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Evaluation of municipal water demand and related parameters

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Stands Value >=R 20 000 and < R 50 000

Multi Variable Regression

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	270275	-683.00	7800000.00	710.7295	36280.92545
StandValue	271628	20000.00	49990.00	31239.3912	9021.10916
Valid N (listwise)	270275				

Descriptives

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	227629	24.00	7800000.00	843.8911	39532.29566
StandValue	271628	20000.00	49990.00	31239.3912	9021.10916
SumOfAv_Day_Demand	271628	.00	1257.14	.6149	2.68414
Valid N (listwise)	227629				

Frequencies

Statistics GeographicLocation		
N	**Valid**	271628
	Missing	0

GeographicLocation					
		Frequency	**Percent**	**Valid Percent**	**Cumulative Percent**
Valid	**Coasta**	59785	22.0	22.0	22.0
	Inland	211843	78.0	78.0	100.0
	Total	271628	100.0	100.0	

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables**	**Method**

		Removed	
1	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	Geographic Location	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	StandValue	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	AveIncome	.	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	AveMinTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	AveMaxTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
9	MAE	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	WaterborneSanitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	FormalHousing	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
12	Stand_Area	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
13	AveHousholdsize	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
14	MAP	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
15	house_waterconnection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
16	AveHouseSize	.	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	.170(a)	.029	.029	.39805
2	.202(b)	.041	.041	.39558
3	.224(c)	.050	.050	.39370
4	.236(d)	.056	.056	.39253
5	.240(e)	.058	.058	.39212
6	.248(f)	.062	.062	.39126
7	.251(g)	.063	.063	.39097
8	.260(h)	.067	.067	.39009
9	.265(i)	.070	.070	.38953
10	.266(j)	.071	.071	.38937
11	.269(k)	.073	.072	.38901

12	.270(l)	.073	.073	.38893
13	.270(m)	.073	.073	.38890
14	.270(n)	.073	.073	.38888
15	.271(o)	.073	.073	.38887
16	.271(p)	.073	.073	.38886

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

b Predictors: (Constant), Ln(Stand Value), LN(Stand Area)

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

d Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue

e Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome

f Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed

g Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific

h Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific

i Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE

j Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation

k Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing

l Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area

m Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area, AveHousholdsize

n Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area, AveHousholdsize, MAP

o Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area, AveHousholdsize, MAP, house_waterconnection

p Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area, AveHousholdsize, MAP, house_waterconnection, AveHouseSize

ANOVA(q)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	**Regression**	997.768	1	997.768	6297.350	.000(a)
	Residual	33550.513	211752	.158		
	Total	34548.281	211753			
2	**Regression**	1412.401	2	706.200	4512.892	.000(b)
	Residual	33135.880	211751	.156		
	Total	34548.281	211753			
3	**Regression**	1727.792	3	575.931	3715.768	.000(c)
	Residual	32820.489	211750	.155		

	Total	34548.281	211753			
4	**Regression**	1921.634	4	480.408	3117.881	.000(d)
	Residual	32626.647	211749	.154		
	Total	34548.281	211753			
5	**Regression**	1991.075	5	398.215	2589.940	.000(e)
	Residual	32557.206	211748	.154		
	Total	34548.281	211753			
6	**Regression**	2132.725	6	355.454	2321.921	.000(f)
	Residual	32415.555	211747	.153		
	Total	34548.281	211753			
7	**Regression**	2181.013	7	311.573	2038.306	.000(g)
	Residual	32367.267	211746	.153		
	Total	34548.281	211753			
8	**Regression**	2327.089	8	290.886	1911.589	.000(h)
	Residual	32221.192	211745	.152		
	Total	34548.281	211753			
9	**Regression**	2419.578	9	268.842	1771.802	.000(i)
	Residual	32128.702	211744	.152		
	Total	34548.281	211753			
10	**Regression**	2445.369	10	244.537	1612.906	.000(j)
	Residual	32102.912	211743	.152		
	Total	34548.281	211753			
11	**Regression**	2506.292	11	227.845	1505.659	.000(k)
	Residual	32041.988	211742	.151		
	Total	34548.281	211753			
12	**Regression**	2518.801	12	209.900	1387.611	.000(l)
	Residual	32029.480	211741	.151		
	Total	34548.281	211753			
13	**Regression**	2524.258	13	194.174	1283.859	.000(m)
	Residual	32024.023	211740	.151		
	Total	34548.281	211753			
14	**Regression**	2527.528	14	180.538	1193.816	.000(n)
	Residual	32020.752	211739	.151		
	Total	34548.281	211753			
15	**Regression**	2529.643	15	168.643	1115.229	.000(o)
	Residual	32018.638	211738	.151		
	Total	34548.281	211753			
16	**Regression**	2530.290	16	158.143	1045.810	.000(p)
	Residual	32017.991	211737	.151		
	Total	34548.281	211753			
a Predictors: (Constant), Ln(Stand Value)						
b Predictors: (Constant), Ln(Stand Value), LN(Stand Area)						

c Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location
d Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue
e Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome
f Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed
g Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific
h Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific
i Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE
j Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation
k Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing
l Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area
m Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area, AveHousholdsize
n Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area, AveHousholdsize, MAP
o Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area, AveHousholdsize, MAP, house_waterconnection
p Predictors: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area, AveHousholdsize, MAP, house_waterconnection, AveHouseSize
q Dependent Variable: LN(Water demand)

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	**(Constant)**	-2.7364323	.035		-78.663	.000
	Ln(Stand Value)	.2657778	.003	.170	79.356	.000
2	**(Constant)**	-3.2917911	.036		-90.894	.000
	Ln(Stand Value)	.2580821	.003	.165	77.460	.000
	LN(Stand Area)	.1116408	.002	.110	51.475	.000
3	**(Constant)**	-3.2964808	.036		-91.459	.000
	Ln(Stand Value)	.2728663	.003	.174	81.891	.000
	LN(Stand Area)	.1052261	.002	.103	48.644	.000
	Geographic Location	-.0900442	.002	-.096	-	.000

					45.109	
4	**(Constant)**	-12.0107601	.248		-48.372	.000
	Ln(Stand Value)	1.2033441	.026	.769	45.507	.000
	LN(Stand Area)	.1087828	.002	.107	50.383	.000
	Geographic Location	-.0918418	.002	-.098	-46.131	.000
	StandValue	-.0000289	.000	-.600	-35.469	.000
5	**(Constant)**	-11.7813613	.248		-47.453	.000
	Ln(Stand Value)	1.1805698	.026	.755	44.656	.000
	LN(Stand Area)	.1056963	.002	.104	48.895	.000
	Geographic Location	-.1027049	.002	-.110	-50.017	.000
	StandValue	-.0000284	.000	-.589	-34.852	.000
	AveIncome	.0000005	.000	.047	21.252	.000
6	**(Constant)**	-12.4360920	.249		-50.011	.000
	Ln(Stand Value)	1.2263943	.026	.784	46.415	.000
	LN(Stand Area)	.1148098	.002	.113	52.720	.000
	Geographic Location	-.0919029	.002	-.098	-44.195	.000
	StandValue	-.0000299	.000	-.620	-36.699	.000
	AveIncome	.0000013	.000	.134	37.101	.000
	unemployed	.2835525	.009	.112	30.419	.000
7	**(Constant)**	-10.7717352	.266		-40.565	.000
	Ln(Stand Value)	1.0402382	.028	.665	36.623	.000
	LN(Stand Area)	.1189614	.002	.117	54.355	.000
	Geographic Location	-.0955453	.002	-.102	-45.759	.000
	StandValue	-.0000245	.000	-.507	-28.151	.000
	AveIncome	.0000014	.000	.142	39.075	.000
	unemployed	.3309056	.010	.130	34.155	.000
	AveMinTempSpecific	.0046811	.000	.044	17.774	.000
8	**(Constant)**	-10.2915372	.265		-38.778	.000
	Ln(Stand Value)	1.0110334	.028	.646	35.655	.000
	LN(Stand Area)	.1046888	.002	.103	46.910	.000
	Geographic Location	-.1455403	.003	-.155	-55.230	.000
	StandValue	-.0000229	.000	-.475	-26.382	.000

	AveIncome	.0000012	.000	.124	33.894	.000
	unemployed	.2619794	.010	.103	26.412	.000
	AveMinTempSpecific	.0203299	.001	.190	35.707	.000
	AveMaxTempSpecific	-.0091857	.000	-.166	-30.983	.000
9	**(Constant)**	-10.2676930	.265		-38.744	.000
	Ln(Stand Value)	.9914902	.028	.634	35.003	.000
	LN(Stand Area)	.1078342	.002	.106	48.309	.000
	Geographic Location	-.1572639	.003	-.168	-58.815	.000
	StandValue	-.0000226	.000	-.469	-26.058	.000
	AveIncome	.0000011	.000	.107	28.698	.000
	unemployed	.2222840	.010	.088	22.152	.000
	AveMinTempSpecific	.0298599	.001	.279	43.453	.000
	AveMaxTempSpecific	-.0161850	.000	-.292	-39.485	.000
	MAE	.0001235	.000	.082	24.689	.000
10	**(Constant)**	-10.1456222	.265		-38.275	.000
	Ln(Stand Value)	.9722679	.028	.622	34.291	.000
	LN(Stand Area)	.1089840	.002	.107	48.806	.000
	Geographic Location	-.1540863	.003	-.165	-57.412	.000
	StandValue	-.0000220	.000	-.457	-25.398	.000
	AveIncome	.0000011	.000	.111	29.611	.000
	unemployed	.2569517	.010	.101	24.762	.000
	AveMinTempSpecific	.0289278	.001	.270	41.887	.000
	AveMaxTempSpecific	-.0154090	.000	-.278	-37.217	.000
	MAE	.0001123	.000	.074	22.134	.000
	WaterborneSanitation	.0563469	.004	.029	13.042	.000
11	**(Constant)**	-9.8222654	.265		-37.021	.000
	Ln(Stand Value)	.9405694	.028	.601	33.153	.000
	LN(Stand Area)	.1100051	.002	.108	49.297	.000
	Geographic Location	-.1457839	.003	-.156	-53.734	.000
	StandValue	-.0000211	.000	-.437	-24.277	.000
	AveIncome	.0000012	.000	.117	31.230	.000
	unemployed	.2359709	.010	.093	22.647	.000
	AveMinTempSpecific	.0302445	.001	.283	43.638	.000
	AveMaxTempSpecific	-.0162286	.000	-.293	-	.000

					39.044	
	MAE	.0001139	.000	.075	22.473	.000
	WaterborneSanitation	.1421023	.006	.074	23.395	.000
	FormalHousing	-.1405460	.007	-.068	-20.065	.000
12	**(Constant)**	-9.8373866	.265		-37.085	.000
	Ln(Stand Value)	.9395868	.028	.601	33.125	.000
	LN(Stand Area)	.1138096	.002	.112	50.138	.000
	Geographic Location	-.1449058	.003	-.155	-53.387	.000
	StandValue	-.0000211	.000	-.437	-24.276	.000
	AveIncome	.0000012	.000	.117	31.269	.000
	unemployed	.2378870	.010	.094	22.831	.000
	AveMinTempSpecific	.0302061	.001	.282	43.590	.000
	AveMaxTempSpecific	-.0161747	.000	-.292	-38.918	.000
	MAE	.0001142	.000	.076	22.540	.000
	WaterborneSanitation	.1426308	.006	.075	23.485	.000
	FormalHousing	-.1408117	.007	-.068	-20.107	.000
	Stand_Area	-.0000003	.000	-.019	-9.094	.000
13	**(Constant)**	-9.8623497	.265		-37.177	.000
	Ln(Stand Value)	.9375133	.028	.599	33.052	.000
	LN(Stand Area)	.1134378	.002	.111	49.960	.000
	Geographic Location	-.1474341	.003	-.157	-53.681	.000
	StandValue	-.0000210	.000	-.435	-24.145	.000
	AveIncome	.0000012	.000	.122	31.843	.000
	unemployed	.2300473	.011	.091	21.909	.000
	AveMinTempSpecific	.0301433	.001	.282	43.498	.000
	AveMaxTempSpecific	-.0162811	.000	-.294	-39.142	.000
	MAE	.0001210	.000	.080	23.309	.000
	WaterborneSanitation	.1493403	.006	.078	24.186	.000
	FormalHousing	-.1568588	.007	-.076	-20.929	.000
	Stand_Area	-.0000003	.000	-.019	-9.079	.000
	AveHousholdsize	.0127536	.002	.015	6.007	.000
14	**(Constant)**	-9.6692890	.268		-36.013	.000
	Ln(Stand Value)	.9121075	.029	.583	31.577	.000
	LN(Stand Area)	.1121952	.002	.110	49.076	.000

	Geographic Location	-.1420292	.003	-.152	-47.626	.000
	StandValue	-.0000202	.000	-.419	-22.890	.000
	AveIncome	.0000012	.000	.120	31.122	.000
	unemployed	.2216246	.011	.087	20.801	.000
	AveMinTempSpecific	.0307515	.001	.287	43.608	.000
	AveMaxTempSpecific	-.0164532	.000	-.297	-39.402	.000
	MAE	.0001251	.000	.083	23.759	.000
	WaterborneSanitation	.1475713	.006	.077	23.856	.000
	FormalHousing	-.1559744	.007	-.076	-20.805	.000
	Stand_Area	-.0000003	.000	-.019	-9.038	.000
	AveHousholdsize	.0157129	.002	.019	7.089	.000
	MAP	.0000468	.000	.014	4.650	.000
15	**(Constant)**	-9.7269734	.269		-36.169	.000
	Ln(Stand Value)	.9205608	.029	.589	31.774	.000
	LN(Stand Area)	.1123357	.002	.110	49.132	.000
	Geographic Location	-.1465495	.003	-.157	-45.544	.000
	StandValue	-.0000204	.000	-.424	-23.087	.000
	AveIncome	.0000012	.000	.120	31.202	.000
	unemployed	.2415788	.012	.095	20.274	.000
	AveMinTempSpecific	.0302248	.001	.282	42.032	.000
	AveMaxTempSpecific	-.0160721	.000	-.290	-37.392	.000
	MAE	.0001156	.000	.076	19.769	.000
	WaterborneSanitation	.1433391	.006	.075	22.794	.000
	FormalHousing	-.1628224	.008	-.079	-21.099	.000
	Stand_Area	-.0000003	.000	-.019	-8.987	.000
	AveHousholdsize	.0126869	.002	.015	5.377	.000
	MAP	.0000429	.000	.013	4.248	.000
	house_waterconnection	.0240792	.006	.016	3.740	.000
16	**(Constant)**	-9.7218621	.269		-36.149	.000
	Ln(Stand Value)	.9207207	.029	.589	31.780	.000
	LN(Stand Area)	.1129751	.002	.111	48.967	.000
	Geographic Location	-.1480069	.003	-.158	-44.932	.000
	StandValue	-.0000205	.000	-.424	-23.105	.000
	AveIncome	.0000013	.000	.126	26.425	.000

	unemployed	.2359060	.012	.093	19.293	.000
	AveMinTempSpecific	.0297174	.001	.278	39.114	.000
	AveMaxTempSpecific	-.0157700	.000	-.285	-34.739	.000
	MAE	.0001117	.000	.074	18.172	.000
	WaterborneSanitation	.1416527	.006	.074	22.339	.000
	FormalHousing	-.1570363	.008	-.076	-19.131	.000
	Stand_Area	-.0000003	.000	-.019	-9.052	.000
	AveHousholdsize	.0157038	.003	.019	5.661	.000
	MAP	.0000454	.000	.013	4.458	.000
	house_waterconnection	.0219542	.007	.015	3.367	.001
	AveHouseSize	-.0046262	.002	-.009	-2.068	.039
a Dependent Variable: LN(Water demand)						

Excluded Variables(p)						
Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**Stand_Area**	-.001(a)	-.439	.660	-.001	1.000
	StandValue	-.536(a)	-31.398	.000	-.068	.016
	MAP	.077(a)	35.874	.000	.078	.999
	AveMaxTempSpecific	.012(a)	5.364	.000	.012	.953
	AveMinTempSpecific	.024(a)	10.823	.000	.024	.963
	MAE	.016(a)	7.081	.000	.015	.951
	unemployed	.015(a)	7.166	.000	.016	.993
	FormalHousing	-.017(a)	-8.011	.000	-.017	.997
	AveHousholdsize	-.026(a)	-12.228	.000	-.027	.988
	AveHouseSize	.020(a)	9.147	.000	.020	.999
	AveIncome	.027(a)	12.570	.000	.027	.988
	house_waterconnection	-.030(a)	-14.204	.000	-.031	.997
	WaterborneSanitation	.031(a)	14.454	.000	.031	.997
	LN(Stand Area)	.110(a)	51.475	.000	.111	.998
	Geographic Location	-.103(a)	-48.143	.000	-.104	.991
2	**Stand_Area**	-.021(b)	-9.836	.000	-.021	.968
	StandValue	-.580(b)	-34.135	.000	-.074	.016
	MAP	.065(b)	30.152	.000	.065	.985
	AveMaxTempSpecific	.026(b)	11.677	.000	.025	.939
	AveMinTempSpecific	.033(b)	14.981	.000	.033	.957
	MAE	.034(b)	15.605	.000	.034	.927
	unemployed	.028(b)	12.893	.000	.028	.981
	FormalHousing	-.021(b)	-10.018	.000	-.022	.996
	AveHousholdsize	-.029(b)	-13.432	.000	-.029	.988

	AveHouseSize	.000(b)	-.017	.986	.000	.967
	AveIncome	.022(b)	10.210	.000	.022	.986
	house_waterconnection	-.032(b)	-14.887	.000	-.032	.997
	WaterborneSanitation	.030(b)	14.291	.000	.031	.997
	Geographic Location	-.096(b)	-45.109	.000	-.098	.987
3	**Stand_Area**	-.019(c)	-8.802	.000	-.019	.967
	StandValue	-.600(c)	-35.469	.000	-.077	.016
	MAP	.013(c)	5.126	.000	.011	.657
	AveMaxTempSpecific	.011(c)	5.162	.000	.011	.919
	AveMinTempSpecific	.052(c)	23.623	.000	.051	.926
	MAE	.008(c)	3.399	.001	.007	.857
	unemployed	-.001(c)	-.588	.556	-.001	.893
	FormalHousing	.006(c)	2.537	.011	.006	.919
	AveHousholdsize	-.006(c)	-2.752	.006	-.006	.931
	AveHouseSize	.001(c)	.374	.709	.001	.967
	AveIncome	.049(c)	22.245	.000	.048	.924
	house_waterconnection	.027(c)	10.668	.000	.023	.715
	WaterborneSanitation	.035(c)	16.496	.000	.036	.995
4	**Stand_Area**	-.019(d)	-9.067	.000	-.020	.967
	MAP	.009(d)	3.400	.001	.007	.655
	AveMaxTempSpecific	-.013(d)	-5.506	.000	-.012	.839
	AveMinTempSpecific	.028(d)	11.895	.000	.026	.810
	MAE	.002(d)	.711	.477	.002	.852
	unemployed	.003(d)	1.558	.119	.003	.890
	FormalHousing	.005(d)	2.132	.033	.005	.919
	AveHousholdsize	-.008(d)	-3.465	.001	-.008	.931
	AveHouseSize	.000(d)	-.166	.869	.000	.967
	AveIncome	.047(d)	21.252	.000	.046	.924
	house_waterconnection	.025(d)	9.838	.000	.021	.715
	WaterborneSanitation	.031(d)	14.575	.000	.032	.992
5	**Stand_Area**	-.019(e)	-8.736	.000	-.019	.967
	MAP	.009(e)	3.433	.001	.007	.655
	AveMaxTempSpecific	-.021(e)	-8.984	.000	-.020	.818
	AveMinTempSpecific	.021(e)	8.693	.000	.019	.791
	MAE	-.005(e)	-2.322	.020	-.005	.835
	unemployed	.112(e)	30.419	.000	.066	.328
	FormalHousing	-.013(e)	-5.506	.000	-.012	.811
	AveHousholdsize	.009(e)	3.929	.000	.009	.825
	AveHouseSize	-.059(e)	-20.120	.000	-.044	.516
	house_waterconnection	-.001(e)	-.455	.649	-.001	.549
	WaterborneSanitation	.022(e)	9.883	.000	.021	.938
6	**Stand_Area**	-.019(f)	-9.016	.000	-.020	.967

	MAP	-.008(f)	-2.956	.003	-.006	.627
	AveMaxTempSpecific	.004(f)	1.498	.134	.003	.723
	AveMinTempSpecific	.044(f)	17.774	.000	.039	.731
	MAE	.003(f)	1.090	.276	.002	.824
	FormalHousing	.002(f)	.936	.349	.002	.774
	AveHousholdsize	.005(f)	2.275	.023	.005	.822
	AveHouseSize	-.044(f)	-14.935	.000	-.032	.499
	house_waterconnection	.043(f)	13.592	.000	.030	.452
	WaterborneSanitation	.038(f)	17.162	.000	.037	.890
7	**Stand_Area**	-.020(g)	-9.461	.000	-.021	.966
	MAP	.007(g)	2.671	.008	.006	.567
	AveMaxTempSpecific	-.166(g)	-30.983	.000	-.067	.154
	MAE	-.009(g)	-3.615	.000	-.008	.769
	FormalHousing	.004(g)	1.673	.094	.004	.773
	AveHousholdsize	.003(g)	1.296	.195	.003	.820
	AveHouseSize	-.040(g)	-13.265	.000	-.029	.494
	house_waterconnection	.042(g)	13.312	.000	.029	.452
	WaterborneSanitation	.040(g)	18.081	.000	.039	.888
8	**Stand_Area**	-.018(h)	-8.650	.000	-.019	.966
	MAP	.009(h)	3.306	.001	.007	.567
	MAE	.082(h)	24.689	.000	.054	.401
	FormalHousing	-.004(h)	-1.778	.075	-.004	.764
	AveHousholdsize	-.011(h)	-4.568	.000	-.010	.791
	AveHouseSize	-.044(h)	-14.787	.000	-.032	.493
	house_waterconnection	.043(h)	13.661	.000	.030	.452
	WaterborneSanitation	.038(h)	17.017	.000	.037	.887
9	**Stand_Area**	-.019(i)	-8.875	.000	-.019	.966
	MAP	.016(i)	5.776	.000	.013	.561
	FormalHousing	-.012(i)	-5.065	.000	-.011	.750
	AveHousholdsize	.000(i)	-.069	.945	.000	.765
	AveHouseSize	-.018(i)	-5.541	.000	-.012	.417
	house_waterconnection	.016(i)	4.726	.000	.010	.388
	WaterborneSanitation	.029(i)	13.042	.000	.028	.862
10	**Stand_Area**	-.019(j)	-9.001	.000	-.020	.965
	MAP	.015(j)	5.463	.000	.012	.561
	FormalHousing	-.068(j)	-20.065	.000	-.044	.379
	AveHousholdsize	-.004(j)	-1.518	.129	-.003	.756
	AveHouseSize	-.025(j)	-7.591	.000	-.016	.408
	house_waterconnection	-.005(j)	-1.251	.211	-.003	.310
11	**Stand_Area**	-.019(k)	-9.094	.000	-.020	.965
	MAP	.008(k)	2.799	.005	.006	.551
	AveHousholdsize	.016(k)	6.030	.000	.013	.660

	AveHouseSize	.005(k)	1.435	.151	.003	.328
	house_waterconnection	.024(k)	6.064	.000	.013	.273
12	**MAP**	.008(l)	2.729	.006	.006	.551
	AveHousholdsize	.015(l)	6.007	.000	.013	.660
	AveHouseSize	.004(l)	1.173	.241	.003	.327
	house_waterconnection	.024(l)	5.936	.000	.013	.273
13	**MAP**	.014(m)	4.650	.000	.010	.505
	AveHouseSize	-.009(m)	-2.160	.031	-.005	.244
	house_waterconnection	.018(m)	4.191	.000	.009	.243
14	**AveHouseSize**	-.011(n)	-2.632	.008	-.006	.241
	house_waterconnection	.016(n)	3.740	.000	.008	.240
15	**AveHouseSize**	-.009(o)	-2.068	.039	-.004	.235

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

b Predictors in the Model: (Constant), Ln(Stand Value), LN(Stand Area)

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

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

e Predictors in the Model: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome

f Predictors in the Model: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed

g Predictors in the Model: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific

h Predictors in the Model: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific

i Predictors in the Model: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE

j Predictors in the Model: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation

k Predictors in the Model: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing

l Predictors in the Model: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area

m Predictors in the Model: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area, AveHousholdsize

n Predictors in the Model: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area, AveHousholdsize, MAP

o Predictors in the Model: (Constant), Ln(Stand Value), LN(Stand Area), Geographic Location, StandValue, AveIncome, unemployed, AveMinTempSpecific, AveMaxTempSpecific, MAE, WaterborneSanitation, FormalHousing, Stand_Area, AveHousholdsize, MAP, house_waterconnection

p Dependent Variable: LN(Water demand)

Single Variable Regression

Regression

Variables Entered/Removed(a)				
Geographic Location	**Model**	**Variables Entered**	**Variables Removed**	**Method**
Inland	**1**	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
Coastal	**1**	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: LN(Water demand)				

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.094(a)	.009	.009	.42286
Coastal	**1**	.168(a)	.028	.028	.31633
a Predictors: (Constant), LN(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	270.601	1	270.601	1513.351	.000(a)
		Residual	30679.498	171577	.179		
		Total	30950.099	171578			
Coastal	**1**	**Regression**	163.636	1	163.636	1635.328	.000(a)
		Residual	5608.343	56048	.100		
		Total	5771.980	56049			
a Predictors: (Constant), LN(Stand Area)							
b Dependent Variable: LN(Water demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-.598	.016		-37.013	.000
		LN(Stand Area)	.110	.003	.094	38.902	.000
Coastal	**1**	**(Constant)**	-.565	.013		-43.679	.000
		LN(Stand Area)	.092	.002	.168	40.439	.000
a Dependent Variable: LN(Water demand)							

