	2359.935	15371.826	.000(b)
	Residual	66491.295	433102	.154		
	Total	71211.165	433104			
3	**Regression**	5644.777	3	1881.592	12428.921	.000(c)
	Residual	65566.389	433101	.151		

	Total	71211.165	433104			
4	**Regression**	5811.501	4	1452.875	9621.461	.000(d)
	Residual	65399.664	433100	.151		
	Total	71211.165	433104			
5	**Regression**	6193.133	5	1238.627	8250.757	.000(e)
	Residual	65018.032	433099	.150		
	Total	71211.165	433104			
6	**Regression**	6308.511	6	1051.419	7016.158	.000(f)
	Residual	64902.654	433098	.150		
	Total	71211.165	433104			
7	**Regression**	6394.938	7	913.563	6104.354	.000(g)
	Residual	64816.228	433097	.150		
	Total	71211.165	433104			
8	**Regression**	6438.920	8	804.865	5381.685	.000(h)
	Residual	64772.245	433096	.150		
	Total	71211.165	433104			
9	**Regression**	6468.873	9	718.764	4808.186	.000(i)
	Residual	64742.292	433095	.149		
	Total	71211.165	433104			
10	**Regression**	6477.354	10	647.735	4333.598	.000(j)
	Residual	64733.811	433094	.149		
	Total	71211.165	433104			
11	**Regression**	6484.452	11	589.496	3944.375	.000(k)
	Residual	64726.713	433093	.149		
	Total	71211.165	433104			
12	**Regression**	6490.737	12	540.895	3619.525	.000(l)
	Residual	64720.428	433092	.149		
	Total	71211.165	433104			
13	**Regression**	6493.936	13	499.534	3342.904	.000(m)
	Residual	64717.229	433091	.149		
	Total	71211.165	433104			
14	**Regression**	6497.636	14	464.117	3106.064	.000(n)
	Residual	64713.529	433090	.149		
	Total	71211.165	433104			

a Predictors: (Constant), Stand Area

b Predictors: (Constant), Stand Area, Geographic Location

c Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value)

d Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation

e Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature

f Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment

g Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income
h Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation
i Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature
j Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation
k Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation, % Water Connection
l Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation, % Water Connection, Ave Household Size
m Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation, % Water Connection, Ave Household Size, % Formal Housing
n Predictors: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation, % Water Connection, Ave Household Size, % Formal Housing, Ave House Size
o Dependent Variable: Ln(Water Demand)

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.195	.002		-97.940	.000
	Stand Area	.001	.000	.229	155.088	.000
2	(Constant)	-.044	.003		-16.066	.000
	Stand Area	.001	.000	.217	146.907	.000
	Geographic Location	-.104	.001	-.118	-79.619	.000
3	(Constant)	-.772	.010		-79.561	.000
	Stand Area	.001	.000	.155	92.686	.000
	Geographic Location	-.126	.001	-.142	-94.852	.000
	Ln (Stand Value)	.076	.001	.131	78.163	.000
4	(Constant)	-1.009	.012		-83.867	.000
	Stand Area	.001	.000	.154	92.089	.000
	Geographic Location	-.106	.001	-.120	-72.837	.000
	Ln (Stand Value)	.077	.001	.134	79.713	.000
	Mean Evaporation	9.55E-005	.000	.054	33.228	.000
5	(Constant)	-1.470	.015		-97.468	.000
	Stand Area	.001	.000	.141	84.164	.000
	Geographic Location	-.134	.002	-.151	-86.078	.000
	Ln (Stand Value)	.080	.001	.140	83.333	.000
	Mean Evaporation	.000	.000	.120	57.711	.000

	Ave Min Temperature	.022	.000	.111	50.420	.000
6	**(Constant)**	-1.655	.016		-100.416	.000
	Stand Area	.001	.000	.149	87.578	.000
	Geographic Location	-.127	.002	-.143	-80.482	.000
	Ln (Stand Value)	.090	.001	.157	87.856	.000
	Mean Evaporation	.000	.000	.121	58.368	.000
	Ave Min Temperature	.023	.000	.118	53.319	.000
	% Unemployment	.105	.004	.048	27.747	.000
7	**(Constant)**	-1.602	.017		-96.327	.000
	Stand Area	.001	.000	.156	90.555	.000
	Geographic Location	-.125	.002	-.141	-79.249	.000
	Ln (Stand Value)	.083	.001	.144	77.819	.000
	Mean Evaporation	.000	.000	.110	51.489	.000
	Ave Min Temperature	.022	.000	.110	49.008	.000
	% Unemployment	.216	.006	.098	36.178	.000
	Ave Income	5.13E-007	.000	.065	24.031	.000
8	**(Constant)**	-1.698	.018		-96.773	.000
	Stand Area	.001	.000	.155	89.786	.000
	Geographic Location	-.123	.002	-.139	-78.428	.000
	Ln (Stand Value)	.086	.001	.149	79.529	.000
	Mean Evaporation	.000	.000	.108	50.810	.000
	Ave Min Temperature	.022	.000	.112	50.095	.000
	% Unemployment	.263	.007	.120	40.045	.000
	Ave Income	5.51E-007	.000	.070	25.655	.000
	% Waterborne Sanitation	.055	.003	.030	17.149	.000
9	**(Constant)**	-1.434	.026		-56.018	.000
	Stand Area	.001	.000	.155	89.364	.000
	Geographic Location	-.143	.002	-.161	-68.376	.000
	Ln (Stand Value)	.083	.001	.144	75.637	.000
	Mean Evaporation	.000	.000	.100	45.571	.000
	Ave Min Temperature	.024	.000	.124	51.875	.000
	% Unemployment	.257	.007	.117	39.075	.000
	Ave Income	5.47E-007	.000	.069	25.493	.000
	% Waterborne Sanitation	.051	.003	.027	15.894	.000
	Ave Max Temperature	-.008	.001	-.029	-14.155	.000
10	**(Constant)**	-1.535	.029		-53.110	.000
	Stand Area	.001	.000	.152	86.773	.000
	Geographic Location	-.130	.003	-.146	-47.581	.000
	Ln (Stand Value)	.084	.001	.146	75.965	.000
	Mean Evaporation	.000	.000	.105	45.888	.000

	Ave Min Temperature	.025	.000	.127	52.422	.000
	% Unemployment	.248	.007	.113	37.182	.000
	Ave Income	5.20E-007	.000	.066	23.889	.000
	% Waterborne Sanitation	.049	.003	.027	15.294	.000
	Ave Max Temperature	-.007	.001	-.026	-12.081	.000
	Annual Precipitation	5.36E-005	.000	.018	7.533	.000
11	**(Constant)**	-1.563	.029		-53.555	.000
	Stand Area	.001	.000	.151	85.627	.000
	Geographic Location	-.133	.003	-.150	-48.051	.000
	Ln (Stand Value)	.085	.001	.147	76.281	.000
	Mean Evaporation	.000	.000	.102	43.264	.000
	Ave Min Temperature	.024	.000	.124	50.293	.000
	% Unemployment	.270	.007	.123	36.511	.000
	Ave Income	5.10E-007	.000	.065	23.374	.000
	% Waterborne Sanitation	.039	.004	.021	10.898	.000
	Ave Max Temperature	-.006	.001	-.022	-9.800	.000
	Annual Precipitation	5.99E-005	.000	.020	8.345	.000
	% Water Connection	.030	.004	.021	6.892	.000
12	**(Constant)**	-1.523	.030		-50.990	.000
	Stand Area	.001	.000	.151	85.821	.000
	Geographic Location	-.135	.003	-.152	-48.464	.000
	Ln (Stand Value)	.084	.001	.146	75.517	.000
	Mean Evaporation	.000	.000	.097	39.936	.000
	Ave Min Temperature	.024	.000	.122	49.528	.000
	% Unemployment	.288	.008	.131	36.538	.000
	Ave Income	4.76E-007	.000	.060	21.271	.000
	% Waterborne Sanitation	.037	.004	.020	10.339	.000
	Ave Max Temperature	-.006	.001	-.019	-8.634	.000
	Annual Precipitation	4.83E-005	.000	.016	6.533	.000
	% Water Connection	.043	.005	.030	9.017	.000
	Ave Household Size	-.009	.001	-.013	-6.485	.000
13	**(Constant)**	-1.501	.030		-49.683	.000
	Stand Area	.001	.000	.152	85.945	.000
	Geographic Location	-.137	.003	-.155	-48.577	.000
	Ln (Stand Value)	.084	.001	.145	74.373	.000
	Mean Evaporation	.000	.000	.096	38.924	.000
	Ave Min Temperature	.024	.000	.122	49.445	.000
	% Unemployment	.288	.008	.131	36.503	.000
	Ave Income	4.61E-007	.000	.058	20.344	.000
	% Waterborne	.023	.005	.012	4.966	.000

	Sanitation					
	Ave Max Temperature	-.006	.001	-.020	-9.058	.000
	Annual Precipitation	4.66E-005	.000	.016	6.293	.000
	% Water Connection	.039	.005	.027	7.888	.000
	Ave Household Size	-.010	.001	-.015	-7.141	.000
	% Formal Housing	.027	.006	.013	4.627	.000
14	**(Constant)**	-1.503	.030		-49.743	.000
	Stand Area	.001	.000	.153	86.004	.000
	Geographic Location	-.137	.003	-.155	-48.686	.000
	Ln (Stand Value)	.084	.001	.145	74.418	.000
	Mean Evaporation	.000	.000	.095	38.532	.000
	Ave Min Temperature	.023	.000	.120	47.307	.000
	% Unemployment	.273	.008	.124	32.424	.000
	Ave Income	5.25E-007	.000	.067	20.152	.000
	% Waterborne Sanitation	.020	.005	.011	4.235	.000
	Ave Max Temperature	-.005	.001	-.017	-7.494	.000
	Annual Precipitation	4.77E-005	.000	.016	6.436	.000
	% Water Connection	.036	.005	.025	7.383	.000
	Ave Household Size	-.006	.002	-.009	-3.783	.000
	% Formal Housing	.035	.006	.017	5.807	.000
	Ave House Size	-.007	.001	-.015	-4.976	.000

a Dependent Variable: Ln(Water Demand)

Excluded Variables(o)

Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**Annual Precipitation**	.087(a)	58.191	.000	.088	.982
	Ave Max Temperature	.016(a)	10.920	.000	.017	1.000
	Ave Min Temperature	-.041(a)	-27.968	.000	-.042	.999
	Mean Evaporation	.089(a)	60.338	.000	.091	.998
	% Unemployment	.032(a)	20.911	.000	.032	.905
	% Formal Housing	-.010(a)	-6.953	.000	-.011	.974
	Ave Household Size	-.059(a)	-39.584	.000	-.060	.975
	Ave House Size	-.013(a)	-8.509	.000	-.013	.932
	Ave Income	.026(a)	17.103	.000	.026	.950
	% Water Connection	-.039(a)	-25.954	.000	-.039	.952
	% Waterborne Sanitation	-.004(a)	-2.444	.015	-.004	.974
	Geographic Location	-.118(a)	-79.619	.000	-.120	.989
	Ln(Stand Area)	-.007(a)	-1.057	.290	-.002	.050
	Ln (Stand Value)	.097(a)	58.900	.000	.089	.793

2	**Annual Precipitation**	-.004(b)	-1.903	.057	-.003	.431
	Ave Max Temperature	-.042(b)	-25.568	.000	-.039	.817
	Ave Min Temperature	.027(b)	15.722	.000	.024	.727
	Mean Evaporation	.048(b)	29.366	.000	.045	.816
	% Unemployment	-.007(b)	-4.209	.000	-.006	.816
	% Formal Housing	.026(b)	16.840	.000	.026	.892
	Ave Household Size	-.041(b)	-27.516	.000	-.042	.951
	Ave House Size	.004(b)	2.780	.005	.004	.913
	Ave Income	.057(b)	36.849	.000	.056	.898
	% Water Connection	.031(b)	17.386	.000	.026	.699
	% Waterborne Sanitation	.001(b)	.554	.580	.001	.973
	Ln(Stand Area)	-.182(b)	-26.584	.000	-.040	.046
	Ln (Stand Value)	.131(b)	78.163	.000	.118	.757
3	**Annual Precipitation**	.008(c)	3.735	.000	.006	.429
	Ave Max Temperature	-.025(c)	-15.190	.000	-.023	.801
	Ave Min Temperature	.031(c)	17.879	.000	.027	.727
	Mean Evaporation	.054(c)	33.228	.000	.050	.814
	% Unemployment	.041(c)	23.784	.000	.036	.721
	% Formal Housing	.010(c)	6.121	.000	.009	.874
	Ave Household Size	-.010(c)	-6.241	.000	-.009	.878
	Ave House Size	-.029(c)	-18.363	.000	-.028	.850
	Ave Income	.009(c)	5.028	.000	.008	.743
	% Water Connection	.007(c)	4.004	.000	.006	.678
	% Waterborne Sanitation	-.001(c)	-.977	.329	-.001	.973
	Ln(Stand Area)	-.082(c)	-11.779	.000	-.018	.044
4	**Annual Precipitation**	.013(d)	5.893	.000	.009	.427
	Ave Max Temperature	.005(d)	2.859	.004	.004	.576
	Ave Min Temperature	.111(d)	50.420	.000	.076	.436
	% Unemployment	.037(d)	21.693	.000	.033	.718
	% Formal Housing	.003(d)	2.118	.034	.003	.861
	Ave Household Size	.000(d)	.080	.936	.000	.846
	Ave House Size	-.023(d)	-14.688	.000	-.022	.839
	Ave Income	.005(d)	3.183	.001	.005	.741
	% Water Connection	-.004(d)	-2.418	.016	-.004	.653
	% Waterborne Sanitation	-.004(d)	-2.450	.014	-.004	.971
	Ln(Stand Area)	-.062(d)	-8.841	.000	-.013	.044
5	**Annual Precipitation**	.039(e)	17.330	.000	.026	.407
	Ave Max Temperature	-.035(e)	-16.830	.000	-.026	.498
	% Unemployment	.048(e)	27.747	.000	.042	.709
	% Formal Housing	-.002(e)	-1.585	.113	-.002	.857

	Ave Household Size	.001(e)	.617	.538	.001	.846
	Ave House Size	-.030(e)	-18.587	.000	-.028	.834
	Ave Income	-.011(e)	-6.283	.000	-.010	.715
	% Water Connection	-.017(e)	-9.442	.000	-.014	.641
	% Waterborne Sanitation	-.003(e)	-1.719	.086	-.003	.970
	Ln(Stand Area)	-.015(e)	-2.194	.028	-.003	.043
6	**Annual Precipitation**	.036(f)	15.649	.000	.024	.405
	Ave Max Temperature	-.032(f)	-15.617	.000	-.024	.497
	% Formal Housing	.029(f)	15.660	.000	.024	.612
	Ave Household Size	-.017(f)	-9.904	.000	-.015	.739
	Ave House Size	.001(f)	.381	.703	.001	.448
	Ave Income	.065(f)	24.031	.000	.036	.286
	% Water Connection	.041(f)	15.569	.000	.024	.303
	% Waterborne Sanitation	.025(f)	14.610	.000	.022	.714
	Ln(Stand Area)	-.027(f)	-3.821	.000	-.006	.043
7	**Annual Precipitation**	.028(g)	12.063	.000	.018	.395
	Ave Max Temperature	-.032(g)	-15.551	.000	-.024	.497
	% Formal Housing	.028(g)	15.236	.000	.023	.612
	Ave Household Size	-.008(g)	-4.548	.000	-.007	.700
	Ave House Size	-.019(g)	-8.430	.000	-.013	.395
	% Water Connection	.041(g)	15.573	.000	.024	.303
	% Waterborne Sanitation	.030(g)	17.149	.000	.026	.707
	Ln(Stand Area)	-.005(g)	-.767	.443	-.001	.042
8	**Annual Precipitation**	.024(h)	10.543	.000	.016	.392
	Ave Max Temperature	-.029(h)	-14.155	.000	-.022	.494
	% Formal Housing	.012(h)	4.419	.000	.007	.307
	Ave Household Size	-.011(h)	-6.116	.000	-.009	.695
	Ave House Size	-.022(h)	-9.550	.000	-.015	.393
	% Water Connection	.027(h)	9.173	.000	.014	.249
	Ln(Stand Area)	-.019(h)	-2.704	.007	-.004	.042
9	**Annual Precipitation**	.018(i)	7.533	.000	.011	.372
	% Formal Housing	.014(i)	5.182	.000	.008	.306
	Ave Household Size	-.008(i)	-4.804	.000	-.007	.688
	Ave House Size	-.014(i)	-5.622	.000	-.009	.359
	% Water Connection	.018(i)	5.882	.000	.009	.234
	Ln(Stand Area)	-.013(i)	-1.817	.069	-.003	.041
10	**% Formal Housing**	.014(j)	5.382	.000	.008	.306
	Ave Household Size	-.005(j)	-2.871	.004	-.004	.638
	Ave House Size	-.012(j)	-4.795	.000	-.007	.354
	% Water Connection	.021(j)	6.892	.000	.010	.230

	Ln(Stand Area)	-.012(j)	-1.623	.105	-.002	.041
11	**% Formal Housing**	.010(k)	3.531	.000	.005	.280
	Ave Household Size	-.013(k)	-6.485	.000	-.010	.519
	Ave House Size	-.016(k)	-6.341	.000	-.010	.340
	Ln(Stand Area)	-.009(k)	-1.332	.183	-.002	.041
12	**% Formal Housing**	.013(l)	4.627	.000	.007	.273
	Ave House Size	-.010(l)	-3.528	.000	-.005	.251
	Ln(Stand Area)	-.009(l)	-1.234	.217	-.002	.041
13	**Ave House Size**	-.015(m)	-4.976	.000	-.008	.233
	Ln(Stand Area)	-.006(m)	-.780	.436	-.001	.041
14	**Ln(Stand Area)**	-.004(n)	-.566	.572	-.001	.041

a Predictors in the Model: (Constant), Stand Area

b Predictors in the Model: (Constant), Stand Area, Geographic Location

c Predictors in the Model: (Constant), Stand Area, Geographic Location, Ln (Stand Value)

d Predictors in the Model: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation

e Predictors in the Model: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature

f Predictors in the Model: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment

g Predictors in the Model: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income

h Predictors in the Model: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation

i Predictors in the Model: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature

j Predictors in the Model: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation

k Predictors in the Model: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation, % Water Connection

l Predictors in the Model: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation, % Water Connection, Ave Household Size

m Predictors in the Model: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation, % Water Connection, Ave Household Size, % Formal Housing

n Predictors in the Model: (Constant), Stand Area, Geographic Location, Ln (Stand Value), Mean Evaporation, Ave Min Temperature, % Unemployment, Ave Income, % Waterborne Sanitation, Ave Max Temperature, Annual Precipitation, % Water Connection, Ave Household Size, % Formal Housing, Ave House Size

o Dependent Variable: Ln(Water Demand)

Single Variable Regression

Descriptive Statistics			
	N	**Mean**	**Variance**
log(Water Demand)	478901	.0853	.162
log(Stand Area)	478901	5.7123	.110
log (Stand Value)	478901	11.0412	.520
Valid N (listwise)	478901		

Regression

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.211(a)	.044	.044	.39310
a Predictors: (Constant), log(Stand Area)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	3436.527	1	3436.527	22238.458	.000(a)
	Residual	74004.655	478899	.155		
	Total	77441.182	478900			
a Predictors: (Constant), log(Stand Area)						
b Dependent Variable: log(Water Demand)						

Coefficients(a)								
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
		B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
1	**(Constant)**	-1.371	.010		-140.154	.000	-1.391	-1.352
	log(Stand Area)	.255	.002	.211	149.126	.000	.252	.258
a Dependent Variable: log(Water Demand)								

Regression

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.190(a)	.036	.036	.39477

a Predictors: (Constant), log (Stand Value)

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	2809.203	1	2809.203	18026.113	.000(a)
	Residual	74631.979	478899	.156		
	Total	77441.182	478900			
a Predictors: (Constant), log (Stand Value)						
b Dependent Variable: log(Water Demand)						

Coefficients(a)								
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
		B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
1	**(Constant)**	-1.088	.009		-124.230	.000	-1.105	-1.070
	log (Stand Value)	.106	.001	.190	134.261	.000	.105	.108
a Dependent Variable: log(Water Demand)								

Descriptives

Descriptive Statistics				
Geographic Location		**N**	**Mean**	**Variance**
Inland	**log(Water Demand)**	333881	.1201	.184
	log(Stand Area)	333881	5.7462	.074
	log (Stand Value)	333881	10.9652	.468
	Valid N (listwise)	333881		
Coastal	**log(Water Demand)**	145020	.0053	.101
	log(Stand Area)	145020	5.6342	.184
	log (Stand Value)	145020	11.2161	.594
	Valid N (listwise)	145020		

Regression

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.202(a)	.041	.041	.42038
Coastal	**1**	.217(a)	.047	.047	.30977
a Predictors: (Constant), log(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	2502.958	1	2502.958	14163.436	.000(a)
		Residual	59002.986	333879	.177		
		Total	61505.944	333880			
Coastal	**1**	**Regression**	687.925	1	687.925	7169.199	.000(a)
		Residual	13915.302	145018	.096		
		Total	14603.227	145019			
a Predictors: (Constant), log(Stand Area)							
b Dependent Variable: log(Water Demand)							

Coefficients(a)								
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**
			B	**Std. Error**	**Beta**			**Lower Bound** / **Upper Bound**
Inland	**1**	**(Constant)**	-1.703	.015		-111.046	.000	-1.733 / -1.673
		log(Stand Area)	.317	.003	.202	119.010	.000	.312 / .322
Coastal	**1**	**(Constant)**	-.899	.011		-83.932	.000	-.920 / -.878
		log(Stand Area)	.160	.002	.217	84.671	.000	.157 / .164
a Dependent Variable: log(Water Demand)								

Regression

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.236(a)	.056	.056	.41704
Coastal	**1**	.174(a)	.030	.030	.31249
a Predictors: (Constant), log (Stand Value)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	3436.793	1	3436.793	19760.460	.000(a)
		Residual	58069.151	333879	.174		
		Total	61505.944	333880			
Coastal	**1**	**Regression**	441.935	1	441.935	4525.617	.000(a)
		Residual	14161.292	145018	.098		
		Total	14603.227	145019			

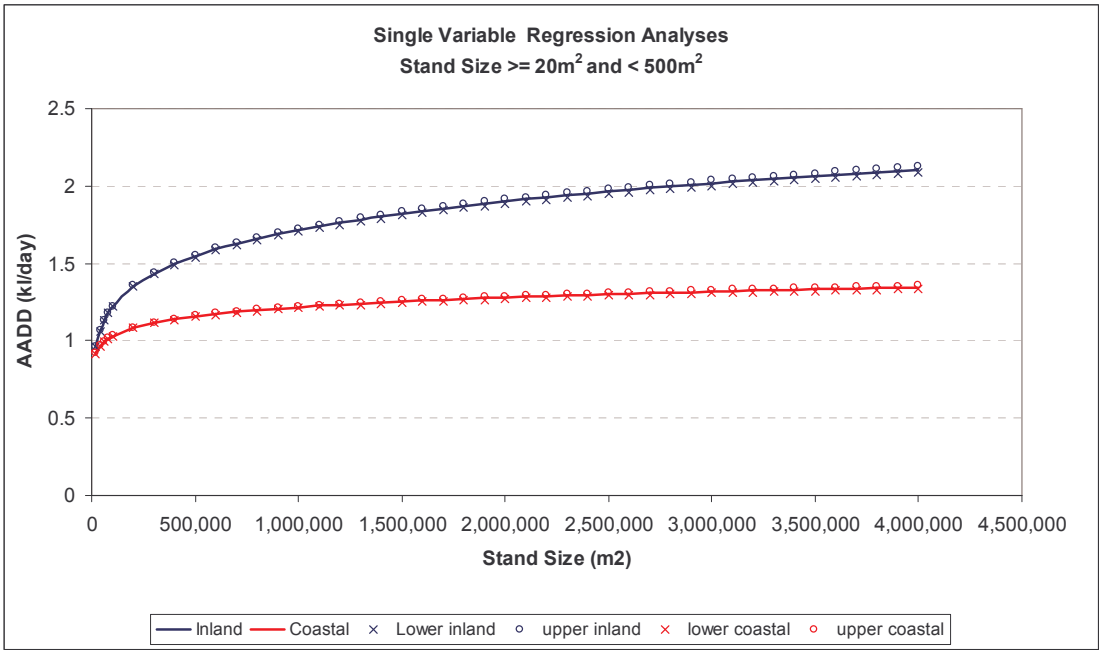
a Predictors: (Constant), log (Stand Value)
b Dependent Variable: log(Water Demand)

Coefficients(a)

Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
			B	Std. Error	Beta			Lower Bound	Upper Bound
Inland	1	(Constant)	-1.505	.012		-129.934	.000	-1.528	-1.483
		log (Stand Value)	.148	.001	.236	140.572	.000	.146	.150
Coastal	1	(Constant)	-.798	.012		-66.671	.000	-.821	-.774
		log (Stand Value)	.072	.001	.174	67.273	.000	.070	.074

a Dependent Variable: log(Water Demand)

Graphs



User Category: RES 750:

Stands Size >=500 m^2 and < 750m^2

Multi Variable Regression

Descriptives

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Stand Area	144381	500	749	620.43	74.100
Water Demand	144381	.00	1246.49	.9095	5.16744
Stand Value	144351	-26720	6250000	194251.05	192993.623
Mean Precipitation	144381	109.00	882.10	604.6712	155.95045
Ave Max Temp	127453	20.76	27.04	23.4034	1.61390
Ave Min Temp	127453	7.43	13.82	11.2557	1.75183
Mean Evaporation	143873	1361.00	2690.00	1933.0968	294.99638
% unemployed	133132	.01	.83	.2172	.16309
% Formal Housig	133132	.05	.99	.8559	.17793
Ave Household Size	133132	1.12	5.14	3.2139	.57659
Ave House Size	133132	1.73	6.47	4.2341	.79504
Ave Income	133132	8229.28	310992.90	99288.0001	62881.72832
% Water connection	133132	.01	.97	.6792	.23580
% Waterborne Sanitation	133132	.01	.99	.8664	.18665
Geographic Location	144381	1	2	1.40	.490
Valid N (listwise)	118206				