Regression

Variables Entered/Removed(a)				
Geographic Location	**Model**	**Variables Entered**	**Variables Removed**	**Method**
Inland	**1**	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
Coastal	**1**	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: LN(Water demand)				

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.203(a)	.041	.041	.40229
Coastal	**1**	.116(a)	.013	.013	.32279
a Predictors: (Constant), Ln(Stand Value)					

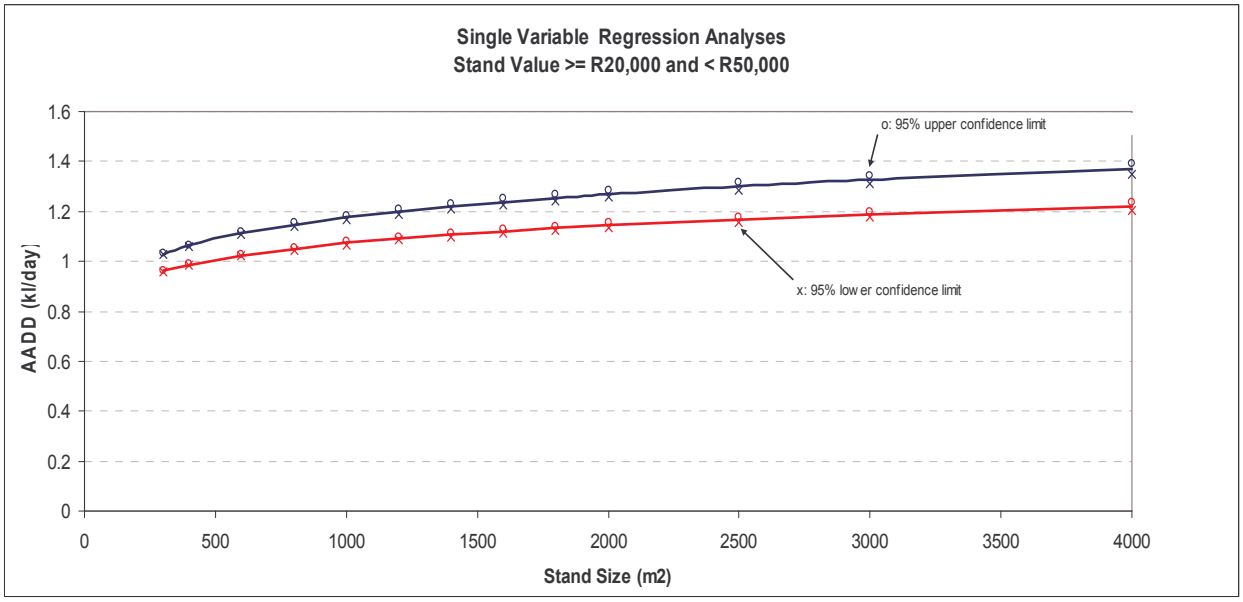
ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	1481.059	1	1481.059	9151.387	.000(a)
		Residual	34284.322	211841	.162		
		Total	35765.381	211842			
Coastal	**1**	**Regression**	84.935	1	84.935	815.176	.000(a)
		Residual	6228.929	59783	.104		
		Total	6313.864	59784			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: LN(Water demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-2.895	.030		-95.204	.000
		Ln(Stand Value)	.283	.003	.203	95.663	.000
Coastal	**1**	**(Constant)**	-1.645	.056		-29.241	.000
		Ln(Stand Value)	.154	.005	.116	28.551	.000
a Dependent Variable: LN(Water demand)							

Descriptives

Descriptive Statistics						
Geographic Location		**N**	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Inland	**LN(Water demand)**	211843	-.69	7.14	.0127	.41089
	LN(Stand Area)	171579	3.26	15.27	5.7107	.36143
	Ln(Stand Value)	211843	9.90	10.82	10.2761	.29551
	Valid N (listwise)	171579				
Coastal	**LN(Water demand)**	59785	-.69	4.47	-.0392	.32498
	LN(Stand Area)	56050	3.18	15.87	5.6778	.58954
	Ln(Stand Value)	59785	9.90	10.82	10.4183	.24452
	Valid N (listwise)	56050				

Graphs



User Category: RESVAL 100 000:

Stands Value >=R 50 000 and < R 100 000

Multi Variable Regression

Descriptives

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	217775	-928.00	99999999.00	1040.1519	216154.93993
SumOfAv_Day_Demand	217836	.00	891.71	.7646	3.30806
StandValue	217836	50000.00	99990.00	71031.9626	13832.99059
Valid N (listwise)	217775				

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	212594	25.00	99999999.00	1065.5014	218772.92656
SumOfAv_Day_Demand	217836	.00	891.71	.7646	3.30806
StandValue	217836	50000.00	99990.00	71031.9626	13832.99059
Valid N (listwise)	212594				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	LN(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	MAE	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	AveMinTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	AveMaxTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	AveIncome	.	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).
9	FormalHousing	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	AveHouseSize	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	Stand_Area	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
12	MAP	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
13	StandValue	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
14	house_waterconnection	.	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	.182(a)	.033	.033	.38616
2	.220(b)	.049	.049	.38306
3	.234(c)	.055	.055	.38181
4	.240(d)	.058	.058	.38125
5	.245(e)	.060	.060	.38080
6	.247(f)	.061	.061	.38058
7	.248(g)	.062	.062	.38043
8	.255(h)	.065	.065	.37974
9	.257(i)	.066	.066	.37952
10	.257(j)	.066	.066	.37949
11	.258(k)	.066	.066	.37946
12	.258(l)	.066	.066	.37946
13	.258(m)	.066	.066	.37945
14	.258(n)	.066	.066	.37945

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

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

c Predictors: (Constant), LN(Stand Area), Geographic Location, MAE

d Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific

e Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value)

f Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific

g Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome

h Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed

i Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing

j Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize
k Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize, Stand_Area
l Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize, Stand_Area, MAP
m Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize, Stand_Area, MAP, StandValue
n Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize, Stand_Area, MAP, StandValue, house_waterconnection

ANOVA(o)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1023.113	1	1023.113	6861.012	.000(a)
	Residual	29871.834	200321	.149		
	Total	30894.947	200322			
2	Regression	1500.977	2	750.488	5114.580	.000(b)
	Residual	29393.970	200320	.147		
	Total	30894.947	200322			
3	Regression	1692.232	3	564.077	3869.346	.000(c)
	Residual	29202.715	200319	.146		
	Total	30894.947	200322			
4	Regression	1778.869	4	444.717	3059.645	.000(d)
	Residual	29116.078	200318	.145		
	Total	30894.947	200322			
5	Regression	1847.701	5	369.540	2548.441	.000(e)
	Residual	29047.246	200317	.145		
	Total	30894.947	200322			
6	Regression	1880.775	6	313.463	2164.169	.000(f)
	Residual	29014.172	200316	.145		
	Total	30894.947	200322			
7	Regression	1903.296	7	271.899	1878.663	.000(g)
	Residual	28991.651	200315	.145		
	Total	30894.947	200322			
8	Regression	2008.964	8	251.120	1741.431	.000(h)
	Residual	28885.983	200314	.144		
	Total	30894.947	200322			
9	Regression	2042.910	9	226.990	1575.939	.000(i)
	Residual	28852.037	200313	.144		
	Total	30894.947	200322			
10	Regression	2047.559	10	204.756	1421.794	.000(j)
	Residual	28847.388	200312	.144		

	Total	30894.947	200322			
11	**Regression**	2051.452	11	186.496	1295.166	.000(k)
	Residual	28843.495	200311	.144		
	Total	30894.947	200322			
12	**Regression**	2052.734	12	171.061	1188.025	.000(l)
	Residual	28842.213	200310	.144		
	Total	30894.947	200322			
13	**Regression**	2053.627	13	157.971	1097.144	.000(m)
	Residual	28841.319	200309	.144		
	Total	30894.947	200322			
14	**Regression**	2054.186	14	146.728	1019.069	.000(n)
	Residual	28840.760	200308	.144		
	Total	30894.947	200322			

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

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

c Predictors: (Constant), LN(Stand Area), Geographic Location, MAE

d Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific

e Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value)

f Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific

g Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome

h Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed

i Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing

j Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize

k Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize, Stand_Area

l Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize, Stand_Area, MAP

m Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize, Stand_Area, MAP, StandValue

n Predictors: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize, Stand_Area, MAP, StandValue, house_waterconnection

o Dependent Variable: LN(Water Demand)

Coefficients(a)

Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
		B	**Std. Error**	**Beta**		

1	**(Constant)**	-.66126379	.009		-70.051	.000
	LN(Stand Area)	.13295929	.002	.182	82.831	.000
2	**(Constant)**	-.45299777	.010		-45.074	.000
	LN(Stand Area)	.12119925	.002	.166	75.486	.000
	Geographic Location	-.10587642	.002	-.125	-57.067	.000
3	**(Constant)**	-.80646358	.014		-57.667	.000
	LN(Stand Area)	.13027658	.002	.178	80.425	.000
	Geographic Location	-.07935640	.002	-.094	-39.899	.000
	MAE	.00013217	.000	.085	36.221	.000
4	**(Constant)**	-.91857763	.015		-62.489	.000
	LN(Stand Area)	.13615322	.002	.186	83.261	.000
	Geographic Location	-.08457709	.002	-.100	-42.342	.000
	MAE	.00014036	.000	.090	38.360	.000
	AveMinTempSpecific	.00680129	.000	.054	24.414	.000
5	**(Constant)**	-1.95767953	.050		-39.230	.000
	LN(Stand Area)	.12906083	.002	.177	77.493	.000
	Geographic Location	-.08549488	.002	-.101	-42.843	.000
	MAE	.00014207	.000	.091	38.863	.000
	AveMinTempSpecific	.00655624	.000	.052	23.543	.000
	Ln(Stand Value)	.09695244	.004	.048	21.787	.000
6	**(Constant)**	-1.90625232	.050		-38.133	.000
	LN(Stand Area)	.12667766	.002	.173	75.766	.000
	Geographic Location	-.11087056	.003	-.131	-42.524	.000
	MAE	.00017694	.000	.114	40.946	.000
	AveMinTempSpecific	.01555303	.001	.124	23.665	.000
	Ln(Stand Value)	.09439826	.004	.047	21.210	.000
	AveMaxTempSpecific	-.00607909	.000	-.084	-15.111	.000
7	**(Constant)**	-1.80667554	.051		-35.702	.000
	LN(Stand Area)	.12163205	.002	.166	70.734	.000
	Geographic Location	-.11656204	.003	-.138	-44.054	.000
	MAE	.00016870	.000	.109	38.604	.000
	AveMinTempSpecific	.01404333	.001	.112	21.022	.000
	Ln(Stand Value)	.08895814	.004	.044	19.900	.000

	AveMaxTempSpecific	-.00540902	.000	-.075	-13.332	.000
	AveIncome	.00000025	.000	.030	12.474	.000
8	**(Constant)**	-2.03650364	.051		-39.760	.000
	LN(Stand Area)	.12834019	.002	.176	74.004	.000
	Geographic Location	-.10945212	.003	-.130	-41.239	.000
	MAE	.00014496	.000	.093	32.579	.000
	AveMinTempSpecific	.01295663	.001	.104	19.396	.000
	Ln(Stand Value)	.09630960	.004	.048	21.544	.000
	AveMaxTempSpecific	-.00373230	.000	-.052	-9.110	.000
	AveIncome	.00000089	.000	.108	28.812	.000
	unemployed	.22249537	.008	.102	27.070	.000
9	**(Constant)**	-2.14909295	.052		-41.558	.000
	LN(Stand Area)	.12825517	.002	.176	73.998	.000
	Geographic Location	-.11822054	.003	-.140	-43.571	.000
	MAE	.00014186	.000	.091	31.870	.000
	AveMinTempSpecific	.01417714	.001	.113	21.086	.000
	Ln(Stand Value)	.10072487	.004	.050	22.498	.000
	AveMaxTempSpecific	-.00442410	.000	-.061	-10.740	.000
	AveIncome	.00000088	.000	.107	28.398	.000
	unemployed	.27225654	.009	.125	30.830	.000
	FormalHousing	.08600131	.006	.042	15.352	.000
10	**(Constant)**	-2.12356360	.052		-40.913	.000
	LN(Stand Area)	.12836476	.002	.176	74.062	.000
	Geographic Location	-.12061428	.003	-.143	-43.930	.000
	MAE	.00013658	.000	.088	30.035	.000
	AveMinTempSpecific	.01391144	.001	.111	20.643	.000
	Ln(Stand Value)	.10200425	.004	.051	22.757	.000
	AveMaxTempSpecific	-.00425815	.000	-.059	-10.312	.000
	AveIncome	.00000095	.000	.115	28.555	.000
	unemployed	.26125628	.009	.120	28.900	.000
	FormalHousing	.09579856	.006	.047	16.345	.000
	AveHouseSize	-.00950883	.002	-.020	-5.682	.000
11	**(Constant)**	-2.12667553	.052		-40.973	.000
	LN(Stand Area)	.12929693	.002	.177	74.209	.000
	Geographic Location	-.12029965	.003	-.142	-43.807	.000

	MAE	.00013670	.000	.088	30.064	.000
	AveMinTempSpecific	.01391531	.001	.111	20.650	.000
	Ln(Stand Value)	.10171154	.004	.051	22.691	.000
	AveMaxTempSpecific	-.00424248	.000	-.059	-10.275	.000
	AveIncome	.00000095	.000	.115	28.525	.000
	unemployed	.26155827	.009	.120	28.935	.000
	FormalHousing	.09583019	.006	.047	16.352	.000
	AveHouseSize	-.00953042	.002	-.020	-5.695	.000
	Stand_Area	-.00000026	.000	-.011	-5.200	.000
12	**(Constant)**	-2.16967093	.054		-40.279	.000
	LN(Stand Area)	.12887095	.002	.176	73.719	.000
	Geographic Location	-.11574500	.003	-.137	-36.840	.000
	MAE	.00013981	.000	.090	29.971	.000
	AveMinTempSpecific	.01442413	.001	.115	20.751	.000
	Ln(Stand Value)	.10260782	.004	.051	22.841	.000
	AveMaxTempSpecific	-.00430204	.000	-.060	-10.407	.000
	AveIncome	.00000093	.000	.113	27.757	.000
	unemployed	.26127945	.009	.120	28.903	.000
	FormalHousing	.09668113	.006	.047	16.478	.000
	AveHouseSize	-.00872354	.002	-.018	-5.146	.000
	Stand_Area	-.00000026	.000	-.011	-5.184	.000
	MAP	.00002675	.000	.009	2.984	.003
13	**(Constant)**	-3.36587771	.483		-6.966	.000
	LN(Stand Area)	.12924562	.002	.177	73.662	.000
	Geographic Location	-.11582686	.003	-.137	-36.865	.000
	MAE	.00014054	.000	.090	30.069	.000
	AveMinTempSpecific	.01456381	.001	.117	20.885	.000
	Ln(Stand Value)	.22018086	.047	.109	4.644	.000
	AveMaxTempSpecific	-.00437702	.000	-.061	-10.561	.000
	AveIncome	.00000093	.000	.113	27.721	.000
	unemployed	.26133816	.009	.120	28.910	.000
	FormalHousing	.09660989	.006	.047	16.465	.000
	AveHouseSize	-.00870754	.002	-.018	-5.137	.000
	Stand_Area	-.00000026	.000	-.011	-5.212	.000
	MAP	.00002784	.000	.010	3.102	.002
	StandValue	-.00000167	.000	-.059	-2.491	.013
14	**(Constant)**	-3.38707623	.483		-7.008	.000
	LN(Stand Area)	.12905284	.002	.177	73.439	.000

	Geographic Location	-.11668479	.003	-.138	-36.787	.000
	MAE	.00013771	.000	.089	28.165	.000
	AveMinTempSpecific	.01430756	.001	.114	20.170	.000
	Ln(Stand Value)	.22224428	.047	.111	4.687	.000
	AveMaxTempSpecific	-.00419246	.000	-.058	-9.867	.000
	AveIncome	.00000093	.000	.113	27.774	.000
	unemployed	.26999504	.010	.124	26.863	.000
	FormalHousing	.09113691	.006	.045	14.039	.000
	AveHouseSize	-.00913878	.002	-.019	-5.347	.000
	Stand_Area	-.00000026	.000	-.011	-5.195	.000
	MAP	.00003149	.000	.011	3.437	.001
	StandValue	-.00000169	.000	-.060	-2.521	.012
	house_waterconnection	.01236510	.006	.009	1.970	.049
a Dependent Variable: LN(Water Demand)						

Excluded Variables(o)						
Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**Stand_Area**	-.013(a)	-5.853	.000	-.013	.991
	StandValue	.043(a)	19.332	.000	.043	.959
	MAP	.050(a)	22.528	.000	.050	.962
	AveMaxTempSpecific	.086(a)	39.053	.000	.087	.977
	AveMinTempSpecific	.027(a)	12.004	.000	.027	.977
	MAE	.120(a)	54.537	.000	.121	.990
	unemployed	.041(a)	18.017	.000	.040	.950
	FormalHousing	-.009(a)	-3.862	.000	-.009	.993
	AveHousholdsize	-.027(a)	-12.298	.000	-.027	.989
	AveHouseSize	-.012(a)	-5.384	.000	-.012	.958
	AveIncome	.006(a)	2.611	.009	.006	.965
	house_waterconnection	-.037(a)	-16.623	.000	-.037	.988
	WaterborneSanitation	.008(a)	3.666	.000	.008	.993
	Ln(Stand Value)	.043(a)	19.414	.000	.043	.962
	Geographic Location	-.125(a)	-57.067	.000	-.126	.984
2	**Stand_Area**	-.011(b)	-4.956	.000	-.011	.990
	StandValue	.048(b)	21.597	.000	.048	.958
	MAP	-.035(b)	-12.852	.000	-.029	.638
	AveMaxTempSpecific	.051(b)	21.662	.000	.048	.871
	AveMinTempSpecific	.047(b)	20.910	.000	.047	.955
	MAE	.085(b)	36.221	.000	.081	.856
	unemployed	.002(b)	.741	.458	.002	.862
	FormalHousing	.031(b)	13.383	.000	.030	.908

	AveHousholdsize	-.017(b)	-7.960	.000	-.018	.982
	AveHouseSize	.007(b)	3.294	.001	.007	.936
	AveIncome	.053(b)	22.646	.000	.051	.861
	house_waterconnection	.031(b)	12.420	.000	.028	.756
	WaterborneSanitation	.012(b)	5.296	.000	.012	.992
	Ln(Stand Value)	.048(b)	21.730	.000	.048	.961
3	**Stand_Area**	-.012(c)	-5.338	.000	-.012	.990
	StandValue	.050(c)	22.524	.000	.050	.957
	MAP	-.021(c)	-7.708	.000	-.017	.624
	AveMaxTempSpecific	.036(c)	15.364	.000	.034	.842
	AveMinTempSpecific	.054(c)	24.414	.000	.054	.947
	unemployed	-.002(c)	-.712	.477	-.002	.860
	FormalHousing	.023(c)	10.149	.000	.023	.900
	AveHousholdsize	-.004(c)	-1.743	.081	-.004	.953
	AveHouseSize	.015(c)	6.690	.000	.015	.928
	AveIncome	.047(c)	19.934	.000	.044	.856
	house_waterconnection	.017(c)	6.786	.000	.015	.737
	WaterborneSanitation	.006(c)	2.725	.006	.006	.987
	Ln(Stand Value)	.050(c)	22.725	.000	.051	.960
4	**Stand_Area**	-.012(d)	-5.681	.000	-.013	.990
	StandValue	.048(d)	21.562	.000	.048	.956
	MAP	.011(d)	3.614	.000	.008	.499
	AveMaxTempSpecific	-.089(d)	-15.910	.000	-.036	.151
	unemployed	.012(d)	5.045	.000	.011	.815
	FormalHousing	.019(d)	8.067	.000	.018	.893
	AveHousholdsize	-.008(d)	-3.631	.000	-.008	.947
	AveHouseSize	.008(d)	3.539	.000	.008	.912
	AveIncome	.039(d)	16.486	.000	.037	.836
	house_waterconnection	.005(d)	2.100	.036	.005	.710
	WaterborneSanitation	.004(d)	1.804	.071	.004	.986
	Ln(Stand Value)	.048(d)	21.787	.000	.049	.959
5	**Stand_Area**	-.012(e)	-5.348	.000	-.012	.990
	StandValue	-.032(e)	-1.360	.174	-.003	.008
	MAP	.016(e)	5.130	.000	.011	.496
	AveMaxTempSpecific	-.084(e)	-15.111	.000	-.034	.151
	unemployed	.018(e)	7.584	.000	.017	.804
	FormalHousing	.018(e)	7.964	.000	.018	.893
	AveHousholdsize	-.007(e)	-3.034	.002	-.007	.947
	AveHouseSize	.003(e)	1.352	.176	.003	.903
	AveIncome	.034(e)	14.360	.000	.032	.828
	house_waterconnection	.003(e)	1.276	.202	.003	.709
	WaterborneSanitation	.006(e)	2.807	.005	.006	.984

6	**Stand_Area**	-.011(f)	-5.216	.000	-.012	.990
	StandValue	-.058(f)	-2.454	.014	-.005	.008
	MAP	.016(f)	5.234	.000	.012	.496
	unemployed	.018(f)	7.653	.000	.017	.804
	FormalHousing	.021(f)	9.315	.000	.021	.887
	AveHousholdsize	-.007(f)	-3.012	.003	-.007	.947
	AveHouseSize	.004(f)	1.584	.113	.004	.903
	AveIncome	.030(f)	12.474	.000	.028	.813
	house_waterconnection	-.001(f)	-.274	.784	-.001	.701
	WaterborneSanitation	.009(f)	4.139	.000	.009	.976
7	**Stand_Area**	-.011(g)	-4.964	.000	-.011	.989
	StandValue	-.051(g)	-2.179	.029	-.005	.008
	MAP	.014(g)	4.684	.000	.010	.495
	unemployed	.102(g)	27.070	.000	.060	.328
	FormalHousing	.011(g)	4.328	.000	.010	.719
	AveHousholdsize	.006(g)	2.453	.014	.005	.780
	AveHouseSize	-.030(g)	-9.594	.000	-.021	.478
	house_waterconnection	-.028(g)	-8.846	.000	-.020	.478
	WaterborneSanitation	-.001(g)	-.355	.722	-.001	.851
8	**Stand_Area**	-.011(h)	-5.177	.000	-.012	.989
	StandValue	-.056(h)	-2.394	.017	-.005	.008
	MAP	.007(h)	2.339	.019	.005	.492
	FormalHousing	.042(h)	15.352	.000	.034	.622
	AveHousholdsize	.002(h)	.686	.493	.002	.776
	AveHouseSize	-.003(h)	-.912	.362	-.002	.428
	house_waterconnection	.029(h)	7.636	.000	.017	.328
	WaterborneSanitation	.035(h)	13.230	.000	.030	.679
9	**Stand_Area**	-.011(i)	-5.185	.000	-.012	.989
	StandValue	-.053(i)	-2.259	.024	-.005	.008
	MAP	.012(i)	3.878	.000	.009	.487
	AveHousholdsize	-.007(i)	-2.852	.004	-.006	.737
	AveHouseSize	-.020(i)	-5.682	.000	-.013	.391
	house_waterconnection	.002(i)	.411	.681	.001	.254
	WaterborneSanitation	.013(i)	3.464	.001	.008	.345
10	**Stand_Area**	-.011(j)	-5.200	.000	-.012	.989
	StandValue	-.054(j)	-2.282	.022	-.005	.008
	MAP	.009(j)	3.010	.003	.007	.474
	AveHousholdsize	.001(j)	.322	.748	.001	.514
	house_waterconnection	.006(j)	1.330	.184	.003	.248
	WaterborneSanitation	.009(j)	2.322	.020	.005	.330
11	**StandValue**	-.055(k)	-2.342	.019	-.005	.008
	MAP	.009(k)	2.984	.003	.007	.474

	AveHousholdsize	.001(k)	.316	.752	.001	.514
	house_waterconnection	.006(k)	1.290	.197	.003	.248
	WaterborneSanitation	.009(k)	2.333	.020	.005	.330
12	**StandValue**	-.059(l)	-2.491	.013	-.006	.008
	AveHousholdsize	.003(l)	1.069	.285	.002	.484
	house_waterconnection	.009(l)	1.931	.053	.004	.238
	WaterborneSanitation	.008(l)	2.015	.044	.005	.326
13	**AveHousholdsize**	.003(m)	.992	.321	.002	.484
	house_waterconnection	.009(m)	1.970	.049	.004	.238
	WaterborneSanitation	.007(m)	1.898	.058	.004	.325
14	**AveHousholdsize**	.001(n)	.253	.800	.001	.412
	WaterborneSanitation	.006(n)	1.488	.137	.003	.308

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

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

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

d Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific

e Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value)

f Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific

g Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome

h Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed

i Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing

j Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize

k Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize, Stand_Area

l Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize, Stand_Area, MAP

m Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize, Stand_Area, MAP, StandValue

n Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, MAE, AveMinTempSpecific, Ln(Stand Value), AveMaxTempSpecific, AveIncome, unemployed, FormalHousing, AveHouseSize, Stand_Area, MAP, StandValue, house_waterconnection

o Dependent Variable: LN(Water Demand)

Single Variable Regression

Regression

Variables Entered/Removed(a)				
Geographic Location	**Model**	**Variables Entered**	**Variables Removed**	**Method**
Inland	**1**	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
Coastal	**1**	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: LN(Water Demand)				

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.138(a)	.019	.019	.41071
Coastal	**1**	.204(a)	.042	.042	.31816
a Predictors: (Constant), LN(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	478.386	1	478.386	2836.078	.000(a)
		Residual	24698.455	146423	.169		
		Total	25176.841	146424			
Coastal	**1**	**Regression**	291.473	1	291.473	2879.492	.000(a)
		Residual	6697.665	66167	.101		
		Total	6989.137	66168			
a Predictors: (Constant), LN(Stand Area)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-.527	.013		-41.078	.000
		LN(Stand Area)	.115	.002	.138	53.255	.000
Coastal	**1**	**(Constant)**	-.552	.011		-50.544	.000
		LN(Stand Area)	.101	.002	.204	53.661	.000
a Dependent Variable: LN(Water Demand)							