Descriptives

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Stand Area	144381	500	749	620.43	74.100
Water Demand	144381	.00	1246.49	.9095	5.16744
Stand Value	136829	20020	6250000	204431.10	193140.014
Mean Precipitation	144381	109.00	882.10	604.6712	155.95045
Ave Max Temp	127453	20.76	27.04	23.4034	1.61390
Ave Min Temp	127453	7.43	13.82	11.2557	1.75183
Mean Evaporation	143873	1361.00	2690.00	1933.0968	294.99638
% unemployed	133132	.01	.83	.2172	.16309

% Formal Housig	133132	.05	.99	.8559	.17793
Ave Household Size	133132	1.12	5.14	3.2139	.57659
Ave House Size	133132	1.73	6.47	4.2341	.79504
Ave Income	133132	8229.28	310992.90	99288.0001	62881.72832
% Water connection	133132	.01	.97	.6792	.23580
% Waterborne Sanitation	133132	.01	.99	.8664	.18665
Geographic Location	144381	1	2	1.40	.490
Valid N (listwise)	112444				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	log(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	Geographic Location	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	Ave Income	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	Mean Precipitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	Ave House Size	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	Stand Area	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	% Water connection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	Ave Max Temp	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
9	Mean Evaporation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	Stand Value	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	% unemployed	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
12	Ave Min Temp	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
13	Ave Household Size	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
14	log(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: log(Water Demand)			

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**

1	.193(a)	.037	.037	.37967
2	.249(b)	.062	.062	.37475
3	.266(c)	.071	.071	.37306
4	.279(d)	.078	.078	.37166
5	.291(e)	.085	.085	.37019
6	.297(f)	.088	.088	.36954
7	.301(g)	.091	.090	.36904
8	.306(h)	.094	.094	.36842
9	.311(i)	.097	.097	.36777
10	.315(j)	.100	.099	.36722
11	.318(k)	.101	.101	.36689
12	.319(l)	.102	.101	.36680
13	.319(m)	.102	.102	.36671
14	.320(n)	.102	.102	.36670

a Predictors: (Constant), log(Stand Value)

b Predictors: (Constant), log(Stand Value), Geographic Location

c Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income

d Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation

e Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size

f Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area

g Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection

h Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp

i Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation

j Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value

k Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value, % unemployed

l Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value, % unemployed, Ave Min Temp

m Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value, % unemployed, Ave Min Temp, Ave Household Size

n Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value, % unemployed, Ave Min Temp, Ave Household Size, log(Stand Area)

ANOVA(o)

Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	628.909	1	628.909	4362.906	.000(a)
	Residual	16208.424	112442	.144		

	Total	16837.334	112443			
2	**Regression**	1046.215	2	523.108	3724.799	.000(b)
	Residual	15791.118	112441	.140		
	Total	16837.334	112443			
3	**Regression**	1188.683	3	396.228	2847.008	.000(c)
	Residual	15648.651	112440	.139		
	Total	16837.334	112443			
4	**Regression**	1306.054	4	326.513	2363.801	.000(d)
	Residual	15531.280	112439	.138		
	Total	16837.334	112443			
5	**Regression**	1428.696	5	285.739	2085.061	.000(e)
	Residual	15408.637	112438	.137		
	Total	16837.334	112443			
6	**Regression**	1482.558	6	247.093	1809.365	.000(f)
	Residual	15354.776	112437	.137		
	Total	16837.334	112443			
7	**Regression**	1524.590	7	217.799	1599.217	.000(g)
	Residual	15312.744	112436	.136		
	Total	16837.334	112443			
8	**Regression**	1576.534	8	197.067	1451.903	.000(h)
	Residual	15260.799	112435	.136		
	Total	16837.334	112443			
9	**Regression**	1630.452	9	181.161	1339.439	.000(i)
	Residual	15206.882	112434	.135		
	Total	16837.334	112443			
10	**Regression**	1675.358	10	167.536	1242.355	.000(j)
	Residual	15161.975	112433	.135		
	Total	16837.334	112443			
11	**Regression**	1702.677	11	154.789	1149.892	.000(k)
	Residual	15134.657	112432	.135		
	Total	16837.334	112443			
12	**Regression**	1710.259	12	142.522	1059.282	.000(l)
	Residual	15127.075	112431	.135		
	Total	16837.334	112443			
13	**Regression**	1717.859	13	132.143	982.629	.000(m)
	Residual	15119.474	112430	.134		
	Total	16837.334	112443			
14	**Regression**	1718.771	14	122.769	912.973	.000(n)
	Residual	15118.562	112429	.134		
	Total	16837.334	112443			

a Predictors: (Constant), log(Stand Value)

b Predictors: (Constant), log(Stand Value), Geographic Location

c Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income
d Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation
e Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size
f Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area
g Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection
h Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp
i Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation
j Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value
k Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value, % unemployed
l Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value, % unemployed, Ave Min Temp
m Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value, % unemployed, Ave Min Temp, Ave Household Size
n Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value, % unemployed, Ave Min Temp, Ave Household Size, log(Stand Area)
o Dependent Variable: log(Water Demand)

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.9203865312	.018		-51.079	.000
	log(Stand Value)	.0990852026	.002	.193	66.052	.000
2	(Constant)	-.9450544914	.018		-53.120	.000
	log(Stand Value)	.1159230353	.002	.226	76.641	.000
	Geographic Location	-.1278140283	.002	-.161	-54.511	.000
3	(Constant)	-.7786872222	.018		-42.186	.000
	log(Stand Value)	.0950082605	.002	.185	57.879	.000
	Geographic Location	-.1145393142	.002	-.144	-48.314	.000
	Ave Income	.0000006242	.000	.101	31.995	.000
4	(Constant)	-.5510974091	.020		-27.585	.000
	log(Stand Value)	.0955301937	.002	.186	58.413	.000
	Geographic Location	-.1664553560	.003	-.209	-56.271	.000
	Ave Income	.0000006346	.000	.102	32.645	.000
	Mean Precipitation	-.0002688817	.000	-.106	-29.150	.000
5	(Constant)	-.3221203449	.021		-15.109	.000

	log(Stand Value)	.0953331498	.002	.186	58.523	.000
	Geographic Location	-.1698982214	.003	-.214	-57.619	.000
	Ave Income	.0000011872	.000	.191	44.364	.000
	Mean Precipitation	-.0002954027	.000	-.116	-32.003	.000
	Ave House Size	-.0617763032	.002	-.123	-29.915	.000
6	**(Constant)**	-.4501329420	.022		-20.242	.000
	log(Stand Value)	.0900988863	.002	.176	54.693	.000
	Geographic Location	-.1679377610	.003	-.211	-57.022	.000
	Ave Income	.0000011650	.000	.188	43.571	.000
	Mean Precipitation	-.0002977745	.000	-.117	-32.314	.000
	Ave House Size	-.0601146233	.002	-.120	-29.138	.000
	Stand Area	.0002975199	.000	.058	19.860	.000
7	**(Constant)**	-.3848751300	.023		-17.093	.000
	log(Stand Value)	.0875867266	.002	.171	53.041	.000
	Geographic Location	-.1942155389	.003	-.244	-58.859	.000
	Ave Income	.0000010696	.000	.172	39.259	.000
	Mean Precipitation	-.0002955400	.000	-.116	-32.112	.000
	Ave House Size	-.0816700525	.002	-.163	-34.058	.000
	Stand Area	.0002910059	.000	.056	19.445	.000
	% Water connection	.1503778307	.009	.082	17.568	.000
8	**(Constant)**	-.9600159291	.037		-25.941	.000
	log(Stand Value)	.0970169981	.002	.189	56.486	.000
	Geographic Location	-.1647889584	.004	-.207	-45.506	.000
	Ave Income	.0000010546	.000	.170	38.758	.000
	Mean Precipitation	-.0002423601	.000	-.096	-25.295	.000
	Ave House Size	-.0981414072	.003	-.196	-38.674	.000
	Stand Area	.0002887020	.000	.056	19.324	.000
	% Water connection	.1958425932	.009	.107	22.115	.000
	Ave Max Temp	.0184614570	.001	.075	19.563	.000
9	**(Constant)**	-1.5494077009	.047		-32.765	.000
	log(Stand Value)	.1051494955	.002	.205	59.668	.000
	Geographic Location	-.1094748780	.005	-.138	-24.037	.000
	Ave Income	.0000010027	.000	.162	36.744	.000
	Mean Precipitation	-.0001740777	.000	-.069	-17.138	.000
	Ave House Size	-.0930944565	.003	-.186	-36.568	.000
	Stand Area	.0002705128	.000	.052	18.104	.000
	% Water connection	.1728920570	.009	.094	19.394	.000
	Ave Max Temp	.0259684470	.001	.106	25.602	.000
	Mean Evaporation	.0001059157	.000	.074	19.966	.000
10	**(Constant)**	-1.1345541546	.052		-21.649	.000
	log(Stand Value)	.0680097782	.003	.133	25.278	.000
	Geographic Location	-.1174260922	.005	-.148	-25.703	.000

	Ave Income	.0000009753	.000	.157	35.741	.000
	Mean Precipitation	-.0001852183	.000	-.073	-18.228	.000
	Ave House Size	-.0932107890	.003	-.186	-36.668	.000
	Stand Area	.0002846631	.000	.055	19.054	.000
	% Water connection	.1944175651	.009	.106	21.652	.000
	Ave Max Temp	.0255339361	.001	.104	25.204	.000
	Mean Evaporation	.0001064451	.000	.075	20.095	.000
	Stand Value	.0000001722	.000	.088	18.248	.000
11	**(Constant)**	-1.4058199430	.056		-25.233	.000
	log(Stand Value)	.0778105355	.003	.152	28.043	.000
	Geographic Location	-.1125341133	.005	-.142	-24.585	.000
	Ave Income	.0000011682	.000	.188	38.376	.000
	Mean Precipitation	-.0001789931	.000	-.071	-17.615	.000
	Ave House Size	-.0805239068	.003	-.161	-29.919	.000
	Stand Area	.0002897685	.000	.056	19.407	.000
	% Water connection	.2369922629	.009	.129	25.063	.000
	Ave Max Temp	.0257184260	.001	.105	25.407	.000
	Mean Evaporation	.0001004588	.000	.070	18.923	.000
	Stand Value	.0000001571	.000	.080	16.556	.000
	% unemployed	.2274516127	.016	.087	14.246	.000
12	**(Constant)**	-1.4571960331	.056		-25.966	.000
	log(Stand Value)	.0796097052	.003	.155	28.592	.000
	Geographic Location	-.1243994370	.005	-.157	-25.695	.000
	Ave Income	.0000011627	.000	.187	38.192	.000
	Mean Precipitation	-.0001749180	.000	-.069	-17.194	.000
	Ave House Size	-.0774856602	.003	-.155	-28.477	.000
	Stand Area	.0002908168	.000	.056	19.482	.000
	% Water connection	.2286091713	.010	.125	24.015	.000
	Ave Max Temp	.0221320391	.001	.090	19.777	.000
	Mean Evaporation	.0001192893	.000	.084	20.320	.000
	Stand Value	.0000001520	.000	.078	15.985	.000
	% unemployed	.2355276380	.016	.090	14.722	.000
	Ave Min Temp	.0073019588	.001	.033	7.507	.000
13	**(Constant)**	-1.4891516978	.056		-26.466	.000
	log(Stand Value)	.0819360323	.003	.160	29.255	.000
	Geographic Location	-.1263187345	.005	-.159	-26.061	.000
	Ave Income	.0000012626	.000	.204	38.018	.000
	Mean Precipitation	-.0001683947	.000	-.066	-16.497	.000
	Ave House Size	-.0854479364	.003	-.171	-29.271	.000
	Stand Area	.0002922267	.000	.057	19.579	.000
	% Water connection	.2154991020	.010	.117	22.273	.000
	Ave Max Temp	.0207437067	.001	.085	18.293	.000

	Mean Evaporation	.0001236257	.000	.087	20.963	.000
	Stand Value	.0000001490	.000	.076	15.658	.000
	% unemployed	.1813535272	.018	.069	10.338	.000
	Ave Min Temp	.0074430895	.001	.034	7.652	.000
	Ave Household Size	.0215663979	.003	.032	7.518	.000
14	**(Constant)**	.8670036161	.906		.957	.339
	log(Stand Value)	.0822801354	.003	.160	29.346	.000
	Geographic Location	-.1264113332	.005	-.159	-26.080	.000
	Ave Income	.0000012539	.000	.202	37.567	.000
	Mean Precipitation	-.0001700824	.000	-.067	-16.629	.000
	Ave House Size	-.0848120235	.003	-.169	-28.953	.000
	Stand Area	.0009943832	.000	.193	3.683	.000
	% Water connection	.2151628545	.010	.117	22.237	.000
	Ave Max Temp	.0206719792	.001	.084	18.225	.000
	Mean Evaporation	.0001232747	.000	.086	20.898	.000
	Stand Value	.0000001488	.000	.076	15.633	.000
	% unemployed	.1823332957	.018	.070	10.391	.000
	Ave Min Temp	.0074815615	.001	.034	7.691	.000
	Ave Household Size	.0212082824	.003	.031	7.385	.000
	log(Stand Area)	-.4349005169	.167	-.136	-2.605	.009

a Dependent Variable: log(Water Demand)

Excluded Variables(o)

Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**Stand Area**	.070(a)	23.712	.000	.071	.970
	Stand Value	.054(a)	11.103	.000	.033	.357
	Mean Precipitation	.031(a)	10.648	.000	.032	.988
	Ave Max Temp	.134(a)	43.907	.000	.130	.909
	Ave Min Temp	-.058(a)	-19.890	.000	-.059	.998
	Mean Evaporation	.143(a)	48.755	.000	.144	.972
	% unemployed	-.014(a)	-4.277	.000	-.013	.777
	% Formal Housig	.016(a)	5.271	.000	.016	.953
	Ave Household Size	-.048(a)	-15.205	.000	-.045	.841
	Ave House Size	.025(a)	8.146	.000	.024	.928
	Ave Income	.127(a)	40.665	.000	.120	.862
	% Water connection	.002(a)	.589	.556	.002	.873
	% Waterborne Sanitation	.017(a)	5.605	.000	.017	.950
	Geographic Location	-.161(a)	-54.511	.000	-.160	.958
	log(Stand Area)	.068(a)	23.056	.000	.069	.968
2	**Stand Area**	.061(b)	20.932	.000	.062	.966

	Stand Value	.065(b)	13.510	.000	.040	.357
	Mean Precipitation	-.104(b)	-28.421	.000	-.084	.621
	Ave Max Temp	.069(b)	20.048	.000	.060	.692
	Ave Min Temp	.031(b)	9.271	.000	.028	.734
	Mean Evaporation	.088(b)	26.590	.000	.079	.760
	% unemployed	-.027(b)	-8.365	.000	-.025	.772
	% Formal Housig	.040(b)	13.536	.000	.040	.933
	Ave Household Size	-.024(b)	-7.401	.000	-.022	.822
	Ave House Size	.008(b)	2.582	.010	.008	.918
	Ave Income	.101(b)	31.995	.000	.095	.836
	% Water connection	.067(b)	20.348	.000	.061	.773
	% Waterborne Sanitation	.043(b)	14.267	.000	.043	.928
	log(Stand Area)	.060(b)	20.501	.000	.061	.966
3	**Stand Area**	.060(c)	20.403	.000	.061	.966
	Stand Value	.070(c)	14.578	.000	.043	.356
	Mean Precipitation	-.106(c)	-29.150	.000	-.087	.621
	Ave Max Temp	.052(c)	14.842	.000	.044	.672
	Ave Min Temp	.021(c)	6.253	.000	.019	.727
	Mean Evaporation	.083(c)	25.341	.000	.075	.759
	% unemployed	.116(c)	23.534	.000	.070	.339
	% Formal Housig	-.012(c)	-3.361	.001	-.010	.686
	Ave Household Size	.031(c)	8.580	.000	.026	.641
	Ave House Size	-.111(c)	-26.844	.000	-.080	.484
	% Water connection	.008(c)	1.942	.052	.006	.505
	% Waterborne Sanitation	.001(c)	.274	.784	.001	.748
	log(Stand Area)	.059(c)	20.114	.000	.060	.965
4	**Stand Area**	.061(d)	20.980	.000	.062	.966
	Stand Value	.080(d)	16.653	.000	.050	.355
	Ave Max Temp	.025(d)	6.847	.000	.020	.617
	Ave Min Temp	.014(d)	4.285	.000	.013	.724
	Mean Evaporation	.066(d)	19.606	.000	.058	.724
	% unemployed	.117(d)	23.886	.000	.071	.339
	% Formal Housig	-.016(d)	-4.714	.000	-.014	.684
	Ave Household Size	.015(d)	4.168	.000	.012	.626
	Ave House Size	-.123(d)	-29.915	.000	-.089	.479
	% Water connection	.001(d)	.175	.861	.001	.503
	% Waterborne Sanitation	.003(d)	.952	.341	.003	.748
	log(Stand Area)	.060(d)	20.593	.000	.061	.965
5	**Stand Area**	.058(e)	19.860	.000	.059	.964
	Stand Value	.070(e)	14.681	.000	.044	.353

	Ave Max Temp	.053(e)	14.225	.000	.042	.584
	Ave Min Temp	.023(e)	6.919	.000	.021	.718
	Mean Evaporation	.054(e)	15.930	.000	.047	.712
	% unemployed	.055(e)	9.540	.000	.028	.244
	% Formal Housig	.053(e)	13.070	.000	.039	.493
	Ave Household Size	.058(e)	15.066	.000	.045	.556
	% Water connection	.084(e)	18.025	.000	.054	.372
	% Waterborne Sanitation	.045(e)	12.730	.000	.038	.649
	log(Stand Area)	.057(e)	19.592	.000	.058	.964
6	**Stand Value**	.076(f)	15.830	.000	.047	.352
	Ave Max Temp	.053(f)	14.228	.000	.042	.584
	Ave Min Temp	.025(f)	7.500	.000	.022	.718
	Mean Evaporation	.050(f)	14.830	.000	.044	.710
	% unemployed	.059(f)	10.196	.000	.030	.244
	% Formal Housig	.048(f)	11.913	.000	.036	.491
	Ave Household Size	.060(f)	15.654	.000	.047	.556
	% Water connection	.082(f)	17.568	.000	.052	.371
	% Waterborne Sanitation	.042(f)	11.879	.000	.035	.647
	log(Stand Area)	-.225(f)	-4.278	.000	-.013	.003
7	**Stand Value**	.090(g)	18.608	.000	.055	.344
	Ave Max Temp	.075(g)	19.563	.000	.058	.543
	Ave Min Temp	.030(g)	9.001	.000	.027	.713
	Mean Evaporation	.039(g)	11.246	.000	.034	.675
	% unemployed	.102(g)	16.796	.000	.050	.219
	% Formal Housig	.006(g)	1.126	.260	.003	.297
	Ave Household Size	.062(g)	16.228	.000	.048	.555
	% Waterborne Sanitation	.011(g)	2.540	.011	.008	.447
	log(Stand Area)	-.206(g)	-3.931	.000	-.012	.003
8	**Stand Value**	.087(h)	18.106	.000	.054	.344
	Ave Min Temp	-.007(h)	-1.689	.091	-.005	.510
	Mean Evaporation	.074(h)	19.966	.000	.059	.582
	% unemployed	.107(h)	17.664	.000	.053	.218
	% Formal Housig	-.002(h)	-.448	.654	-.001	.295
	Ave Household Size	.050(h)	12.836	.000	.038	.536
	% Waterborne Sanitation	.008(h)	1.900	.057	.006	.446
	log(Stand Area)	-.186(h)	-3.553	.000	-.011	.003
9	**Stand Value**	.088(i)	18.248	.000	.054	.344
	Ave Min Temp	.034(i)	7.666	.000	.023	.415
	% unemployed	.098(i)	16.180	.000	.048	.217

	% Formal Housig	-.011(i)	-2.118	.034	-.006	.293
	Ave Household Size	.054(i)	14.051	.000	.042	.534
	% Waterborne Sanitation	-.003(i)	-.728	.467	-.002	.439
	log(Stand Area)	-.157(i)	-3.007	.003	-.009	.003
10	**Ave Min Temp**	.029(j)	6.525	.000	.019	.413
	% unemployed	.087(j)	14.246	.000	.042	.214
	% Formal Housig	-.014(j)	-2.696	.007	-.008	.293
	Ave Household Size	.049(j)	12.585	.000	.038	.530
	% Waterborne Sanitation	-.002(j)	-.426	.670	-.001	.438
	log(Stand Area)	-.148(j)	-2.824	.005	-.008	.003
11	**Ave Min Temp**	.033(k)	7.507	.000	.022	.411
	% Formal Housig	-.006(k)	-1.062	.288	-.003	.289
	Ave Household Size	.031(k)	7.370	.000	.022	.440
	% Waterborne Sanitation	-.010(k)	-2.335	.020	-.007	.431
	log(Stand Area)	-.148(k)	-2.839	.005	-.008	.003
12	**% Formal Housig**	.000(l)	.022	.982	.000	.283
	Ave Household Size	.032(l)	7.518	.000	.022	.440
	% Waterborne Sanitation	-.007(l)	-1.532	.125	-.005	.426
	log(Stand Area)	-.155(l)	-2.961	.003	-.009	.003
13	**% Formal Housig**	.002(m)	.449	.653	.001	.282
	% Waterborne Sanitation	-.004(m)	-.847	.397	-.003	.422
	log(Stand Area)	-.136(m)	-2.605	.009	-.008	.003
14	**% Formal Housig**	.002(n)	.384	.701	.001	.282
	% Waterborne Sanitation	-.004(n)	-.929	.353	-.003	.422

a Predictors in the Model: (Constant), log(Stand Value)

b Predictors in the Model: (Constant), log(Stand Value), Geographic Location

c Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income

d Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation

e Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size

f Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area

g Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection

h Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp

i Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation

j Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean

Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value
k Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value, % unemployed
l Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value, % unemployed, Ave Min Temp
m Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value, % unemployed, Ave Min Temp, Ave Household Size
n Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Mean Precipitation, Ave House Size, Stand Area, % Water connection, Ave Max Temp, Mean Evaporation, Stand Value, % unemployed, Ave Min Temp, Ave Household Size, log(Stand Area)
o Dependent Variable: log(Water Demand)

Single Variable Regression

Res750 Descriptives

Descriptive Statistics			
	N	**Mean**	**Variance**
log(Water Demand)	144381	.2213	.164
log(Stand Area)	144381	6.4232	.014
log(Stand Value)	136829	11.9337	.601
Valid N (listwise)	136829		

Regression

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.110(a)	.012	.012	.40246
a Predictors: (Constant), log(Stand Area)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	286.406	1	286.406	1768.225	.000(a)
	Residual	23385.591	144379	.162		
	Total	23671.997	144380			
a Predictors: (Constant), log(Stand Area)						
b Dependent Variable: log(Water Demand)						

Coefficients(a)								
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
		B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
1	**(Constant)**	-2.162	.057		-38.140	.000	-2.273	-2.051
	log(Stand Area)	.371	.009	.110	42.050	.000	.354	.388
a Dependent Variable: log(Water Demand)								

Regression

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.204(a)	.042	.042	.38504
a Predictors: (Constant), log(Stand Value)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	882.250	1	882.250	5950.862	.000(a)
	Residual	20285.397	136827	.148		
	Total	21167.647	136828			
a Predictors: (Constant), log(Stand Value)						
b Dependent Variable: log(Water Demand)						

Coefficients(a)								
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
		B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
1	**(Constant)**	-.998	.016		-62.187	.000	-1.030	-.967
	log(Stand Value)	.104	.001	.204	77.142	.000	.101	.106
a Dependent Variable: log(Water Demand)								

Descriptives

Descriptive Statistics				
Geographic Location		**N**	**Mean**	**Variance**
Inland	**log(Water Demand)**	86292	.2516	.182
	log(Stand Area)	86292	6.4222	.015
	log(Stand Value)	80474	11.7914	.517
	Valid N (listwise)	80474		
Coastal	**log(Water Demand)**	58089	.1763	.133
	log(Stand Area)	58089	6.4248	.013
	log(Stand Value)	56355	12.1368	.651
	Valid N (listwise)	56355		

Regression

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**

Inland	**1**	.126(a)	.016	.016	.42348
Coastal	**1**	.084(a)	.007	.007	.36397
a Predictors: (Constant), log(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	250.030	1	250.030	1394.191	.000(a)
		Residual	15475.006	86290	.179		
		Total	15725.036	86291			
Coastal	**1**	**Regression**	54.983	1	54.983	415.034	.000(a)
		Residual	7695.235	58087	.132		
		Total	7750.218	58088			
a Predictors: (Constant), log(Stand Area)							
b Dependent Variable: log(Water Demand)							

Coefficients(a)								
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**
			B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
Inland	**1**	**(Constant)**	-2.547	.075		-33.976	.000	-2.694	-2.400
		log(Stand Area)	.436	.012	.126	37.339	.000	.413	.459
Coastal	**1**	**(Constant)**	-1.549	.085		-18.288	.000	-1.715	-1.383
		log(Stand Area)	.269	.013	.084	20.372	.000	.243	.294
a Dependent Variable: log(Water Demand)									

Regression

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.271(a)	.073	.073	.39265
Coastal	**1**	.198(a)	.039	.039	.35644
a Predictors: (Constant), log(Stand Value)					