Regression

Variables Entered/Removed(a)				
Geographic Location	**Model**	**Variables Entered**	**Variables Removed**	**Method**
Inland	**1**	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
Coastal	**1**	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: LN(Water Demand)				

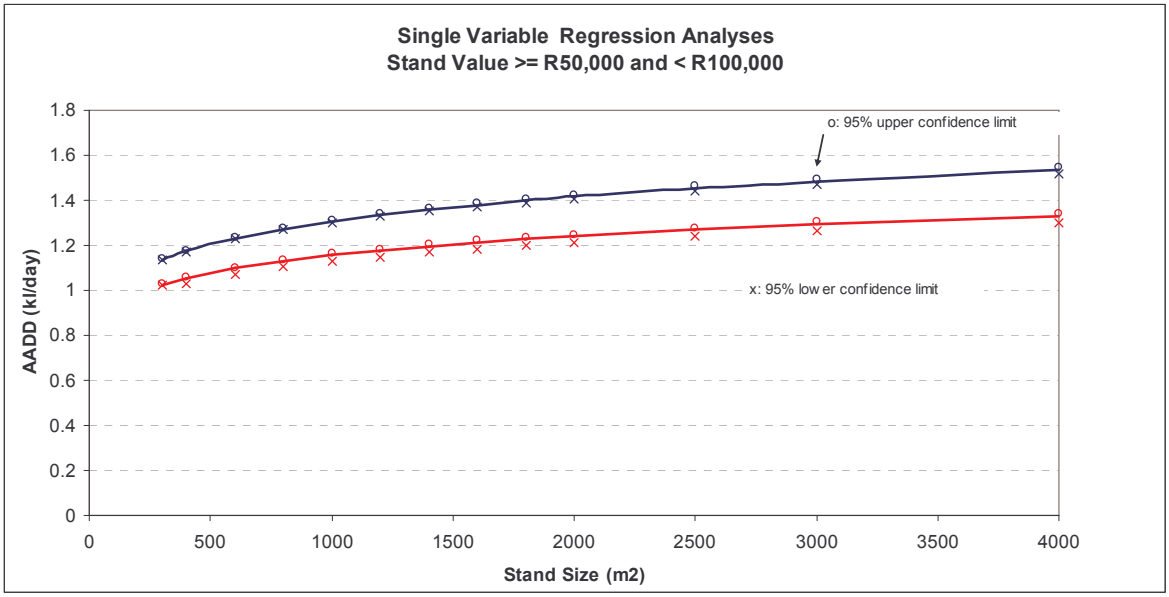
Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.085(a)	.007	.007	.41322
Coastal	**1**	.071(a)	.005	.005	.33358
a Predictors: (Constant), Ln(Stand Value)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	181.393	1	181.393	1062.345	.000(a)
		Residual	25194.117	147552	.171		
		Total	25375.510	147553			
Coastal	**1**	**Regression**	39.692	1	39.692	356.708	.000(a)
		Residual	7820.341	70280	.111		
		Total	7860.034	70281			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-1.830	.061		-30.068	.000
		Ln(Stand Value)	.178	.005	.085	32.594	.000
Coastal	**1**	**(Constant)**	-1.336	.073		-18.227	.000
		Ln(Stand Value)	.124	.007	.071	18.887	.000
a Dependent Variable: LN(Water Demand)							

Descriptive Statistics						
Geographic Location		**N**	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Inland	**LN(Water Demand)**	147554	-.69	6.79	.1534	.41470
	LN(Stand Area)	146425	3.22	13.54	5.9380	.49847
	Ln(Stand Value)	147554	10.82	11.51	11.1517	.19712
	Valid N (listwise)	146425				
Coastal	**LN(Water Demand)**	70282	-.69	5.26	.0482	.33442
	LN(Stand Area)	66169	3.81	18.42	5.7687	.65745
	Ln(Stand Value)	70282	10.82	11.51	11.1522	.19153
	Valid N (listwise)	66169				

Graphs



User Category: RESVAL 250 000:

Stands Value >=R 100 000 and < R 250 000

Multi Variable Regression

Descriptives

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	326077	.00	20022003.00	1122.8852	55883.44080
SumOfAv_Day_Demand	326090	.00	1581.79	1.0344	5.24267
StandValue	326090	100000.00	249990.00	169531.0078	42553.27778
Valid N (listwise)	326077				

Descriptives

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	324538	30.00	20022003.00	1128.2089	56015.73404
SumOfAv_Day_Demand	326090	.00	1581.79	1.0344	5.24267
StandValue	326090	100000.00	249990.00	169531.0078	42553.27778
Valid N (listwise)	324538				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	LN(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	AveIncome	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	AveHouseSize	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	StandValue	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	house_waterconnection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).

7	unemployed	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	MAP	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
9	AveMaxTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	AveMinTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	MAE	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
12	FormalHousing	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
13	WaterborneSanitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
14	AveHousholdsize	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
15	Stand_Area	.	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	.254(a)	.065	.065	.40051
2	.298(b)	.089	.089	.39530
3	.315(c)	.099	.099	.39304
4	.326(d)	.106	.106	.39148
5	.334(e)	.111	.111	.39036
6	.338(f)	.114	.114	.38972
7	.341(g)	.116	.116	.38933
8	.343(h)	.118	.118	.38896
9	.345(i)	.119	.119	.38869
10	.352(j)	.124	.124	.38757
11	.355(k)	.126	.126	.38719
12	.356(l)	.127	.127	.38699
13	.358(m)	.128	.128	.38667
14	.358(n)	.128	.128	.38661
15	.358(o)	.128	.128	.38661

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

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

c Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome

d Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize

e Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue

f Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection

g Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed

h Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP
i Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific
j Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific
k Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE
l Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE, FormalHousing
m Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE, FormalHousing, WaterborneSanitation
n Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE, FormalHousing, WaterborneSanitation, AveHousholdsize
o Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE, FormalHousing, WaterborneSanitation, AveHousholdsize, Stand_Area

ANOVA(p)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3307.345	1	3307.345	20618.346	.000(a)
	Residual	47914.156	298702	.160		
	Total	51221.501	298703			
2	Regression	4547.032	2	2273.516	14549.743	.000(b)
	Residual	46674.469	298701	.156		
	Total	51221.501	298703			
3	Regression	5078.109	3	1692.703	10957.374	.000(c)
	Residual	46143.392	298700	.154		
	Total	51221.501	298703			
4	Regression	5443.355	4	1360.839	8879.372	.000(d)
	Residual	45778.146	298699	.153		
	Total	51221.501	298703			
5	Regression	5705.421	5	1141.084	7488.333	.000(e)
	Residual	45516.080	298698	.152		
	Total	51221.501	298703			
6	Regression	5855.595	6	975.932	6425.709	.000(f)
	Residual	45365.906	298697	.152		
	Total	51221.501	298703			
7	Regression	5944.864	7	849.266	5602.723	.000(g)
	Residual	45276.636	298696	.152		
	Total	51221.501	298703			
8	Regression	6031.290	8	753.911	4983.149	.000(h)
	Residual	45190.211	298695	.151		

	Total	51221.501	298703			
9	**Regression**	6093.946	9	677.105	4481.679	.000(i)
	Residual	45127.555	298694	.151		
	Total	51221.501	298703			
10	**Regression**	6355.188	10	635.519	4230.903	.000(j)
	Residual	44866.313	298693	.150		
	Total	51221.501	298703			
11	**Regression**	6442.436	11	585.676	3906.663	.000(k)
	Residual	44779.065	298692	.150		
	Total	51221.501	298703			
12	**Regression**	6489.875	12	540.823	3611.291	.000(l)
	Residual	44731.626	298691	.150		
	Total	51221.501	298703			
13	**Regression**	6563.874	13	504.913	3377.085	.000(m)
	Residual	44657.627	298690	.150		
	Total	51221.501	298703			
14	**Regression**	6576.261	14	469.733	3142.643	.000(n)
	Residual	44645.240	298689	.149		
	Total	51221.501	298703			
15	**Regression**	6577.475	15	438.498	2933.745	.000(o)
	Residual	44644.026	298688	.149		
	Total	51221.501	298703			

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

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

c Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome

d Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize

e Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue

f Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection

g Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed

h Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP

i Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific

j Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific

k Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE

l Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE, FormalHousing

m Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE, FormalHousing, WaterborneSanitation

n Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE, FormalHousing, WaterborneSanitation, AveHousholdsize
o Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE, FormalHousing, WaterborneSanitation, AveHousholdsize, Stand_Area
p Dependent Variable: LN(Water Demand)

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.91003843	.009		-106.179	.000
	LN(Stand Area)	.18576060	.001	.254	143.591	.000
2	(Constant)	-.47393442	.010		-48.489	.000
	LN(Stand Area)	.15004083	.001	.205	112.110	.000
	Geographic Location	-.16534952	.002	-.163	-89.071	.000
3	(Constant)	-.45594185	.010		-46.893	.000
	LN(Stand Area)	.13224011	.001	.181	96.887	.000
	Geographic Location	-.15199300	.002	-.150	-81.725	.000
	AveIncome	.00000073	.000	.106	58.633	.000
4	(Constant)	-.28032460	.010		-27.134	.000
	LN(Stand Area)	.13727196	.001	.188	100.685	.000
	Geographic Location	-.14361424	.002	-.142	-77.197	.000
	AveIncome	.00000137	.000	.201	75.867	.000
	AveHouseSize	-.06713399	.001	-.127	-48.818	.000
5	(Constant)	-.28782830	.010		-27.936	.000
	LN(Stand Area)	.12227062	.001	.167	86.915	.000
	Geographic Location	-.15178028	.002	-.150	-81.364	.000
	AveIncome	.00000120	.000	.175	64.581	.000
	AveHouseSize	-.06596970	.001	-.125	-48.099	.000
	StandValue	.00000077	.000	.079	41.470	.000
6	(Constant)	-.30455457	.010		-29.569	.000
	LN(Stand Area)	.12972148	.001	.177	91.077	.000
	Geographic Location	-.16973042	.002	-.167	-87.135	.000
	AveIncome	.00000105	.000	.154	55.063	.000
	AveHouseSize	-.08878073	.002	-.168	-57.294	.000
	StandValue	.00000070	.000	.072	37.605	.000
	house_waterconnection	.17155164	.005	.083	31.445	.000
7	(Constant)	-.53391077	.014		-38.214	.000
	LN(Stand Area)	.13415532	.001	.184	93.515	.000
	Geographic Location	-.16876837	.002	-.166	-86.708	.000

	AveIncome	.00000126	.000	.184	60.219	.000
	AveHouseSize	-.07516854	.002	-.142	-45.653	.000
	StandValue	.00000074	.000	.076	39.471	.000
	house_waterconnection	.25398653	.006	.122	39.548	.000
	unemployed	.27419676	.011	.097	24.268	.000
8	**(Constant)**	-.43847766	.015		-30.202	.000
	LN(Stand Area)	.14053040	.001	.192	96.397	.000
	Geographic Location	-.18633320	.002	-.184	-89.636	.000
	AveIncome	.00000136	.000	.200	63.912	.000
	AveHouseSize	-.08026645	.002	-.152	-48.390	.000
	StandValue	.00000072	.000	.073	38.189	.000
	house_waterconnection	.24664434	.006	.119	38.398	.000
	unemployed	.28742097	.011	.102	25.432	.000
	MAP	-.00015243	.000	-.048	-23.901	.000
9	**(Constant)**	-.20528191	.018		-11.107	.000
	LN(Stand Area)	.13453044	.001	.184	90.513	.000
	Geographic Location	-.22219843	.003	-.219	-81.588	.000
	AveIncome	.00000134	.000	.196	62.794	.000
	AveHouseSize	-.08344575	.002	-.158	-50.120	.000
	StandValue	.00000076	.000	.078	40.329	.000
	house_waterconnection	.25123050	.006	.121	39.115	.000
	unemployed	.24815030	.011	.088	21.659	.000
	MAP	-.00022802	.000	-.072	-30.917	.000
	AveMaxTempSpecific	-.00388470	.000	-.049	-20.364	.000
10	**(Constant)**	-.14580652	.018		-7.888	.000
	LN(Stand Area)	.13931590	.001	.191	93.724	.000
	Geographic Location	-.27889481	.003	-.275	-91.837	.000
	AveIncome	.00000120	.000	.176	55.892	.000
	AveHouseSize	-.07122944	.002	-.135	-42.254	.000
	StandValue	.00000078	.000	.080	41.548	.000
	house_waterconnection	.20469656	.007	.098	31.488	.000
	unemployed	.26794934	.011	.095	23.435	.000
	MAP	-.00022738	.000	-.072	-30.920	.000
	AveMaxTempSpecific	-.01600867	.000	-.200	-46.080	.000
	AveMinTempSpecific	.02332942	.001	.162	41.704	.000
11	**(Constant)**	-.37212036	.021		-17.966	.000
	LN(Stand Area)	.14362091	.001	.196	96.023	.000
	Geographic Location	-.26198312	.003	-.258	-84.135	.000
	AveIncome	.00000103	.000	.151	45.655	.000
	AveHouseSize	-.05902430	.002	-.112	-33.566	.000
	StandValue	.00000076	.000	.077	40.034	.000
	house_waterconnection	.16144125	.007	.078	23.962	.000

	unemployed	.21915946	.012	.078	18.892	.000
	MAP	-.00019684	.000	-.063	-26.403	.000
	AveMaxTempSpecific	-.01855357	.000	-.232	-51.147	.000
	AveMinTempSpecific	.02867830	.001	.199	47.698	.000
	MAE	.00008354	.000	.053	24.124	.000
12	**(Constant)**	-.40881583	.021		-19.651	.000
	LN(Stand Area)	.14453102	.001	.198	96.626	.000
	Geographic Location	-.25848892	.003	-.255	-82.892	.000
	AveIncome	.00000111	.000	.162	48.177	.000
	AveHouseSize	-.07117323	.002	-.135	-37.749	.000
	StandValue	.00000079	.000	.080	41.448	.000
	house_waterconnection	.08049162	.008	.039	9.905	.000
	unemployed	.22729648	.012	.080	19.589	.000
	MAP	-.00020892	.000	-.066	-27.923	.000
	AveMaxTempSpecific	-.01888551	.000	-.236	-52.020	.000
	AveMinTempSpecific	.02879326	.001	.200	47.912	.000
	MAE	.00008386	.000	.053	24.229	.000
	FormalHousing	.15252563	.009	.060	17.798	.000
13	**(Constant)**	-.43280910	.021		-20.793	.000
	LN(Stand Area)	.14363627	.001	.196	96.073	.000
	Geographic Location	-.25382547	.003	-.250	-81.280	.000
	AveIncome	.00000109	.000	.159	47.200	.000
	AveHouseSize	-.07104002	.002	-.134	-37.709	.000
	StandValue	.00000079	.000	.081	41.928	.000
	house_waterconnection	.12015966	.008	.058	14.455	.000
	unemployed	.23393860	.012	.083	20.171	.000
	MAP	-.00017458	.000	-.056	-22.870	.000
	AveMaxTempSpecific	-.01790411	.000	-.224	-48.997	.000
	AveMinTempSpecific	.02779142	.001	.193	46.154	.000
	MAE	.00008893	.000	.056	25.659	.000
	FormalHousing	.29650819	.011	.116	27.625	.000
	WaterborneSanitation	-.19599934	.009	-.079	-22.247	.000
14	**(Constant)**	-.40000822	.021		-18.938	.000
	LN(Stand Area)	.14274238	.001	.195	95.283	.000
	Geographic Location	-.25367587	.003	-.250	-81.242	.000
	AveIncome	.00000100	.000	.147	40.489	.000
	AveHouseSize	-.06191763	.002	-.117	-29.020	.000
	StandValue	.00000079	.000	.081	41.726	.000
	house_waterconnection	.12416514	.008	.060	14.918	.000
	unemployed	.28600921	.013	.101	22.120	.000
	MAP	-.00018097	.000	-.058	-23.611	.000
	AveMaxTempSpecific	-.01840164	.000	-.230	-49.811	.000

	AveMinTempSpecific	.02919981	.001	.203	46.973	.000
	MAE	.00008754	.000	.055	25.236	.000
	FormalHousing	.29167001	.011	.114	27.145	.000
	WaterborneSanitation	-.19275619	.009	-.078	-21.864	.000
	AveHousholdsize	-.02095744	.002	-.024	-9.103	.000
15	**(Constant)**	-.40274851	.021		-19.049	.000
	LN(Stand Area)	.14312306	.002	.196	95.160	.000
	Geographic Location	-.25355433	.003	-.250	-81.197	.000
	AveIncome	.00000100	.000	.147	40.492	.000
	AveHouseSize	-.06194805	.002	-.117	-29.034	.000
	StandValue	.00000079	.000	.081	41.672	.000
	house_waterconnection	.12416641	.008	.060	14.918	.000
	unemployed	.28626038	.013	.101	22.139	.000
	MAP	-.00018114	.000	-.058	-23.632	.000
	AveMaxTempSpecific	-.01840330	.000	-.230	-49.816	.000
	AveMinTempSpecific	.02921564	.001	.203	46.997	.000
	MAE	.00008761	.000	.055	25.256	.000
	FormalHousing	.29178525	.011	.114	27.155	.000
	WaterborneSanitation	-.19272101	.009	-.078	-21.861	.000
	AveHousholdsize	-.02092907	.002	-.024	-9.091	.000
	Stand_Area	-.00000008	.000	-.005	-2.850	.004

a Dependent Variable: LN(Water Demand)

Excluded Variables(p)

Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**Stand_Area**	-.009(a)	-5.081	.000	-.009	.994
	StandValue	.096(a)	51.657	.000	.094	.905
	MAP	.042(a)	22.657	.000	.041	.918
	AveMaxTempSpecific	.078(a)	43.943	.000	.080	.998
	AveMinTempSpecific	.074(a)	41.476	.000	.076	.969
	MAE	.124(a)	70.463	.000	.128	1.000
	unemployed	-.050(a)	-27.269	.000	-.050	.948
	FormalHousing	.049(a)	27.421	.000	.050	.995
	AveHousholdsize	-.098(a)	-53.521	.000	-.097	.916
	AveHouseSize	.021(a)	11.720	.000	.021	.946
	AveIncome	.125(a)	68.403	.000	.124	.929
	house_waterconnection	.052(a)	29.231	.000	.053	.999
	WaterborneSanitation	.031(a)	17.453	.000	.032	.997
	Ln(Stand Value)	.096(a)	51.821	.000	.094	.898
	Geographic Location	-.163(a)	-89.071	.000	-.161	.910

2	**Stand_Area**	-.005(b)	-3.130	.002	-.006	.993
	StandValue	.106(b)	58.108	.000	.106	.901
	MAP	-.030(b)	-14.790	.000	-.027	.765
	AveMaxTempSpecific	.006(b)	3.141	.002	.006	.780
	AveMinTempSpecific	.060(b)	33.632	.000	.061	.961
	MAE	.069(b)	35.888	.000	.066	.813
	unemployed	-.055(b)	-30.888	.000	-.056	.946
	FormalHousing	.050(b)	28.573	.000	.052	.995
	AveHousholdsize	-.073(b)	-39.406	.000	-.072	.890
	AveHouseSize	.017(b)	9.533	.000	.017	.946
	AveIncome	.106(b)	58.633	.000	.107	.915
	house_waterconnection	.080(b)	45.116	.000	.082	.972
	WaterborneSanitation	.026(b)	15.059	.000	.028	.996
	Ln(Stand Value)	.106(b)	57.743	.000	.105	.895
3	**Stand_Area**	-.004(c)	-2.144	.032	-.004	.993
	StandValue	.081(c)	42.300	.000	.077	.817
	MAP	-.033(c)	-16.718	.000	-.031	.764
	AveMaxTempSpecific	-.008(c)	-4.057	.000	-.007	.769
	AveMinTempSpecific	.037(c)	20.231	.000	.037	.905
	MAE	.063(c)	32.622	.000	.060	.810
	unemployed	.070(c)	24.414	.000	.045	.362
	FormalHousing	-.008(c)	-3.874	.000	-.007	.700
	AveHousholdsize	-.025(c)	-11.651	.000	-.021	.665
	AveHouseSize	-.127(c)	-48.818	.000	-.089	.441
	house_waterconnection	.021(c)	9.104	.000	.017	.556
	WaterborneSanitation	-.031(c)	-15.485	.000	-.028	.758
	Ln(Stand Value)	.081(c)	41.968	.000	.077	.811
4	**Stand_Area**	-.004(d)	-2.372	.018	-.004	.993
	StandValue	.079(d)	41.470	.000	.076	.816
	MAP	-.056(d)	-27.918	.000	-.051	.729
	AveMaxTempSpecific	.005(d)	2.359	.018	.004	.755
	AveMinTempSpecific	.044(d)	24.237	.000	.044	.899
	MAE	.043(d)	22.012	.000	.040	.767
	unemployed	-.005(d)	-1.470	.142	-.003	.261
	FormalHousing	.079(d)	30.794	.000	.056	.457
	AveHousholdsize	.011(d)	4.907	.000	.009	.591
	house_waterconnection	.094(d)	35.972	.000	.066	.437
	WaterborneSanitation	.018(d)	8.007	.000	.015	.595
	Ln(Stand Value)	.079(d)	41.124	.000	.075	.811
5	**Stand_Area**	-.003(e)	-1.741	.082	-.003	.993
	MAP	-.051(e)	-25.260	.000	-.046	.726
	AveMaxTempSpecific	-.008(e)	-4.198	.000	-.008	.737

	AveMinTempSpecific	.035(e)	18.823	.000	.034	.882
	MAE	.038(e)	19.303	.000	.035	.763
	unemployed	.013(e)	3.937	.000	.007	.257
	FormalHousing	.077(e)	30.161	.000	.055	.457
	AveHousholdsize	.016(e)	7.000	.000	.013	.589
	house_waterconnection	.083(e)	31.445	.000	.057	.431
	WaterborneSanitation	.013(e)	5.931	.000	.011	.594
	Ln(Stand Value)	.001(e)	.085	.932	.000	.014
6	**Stand_Area**	-.003(f)	-1.947	.052	-.004	.993
	MAP	-.046(f)	-22.659	.000	-.041	.720
	AveMaxTempSpecific	-.019(f)	-9.583	.000	-.018	.716
	AveMinTempSpecific	.021(f)	11.303	.000	.021	.827
	MAE	.031(f)	15.675	.000	.029	.752
	unemployed	.097(f)	24.268	.000	.044	.185
	FormalHousing	.043(f)	12.717	.000	.023	.262
	AveHousholdsize	.026(f)	11.310	.000	.021	.579
	WaterborneSanitation	-.045(f)	-16.007	.000	-.029	.382
	Ln(Stand Value)	-.033(f)	-2.222	.026	-.004	.014
7	**Stand_Area**	-.004(g)	-2.138	.033	-.004	.993
	MAP	-.048(g)	-23.901	.000	-.044	.718
	AveMaxTempSpecific	-.011(g)	-5.549	.000	-.010	.696
	AveMinTempSpecific	.030(g)	15.627	.000	.029	.803
	MAE	.023(g)	11.551	.000	.021	.728
	FormalHousing	.047(g)	14.004	.000	.026	.261
	AveHousholdsize	.005(g)	1.873	.061	.003	.488
	WaterborneSanitation	-.044(g)	-15.906	.000	-.029	.382
	Ln(Stand Value)	.005(g)	.317	.751	.001	.014
8	**Stand_Area**	-.004(h)	-2.560	.010	-.005	.992
	AveMaxTempSpecific	-.049(h)	-20.364	.000	-.037	.519
	AveMinTempSpecific	.012(h)	5.722	.000	.010	.648
	MAE	.016(h)	7.958	.000	.015	.711
	FormalHousing	.052(h)	15.499	.000	.028	.260
	AveHousholdsize	-.005(h)	-2.142	.032	-.004	.475
	WaterborneSanitation	-.034(h)	-12.099	.000	-.022	.371
	Ln(Stand Value)	.015(h)	.999	.318	.002	.014
9	**Stand_Area**	-.004(i)	-2.297	.022	-.004	.992
	AveMinTempSpecific	.162(i)	41.704	.000	.076	.194
	MAE	.014(i)	7.003	.000	.013	.709
	FormalHousing	.058(i)	17.207	.000	.031	.259
	AveHousholdsize	.001(i)	.563	.573	.001	.466
	WaterborneSanitation	-.027(i)	-9.516	.000	-.017	.365
	Ln(Stand Value)	.011(i)	.721	.471	.001	.014

10	**Stand_Area**	-.005(j)	-2.639	.008	-.005	.992
	MAE	.053(j)	24.124	.000	.044	.613
	FormalHousing	.059(j)	17.655	.000	.032	.259
	AveHousholdsize	-.030(j)	-11.515	.000	-.021	.430
	WaterborneSanitation	-.016(j)	-5.793	.000	-.011	.362
	Ln(Stand Value)	.004(j)	.241	.809	.000	.014
11	**Stand_Area**	-.005(k)	-2.820	.005	-.005	.992
	FormalHousing	.060(k)	17.798	.000	.033	.259
	AveHousholdsize	-.028(k)	-10.537	.000	-.019	.429
	WaterborneSanitation	-.020(k)	-6.999	.000	-.013	.361
	Ln(Stand Value)	-.009(k)	-.603	.547	-.001	.014
12	**Stand_Area**	-.005(l)	-2.922	.003	-.005	.992
	AveHousholdsize	-.026(l)	-9.987	.000	-.018	.429
	WaterborneSanitation	-.079(l)	-22.247	.000	-.041	.230
	Ln(Stand Value)	-.005(l)	-.345	.730	-.001	.014
13	**Stand_Area**	-.005(m)	-2.889	.004	-.005	.992
	AveHousholdsize	-.024(m)	-9.103	.000	-.017	.428
	Ln(Stand Value)	-.003(m)	-.222	.824	.000	.014
14	**Stand_Area**	-.005(n)	-2.850	.004	-.005	.992
	Ln(Stand Value)	-.003(n)	-.236	.813	.000	.014
15	**Ln(Stand Value)**	-.004(o)	-.260	.795	.000	.014

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

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

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

d Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize

e Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue

f Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection

g Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed

h Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP

i Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific

j Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific

k Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE

l Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE, FormalHousing

m Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE, FormalHousing, WaterborneSanitation

n Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE, FormalHousing, WaterborneSanitation, AveHousholdsize
o Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, StandValue, house_waterconnection, unemployed, MAP, AveMaxTempSpecific, AveMinTempSpecific, MAE, FormalHousing, WaterborneSanitation, AveHousholdsize, Stand_Area
p Dependent Variable: LN(Water Demand)

Single Variable Regression

Variables Entered/Removed(b)

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

Model Summary

Geographic Location	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Inland	**1**	.185(a)	.034	.034	.41297
Coastal	**1**	.250(a)	.063	.063	.33407
a Predictors: (Constant), LN(Stand Area)					

ANOVA(b)

Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	1534.965	1	1534.965	9000.193	.000(a)
		Residual	43104.311	252740	.171		
		Total	44639.277	252741			
Coastal	**1**	**Regression**	535.062	1	535.062	4794.412	.000(a)
		Residual	8012.288	71794	.112		
		Total	8547.349	71795			
a Predictors: (Constant), LN(Stand Area)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)

Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
			B	Std. Error	Beta		
Inland	**1**	**(Constant)**	-.632	.010		-60.301	.000
		LN(Stand Area)	.148	.002	.185	94.869	.000
Coastal	**1**	**(Constant)**	-.767	.013		-59.136	.000

		LN(Stand Area)	.142	.002	.250	69.242	.000
a Dependent Variable: LN(Water Demand)							

Regression

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

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.188(a)	.035	.035	.41318
Coastal	**1**	.047(a)	.002	.002	.34886
a Predictors: (Constant), Ln(Stand Value)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	1579.650	1	1579.650	9253.119	.000(a)
		Residual	43266.623	253443	.171		
		Total	44846.273	253444			
Coastal	**1**	**Regression**	19.269	1	19.269	158.325	.000(a)
		Residual	8840.941	72643	.122		
		Total	8860.209	72644			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-3.359	.039		-86.876	.000
		Ln(Stand Value)	.310	.003	.188	96.193	.000
Coastal	**1**	**(Constant)**	-.583	.057		-10.287	.000
		Ln(Stand Value)	.059	.005	.047	12.583	.000

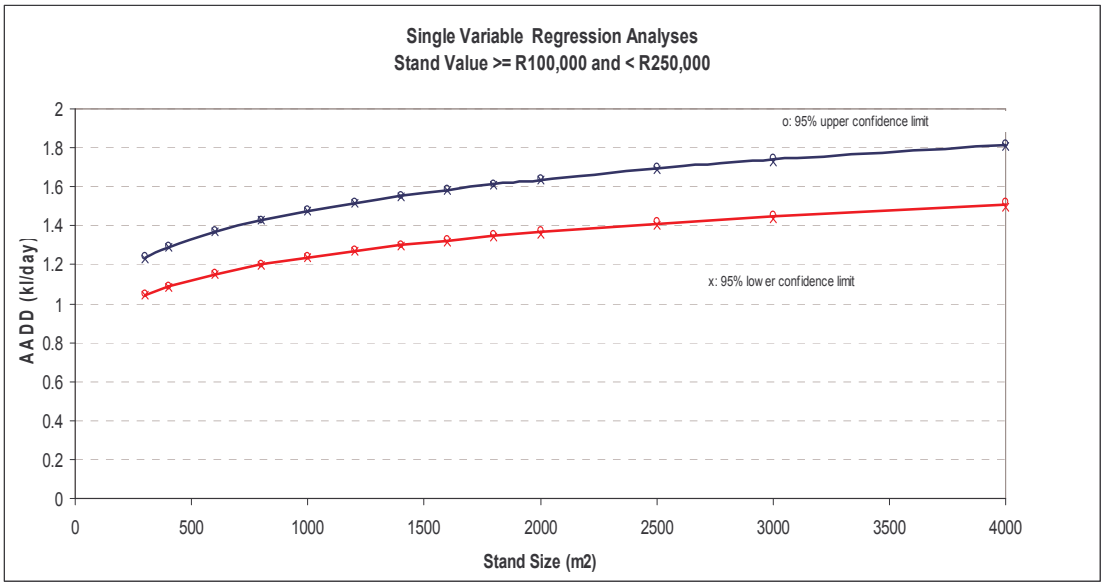
a Dependent Variable: LN(Water Demand)

Descriptives

Descriptive Statistics

Geographic Location		N	Minimum	Maximum	Mean	Std. Deviation
Inland	LN(Water Demand)	253445	-.69	7.37	.3594	.42065
	LN(Stand Area)	252742	3.40	16.13	6.6978	.52617
	Ln(Stand Value)	253445	11.51	12.43	12.0105	.25501
	Valid N (listwise)	252742				
Coastal	LN(Water Demand)	72645	-.69	5.46	.1300	.34924
	LN(Stand Area)	71796	3.58	16.81	6.3013	.60877
	Ln(Stand Value)	72645	11.51	12.43	11.9991	.27410
	Valid N (listwise)	71796				

Graphs



User Category: RESVAL 500 000:

Stands Value >=R 250 000 and < R 500 000

Multi Variable Regression

Descriptives

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	244179	.00	525080000.00	4315.7143	1125701.89900
SumOfAv_Day_Demand	244179	.00	1208.22	1.3973	4.46371
StandValue	244179	250000.00	499900.00	343716.0715	68339.83758
Valid N (listwise)	244179				

Descriptives

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	243783	23.00	525080000.00	4322.7239	1126615.81084
SumOfAv_Day_Demand	244179	.00	1208.22	1.3973	4.46371
StandValue	244179	250000.00	499900.00	343716.0715	68339.83758
Valid N (listwise)	243783				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	AveIncome	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	AveHouseSize	.	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	StandValue	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	MAP	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).

7	house_waterconnection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	AveHousholdsize	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
9	AveMaxTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	AveMinTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	MAE	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
12	Stand_Area	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
13	WaterborneSanitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
14	unemployed	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
15	FormalHousing	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
16	Ln(Stand Value)	.	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	.327(a)	.107	.107	.42318
2	.366(b)	.134	.134	.41665
3	.389(c)	.152	.152	.41244
4	.401(d)	.161	.161	.41013
5	.412(e)	.170	.170	.40796
6	.422(f)	.178	.178	.40599
7	.425(g)	.181	.181	.40528
8	.427(h)	.182	.182	.40496
9	.429(i)	.184	.184	.40459
10	.430(j)	.185	.185	.40419
11	.433(k)	.187	.187	.40373
12	.433(l)	.188	.188	.40363
13	.434(m)	.188	.188	.40352
14	.434(n)	.188	.188	.40349
15	.434(o)	.188	.188	.40345
16	.434(p)	.188	.188	.40345

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

b Predictors: (Constant), LN(Stand Area), AveIncome

c Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize

d Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location

e Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue

f Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP
g Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection
h Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize
i Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific
j Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific
k Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE
l Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area
m Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area, WaterborneSanitation
n Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area, WaterborneSanitation, unemployed
o Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area, WaterborneSanitation, unemployed, FormalHousing
p Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area, WaterborneSanitation, unemployed, FormalHousing, Ln(Stand Value)

ANOVA(q)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	**Regression**	4878.908	1	4878.908	27244.102	.000(a)
	Residual	40757.820	227594	.179		
	Total	45636.729	227595			
2	**Regression**	6127.892	2	3063.946	17650.044	.000(b)
	Residual	39508.836	227593	.174		
	Total	45636.729	227595			
3	**Regression**	6921.456	3	2307.152	13562.848	.000(c)
	Residual	38715.272	227592	.170		
	Total	45636.729	227595			
4	**Regression**	7354.047	4	1838.512	10929.975	.000(d)
	Residual	38282.681	227591	.168		
	Total	45636.729	227595			
5	**Regression**	7759.320	5	1551.864	9324.522	.000(e)
	Residual	37877.408	227590	.166		
	Total	45636.729	227595			
6	**Regression**	8124.033	6	1354.006	8214.733	.000(f)
	Residual	37512.695	227589	.165		
	Total	45636.729	227595			

7	**Regression**	8254.848	7	1179.264	7179.584	.000(g)
	Residual	37381.880	227588	.164		
	Total	45636.729	227595			
8	**Regression**	8313.681	8	1039.210	6336.854	.000(h)
	Residual	37323.047	227587	.164		
	Total	45636.729	227595			
9	**Regression**	8381.755	9	931.306	5689.233	.000(i)
	Residual	37254.973	227586	.164		
	Total	45636.729	227595			
10	**Regression**	8456.978	10	845.698	5176.693	.000(j)
	Residual	37179.750	227585	.163		
	Total	45636.729	227595			
11	**Regression**	8540.685	11	776.426	4763.368	.000(k)
	Residual	37096.044	227584	.163		
	Total	45636.729	227595			
12	**Regression**	8560.114	12	713.343	4378.628	.000(l)
	Residual	37076.614	227583	.163		
	Total	45636.729	227595			
13	**Regression**	8579.022	13	659.925	4052.787	.000(m)
	Residual	37057.707	227582	.163		
	Total	45636.729	227595			
14	**Regression**	8586.181	14	613.299	3767.154	.000(n)
	Residual	37050.548	227581	.163		
	Total	45636.729	227595			
15	**Regression**	8592.737	15	572.849	3519.302	.000(o)
	Residual	37043.992	227580	.163		
	Total	45636.729	227595			
16	**Regression**	8594.132	16	537.133	3299.991	.000(p)
	Residual	37042.597	227579	.163		
	Total	45636.729	227595			

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

b Predictors: (Constant), LN(Stand Area), AveIncome

c Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize

d Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location

e Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue

f Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP

g Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection

h Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize

i Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific

j Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific
k Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE
l Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area
m Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area, WaterborneSanitation
n Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area, WaterborneSanitation, unemployed
o Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area, WaterborneSanitation, unemployed, FormalHousing
p Predictors: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area, WaterborneSanitation, unemployed, FormalHousing, Ln(Stand Value)
q Dependent Variable: LN(Water Demand)

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-1.45517897	.012		-120.447	.000
	LN(Stand Area)	.28564962	.002	.327	165.058	.000
2	(Constant)	-1.42786489	.012		-119.996	.000
	LN(Stand Area)	.25522317	.002	.292	146.576	.000
	AveIncome	.00000109	.000	.169	84.822	.000
3	(Constant)	-.99708912	.013		-74.624	.000
	LN(Stand Area)	.25277099	.002	.289	146.616	.000
	AveIncome	.00000197	.000	.305	108.837	.000
	AveHouseSize	-.11687678	.002	-.189	-68.301	.000
4	(Constant)	-.64407923	.015		-42.940	.000
	LN(Stand Area)	.22371221	.002	.256	123.762	.000
	AveIncome	.00000166	.000	.257	87.257	.000
	AveHouseSize	-.10670467	.002	-.172	-62.277	.000
	Geographic Location	-.12000935	.002	-.112	-50.713	.000
5	(Constant)	-.71076824	.015		-47.444	.000
	LN(Stand Area)	.20730034	.002	.237	113.371	.000
	AveIncome	.00000153	.000	.237	80.345	.000
	AveHouseSize	-.10496151	.002	-.170	-61.573	.000
	Geographic Location	-.14112709	.002	-.132	-58.987	.000

	StandValue	.00000064	.000	.098	49.347	.000
6	**(Constant)**	-.34026823	.017		-20.180	.000
	LN(Stand Area)	.21113425	.002	.242	115.911	.000
	AveIncome	.00000150	.000	.233	79.060	.000
	AveHouseSize	-.10309697	.002	-.167	-60.756	.000
	Geographic Location	-.23572410	.003	-.220	-75.635	.000
	StandValue	.00000067	.000	.102	51.994	.000
	MAP	-.00045097	.000	-.126	-47.039	.000
7	**(Constant)**	-.37110522	.017		-22.001	.000
	LN(Stand Area)	.21402372	.002	.245	117.516	.000
	AveIncome	.00000132	.000	.204	65.801	.000
	AveHouseSize	-.12818956	.002	-.207	-67.005	.000
	Geographic Location	-.26605576	.003	-.248	-80.829	.000
	StandValue	.00000068	.000	.104	53.020	.000
	MAP	-.00043954	.000	-.123	-45.886	.000
	house_waterconnection	.24039030	.009	.082	28.221	.000
8	**(Constant)**	-.55707514	.020		-28.560	.000
	LN(Stand Area)	.21519504	.002	.246	118.184	.000
	AveIncome	.00000154	.000	.238	66.540	.000
	AveHouseSize	-.14318857	.002	-.231	-69.201	.000
	Geographic Location	-.27069237	.003	-.253	-82.076	.000
	StandValue	.00000068	.000	.105	53.153	.000
	MAP	-.00040905	.000	-.114	-42.145	.000
	house_waterconnection	.29253942	.009	.100	32.702	.000
	AveHousholdsize	.05607064	.003	.050	18.941	.000
9	**(Constant)**	-.30393223	.023		-13.154	.000
	LN(Stand Area)	.21374473	.002	.245	117.405	.000
	AveIncome	.00000155	.000	.241	67.314	.000
	AveHouseSize	-.14227045	.002	-.230	-68.804	.000
	Geographic Location	-.30635023	.004	-.286	-82.125	.000
	StandValue	.00000069	.000	.105	53.572	.000
	MAP	-.00048246	.000	-.135	-46.644	.000
	house_waterconnection	.31166249	.009	.106	34.681	.000
	AveHousholdsize	.06262618	.003	.056	21.050	.000
	AveMaxTempSpecific	-.00831370	.000	-.046	-20.393	.000
10	**(Constant)**	-.18333354	.024		-7.717	.000
	LN(Stand Area)	.21355287	.002	.244	117.416	.000
	AveIncome	.00000142	.000	.220	59.409	.000
	AveHouseSize	-.12497654	.002	-.202	-56.363	.000
	Geographic Location	-.35624958	.004	-.333	-81.103	.000
	StandValue	.00000070	.000	.106	54.034	.000
	MAP	-.00050415	.000	-.141	-48.558	.000

	house_waterconnection	.25146596	.009	.086	26.736	.000
	AveHousholdsize	.06090100	.003	.054	20.484	.000
	AveMaxTempSpecific	-.01742970	.001	-.096	-29.617	.000
	AveMinTempSpecific	.01479918	.001	.070	21.458	.000
11	**(Constant)**	-.50457707	.028		-18.254	.000
	LN(Stand Area)	.21422853	.002	.245	117.905	.000
	AveIncome	.00000132	.000	.204	54.309	.000
	AveHouseSize	-.11361369	.002	-.184	-50.031	.000
	Geographic Location	-.32919492	.005	-.307	-72.396	.000
	StandValue	.00000071	.000	.108	54.973	.000
	MAP	-.00046309	.000	-.129	-43.987	.000
	house_waterconnection	.21204095	.010	.072	22.192	.000
	AveHousholdsize	.05525220	.003	.049	18.539	.000
	AveMaxTempSpecific	-.01877930	.001	-.103	-31.783	.000
	AveMinTempSpecific	.02275681	.001	.108	29.431	.000
	MAE	.00010202	.000	.060	22.661	.000
12	**(Constant)**	-.51952013	.028		-18.777	.000
	LN(Stand Area)	.21674623	.002	.248	118.372	.000
	AveIncome	.00000132	.000	.204	54.283	.000
	AveHouseSize	-.11367744	.002	-.184	-50.071	.000
	Geographic Location	-.32854641	.005	-.307	-72.266	.000
	StandValue	.00000071	.000	.108	54.829	.000
	MAP	-.00046362	.000	-.129	-44.048	.000
	house_waterconnection	.21149923	.010	.072	22.141	.000
	AveHousholdsize	.05527302	.003	.049	18.551	.000
	AveMaxTempSpecific	-.01881732	.001	-.103	-31.855	.000
	AveMinTempSpecific	.02278689	.001	.108	29.477	.000
	MAE	.00010184	.000	.060	22.629	.000
	Stand_Area	-.00000045	.000	-.021	-10.921	.000
13	**(Constant)**	-.55615711	.028		-19.956	.000
	LN(Stand Area)	.21691610	.002	.248	118.490	.000
	AveIncome	.00000133	.000	.206	54.724	.000
	AveHouseSize	-.11702506	.002	-.189	-51.083	.000
	Geographic Location	-.33069402	.005	-.309	-72.687	.000
	StandValue	.00000071	.000	.108	54.965	.000
	MAP	-.00048356	.000	-.135	-45.260	.000
	house_waterconnection	.13583212	.012	.046	11.459	.000
	AveHousholdsize	.05254316	.003	.047	17.576	.000
	AveMaxTempSpecific	-.01984628	.001	-.109	-33.175	.000
	AveMinTempSpecific	.02373153	.001	.113	30.511	.000
	MAE	.00009602	.000	.057	21.189	.000
	Stand_Area	-.00000045	.000	-.021	-10.815	.000

	WaterborneSanitation	.16700396	.015	.034	10.776	.000
14	**(Constant)**	-.62508657	.030		-21.016	.000
	LN(Stand Area)	.21661803	.002	.248	118.303	.000
	AveIncome	.00000136	.000	.210	55.021	.000
	AveHouseSize	-.10866951	.003	-.176	-41.566	.000
	Geographic Location	-.33107685	.005	-.309	-72.772	.000
	StandValue	.00000070	.000	.107	54.352	.000
	MAP	-.00048082	.000	-.134	-44.974	.000
	house_waterconnection	.17882877	.014	.061	13.237	.000
	AveHousholdsize	.04406794	.003	.039	13.555	.000
	AveMaxTempSpecific	-.01960853	.001	-.108	-32.722	.000
	AveMinTempSpecific	.02401979	.001	.114	30.837	.000
	MAE	.00009704	.000	.057	21.403	.000
	Stand_Area	-.00000045	.000	-.021	-10.781	.000
	WaterborneSanitation	.15684972	.016	.032	10.073	.000
	unemployed	.14622449	.022	.034	6.631	.000
15	**(Constant)**	-.66616453	.030		-21.887	.000
	LN(Stand Area)	.21629452	.002	.248	118.090	.000
	AveIncome	.00000140	.000	.216	54.938	.000
	AveHouseSize	-.10978598	.003	-.177	-41.902	.000
	Geographic Location	-.32273733	.005	-.301	-68.158	.000
	StandValue	.00000070	.000	.107	54.196	.000
	MAP	-.00046804	.000	-.131	-43.025	.000
	house_waterconnection	.14164093	.015	.048	9.619	.000
	AveHousholdsize	.04193001	.003	.037	12.830	.000
	AveMaxTempSpecific	-.01948348	.001	-.107	-32.498	.000
	AveMinTempSpecific	.02442574	.001	.116	31.255	.000
	MAE	.00009958	.000	.059	21.881	.000
	Stand_Area	-.00000045	.000	-.021	-10.816	.000
	WaterborneSanitation	.06806793	.021	.014	3.252	.001
	unemployed	.18080017	.023	.042	7.960	.000
	FormalHousing	.13721389	.022	.035	6.347	.000
16	**(Constant)**	.97805400	.562		1.739	.082
	LN(Stand Area)	.21634868	.002	.248	118.116	.000
	AveIncome	.00000140	.000	.217	55.001	.000
	AveHouseSize	-.10977411	.003	-.177	-41.898	.000
	Geographic Location	-.32244522	.005	-.301	-68.083	.000
	StandValue	.00000110	.000	.167	8.036	.000
	MAP	-.00046786	.000	-.131	-43.009	.000
	house_waterconnection	.14182921	.015	.048	9.632	.000
	AveHousholdsize	.04192187	.003	.037	12.828	.000
	AveMaxTempSpecific	-.01944888	.001	-.107	-32.435	.000

	AveMinTempSpecific	.02436101	.001	.116	31.160	.000
	MAE	.00009935	.000	.059	21.825	.000
	Stand_Area	-.00000045	.000	-.021	-10.816	.000
	WaterborneSanitation	.06874157	.021	.014	3.284	.001
	unemployed	.18229151	.023	.043	8.024	.000
	FormalHousing	.13703186	.022	.035	6.338	.000
	Ln(Stand Value)	-.14004388	.048	-.061	-2.927	.003
a Dependent Variable: LN(Water Demand)						

Excluded Variables(p)

Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**Stand_Area**	-.030(a)	-14.903	.000	-.031	.986
	StandValue	.094(a)	47.341	.000	.099	.976
	MAP	.044(a)	21.206	.000	.044	.914
	AveMaxTempSpecific	.064(a)	32.467	.000	.068	.992
	AveMinTempSpecific	.022(a)	10.847	.000	.023	.974
	MAE	.118(a)	58.798	.000	.122	.967
	unemployed	-.074(a)	-37.081	.000	-.077	.991
	FormalHousing	.056(a)	28.258	.000	.059	.997
	AveHousholdsize	-.112(a)	-55.909	.000	-.116	.972
	AveHouseSize	.025(a)	12.404	.000	.026	.982
	AveIncome	.169(a)	84.822	.000	.175	.958
	house_waterconnection	.047(a)	23.928	.000	.050	.998
	WaterborneSanitation	.052(a)	26.037	.000	.054	.999
	Ln(Stand Value)	.093(a)	46.754	.000	.098	.976
	Geographic Location	-.174(a)	-82.886	.000	-.171	.866
2	**Stand_Area**	-.025(b)	-12.542	.000	-.026	.985
	StandValue	.077(b)	38.699	.000	.081	.963
	MAP	.007(b)	3.298	.001	.007	.872
	AveMaxTempSpecific	.028(b)	13.875	.000	.029	.940
	AveMinTempSpecific	.000(b)	-.246	.805	-.001	.957
	MAE	.094(b)	46.857	.000	.098	.944
	unemployed	.137(b)	44.443	.000	.093	.398
	FormalHousing	-.040(b)	-17.486	.000	-.037	.733
	AveHousholdsize	-.019(b)	-7.805	.000	-.016	.633
	AveHouseSize	-.189(b)	-68.301	.000	-.142	.487
	house_waterconnection	-.069(b)	-28.983	.000	-.061	.677
	WaterborneSanitation	-.040(b)	-17.731	.000	-.037	.756
	Ln(Stand Value)	.075(b)	38.053	.000	.080	.963
	Geographic Location	-.128(b)	-57.913	.000	-.121	.766

3	**Stand_Area**	-.025(c)	-12.930	.000	-.027	.985
	StandValue	.077(c)	39.134	.000	.082	.963
	MAP	-.001(c)	-.702	.483	-.001	.869
	AveMaxTempSpecific	.036(c)	17.978	.000	.038	.937
	AveMinTempSpecific	-.009(c)	-4.322	.000	-.009	.954
	MAE	.081(c)	40.572	.000	.085	.934
	unemployed	.026(c)	7.011	.000	.015	.269
	FormalHousing	.068(c)	25.040	.000	.052	.502
	AveHousholdsize	.029(c)	11.476	.000	.024	.584
	house_waterconnection	.008(c)	2.901	.004	.006	.530
	WaterborneSanitation	.043(c)	16.915	.000	.035	.582
	Ln(Stand Value)	.075(c)	38.497	.000	.080	.963
	Geographic Location	-.112(c)	-50.713	.000	-.106	.755
4	**Stand_Area**	-.022(d)	-11.354	.000	-.024	.984
	StandValue	.098(d)	49.347	.000	.103	.933
	MAP	-.119(d)	-44.102	.000	-.092	.505
	AveMaxTempSpecific	.004(d)	2.109	.035	.004	.843
	AveMinTempSpecific	.039(d)	17.946	.000	.038	.795
	MAE	.042(d)	18.529	.000	.039	.718
	unemployed	-.006(d)	-1.627	.104	-.003	.261
	FormalHousing	.076(d)	27.978	.000	.059	.501
	AveHousholdsize	.040(d)	15.810	.000	.033	.580
	house_waterconnection	.082(d)	28.070	.000	.059	.428
	WaterborneSanitation	.051(d)	20.179	.000	.042	.580
	Ln(Stand Value)	.096(d)	48.726	.000	.102	.932
5	**Stand_Area**	-.021(e)	-10.723	.000	-.022	.984
	MAP	-.126(e)	-47.039	.000	-.098	.504
	AveMaxTempSpecific	.005(e)	2.367	.018	.005	.843
	AveMinTempSpecific	.041(e)	19.063	.000	.040	.794
	MAE	.046(e)	20.431	.000	.043	.717
	unemployed	-.019(e)	-5.089	.000	-.011	.260
	FormalHousing	.080(e)	29.627	.000	.062	.500
	AveHousholdsize	.040(e)	15.985	.000	.033	.580
	house_waterconnection	.088(e)	30.049	.000	.063	.428
	WaterborneSanitation	.054(e)	21.609	.000	.045	.580
	Ln(Stand Value)	-.089(e)	-4.210	.000	-.009	.008
6	**Stand_Area**	-.021(f)	-10.892	.000	-.023	.984
	AveMaxTempSpecific	-.036(f)	-16.023	.000	-.034	.729
	AveMinTempSpecific	.020(f)	9.354	.000	.020	.758
	MAE	.037(f)	16.515	.000	.035	.711
	unemployed	-.020(f)	-5.474	.000	-.011	.260
	FormalHousing	.073(f)	26.984	.000	.056	.499