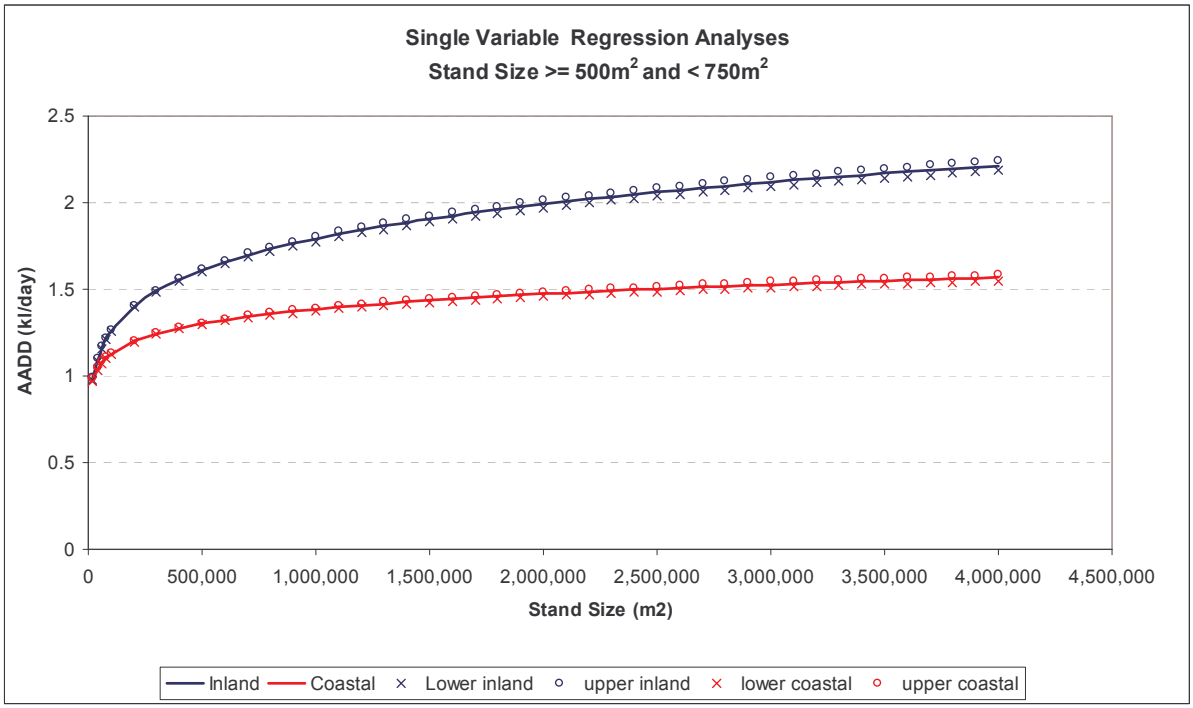
ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	980.311	1	980.311	6358.483	.000(a)
		Residual	12406.670	80472	.154		
		Total	13386.981	80473			

Coastal	**1**	**Regression**	291.938	1	291.938	2297.844	.000(a)
		Residual	7159.582	56353	.127		
		Total	7451.520	56354			
a Predictors: (Constant), log(Stand Value)							
b Dependent Variable: log(Water Demand)							

Coefficients(a)

Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
			B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
Inland	**1**	**(Constant)**	-1.531	.023		-67.343	.000	-1.576	-1.486
		log(Stand Value)	.153	.002	.271	79.740	.000	.150	.157
Coastal	**1**	**(Constant)**	-.904	.023		-39.927	.000	-.948	-.859
		log(Stand Value)	.089	.002	.198	47.936	.000	.086	.093
a Dependent Variable: log(Water Demand)									

Graphs



User Category: RES 1000:

Stands Size >=750 m^2 and < 1000m^2

Multi Variable Regression

Descriptives

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Stand Area	160135	750	999	898.25	80.390
Water Demand	160135	.00	1208.22	1.1597	4.08977
Stand Value	160125	0	11527000	266787.27	199863.021
Precipitation	160135	109.00	882.10	648.8390	133.05424
Ave Max Temp	147194	20.76	27.04	23.4850	1.47085
Ave Min Temp	147194	7.43	13.82	10.3739	1.99713
Evaporation	159765	1361.00	2690.00	2013.7221	289.48946
% unemployed	147953	.01	.83	.1585	.13010
% Formal Housing	147953	.05	.99	.8865	.15081
Ave Houshold size	147953	1.12	5.14	2.9655	.42434
Ave House Size	147953	1.73	6.47	4.5440	.78792
Ave Income	147953	8229.28	310992.90	130782.9877	65810.32307
%waterconnection	147953	.01	.97	.7084	.18392
%Waterborne Sanitation	147953	.01	.99	.8980	.14163
Geographic Location	160135	1	2	1.23	.418
Valid N (listwise)	137770				

Descriptives

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Stand Area	157850	750	999	898.70	80.301
Water Demand	157850	.00	1208.22	1.1430	3.72615
Stand Value	157850	20080	7000000	270374.28	194961.574
Precipitation	157850	109.00	882.10	649.1613	133.06984
Ave Max Temp	145270	20.76	27.04	23.4802	1.46770
Ave Min Temp	145270	7.43	13.82	10.3651	1.99788
Evaporation	157488	1361.00	2690.00	2015.2522	289.28997
% unemployed	145866	.01	.83	.1566	.12842

% Formal Housing	145866	.05	.99	.8880	.14861
Ave Houshold size	145866	1.12	5.14	2.9605	.41905
Ave House Size	145866	1.73	6.47	4.5512	.78611
Ave Income	145866	8229.28	310992.90	131496.7593	65542.56819
%waterconnection	145866	.01	.97	.7109	.18074
%Waterborne Sanitation	145866	.01	.99	.8999	.13800
Geographic Location	157850	1	2	1.23	.418
Valid N (listwise)	136020				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	LN(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	Geographic Location	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	Ave Min Temp	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	Evaporation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	Precipitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	Ave Income	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	Ave House Size	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	Stand Value	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
9	Stand Area	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	Ave Max Temp	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	%waterconnection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
12	% unemployed	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
13	% Formal Housing	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
14	%Waterborne Sanitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: LN(Water Demand)			

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**

1	.258(a)	.067	.067	.39760
2	.294(b)	.086	.086	.39340
3	.318(c)	.101	.101	.39024
4	.336(d)	.113	.113	.38760
5	.346(e)	.120	.120	.38617
6	.352(f)	.124	.124	.38523
7	.363(g)	.132	.132	.38345
8	.366(h)	.134	.134	.38308
9	.368(i)	.135	.135	.38268
10	.370(j)	.137	.137	.38238
11	.373(k)	.139	.139	.38188
12	.374(l)	.140	.140	.38169
13	.374(m)	.140	.140	.38165
14	.375(n)	.141	.141	.38149

a Predictors: (Constant), LN(Stand Value)

b Predictors: (Constant), LN(Stand Value), Geographic Location

c Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp

d Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation

e Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation

f Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income

g Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size

h Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value

i Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area

j Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp

k Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp, %waterconnection

l Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp, %waterconnection, % unemployed

m Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp, %waterconnection, % unemployed, % Formal Housing

n Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp, %waterconnection, % unemployed, % Formal Housing, %Waterborne Sanitation

ANOVA(o)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	**Regression**	1535.804	1	1535.804	9714.974	.000(a)
	Residual	21502.583	136018	.158		
	Total	23038.388	136019			

2	**Regression**	1987.461	2	993.730	6420.820	.000(b)
	Residual	21050.927	136017	.155		
	Total	23038.388	136019			
3	**Regression**	2324.743	3	774.914	5088.470	.000(c)
	Residual	20713.644	136016	.152		
	Total	23038.388	136019			
4	**Regression**	2604.441	4	651.110	4334.001	.000(d)
	Residual	20433.947	136015	.150		
	Total	23038.388	136019			
5	**Regression**	2755.283	5	551.057	3695.263	.000(e)
	Residual	20283.105	136014	.149		
	Total	23038.388	136019			
6	**Regression**	2854.043	6	475.674	3205.347	.000(f)
	Residual	20184.344	136013	.148		
	Total	23038.388	136019			
7	**Regression**	3039.894	7	434.271	2953.523	.000(g)
	Residual	19998.494	136012	.147		
	Total	23038.388	136019			
8	**Regression**	3078.908	8	384.864	2622.597	.000(h)
	Residual	19959.479	136011	.147		
	Total	23038.388	136019			
9	**Regression**	3120.371	9	346.708	2367.492	.000(i)
	Residual	19918.016	136010	.146		
	Total	23038.388	136019			
10	**Regression**	3152.311	10	315.231	2155.994	.000(j)
	Residual	19886.077	136009	.146		
	Total	23038.388	136019			
11	**Regression**	3203.786	11	291.253	1997.155	.000(k)
	Residual	19834.602	136008	.146		
	Total	23038.388	136019			
12	**Regression**	3224.417	12	268.701	1844.419	.000(l)
	Residual	19813.971	136007	.146		
	Total	23038.388	136019			
13	**Regression**	3227.925	13	248.302	1704.683	.000(m)
	Residual	19810.463	136006	.146		
	Total	23038.388	136019			
14	**Regression**	3245.381	14	231.813	1592.872	.000(n)
	Residual	19793.007	136005	.146		
	Total	23038.388	136019			

a Predictors: (Constant), LN(Stand Value)

b Predictors: (Constant), LN(Stand Value), Geographic Location

c Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp

d Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation
e Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation
f Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income
g Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size
h Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value
i Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area
j Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp
k Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp, %waterconnection
l Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp, %waterconnection, % unemployed
m Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp, %waterconnection, % unemployed, % Formal Housing
n Predictors: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp, %waterconnection, % unemployed, % Formal Housing, %Waterborne Sanitation
o Dependent Variable: LN(Water Demand)

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-1.8244375838	.023		-80.295	.000
	LN(Stand Value)	.1809159981	.002	.258	98.565	.000
2	(Constant)	-1.8970881908	.023		-84.233	.000
	LN(Stand Value)	.2015021639	.002	.288	108.586	.000
	Geographic Location	-.1547134147	.003	-.143	-54.021	.000
3	(Constant)	-2.1408719719	.023		-93.351	.000
	LN(Stand Value)	.2044707454	.002	.292	111.014	.000
	Geographic Location	-.2252540731	.003	-.208	-70.127	.000
	Ave Min Temp	.0280028580	.001	.137	47.061	.000
4	(Constant)	-2.7761984355	.027		-102.356	.000
	LN(Stand Value)	.2024550937	.002	.289	110.633	.000
	Geographic Location	-.1885288252	.003	-.174	-57.097	.000
	Ave Min Temp	.0420437508	.001	.206	62.318	.000
	Evaporation	.0002282340	.000	.142	43.148	.000
5	(Constant)	-2.4352321854	.029		-83.766	.000
	LN(Stand Value)	.2086266402	.002	.298	113.786	.000

	Geographic Location	-.2600876945	.004	-.241	-65.258	.000
	Ave Min Temp	.0384344322	.001	.188	56.381	.000
	Evaporation	.0001965569	.000	.122	36.648	.000
	Precipitation	-.0003497301	.000	-.105	-31.804	.000
6	**(Constant)**	-2.1468413844	.031		-69.072	.000
	LN(Stand Value)	.1903507926	.002	.272	97.046	.000
	Geographic Location	-.2413301057	.004	-.223	-59.709	.000
	Ave Min Temp	.0323091596	.001	.158	44.856	.000
	Evaporation	.0001669769	.000	.104	30.516	.000
	Precipitation	-.0003864393	.000	-.116	-34.936	.000
	Ave Income	.0000004757	.000	.075	25.797	.000
7	**(Constant)**	-1.6452222756	.034		-48.384	.000
	LN(Stand Value)	.1868150620	.002	.267	95.561	.000
	Geographic Location	-.2434054490	.004	-.225	-60.495	.000
	Ave Min Temp	.0276239284	.001	.135	37.894	.000
	Evaporation	.0001128303	.000	.070	19.951	.000
	Precipitation	-.0004549042	.000	-.136	-40.698	.000
	Ave Income	.0000012516	.000	.199	43.891	.000
	Ave House Size	-.0777248777	.002	-.146	-35.553	.000
8	**(Constant)**	-1.1103282090	.047		-23.512	.000
	LN(Stand Value)	.1391098389	.004	.199	39.545	.000
	Geographic Location	-.2470369316	.004	-.228	-61.363	.000
	Ave Min Temp	.0270258309	.001	.132	37.063	.000
	Evaporation	.0001165059	.000	.072	20.604	.000
	Precipitation	-.0004588464	.000	-.137	-41.081	.000
	Ave Income	.0000012550	.000	.199	44.051	.000
	Ave House Size	-.0748807629	.002	-.141	-34.176	.000
	Stand Value	.0000001689	.000	.080	16.305	.000
9	**(Constant)**	-1.2658058351	.048		-26.332	.000
	LN(Stand Value)	.1317289445	.004	.188	37.197	.000
	Geographic Location	-.2378560446	.004	-.220	-58.607	.000
	Ave Min Temp	.0280838708	.001	.138	38.411	.000
	Evaporation	.0001252819	.000	.078	22.085	.000
	Precipitation	-.0004534519	.000	-.136	-40.623	.000
	Ave Income	.0000012248	.000	.194	42.948	.000
	Ave House Size	-.0745011304	.002	-.140	-34.036	.000
	Stand Value	.0000001786	.000	.084	17.229	.000
	Stand Area	.0002248296	.000	.044	16.826	.000
10	**(Constant)**	-1.7821789599	.059		-30.005	.000
	LN(Stand Value)	.1367301341	.004	.195	38.465	.000
	Geographic Location	-.1884123289	.005	-.174	-35.840	.000
	Ave Min Temp	.0243321504	.001	.119	31.461	.000

	Evaporation	.0001536722	.000	.096	25.677	.000
	Precipitation	-.0003929075	.000	-.118	-33.068	.000
	Ave Income	.0000012442	.000	.197	43.620	.000
	Ave House Size	-.0800701053	.002	-.151	-36.078	.000
	Stand Value	.0000001827	.000	.086	17.637	.000
	Stand Area	.0002241698	.000	.044	16.790	.000
	Ave Max Temp	.0153129734	.001	.054	14.780	.000
11	**(Constant)**	-1.7774341913	.059		-29.964	.000
	LN(Stand Value)	.1303157609	.004	.186	36.539	.000
	Geographic Location	-.1934015958	.005	-.179	-36.790	.000
	Ave Min Temp	.0192662374	.001	.094	23.549	.000
	Evaporation	.0001508698	.000	.094	25.234	.000
	Precipitation	-.0003738028	.000	-.112	-31.385	.000
	Ave Income	.0000011178	.000	.177	38.185	.000
	Ave House Size	-.1001063072	.002	-.188	-40.699	.000
	Stand Value	.0000002006	.000	.095	19.309	.000
	Stand Area	.0002075167	.000	.041	15.529	.000
	Ave Max Temp	.0201205524	.001	.072	18.877	.000
	%waterconnection	.1848477135	.010	.079	18.787	.000
12	**(Constant)**	-1.9722128625	.062		-32.065	.000
	LN(Stand Value)	.1337006158	.004	.191	37.389	.000
	Geographic Location	-.1899727811	.005	-.176	-36.102	.000
	Ave Min Temp	.0196411881	.001	.096	24.002	.000
	Evaporation	.0001423683	.000	.089	23.656	.000
	Precipitation	-.0003685023	.000	-.110	-30.935	.000
	Ave Income	.0000012840	.000	.204	39.604	.000
	Ave House Size	-.0869996851	.003	-.164	-32.296	.000
	Stand Value	.0000001970	.000	.093	18.957	.000
	Stand Area	.0002082481	.000	.041	15.591	.000
	Ave Max Temp	.0206008459	.001	.073	19.323	.000
	%waterconnection	.2264624745	.010	.097	21.698	.000
	% unemployed	.2341713739	.020	.071	11.900	.000
13	**(Constant)**	-2.0045606918	.062		-32.408	.000
	LN(Stand Value)	.1354524566	.004	.193	37.694	.000
	Geographic Location	-.1884282518	.005	-.174	-35.748	.000
	Ave Min Temp	.0199911839	.001	.098	24.340	.000
	Evaporation	.0001409150	.000	.088	23.388	.000
	Precipitation	-.0003718021	.000	-.111	-31.165	.000
	Ave Income	.0000013395	.000	.212	39.014	.000
	Ave House Size	-.0917914026	.003	-.173	-32.038	.000
	Stand Value	.0000001940	.000	.091	18.641	.000
	Stand Area	.0002082701	.000	.041	15.594	.000

	Ave Max Temp	.0201678743	.001	.072	18.854	.000
	%waterconnection	.1830804109	.014	.078	13.387	.000
	% unemployed	.2509320099	.020	.076	12.565	.000
	% Formal Housing	.0720969831	.015	.026	4.908	.000
14	**(Constant)**	-2.1189391413	.063		-33.794	.000
	LN(Stand Value)	.1415935363	.004	.202	38.949	.000
	Geographic Location	-.1811816806	.005	-.168	-34.120	.000
	Ave Min Temp	.0192562400	.001	.094	23.377	.000
	Evaporation	.0001475353	.000	.092	24.375	.000
	Precipitation	-.0003490816	.000	-.104	-28.840	.000
	Ave Income	.0000013708	.000	.217	39.806	.000
	Ave House Size	-.0878177427	.003	-.165	-30.421	.000
	Stand Value	.0000001837	.000	.087	17.591	.000
	Stand Area	.0001994837	.000	.039	14.916	.000
	Ave Max Temp	.0211240666	.001	.075	19.691	.000
	%waterconnection	.2134616358	.014	.091	15.303	.000
	% unemployed	.3113358812	.021	.094	15.033	.000
	% Formal Housing	.2242811938	.020	.080	11.094	.000
	%Waterborne Sanitation	-.2116012681	.019	-.068	-10.952	.000

a Dependent Variable: LN(Water Demand)

Excluded Variables(o)

Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**LN(Stand Area)**	.064(a)	24.095	.000	.065	.979
	Stand Area	.064(a)	24.181	.000	.065	.980
	Stand Value	.042(a)	8.371	.000	.023	.278
	Precipitation	-.001(a)	-.544	.587	-.001	.998
	Ave Max Temp	.129(a)	47.925	.000	.129	.938
	Ave Min Temp	.042(a)	15.925	.000	.043	.996
	Evaporation	.099(a)	37.739	.000	.102	.996
	% unemployed	-.055(a)	-19.698	.000	-.053	.894
	% Formal Housing	.038(a)	14.250	.000	.039	.970
	Ave Houshold size	-.094(a)	-34.991	.000	-.094	.949
	Ave House Size	.027(a)	10.162	.000	.028	.948
	Ave Income	.142(a)	52.023	.000	.140	.908
	%waterconnection	.062(a)	22.417	.000	.061	.907
	%Waterborne Sanitation	.023(a)	8.637	.000	.023	.952
	Geographic Location	-.143(a)	-54.021	.000	-.145	.958
2	**LN(Stand Area)**	.037(b)	13.970	.000	.038	.942
	Stand Area	.037(b)	13.990	.000	.038	.941

	Stand Value	.079(b)	15.853	.000	.043	.273
	Precipitation	-.139(b)	-42.762	.000	-.115	.624
	Ave Max Temp	.091(b)	32.085	.000	.087	.835
	Ave Min Temp	.137(b)	47.061	.000	.127	.779
	Evaporation	.043(b)	14.735	.000	.040	.785
	% unemployed	-.053(b)	-19.288	.000	-.052	.894
	% Formal Housing	.043(b)	16.507	.000	.045	.968
	Ave Houshold size	-.052(b)	-18.454	.000	-.050	.846
	Ave House Size	.013(b)	4.899	.000	.013	.939
	Ave Income	.112(b)	39.925	.000	.108	.850
	%waterconnection	.093(b)	33.784	.000	.091	.873
	%Waterborne Sanitation	.024(b)	9.119	.000	.025	.952
3	**LN(Stand Area)**	.041(c)	15.462	.000	.042	.941
	Stand Area	.041(c)	15.492	.000	.042	.941
	Stand Value	.065(c)	13.229	.000	.036	.272
	Precipitation	-.127(c)	-39.101	.000	-.105	.620
	Ave Max Temp	.030(c)	8.996	.000	.024	.608
	Evaporation	.142(c)	43.148	.000	.116	.602
	% unemployed	-.015(c)	-5.333	.000	-.014	.811
	% Formal Housing	.018(c)	6.847	.000	.019	.925
	Ave Houshold size	-.038(c)	-13.658	.000	-.037	.836
	Ave House Size	-.009(c)	-3.303	.001	-.009	.910
	Ave Income	.083(c)	28.994	.000	.078	.794
	%waterconnection	.057(c)	19.650	.000	.053	.780
	%Waterborne Sanitation	.008(c)	3.068	.002	.008	.935
4	**LN(Stand Area)**	.049(d)	18.657	.000	.051	.936
	Stand Area	.049(d)	18.754	.000	.051	.936
	Stand Value	.075(d)	15.361	.000	.042	.272
	Precipitation	-.105(d)	-31.804	.000	-.086	.598
	Ave Max Temp	.074(d)	21.841	.000	.059	.562
	% unemployed	-.013(d)	-4.507	.000	-.012	.810
	% Formal Housing	.015(d)	5.740	.000	.016	.924
	Ave Houshold size	-.033(d)	-11.979	.000	-.032	.835
	Ave House Size	-.007(d)	-2.563	.010	-.007	.910
	Ave Income	.062(d)	21.386	.000	.058	.766
	%waterconnection	.042(d)	14.578	.000	.039	.768
	%Waterborne Sanitation	.000(d)	-.151	.880	.000	.930
5	**LN(Stand Area)**	.048(e)	18.164	.000	.049	.936
	Stand Area	.048(e)	18.265	.000	.049	.936
	Stand Value	.079(e)	16.132	.000	.044	.272
	Ave Max Temp	.041(e)	11.314	.000	.031	.491
	% unemployed	-.018(e)	-6.420	.000	-.017	.807

	% Formal Housing	.015(e)	5.675	.000	.015	.924
	Ave Houshold size	-.050(e)	-17.692	.000	-.048	.811
	Ave House Size	-.008(e)	-3.025	.002	-.008	.910
	Ave Income	.075(e)	25.797	.000	.070	.753
	%waterconnection	.045(e)	15.434	.000	.042	.768
	%Waterborne Sanitation	.005(e)	1.780	.075	.005	.927
6	**LN(Stand Area)**	.042(f)	15.903	.000	.043	.928
	Stand Area	.042(f)	16.015	.000	.043	.928
	Stand Value	.093(f)	19.005	.000	.051	.269
	Ave Max Temp	.029(f)	7.969	.000	.022	.482
	% unemployed	.114(f)	24.135	.000	.065	.285
	% Formal Housing	-.028(f)	-9.177	.000	-.025	.671
	Ave Houshold size	-.018(f)	-5.449	.000	-.015	.605
	Ave House Size	-.146(f)	-35.553	.000	-.096	.377
	%waterconnection	-.005(f)	-1.241	.215	-.003	.457
	%Waterborne Sanitation	-.037(f)	-12.397	.000	-.034	.706
7	**LN(Stand Area)**	.041(g)	15.796	.000	.043	.928
	Stand Area	.042(g)	15.879	.000	.043	.928
	Stand Value	.080(g)	16.305	.000	.044	.267
	Ave Max Temp	.053(g)	14.355	.000	.039	.468
	% unemployed	.034(g)	6.075	.000	.016	.203
	% Formal Housing	.051(g)	13.629	.000	.037	.451
	Ave Houshold size	.023(g)	6.560	.000	.018	.539
	%waterconnection	.058(g)	14.212	.000	.039	.383
	%Waterborne Sanitation	.024(g)	6.772	.000	.018	.520
8	**LN(Stand Area)**	.044(h)	16.737	.000	.045	.925
	Stand Area	.044(h)	16.826	.000	.046	.925
	Ave Max Temp	.055(h)	14.821	.000	.040	.467
	% unemployed	.029(h)	5.125	.000	.014	.202
	% Formal Housing	.053(h)	14.052	.000	.038	.450
	Ave Houshold size	.019(h)	5.552	.000	.015	.537
	%waterconnection	.064(h)	15.693	.000	.043	.381
	%Waterborne Sanitation	.028(h)	8.004	.000	.022	.517
9	**LN(Stand Area)**	-.168(i)	-2.256	.024	-.006	.001
	Ave Max Temp	.054(i)	14.780	.000	.040	.467
	% unemployed	.031(i)	5.577	.000	.015	.202
	% Formal Housing	.050(i)	13.315	.000	.036	.449
	Ave Houshold size	.022(i)	6.359	.000	.017	.536
	%waterconnection	.060(i)	14.666	.000	.040	.379
	%Waterborne Sanitation	.028(i)	7.906	.000	.021	.517
10	**LN(Stand Area)**	-.167(j)	-2.238	.025	-.006	.001
	% unemployed	.028(j)	4.906	.000	.013	.202

	% Formal Housing	.056(j)	14.940	.000	.040	.445
	Ave Houshold size	.015(j)	4.360	.000	.012	.526
	%waterconnection	.079(j)	18.787	.000	.051	.357
	%Waterborne Sanitation	.031(j)	8.846	.000	.024	.515
11	**LN(Stand Area)**	-.068(k)	-.915	.360	-.002	.001
	% unemployed	.071(k)	11.900	.000	.032	.179
	% Formal Housing	.015(k)	2.799	.005	.008	.235
	Ave Houshold size	.029(k)	8.085	.000	.022	.507
	%Waterborne Sanitation	-.016(k)	-3.559	.000	-.010	.317
12	**LN(Stand Area)**	-.033(l)	-.444	.657	-.001	.001
	% Formal Housing	.026(l)	4.908	.000	.013	.228
	Ave Houshold size	.011(l)	2.857	.004	.008	.396
	%Waterborne Sanitation	-.021(l)	-4.578	.000	-.012	.315
13	**LN(Stand Area)**	-.022(m)	-.299	.765	-.001	.001
	Ave Houshold size	.010(m)	2.460	.014	.007	.393
	%Waterborne Sanitation	-.068(m)	-10.952	.000	-.030	.166
14	**LN(Stand Area)**	-.007(n)	-.096	.923	.000	.001
	Ave Houshold size	.008(n)	1.905	.057	.005	.392

a Predictors in the Model: (Constant), LN(Stand Value)

b Predictors in the Model: (Constant), LN(Stand Value), Geographic Location

c Predictors in the Model: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp

d Predictors in the Model: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation

e Predictors in the Model: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation

f Predictors in the Model: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income

g Predictors in the Model: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size

h Predictors in the Model: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value

i Predictors in the Model: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area

j Predictors in the Model: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp

k Predictors in the Model: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp, %waterconnection

l Predictors in the Model: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp, %waterconnection, % unemployed

m Predictors in the Model: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp, %waterconnection, % unemployed, % Formal Housing

n Predictors in the Model: (Constant), LN(Stand Value), Geographic Location, Ave Min Temp, Evaporation, Precipitation, Ave Income, Ave House Size, Stand Value, Stand Area, Ave Max Temp, %waterconnection, % unemployed, % Formal Housing, %Waterborne Sanitation

o Dependent Variable: LN(Water Demand)

Single Variable Regression

Res1000 Descriptives

Descriptive Statistics			
	N	**Mean**	**Variance**
Ln(Water demand)	157850	.3884	.174
Ln(Stand Area)	157850	6.7969	.008
Ln(Stand Value)	157850	12.3225	.375
Valid N (listwise)	157850		

Regression

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.108(a)	.012	.012	.41425
a Predictors: (Constant), Ln(Stand Area)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	322.627	1	322.627	1880.053	.000(a)
	Residual	27087.515	157848	.172		
	Total	27410.141	157849			
a Predictors: (Constant), Ln(Stand Area)						
b Dependent Variable: Ln(Water demand)						