	AveHousholdsize	.023(f)	9.307	.000	.020	.568
	house_waterconnection	.082(f)	28.221	.000	.059	.427
	WaterborneSanitation	.062(f)	24.765	.000	.052	.577
	Ln(Stand Value)	-.080(f)	-3.839	.000	-.008	.008
7	**Stand_Area**	-.021(g)	-10.769	.000	-.023	.984
	AveMaxTempSpecific	-.041(g)	-18.207	.000	-.038	.725
	AveMinTempSpecific	.004(g)	1.946	.052	.004	.705
	MAE	.038(g)	16.904	.000	.035	.711
	unemployed	.071(g)	15.105	.000	.032	.161
	FormalHousing	.036(g)	9.022	.000	.019	.224
	AveHousholdsize	.050(g)	18.941	.000	.040	.514
	WaterborneSanitation	.031(g)	9.909	.000	.021	.372
	Ln(Stand Value)	-.071(g)	-3.413	.001	-.007	.008
8	**Stand_Area**	-.021(h)	-10.781	.000	-.023	.984
	AveMaxTempSpecific	-.046(h)	-20.393	.000	-.043	.717
	AveMinTempSpecific	.000(h)	.114	.909	.000	.698
	MAE	.037(h)	16.463	.000	.034	.711
	unemployed	.043(h)	8.478	.000	.018	.137
	FormalHousing	.032(h)	7.988	.000	.017	.223
	WaterborneSanitation	.025(h)	8.170	.000	.017	.369
	Ln(Stand Value)	-.075(h)	-3.570	.000	-.007	.008
9	**Stand_Area**	-.021(i)	-10.852	.000	-.023	.984
	AveMinTempSpecific	.070(i)	21.458	.000	.045	.334
	MAE	.025(i)	10.414	.000	.022	.636
	unemployed	.030(i)	5.820	.000	.012	.135
	FormalHousing	.030(i)	7.592	.000	.016	.223
	WaterborneSanitation	.029(i)	9.301	.000	.019	.368
	Ln(Stand Value)	-.074(i)	-3.568	.000	-.007	.008
10	**Stand_Area**	-.021(j)	-10.988	.000	-.023	.984
	MAE	.060(j)	22.661	.000	.047	.505
	unemployed	.037(j)	7.214	.000	.015	.134
	FormalHousing	.044(j)	10.883	.000	.023	.218
	WaterborneSanitation	.043(j)	13.493	.000	.028	.355
	Ln(Stand Value)	-.063(j)	-3.001	.003	-.006	.008
11	**Stand_Area**	-.021(k)	-10.921	.000	-.023	.984
	unemployed	.040(k)	7.724	.000	.016	.134
	FormalHousing	.042(k)	10.482	.000	.022	.218
	WaterborneSanitation	.035(k)	10.882	.000	.023	.350
	Ln(Stand Value)	-.055(k)	-2.624	.009	-.006	.008
12	**unemployed**	.039(l)	7.657	.000	.016	.134
	FormalHousing	.042(l)	10.469	.000	.022	.218
	WaterborneSanitation	.034(l)	10.776	.000	.023	.350

	Ln(Stand Value)	-.055(l)	-2.628	.009	-.006	.008
13	**unemployed**	.034(m)	6.631	.000	.014	.133
	FormalHousing	.024(m)	4.570	.000	.010	.126
	Ln(Stand Value)	-.058(m)	-2.786	.005	-.006	.008
14	**FormalHousing**	.035(n)	6.347	.000	.013	.119
	Ln(Stand Value)	-.061(n)	-2.945	.003	-.006	.008
15	**Ln(Stand Value)**	-.061(o)	-2.927	.003	-.006	.008

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

b Predictors in the Model: (Constant), LN(Stand Area), AveIncome

c Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize

d Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location

e Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue

f Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP

g Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection

h Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize

i Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific

j Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific

k Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE

l Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area

m Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area, WaterborneSanitation

n Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area, WaterborneSanitation, unemployed

o Predictors in the Model: (Constant), LN(Stand Area), AveIncome, AveHouseSize, Geographic Location, StandValue, MAP, house_waterconnection, AveHousholdsize, AveMaxTempSpecific, AveMinTempSpecific, MAE, Stand_Area, WaterborneSanitation, unemployed, FormalHousing

p Dependent Variable: LN(Water Demand)

Single Variable Regression

Variables Entered/Removed(b)

Geographic Location	Model	Variables Entered	Variables Removed	Method
Inland	**1**	LN(Stand Area)(a)	.	Enter
Coastal	**1**	LN(Stand Area)(a)	.	Enter

a All requested variables entered.

b Dependent Variable: LN(Water Demand)

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.251(a)	.063	.063	.43331
Coastal	**1**	.243(a)	.059	.059	.37426
a Predictors: (Constant), LN(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	2289.986	1	2289.986	12196.443	.000(a)
		Residual	34061.090	181409	.188		
		Total	36351.076	181410			
Coastal	**1**	**Regression**	545.884	1	545.884	3897.251	.000(a)
		Residual	8736.104	62370	.140		
		Total	9281.988	62371			
a Predictors: (Constant), LN(Stand Area)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-.996	.014		-68.824	.000
		LN(Stand Area)	.226	.002	.251	110.438	.000
Coastal	**1**	**(Constant)**	-1.081	.022		-49.396	.000
		LN(Stand Area)	.206	.003	.243	62.428	.000
a Dependent Variable: LN(Water Demand)							

Regression

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

Model Summary

Geographic Location	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Inland	**1**	.157(a)	.025	.025	.44249
Coastal	**1**	.182(a)	.033	.033	.38073
a Predictors: (Constant), Ln(Stand Value)					

ANOVA(b)

Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	903.637	1	903.637	4615.225	.000(a)
		Residual	35549.475	181565	.196		
		Total	36453.112	181566			
Coastal	**1**	**Regression**	309.807	1	309.807	2137.201	.000(a)
		Residual	9075.890	62610	.145		
		Total	9385.697	62611			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: LN(Water Demand)							

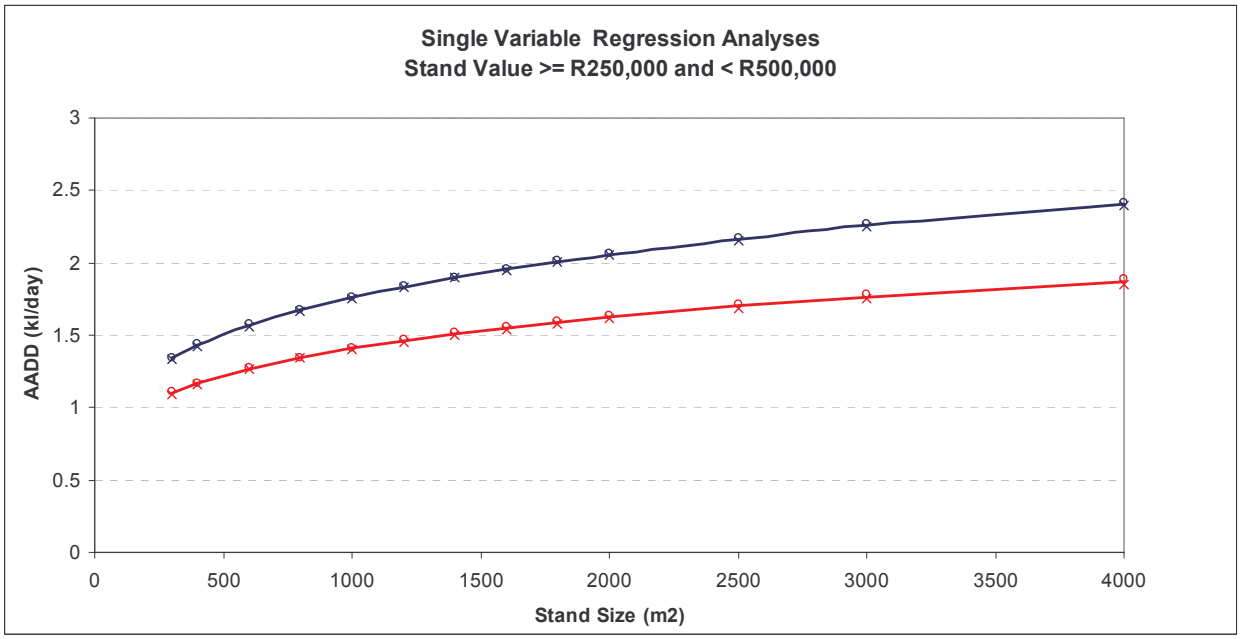
Coefficients(a)

Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
			B	Std. Error	Beta		
Inland	**1**	**(Constant)**	-4.026	.068		-59.138	.000
		Ln(Stand Value)	.364	.005	.157	67.935	.000
Coastal	**1**	**(Constant)**	-4.298	.099		-43.379	.000
		Ln(Stand Value)	.359	.008	.182	46.230	.000
a Dependent Variable: LN(Water Demand)							

Descriptive Statistics

Geographic Location		N	Minimum	Maximum	Mean	Std. Deviation
Inland	**LN(Water Demand)**	181567	-.69	7.10	.5983	.44807
	LN(Stand Area)	181411	4.06	14.86	7.0677	.49810
	Ln(Stand Value)	181567	12.43	13.12	12.7208	.19407
	Valid N (listwise)	181411				
Coastal	**LN(Water Demand)**	62612	-.69	6.48	.2819	.38718
	LN(Stand Area)	62372	3.14	20.08	6.6265	.45477
	Ln(Stand Value)	62612	12.43	13.12	12.7504	.19584
	Valid N (listwise)	62372				

Graphs


Single Variable Regression Analyses
Stand Value >= R250,000 and < R500,000
AADD (kl/day)
3
2.5
2
1.5
1
0.5
0
0
500
1000
1500
2000
2500
3000
3500
4000
Stand Size (m2)

User Category: RESVAL 750 000:

Stands Value >=R 500 000 and < R 750 000

Multi Variable Regression

Descriptives

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	53883	.00	203250000.00	5784.6839	875826.54867
SumOfAv_Day_Demand	53883	.00	254.00	1.9284	2.51301
StandValue	53883	500000.00	749995.00	591965.2559	68212.68816
Valid N (listwise)	53883				

Descriptives

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	53802	93.00	203250000.00	5793.3923	876485.57148
SumOfAv_Day_Demand	53883	.00	254.00	1.9284	2.51301
StandValue	53883	500000.00	749995.00	591965.2559	68212.68816
Valid N (listwise)	53802				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	LN(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	AveIncome	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	AveHouseSize	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	MAP	.	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	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	WaterborneSanitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
9	unemployed	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	AveMaxTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	house_waterconnection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
12	MAE	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
13	FormalHousing	.	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	.319(a)	.102	.102	.49132
2	.384(b)	.148	.148	.47859
3	.406(c)	.165	.165	.47381
4	.423(d)	.179	.179	.46976
5	.430(e)	.185	.185	.46792
6	.435(f)	.189	.189	.46677
7	.438(g)	.192	.192	.46601
8	.441(h)	.195	.194	.46528
9	.444(i)	.197	.197	.46465
10	.445(j)	.198	.198	.46419
11	.446(k)	.199	.199	.46392
12	.447(l)	.200	.199	.46385
13	.447(m)	.200	.200	.46381

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

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

c Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome

d Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize

e Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP

f Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area

g Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value)

h Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation

i Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed

j Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed, AveMaxTempSpecific
k Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed, AveMaxTempSpecific, house_waterconnection
l Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed, AveMaxTempSpecific, house_waterconnection, MAE
m Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed, AveMaxTempSpecific, house_waterconnection, MAE, FormalHousing

ANOVA(n)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1361.416	1	1361.416	5639.669	.000(a)
	Residual	12023.165	49806	.241		
	Total	13384.581	49807			
2	Regression	1976.873	2	988.437	4315.423	.000(b)
	Residual	11407.708	49805	.229		
	Total	13384.581	49807			
3	Regression	2203.611	3	734.537	3271.888	.000(c)
	Residual	11180.970	49804	.224		
	Total	13384.581	49807			
4	Regression	2394.169	4	598.542	2712.292	.000(d)
	Residual	10990.412	49803	.221		
	Total	13384.581	49807			
5	Regression	2480.512	5	496.102	2265.841	.000(e)
	Residual	10904.069	49802	.219		
	Total	13384.581	49807			
6	Regression	2534.431	6	422.405	1938.793	.000(f)
	Residual	10850.150	49801	.218		
	Total	13384.581	49807			
7	Regression	2569.702	7	367.100	1690.412	.000(g)
	Residual	10814.879	49800	.217		
	Total	13384.581	49807			
8	Regression	2603.612	8	325.452	1503.312	.000(h)
	Residual	10780.969	49799	.216		
	Total	13384.581	49807			
9	Regression	2633.002	9	292.556	1355.028	.000(i)
	Residual	10751.579	49798	.216		
	Total	13384.581	49807			
10	Regression	2654.479	10	265.448	1231.909	.000(j)
	Residual	10730.103	49797	.215		
	Total	13384.581	49807			

11	**Regression**	2667.253	11	242.478	1126.625	.000(k)
	Residual	10717.329	49796	.215		
	Total	13384.581	49807			
12	**Regression**	2670.774	12	222.564	1034.422	.000(l)
	Residual	10713.807	49795	.215		
	Total	13384.581	49807			
13	**Regression**	2673.084	13	205.622	955.864	.000(m)
	Residual	10711.497	49794	.215		
	Total	13384.581	49807			

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

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

c Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome

d Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize

e Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP

f Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area

g Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value)

h Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation

i Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed

j Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed, AveMaxTempSpecific

k Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed, AveMaxTempSpecific, house_waterconnection

l Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed, AveMaxTempSpecific, house_waterconnection, MAE

m Predictors: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed, AveMaxTempSpecific, house_waterconnection, MAE, FormalHousing

n Dependent Variable: LN(Water Demand)

Coefficients(a)

Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
		B	**Std. Error**	**Beta**		
1	**(Constant)**	-1.15947539	.026		-45.279	.000
	LN(Stand Area)	.26598631	.004	.319	75.098	.000
2	**(Constant)**	-.53851961	.028		-19.462	.000
	LN(Stand Area)	.22534874	.004	.270	63.694	.000
	Geographic Location	-.26155774	.005	-.220	-	.000

					51.837	
3	**(Constant)**	-.73159723	.028		-26.072	.000
	LN(Stand Area)	.21309612	.004	.256	60.472	.000
	Geographic Location	-.18735099	.006	-.158	-33.976	.000
	AveIncome	.00000099	.000	.146	31.780	.000
4	**(Constant)**	-.28783382	.032		-9.093	.000
	LN(Stand Area)	.20122576	.004	.241	57.215	.000
	Geographic Location	-.15332798	.006	-.129	-27.437	.000
	AveIncome	.00000185	.000	.275	43.475	.000
	AveHouseSize	-.11534927	.004	-.167	-29.386	.000
5	**(Constant)**	.11626853	.038		3.098	.002
	LN(Stand Area)	.20918724	.004	.251	59.326	.000
	Geographic Location	-.24117696	.007	-.203	-33.920	.000
	AveIncome	.00000190	.000	.282	44.668	.000
	AveHouseSize	-.12509872	.004	-.181	-31.746	.000
	MAP	-.00046972	.000	-.112	-19.858	.000
6	**(Constant)**	-.03225948	.039		-.836	.403
	LN(Stand Area)	.23427654	.004	.281	60.661	.000
	Geographic Location	-.24512280	.007	-.206	-34.538	.000
	AveIncome	.00000184	.000	.273	43.181	.000
	AveHouseSize	-.12367845	.004	-.179	-31.454	.000
	MAP	-.00048908	.000	-.117	-20.700	.000
	Stand_Area	-.00000532	.000	-.070	-15.732	.000
7	**(Constant)**	-3.16191458	.249		-12.720	.000
	LN(Stand Area)	.23087647	.004	.277	59.735	.000
	Geographic Location	-.24602404	.007	-.207	-34.720	.000
	AveIncome	.00000183	.000	.271	42.959	.000
	AveHouseSize	-.12088552	.004	-.175	-30.746	.000
	MAP	-.00049296	.000	-.118	-20.896	.000
	Stand_Area	-.00000523	.000	-.069	-15.486	.000
	Ln(Stand Value)	.23684186	.019	.052	12.744	.000

8	**(Constant)**	-3.36289124	.249		-13.521	.000
	LN(Stand Area)	.22937337	.004	.275	59.410	.000
	Geographic Location	-.25236327	.007	-.212	-35.579	.000
	AveIncome	.00000177	.000	.263	41.486	.000
	AveHouseSize	-.14454551	.004	-.209	-33.175	.000
	MAP	-.00051649	.000	-.123	-21.858	.000
	Stand_Area	-.00000508	.000	-.067	-15.041	.000
	Ln(Stand Value)	.23547341	.019	.051	12.690	.000
	WaterborneSanitation	.40136857	.032	.064	12.515	.000
9	**(Constant)**	-3.76533703	.251		-15.016	.000
	LN(Stand Area)	.22624321	.004	.271	58.537	.000
	Geographic Location	-.23435330	.007	-.197	-32.326	.000
	AveIncome	.00000206	.000	.306	41.753	.000
	AveHouseSize	-.12636326	.005	-.183	-27.340	.000
	MAP	-.00048190	.000	-.115	-20.263	.000
	Stand_Area	-.00000512	.000	-.067	-15.201	.000
	Ln(Stand Value)	.23955994	.019	.052	12.926	.000
	WaterborneSanitation	.54697898	.034	.088	15.913	.000
	unemployed	.49172424	.042	.090	11.667	.000
10	**(Constant)**	-3.43821657	.253		-13.609	.000
	LN(Stand Area)	.22677997	.004	.272	58.728	.000
	Geographic Location	-.27124556	.008	-.228	-33.360	.000
	AveIncome	.00000206	.000	.305	41.688	.000
	AveHouseSize	-.12616544	.005	-.183	-27.324	.000
	MAP	-.00056860	.000	-.136	-22.477	.000
	Stand_Area	-.00000527	.000	-.069	-15.640	.000
	Ln(Stand Value)	.23899654	.019	.052	12.908	.000
	WaterborneSanitation	.56375254	.034	.090	16.398	.000
	unemployed	.45444361	.042	.083	10.751	.000
	AveMaxTempSpecific	-.01001810	.001	-.047	-9.983	.000
11	**(Constant)**	-3.43694138	.252		-13.612	.000

	LN(Stand Area)	.22642114	.004	.271	58.665	.000
	Geographic Location	-.287071982	.008	-.241	-34.250	.000
	AveIncome	.000002040	.000	.302	41.283	.000
	AveHouseSize	-.123906746	.005	-.180	-26.797	.000
	MAP	-.000527275	.000	-.126	-20.402	.000
	Stand_Area	-.000005210	.000	-.068	-15.465	.000
	Ln(Stand Value)	.234269733	.019	.051	12.653	.000
	WaterborneSanitation	.356250327	.044	.057	8.160	.000
	unemployed	.664013284	.050	.121	13.215	.000
	AveMaxTempSpecific	-.009416111	.001	-.044	-9.361	.000
	house_waterconnection	.263288002	.034	.071	7.704	.000
12	**(Constant)**	-3.597405375	.256		-14.077	.000
	LN(Stand Area)	.225346976	.004	.270	58.258	.000
	Geographic Location	-.272805855	.009	-.229	-30.005	.000
	AveIncome	.000002010	.000	.298	40.256	.000
	AveHouseSize	-.120298011	.005	-.174	-25.549	.000
	MAP	-.000509609	.000	-.122	-19.446	.000
	Stand_Area	-.000005169	.000	-.068	-15.340	.000
	Ln(Stand Value)	.237287534	.019	.052	12.808	.000
	WaterborneSanitation	.317938985	.045	.051	7.118	.000
	unemployed	.668088917	.050	.122	13.296	.000
	AveMaxTempSpecific	-.008218231	.001	-.039	-7.838	.000
	house_waterconnection	.285056394	.035	.077	8.241	.000
	MAE	.000038493	.000	.020	4.045	.000
13	**(Constant)**	-3.632483547	.256		-14.203	.000
	LN(Stand Area)	.225267379	.004	.270	58.242	.000
	Geographic Location	-.267347192	.009	-.225	-28.926	.000
	AveIncome	.000002052	.000	.304	39.805	.000
	AveHouseSize	-.121841680	.005	-.177	-25.751	.000
	MAP	-.000502605	.000	-.120	-19.117	.000
	Stand_Area	-.000005184	.000	-.068	-15.383	.000
	Ln(Stand Value)	.236895669	.019	.052	12.787	.000
	WaterborneSanitation	.199529380	.057	.032	3.473	.001

	unemployed	.709654251	.052	.130	13.695	.000
	AveMaxTempSpecific	-.008101923	.001	-.038	-7.724	.000
	house_waterconnection	.243453699	.037	.066	6.608	.000
	MAE	.00003750	.000	.020	3.939	.000
	FormalHousing	.18282850	.056	.035	3.277	.001
a Dependent Variable: LN(Water Demand)						

Excluded Variables(n)						
Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**Stand_Area**	-.094(a)	-20.323	.000	-.091	.839
	StandValue	.055(a)	13.035	.000	.058	.994
	MAP	.093(a)	21.473	.000	.096	.943
	AveMaxTempSpecific	.081(a)	19.056	.000	.085	.998
	AveMinTempSpecific	-.044(a)	-10.269	.000	-.046	.979
	MAE	.149(a)	34.946	.000	.155	.969
	unemployed	-.079(a)	-18.648	.000	-.083	.997
	FormalHousing	.068(a)	16.084	.000	.072	.999
	AveHousholdsize	-.148(a)	-34.408	.000	-.152	.957
	AveHouseSize	.036(a)	8.591	.000	.038	.999
	AveIncome	.213(a)	50.382	.000	.220	.962
	house_waterconnection	.046(a)	10.815	.000	.048	1.000
	WaterborneSanitation	.079(a)	18.519	.000	.083	.997
	Ln(Stand Value)	.056(a)	13.146	.000	.059	.994
	Geographic Location	-.220(a)	-51.837	.000	-.226	.951
2	**Stand_Area**	-.082(b)	-18.296	.000	-.082	.837
	StandValue	.055(b)	13.352	.000	.060	.994
	MAP	-.098(b)	-17.086	.000	-.076	.522
	AveMaxTempSpecific	-.002(b)	-.410	.682	-.002	.851
	AveMinTempSpecific	.034(b)	7.674	.000	.034	.864
	MAE	.059(b)	12.386	.000	.055	.751
	unemployed	-.044(b)	-10.479	.000	-.047	.968
	FormalHousing	.050(b)	12.052	.000	.054	.992
	AveHousholdsize	-.073(b)	-16.048	.000	-.072	.812
	AveHouseSize	.004(b)	.918	.359	.004	.976
	AveIncome	.146(b)	31.780	.000	.141	.790
	house_waterconnection	.076(b)	18.297	.000	.082	.982
	WaterborneSanitation	.055(b)	13.242	.000	.059	.984
	Ln(Stand Value)	.056(b)	13.461	.000	.060	.994
3	**Stand_Area**	-.069(c)	-15.348	.000	-.069	.829
	StandValue	.058(c)	14.232	.000	.064	.994

	MAP	-.090(c)	-15.868	.000	-.071	.521
	AveMaxTempSpecific	-.024(c)	-5.397	.000	-.024	.831
	AveMinTempSpecific	-.004(c)	-.923	.356	-.004	.801
	MAE	.063(c)	13.425	.000	.060	.751
	unemployed	.134(c)	21.037	.000	.094	.408
	FormalHousing	-.021(c)	-4.486	.000	-.020	.739
	AveHousholdsize	-.008(c)	-1.642	.101	-.007	.638
	AveHouseSize	-.167(c)	-29.386	.000	-.131	.509
	house_waterconnection	-.012(c)	-2.282	.022	-.010	.586
	WaterborneSanitation	-.011(c)	-2.255	.024	-.010	.755
	Ln(Stand Value)	.059(c)	14.290	.000	.064	.994
4	**Stand_Area**	-.065(d)	-14.611	.000	-.065	.828
	StandValue	.052(d)	12.653	.000	.057	.990
	MAP	-.112(d)	-19.858	.000	-.089	.513
	AveMaxTempSpecific	-.009(d)	-2.016	.044	-.009	.819
	AveMinTempSpecific	-.010(d)	-2.149	.032	-.010	.799
	MAE	.039(d)	8.242	.000	.037	.725
	unemployed	.061(d)	8.453	.000	.038	.320
	FormalHousing	.057(d)	10.631	.000	.048	.574
	AveHousholdsize	.025(d)	4.875	.000	.022	.608
	house_waterconnection	.060(d)	10.394	.000	.047	.491
	WaterborneSanitation	.059(d)	11.395	.000	.051	.617
	Ln(Stand Value)	.052(d)	12.709	.000	.057	.990
5	**Stand_Area**	-.070(e)	-15.732	.000	-.070	.826
	StandValue	.053(e)	12.972	.000	.058	.990
	AveMaxTempSpecific	-.043(e)	-9.027	.000	-.040	.732
	AveMinTempSpecific	-.034(e)	-7.297	.000	-.033	.750
	MAE	.035(e)	7.355	.000	.033	.724
	unemployed	.041(e)	5.633	.000	.025	.313
	FormalHousing	.059(e)	11.157	.000	.050	.574
	AveHousholdsize	.007(e)	1.337	.181	.006	.588
	house_waterconnection	.058(e)	10.091	.000	.045	.491
	WaterborneSanitation	.068(e)	13.111	.000	.059	.613
	Ln(Stand Value)	.053(e)	13.041	.000	.058	.990
6	**StandValue**	.051(f)	12.684	.000	.057	.990
	AveMaxTempSpecific	-.046(f)	-9.817	.000	-.044	.730
	AveMinTempSpecific	-.037(f)	-7.853	.000	-.035	.749
	MAE	.034(f)	7.145	.000	.032	.724
	unemployed	.044(f)	6.042	.000	.027	.313
	FormalHousing	.057(f)	10.716	.000	.048	.573
	AveHousholdsize	.009(f)	1.647	.100	.007	.588
	house_waterconnection	.054(f)	9.453	.000	.042	.490

	WaterborneSanitation	.065(f)	12.570	.000	.056	.612
	Ln(Stand Value)	.052(f)	12.744	.000	.057	.990
7	**StandValue**	-.060(g)	-.791	.429	-.004	.003
	AveMaxTempSpecific	-.046(g)	-9.822	.000	-.044	.730
	AveMinTempSpecific	-.039(g)	-8.360	.000	-.037	.748
	MAE	.037(g)	7.716	.000	.035	.722
	unemployed	.045(g)	6.305	.000	.028	.313
	FormalHousing	.056(g)	10.501	.000	.047	.573
	AveHousholdsize	.009(g)	1.729	.084	.008	.588
	house_waterconnection	.052(g)	9.062	.000	.041	.490
	WaterborneSanitation	.064(g)	12.515	.000	.056	.612
8	**StandValue**	-.065(h)	-.856	.392	-.004	.003
	AveMaxTempSpecific	-.052(h)	-10.964	.000	-.049	.725
	AveMinTempSpecific	-.043(h)	-9.292	.000	-.042	.745
	MAE	.031(h)	6.481	.000	.029	.715
	unemployed	.090(h)	11.667	.000	.052	.272
	FormalHousing	.006(h)	.616	.538	.003	.197
	AveHousholdsize	.022(h)	4.204	.000	.019	.566
	house_waterconnection	.007(h)	.845	.398	.004	.267
9	**StandValue**	-.050(i)	-.657	.511	-.003	.003
	AveMaxTempSpecific	-.047(i)	-9.983	.000	-.045	.719
	AveMinTempSpecific	-.031(i)	-6.522	.000	-.029	.695
	MAE	.026(i)	5.377	.000	.024	.708
	FormalHousing	.066(i)	6.511	.000	.029	.157
	AveHousholdsize	-.013(i)	-2.098	.036	-.009	.416
	house_waterconnection	.078(i)	8.449	.000	.038	.190
10	**StandValue**	-.045(j)	-.587	.557	-.003	.003
	AveMinTempSpecific	-.003(j)	-.454	.650	-.002	.430
	MAE	.014(j)	2.796	.005	.013	.657
	FormalHousing	.059(j)	5.845	.000	.026	.157
	AveHousholdsize	-.001(j)	-.171	.864	-.001	.400
	house_waterconnection	.071(j)	7.704	.000	.035	.188
11	**StandValue**	-.041(k)	-.541	.588	-.002	.003
	AveMinTempSpecific	-.016(k)	-2.559	.010	-.011	.400
	MAE	.020(k)	4.045	.000	.018	.641
	FormalHousing	.037(k)	3.404	.001	.015	.138
	AveHousholdsize	.007(k)	1.038	.299	.005	.391
12	**StandValue**	-.044(l)	-.578	.563	-.003	.003
	AveMinTempSpecific	-.001(l)	-.068	.946	.000	.247
	FormalHousing	.035(l)	3.277	.001	.015	.138
	AveHousholdsize	.006(l)	.994	.320	.004	.391
13	**StandValue**	-.047(m)	-.625	.532	-.003	.003

	AveMinTempSpecific	-.001(m)	-.096	.923	.000	.247
	AveHousholdsize	.003(m)	.533	.594	.002	.383

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

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

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

d Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize

e Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP

f Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area

g Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value)

h Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation

i Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed

j Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed, AveMaxTempSpecific

k Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed, AveMaxTempSpecific, house_waterconnection

l Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed, AveMaxTempSpecific, house_waterconnection, MAE

m Predictors in the Model: (Constant), LN(Stand Area), Geographic Location, AveIncome, AveHouseSize, MAP, Stand_Area, Ln(Stand Value), WaterborneSanitation, unemployed, AveMaxTempSpecific, house_waterconnection, MAE, FormalHousing

n Dependent Variable: LN(Water Demand)

Single Variable Regression

Variables Entered/Removed(b)

Geographic Location	Model	Variables Entered	Variables Removed	Method
Inland	**1**	LN(Stand Area)(a)	.	Enter
Coastal	**1**	LN(Stand Area)(a)	.	Enter

a All requested variables entered.

b Dependent Variable: LN(Water Demand)

Model Summary

Geographic Location	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Inland	**1**	.270(a)	.073	.073	.48939
Coastal	**1**	.294(a)	.086	.086	.46404

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

ANOVA(b)

Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	716.803	1	716.803	2992.861	.000(a)

		Residual	9150.498	38206	.240		
		Total	9867.301	38207			
Coastal	**1**	**Regression**	317.077	1	317.077	1472.520	.000(a)
		Residual	3357.417	15592	.215		
		Total	3674.493	15593			
a Predictors: (Constant), LN(Stand Area)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-.692	.028		-24.656	.000
		LN(Stand Area)	.210	.004	.270	54.707	.000
Coastal	**1**	**(Constant)**	-1.416	.049		-28.690	.000
		LN(Stand Area)	.272	.007	.294	38.373	.000
a Dependent Variable: LN(Water Demand)							

Regression

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

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.085(a)	.007	.007	.50692
Coastal	**1**	.040(a)	.002	.002	.48655
a Predictors: (Constant), Ln(Stand Value)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	71.902	1	71.902	279.814	.000(a)
		Residual	9823.472	38229	.257		
		Total	9895.374	38230			

Coastal	**1**	**Regression**	5.907	1	5.907	24.953	.000(a)
		Residual	3704.763	15650	.237		
		Total	3710.670	15651			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: LN(Water Demand)							

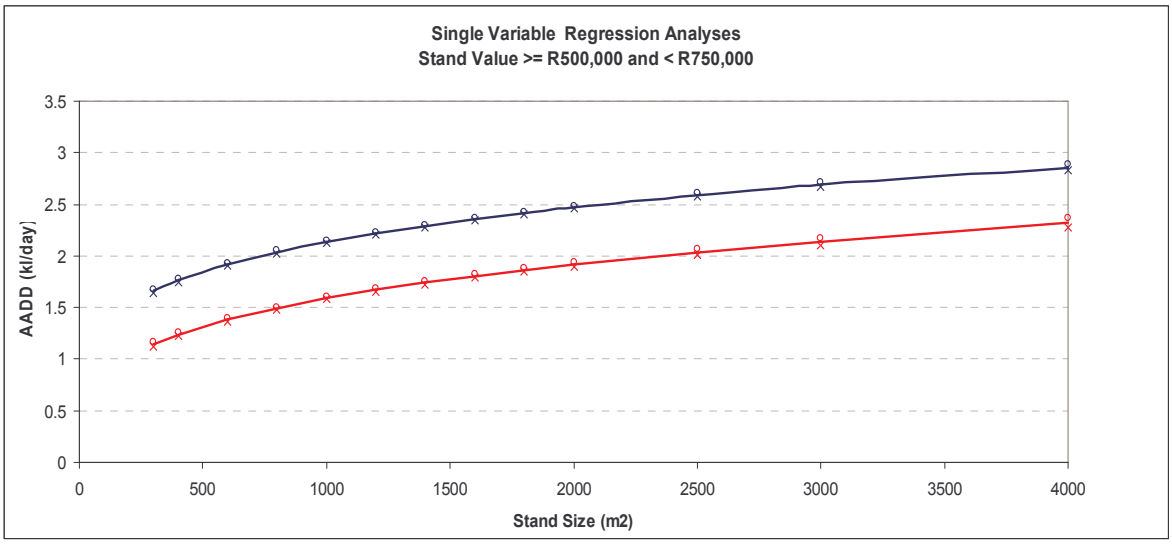
Coefficients(a)

Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-4.256	.305		-13.976	.000
		Ln(Stand Value)	.383	.023	.085	16.728	.000
Coastal	**1**	**(Constant)**	-1.812	.457		-3.962	.000
		Ln(Stand Value)	.172	.034	.040	4.995	.000
a Dependent Variable: LN(Water Demand)							

Descriptive Statistics

Geographic Location		**N**	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Inland	**LN(Water Demand)**	38231	-.69	5.54	.8378	.50876
	LN(Stand Area)	38208	4.53	15.05	7.2904	.65272
	Ln(Stand Value)	38231	13.12	13.53	13.2859	.11311
	Valid N (listwise)	38208				
Coastal	**LN(Water Demand)**	15652	-.69	4.72	.4728	.48692
	LN(Stand Area)	15594	4.93	19.13	6.9502	.52479
	Ln(Stand Value)	15652	13.12	13.53	13.2820	.11293
	Valid N (listwise)	15594				

Graphs


Single Variable Regression Analyses
Stand Value >= R500,000 and < R750,000
AADD (kl/day)
3.5
3
2.5
2
1.5
1
0.5
0
0
500
1000
1500
2000
2500
3000
3500
4000
Stand Size (m2)

User Category: RESVAL 1 000 000:

Stands Value >=R 750 000 and < R1 000 000

Multi Variable Regression

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	15752	.00	506000000.00	35484.2543	4033193.01198
SumOfAv_Day_Demand	15752	.00	487.08	2.4295	5.50550
StandValue	15752	750000.00	999740.00	850244.7088	70130.87061
Valid N (listwise)	15752				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	Geographic Location	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	MAP	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	AveMaxTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	AveMinTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	AveIncome	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	unemployed	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	house_waterconnection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
9	AveHouseSize	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	Stand_Area	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
12	MAE	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
13	FormalHousing	.	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	.295(a)	.087	.087	.57517
2	.365(b)	.133	.133	.56047
3	.373(c)	.139	.139	.55863
4	.383(d)	.146	.146	.55619
5	.386(e)	.149	.149	.55530
6	.388(f)	.151	.150	.55482
7	.399(g)	.159	.159	.55200
8	.406(h)	.165	.165	.55010
9	.408(i)	.166	.166	.54975
10	.409(j)	.167	.167	.54945
11	.410(k)	.168	.167	.54925
12	.410(l)	.168	.168	.54913
13	.411(m)	.169	.168	.54903
a Predictors: (Constant), Geographic Location				
b Predictors: (Constant), Geographic Location, LN(Stand Area)				
c Predictors: (Constant), Geographic Location, LN(Stand Area), MAP				
d Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific				
e Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific				
f Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome				
g Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed				
h Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection				
i Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize				
j Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize, Stand_Area				
k Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize, Stand_Area, Ln(Stand Value)				
l Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize, Stand_Area, Ln(Stand Value), MAE				
m Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize, Stand_Area, Ln(Stand Value), MAE, FormalHousing				

ANOVA(n)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	452.272	1	452.272	1367.146	.000(a)
	Residual	4747.192	14350	.331		
	Total	5199.464	14351			

2	**Regression**	692.063	2	346.031	1101.567	.000(b)
	Residual	4507.402	14349	.314		
	Total	5199.464	14351			
3	**Regression**	721.963	3	240.654	771.168	.000(c)
	Residual	4477.501	14348	.312		
	Total	5199.464	14351			
4	**Regression**	761.233	4	190.308	615.189	.000(d)
	Residual	4438.232	14347	.309		
	Total	5199.464	14351			
5	**Regression**	775.722	5	155.144	503.126	.000(e)
	Residual	4423.742	14346	.308		
	Total	5199.464	14351			
6	**Regression**	783.668	6	130.611	424.300	.000(f)
	Residual	4415.796	14345	.308		
	Total	5199.464	14351			
7	**Regression**	828.797	7	118.400	388.573	.000(g)
	Residual	4370.667	14344	.305		
	Total	5199.464	14351			
8	**Regression**	859.121	8	107.390	354.879	.000(h)
	Residual	4340.343	14343	.303		
	Total	5199.464	14351			
9	**Regression**	864.888	9	96.099	317.966	.000(i)
	Residual	4334.576	14342	.302		
	Total	5199.464	14351			
10	**Regression**	870.058	10	87.006	288.203	.000(j)
	Residual	4329.407	14341	.302		
	Total	5199.464	14351			
11	**Regression**	873.379	11	79.398	263.187	.000(k)
	Residual	4326.085	14340	.302		
	Total	5199.464	14351			
12	**Regression**	875.613	12	72.968	241.980	.000(l)
	Residual	4323.851	14339	.302		
	Total	5199.464	14351			
13	**Regression**	877.552	13	67.504	223.945	.000(m)
	Residual	4321.912	14338	.301		
	Total	5199.464	14351			

a Predictors: (Constant), Geographic Location

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

c Predictors: (Constant), Geographic Location, LN(Stand Area), MAP

d Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific

e Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific

f Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome
g Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed
h Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection
i Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize
j Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize, Stand_Area
k Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize, Stand_Area, Ln(Stand Value)
l Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize, Stand_Area, Ln(Stand Value), MAE
m Predictors: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize, Stand_Area, Ln(Stand Value), MAE, FormalHousing
n Dependent Variable: LN(Water Demand)

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1.39810001	.015		93.744	.000
	Geographic Location	-.42734581	.012	-.295	-36.975	.000
2	(Constant)	-.03355418	.054		-.623	.533
	Geographic Location	-.35184026	.012	-.243	-30.359	.000
	LN(Stand Area)	.18172748	.007	.221	27.629	.000
3	(Constant)	.38663350	.069		5.628	.000
	Geographic Location	-.44582404	.015	-.308	-29.681	.000
	LN(Stand Area)	.19124748	.007	.233	28.856	.000
	MAP	-.00054986	.000	-.102	-9.788	.000
4	(Constant)	1.25199170	.103		12.173	.000
	Geographic Location	-.55765882	.018	-.385	-31.069	.000
	LN(Stand Area)	.19083448	.007	.232	28.920	.000
	MAP	-.00085062	.000	-.158	-13.726	.000
	AveMaxTempSpecific	-.02274304	.002	-.105	-11.267	.000
5	(Constant)	1.44858228	.107		13.587	.000
	Geographic Location	-.65033781	.022	-.449	-	.000

					28.970	
	LN(Stand Area)	.19442723	.007	.236	29.418	.000
	MAP	-.00090671	.000	-.169	-14.528	.000
	AveMaxTempSpecific	-.03743216	.003	-.172	-12.725	.000
	AveMinTempSpecific	.02445479	.004	.086	6.855	.000
6	**(Constant)**	1.36248113	.108		12.632	.000
	Geographic Location	-.60277330	.024	-.416	-24.801	.000
	LN(Stand Area)	.19182950	.007	.233	28.964	.000
	MAP	-.00090130	.000	-.168	-14.451	.000
	AveMaxTempSpecific	-.03638488	.003	-.167	-12.349	.000
	AveMinTempSpecific	.01982394	.004	.070	5.388	.000
	AveIncome	.00000038	.000	.048	5.081	.000
7	**(Constant)**	.80279280	.117		6.876	.000
	Geographic Location	-.52824511	.025	-.365	-21.177	.000
	LN(Stand Area)	.18972069	.007	.231	28.782	.000
	MAP	-.00077403	.000	-.144	-12.301	.000
	AveMaxTempSpecific	-.03336954	.003	-.153	-11.343	.000
	AveMinTempSpecific	.02461111	.004	.087	6.685	.000
	AveIncome	.00000139	.000	.177	12.496	.000
	unemployed	.92042750	.076	.154	12.170	.000
8	**(Constant)**	.13786660	.134		1.029	.303
	Geographic Location	-.52437400	.025	-.362	-21.092	.000
	LN(Stand Area)	.18893215	.007	.230	28.759	.000
	MAP	-.00061682	.000	-.115	-9.542	.000
	AveMaxTempSpecific	-.03001944	.003	-.138	-10.173	.000
	AveMinTempSpecific	.02281633	.004	.080	6.212	.000
	AveIncome	.00000139	.000	.177	12.529	.000
	unemployed	1.60424925	.102	.268	15.771	.000
	house_waterconnection	.54649023	.055	.136	10.010	.000
9	**(Constant)**	.31597933	.140		2.258	.024
	Geographic Location	-.50368515	.025	-.348	-19.914	.000
	LN(Stand Area)	.18658276	.007	.227	28.325	.000
	MAP	-.00065905	.000	-.123	-10.089	.000
	AveMaxTempSpecific	-.02700720	.003	-.124	-8.918	.000

	AveMinTempSpecific	.01717884	.004	.060	4.415	.000
	AveIncome	.00000158	.000	.202	13.263	.000
	unemployed	1.44823825	.108	.242	13.441	.000
	house_waterconnection	.57479436	.055	.143	10.462	.000
	AveHouseSize	-.04430480	.010	-.059	-4.368	.000
10	**(Constant)**	.30313783	.140		2.167	.030
	Geographic Location	-.50548740	.025	-.349	-19.993	.000
	LN(Stand Area)	.19029485	.007	.231	28.640	.000
	MAP	-.00066643	.000	-.124	-10.204	.000
	AveMaxTempSpecific	-.02770987	.003	-.127	-9.141	.000
	AveMinTempSpecific	.01746022	.004	.061	4.489	.000
	AveIncome	.00000158	.000	.201	13.252	.000
	unemployed	1.45784085	.108	.244	13.534	.000
	house_waterconnection	.57492077	.055	.143	10.470	.000
	AveHouseSize	-.04309909	.010	-.058	-4.250	.000
	Stand_Area	-.00000016	.000	-.032	-4.138	.000
11	**(Constant)**	-2.26259919	.786		-2.880	.004
	Geographic Location	-.50712661	.025	-.350	-20.061	.000
	LN(Stand Area)	.18930670	.007	.230	28.472	.000
	MAP	-.00066847	.000	-.124	-10.238	.000
	AveMaxTempSpecific	-.02758964	.003	-.127	-9.103	.000
	AveMinTempSpecific	.01770316	.004	.062	4.552	.000
	AveIncome	.00000156	.000	.198	13.046	.000
	unemployed	1.46114168	.108	.244	13.569	.000
	house_waterconnection	.57416641	.055	.143	10.460	.000
	AveHouseSize	-.04046816	.010	-.054	-3.980	.000
	Stand_Area	-.00000016	.000	-.032	-4.114	.000
	Ln(Stand Value)	.18777073	.057	.025	3.318	.001
12	**(Constant)**	-1.99511768	.792		-2.520	.012
	Geographic Location	-.52132354	.026	-.360	-20.202	.000
	LN(Stand Area)	.18941009	.007	.230	28.494	.000
	MAP	-.00069219	.000	-.129	-10.511	.000
	AveMaxTempSpecific	-.02525172	.003	-.116	-8.018	.000
	AveMinTempSpecific	.00991325	.005	.035	2.053	.040
	AveIncome	.00000160	.000	.204	13.286	.000
	unemployed	1.40104293	.110	.234	12.749	.000
	house_waterconnection	.58848659	.055	.146	10.674	.000
	AveHouseSize	-.05463875	.011	-.073	-4.784	.000

	Stand_Area	-.00000017	.000	-.032	-4.206	.000
	Ln(Stand Value)	.18843410	.057	.026	3.331	.001
	MAE	-.00007884	.000	-.036	-2.722	.007
13	**(Constant)**	-2.06604312	.792		-2.608	.009
	Geographic Location	-.51541148	.026	-.356	-19.895	.000
	LN(Stand Area)	.18897721	.007	.230	28.425	.000
	MAP	-.00070116	.000	-.130	-10.634	.000
	AveMaxTempSpecific	-.02558080	.003	-.118	-8.117	.000
	AveMinTempSpecific	.01055207	.005	.037	2.183	.029
	AveIncome	.00000166	.000	.212	13.524	.000
	unemployed	1.45363489	.112	.243	13.000	.000
	house_waterconnection	.45320485	.077	.113	5.908	.000
	AveHouseSize	-.05952741	.012	-.080	-5.140	.000
	Stand_Area	-.00000017	.000	-.033	-4.236	.000
	Ln(Stand Value)	.18628601	.057	.025	3.293	.001
	MAE	-.00008514	.000	-.039	-2.929	.003
	FormalHousing	.24743477	.098	.045	2.536	.011

a Dependent Variable: LN(Water Demand)

Excluded Variables(n)

Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**Stand_Area**	.005(a)	.611	.541	.005	1.000
	StandValue	.044(a)	5.554	.000	.046	1.000
	MAP	-.058(a)	-5.459	.000	-.046	.563
	AveMaxTempSpecific	-.065(a)	-7.591	.000	-.063	.853
	AveMinTempSpecific	-.030(a)	-3.513	.000	-.029	.860
	MAE	.012(a)	1.142	.253	.010	.605
	unemployed	.038(a)	4.689	.000	.039	.963
	FormalHousing	.010(a)	1.292	.196	.011	.980
	AveHousholdsize	-.032(a)	-3.526	.000	-.029	.749
	AveHouseSize	-.025(a)	-3.053	.002	-.025	.970
	AveIncome	.059(a)	6.325	.000	.053	.730
	house_waterconnection	.026(a)	3.230	.001	.027	1.000
	WaterborneSanitation	.015(a)	1.821	.069	.015	.972
	LN(Stand Area)	.221(a)	27.629	.000	.225	.944
	Ln(Stand Value)	.044(a)	5.533	.000	.046	1.000
2	**Stand_Area**	-.024(b)	-3.105	.002	-.026	.982
	StandValue	.032(b)	4.055	.000	.034	.996
	MAP	-.102(b)	-9.788	.000	-.081	.551

	AveMaxTempSpecific	-.050(b)	-5.895	.000	-.049	.849
	AveMinTempSpecific	-.009(b)	-1.048	.295	-.009	.852
	MAE	-.009(b)	-.852	.394	-.007	.602
	unemployed	.042(b)	5.328	.000	.044	.962
	FormalHousing	.007(b)	.866	.387	.007	.980
	AveHousholdsize	.002(b)	.243	.808	.002	.735
	AveHouseSize	-.020(b)	-2.484	.013	-.021	.970
	AveIncome	.048(b)	5.235	.000	.044	.728
	house_waterconnection	.025(b)	3.266	.001	.027	1.000
	WaterborneSanitation	.003(b)	.376	.707	.003	.969
	Ln(Stand Value)	.032(b)	4.058	.000	.034	.996
3	**Stand_Area**	-.025(c)	-3.177	.001	-.027	.982
	StandValue	.035(c)	4.468	.000	.037	.994
	AveMaxTempSpecific	-.105(c)	-11.267	.000	-.094	.691
	AveMinTempSpecific	-.030(c)	-3.505	.000	-.029	.803
	MAE	-.006(c)	-.588	.557	-.005	.601
	unemployed	.041(c)	5.233	.000	.044	.962
	FormalHousing	.001(c)	.188	.850	.002	.975
	AveHousholdsize	-.020(c)	-2.135	.033	-.018	.693
	AveHouseSize	-.032(c)	-3.992	.000	-.033	.948
	AveIncome	.042(c)	4.675	.000	.039	.726
	house_waterconnection	.017(c)	2.160	.031	.018	.986
	WaterborneSanitation	.000(c)	-.057	.955	.000	.967
	Ln(Stand Value)	.035(c)	4.479	.000	.037	.994
4	**Stand_Area**	-.031(d)	-3.994	.000	-.033	.977
	StandValue	.031(d)	4.040	.000	.034	.993
	AveMinTempSpecific	.086(d)	6.855	.000	.057	.377
	MAE	-.042(d)	-4.068	.000	-.034	.550
	unemployed	.019(d)	2.323	.020	.019	.893
	FormalHousing	.015(d)	1.885	.059	.016	.954
	AveHousholdsize	-.021(d)	-2.293	.022	-.019	.693
	AveHouseSize	-.017(d)	-2.112	.035	-.018	.921
	AveIncome	.061(d)	6.616	.000	.055	.706
	house_waterconnection	.031(d)	4.001	.000	.033	.962
	WaterborneSanitation	.017(d)	2.072	.038	.017	.933
	Ln(Stand Value)	.031(d)	4.049	.000	.034	.993
5	**Stand_Area**	-.031(e)	-4.042	.000	-.034	.977
	StandValue	.031(e)	3.996	.000	.033	.993
	MAE	-.011(e)	-.899	.369	-.008	.424
	unemployed	.036(e)	4.225	.000	.035	.835
	FormalHousing	.008(e)	.980	.327	.008	.936
	AveHousholdsize	-.002(e)	-.256	.798	-.002	.631

	AveHouseSize	-.018(e)	-2.222	.026	-.019	.920
	AveIncome	.048(e)	5.081	.000	.042	.663
	house_waterconnection	.020(e)	2.452	.014	.020	.908
	WaterborneSanitation	.015(e)	1.844	.065	.015	.932
	Ln(Stand Value)	.031(e)	4.002	.000	.033	.993
6	**Stand_Area**	-.031(f)	-4.019	.000	-.034	.977
	StandValue	.030(f)	3.933	.000	.033	.993
	MAE	-.010(f)	-.846	.398	-.007	.424
	unemployed	.154(f)	12.170	.000	.101	.367
	FormalHousing	-.019(f)	-2.015	.044	-.017	.674
	AveHousholdsize	.016(f)	1.594	.111	.013	.556
	AveHouseSize	-.104(f)	-8.788	.000	-.073	.424
	house_waterconnection	-.008(f)	-.777	.437	-.006	.576
	WaterborneSanitation	-.009(f)	-.924	.356	-.008	.682
	Ln(Stand Value)	.030(f)	3.937	.000	.033	.993
7	**Stand_Area**	-.033(g)	-4.205	.000	-.035	.977
	StandValue	.028(g)	3.597	.000	.030	.992
	MAE	.000(g)	.038	.970	.000	.422
	FormalHousing	.103(g)	8.212	.000	.068	.373
	AveHousholdsize	-.029(g)	-2.626	.009	-.022	.494
	AveHouseSize	-.043(g)	-3.144	.002	-.026	.318
	house_waterconnection	.136(g)	10.010	.000	.083	.316
	WaterborneSanitation	.082(g)	7.308	.000	.061	.461
	Ln(Stand Value)	.028(g)	3.614	.000	.030	.992
8	**Stand_Area**	-.033(h)	-4.260	.000	-.036	.977
	StandValue	.028(h)	3.660	.000	.031	.992
	MAE	-.003(h)	-.277	.782	-.002	.421
	FormalHousing	.029(h)	1.656	.098	.014	.189
	AveHousholdsize	-.019(h)	-1.770	.077	-.015	.490
	AveHouseSize	-.059(h)	-4.368	.000	-.036	.314
	WaterborneSanitation	.013(h)	.894	.371	.007	.257
	Ln(Stand Value)	.028(h)	3.678	.000	.031	.992
9	**Stand_Area**	-.032(i)	-4.138	.000	-.035	.976
	StandValue	.026(i)	3.334	.001	.028	.986
	MAE	-.034(i)	-2.561	.010	-.021	.333
	FormalHousing	.041(i)	2.307	.021	.019	.185
	AveHousholdsize	.012(i)	.918	.359	.008	.327
	WaterborneSanitation	.024(i)	1.581	.114	.013	.251
	Ln(Stand Value)	.026(i)	3.348	.001	.028	.986
10	**StandValue**	.025(j)	3.302	.001	.028	.986
	MAE	-.036(j)	-2.707	.007	-.023	.332
	FormalHousing	.042(j)	2.343	.019	.020	.185