Coefficients(a)								
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
		B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
1	**(Constant)**	-2.998	.078		-38.383	.000	-3.151	-2.845
	Ln(Stand Area)	.498	.011	.108	43.360	.000	.476	.521
a Dependent Variable: Ln(Water demand)								

Regression

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.267(a)	.071	.071	.40158
a Predictors: (Constant), Ln(Stand Value)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	1954.648	1	1954.648	12120.659	.000(a)
	Residual	25455.493	157848	.161		
	Total	27410.141	157849			
a Predictors: (Constant), Ln(Stand Value)						
b Dependent Variable: Ln(Water demand)						

Coefficients(a)								
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
		B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
1	**(Constant)**	-1.851	.020		-90.888	.000	-1.891	-1.811
	Ln(Stand Value)	.182	.002	.267	110.094	.000	.179	.185
a Dependent Variable: Ln(Water demand)								

Descriptives

Descriptive Statistics				
Geographic Location		**N**	**Mean**	**Variance**
Inland	**Ln(Water demand)**	122182	.4175	.174
	Ln(Stand Area)	122182	6.8047	.008
	Ln(Stand Value)	122182	12.2681	.312
	Valid N (listwise)	122182		
Coastal	**Ln(Water demand)**	35668	.2888	.161
	Ln(Stand Area)	35668	6.7700	.008
	Ln(Stand Value)	35668	12.5088	.547
	Valid N (listwise)	35668		

Regression

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**

Inland	**1**	.098(a)	.010	.010	.41461
Coastal	**1**	.059(a)	.003	.003	.40068
a Predictors: (Constant), Ln(Stand Area)					

ANOVA(b)

Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	204.359	1	204.359	1188.837	.000(a)
		Residual	21002.545	122180	.172		
		Total	21206.904	122181			
Coastal	**1**	**Regression**	19.678	1	19.678	122.571	.000(a)
		Residual	5726.086	35666	.161		
		Total	5745.764	35667			
a Predictors: (Constant), Ln(Stand Area)							
b Dependent Variable: Ln(Water demand)							

Coefficients(a)

Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
			B	Std. Error	Beta			Lower Bound	Upper Bound
Inland	**1**	**(Constant)**	-2.667	.089		-29.810	.000	-2.842	-2.491
		Ln(Stand Area)	.453	.013	.098	34.480	.000	.427	.479
Coastal	**1**	**(Constant)**	-1.533	.165		-9.315	.000	-1.855	-1.210
		Ln(Stand Area)	.269	.024	.059	11.071	.000	.221	.317
a Dependent Variable: Ln(Water demand)									

Regression

Model Summary

Geographic Location	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Inland	**1**	.308(a)	.095	.095	.39638
Coastal	**1**	.270(a)	.073	.073	.38643
a Predictors: (Constant), Ln(Stand Value)					

ANOVA(b)

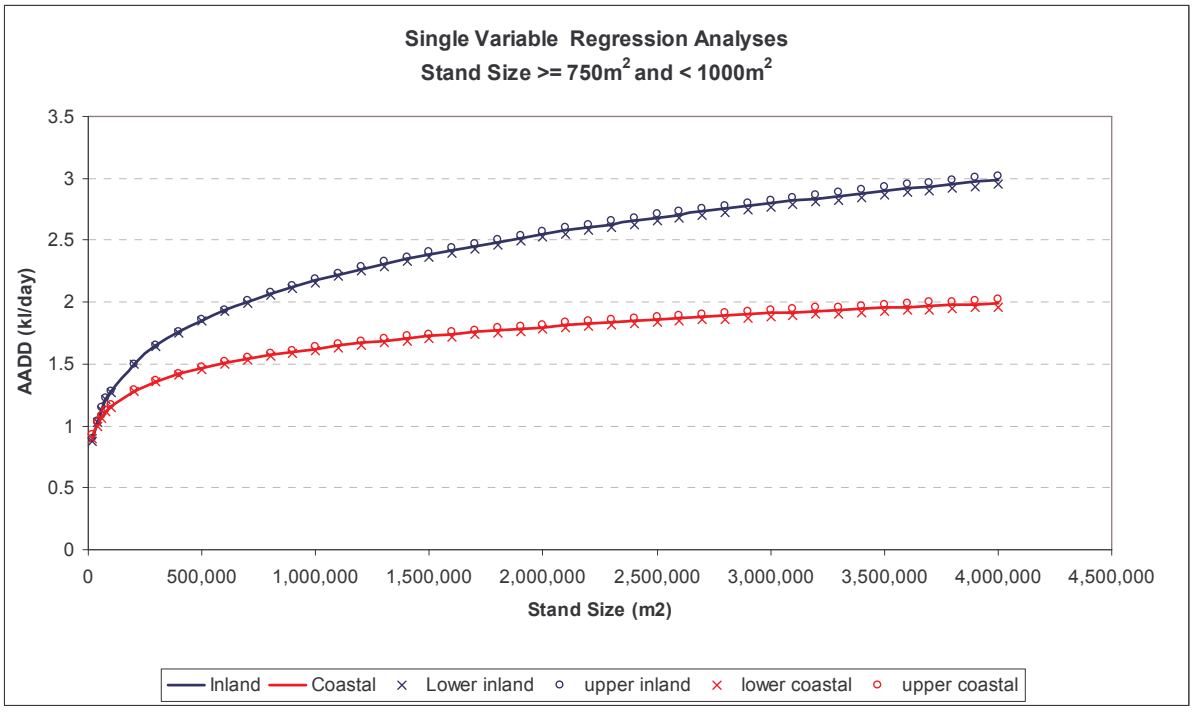
Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	2010.574	1	2010.574	12796.815	.000(a)
		Residual	19196.330	122180	.157		
		Total	21206.904	122181			

Coastal	**1**	**Regression**	419.914	1	419.914	2812.066	.000(a)
		Residual	5325.851	35666	.149		
		Total	5745.764	35667			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: Ln(Water demand)							

Coefficients(a)

Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
			B	Std. Error	Beta			Lower Bound	Upper Bound
Inland	**1**	**(Constant)**	-2.402	.025		-96.274	.000	-2.451	-2.353
		Ln(Stand Value)	.230	.002	.308	113.123	.000	.226	.234
Coastal	**1**	**(Constant)**	-1.546	.035		-44.605	.000	-1.614	-1.478
		Ln(Stand Value)	.147	.003	.270	53.029	.000	.141	.152
a Dependent Variable: Ln(Water demand)									

Graphs



User Category: RES 1500:

Stands Size >=1000 m^2 and < 1500m^2

Multi Variable Regression

Descriptives

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Stand Area	207002	1000.00	1499.00	1177.1493	151.98532
Water Demand	207002	.00	820.16	1.4005	3.36631
Stand Value	206995	.00	31000000.00	311156.9797	219381.19445
Precipitation	207002	109.00	882.10	672.2558	108.73365
Ave Max Temp	193641	20.76	27.04	23.9583	1.67327
Ave Min Temp	193641	7.43	13.82	10.7523	1.98700
Evaporation	206476	1361.00	2690.00	2008.4279	280.32973
% unemployed	198317	.01	.83	.1221	.11744
% Formal Housing	198317	.05	.99	.9086	.13442
Ave Houshold size	198317	1.12	5.14	2.8570	.36702
Ave House Size	198317	1.73	6.47	4.7762	.77340
Ave Income	198317	8229.28	310992.90	160467.9621	71072.82670
%house water connection	198317	.01	.97	.7394	.16985
%Waterborne Sanitation	198317	.01	.99	.9188	.13285
Geographic Location	207002	1	2	1.15	.356
Valid N (listwise)	185423				

Descriptives

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Stand Area	205540	1000.00	1499.00	1177.1466	151.96975
Water Demand	205540	.00	820.16	1.3974	3.33008
Stand Value	205540	20100.00	9900000.00	313110.3136	206795.94446
Precipitation	205540	109.00	882.10	672.5901	108.50670
Ave Max Temp	192393	20.76	27.04	23.9608	1.67488
Ave Min Temp	192393	7.43	13.82	10.7549	1.98827
Evaporation	205020	1361.00	2690.00	2009.4079	279.77206
% unemployed	197184	.01	.83	.1215	.11669

% Formal Housing	197184	.05	.99	.9091	.13375
Ave Houshold size	197184	1.12	5.14	2.8555	.36527
Ave House Size	197184	1.73	6.47	4.7798	.77151
Ave Income	197184	8229.28	310992.90	160811.9403	70912.13683
%house water connection	197184	.01	.97	.7402	.16900
%Waterborne Sanitation	197184	.01	.99	.9194	.13201
Geographic Location	205540	1	2	1.15	.355
Valid N (listwise)	184498				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	LN(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	Ave Income	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	Ave House Size	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	Geographic Location	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	Precipitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	Stand Area	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	Ave Min Temp	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	Evaporation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
9	Stand Value	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	% Formal Housing	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	%Waterborne Sanitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
12	Ave Max Temp	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
13	% unemployed	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
14	Ave Houshold size	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
15	%house water connection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: LN(Water Demand)			

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.304(a)	.092	.092	.41962
2	.342(b)	.117	.117	.41387
3	.373(c)	.139	.139	.40866
4	.387(d)	.150	.150	.40607
5	.401(e)	.161	.161	.40338
6	.409(f)	.168	.167	.40183
7	.413(g)	.171	.171	.40109
8	.415(h)	.173	.172	.40062
9	.417(i)	.174	.174	.40020
10	.419(j)	.175	.175	.39990
11	.419(k)	.176	.176	.39981
12	.420(l)	.176	.176	.39974
13	.420(m)	.176	.176	.39969
14	.420(n)	.177	.177	.39964
15	.420(o)	.177	.177	.39963
a Predictors: (Constant), LN(Stand Value)				
b Predictors: (Constant), LN(Stand Value), Ave Income				
c Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size				
d Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location				
e Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation				
f Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area				
g Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp				
h Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation				
i Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value				
j Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing				
k Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation				
l Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation, Ave Max Temp				
m Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation, Ave Max Temp, % unemployed				
n Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation, Ave Max Temp, % unemployed, Ave Houshold size				
o Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne				

Sanitation, Ave Max Temp, % unemployed, Ave Houshold size, %house water connection

ANOVA(p)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3296.911	1	3296.911	18723.752	.000(a)
	Residual	32486.376	184496	.176		
	Total	35783.286	184497			
2	Regression	4181.999	2	2090.999	12207.697	.000(b)
	Residual	31601.287	184495	.171		
	Total	35783.286	184497			
3	Regression	4972.539	3	1657.513	9925.147	.000(c)
	Residual	30810.747	184494	.167		
	Total	35783.286	184497			
4	Regression	5361.866	4	1340.467	8129.360	.000(d)
	Residual	30421.420	184493	.165		
	Total	35783.286	184497			
5	Regression	5763.341	5	1152.668	7083.892	.000(e)
	Residual	30019.945	184492	.163		
	Total	35783.286	184497			
6	Regression	5994.005	6	999.001	6187.013	.000(f)
	Residual	29789.281	184491	.161		
	Total	35783.286	184497			
7	Regression	6104.199	7	872.028	5420.670	.000(g)
	Residual	29679.087	184490	.161		
	Total	35783.286	184497			
8	Regression	6173.504	8	771.688	4808.139	.000(h)
	Residual	29609.782	184489	.160		
	Total	35783.286	184497			
9	Regression	6236.161	9	692.907	4326.410	.000(i)
	Residual	29547.125	184488	.160		
	Total	35783.286	184497			
10	Regression	6279.556	10	627.956	3926.610	.000(j)
	Residual	29503.730	184487	.160		
	Total	35783.286	184497			
11	Regression	6293.289	11	572.117	3579.099	.000(k)
	Residual	29489.997	184486	.160		
	Total	35783.286	184497			
12	Regression	6303.654	12	525.305	3287.382	.000(l)
	Residual	29479.632	184485	.160		
	Total	35783.286	184497			
13	Regression	6310.863	13	485.451	3038.703	.000(m)
	Residual	29472.423	184484	.160		

	Total	35783.286	184497			
14	**Regression**	6319.451	14	451.389	2826.301	.000(n)
	Residual	29463.836	184483	.160		
	Total	35783.286	184497			
15	**Regression**	6320.347	15	421.356	2638.321	.000(o)
	Residual	29462.939	184482	.160		
	Total	35783.286	184497			

a Predictors: (Constant), LN(Stand Value)

b Predictors: (Constant), LN(Stand Value), Ave Income

c Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size

d Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location

e Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation

f Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area

g Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp

h Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation

i Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value

j Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing

k Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation

l Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation, Ave Max Temp

m Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation, Ave Max Temp, % unemployed

n Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation, Ave Max Temp, % unemployed, Ave Houshold size

o Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation, Ave Max Temp, % unemployed, Ave Houshold size, %house water connection

p Dependent Variable: LN(Water Demand)

Coefficients(a)

Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
		B	**Std. Error**	**Beta**		
1	**(Constant)**	-2.5950001624	.023		-112.875	.000
	LN(Stand Value)	.2506966644	.002	.304	136.835	.000

2	**(Constant)**	-2.2680075611	.023		-98.070	.000
	LN(Stand Value)	.2106323555	.002	.255	111.387	.000
	Ave Income	.0000010539	.000	.165	71.884	.000
3	**(Constant)**	-1.7912157814	.024		-75.060	.000
	LN(Stand Value)	.2087259568	.002	.253	111.774	.000
	Ave Income	.0000020019	.000	.313	100.167	.000
	Ave House Size	-.1265116395	.002	-.209	-68.802	.000
4	**(Constant)**	-1.9554070172	.024		-81.638	.000
	LN(Stand Value)	.2344631756	.002	.284	121.504	.000
	Ave Income	.0000017531	.000	.274	85.482	.000
	Ave House Size	-.1136580191	.002	-.188	-61.564	.000
	Geographic Location	-.1630272994	.003	-.110	-48.591	.000
5	**(Constant)**	-1.5548490880	.025		-61.889	.000
	LN(Stand Value)	.2394624181	.002	.290	124.749	.000
	Ave Income	.0000018381	.000	.287	89.907	.000
	Ave House Size	-.1195352544	.002	-.198	-65.044	.000
	Geographic Location	-.2457219546	.004	-.166	-65.956	.000
	Precipitation	-.0005315459	.000	-.121	-49.672	.000
6	**(Constant)**	-1.7586703322	.026		-68.696	.000
	LN(Stand Value)	.2335049475	.002	.283	121.702	.000
	Ave Income	.0000018212	.000	.284	89.404	.000
	Ave House Size	-.1175373241	.002	-.194	-64.177	.000
	Geographic Location	-.2390372123	.004	-.162	-64.336	.000
	Precipitation	-.0005478166	.000	-.124	-51.348	.000
	Stand Area	.0002333110	.000	.081	37.796	.000
7	**(Constant)**	-1.9392094165	.026		-73.266	.000
	LN(Stand Value)	.2382453117	.002	.288	123.850	.000
	Ave Income	.0000016294	.000	.254	75.384	.000
	Ave House Size	-.1132523688	.002	-.187	-61.705	.000
	Geographic Location	-.2661296496	.004	-.180	-69.119	.000
	Precipitation	-.0005031069	.000	-.114	-46.649	.000
	Stand Area	.0002168267	.000	.075	35.008	.000
	Ave Min Temp	.0141085872	.001	.064	26.172	.000
8	**(Constant)**	-2.3384889836	.033		-71.552	.000
	LN(Stand Value)	.2410754630	.002	.292	125.154	.000
	Ave Income	.0000014213	.000	.222	59.722	.000
	Ave House Size	-.0994463326	.002	-.165	-51.000	.000
	Geographic Location	-.2545347932	.004	-.172	-65.499	.000
	Precipitation	-.0004660856	.000	-.106	-42.687	.000
	Stand Area	.0002172320	.000	.075	35.115	.000
	Ave Min Temp	.0223697952	.001	.101	33.423	.000
	Evaporation	.0001002629	.000	.060	20.780	.000

9	(Constant)	-1.6397464572	.048		-34.089	.000
	LN(Stand Value)	.1791017504	.004	.217	48.710	.000
	Ave Income	.0000014415	.000	.225	60.581	.000
	Ave House Size	-.0970699420	.002	-.161	-49.739	.000
	Geographic Location	-.2584423392	.004	-.175	-66.489	.000
	Precipitation	-.0004662385	.000	-.106	-42.746	.000
	Stand Area	.0002198191	.000	.076	35.562	.000
	Ave Min Temp	.0220239211	.001	.099	32.929	.000
	Evaporation	.0001042615	.000	.062	21.613	.000
	Stand Value	.0000001878	.000	.085	19.779	.000
10	(Constant)	-1.6435126070	.048		-34.191	.000
	LN(Stand Value)	.1771220483	.004	.214	48.181	.000
	Ave Income	.0000014623	.000	.228	61.412	.000
	Ave House Size	-.1172523665	.002	-.194	-50.911	.000
	Geographic Location	-.2596499052	.004	-.176	-66.836	.000
	Precipitation	-.0004713200	.000	-.107	-43.226	.000
	Stand Area	.0002152339	.000	.075	34.811	.000
	Ave Min Temp	.0201612961	.001	.091	29.744	.000
	Evaporation	.0001003122	.000	.060	20.784	.000
	Stand Value	.0000001930	.000	.088	20.337	.000
	% Formal Housing	.1734107815	.011	.048	16.473	.000
11	(Constant)	-1.6920690655	.048		-35.002	.000
	LN(Stand Value)	.1812993239	.004	.220	48.962	.000
	Ave Income	.0000014675	.000	.229	61.629	.000
	Ave House Size	-.1158274307	.002	-.192	-50.192	.000
	Geographic Location	-.2551767549	.004	-.173	-65.199	.000
	Precipitation	-.0004459015	.000	-.101	-39.668	.000
	Stand Area	.0002154682	.000	.075	34.856	.000
	Ave Min Temp	.0202318542	.001	.091	29.853	.000
	Evaporation	.0001072660	.000	.064	21.966	.000
	Stand Value	.0000001862	.000	.085	19.561	.000
	% Formal Housing	.2949371906	.017	.082	17.542	.000
	%Waterborne Sanitation	-.1698672329	.018	-.042	-9.269	.000
12	(Constant)	-1.4664713478	.056		-26.251	.000
	LN(Stand Value)	.1802992667	.004	.218	48.673	.000
	Ave Income	.0000014495	.000	.226	60.613	.000
	Ave House Size	-.1130167028	.002	-.187	-48.432	.000
	Geographic Location	-.2829277320	.005	-.192	-54.264	.000
	Precipitation	-.0004703903	.000	-.107	-40.402	.000
	Stand Area	.0002144831	.000	.074	34.696	.000
	Ave Min Temp	.0237309918	.001	.107	29.482	.000

	Evaporation	.0000942270	.000	.056	18.318	.000
	Stand Value	.0000001833	.000	.083	19.251	.000
	% Formal Housing	.2786756647	.017	.078	16.459	.000
	%Waterborne Sanitation	-.1611816489	.018	-.039	-8.781	.000
	Ave Max Temp	-.0074506509	.001	-.028	-8.054	.000
13	**(Constant)**	-1.5690487151	.058		-27.096	.000
	LN(Stand Value)	.1820411321	.004	.220	49.029	.000
	Ave Income	.0000015416	.000	.241	55.925	.000
	Ave House Size	-.1068946723	.003	-.177	-42.674	.000
	Geographic Location	-.2817013944	.005	-.191	-54.002	.000
	Precipitation	-.0004662646	.000	-.106	-39.996	.000
	Stand Area	.0002156329	.000	.075	34.873	.000
	Ave Min Temp	.0247025426	.001	.111	30.209	.000
	Evaporation	.0000929391	.000	.055	18.057	.000
	Stand Value	.0000001790	.000	.081	18.752	.000
	% Formal Housing	.3374282873	.019	.094	17.708	.000
	%Waterborne Sanitation	-.1992563671	.019	-.049	-10.373	.000
	Ave Max Temp	-.0078634210	.001	-.030	-8.483	.000
	% unemployed	.1358234753	.020	.033	6.718	.000
14	**(Constant)**	-1.5775273215	.058		-27.241	.000
	LN(Stand Value)	.1815313392	.004	.220	48.890	.000
	Ave Income	.0000014701	.000	.230	50.287	.000
	Ave House Size	-.0966430261	.003	-.160	-33.693	.000
	Geographic Location	-.2753046036	.005	-.187	-52.060	.000
	Precipitation	-.0004665210	.000	-.106	-40.024	.000
	Stand Area	.0002121809	.000	.074	34.221	.000
	Ave Min Temp	.0259234974	.001	.117	31.069	.000
	Evaporation	.0001006806	.000	.060	19.165	.000
	Stand Value	.0000001793	.000	.082	18.790	.000
	% Formal Housing	.3530503851	.019	.098	18.416	.000
	%Waterborne Sanitation	-.2110611325	.019	-.052	-10.951	.000
	Ave Max Temp	-.0072103317	.001	-.027	-7.744	.000
	% unemployed	.2207588392	.023	.054	9.475	.000
	Ave Houshold size	-.0293430781	.004	-.024	-7.333	.000
15	**(Constant)**	-1.5750269567	.058		-27.194	.000
	LN(Stand Value)	.1805840452	.004	.219	48.356	.000
	Ave Income	.0000014615	.000	.228	49.605	.000
	Ave House Size	-.0969044045	.003	-.160	-33.759	.000
	Geographic Location	-.2774696165	.005	-.188	-51.704	.000
	Precipitation	-.0004646324	.000	-.105	-39.769	.000

	Stand Area	.0002115529	.000	.073	34.089	.000
	Ave Min Temp	.0253869838	.001	.114	29.365	.000
	Evaporation	.0001007428	.000	.060	19.177	.000
	Stand Value	.0000001810	.000	.082	18.914	.000
	% Formal Housing	.3392894679	.020	.094	16.938	.000
	%Waterborne Sanitation	-.2229524363	.020	-.055	-11.195	.000
	Ave Max Temp	-.0068532253	.001	-.026	-7.266	.000
	% unemployed	.2310700235	.024	.057	9.749	.000
	Ave Houshold size	-.0272130106	.004	-.022	-6.635	.000
	%house water connection	.0358755818	.015	.013	2.370	.018

a Dependent Variable: LN(Water Demand)

Excluded Variables(p)

Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**LN(Stand Area)**	.092(a)	41.559	.000	.096	.994
	Stand Area	.093(a)	42.124	.000	.098	.994
	Stand Value	.034(a)	7.691	.000	.018	.248
	Precipitation	-.006(a)	-2.840	.005	-.007	.999
	Ave Max Temp	.098(a)	43.813	.000	.101	.977
	Ave Min Temp	.086(a)	38.631	.000	.090	.990
	Evaporation	.082(a)	37.076	.000	.086	.996
	% unemployed	-.077(a)	-33.665	.000	-.078	.942
	% Formal Housing	.035(a)	15.584	.000	.036	.979
	Ave Houshold size	-.132(a)	-58.734	.000	-.135	.961
	Ave House Size	.001(a)	.340	.734	.001	.961
	Ave Income	.165(a)	71.884	.000	.165	.913
	%house water connection	.059(a)	25.370	.000	.059	.908
	%Waterborne Sanitation	.019(a)	8.300	.000	.019	.961
	Geographic Location	-.159(a)	-70.776	.000	-.163	.953
2	**LN(Stand Area)**	.089(b)	40.934	.000	.095	.994
	Stand Area	.090(b)	41.138	.000	.095	.994
	Stand Value	.080(b)	18.091	.000	.042	.243
	Precipitation	-.030(b)	-13.554	.000	-.032	.977
	Ave Max Temp	.065(b)	28.511	.000	.066	.925
	Ave Min Temp	.043(b)	18.597	.000	.043	.903
	Evaporation	.069(b)	31.544	.000	.073	.989
	% unemployed	.118(b)	33.570	.000	.078	.383
	% Formal Housing	-.050(b)	-20.173	.000	-.047	.765

	Ave Houshold size	-.064(b)	-24.294	.000	-.056	.685
	Ave House Size	-.209(b)	-68.802	.000	-.158	.504
	%house water connection	-.073(b)	-24.828	.000	-.058	.552
	%Waterborne Sanitation	-.071(b)	-28.248	.000	-.066	.754
	Geographic Location	-.130(b)	-57.424	.000	-.133	.911
3	**LN(Stand Area)**	.084(c)	38.739	.000	.090	.992
	Stand Area	.084(c)	38.752	.000	.090	.992
	Stand Value	.067(c)	15.359	.000	.036	.243
	Precipitation	-.049(c)	-22.317	.000	-.052	.963
	Ave Max Temp	.075(c)	33.406	.000	.078	.921
	Ave Min Temp	.039(c)	17.080	.000	.040	.903
	Evaporation	.033(c)	14.513	.000	.034	.923
	% unemployed	-.019(c)	-4.486	.000	-.010	.268
	% Formal Housing	.059(c)	20.015	.000	.047	.541
	Ave Houshold size	-.016(c)	-5.874	.000	-.014	.633
	%house water connection	.011(c)	3.370	.001	.008	.460
	%Waterborne Sanitation	.009(c)	3.053	.002	.007	.598
	Geographic Location	-.110(c)	-48.591	.000	-.112	.892
4	**LN(Stand Area)**	.076(d)	35.471	.000	.082	.987
	Stand Area	.076(d)	35.501	.000	.082	.987
	Stand Value	.087(d)	19.837	.000	.046	.241
	Precipitation	-.121(d)	-49.672	.000	-.115	.771
	Ave Max Temp	.047(d)	19.985	.000	.046	.840
	Ave Min Temp	.089(d)	36.892	.000	.086	.789
	Evaporation	.002(d)	.844	.399	.002	.848
	% unemployed	-.055(d)	-13.105	.000	-.030	.260
	% Formal Housing	.068(d)	23.248	.000	.054	.539
	Ave Houshold size	.001(d)	.237	.813	.001	.623
	%house water connection	.074(d)	21.849	.000	.051	.403
	%Waterborne Sanitation	.012(d)	4.180	.000	.010	.598
5	**LN(Stand Area)**	.081(e)	37.707	.000	.087	.986
	Stand Area	.081(e)	37.796	.000	.088	.985
	Stand Value	.086(e)	19.819	.000	.046	.241
	Ave Max Temp	.019(e)	7.966	.000	.019	.788
	Ave Min Temp	.072(e)	29.789	.000	.069	.771
	Evaporation	-.003(e)	-1.234	.217	-.003	.847
	% unemployed	-.049(e)	-11.770	.000	-.027	.260
	% Formal Housing	.067(e)	23.183	.000	.054	.539