	AveHousholdsize	.014(j)	1.045	.296	.009	.327
	WaterborneSanitation	.022(j)	1.472	.141	.012	.251
	Ln(Stand Value)	.025(j)	3.318	.001	.028	.986
11	**StandValue**	-.073(k)	-.362	.717	-.003	.001
	MAE	-.036(k)	-2.722	.007	-.023	.332
	FormalHousing	.041(k)	2.293	.022	.019	.185
	AveHousholdsize	.014(k)	1.054	.292	.009	.327
	WaterborneSanitation	.022(k)	1.433	.152	.012	.251
12	**StandValue**	-.083(l)	-.412	.680	-.003	.001
	FormalHousing	.045(l)	2.536	.011	.021	.183
	AveHousholdsize	.017(l)	1.265	.206	.011	.325
	WaterborneSanitation	.026(l)	1.690	.091	.014	.249
13	**StandValue**	-.081(m)	-.403	.687	-.003	.001
	AveHousholdsize	.013(m)	.928	.353	.008	.319
	WaterborneSanitation	.003(m)	.152	.879	.001	.154

a Predictors in the Model: (Constant), Geographic Location

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

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

d Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific

e Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific

f Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome

g Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed

h Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection

i Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize

j Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize, Stand_Area

k Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize, Stand_Area, Ln(Stand Value)

l Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize, Stand_Area, Ln(Stand Value), MAE

m Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), MAP, AveMaxTempSpecific, AveMinTempSpecific, AveIncome, unemployed, house_waterconnection, AveHouseSize, Stand_Area, Ln(Stand Value), MAE, FormalHousing

n Dependent Variable: LN(Water Demand)

Single Variable Regression

Variables Entered/Removed(a)

Geographic Location	Model	Variables Entered	Variables Removed	Method

Inland	**1**	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
Coastal	**1**	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: LN(Water Demand)				

Model Summary

Geographic Location	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Inland	**1**	.205(a)	.042	.042	.56532
Coastal	**1**	.292(a)	.085	.085	.56300
a Predictors: (Constant), LN(Stand Area)					

ANOVA(b)

Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	162.306	1	162.306	507.865	.000(a)
		Residual	3711.338	11613	.320		
		Total	3873.644	11614			
Coastal	**1**	**Regression**	121.378	1	121.378	382.929	.000(a)
		Residual	1302.126	4108	.317		
		Total	1423.504	4109			
a Predictors: (Constant), LN(Stand Area)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)

Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
			B	Std. Error	Beta		
Inland	**1**	**(Constant)**	-.240	.054		-4.468	.000
		LN(Stand Area)	.161	.007	.205	22.536	.000
Coastal	**1**	**(Constant)**	-1.192	.086		-13.782	.000
		LN(Stand Area)	.239	.012	.292	19.569	.000
a Dependent Variable: LN(Water Demand)							

Regression

Variables Entered/Removed(b)

Geographic Location	Model	Variables Entered	Variables Removed	Method
Inland	**1**	Ln(Stand Value)(a)	.	Enter
Coastal	**1**	Ln(Stand Value)(a)	.	Enter

a All requested variables entered.
b Dependent Variable: LN(Water Demand)

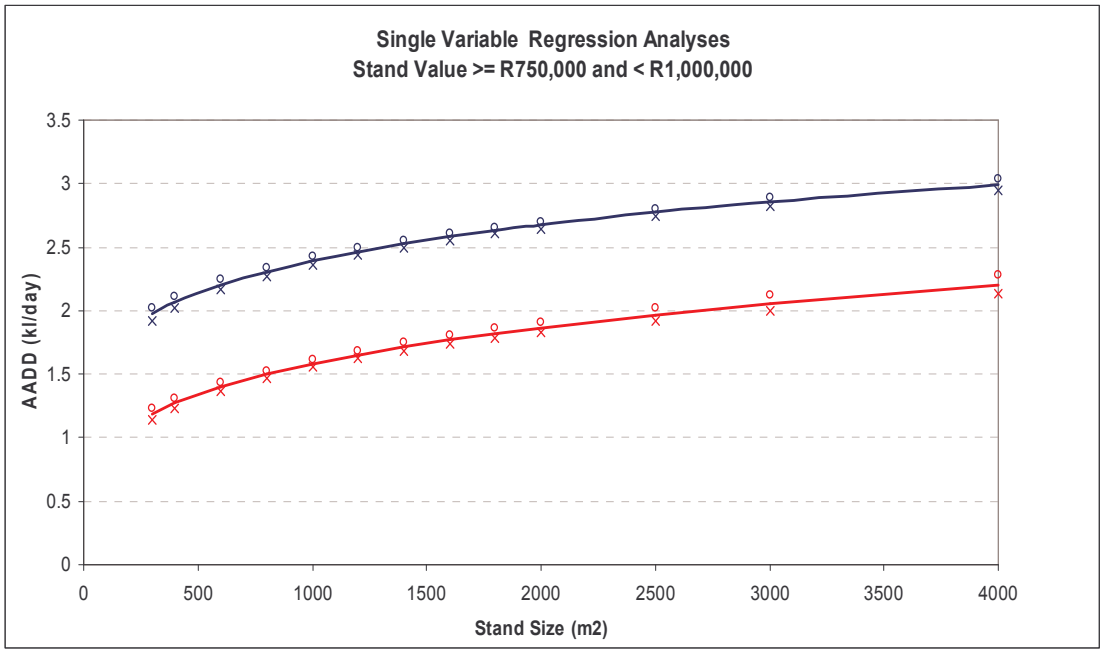
Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.059(a)	.004	.003	.57650
Coastal	**1**	.004(a)	.000	.000	.59660
a Predictors: (Constant), Ln(Stand Value)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	13.596	1	13.596	40.908	.000(a)
		Residual	3863.275	11624	.332		
		Total	3876.871	11625			
Coastal	**1**	**Regression**	.020	1	.020	.056	.814(a)
		Residual	1467.873	4124	.356		
		Total	1467.893	4125			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-4.775	.898		-5.320	.000
		Ln(Stand Value)	.421	.066	.059	6.396	.000
Coastal	**1**	**(Constant)**	.133	1.534		.087	.931
		Ln(Stand Value)	.027	.112	.004	.236	.814
a Dependent Variable: LN(Water Demand)							

Descriptive Statistics						
Geographic Location		**N**	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Inland	**LN(Water Demand)**	11626	-.69	6.19	.9653	.57749
	LN(Stand Area)	11615	5.09	12.65	7.4725	.73257
	Ln(Stand Value)	11626	13.53	13.82	13.6509	.08133
	Valid N (listwise)	11615				
Coastal	**LN(Water Demand)**	4126	-.69	4.29	.4953	.59653
	LN(Stand Area)	4110	4.98	20.04	7.0341	.71818
	Ln(Stand Value)	4126	13.53	13.82	13.6470	.08264
	Valid N (listwise)	4110				

Graphs


Single Variable Regression Analyses
Stand Value >= R750,000 and < R1,000,000
AADD (kl/day)
3.5
3
2.5
2
1.5
1
0.5
0
0
500
1000
1500
2000
2500
3000
3500
4000
Stand Size (m2)

User Category: RESVAL 2 000 000:

Stands Value >=R 1 000 000 and < R 2 000 000

Multi Variable Regression

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	9592	.00	1829917.00	3830.1431	24930.07566
SumOfAv_Day_Demand	9592	.00	1246.49	3.1317	14.15478
StandValue	9592	1000000.00	1998000.00	1284251.7728	251944.90779
Valid N (listwise)	9592				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	Geographic Location	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	AveMinTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	unemployed	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	AveIncome	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	house_waterconnection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	StandValue	.	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	MAE	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
10	AveHouseSize	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
11	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
12	MAP	.	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	.282(a)	.080	.079	.67294
2	.344(b)	.118	.118	.65873
3	.375(c)	.141	.141	.65022
4	.383(d)	.147	.147	.64796
5	.401(e)	.161	.160	.64278
6	.412(f)	.169	.169	.63946
7	.419(g)	.176	.175	.63710
8	.425(h)	.181	.180	.63503
9	.430(i)	.185	.184	.63355
10	.431(j)	.186	.185	.63329
11	.432(k)	.186	.185	.63307
12	.432(l)	.187	.186	.63291

a Predictors: (Constant), Geographic Location

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

c Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific

d Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed

e Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome

f Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection

g Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue

h Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area

i Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area, MAE

j Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area, MAE, AveHouseSize

k Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area, MAE, AveHouseSize, Ln(Stand Value)

l Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area, MAE, AveHouseSize, Ln(Stand Value), MAP

ANOVA(m)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	**Regression**	340.805	1	340.805	752.577	.000(a)
	Residual	3941.157	8703	.453		
	Total	4281.962	8704			
2	**Regression**	505.997	2	252.999	583.055	.000(b)
	Residual	3775.964	8702	.434		
	Total	4281.962	8704			
3	**Regression**	603.348	3	201.116	475.699	.000(c)
	Residual	3678.613	8701	.423		
	Total	4281.962	8704			

4	**Regression**	629.228	4	157.307	374.670	.000(d)
	Residual	3652.734	8700	.420		
	Total	4281.962	8704			
5	**Regression**	687.868	5	137.574	332.978	.000(e)
	Residual	3594.093	8699	.413		
	Total	4281.962	8704			
6	**Regression**	725.256	6	120.876	295.605	.000(f)
	Residual	3556.705	8698	.409		
	Total	4281.962	8704			
7	**Regression**	751.890	7	107.413	264.632	.000(g)
	Residual	3530.071	8697	.406		
	Total	4281.962	8704			
8	**Regression**	775.219	8	96.902	240.298	.000(h)
	Residual	3506.743	8696	.403		
	Total	4281.962	8704			
9	**Regression**	791.954	9	87.995	219.230	.000(i)
	Residual	3490.008	8695	.401		
	Total	4281.962	8704			
10	**Regression**	795.176	10	79.518	198.270	.000(j)
	Residual	3486.786	8694	.401		
	Total	4281.962	8704			
11	**Regression**	797.975	11	72.543	181.005	.000(k)
	Residual	3483.986	8693	.401		
	Total	4281.962	8704			
12	**Regression**	800.132	12	66.678	166.453	.000(l)
	Residual	3481.830	8692	.401		
	Total	4281.962	8704			

a Predictors: (Constant), Geographic Location

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

c Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific

d Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed

e Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome

f Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection

g Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue

h Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area

i Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area, MAE

j Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area, MAE, AveHouseSize

k Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed,

AveIncome, house_waterconnection, StandValue, Stand_Area, MAE, AveHouseSize, Ln(Stand Value)
l Predictors: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area, MAE, AveHouseSize, Ln(Stand Value), MAP
m Dependent Variable: LN(Water Demand)

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	1.53444024	.022		70.203	.000
	Geographic Location	-.44570302	.016	-.282	-27.433	.000
2	(Constant)	.22732693	.070		3.232	.001
	Geographic Location	-.37353461	.016	-.236	-22.877	.000
	LN(Stand Area)	.16214360	.008	.202	19.511	.000
3	(Constant)	.77523582	.078		9.908	.000
	Geographic Location	-.30172568	.017	-.191	-17.962	.000
	LN(Stand Area)	.14091704	.008	.175	16.935	.000
	AveMinTempSpecific	-.04491747	.003	-.161	-15.174	.000
4	(Constant)	.68222849	.079		8.650	.000
	Geographic Location	-.34856815	.018	-.221	-19.615	.000
	LN(Stand Area)	.14182425	.008	.176	17.101	.000
	AveMinTempSpecific	-.03681442	.003	-.132	-11.780	.000
	unemployed	.56001438	.071	.085	7.851	.000
5	(Constant)	.08681040	.093		.935	.350
	Geographic Location	-.22268241	.021	-.141	-10.835	.000
	LN(Stand Area)	.13962084	.008	.174	16.967	.000
	AveMinTempSpecific	-.03323777	.003	-.119	-10.671	.000
	unemployed	1.43636546	.102	.218	14.073	.000
	AveIncome	.00000183	.000	.207	11.914	.000
6	(Constant)	-.51635109	.112		-4.617	.000
	Geographic Location	-.24539537	.021	-.155	-11.921	.000
	LN(Stand Area)	.14023333	.008	.174	17.129	.000
	AveMinTempSpecific	-.02949711	.003	-.106	-9.445	.000
	unemployed	2.28058250	.135	.346	16.949	.000
	AveIncome	.00000174	.000	.197	11.372	.000

	house_waterconnection	.66257287	.069	.160	9.562	.000
7	**(Constant)**	-.82198776	.118		-6.987	.000
	Geographic Location	-.25577266	.021	-.162	-12.447	.000
	LN(Stand Area)	.13521201	.008	.168	16.530	.000
	AveMinTempSpecific	-.02787734	.003	-.100	-8.941	.000
	unemployed	2.37032955	.135	.360	17.621	.000
	AveIncome	.00000184	.000	.208	11.995	.000
	house_waterconnection	.69474912	.069	.168	10.047	.000
	StandValue	.00000023	.000	.080	8.100	.000
8	**(Constant)**	-1.10366522	.123		-8.975	.000
	Geographic Location	-.24932589	.020	-.158	-12.163	.000
	LN(Stand Area)	.17428925	.010	.217	18.085	.000
	AveMinTempSpecific	-.02782483	.003	-.100	-8.953	.000
	unemployed	2.39119690	.134	.363	17.830	.000
	AveIncome	.00000178	.000	.202	11.664	.000
	house_waterconnection	.70240459	.069	.169	10.190	.000
	StandValue	.00000023	.000	.081	8.200	.000
	Stand_Area	-.00000681	.000	-.088	-7.606	.000
9	**(Constant)**	-.31451550	.173		-1.816	.069
	Geographic Location	-.36923573	.028	-.234	-13.366	.000
	LN(Stand Area)	.17276719	.010	.215	17.964	.000
	AveMinTempSpecific	-.03676586	.003	-.132	-10.827	.000
	unemployed	2.38401904	.134	.362	17.818	.000
	AveIncome	.00000176	.000	.199	11.513	.000
	house_waterconnection	.71100408	.069	.171	10.337	.000
	StandValue	.00000022	.000	.080	8.127	.000
	Stand_Area	-.00000701	.000	-.091	-7.848	.000
	MAE	-.00026315	.000	-.109	-6.457	.000
10	**(Constant)**	-.03495734	.199		-.175	.861
	Geographic Location	-.37656813	.028	-.238	-13.578	.000
	LN(Stand Area)	.17205356	.010	.214	17.891	.000
	AveMinTempSpecific	-.03991187	.004	-.143	-11.176	.000
	unemployed	2.20803730	.147	.335	14.974	.000
	AveIncome	.00000189	.000	.214	11.836	.000
	house_waterconnection	.72966875	.069	.176	10.564	.000
	StandValue	.00000023	.000	.080	8.163	.000
	Stand_Area	-.00000691	.000	-.089	-7.732	.000
	MAE	-.00029484	.000	-.123	-6.980	.000

	AveHouseSize	-.04120242	.015	-.050	-2.834	.005
11	**(Constant)**	14.11398726	5.357		2.635	.008
	Geographic Location	-.37650782	.028	-.238	-13.580	.000
	LN(Stand Area)	.17135777	.010	.213	17.818	.000
	AveMinTempSpecific	-.03968733	.004	-.143	-11.113	.000
	unemployed	2.22038008	.147	.337	15.056	.000
	AveIncome	.00000189	.000	.214	11.798	.000
	house_waterconnection	.72553808	.069	.175	10.505	.000
	StandValue	.00000102	.000	.361	3.383	.001
	Stand_Area	-.00000691	.000	-.089	-7.732	.000
	MAE	-.00029279	.000	-.122	-6.932	.000
	AveHouseSize	-.03900442	.015	-.047	-2.680	.007
	Ln(Stand Value)	-1.08009111	.409	-.282	-2.643	.008
12	**(Constant)**	14.68892337	5.361		2.740	.006
	Geographic Location	-.40205937	.030	-.254	-13.480	.000
	LN(Stand Area)	.17349818	.010	.216	17.962	.000
	AveMinTempSpecific	-.04348934	.004	-.156	-11.071	.000
	unemployed	2.10130953	.156	.319	13.460	.000
	AveIncome	.00000190	.000	.215	11.891	.000
	house_waterconnection	.69067161	.071	.167	9.774	.000
	StandValue	.00000103	.000	.367	3.437	.001
	Stand_Area	-.00000699	.000	-.090	-7.821	.000
	MAE	-.00030495	.000	-.127	-7.167	.000
	AveHouseSize	-.04972592	.015	-.060	-3.257	.001
	Ln(Stand Value)	-1.10103852	.409	-.287	-2.694	.007
	MAP	-.00019588	.000	-.031	-2.320	.020

a Dependent Variable: LN(Water Demand)

Excluded Variables(m)

Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**Stand_Area**	.048(a)	4.688	.000	.050	.999
	StandValue	.088(a)	8.549	.000	.091	.992
	MAP	.045(a)	3.604	.000	.039	.685
	AveMaxTempSpecific	-.185(a)	-16.689	.000	-.176	.832
	AveMinTempSpecific	-.192(a)	-17.988	.000	-.189	.898
	MAE	.019(a)	1.197	.231	.013	.401
	unemployed	.136(a)	12.908	.000	.137	.941
	FormalHousing	-.068(a)	-6.308	.000	-.067	.911

	AveHousholdsize	.013(a)	1.142	.254	.012	.773
	AveHouseSize	-.057(a)	-5.286	.000	-.057	.923
	AveIncome	-.004(a)	-.302	.763	-.003	.684
	house_waterconnection	-.035(a)	-3.376	.001	-.036	.972
	WaterborneSanitation	-.050(a)	-4.673	.000	-.050	.906
	LN(Stand Area)	.202(a)	19.511	.000	.205	.949
	Ln(Stand Value)	.085(a)	8.229	.000	.088	.992
2	**Stand_Area**	-.082(b)	-6.840	.000	-.073	.708
	StandValue	.072(b)	7.106	.000	.076	.985
	MAP	.012(b)	1.017	.309	.011	.672
	AveMaxTempSpecific	-.157(b)	-14.242	.000	-.151	.814
	AveMinTempSpecific	-.161(b)	-15.174	.000	-.161	.873
	MAE	.012(b)	.748	.455	.008	.401
	unemployed	.127(b)	12.342	.000	.131	.939
	FormalHousing	-.063(b)	-5.953	.000	-.064	.911
	AveHousholdsize	.015(b)	1.333	.183	.014	.773
	AveHouseSize	-.057(b)	-5.474	.000	-.059	.923
	AveIncome	-.003(b)	-.215	.830	-.002	.684
	house_waterconnection	-.030(b)	-2.957	.003	-.032	.972
	WaterborneSanitation	-.054(b)	-5.110	.000	-.055	.906
	Ln(Stand Value)	.069(b)	6.842	.000	.073	.985
3	**Stand_Area**	-.085(c)	-7.228	.000	-.077	.708
	StandValue	.064(c)	6.418	.000	.069	.982
	MAP	-.051(c)	-3.972	.000	-.043	.605
	AveMaxTempSpecific	-.058(c)	-2.907	.004	-.031	.247
	MAE	-.110(c)	-6.360	.000	-.068	.328
	unemployed	.085(c)	7.851	.000	.084	.837
	FormalHousing	-.037(c)	-3.511	.000	-.038	.885
	AveHousholdsize	.004(c)	.348	.728	.004	.769
	AveHouseSize	-.042(c)	-4.081	.000	-.044	.914
	AveIncome	.031(c)	2.527	.012	.027	.662
	house_waterconnection	-.001(c)	-.113	.910	-.001	.937
	WaterborneSanitation	-.030(c)	-2.881	.004	-.031	.885
	Ln(Stand Value)	.061(c)	6.147	.000	.066	.983
4	**Stand_Area**	-.092(d)	-7.817	.000	-.084	.705
	StandValue	.064(d)	6.464	.000	.069	.982
	MAP	-.044(d)	-3.480	.001	-.037	.602
	AveMaxTempSpecific	-.062(d)	-3.099	.002	-.033	.247
	MAE	-.108(d)	-6.259	.000	-.067	.328
	FormalHousing	.094(d)	5.118	.000	.055	.289
	AveHousholdsize	-.045(d)	-3.584	.000	-.038	.613
	AveHouseSize	.052(d)	3.161	.002	.034	.365

	AveIncome	.207(d)	11.914	.000	.127	.318
	house_waterconnection	.171(d)	10.198	.000	.109	.343
	WaterborneSanitation	.070(d)	4.431	.000	.047	.394
	Ln(Stand Value)	.061(d)	6.165	.000	.066	.983
5	**Stand_Area**	-.086(e)	-7.324	.000	-.078	.703
	StandValue	.074(e)	7.493	.000	.080	.976
	MAP	-.035(e)	-2.767	.006	-.030	.600
	AveMaxTempSpecific	-.069(e)	-3.515	.000	-.038	.247
	MAE	-.103(e)	-6.033	.000	-.065	.327
	FormalHousing	.115(e)	6.296	.000	.067	.287
	AveHousholdsize	-.033(e)	-2.597	.009	-.028	.608
	AveHouseSize	-.007(e)	-.412	.681	-.004	.332
	house_waterconnection	.160(e)	9.562	.000	.102	.342
	WaterborneSanitation	.069(e)	4.425	.000	.047	.394
	Ln(Stand Value)	.071(e)	7.185	.000	.077	.977
6	**Stand_Area**	-.087(f)	-7.498	.000	-.080	.703
	StandValue	.080(f)	8.100	.000	.087	.973
	MAP	-.007(f)	-.574	.566	-.006	.568
	AveMaxTempSpecific	-.072(f)	-3.681	.000	-.039	.247
	MAE	-.107(f)	-6.255	.000	-.067	.327
	FormalHousing	-.014(f)	-.538	.590	-.006	.146
	AveHousholdsize	-.015(f)	-1.208	.227	-.013	.595
	AveHouseSize	-.021(f)	-1.248	.212	-.013	.329
	WaterborneSanitation	-.042(f)	-2.080	.038	-.022	.236
	Ln(Stand Value)	.077(f)	7.803	.000	.083	.973
7	**Stand_Area**	-.088(g)	-7.606	.000	-.081	.703
	MAP	-.008(g)	-.654	.513	-.007	.568
	AveMaxTempSpecific	-.064(g)	-3.238	.001	-.035	.246
	MAE	-.105(g)	-6.161	.000	-.066	.327
	FormalHousing	-.010(g)	-.407	.684	-.004	.146
	AveHousholdsize	-.016(g)	-1.270	.204	-.014	.595
	AveHouseSize	-.023(g)	-1.378	.168	-.015	.329
	WaterborneSanitation	-.038(g)	-1.921	.055	-.021	.236
	Ln(Stand Value)	-.303(g)	-2.830	.005	-.030	.008
8	**MAP**	-.013(h)	-1.031	.302	-.011	.566
	AveMaxTempSpecific	-.054(h)	-2.752	.006	-.029	.245
	MAE	-.109(h)	-6.457	.000	-.069	.327
	FormalHousing	-.009(h)	-.366	.714	-.004	.146
	AveHousholdsize	-.011(h)	-.867	.386	-.009	.593
	AveHouseSize	-.017(h)	-1.020	.308	-.011	.328
	WaterborneSanitation	-.041(h)	-2.070	.039	-.022	.236
	Ln(Stand Value)	-.301(h)	-2.815	.005	-.030	.008

9	**MAP**	-.017(i)	-1.290	.197	-.014	.565
	AveMaxTempSpecific	-.023(i)	-1.124	.261	-.012	.229
	FormalHousing	.008(i)	.309	.757	.003	.144
	AveHousholdsize	-.019(i)	-1.470	.142	-.016	.588
	AveHouseSize	-.050(i)	-2.834	.005	-.030	.305
	WaterborneSanitation	-.032(i)	-1.607	.108	-.017	.235
	Ln(Stand Value)	-.298(i)	-2.800	.005	-.030	.008
10	**MAP**	-.031(j)	-2.260	.024	-.024	.513
	AveMaxTempSpecific	.000(j)	.010	.992	.000	.192
	FormalHousing	.035(j)	1.305	.192	.014	.129
	AveHousholdsize	.007(j)	.441	.659	.005	.348
	WaterborneSanitation	-.015(j)	-.701	.484	-.008	.209
	Ln(Stand Value)	-.282(j)	-2.643	.008	-.028	.008
11	**MAP**	-.031(k)	-2.320	.020	-.025	.513
	AveMaxTempSpecific	-.001(k)	-.031	.975	.000	.192
	FormalHousing	.035(k)	1.291	.197	.014	.129
	AveHousholdsize	.007(k)	.452	.652	.005	.348
	WaterborneSanitation	-.016(k)	-.753	.451	-.008	.209
12	**AveMaxTempSpecific**	-.023(l)	-.952	.341	-.010	.166
	FormalHousing	.030(l)	1.102	.271	.012	.128
	AveHousholdsize	.008(l)	.487	.626	.005	.348
	WaterborneSanitation	-.015(l)	-.690	.490	-.007	.208

a Predictors in the Model: (Constant), Geographic Location

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

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

d Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed

e Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome

f Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection

g Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue

h Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area

i Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area, MAE

j Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area, MAE, AveHouseSize

k Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area, MAE, AveHouseSize, Ln(Stand Value)

l Predictors in the Model: (Constant), Geographic Location, LN(Stand Area), AveMinTempSpecific, unemployed, AveIncome, house_waterconnection, StandValue, Stand_Area, MAE, AveHouseSize, Ln(Stand Value), MAP

m Dependent Variable: LN(Water Demand)

Regression

Variables Entered/Removed(a)				
Geographic Location	**Model**	**Variables Entered**	**Variables Removed**	**Method**
Inland	**1**	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
Coastal	**1**	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: LN(Water Demand)				