	Ave Houshold size	-.011(e)	-4.126	.000	-.010	.619
	%house water connection	.074(e)	22.109	.000	.051	.403
	%Waterborne Sanitation	.033(e)	11.698	.000	.027	.585
6	**LN(Stand Area)**	-.017(f)	-.459	.646	-.001	.003
	Stand Value	.088(f)	20.452	.000	.048	.241
	Ave Max Temp	.014(f)	5.914	.000	.014	.785
	Ave Min Temp	.064(f)	26.172	.000	.061	.763
	Evaporation	.003(f)	1.150	.250	.003	.843
	% unemployed	-.038(f)	-9.181	.000	-.021	.259
	% Formal Housing	.061(f)	20.951	.000	.049	.537
	Ave Houshold size	-.003(f)	-1.120	.263	-.003	.615
	%house water connection	.062(f)	18.306	.000	.043	.399
	%Waterborne Sanitation	.028(f)	10.041	.000	.023	.584
7	**LN(Stand Area)**	-.122(g)	-3.261	.001	-.008	.003
	Stand Value	.082(g)	18.866	.000	.044	.240
	Ave Max Temp	-.057(g)	-17.093	.000	-.040	.406
	Evaporation	.060(g)	20.780	.000	.048	.546
	% unemployed	-.008(g)	-1.926	.054	-.004	.238
	% Formal Housing	.049(g)	16.803	.000	.039	.522
	Ave Houshold size	-.008(g)	-2.888	.004	-.007	.612
	%house water connection	.041(g)	11.702	.000	.027	.370
	%Waterborne Sanitation	.023(g)	8.336	.000	.019	.581
8	**LN(Stand Area)**	-.027(h)	-.716	.474	-.002	.003
	Stand Value	.085(h)	19.779	.000	.046	.240
	Ave Max Temp	-.039(h)	-11.179	.000	-.026	.366
	% unemployed	-.012(h)	-2.679	.007	-.006	.238
	% Formal Housing	.046(h)	15.779	.000	.037	.520
	Ave Houshold size	-.018(h)	-6.491	.000	-.015	.594
	%house water connection	.037(h)	10.560	.000	.025	.368
	%Waterborne Sanitation	.016(h)	5.535	.000	.013	.570
9	**LN(Stand Area)**	-.037(i)	-.993	.321	-.002	.003
	Ave Max Temp	-.037(i)	-10.453	.000	-.024	.366
	% unemployed	-.016(i)	-3.667	.000	-.009	.237
	% Formal Housing	.048(i)	16.473	.000	.038	.520
	Ave Houshold size	-.020(i)	-7.128	.000	-.017	.594
	%house water connection	.044(i)	12.437	.000	.029	.365

	%Waterborne Sanitation	.020(i)	7.041	.000	.016	.567
10	**LN(Stand Area)**	-.022(j)	-.573	.567	-.001	.003
	Ave Max Temp	-.030(j)	-8.583	.000	-.020	.361
	% unemployed	.015(j)	3.120	.002	.007	.200
	Ave Houshold size	-.013(j)	-4.693	.000	-.011	.580
	%house water connection	.008(j)	1.573	.116	.004	.194
	%Waterborne Sanitation	-.042(j)	-9.269	.000	-.022	.222
11	**LN(Stand Area)**	-.012(k)	-.323	.746	-.001	.003
	Ave Max Temp	-.028(k)	-8.054	.000	-.019	.359
	% unemployed	.031(k)	6.168	.000	.014	.182
	Ave Houshold size	-.011(k)	-3.933	.000	-.009	.576
	%house water connection	.015(k)	3.067	.002	.007	.189
12	**LN(Stand Area)**	-.013(l)	-.353	.724	-.001	.003
	% unemployed	.033(l)	6.718	.000	.016	.181
	Ave Houshold size	-.008(l)	-3.021	.003	-.007	.568
	%house water connection	.008(l)	1.578	.115	.004	.182
13	**LN(Stand Area)**	-.007(m)	-.186	.853	.000	.003
	Ave Houshold size	-.024(m)	-7.333	.000	-.017	.428
	%house water connection	.020(m)	3.919	.000	.009	.164
14	**LN(Stand Area)**	-.017(n)	-.444	.657	-.001	.003
	%house water connection	.013(n)	2.370	.018	.006	.156
15	**LN(Stand Area)**	-.017(o)	-.442	.658	-.001	.003

a Predictors in the Model: (Constant), LN(Stand Value)

b Predictors in the Model: (Constant), LN(Stand Value), Ave Income

c Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size

d Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location

e Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation

f Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area

g Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp

h Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation

i Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value

j Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing

k Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic

Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation
l Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation, Ave Max Temp
m Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation, Ave Max Temp, % unemployed
n Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation, Ave Max Temp, % unemployed, Ave Houshold size
o Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, Stand Area, Ave Min Temp, Evaporation, Stand Value, % Formal Housing, %Waterborne Sanitation, Ave Max Temp, % unemployed, Ave Houshold size, %house water connection
p Dependent Variable: LN(Water Demand)

Single Variable Regression

Res1500 Descriptives

Descriptive Statistics			
	N	**Mean**	**Variance**
Ln(Water demand)	205540	.5258	.199
Ln(Stand Area)	205540	7.0628	.016
Ln(Stand Value)	205540	12.4980	.315
Valid N (listwise)	205540		

Regression

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.122(a)	.015	.015	.44286
a Predictors: (Constant), Ln(Stand Area)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	612.046	1	612.046	3120.674	.000(a)
	Residual	40311.364	205538	.196		
	Total	40923.409	205539			
a Predictors: (Constant), Ln(Stand Area)						
b Dependent Variable: Ln(Water demand)						

Coefficients(a)								
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
		B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
1	**(Constant)**	-2.542	.055		-46.282	.000	-2.650	-2.434
	Ln(Stand Area)	.434	.008	.122	55.863	.000	.419	.450
a Dependent Variable: Ln(Water demand)								

Regression

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.323(a)	.104	.104	.42234
a Predictors: (Constant), Ln(Stand Value)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	4261.173	1	4261.173	23889.238	.000(a)
	Residual	36662.237	205538	.178		
	Total	40923.409	205539			
a Predictors: (Constant), Ln(Stand Value)						
b Dependent Variable: Ln(Water demand)						

Coefficients(a)								
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
		B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
1	**(Constant)**	-2.681	.021		-129.093	.000	-2.722	-2.641
	Ln(Stand Value)	.257	.002	.323	154.561	.000	.253	.260
a Dependent Variable: Ln(Water demand)								

Descriptives

Descriptive Statistics				
Geographic Location		**N**	**Mean**	**Variance**
Inland	**Ln(Water demand)**	175129	.5528	.197

	Ln(Stand Area)	175129	7.0672	.016
	Ln(Stand Value)	175129	12.4809	.274
	Valid N (listwise)	175129		
Coastal	**Ln(Water demand)**	30411	.3699	.182
	Ln(Stand Area)	30411	7.0373	.014
	Ln(Stand Value)	30411	12.5964	.541
	Valid N (listwise)	30411		

Regression

Model Summary

Geographic Location	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Inland	**1**	.119(a)	.014	.014	.44077
Coastal	**1**	.064(a)	.004	.004	.42613

a Predictors: (Constant), Ln(Stand Area)

ANOVA(b)

Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	488.457	1	488.457	2514.228	.000(a)
		Residual	34023.196	175127	.194		
		Total	34511.654	175128			
Coastal	**1**	**Regression**	22.750	1	22.750	125.281	.000(a)
		Residual	5521.953	30409	.182		
		Total	5544.703	30410			

a Predictors: (Constant), Ln(Stand Area)

b Dependent Variable: Ln(Water demand)

Coefficients(a)

Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
			B	Std. Error	Beta			Lower Bound	Upper Bound
Inland	**1**	**(Constant)**	-2.399	.059		-40.745	.000	-2.514	-2.284
		Ln(Stand Area)	.418	.008	.119	50.142	.000	.401	.434
Coastal	**1**	**(Constant)**	-1.266	.146		-8.661	.000	-1.553	-.980
		Ln(Stand Area)	.233	.021	.064	11.193	.000	.192	.273

a Dependent Variable: Ln(Water demand)

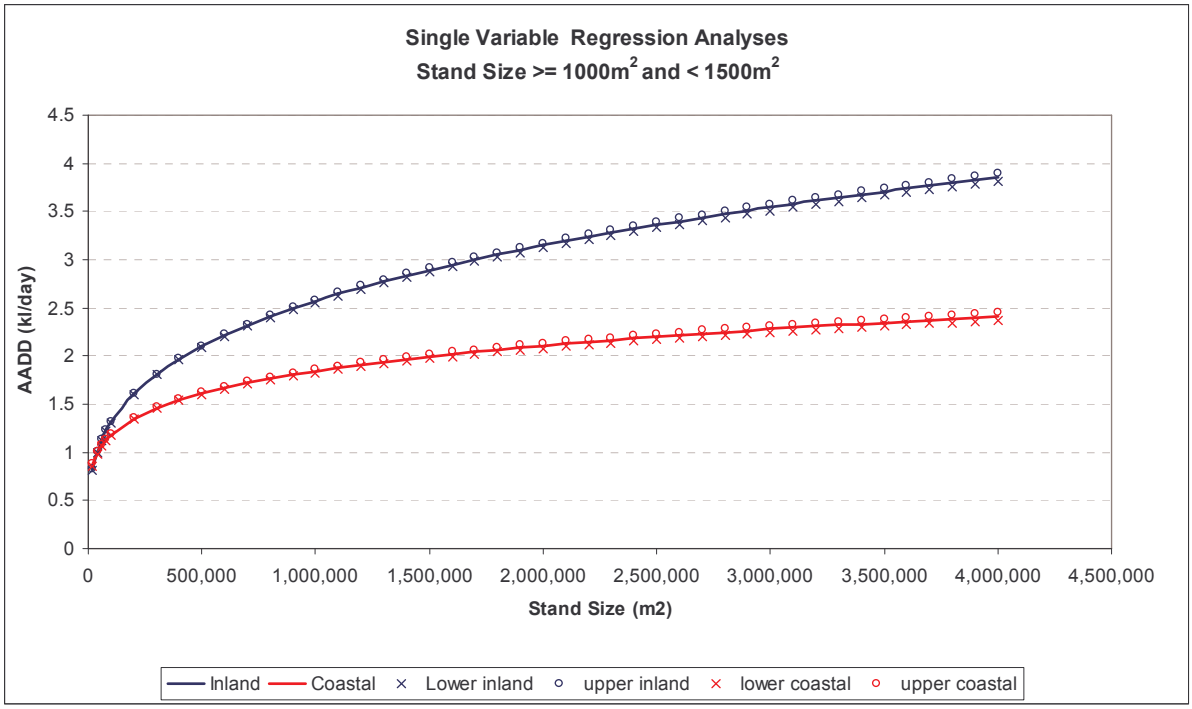
Regression

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.344(a)	.118	.118	.41684
Coastal	**1**	.332(a)	.110	.110	.40283
a Predictors: (Constant), Ln(Stand Value)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	4081.771	1	4081.771	23490.998	.000(a)
		Residual	30429.883	175127	.174		
		Total	34511.654	175128			
Coastal	**1**	**Regression**	610.266	1	610.266	3760.832	.000(a)
		Residual	4934.437	30409	.162		
		Total	5544.703	30410			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: Ln(Water demand)							

Coefficients(a)								
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**
			B	**Std. Error**	**Beta**			**Lower Bound** / **Upper Bound**
Inland	**1**	**(Constant)**	-3.090	.024		-129.897	.000	-3.137 / -3.044
		Ln(Stand Value)	.292	.002	.344	153.268	.000	.288 / .296
Coastal	**1**	**(Constant)**	-2.055	.040		-51.883	.000	-2.133 / -1.978
		Ln(Stand Value)	.193	.003	.332	61.326	.000	.186 / .199
a Dependent Variable: Ln(Water demand)								

Graphs


Single Variable Regression Analyses
Stand Size >= 1000m2 and < 1500m2
AADD (kl/day)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
500,000
1,000,000
1,500,000
2,000,000
2,500,000
3,000,000
3,500,000
4,000,000
4,500,000
Stand Size (m2)
Inland
Coastal
Lower inland
upper inland
lower coastal
upper coastal

User Category: RES 2000:

Stands Size >=1500 m^2 and < 2000m^2

Multiple Variable Regression

Descriptives

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Stand Area	55047	1500.00	1999.00	1743.6405	176.31848
Water Demand	55047	.00	378.24	1.8621	2.93283
Stand Value	55042	.00	34000000.00	401306.1534	370464.81186
Precipitation	55047	109.00	882.10	688.2291	94.71839
Ave Max Temp	52407	20.76	27.04	23.6993	1.61014
Ave Min Temp	52407	7.43	13.82	10.6809	1.74872
Evaporation	54923	1361.00	2690.00	2060.1478	274.38347
%unemployed	53316	.01	.83	.1026	.11709
%Formal Housing	53316	.05	.99	.9291	.11056
Ave Household size	53316	1.12	4.94	2.7265	.38412
Ave House Size	53316	1.79	6.47	4.8362	.74054
Ave Income	53316	8229.28	310992.90	183575.4537	73773.60722
%house water connection	53316	.01	.97	.7718	.16044
%Waterborne Sanitation	53316	.01	.99	.9441	.09210
Geographic Location	55047	1	2	1.10	.298
Valid N (listwise)	50815				

Descriptives

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Stand Area	53998	1500	1999	1742.75	176.320
Water Demand	53998	.00	260.14	1.8313	1.97576
Stand Value	53998	20100	6800000	406702.05	279643.297
Precipitation	53998	109.00	882.10	689.1028	94.10927
Ave Max Temp	51448	20.76	27.04	23.7109	1.61147
Ave Min Temp	51448	7.43	13.82	10.6804	1.74791
Evaporation	53876	1361.00	2690.00	2063.5712	272.04436
%unemployed	52374	.01	.83	.1006	.11506

%Formal Housing	52374	.05	.99	.9295	.11007
Ave Household size	52374	1.12	4.94	2.7207	.37479
Ave House Size	52374	1.79	6.47	4.8502	.73247
Ave Income	52374	8229	310993	184869.17	72863.421
%house water connection	52374	.01	.97	.7744	.15816
%Waterborne Sanitation	52374	.01	.99	.9452	.09038
Geographic Location	53998	1	2	1.10	.294
Valid N (listwise)	49953				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	LN(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	Ave Income	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	Ave House Size	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	Geographic Location	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	Precipitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	%Formal Housing	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	Stand Value	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	Stand Area	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
9	Evaporation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	%house water connection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: LN(Water Demand)			

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.325(a)	.105	.105	.47695
2	.363(b)	.132	.132	.46985
3	.393(c)	.155	.155	.46363
4	.404(d)	.163	.163	.46124
5	.411(e)	.169	.169	.45972

6	.414(f)	.171	.171	.45905
7	.416(g)	.173	.173	.45865
8	.417(h)	.174	.173	.45845
9	.417(i)	.174	.174	.45838
10	.417(j)	.174	.174	.45836
11	.417(k)	.174	.174	.45833

a Predictors: (Constant), LN(Stand Value)

b Predictors: (Constant), LN(Stand Value), Ave Income

c Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size

d Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location

e Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation

f Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing

g Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value

h Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value, Stand Area

i Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value, Stand Area, Evaporation

j Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value, Stand Area, Evaporation, LN(Stand Area)

k Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value, Stand Area, Evaporation, LN(Stand Area), %house water connection

ANOVA(l)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	**Regression**	1338.105	1	1338.105	5882.192	.000(a)
	Residual	11363.055	49951	.227		
	Total	12701.160	49952			
2	**Regression**	1674.448	2	837.224	3792.548	.000(b)
	Residual	11026.712	49950	.221		
	Total	12701.160	49952			
3	**Regression**	1964.400	3	654.800	3046.226	.000(c)
	Residual	10736.761	49949	.215		
	Total	12701.160	49952			
4	**Regression**	2074.957	4	518.739	2438.310	.000(d)
	Residual	10626.204	49948	.213		
	Total	12701.160	49952			
5	**Regression**	2145.370	5	429.074	2030.256	.000(e)
	Residual	10555.791	49947	.211		
	Total	12701.160	49952			
6	**Regression**	2176.226	6	362.704	1721.211	.000(f)
	Residual	10524.935	49946	.211		

	Total	12701.160	49952			
7	**Regression**	2194.561	7	313.509	1490.320	.000(g)
	Residual	10506.599	49945	.210		
	Total	12701.160	49952			
8	**Regression**	2204.321	8	275.540	1311.021	.000(h)
	Residual	10496.840	49944	.210		
	Total	12701.160	49952			
9	**Regression**	2207.431	9	245.270	1167.319	.000(i)
	Residual	10493.729	49943	.210		
	Total	12701.160	49952			
10	**Regression**	2208.835	10	220.884	1051.375	.000(j)
	Residual	10492.325	49942	.210		
	Total	12701.160	49952			
11	**Regression**	2210.430	11	200.948	956.612	.000(k)
	Residual	10490.730	49941	.210		
	Total	12701.160	49952			

a Predictors: (Constant), LN(Stand Value)

b Predictors: (Constant), LN(Stand Value), Ave Income

c Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size

d Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location

e Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation

f Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing

g Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value

h Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value, Stand Area

i Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value, Stand Area, Evaporation

j Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value, Stand Area, Evaporation, LN(Stand Area)

k Predictors: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value, Stand Area, Evaporation, LN(Stand Area), %house water connection

l Dependent Variable: LN(Water Demand)

Coefficients(a)

Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
		B	**Std. Error**	**Beta**		
1	**(Constant)**	-3.0502879818	.049		-61.895	.000
	LN(Stand Value)	.2954959902	.004	.325	76.695	.000

2	**(Constant)**	-2.6620099650	.050		-53.718	.000
	LN(Stand Value)	.2469842575	.004	.271	61.843	.000
	Ave Income	.0000012227	.000	.171	39.033	.000
3	**(Constant)**	-2.0095605231	.052		-38.625	.000
	LN(Stand Value)	.2358524882	.004	.259	59.671	.000
	Ave Income	.0000021710	.000	.304	53.904	.000
	Ave House Size	-.1414097074	.004	-.199	-36.727	.000
4	**(Constant)**	-2.0786122271	.052		-40.091	.000
	LN(Stand Value)	.2568479091	.004	.282	63.598	.000
	Ave Income	.0000018746	.000	.263	44.503	.000
	Ave House Size	-.1256264595	.004	-.177	-32.274	.000
	Geographic Location	-.2072699265	.009	-.099	-22.796	.000
5	**(Constant)**	-1.6852697964	.056		-30.100	.000
	LN(Stand Value)	.2644431253	.004	.290	65.348	.000
	Ave Income	.0000020846	.000	.292	47.888	.000
	Ave House Size	-.1437199597	.004	-.202	-35.892	.000
	Geographic Location	-.2705601006	.010	-.129	-27.884	.000
	Precipitation	-.0005387980	.000	-.086	-18.253	.000
6	**(Constant)**	-1.8228668421	.057		-31.951	.000
	LN(Stand Value)	.2640358145	.004	.290	65.340	.000
	Ave Income	.0000019923	.000	.279	45.142	.000
	Ave House Size	-.1680920343	.004	-.237	-37.545	.000
	Geographic Location	-.2787103646	.010	-.133	-28.697	.000
	Precipitation	-.0005506628	.000	-.088	-18.672	.000
	%Formal Housing	.3170814310	.026	.066	12.101	.000
7	**(Constant)**	-1.1241985301	.094		-11.950	.000
	LN(Stand Value)	.2039941381	.008	.224	26.864	.000
	Ave Income	.0000020403	.000	.286	45.958	.000
	Ave House Size	-.1653666002	.004	-.233	-36.890	.000
	Geographic Location	-.2856897511	.010	-.137	-29.354	.000
	Precipitation	-.0005451985	.000	-.087	-	.000

					18.499	
	%Formal Housing	.3095418007	.026	.064	11.818	.000
	Stand Value	.0000001375	.000	.075	9.336	.000
8	**(Constant)**	-1.2480134943	.096		-13.031	.000
	LN(Stand Value)	.2019604663	.008	.222	26.588	.000
	Ave Income	.0000020299	.000	.284	45.717	.000
	Ave House Size	-.1637535109	.004	-.230	-36.496	.000
	Geographic Location	-.2824819493	.010	-.135	-29.004	.000
	Precipitation	-.0005359653	.000	-.086	-18.175	.000
	%Formal Housing	.3055678967	.026	.064	11.668	.000
	Stand Value	.0000001373	.000	.075	9.321	.000
	Stand Area	.0000790390	.000	.028	6.814	.000
9	**(Constant)**	-1.3307263903	.098		-13.559	.000
	LN(Stand Value)	.2000220786	.008	.220	26.279	.000
	Ave Income	.0000019828	.000	.278	43.061	.000
	Ave House Size	-.1592681560	.005	-.224	-34.360	.000
	Geographic Location	-.2725929621	.010	-.130	-27.065	.000
	Precipitation	-.0005355952	.000	-.086	-18.164	.000
	%Formal Housing	.3106246337	.026	.065	11.848	.000
	Stand Value	.0000001408	.000	.077	9.543	.000
	Stand Area	.0000811944	.000	.029	6.993	.000
	Evaporation	.0000353684	.000	.018	3.847	.000
10	**(Constant)**	8.1016121395	3.650		2.220	.026
	LN(Stand Value)	.1994204059	.008	.219	26.189	.000
	Ave Income	.0000019796	.000	.277	42.977	.000
	Ave House Size	-.1595045146	.005	-.224	-34.406	.000
	Geographic Location	-.2718431040	.010	-.130	-26.981	.000
	Precipitation	-.0005402128	.000	-.086	-18.289	.000
	%Formal Housing	.3113741426	.026	.065	11.877	.000
	Stand Value	.0000001424	.000	.078	9.643	.000
	Stand Area	.0009162595	.000	.323	2.835	.005
	Evaporation	.0000352671	.000	.018	3.837	.000
	LN(Stand Area)	-1.4584191191	.564	-.295	-2.585	.010
11	**(Constant)**	9.0545471879	3.666		2.470	.014
	LN(Stand Value)	.1980982980	.008	.218	25.966	.000

	Ave Income	.0000019132	.000	.268	36.814	.000
	Ave House Size	-.1606627356	.005	-.226	-34.517	.000
	Geographic Location	-.2830415498	.011	-.135	-26.055	.000
	Precipitation	-.0005377744	.000	-.086	-18.199	.000
	%Formal Housing	.2465100054	.035	.051	6.997	.000
	Stand Value	.0000001435	.000	.078	9.717	.000
	Stand Area	.0009975728	.000	.352	3.074	.002
	Evaporation	.0000321404	.000	.016	3.470	.001
	LN(Stand Area)	-1.5985948430	.566	-.323	-2.822	.005
	%house water connection	.0803999721	.029	.024	2.756	.006
a Dependent Variable: LN(Water Demand)						

Excluded Variables(l)						
Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**LN(Stand Area)**	.044(a)	10.275	.000	.046	.994
	Stand Area	.045(a)	10.495	.000	.047	.994
	Stand Value	-.001(a)	-.155	.877	-.001	.274
	Precipitation	.047(a)	11.031	.000	.049	.987
	Ave Max Temp	.039(a)	8.983	.000	.040	.968
	Ave Min Temp	.020(a)	4.750	.000	.021	.995
	Evaporation	.112(a)	26.619	.000	.118	.998
	%unemployed	-.087(a)	-19.851	.000	-.088	.926
	%Formal Housing	.055(a)	12.777	.000	.057	.976
	Ave Household size	-.158(a)	-35.978	.000	-.159	.910
	Ave House Size	-.012(a)	-2.748	.006	-.012	.979
	Ave Income	.171(a)	39.033	.000	.172	.903
	%house water connection	.069(a)	15.635	.000	.070	.921
	%Waterborne Sanitation	.053(a)	12.304	.000	.055	.970
	Geographic Location	-.158(a)	-37.544	.000	-.166	.982
2	**LN(Stand Area)**	.042(b)	9.989	.000	.045	.993
	Stand Area	.042(b)	10.087	.000	.045	.993
	Stand Value	.075(b)	9.114	.000	.041	.260
	Precipitation	.010(b)	2.339	.019	.010	.936
	Ave Max Temp	.010(b)	2.261	.024	.010	.938
	Ave Min Temp	-.024(b)	-5.451	.000	-.024	.928
	Evaporation	.086(b)	20.302	.000	.090	.967

	%unemployed	.110(b)	16.068	.000	.072	.371
	%Formal Housing	-.041(b)	-8.285	.000	-.037	.718
	Ave Household size	-.089(b)	-16.793	.000	-.075	.613
	Ave House Size	-.199(b)	-36.727	.000	-.162	.576
	%house water connection	-.077(b)	-13.342	.000	-.060	.518
	%Waterborne Sanitation	-.033(b)	-6.958	.000	-.031	.750
	Geographic Location	-.124(b)	-28.702	.000	-.127	.916
3	**LN(Stand Area)**	.035(c)	8.500	.000	.038	.992
	Stand Area	.035(c)	8.589	.000	.038	.991
	Stand Value	.063(c)	7.822	.000	.035	.259
	Precipitation	-.039(c)	-8.806	.000	-.039	.855
	Ave Max Temp	.044(c)	10.181	.000	.046	.897
	Ave Min Temp	-.018(c)	-4.166	.000	-.019	.927
	Evaporation	.038(c)	8.498	.000	.038	.855
	%unemployed	-.018(c)	-2.264	.024	-.010	.280
	%Formal Housing	.055(c)	9.965	.000	.045	.561
	Ave Household size	-.009(c)	-1.632	.103	-.007	.504
	%house water connection	.009(c)	1.513	.130	.007	.433
	%Waterborne Sanitation	.026(c)	5.092	.000	.023	.672
	Geographic Location	-.099(c)	-22.796	.000	-.101	.887
4	**LN(Stand Area)**	.032(d)	7.849	.000	.035	.991
	Stand Area	.032(d)	7.889	.000	.035	.990
	Stand Value	.081(d)	10.001	.000	.045	.257
	Precipitation	-.086(d)	-18.253	.000	-.081	.746
	Ave Max Temp	.020(d)	4.474	.000	.020	.837
	Ave Min Temp	.022(d)	4.735	.000	.021	.796
	Evaporation	.011(d)	2.294	.022	.010	.789
	%unemployed	-.049(d)	-6.248	.000	-.028	.272
	%Formal Housing	.063(d)	11.446	.000	.051	.559
	Ave Household size	-.005(d)	-.857	.392	-.004	.503
	%house water connection	.065(d)	9.814	.000	.044	.384
	%Waterborne Sanitation	.029(d)	5.829	.000	.026	.671
5	**LN(Stand Area)**	.029(e)	7.016	.000	.031	.988
	Stand Area	.029(e)	7.094	.000	.032	.988
	Stand Value	.078(e)	9.692	.000	.043	.257
	Ave Max Temp	-.004(e)	-.757	.449	-.003	.769
	Ave Min Temp	.005(e)	1.131	.258	.005	.764
	Evaporation	.010(e)	2.273	.023	.010	.789

	%unemployed	-.054(e)	-6.937	.000	-.031	.271
	%Formal Housing	.066(e)	12.101	.000	.054	.558
	Ave Household size	-.020(e)	-3.422	.001	-.015	.493
	%house water connection	.064(e)	9.795	.000	.044	.384
	%Waterborne Sanitation	.045(e)	8.883	.000	.040	.654
6	**LN(Stand Area)**	.028(f)	6.751	.000	.030	.988
	Stand Area	.028(f)	6.835	.000	.031	.988
	Stand Value	.075(f)	9.336	.000	.042	.257
	Ave Max Temp	-.001(f)	-.318	.750	-.001	.768
	Ave Min Temp	-.004(f)	-.799	.424	-.004	.745
	Evaporation	.013(f)	2.922	.003	.013	.786
	%unemployed	-.016(f)	-1.831	.067	-.008	.219
	Ave Household size	-.003(f)	-.505	.614	-.002	.464
	%house water connection	.021(f)	2.398	.017	.011	.216
	%Waterborne Sanitation	.003(f)	.424	.671	.002	.324
7	**LN(Stand Area)**	.027(g)	6.717	.000	.030	.988
	Stand Area	.028(g)	6.814	.000	.030	.988
	Ave Max Temp	-.001(g)	-.280	.780	-.001	.768
	Ave Min Temp	-.005(g)	-.968	.333	-.004	.745
	Evaporation	.016(g)	3.513	.000	.016	.783
	%unemployed	-.015(g)	-1.746	.081	-.008	.219
	Ave Household size	-.005(g)	-.826	.409	-.004	.464
	%house water connection	.024(g)	2.696	.007	.012	.216
	%Waterborne Sanitation	.008(g)	1.146	.252	.005	.323
8	**LN(Stand Area)**	-.297(h)	-2.601	.009	-.012	.001
	Ave Max Temp	-.004(h)	-.769	.442	-.003	.764
	Ave Min Temp	-.004(h)	-.743	.457	-.003	.744
	Evaporation	.018(h)	3.847	.000	.017	.782
	%unemployed	-.019(h)	-2.202	.028	-.010	.218
	Ave Household size	-.003(h)	-.449	.654	-.002	.462
	%house water connection	.026(h)	2.961	.003	.013	.215
	%Waterborne Sanitation	.005(h)	.751	.453	.003	.321
9	**LN(Stand Area)**	-.295(i)	-2.585	.010	-.012	.001
	Ave Max Temp	.008(i)	1.487	.137	.007	.551
	Ave Min Temp	.007(i)	1.262	.207	.006	.572
	%unemployed	-.018(i)	-2.083	.037	-.009	.218
	Ave Household size	-.004(i)	-.594	.553	-.003	.462

	%house water connection	.022(i)	2.512	.012	.011	.212
	%Waterborne Sanitation	.003(i)	.359	.719	.002	.318
10	**Ave Max Temp**	.008(j)	1.471	.141	.007	.551
	Ave Min Temp	.007(j)	1.328	.184	.006	.571
	%unemployed	-.020(j)	-2.340	.019	-.010	.216
	Ave Household size	-.005(j)	-.752	.452	-.003	.460
	%house water connection	.024(j)	2.756	.006	.012	.210
	%Waterborne Sanitation	.002(j)	.241	.809	.001	.317
11	**Ave Max Temp**	.008(k)	1.416	.157	.006	.550
	Ave Min Temp	.004(k)	.686	.493	.003	.539
	%unemployed	-.010(k)	-.936	.349	-.004	.146
	Ave Household size	.003(k)	.491	.623	.002	.374
	%Waterborne Sanitation	.001(k)	.161	.872	.001	.317

a Predictors in the Model: (Constant), LN(Stand Value)

b Predictors in the Model: (Constant), LN(Stand Value), Ave Income

c Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size

d Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location

e Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation

f Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing

g Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value

h Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value, Stand Area

i Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value, Stand Area, Evaporation

j Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value, Stand Area, Evaporation, LN(Stand Area)

k Predictors in the Model: (Constant), LN(Stand Value), Ave Income, Ave House Size, Geographic Location, Precipitation, %Formal Housing, Stand Value, Stand Area, Evaporation, LN(Stand Area), %house water connection

l Dependent Variable: LN(Water Demand)

Single Variable Regression

Res2000 Descriptives

Descriptive Statistics			
	N	**Mean**	**Variance**
Ln(Water demand)	53998	.7083	.260
Ln(Stand Area)	53998	7.4581	.010
Ln(Stand Value)	53998	12.7499	.339
Valid N (listwise)	53998		

Regression

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.071(a)	.005	.005	.50857
a Predictors: (Constant), Ln(Stand Area)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	70.246	1	70.246	271.597	.000(a)
	Residual	13965.654	53996	.259		
	Total	14035.901	53997			
a Predictors: (Constant), Ln(Stand Area)						
b Dependent Variable: Ln(Water demand)						

Coefficients(a)								
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
		B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
1	**(Constant)**	-1.954	.162		-12.094	.000	-2.270	-1.637
	Ln(Stand Area)	.357	.022	.071	16.480	.000	.314	.399
a Dependent Variable: Ln(Water demand)								

Regression

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.335(a)	.112	.112	.48045
a Predictors: (Constant), Ln(Stand Value)				

ANOVA(b)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1571.860	1	1571.860	6809.522	.000(a)
	Residual	12464.041	53996	.231		
	Total	14035.901	53997			
a Predictors: (Constant), Ln(Stand Value)						
b Dependent Variable: Ln(Water demand)						

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-3.030	.045		-66.817	.000	-3.119	-2.941
	Ln(Stand Value)	.293	.004	.335	82.520	.000	.286	.300
a Dependent Variable: Ln(Water demand)								

Descriptives

Descriptive Statistics

Geographic Location		N	Mean	Variance
Inland	Ln(Water demand)	48847	.7312	.252
	Ln(Stand Area)	48847	7.4593	.010
	Ln(Stand Value)	48847	12.7414	.307
	Valid N (listwise)	48847		
Coastal	Ln(Water demand)	5151	.4908	.281
	Ln(Stand Area)	5151	7.4466	.008
	Ln(Stand Value)	5151	12.8303	.627
	Valid N (listwise)	5151		

Regression

Model Summary

Geographic Location	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Inland	1	.068(a)	.005	.005	.50109

Coastal	**1**	.049(a)	.002	.002	.52911
a Predictors: (Constant), Ln(Stand Area)					

ANOVA(b)

Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	57.084	1	57.084	227.348	.000(a)
		Residual	12264.392	48845	.251		
		Total	12321.476	48846			
Coastal	**1**	**Regression**	3.478	1	3.478	12.422	.000(a)
		Residual	1441.492	5149	.280		
		Total	1444.970	5150			
a Predictors: (Constant), Ln(Stand Area)							
b Dependent Variable: Ln(Water demand)							

Coefficients(a)

Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
			B	Std. Error	Beta			Lower Bound	Upper Bound
Inland	**1**	**(Constant)**	-1.764	.166		-10.659	.000	-2.089	-1.440
		Ln(Stand Area)	.335	.022	.068	15.078	.000	.291	.378
Coastal	**1**	**(Constant)**	-1.688	.618		-2.731	.006	-2.900	-.476
		Ln(Stand Area)	.293	.083	.049	3.525	.000	.130	.455
a Dependent Variable: Ln(Water demand)									

Regression

Model Summary

Geographic Location	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Inland	**1**	.350(a)	.122	.122	.47050
Coastal	**1**	.324(a)	.105	.105	.50112
a Predictors: (Constant), Ln(Stand Value)					

ANOVA(b)

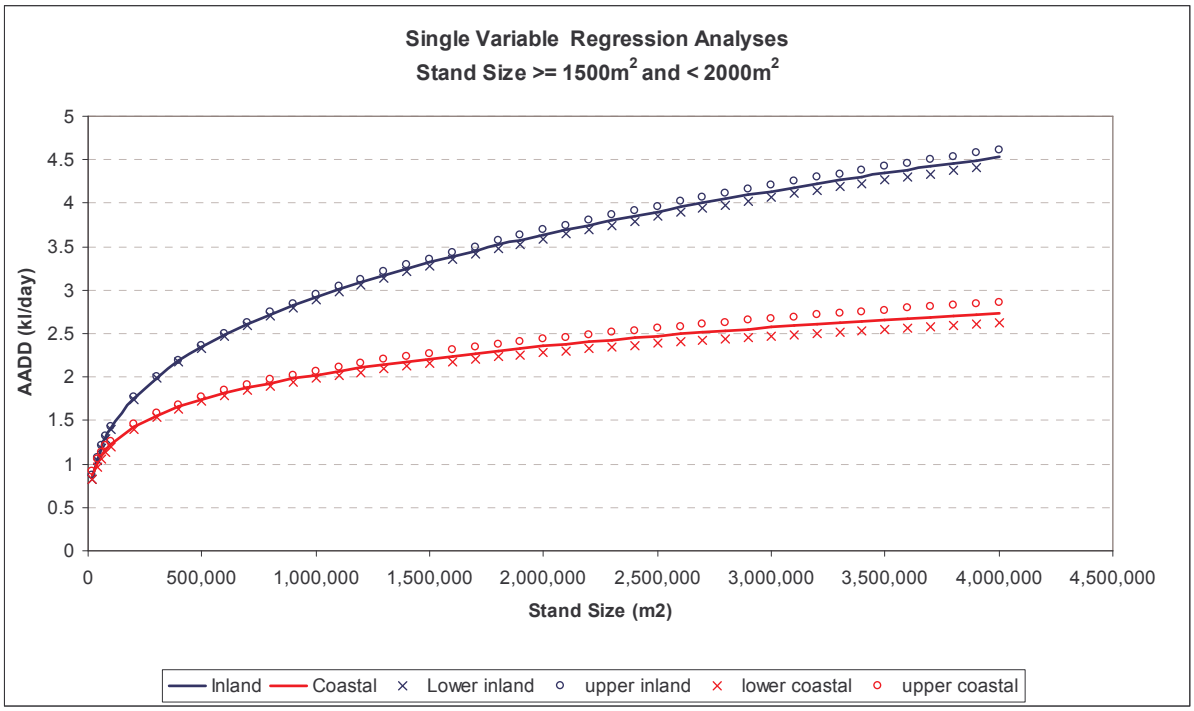
Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	1508.809	1	1508.809	6815.876	.000(a)
		Residual	10812.667	48845	.221		
		Total	12321.476	48846			
Coastal	**1**	**Regression**	151.943	1	151.943	605.054	.000(a)

		Residual	1293.027	5149	.251		
		Total	1444.970	5150			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: Ln(Water demand)							

Coefficients(a)

Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
			B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
Inland	**1**	**(Constant)**	-3.308	.049		-67.548	.000	-3.404	-3.212
		Ln(Stand Value)	.317	.004	.350	82.558	.000	.309	.325
Coastal	**1**	**(Constant)**	-2.292	.113		-20.222	.000	-2.514	-2.070
		Ln(Stand Value)	.217	.009	.324	24.598	.000	.200	.234
a Dependent Variable: Ln(Water demand)									

Graphs



User Category: RES 2500:

Stands Size >=2000 m^2 and < 2500m^2

Multi Variable Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	log(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	Geographic Location	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	Ave Income	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	Ave House Size	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	%Formal Housing	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	%unemployed	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	%house water connection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	Precipitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
9	Stand Value	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	Ave Household size	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	Evaporation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: log(Water Demand)			

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.303(a)	.092	.092	.52976
2	.353(b)	.125	.124	.52013
3	.368(c)	.136	.136	.51683
4	.379(d)	.144	.144	.51437
5	.383(e)	.146	.146	.51367
6	.384(f)	.147	.147	.51343
7	.385(g)	.148	.148	.51315
8	.386(h)	.149	.149	.51286
9	.387(i)	.150	.149	.51276
10	.387(j)	.150	.149	.51267
11	.387(k)	.150	.150	.51261

a Predictors: (Constant), log(Stand Value)
b Predictors: (Constant), log(Stand Value), Geographic Location
c Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income
d Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size
e Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing
f Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed
g Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection
h Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection, Precipitation
i Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection, Precipitation, Stand Value
j Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection, Precipitation, Stand Value, Ave Household size
k Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection, Precipitation, Stand Value, Ave Household size, Evaporation

ANOVA(l)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	496.591	1	496.591	1769.472	.000(a)
	Residual	4912.668	17505	.281		
	Total	5409.260	17506			
2	Regression	673.785	2	336.892	1245.274	.000(b)
	Residual	4735.475	17504	.271		
	Total	5409.260	17506			
3	Regression	733.978	3	244.659	915.939	.000(c)
	Residual	4675.281	17503	.267		
	Total	5409.260	17506			
4	Regression	778.593	4	194.648	735.690	.000(d)
	Residual	4630.667	17502	.265		
	Total	5409.260	17506			
5	Regression	791.437	5	158.287	599.890	.000(e)
	Residual	4617.823	17501	.264		
	Total	5409.260	17506			
6	Regression	796.091	6	132.682	503.327	.000(f)
	Residual	4613.168	17500	.264		
	Total	5409.260	17506			
7	Regression	801.404	7	114.486	434.778	.000(g)
	Residual	4607.856	17499	.263		
	Total	5409.260	17506			
8	Regression	806.791	8	100.849	383.414	.000(h)
	Residual	4602.469	17498	.263		

	Total	5409.260	17506			
9	**Regression**	808.903	9	89.878	341.843	.000(i)
	Residual	4600.356	17497	.263		
	Total	5409.260	17506			
10	**Regression**	810.859	10	81.086	308.516	.000(j)
	Residual	4598.400	17496	.263		
	Total	5409.260	17506			
11	**Regression**	812.039	11	73.822	280.933	.000(k)
	Residual	4597.220	17495	.263		
	Total	5409.260	17506			

a Predictors: (Constant), log(Stand Value)

b Predictors: (Constant), log(Stand Value), Geographic Location

c Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income

d Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size

e Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing

f Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed

g Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection

h Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection, Precipitation

i Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection, Precipitation, Stand Value

j Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection, Precipitation, Stand Value, Ave Household size

k Predictors: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection, Precipitation, Stand Value, Ave Household size, Evaporation

l Dependent Variable: log(Water Demand)

Coefficients(a)

Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
		B	**Std. Error**	**Beta**		
1	**(Constant)**	-2.788	.086		-32.497	.000
	log(Stand Value)	.279	.007	.303	42.065	.000
2	**(Constant)**	-2.673	.084		-31.679	.000
	log(Stand Value)	.302	.007	.328	45.936	.000
	Geographic Location	-.383	.015	-.183	-25.592	.000
3	**(Constant)**	-2.362	.086		-27.363	.000

	log(Stand Value)	.260	.007	.282	36.457	.000
	Geographic Location	-.322	.015	-.153	-20.820	.000
	Ave Income	8.86E-007	.000	.117	15.012	.000
4	**(Constant)**	-1.918	.092		-20.733	.000
	log(Stand Value)	.248	.007	.268	34.586	.000
	Geographic Location	-.266	.016	-.127	-16.691	.000
	Ave Income	1.61E-006	.000	.213	19.878	.000
	Ave House Size	-.101	.008	-.128	-12.986	.000
5	**(Constant)**	-2.125	.097		-21.900	.000
	log(Stand Value)	.248	.007	.268	34.620	.000
	Geographic Location	-.267	.016	-.127	-16.764	.000
	Ave Income	1.54E-006	.000	.203	18.771	.000
	Ave House Size	-.123	.008	-.156	-14.672	.000
	%Formal Housing	.351	.050	.060	6.977	.000
6	**(Constant)**	-2.437	.122		-19.946	.000
	log(Stand Value)	.251	.007	.272	34.890	.000
	Geographic Location	-.261	.016	-.125	-16.349	.000
	Ave Income	1.74E-006	.000	.231	18.261	.000
	Ave House Size	-.111	.009	-.140	-12.472	.000
	%Formal Housing	.485	.060	.083	8.145	.000
	%unemployed	.354	.084	.064	4.202	.000
7	**(Constant)**	-2.462	.122		-20.139	.000
	log(Stand Value)	.251	.007	.272	34.886	.000
	Geographic Location	-.290	.017	-.138	-16.861	.000
	Ave Income	1.66E-006	.000	.220	17.171	.000
	Ave House Size	-.106	.009	-.134	-11.867	.000
	%Formal Housing	.283	.075	.049	3.799	.000
	%unemployed	.524	.092	.095	5.676	.000
	%house water connection	.282	.063	.072	4.492	.000
8	**(Constant)**	-2.271	.129		-17.566	.000
	log(Stand Value)	.251	.007	.273	34.955	.000
	Geographic Location	-.311	.018	-.148	-	.000

					17.467	
	Ave Income	1.77E-006	.000	.234	17.758	.000
	Ave House Size	-.119	.009	-.151	-12.691	.000
	%Formal Housing	.297	.075	.051	3.980	.000
	%unemployed	.540	.092	.098	5.847	.000
	%house water connection	.301	.063	.077	4.788	.000
	Precipitation	.000	.000	-.036	-4.525	.000
9	**(Constant)**	-1.952	.171		-11.389	.000
	log(Stand Value)	.223	.012	.242	18.232	.000
	Geographic Location	-.316	.018	-.151	-17.669	.000
	Ave Income	1.80E-006	.000	.238	17.967	.000
	Ave House Size	-.117	.009	-.149	-12.488	.000
	%Formal Housing	.292	.075	.050	3.916	.000
	%unemployed	.548	.092	.099	5.938	.000
	%house water connection	.311	.063	.079	4.949	.000
	Precipitation	.000	.000	-.035	-4.395	.000
	Stand Value	5.37E-008	.000	.036	2.835	.005
10	**(Constant)**	-1.817	.178		-10.193	.000
	log(Stand Value)	.218	.012	.236	17.492	.000
	Geographic Location	-.305	.018	-.146	-16.682	.000
	Ave Income	1.73E-006	.000	.229	16.861	.000
	Ave House Size	-.103	.011	-.131	-9.624	.000
	%Formal Housing	.326	.076	.056	4.316	.000
	%unemployed	.664	.102	.120	6.536	.000
	%house water connection	.280	.064	.071	4.389	.000
	Precipitation	.000	.000	-.039	-4.821	.000
	Stand Value	5.84E-008	.000	.039	3.067	.002
	Ave Household size	-.049	.018	-.032	-2.728	.006
11	**(Constant)**	-1.9189296723	.185		-10.394	.000
	log(Stand Value)	.2162443699	.012	.234	17.369	.000
	Geographic Location	-.2904203786	.020	-.138	-14.789	.000
	Ave Income	.0000016895	.000	.224	16.144	.000
	Ave House Size	-.0951000793	.011	-.121	-8.375	.000
	%Formal Housing	.3327025308	.076	.057	4.399	.000
	%unemployed	.6460489826	.102	.117	6.336	.000

	%house water connection	.2532434535	.065	.064	3.887	.000
	Precipitation	-.0002390948	.000	-.038	-4.684	.000
	Stand Value	.0000000621	.000	.041	3.249	.001
	Ave Household size	-.0487733691	.018	-.032	-2.721	.007
	Evaporation	.0000394663	.000	.018	2.119	.034
a Dependent Variable: log(Water Demand)						

Excluded Variables(l)						
Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**log(Stand Area)**	-.032(a)	-4.456	.000	-.034	.997
	Stand Area	-.032(a)	-4.436	.000	-.034	.997
	Stand Value	-.060(a)	-4.870	.000	-.037	.345
	Precipitation	.080(a)	11.068	.000	.083	.998
	Ave Max Temp	.035(a)	4.885	.000	.037	.993
	Ave Min Temp	-.024(a)	-3.291	.001	-.025	.974
	Evaporation	.129(a)	18.032	.000	.135	.998
	%unemployed	-.070(a)	-9.183	.000	-.069	.895
	%Formal Housing	.065(a)	8.983	.000	.068	.977
	Ave Household size	-.149(a)	-19.672	.000	-.147	.879
	Ave House Size	.004(a)	.542	.588	.004	.962
	Ave Income	.161(a)	21.078	.000	.157	.871
	%house water connection	.062(a)	8.284	.000	.062	.923
	%Waterborne Sanitation	.078(a)	10.639	.000	.080	.961
	Geographic Location	-.183(a)	-25.592	.000	-.190	.981
2	**log(Stand Area)**	-.024(b)	-3.439	.001	-.026	.995
	Stand Area	-.024(b)	-3.422	.001	-.026	.995
	Stand Value	-.010(b)	-.796	.426	-.006	.336
	Precipitation	.017(b)	2.210	.027	.017	.870
	Ave Max Temp	-.015(b)	-2.044	.041	-.015	.920
	Ave Min Temp	.043(b)	5.623	.000	.042	.863
	Evaporation	.065(b)	8.367	.000	.063	.827
	%unemployed	-.056(b)	-7.477	.000	-.056	.890
	%Formal Housing	.060(b)	8.418	.000	.064	.976
	Ave Household size	-.097(b)	-12.212	.000	-.092	.786
	Ave House Size	.007(b)	.994	.320	.008	.962
	Ave Income	.117(b)	15.012	.000	.113	.809
	%house water connection	.084(b)	11.379	.000	.086	.912
	%Waterborne	.068(b)	9.494	.000	.072	.958

	Sanitation					
3	**log(Stand Area)**	-.018(c)	-2.575	.010	-.019	.991
	Stand Area	-.018(c)	-2.557	.011	-.019	.991
	Stand Value	.041(c)	3.268	.001	.025	.312
	Precipitation	.007(c)	.972	.331	.007	.864
	Ave Max Temp	-.039(c)	-5.252	.000	-.040	.881
	Ave Min Temp	.001(c)	.092	.926	.001	.744
	Evaporation	.066(c)	8.553	.000	.065	.827
	%unemployed	.068(c)	5.946	.000	.045	.378
	%Formal Housing	.013(c)	1.573	.116	.012	.760
	Ave Household size	-.052(c)	-5.791	.000	-.044	.608
	Ave House Size	-.128(c)	-12.986	.000	-.098	.504
	%house water connection	.023(c)	2.448	.014	.018	.545
	%Waterborne Sanitation	.026(c)	3.194	.001	.024	.769
4	**log(Stand Area)**	-.010(d)	-1.461	.144	-.011	.984
	Stand Area	-.010(d)	-1.469	.142	-.011	.984
	Stand Value	.032(d)	2.563	.010	.019	.312
	Precipitation	-.027(d)	-3.351	.001	-.025	.776
	Ave Max Temp	-.003(d)	-.388	.698	-.003	.755
	Ave Min Temp	.004(d)	.514	.607	.004	.743
	Evaporation	.031(d)	3.730	.000	.028	.696
	%unemployed	-.002(d)	-.180	.857	-.001	.294
	%Formal Housing	.060(d)	6.977	.000	.053	.652
	Ave Household size	-.017(d)	-1.765	.078	-.013	.546
	%house water connection	.067(d)	6.720	.000	.051	.495
	%Waterborne Sanitation	.049(d)	5.963	.000	.045	.738
5	**log(Stand Area)**	-.006(e)	-.883	.377	-.007	.977
	Stand Area	-.006(e)	-.903	.367	-.007	.978
	Stand Value	.034(e)	2.702	.007	.020	.311
	Precipitation	-.033(e)	-4.160	.000	-.031	.766
	Ave Max Temp	.007(e)	.905	.366	.007	.729
	Ave Min Temp	-.003(e)	-.418	.676	-.003	.730
	Evaporation	.025(e)	2.998	.003	.023	.688
	%unemployed	.064(e)	4.202	.000	.032	.210
	Ave Household size	.000(e)	-.041	.967	.000	.513
	%house water connection	.035(e)	2.371	.018	.018	.230
	%Waterborne Sanitation	.018(e)	1.626	.104	.012	.391
6	**log(Stand Area)**	-.006(f)	-.806	.420	-.006	.977

	Stand Area	-.006(f)	-.826	.409	-.006	.977
	Stand Value	.034(f)	2.743	.006	.021	.311
	Precipitation	-.034(f)	-4.210	.000	-.032	.766
	Ave Max Temp	.006(f)	.755	.450	.006	.728
	Ave Min Temp	.000(f)	-.028	.978	.000	.724
	Evaporation	.025(f)	2.968	.003	.022	.688
	Ave Household size	-.027(f)	-2.406	.016	-.018	.390
	%house water connection	.072(f)	4.492	.000	.034	.191
	%Waterborne Sanitation	.004(f)	.363	.716	.003	.355
7	**log(Stand Area)**	-.004(g)	-.617	.538	-.005	.975
	Stand Area	-.005(g)	-.638	.523	-.005	.976
	Stand Value	.038(g)	3.032	.002	.023	.310
	Precipitation	-.036(g)	-4.525	.000	-.034	.763
	Ave Max Temp	.009(g)	1.118	.264	.008	.724
	Ave Min Temp	-.002(g)	-.301	.763	-.002	.721
	Evaporation	.018(g)	2.107	.035	.016	.660
	Ave Household size	-.018(g)	-1.578	.115	-.012	.375
	%Waterborne Sanitation	-.018(g)	-1.427	.154	-.011	.305
8	**log(Stand Area)**	-.007(h)	-.955	.340	-.007	.970
	Stand Area	-.007(h)	-.973	.331	-.007	.970
	Stand Value	.036(h)	2.835	.005	.021	.310
	Ave Max Temp	-.002(h)	-.205	.838	-.002	.663
	Ave Min Temp	-.011(h)	-1.309	.191	-.010	.688
	Evaporation	.016(h)	1.855	.064	.014	.658
	Ave Household size	-.029(h)	-2.464	.014	-.019	.362
	%Waterborne Sanitation	-.003(h)	-.256	.798	-.002	.284
9	**log(Stand Area)**	-.007(i)	-1.049	.294	-.008	.969
	Stand Area	-.008(i)	-1.071	.284	-.008	.969
	Ave Max Temp	-.002(i)	-.260	.795	-.002	.663
	Ave Min Temp	-.013(i)	-1.515	.130	-.011	.684
	Evaporation	.018(i)	2.128	.033	.016	.653
	Ave Household size	-.032(i)	-2.728	.006	-.021	.360
	%Waterborne Sanitation	-.001(i)	-.112	.911	-.001	.284
10	**log(Stand Area)**	-.007(j)	-.961	.336	-.007	.968
	Stand Area	-.007(j)	-.983	.325	-.007	.968
	Ave Max Temp	.003(j)	.344	.731	.003	.631
	Ave Min Temp	-.008(j)	-.949	.343	-.007	.652
	Evaporation	.018(j)	2.119	.034	.016	.653
	%Waterborne	-.005(j)	-.350	.727	-.003	.281

	Sanitation					
11	**log(Stand Area)**	-.007(k)	-.974	.330	-.007	.968
	Stand Area	-.007(k)	-.997	.319	-.008	.968
	Ave Max Temp	.019(k)	1.824	.068	.014	.437
	Ave Min Temp	.002(k)	.200	.841	.002	.470
	%Waterborne Sanitation	-.010(k)	-.722	.471	-.005	.273
a Predictors in the Model: (Constant), log(Stand Value)						
b Predictors in the Model: (Constant), log(Stand Value), Geographic Location						
c Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income						
d Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size						
e Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing						
f Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed						
g Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection						
h Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection, Precipitation						
i Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection, Precipitation, Stand Value						
j Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection, Precipitation, Stand Value, Ave Household size						
k Predictors in the Model: (Constant), log(Stand Value), Geographic Location, Ave Income, Ave House Size, %Formal Housing, %unemployed, %house water connection, Precipitation, Stand Value, Ave Household size, Evaporation						
l Dependent Variable: log(Water Demand)						

Single Variable Regression

Regression

Variables Entered/Removed(b)				
Geographic Location	**Model**	**Variables Entered**	**Variables Removed**	**Method**
Inland	**1**	log(Stand Area)(a)	.	Enter
Coastal	**1**	log(Stand Area)(a)	.	Enter
a All requested variables entered.				
b Dependent Variable: log(Water Demand)				

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.012(a)	.000	.000	.55418
Coastal	**1**	.070(a)	.005	.005	.60608
a Predictors: (Constant), log(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	.719	1	.719	2.342	.126(a)
		Residual	5274.349	17174	.307		
		Total	5275.068	17175			
Coastal	**1**	**Regression**	4.536	1	4.536	12.347	.000(a)
		Residual	909.519	2476	.367		
		Total	914.055	2477			
a Predictors: (Constant), log(Stand Area)							
b Dependent Variable: log(Water Demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	1.601	.510		3.141	.002
		log(Stand Area)	-.102	.066	-.012	-1.530	.126
Coastal	**1**	**(Constant)**	5.485	1.404		3.906	.000
		log(Stand Area)	-.642	.183	-.070	-3.514	.000
a Dependent Variable: log(Water Demand)							

Regression

Variables Entered/Removed(b)				
Geographic Location	**Model**	**Variables Entered**	**Variables Removed**	**Method**
Inland	**1**	log(Stand Value)(a)	.	Enter
Coastal	**1**	log(Stand Value)(a)	.	Enter
a All requested variables entered.				
b Dependent Variable: log(Water Demand)				

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.365(a)	.133	.133	.51597
Coastal	**1**	.348(a)	.121	.121	.56967
a Predictors: (Constant), log(Stand Value)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	702.874	1	702.874	2640.122	.000(a)
		Residual	4572.194	17174	.266		
		Total	5275.068	17175			
Coastal	**1**	**Regression**	110.537	1	110.537	340.613	.000(a)
		Residual	803.518	2476	.325		
		Total	914.055	2477			
a Predictors: (Constant), log(Stand Value)							
b Dependent Variable: log(Water Demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-3.529	.085		-41.642	.000
		log(Stand Value)	.339	.007	.365	51.382	.000
Coastal	**1**	**(Constant)**	-2.179	.148		-14.689	.000
		log(Stand Value)	.211	.011	.348	18.456	.000
a Dependent Variable: log(Water Demand)							

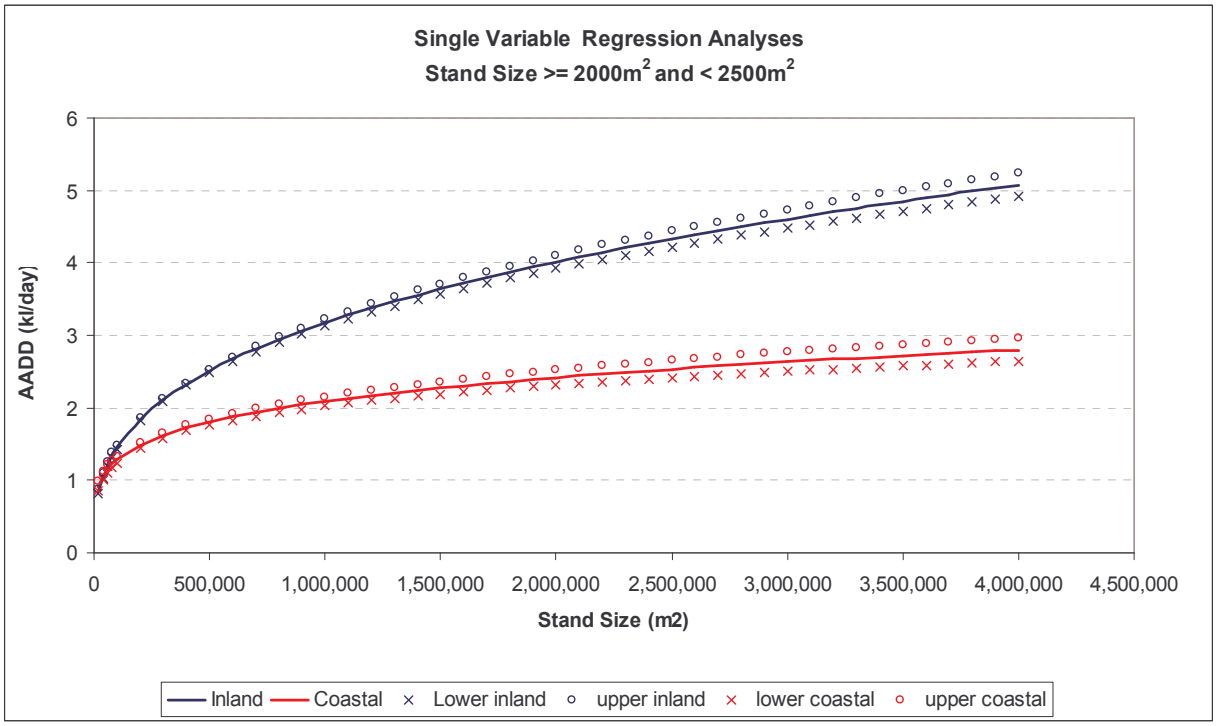
Descriptives

Descriptive Statistics							
Geographic Location		**N**	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**	**Variance**
Inland	**LN(Water demand)**	17176	-.69	7.37	.8206	.55420	.307136
	LN(Stand Area)	17176	7.60	7.82	7.6776	.06370	.004058
	LN(Stand Value)	17176	9.94	16.02	12.8484	.59760	.357125
	Valid N (listwise)	17176					
Coastal	**LN(Water demand)**	2478	-.69	5.40	.5505	.60747	.369017
	LN(Stand Area)	2478	7.60	7.82	7.6909	.06670	.004449
	LN(Stand Value)	2478	9.91	15.99	12.9058	.99882	.997646
	Valid N (listwise)	2478					

Descriptives

Descriptive Statistics						
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**	**Variance**
LN(Water demand)	19654	-.69	7.37	.7866	.56830	.322960
LN(Stand Area)	19654	7.60	7.82	7.6793	.06424	.004127
LN(Stand Value)	19654	9.91	16.02	12.8557	.66197	.438199
Valid N (listwise)	19654					

Graphs



User Category: RES 3000

Stands Size >=2500 m^2 and < 3000m^2

Multi Variable Regression

Descriptives

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Stand Area	8722	2500	2999	2714.78	168.043
Water Demand	8722	.00	751.00	2.4491	8.58356
Stand Value	8717	0	33000000	522716.46	759913.144
Precipitation	8722	123.80	882.10	673.0361	106.41067
Ave Max Temp	8104	20.76	27.04	23.8037	1.69728
Ave Min Temp	8104	7.43	13.82	10.9482	1.76891
Evaporation	8683	1361.00	2690.00	1956.6659	303.02523
%unemployed	7843	.01	.72	.0932	.10413
%FormalHousing	7843	.15	.99	.9375	.10067
Ave Household size	7843	1.12	4.96	2.7133	.42264
Ave House Size	7843	1.79	6.47	4.8419	.74097
Ave Income	7843	8229.28	310992.90	179396.6342	78283.65309
%house water connection	7843	.01	.97	.7865	.14665
%Waterborne Sanitation	7843	.01	.99	.9435	.10015
Geographic Location	8722	1	2	1.14	.350
Valid N (listwise)	7213				

Descriptives

Descriptive Statistics					
	N	Minimum	Maximum	Mean	Std. Deviation
Stand Area	8070	2500	2999	2712.63	167.449
Water Demand	8070	.00	751.00	2.3825	8.73230
Stand Value	8070	20500	9500000	551957.68	585157.694
Precipitation	8070	123.80	882.10	675.5473	105.24890
Ave Max Temp	7482	20.76	27.04	23.9355	1.65235
Ave Min Temp	7482	7.43	13.82	10.8662	1.72875
Evaporation	8033	1361.00	2690.00	1964.8449	299.90426
%unemployed	7481	.01	.72	.0911	.10189

%FormalHousing	7481	.15	.99	.9385	.09938
Ave Household size	7481	1.12	4.96	2.7075	.40982
Ave House Size	7481	1.79	6.47	4.8665	.73256
Ave Income	7481	8229.28	310992.90	180916.9077	77404.88429
%house water connection	7481	.01	.97	.7896	.14263
%Waterborne Sanitation	7481	.01	.99	.9446	.09928
Geographic Location	8070	1	2	1.11	.317
Valid N (listwise)	6885				

Descriptives

Descriptive Statistics					
	N	**Skewness**		**Kurtosis**	
	Statistic	**Statistic**	**Std. Error**	**Statistic**	**Std. Error**
Stand Area	8070	.418	.027	-1.361	.055
Water Demand	8070	78.420	.027	6699.094	.055
Stand Value	8070	5.721	.027	51.913	.055
Precipitation	8070	-1.581	.027	4.148	.055
Ave Max Temp	7482	.328	.028	-1.418	.057
Ave Min Temp	7482	-.063	.028	-.821	.057
Evaporation	8033	-.123	.027	-1.418	.055
%unemployed	7481	2.606	.028	7.486	.057
%FormalHousing	7481	-4.537	.028	23.027	.057
Ave Household size	7481	.968	.028	2.597	.057
Ave House Size	7481	-.725	.028	.482	.057
Ave Income	7481	-.146	.028	-.769	.057
%house water connection	7481	-2.353	.028	6.302	.057
%Waterborne Sanitation	7481	-4.356	.028	24.314	.057
Geographic Location	8070	2.437	.027	3.941	.055
Valid N (listwise)	6885				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	log_value	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	Geographic Location	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	Stand Area	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050,

			Probability-of-F-to-remove >= .100).
4	Ave Income	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	Ave House Size	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	Precipitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	%FormalHousing	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	%unemployed	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: log(Water demand)			

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.401(a)	.161	.161	.56804
2	.433(b)	.188	.187	.55891
3	.441(c)	.195	.194	.55654
4	.447(d)	.200	.199	.55476
5	.455(e)	.207	.206	.55237
6	.456(f)	.208	.207	.55206
7	.457(g)	.209	.208	.55183
8	.457(h)	.209	.208	.55167

a Predictors: (Constant), log_value

b Predictors: (Constant), log_value, Geographic Location

c Predictors: (Constant), log_value, Geographic Location, Stand Area

d Predictors: (Constant), log_value, Geographic Location, Stand Area, Ave Income

e Predictors: (Constant), log_value, Geographic Location, Stand Area, Ave Income, Ave House Size

f Predictors: (Constant), log_value, Geographic Location, Stand Area, Ave Income, Ave House Size, Precipitation

g Predictors: (Constant), log_value, Geographic Location, Stand Area, Ave Income, Ave House Size, Precipitation, %FormalHousing

h Predictors: (Constant), log_value, Geographic Location, Stand Area, Ave Income, Ave House Size, Precipitation, %FormalHousing, %unemployed

ANOVA(i)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	**Regression**	425.534	1	425.534	1318.772	.000(a)
	Residual	2220.968	6883	.323		
	Total	2646.501	6884			
2	**Regression**	496.681	2	248.340	794.987	.000(b)
	Residual	2149.821	6882	.312		
	Total	2646.501	6884			
3	**Regression**	515.205	3	171.735	554.456	.000(c)
	Residual	2131.296	6881	.310		

	Total	2646.501	6884			
4	**Regression**	529.142	4	132.286	429.840	.000(d)
	Residual	2117.359	6880	.308		
	Total	2646.501	6884			
5	**Regression**	547.656	5	109.531	358.990	.000(e)
	Residual	2098.846	6879	.305		
	Total	2646.501	6884			
6	**Regression**	550.261	6	91.710	300.911	.000(f)
	Residual	2096.240	6878	.305		
	Total	2646.501	6884			
7	**Regression**	552.352	7	78.907	259.125	.000(g)
	Residual	2094.149	6877	.305		
	Total	2646.501	6884			
8	**Regression**	553.875	8	69.234	227.492	.000(h)
	Residual	2092.626	6876	.304		
	Total	2646.501	6884			

a Predictors: (Constant), log_value

b Predictors: (Constant), log_value, Geographic Location

c Predictors: (Constant), log_value, Geographic Location, Stand Area

d Predictors: (Constant), log_value, Geographic Location, Stand Area, Ave Income

e Predictors: (Constant), log_value, Geographic Location, Stand Area, Ave Income, Ave House Size

f Predictors: (Constant), log_value, Geographic Location, Stand Area, Ave Income, Ave House Size, Precipitation

g Predictors: (Constant), log_value, Geographic Location, Stand Area, Ave Income, Ave House Size, Precipitation, %FormalHousing

h Predictors: (Constant), log_value, Geographic Location, Stand Area, Ave Income, Ave House Size, Precipitation, %FormalHousing, %unemployed

i Dependent Variable: log(Water demand)

Coefficients(a)

Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
		B	**Std. Error**	**Beta**		
1	**(Constant)**	-3.6703033146	.125		-29.396	.000
	log_value	.3483921825	.010	.401	36.315	.000
2	**(Constant)**	-3.4177476612	.124		-27.566	.000
	log_value	.3617713073	.009	.416	38.158	.000
	Geographic Location	-.3982451997	.026	-.165	-15.092	.000
3	**(Constant)**	-4.1436471869	.155		-26.718	.000
	log_value	.3534815775	.010	.407	37.203	.000
	Geographic Location	-.3979543720	.026	-.165	-15.145	.000
	Stand Area	.0003067468	.000	.084	7.734	.000
4	**(Constant)**	-4.0045539324	.156		-25.676	.000

	log_value	.3286678654	.010	.378	32.338	.000
	Geographic Location	-.3461565448	.027	-.143	-12.680	.000
	Stand Area	.0003062794	.000	.084	7.747	.000
	Ave Income	.0000006811	.000	.080	6.730	.000
5	**(Constant)**	-3.2328951253	.184		-17.551	.000
	log_value	.3123463916	.010	.360	30.224	.000
	Geographic Location	-.3103691315	.028	-.128	-11.258	.000
	Stand Area	.0002239421	.000	.061	5.494	.000
	Ave Income	.0000013814	.000	.163	10.229	.000
	Ave House Size	-.1030921057	.013	-.115	-7.790	.000
6	**(Constant)**	-3.0291144033	.197		-15.388	.000
	log_value	.3153522506	.010	.363	30.382	.000
	Geographic Location	-.3297001564	.028	-.136	-11.636	.000
	Stand Area	.0002225673	.000	.061	5.463	.000
	Ave Income	.0000014930	.000	.176	10.644	.000
	Ave House Size	-.1154151374	.014	-.128	-8.314	.000
	Precipitation	-.0002590221	.000	-.035	-2.924	.003
7	**(Constant)**	-3.1186598843	.200		-15.616	.000
	log_value	.3123084836	.010	.359	29.915	.000
	Geographic Location	-.3297286277	.028	-.136	-11.642	.000
	Stand Area	.0002183114	.000	.060	5.356	.000
	Ave Income	.0000014758	.000	.174	10.514	.000
	Ave House Size	-.1305134749	.015	-.145	-8.686	.000
	Precipitation	-.0002659659	.000	-.036	-3.002	.003
	%FormalHousing	.2358989458	.090	.034	2.621	.009
8	**(Constant)**	-3.3845094044	.232		-14.567	.000
	log_value	.3148020863	.010	.362	29.992	.000
	Geographic Location	-.3225359203	.028	-.133	-11.318	.000
	Stand Area	.0002166674	.000	.059	5.317	.000
	Ave Income	.0000016425	.000	.193	10.339	.000
	Ave House Size	-.1196754136	.016	-.133	-7.583	.000
	Precipitation	-.0002551199	.000	-.035	-2.876	.004
	%FormalHousing	.3534639113	.104	.051	3.392	.001
	%unemployed	.3155884689	.141	.047	2.237	.025

a Dependent Variable: log(Water demand)

Excluded Variables(i)						
Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**Stand Area**	.084(a)	7.630	.000	.092	.987
	Stand Value	-.088(a)	-5.188	.000	-.062	.422

	Precipitation	.058(a)	5.213	.000	.063	.970
	Ave Max Temp	.008(a)	.715	.474	.009	.977
	Ave Min Temp	-.059(a)	-5.350	.000	-.064	.985
	Evaporation	.133(a)	12.088	.000	.144	.982
	%unemployed	-.030(a)	-2.615	.009	-.032	.919
	%FormalHousing	.025(a)	2.254	.024	.027	.973
	Ave Household size	-.101(a)	-8.493	.000	-.102	.855
	Ave House Size	-.020(a)	-1.799	.072	-.022	.996
	Ave Income	.123(a)	10.589	.000	.127	.890
	%house water connection	.025(a)	2.112	.035	.025	.901
	%Waterborne Sanitation	.038(a)	3.333	.001	.040	.946
	Geographic Location	-.165(a)	-15.092	.000	-.179	.991
	log(Stand Area)	.084(a)	7.563	.000	.091	.987
2	**Stand Area**	.084(b)	7.734	.000	.093	.987
	Stand Value	-.036(b)	-2.078	.038	-.025	.403
	Precipitation	.008(b)	.726	.468	.009	.880
	Ave Max Temp	-.050(b)	-4.309	.000	-.052	.878
	Ave Min Temp	-.011(b)	-.988	.323	-.012	.898
	Evaporation	.089(b)	7.707	.000	.093	.878
	%unemployed	-.014(b)	-1.200	.230	-.014	.911
	%FormalHousing	.016(b)	1.448	.148	.017	.970
	Ave Household size	-.052(b)	-4.187	.000	-.050	.776
	Ave House Size	-.030(b)	-2.779	.005	-.033	.992
	Ave Income	.080(b)	6.714	.000	.081	.819
	%house water connection	.038(b)	3.280	.001	.040	.896
	%Waterborne Sanitation	.026(b)	2.335	.020	.028	.942
	log(Stand Area)	.084(b)	7.698	.000	.092	.987
3	**Stand Value**	-.035(c)	-2.070	.039	-.025	.403
	Precipitation	.002(c)	.190	.849	.002	.876
	Ave Max Temp	-.017(c)	-1.360	.174	-.016	.740
	Ave Min Temp	.014(c)	1.195	.232	.014	.829
	Evaporation	.066(c)	5.407	.000	.065	.776
	%unemployed	-.021(c)	-1.845	.065	-.022	.905
	%FormalHousing	.021(c)	1.934	.053	.023	.966
	Ave Household size	-.042(c)	-3.399	.001	-.041	.767
	Ave House Size	-.014(c)	-1.303	.192	-.016	.954
	Ave Income	.080(c)	6.730	.000	.081	.819
	%house water connection	.042(c)	3.647	.000	.044	.895
	%Waterborne Sanitation	.030(c)	2.698	.007	.033	.940
	log(Stand Area)	-.852(c)	-1.610	.107	-.019	.000

4	**Stand Value**	-.003(d)	-.179	.858	-.002	.370
	Precipitation	-.005(d)	-.417	.677	-.005	.868
	Ave Max Temp	-.026(d)	-2.076	.038	-.025	.732
	Ave Min Temp	-.008(d)	-.641	.521	-.008	.769
	Evaporation	.062(d)	5.082	.000	.061	.774
	%unemployed	.069(d)	4.257	.000	.051	.441
	%FormalHousing	-.009(d)	-.723	.470	-.009	.821
	Ave Household size	-.014(d)	-1.027	.304	-.012	.665
	Ave House Size	-.115(d)	-7.790	.000	-.094	.531
	%house water connection	-.005(d)	-.365	.715	-.004	.586
	%Waterborne Sanitation	.000(d)	.028	.978	.000	.791
	log(Stand Area)	-.585(d)	-1.105	.269	-.013	.000
5	**Stand Value**	-.001(e)	-.040	.968	.000	.370
	Precipitation	-.035(e)	-2.924	.003	-.035	.788
	Ave Max Temp	.010(e)	.721	.471	.009	.640
	Ave Min Temp	-.009(e)	-.757	.449	-.009	.769
	Evaporation	.025(e)	1.865	.062	.022	.625
	%unemployed	.014(e)	.790	.430	.010	.348
	%FormalHousing	.033(e)	2.531	.011	.030	.695
	Ave Household size	.023(e)	1.666	.096	.020	.591
	%house water connection	.033(e)	2.212	.027	.027	.528
	%Waterborne Sanitation	.027(e)	2.159	.031	.026	.736
	log(Stand Area)	-.553(e)	-1.050	.294	-.013	.000
6	**Stand Value**	-.004(f)	-.212	.832	-.003	.369
	Ave Max Temp	.000(f)	.036	.971	.000	.604
	Ave Min Temp	-.015(f)	-1.248	.212	-.015	.748
	Evaporation	.022(f)	1.647	.100	.020	.621
	%unemployed	.011(f)	.609	.542	.007	.347
	%FormalHousing	.034(f)	2.621	.009	.032	.695
	Ave Household size	.018(f)	1.244	.213	.015	.578
	%house water connection	.033(f)	2.209	.027	.027	.528
	%Waterborne Sanitation	.032(f)	2.575	.010	.031	.723
	log(Stand Area)	-.470(f)	-.891	.373	-.011	.000
7	**Stand Value**	.001(g)	.061	.951	.001	.365
	Ave Max Temp	.004(g)	.271	.786	.003	.600
	Ave Min Temp	-.020(g)	-1.620	.105	-.020	.735
	Evaporation	.021(g)	1.551	.121	.019	.621
	%unemployed	.047(g)	2.237	.025	.027	.259
	Ave Household size	.032(g)	2.152	.031	.026	.523
	%house water	.010(g)	.459	.646	.006	.253

	connection					
	%Waterborne Sanitation	.017(g)	.892	.373	.011	.303
	log(Stand Area)	-.352(g)	-.665	.506	-.008	.000
8	**Stand Value**	.002(h)	.093	.926	.001	.365
	Ave Max Temp	.004(h)	.279	.780	.003	.600
	Ave Min Temp	-.017(h)	-1.315	.189	-.016	.720
	Evaporation	.019(h)	1.392	.164	.017	.617
	Ave Household size	.020(h)	1.194	.232	.014	.393
	%house water connection	.033(h)	1.420	.156	.017	.216
	%Waterborne Sanitation	.006(h)	.289	.772	.003	.280
	log(Stand Area)	-.394(h)	-.743	.457	-.009	.000

a Predictors in the Model: (Constant), log_value

b Predictors in the Model: (Constant), log_value, Geographic Location

c Predictors in the Model: (Constant), log_value, Geographic Location, Stand Area

d Predictors in the Model: (Constant), log_value, Geographic Location, Stand Area, Ave Income

e Predictors in the Model: (Constant), log_value, Geographic Location, Stand Area, Ave Income, Ave House Size

f Predictors in the Model: (Constant), log_value, Geographic Location, Stand Area, Ave Income, Ave House Size, Precipitation

g Predictors in the Model: (Constant), log_value, Geographic Location, Stand Area, Ave Income, Ave House Size, Precipitation, %FormalHousing

h Predictors in the Model: (Constant), log_value, Geographic Location, Stand Area, Ave Income, Ave House Size, Precipitation, %FormalHousing, %unemployed

i Dependent Variable: log(Water demand)

Single Variable Regression

Res3000 Descriptives

Descriptive Statistics			
	N	**Mean**	**Variance**
Ln(Water demand)	8070	.8086	.408
Ln(Stand Area)	8070	7.9038	.004
Ln(Stand Value)	8070	12.9093	.639
Valid N (listwise)	8070		

Regression

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.129(a)	.017	.016	.63314
a Predictors: (Constant), Ln(Stand Area)				

ANOVA(b)						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	54.585	1	54.585	136.167	.000(a)
	Residual	3234.177	8068	.401		
	Total	3288.761	8069			
a Predictors: (Constant), Ln(Stand Area)						
b Dependent Variable: Ln(Water demand)						

Coefficients(a)								
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-9.836	.912		-10.782	.000	-11.624	-8.048
	Ln(Stand Area)	1.347	.115	.129	11.669	.000	1.121	1.573
a Dependent Variable: Ln(Water demand)								

Regression

Model Summary				
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.406(a)	.164	.164	.58360
a Predictors: (Constant), Ln(Stand Value)				

ANOVA(b)						
Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	540.884	1	540.884	1588.081	.000(a)
	Residual	2747.878	8068	.341		
	Total	3288.761	8069			
a Predictors: (Constant), Ln(Stand Value)						
b Dependent Variable: Ln(Water demand)						

Coefficients(a)								
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound

1	**(Constant)**	-3.373	.105		-32.083	.000	-3.579	-3.167
	Ln(Stand Value)	.324	.008	.406	39.851	.000	.308	.340
a Dependent Variable: Ln(Water demand)								

Descriptives

Descriptive Statistics				
Geographic Location		**N**	**Mean**	**Variance**
Inland	**Ln(Water demand)**	7154	.8345	.396
	Ln(Stand Area)	7154	7.9035	.004
	Ln(Stand Value)	7154	12.8867	.563
	Valid N (listwise)	7154		
Coastal	**Ln(Water demand)**	916	.6059	.453
	Ln(Stand Area)	916	7.9061	.003
	Ln(Stand Value)	916	13.0860	1.197
	Valid N (listwise)	916		

Regression

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.148(a)	.022	.022	.62230
Coastal	**1**	.007(a)	.000	-.001	.67354
a Predictors: (Constant), Ln(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	61.952	1	61.952	159.974	.000(a)
		Residual	2769.688	7152	.387		
		Total	2831.640	7153			
Coastal	**1**	**Regression**	.022	1	.022	.049	.826(a)
		Residual	414.641	914	.454		
		Total	414.663	915			
a Predictors: (Constant), Ln(Stand Area)							
b Dependent Variable: Ln(Water demand)							

Coefficients(a)							
Geographic	**Model**		**Unstandardized**	**Standardized**	**t**	**Sig.**	**95% Confidence**

Location			Coefficients		Coefficients			Interval for B	
			B	Std. Error	Beta			Lower Bound	Upper Bound
Inland	1	(Constant)	-11.037	.939		-11.759	.000	-12.877	-9.197
		Ln(Stand Area)	1.502	.119	.148	12.648	.000	1.269	1.735
Coastal	1	(Constant)	1.329	3.284		.405	.686	-5.115	7.774
		Ln(Stand Area)	-.091	.415	-.007	-.220	.826	-.907	.724
a Dependent Variable: Ln(Water demand)									

Regression

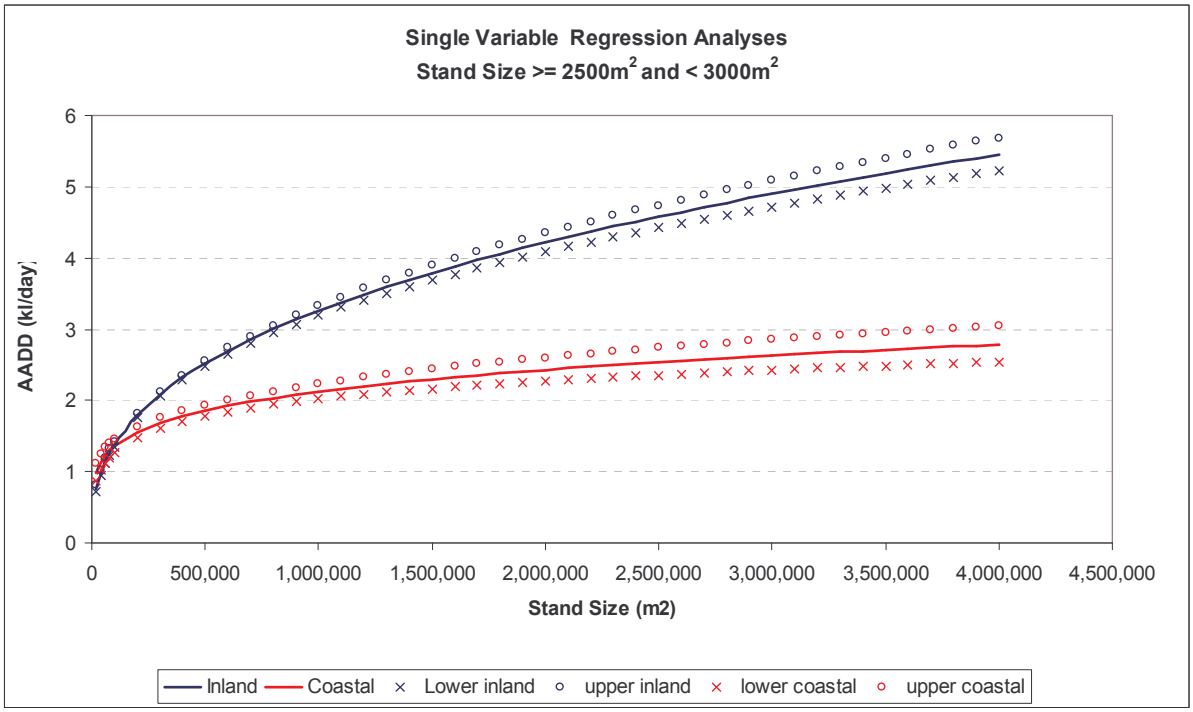
Model Summary					
Geographic Location	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Inland	1	.442(a)	.196	.196	.56433
Coastal	1	.316(a)	.100	.099	.63900
a Predictors: (Constant), Ln(Stand Value)					

ANOVA(b)							
Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	1	Regression	553.953	1	553.953	1739.427	.000(a)
		Residual	2277.687	7152	.318		
		Total	2831.640	7153			
Coastal	1	Regression	41.458	1	41.458	101.534	.000(a)
		Residual	373.204	914	.408		
		Total	414.663	915			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: Ln(Water demand)							

Coefficients(a)									
Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
			B	Std. Error	Beta			Lower Bound	Upper Bound
Inland	1	(Constant)	-3.944	.115		-34.365	.000	-4.169	-3.719
		Ln(Stand Value)	.371	.009	.442	41.706	.000	.353	.388
Coastal	1	(Constant)	-1.941	.254		-7.652	.000	-2.438	-1.443
		Ln(Stand Value)	.195	.019	.316	10.076	.000	.157	.232

a Dependent Variable: Ln(Water demand)

Graphs


Single Variable Regression Analyses
Stand Size >= 2500m2 and < 3000m2
AADD (kl/day)
0
1
2
3
4
5
6
0
500,000
1,000,000
1,500,000
2,000,000
2,500,000
3,000,000
3,500,000
4,000,000
4,500,000
Stand Size (m2)
Inland
Coastal
Lower inland
upper inland
lower coastal
upper coastal

User Category: RES 4000:

Stands Size >=3000 m^2 and < 4000m^2

Multi Variable Regression

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	log (Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	Geographic Location	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	Stand Value	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	Evaporation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	Ave Income	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	Ave Max Temp	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	Precipitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	%Waterborne Sanitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: log(Water Demand)			

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.406(a)	.165	.164	.65762
2	.443(b)	.196	.196	.64514
3	.456(c)	.208	.207	.64059
4	.463(d)	.214	.213	.63803
5	.467(e)	.218	.218	.63638
6	.469(f)	.220	.220	.63558
7	.472(g)	.223	.222	.63459
8	.473(h)	.224	.223	.63421
a Predictors: (Constant), log (Stand Value)				
b Predictors: (Constant), log (Stand Value), Geographic Location				
c Predictors: (Constant), log (Stand Value), Geographic Location, Stand Value				
d Predictors: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation				
e Predictors: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation, Ave Income				
f Predictors: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation, Ave Income,				

Ave Max Temp
g Predictors: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation, Ave Income, Ave Max Temp, Precipitation
h Predictors: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation, Ave Income, Ave Max Temp, Precipitation, %Waterborne Sanitation

ANOVA(i)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	**Regression**	525.469	1	525.469	1215.050	.000(a)
	Residual	2667.025	6167	.432		
	Total	3192.495	6168			
2	**Regression**	626.201	2	313.101	752.283	.000(b)
	Residual	2566.294	6166	.416		
	Total	3192.495	6168			
3	**Regression**	662.637	3	220.879	538.259	.000(c)
	Residual	2529.857	6165	.410		
	Total	3192.495	6168			
4	**Regression**	683.226	4	170.806	419.585	.000(d)
	Residual	2509.269	6164	.407		
	Total	3192.495	6168			
5	**Regression**	696.606	5	139.321	344.020	.000(e)
	Residual	2495.889	6163	.405		
	Total	3192.495	6168			
6	**Regression**	703.294	6	117.216	290.166	.000(f)
	Residual	2489.201	6162	.404		
	Total	3192.495	6168			
7	**Regression**	711.469	7	101.638	252.393	.000(g)
	Residual	2481.026	6161	.403		
	Total	3192.495	6168			
8	**Regression**	714.834	8	89.354	222.154	.000(h)
	Residual	2477.661	6160	.402		
	Total	3192.495	6168			

a Predictors: (Constant), log (Stand Value)
b Predictors: (Constant), log (Stand Value), Geographic Location
c Predictors: (Constant), log (Stand Value), Geographic Location, Stand Value
d Predictors: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation
e Predictors: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation, Ave Income
f Predictors: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation, Ave Income, Ave Max Temp
g Predictors: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation, Ave Income, Ave Max Temp, Precipitation
h Predictors: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation, Ave Income, Ave Max Temp, Precipitation, %Waterborne Sanitation
i Dependent Variable: log(Water Demand)

Coefficients(a)						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-3.4527691012	.126		-27.350	.000
	log (Stand Value)	.3313862272	.010	.406	34.858	.000
2	(Constant)	-2.3873683170	.142		-16.870	.000
	log (Stand Value)	.2865351579	.010	.351	29.353	.000
	Geographic Location	-.4235548639	.027	-.186	-15.557	.000
3	(Constant)	-.9184133699	.210		-4.376	.000
	log (Stand Value)	.1742119981	.015	.213	11.339	.000
	Geographic Location	-.5225476990	.029	-.229	-18.017	.000
	Stand Value	.0000001660	.000	.169	9.423	.000
4	(Constant)	-1.2266581064	.213		-5.746	.000
	log (Stand Value)	.1452496293	.016	.178	9.173	.000
	Geographic Location	-.4237334497	.032	-.186	-13.219	.000
	Stand Value	.0000001852	.000	.189	10.432	.000
	Evaporation	.0002725783	.000	.099	7.112	.000
5	(Constant)	-.8359353877	.224		-3.740	.000
	log (Stand Value)	.1047882583	.017	.128	6.060	.000
	Geographic Location	-.3912069779	.032	-.172	-12.049	.000
	Stand Value	.0000002204	.000	.225	11.764	.000
	Evaporation	.0002441554	.000	.089	6.334	.000
	Ave Income	.0000007306	.000	.081	5.748	.000
6	(Constant)	-1.9799418438	.359		-5.515	.000
	log (Stand Value)	.1012594389	.017	.124	5.856	.000
	Geographic Location	-.2899425066	.041	-.127	-7.093	.000
	Stand Value	.0000002272	.000	.232	12.095	.000
	Evaporation	.0003653472	.000	.133	7.506	.000
	Ave Income	.0000006952	.000	.077	5.464	.000
	Ave Max Temp	.0358343643	.009	.063	4.069	.000
7	(Constant)	-3.0840130550	.434		-7.103	.000
	log (Stand Value)	.0985828564	.017	.121	5.707	.000
	Geographic Location	-.1840008997	.047	-.081	-3.906	.000
	Stand Value	.0000002323	.000	.237	12.362	.000
	Evaporation	.0004268707	.000	.156	8.456	.000

	Ave Income	.0000005126	.000	.057	3.844	.000
	Ave Max Temp	.0598189301	.010	.105	5.820	.000
	Precipitation	.0005168449	.000	.068	4.506	.000
8	**(Constant)**	-3.3351243425	.443		-7.536	.000
	log (Stand Value)	.0971744524	.017	.119	5.626	.000
	Geographic Location	-.1990463279	.047	-.087	-4.203	.000
	Stand Value	.0000002315	.000	.236	12.328	.000
	Evaporation	.0004149508	.000	.151	8.197	.000
	Ave Income	.0000003706	.000	.041	2.609	.009
	Ave Max Temp	.0606485587	.010	.107	5.901	.000
	Precipitation	.0005021434	.000	.066	4.376	.000
	%Waterborne Sanitation	.3465974192	.120	.037	2.892	.004

a Dependent Variable: log(Water Demand)

Excluded Variables(i)

Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**log(Stand Area)**	.001(a)	.092	.927	.001	.954
	Stand Aream	.001(a)	.092	.927	.001	.953
	Stand Value	.052(a)	3.029	.002	.039	.458
	Precipitation	.100(a)	8.432	.000	.107	.957
	Ave Max Temp	.062(a)	5.309	.000	.067	1.000
	Ave Min Temp	-.111(a)	-9.344	.000	-.118	.953
	Evaporation	.152(a)	12.414	.000	.156	.884
	%unemployed	-.029(a)	-2.385	.017	-.030	.897
	%Formal Housing	.031(a)	2.690	.007	.034	.987
	Ave Households ize	-.103(a)	-7.550	.000	-.096	.720
	Ave House Size	.043(a)	3.644	.000	.046	.956
	Ave Income	.104(a)	8.268	.000	.105	.854
	%house water connection	.013(a)	.990	.322	.013	.834
	%Waterborne Sanitation	.058(a)	4.842	.000	.062	.950
	Geographic Location	-.186(a)	-15.557	.000	-.194	.913
2	**log(Stand Area)**	-.011(b)	-.960	.337	-.012	.949
	Stand Aream	-.012(b)	-.981	.327	-.012	.948
	Stand Value	.169(b)	9.423	.000	.119	.398
	Precipitation	.036(b)	2.836	.005	.036	.818
	Ave Max Temp	-.010(b)	-.822	.411	-.010	.843
	Ave Min Temp	-.013(b)	-.900	.368	-.011	.654
	Evaporation	.077(b)	5.541	.000	.070	.668

	%unemployed	.000(b)	-.008	.994	.000	.875
	%Formal Housing	.023(b)	1.980	.048	.025	.985
	Ave Households ize	.000(b)	.001	.999	.000	.546
	Ave House Size	.009(b)	.792	.428	.010	.922
	Ave Income	.039(b)	2.904	.004	.037	.741
	%house water connection	.011(b)	.872	.383	.011	.834
	%Waterborne Sanitation	.053(b)	4.515	.000	.057	.949
3	**log(Stand Area)**	-.007(c)	-.612	.540	-.008	.948
	Stand Aream	-.007(c)	-.609	.543	-.008	.947
	Precipitation	.049(c)	3.862	.000	.049	.809
	Ave Max Temp	-.010(c)	-.818	.413	-.010	.843
	Ave Min Temp	-.014(c)	-1.015	.310	-.013	.654
	Evaporation	.099(c)	7.112	.000	.090	.652
	%unemployed	-.033(c)	-2.619	.009	-.033	.813
	%Formal Housing	.035(c)	3.010	.003	.038	.974
	Ave Households ize	-.057(c)	-3.489	.000	-.044	.480
	Ave House Size	.033(c)	2.727	.006	.035	.886
	Ave Income	.092(c)	6.594	.000	.084	.653
	%house water connection	.050(c)	3.847	.000	.049	.760
	%Waterborne Sanitation	.069(c)	5.895	.000	.075	.932
4	**log(Stand Area)**	-.013(d)	-1.095	.274	-.014	.944
	Stand Aream	-.013(d)	-1.105	.269	-.014	.942
	Precipitation	.038(d)	3.017	.003	.038	.797
	Ave Max Temp	.069(d)	4.442	.000	.056	.530
	Ave Min Temp	.025(d)	1.641	.101	.021	.570
	%unemployed	-.044(d)	-3.484	.000	-.044	.802
	%Formal Housing	.039(d)	3.384	.001	.043	.971
	Ave Households ize	-.042(d)	-2.522	.012	-.032	.470
	Ave House Size	.061(d)	4.903	.000	.062	.818
	Ave Income	.081(d)	5.748	.000	.073	.642
	%house water connection	.046(d)	3.568	.000	.045	.759
	%Waterborne Sanitation	.056(d)	4.748	.000	.060	.904
5	**log(Stand Area)**	-.017(e)	-1.504	.133	-.019	.939
	Stand Aream	-.018(e)	-1.523	.128	-.019	.938
	Precipitation	.023(e)	1.739	.082	.022	.754
	Ave Max Temp	.063(e)	4.069	.000	.052	.527
	Ave Min Temp	-.003(e)	-.193	.847	-.002	.512
	%unemployed	.025(e)	1.290	.197	.016	.346

	%Formal Housing	.015(e)	1.169	.242	.015	.813
	Ave Households ize	-.003(e)	-.194	.846	-.002	.392
	Ave House Size	.027(e)	1.723	.085	.022	.506
	%house water connection	.002(e)	.119	.905	.002	.481
	%Waterborne Sanitation	.036(e)	2.834	.005	.036	.781
6	**log(Stand Area)**	-.012(f)	-1.012	.312	-.013	.925
	Stand Aream	-.012(f)	-1.026	.305	-.013	.923
	Precipitation	.068(f)	4.506	.000	.057	.552
	Ave Min Temp	-.016(f)	-1.018	.308	-.013	.492
	%unemployed	.015(f)	.802	.422	.010	.340
	%Formal Housing	.017(f)	1.379	.168	.018	.811
	Ave Households ize	-.028(f)	-1.502	.133	-.019	.356
	Ave House Size	.008(f)	.453	.651	.006	.454
	%house water connection	.002(f)	.148	.882	.002	.481
	%Waterborne Sanitation	.039(f)	3.085	.002	.039	.778
7	**log(Stand Area)**	-.013(g)	-1.091	.275	-.014	.925
	Stand Aream	-.013(g)	-1.101	.271	-.014	.923
	Ave Min Temp	-.016(g)	-1.018	.309	-.013	.492
	%unemployed	.005(g)	.234	.815	.003	.335
	%Formal Housing	.022(g)	1.763	.078	.022	.805
	Ave Households ize	-.023(g)	-1.238	.216	-.016	.354
	Ave House Size	.033(g)	1.900	.057	.024	.413
	%house water connection	.018(g)	1.081	.280	.014	.461
	%Waterborne Sanitation	.037(g)	2.892	.004	.037	.776
8	**log(Stand Area)**	-.011(h)	-.907	.364	-.012	.921
	Stand Aream	-.011(h)	-.910	.363	-.012	.919
	Ave Min Temp	-.026(h)	-1.571	.116	-.020	.476
	%unemployed	.019(h)	.943	.346	.012	.316
	%Formal Housing	-.010(h)	-.532	.595	-.007	.371
	Ave Households ize	-.023(h)	-1.206	.228	-.015	.354
	Ave House Size	.021(h)	1.165	.244	.015	.383
	%house water connection	-.021(h)	-.973	.331	-.012	.276

a Predictors in the Model: (Constant), log (Stand Value)

b Predictors in the Model: (Constant), log (Stand Value), Geographic Location

c Predictors in the Model: (Constant), log (Stand Value), Geographic Location, Stand Value

d Predictors in the Model: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation

e Predictors in the Model: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation, Ave Income

f Predictors in the Model: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation, Ave Income, Ave Max Temp
g Predictors in the Model: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation, Ave Income, Ave Max Temp, Precipitation
h Predictors in the Model: (Constant), log (Stand Value), Geographic Location, Stand Value , Evaporation, Ave Income, Ave Max Temp, Precipitation, %Waterborne Sanitation
i Dependent Variable: log(Water Demand)

Single Variable Regression

RES4000 Descriptives

Descriptive Statistics			
	N	**Mean**	**Variance**
Ln(Water Demand)	7044	.8901	.537
Ln(Stand Area)	7044	8.1732	.008
Ln(Stand Value)	7044	13.2029	.878
Valid N (listwise)	7044		

Regression

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.081(a)	.007	.006	.73052
a Predictors: (Constant), Ln(Stand Area)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	25.010	1	25.010	46.865	.000(a)
	Residual	3758.017	7042	.534		
	Total	3783.027	7043			
a Predictors: (Constant), Ln(Stand Area)						
b Dependent Variable: Ln(Water Demand)						

Coefficients(a)								
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
		B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
1	**(Constant)**	-4.422	.776		-	.000	-5.944	-2.901

					5.698			
	Ln(Stand Area)	.650	.095	.081	6.846	.000	.464	.836
a Dependent Variable: Ln(Water Demand)								

Regression

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.391(a)	.153	.153	.67464
a Predictors: (Constant), Ln(Stand Value)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	577.960	1	577.960	1269.864	.000(a)
	Residual	3205.066	7042	.455		
	Total	3783.027	7043			
a Predictors: (Constant), Ln(Stand Value)						
b Dependent Variable: Ln(Water Demand)						

Coefficients(a)								
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**	
		B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
1	**(Constant)**	-3.147	.114		-27.709	.000	-3.370	-2.924
	Ln(Stand Value)	.306	.009	.391	35.635	.000	.289	.323
a Dependent Variable: Ln(Water Demand)								

Descriptives

Descriptive Statistics				
Geographic Location		**N**	**Mean**	**Variance**
Inland	**Ln(Water Demand)**	5916	.9773	.486
	Ln(Stand Area)	5916	8.1777	.008
	Ln(Stand Value)	5916	13.2863	.526
	Valid N (listwise)	5916		
Coastal	**Ln(Water Demand)**	1128	.4327	.556
	Ln(Stand Area)	1128	8.1496	.008

	Ln(Stand Value)	1128	12.7654	2.494
	Valid N (listwise)	1128		

Regression

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.062(a)	.004	.004	.69590
Coastal	**1**	.005(a)	.000	-.001	.74611
a Predictors: (Constant), Ln(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	11.157	1	11.157	23.037	.000(a)
		Residual	2864.050	5914	.484		
		Total	2875.207	5915			
Coastal	**1**	**Regression**	.018	1	.018	.033	.856(a)
		Residual	626.825	1126	.557		
		Total	626.844	1127			
a Predictors: (Constant), Ln(Stand Area)							
b Dependent Variable: Ln(Water Demand)							

Coefficients(a)								
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**	**95% Confidence Interval for B**
			B	**Std. Error**	**Beta**			**Lower Bound**	**Upper Bound**
Inland	**1**	**(Constant)**	-2.896	.807		-3.588	.000	-4.478	-1.314
		Ln(Stand Area)	.474	.099	.062	4.800	.000	.280	.667
Coastal	**1**	**(Constant)**	.060	2.060		.029	.977	-3.983	4.102
		Ln(Stand Area)	.046	.253	.005	.181	.856	-.450	.542
a Dependent Variable: Ln(Water Demand)									

Regression

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.377(a)	.142	.142	.64568

Coastal	**1**	.371(a)	.137	.137	.69297
a Predictors: (Constant), Ln(Stand Value)					

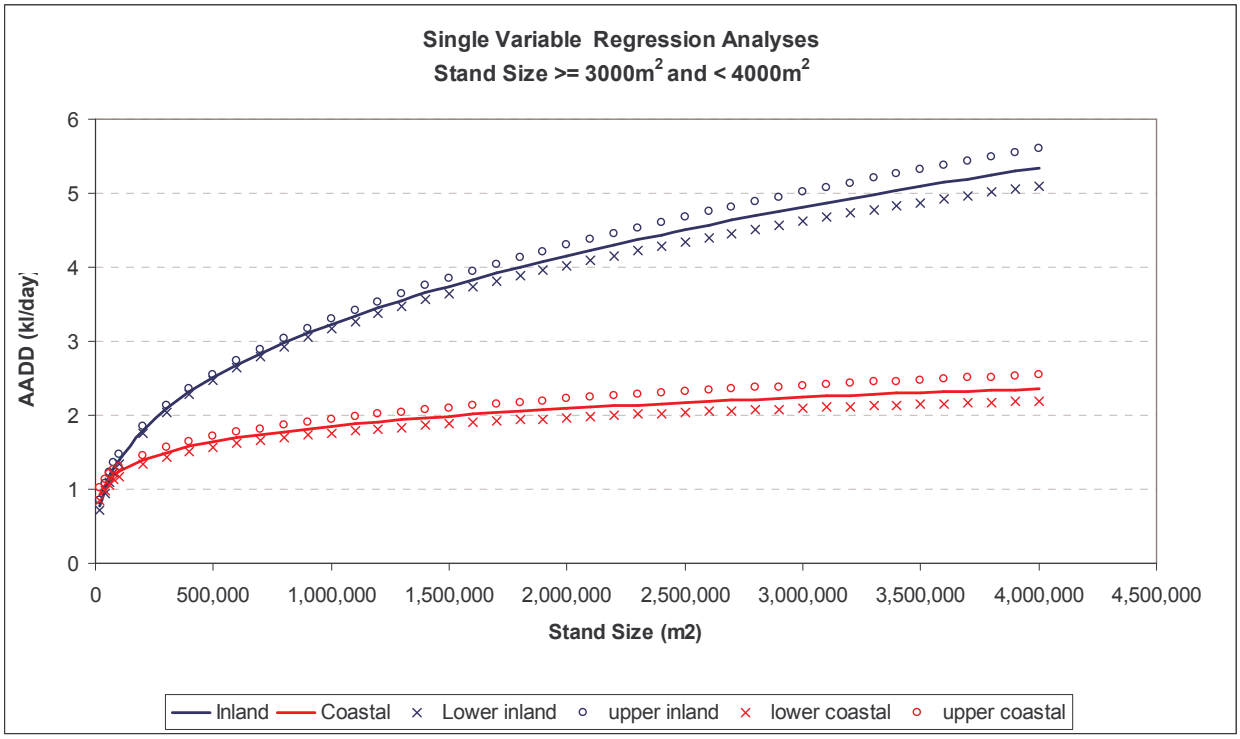
ANOVA(b)

Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	409.650	1	409.650	982.606	.000(a)
		Residual	2465.557	5914	.417		
		Total	2875.207	5915			
Coastal	**1**	**Regression**	86.133	1	86.133	179.367	.000(a)
		Residual	540.711	1126	.480		
		Total	626.844	1127			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: Ln(Water Demand)							

Coefficients(a)

Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
			B	Std. Error	Beta			Lower Bound	Upper Bound
Inland	**1**	**(Constant)**	-3.842	.154		-24.953	.000	-4.144	-3.541
		Ln(Stand Value)	.363	.012	.377	31.347	.000	.340	.385
Coastal	**1**	**(Constant)**	-1.802	.168		-10.718	.000	-2.132	-1.472
		Ln(Stand Value)	.175	.013	.371	13.393	.000	.149	.201
a Dependent Variable: Ln(Water Demand)									

Graphs


Single Variable Regression Analyses
Stand Size >= 3000m2 and < 4000m2
AADD (kl/day)
0
1
2
3
4
5
6
0
500,000
1,000,000
1,500,000
2,000,000
2,500,000
3,000,000
3,500,000
4,000,000
4,500,000
Stand Size (m2)
Inland
Coastal
Lower inland
upper inland
lower coastal
upper coastal