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.130(a)	.017	.017	.67568
Coastal	**1**	.318(a)	.101	.101	.64778
a Predictors: (Constant), LN(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	52.552	1	52.552	115.111	.000(a)
		Residual	3051.493	6684	.457		
		Total	3104.046	6685			
Coastal	**1**	**Regression**	134.526	1	134.526	320.585	.000(a)
		Residual	1197.610	2854	.420		
		Total	1332.135	2855			
a Predictors: (Constant), LN(Stand Area)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	.315	.071		4.408	.000
		LN(Stand Area)	.099	.009	.130	10.729	.000
Coastal	**1**	**(Constant)**	-1.146	.100		-11.408	.000
		LN(Stand Area)	.249	.014	.318	17.905	.000
a Dependent Variable: LN(Water Demand)							

Single Variable Regression

Variables Entered/Removed(a)

Geographic Location	Model	Variables Entered	Variables Removed	Method
Inland	**1**	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
Coastal	**1**	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).

a Dependent Variable: LN(Water Demand)

Model Summary

Geographic Location	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Inland	**1**	.053(a)	.003	.003	.68127
Coastal	**1**	.134(a)	.018	.018	.69192

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

ANOVA(b)

Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	8.624	1	8.624	18.580	.000(a)
		Residual	3110.139	6701	.464		
		Total	3118.762	6702			
Coastal	**1**	**Regression**	25.310	1	25.310	52.867	.000(a)
		Residual	1382.173	2887	.479		
		Total	1407.484	2888			

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

b Dependent Variable: LN(Water Demand)

Coefficients(a)

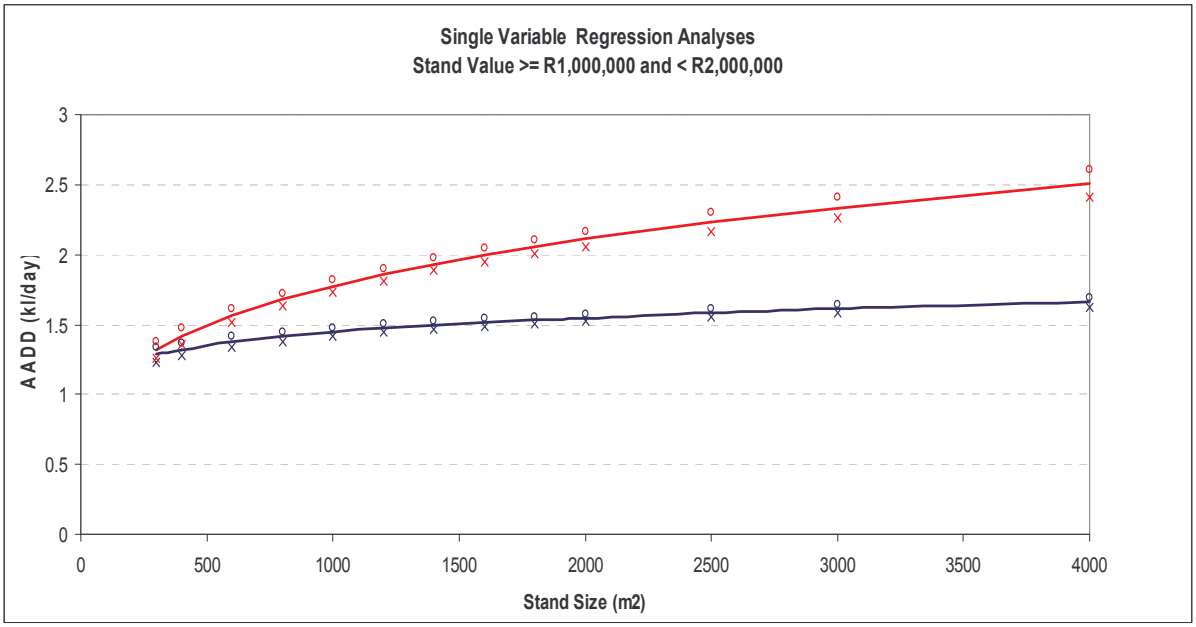
Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
			B	Std. Error	Beta		
Inland	**1**	**(Constant)**	-1.684	.640		-2.632	.009
		Ln(Stand Value)	.196	.046	.053	4.310	.000
Coastal	**1**	**(Constant)**	-6.330	.960		-6.597	.000
		Ln(Stand Value)	.496	.068	.134	7.271	.000

a Dependent Variable: LN(Water Demand)

Descriptive Statistics

Geographic Location		N	Minimum	Maximum	Mean	Std. Deviation
Inland	LN(Water Demand)	6703	-.69	7.13	1.0741	.68216
	LN(Stand Area)	6686	5.46	13.44	7.6670	.89369
	Ln(Stand Value)	6703	13.82	14.51	14.0393	.18257
	Valid N (listwise)	6686				
Coastal	LN(Water Demand)	2889	-.69	3.92	.6463	.69811
	LN(Stand Area)	2856	4.89	14.42	7.1741	.87185
	Ln(Stand Value)	2889	13.82	14.51	14.0679	.18878
	Valid N (listwise)	2856				

Graphs



User Category: RESVAL 3 000 000:

Stands Value >=R 2 000 000 and < R 3 000 000

Multi Variable Regression

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	1645	.00	6680937.00	24714.8815	248294.50585
SumOfAv_Day_Demand	1645	.00	102.03	4.0161	7.75498
StandValue	1645	2000000.00	2995170.00	2483599.5702	320990.98939
Valid N (listwise)	1645				

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	1629	81.00	6680937.00	24957.6304	249499.49472
SumOfAv_Day_Demand	1645	.00	102.03	4.0161	7.75498
StandValue	1645	2000000.00	2995170.00	2483599.5702	320990.98939
Valid N (listwise)	1629				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	AveMinTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	house_waterconnection	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	AveMaxTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	MAP	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	WaterborneSanitation	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	AveIncome	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	MAE	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
8	AveHouseSize	.	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).
a Dependent Variable: LN(Water Demand)			

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.512(a)	.262	.261	.91342
2	.598(b)	.357	.356	.85243
3	.624(c)	.390	.388	.83115
4	.653(d)	.426	.424	.80612
5	.671(e)	.450	.448	.78956
6	.681(f)	.464	.462	.77946
7	.687(g)	.472	.469	.77440
8	.689(h)	.474	.471	.77289
9	.690(i)	.476	.472	.77184
a Predictors: (Constant), AveMinTempSpecific				
b Predictors: (Constant), AveMinTempSpecific, house_waterconnection				
c Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific				
d Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP				
e Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation				
f Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation, AveIncome				
g Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation, AveIncome, MAE				
h Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation, AveIncome, MAE, AveHouseSize				
i Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation, AveIncome, MAE, AveHouseSize, Stand_Area				

ANOVA(j)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	379.917	1	379.917	455.349	.000(a)
	Residual	1072.132	1285	.834		
	Total	1452.049	1286			
2	**Regression**	519.041	2	259.520	357.150	.000(b)
	Residual	933.008	1284	.727		
	Total	1452.049	1286			
3	**Regression**	565.741	3	188.580	272.985	.000(c)
	Residual	886.308	1283	.691		
	Total	1452.049	1286			
4	**Regression**	618.963	4	154.741	238.124	.000(d)
	Residual	833.086	1282	.650		
	Total	1452.049	1286			
5	**Regression**	653.460	5	130.692	209.640	.000(e)
	Residual	798.589	1281	.623		
	Total	1452.049	1286			

6	**Regression**	674.384	6	112.397	185.001	.000(f)
	Residual	777.664	1280	.608		
	Total	1452.049	1286			
7	**Regression**	685.043	7	97.863	163.189	.000(g)
	Residual	767.006	1279	.600		
	Total	1452.049	1286			
8	**Regression**	688.617	8	86.077	144.095	.000(h)
	Residual	763.432	1278	.597		
	Total	1452.049	1286			
9	**Regression**	691.299	9	76.811	128.935	.000(i)
	Residual	760.750	1277	.596		
	Total	1452.049	1286			

a Predictors: (Constant), AveMinTempSpecific

b Predictors: (Constant), AveMinTempSpecific, house_waterconnection

c Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific

d Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP

e Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation

f Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation, AveIncome

g Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation, AveIncome, MAE

h Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation, AveIncome, MAE, AveHouseSize

i Predictors: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation, AveIncome, MAE, AveHouseSize, Stand_Area

j Dependent Variable: LN(Water Demand)

Coefficients(a)

Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
		B	**Std. Error**	**Beta**		
1	**(Constant)**	2.89021859	.094		30.828	.000
	AveMinTempSpecific	-.17170099	.008	-.512	-21.339	.000
2	**(Constant)**	1.77741212	.119		14.956	.000
	AveMinTempSpecific	-.15360624	.008	-.458	-20.153	.000
	house_waterconnection	1.37999322	.100	.314	13.837	.000
3	**(Constant)**	1.40787092	.124		11.328	.000
	AveMinTempSpecific	-.21024897	.010	-.626	-20.747	.000
	house_waterconnection	1.11069190	.103	.253	10.824	.000
	AveMaxTempSpecific	.05456731	.007	.247	8.222	.000

4	**(Constant)**	.05545409	.192		.289	.773
	AveMinTempSpecific	-.18540800	.010	-.552	-18.169	.000
	house_waterconnection	1.01669473	.100	.231	10.161	.000
	AveMaxTempSpecific	.06134984	.006	.277	9.467	.000
	MAP	.00157168	.000	.216	9.050	.000
5	**(Constant)**	1.33770414	.255		5.244	.000
	AveMinTempSpecific	-.20181820	.010	-.601	-19.717	.000
	house_waterconnection	1.46318736	.115	.333	12.732	.000
	AveMaxTempSpecific	.08098148	.007	.366	11.781	.000
	MAP	.00135510	.000	.187	7.852	.000
	WaterborneSanitation	-1.85385314	.249	-.208	-7.439	.000
6	**(Constant)**	1.09773205	.255		4.303	.000
	AveMinTempSpecific	-.22284461	.011	-.664	-20.786	.000
	house_waterconnection	1.87832472	.134	.428	14.049	.000
	AveMaxTempSpecific	.09806977	.007	.443	13.281	.000
	MAP	.00150695	.000	.207	8.745	.000
	WaterborneSanitation	-1.81947202	.246	-.205	-7.393	.000
	AveIncome	-.00000245	.000	-.181	-5.869	.000
7	**(Constant)**	1.91522500	.319		6.001	.000
	AveMinTempSpecific	-.26876240	.015	-.801	-17.642	.000
	house_waterconnection	1.78038717	.135	.405	13.203	.000
	AveMaxTempSpecific	.12356129	.010	.559	12.997	.000
	MAP	.00152990	.000	.211	8.932	.000
	WaterborneSanitation	-1.62972051	.249	-.183	-6.556	.000
	AveIncome	-.00000194	.000	-.143	-4.477	.000
	MAE	-.00055309	.000	-.159	-4.216	.000
8	**(Constant)**	1.36180851	.391		3.485	.001
	AveMinTempSpecific	-.25371604	.016	-.756	-15.469	.000
	house_waterconnection	1.61321130	.151	.367	10.687	.000
	AveMaxTempSpecific	.11707167	.010	.529	11.882	.000
	MAP	.00180638	.000	.249	8.814	.000
	WaterborneSanitation	-1.57196401	.249	-.177	-6.307	.000
	AveIncome	-.00000253	.000	-.187	-5.109	.000
	MAE	-.00054939	.000	-.158	-4.196	.000
	AveHouseSize	.11104591	.045	.102	2.446	.015
9	**(Constant)**	1.48376563	.394		3.762	.000
	AveMinTempSpecific	-.25720451	.016	-.766	-15.624	.000
	house_waterconnection	1.59243837	.151	.363	10.542	.000

	AveMaxTempSpecific	.11778909	.010	.532	11.964	.000
	MAP	.00174800	.000	.241	8.464	.000
	WaterborneSanitation	-1.62119403	.250	-.182	-6.485	.000
	AveIncome	-.00000250	.000	-.185	-5.061	.000
	MAE	-.00054500	.000	-.156	-4.167	.000
	AveHouseSize	.11139429	.045	.102	2.457	.014
	Stand_Area	-.00000237	.000	-.044	-2.122	.034
a Dependent Variable: LN(Water Demand)						

Excluded Variables(j)

Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**Stand_Area**	-.090(a)	-3.745	.000	-.104	.987
	StandValue	-.099(a)	-4.081	.000	-.113	.973
	MAP	.214(a)	8.158	.000	.222	.798
	AveMaxTempSpecific	.350(a)	11.800	.000	.313	.589
	MAE	.150(a)	5.735	.000	.158	.815
	unemployed	-.248(a)	-10.791	.000	-.288	.996
	FormalHousing	.316(a)	13.710	.000	.357	.945
	AveHousholdsize	-.118(a)	-4.960	.000	-.137	.992
	AveHouseSize	.220(a)	9.205	.000	.249	.943
	AveIncome	.199(a)	8.314	.000	.226	.954
	house_waterconnection	.314(a)	13.837	.000	.360	.971
	WaterborneSanitation	.098(a)	4.121	.000	.114	1.000
	LN(Stand Area)	-.141(a)	-5.888	.000	-.162	.971
	Ln(Stand Value)	-.093(a)	-3.860	.000	-.107	.975
	Geographic Location	-.089(a)	-3.645	.000	-.101	.958
2	**Stand_Area**	-.050(b)	-2.210	.027	-.062	.970
	StandValue	-.025(b)	-1.085	.278	-.030	.918
	MAP	.190(b)	7.746	.000	.211	.794
	AveMaxTempSpecific	.247(b)	8.222	.000	.224	.529
	MAE	.052(b)	2.012	.044	.056	.742
	unemployed	.047(b)	1.117	.264	.031	.287
	FormalHousing	.160(b)	3.405	.001	.095	.226
	AveHousholdsize	.092(b)	3.371	.001	.094	.660
	AveHouseSize	.012(b)	.400	.689	.011	.520
	AveIncome	-.015(b)	-.500	.617	-.014	.545
	WaterborneSanitation	-.120(b)	-4.410	.000	-.122	.668
	LN(Stand Area)	-.086(b)	-3.725	.000	-.103	.937
	Ln(Stand Value)	-.023(b)	-.983	.326	-.027	.924
	Geographic Location	-.080(b)	-3.521	.000	-.098	.957

3	**Stand_Area**	-.063(c)	-2.825	.005	-.079	.966
	StandValue	-.009(c)	-.392	.695	-.011	.911
	MAP	.216(c)	9.050	.000	.245	.783
	MAE	-.233(c)	-6.218	.000	-.171	.328
	unemployed	.121(c)	2.915	.004	.081	.275
	FormalHousing	.040(c)	.825	.409	.023	.202
	AveHousholdsize	.111(c)	4.136	.000	.115	.656
	AveHouseSize	-.143(c)	-4.143	.000	-.115	.397
	AveIncome	-.140(c)	-4.335	.000	-.120	.452
	WaterborneSanitation	-.246(c)	-8.688	.000	-.236	.563
	LN(Stand Area)	-.159(c)	-6.825	.000	-.187	.845
	Ln(Stand Value)	-.007(c)	-.327	.744	-.009	.918
	Geographic Location	.101(c)	3.194	.001	.089	.475
4	**Stand_Area**	-.035(d)	-1.621	.105	-.045	.946
	StandValue	-.014(d)	-.626	.531	-.018	.910
	MAE	-.248(d)	-6.829	.000	-.187	.328
	unemployed	.094(d)	2.337	.020	.065	.273
	FormalHousing	.161(d)	3.316	.001	.092	.188
	AveHousholdsize	.122(d)	4.707	.000	.130	.654
	AveHouseSize	-.010(d)	-.254	.799	-.007	.319
	AveIncome	-.186(d)	-5.924	.000	-.163	.442
	WaterborneSanitation	-.208(d)	-7.439	.000	-.203	.547
	LN(Stand Area)	-.106(d)	-4.430	.000	-.123	.769
	Ln(Stand Value)	-.011(d)	-.486	.627	-.014	.918
	Geographic Location	.154(d)	4.981	.000	.138	.460
5	**Stand_Area**	-.050(e)	-2.348	.019	-.065	.938
	StandValue	.038(e)	1.690	.091	.047	.827
	MAE	-.206(e)	-5.669	.000	-.157	.317
	unemployed	.128(e)	3.209	.001	.089	.270
	FormalHousing	-.014(e)	-.252	.801	-.007	.144
	AveHousholdsize	.091(e)	3.520	.000	.098	.634
	AveHouseSize	-.030(e)	-.807	.420	-.023	.317
	AveIncome	-.181(e)	-5.869	.000	-.162	.441
	LN(Stand Area)	-.048(e)	-1.900	.058	-.053	.666
	Ln(Stand Value)	.040(e)	1.764	.078	.049	.839
	Geographic Location	.041(e)	1.121	.263	.031	.320
6	**Stand_Area**	-.046(f)	-2.161	.031	-.060	.937
	StandValue	.025(f)	1.093	.275	.031	.818
	MAE	-.159(f)	-4.216	.000	-.117	.292
	unemployed	.029(f)	.665	.506	.019	.215
	FormalHousing	-.002(f)	-.038	.970	-.001	.144
	AveHousholdsize	.065(f)	2.477	.013	.069	.611

	AveHouseSize	.104(f)	2.478	.013	.069	.237
	LN(Stand Area)	-.040(f)	-1.575	.115	-.044	.663
	Ln(Stand Value)	.026(f)	1.171	.242	.033	.830
	Geographic Location	.024(f)	.660	.509	.018	.318
7	**Stand_Area**	-.044(g)	-2.109	.035	-.059	.937
	StandValue	.014(g)	.603	.547	.017	.806
	unemployed	.004(g)	.096	.924	.003	.211
	FormalHousing	.053(g)	.971	.332	.027	.136
	AveHousholdsize	.043(g)	1.603	.109	.045	.581
	AveHouseSize	.102(g)	2.446	.015	.068	.237
	LN(Stand Area)	-.029(g)	-1.143	.253	-.032	.656
	Ln(Stand Value)	.016(g)	.700	.484	.020	.819
	Geographic Location	-.016(g)	-.434	.664	-.012	.297
8	**Stand_Area**	-.044(h)	-2.122	.034	-.059	.937
	StandValue	.021(h)	.931	.352	.026	.792
	unemployed	.104(h)	1.901	.057	.053	.138
	FormalHousing	-.040(h)	-.585	.558	-.016	.089
	AveHousholdsize	.034(h)	1.256	.209	.035	.568
	LN(Stand Area)	-.028(h)	-1.136	.256	-.032	.656
	Ln(Stand Value)	.022(h)	.995	.320	.028	.807
	Geographic Location	-.023(h)	-.608	.543	-.017	.296
9	**StandValue**	.024(i)	1.058	.290	.030	.790
	unemployed	.105(i)	1.925	.055	.054	.138
	FormalHousing	-.056(i)	-.825	.409	-.023	.088
	AveHousholdsize	.030(i)	1.103	.270	.031	.565
	LN(Stand Area)	.000(i)	-.007	.994	.000	.470
	Ln(Stand Value)	.025(i)	1.127	.260	.032	.804
	Geographic Location	-.038(i)	-.993	.321	-.028	.287

a Predictors in the Model: (Constant), AveMinTempSpecific

b Predictors in the Model: (Constant), AveMinTempSpecific, house_waterconnection

c Predictors in the Model: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific

d Predictors in the Model: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP

e Predictors in the Model: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation

f Predictors in the Model: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation, AveIncome

g Predictors in the Model: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation, AveIncome, MAE

h Predictors in the Model: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation, AveIncome, MAE, AveHouseSize

i Predictors in the Model: (Constant), AveMinTempSpecific, house_waterconnection, AveMaxTempSpecific, MAP, WaterborneSanitation, AveIncome, MAE, AveHouseSize, Stand_Area

j Dependent Variable: LN(Water Demand)

Regression

Variables Entered/Removed(a)				
Geographic Location	**Model**	**Variables Entered**	**Variables Removed**	**Method**
Inland	**1**	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
Coastal	**1**	LN(Stand Area)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
a Dependent Variable: LN(Water Demand)				

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.267(a)	.071	.070	1.11529
Coastal	**1**	.262(a)	.069	.068	.87385
a Predictors: (Constant), LN(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	81.759	1	81.759	65.730	.000(a)
		Residual	1063.511	855	1.244		
		Total	1145.270	856			
Coastal	**1**	**Regression**	43.479	1	43.479	56.938	.000(a)
		Residual	587.989	770	.764		
		Total	631.468	771			
a Predictors: (Constant), LN(Stand Area)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	3.970	.352		11.272	.000
		LN(Stand Area)	-.331	.041	-.267	-8.107	.000
Coastal	**1**	**(Constant)**	1.654	.156		10.634	.000
		LN(Stand Area)	-.139	.018	-.262	-7.546	.000
a Dependent Variable: LN(Water Demand)							

Single Variable Regression

Variables Entered/Removed(a)

Geographic Location	Model	Variables Entered	Variables Removed	Method
Inland	**1**	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
Coastal	**1**	Ln(Stand Value)	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).

a Dependent Variable: LN(Water Demand)

Model Summary

Geographic Location	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Inland	**1**	.261(a)	.068	.067	1.11672
Coastal	**1**	.259(a)	.067	.066	.87633

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

ANOVA(b)

Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	78.988	1	78.988	63.339	.000(a)
		Residual	1078.719	865	1.247		
		Total	1157.707	866			
Coastal	**1**	**Regression**	42.867	1	42.867	55.820	.000(a)
		Residual	595.929	776	.768		
		Total	638.795	777			

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

b Dependent Variable: LN(Water Demand)

Coefficients(a)

Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
			B	Std. Error	Beta		
Inland	**1**	**(Constant)**	35.190	4.281		8.220	.000
		Ln(Stand Value)	-2.316	.291	-.261	-7.959	.000
Coastal	**1**	**(Constant)**	27.120	3.562		7.614	.000
		Ln(Stand Value)	-1.808	.242	-.259	-7.471	.000

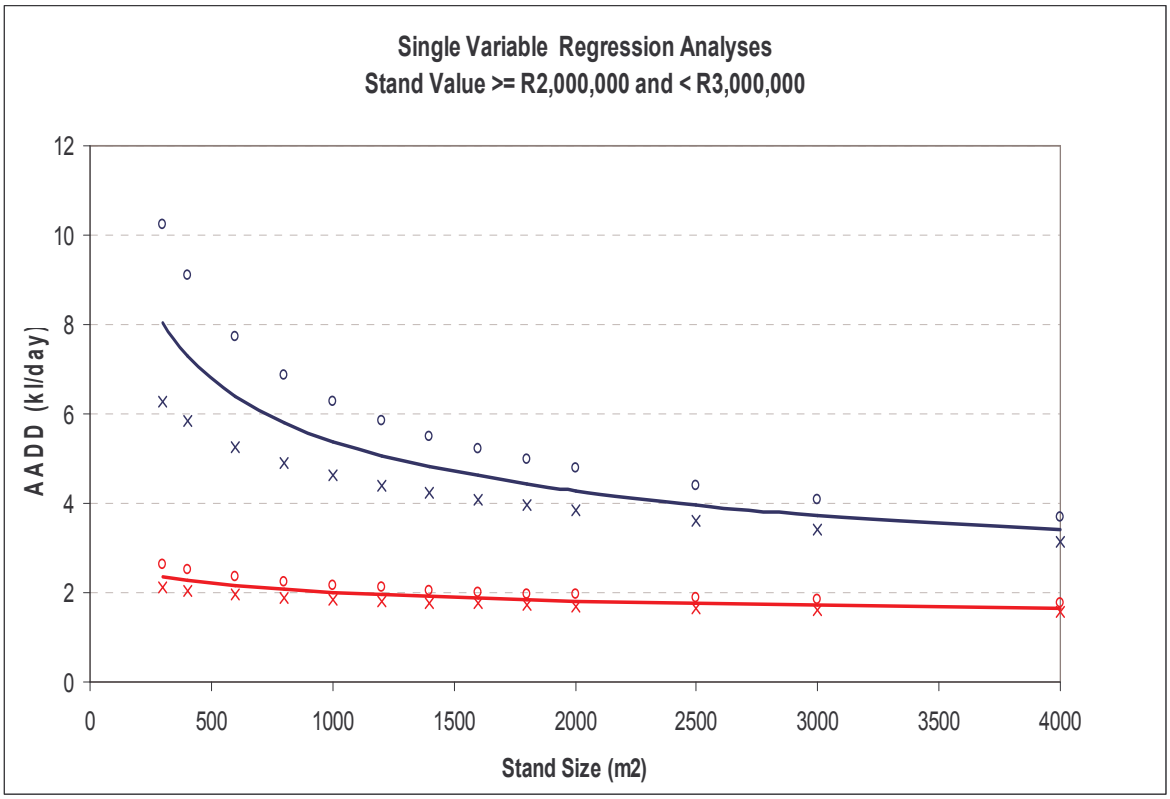
a Dependent Variable: LN(Water Demand)

Descriptive Statistics

Geographic Location		N	Minimum	Maximum	Mean	Std. Deviation
Inland	**LN(Water Demand)**	867	-.68	4.53	1.1208	1.15622
	LN(Stand Area)	857	6.46	13.64	8.5882	.93504
	Ln(Stand Value)	867	14.51	14.91	14.7128	.13042

	Valid N (listwise)	857				
Coastal	**LN(Water Demand)**	778	-.69	4.63	.5097	.90671
	LN(Stand Area)	772	4.39	15.71	8.2777	1.71002
	Ln(Stand Value)	778	14.51	14.91	14.7213	.12994
	Valid N (listwise)	772				

Graphs



User Category: RESVAL 4 000 000:

Stands Value >=R 3 000 000 and < R 4 000 000

Multi Variable Regression

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	586	.00	2762563.00	13018.0324	115989.17702
SumOfAv_Day_Demand	586	.02	156.85	8.0493	14.38121
StandValue	586	3000000.00	3998000.00	3406668.3788	292472.78367
Valid N (listwise)	586				

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	579	474.00	2762563.00	13175.4180	116680.51897
SumOfAv_Day_Demand	586	.02	156.85	8.0493	14.38121
StandValue	586	3000000.00	3998000.00	3406668.3788	292472.78367
Valid N (listwise)	579				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	AveMinTempSpecific	.	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).
a Dependent Variable: LN(Water Demand)			

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.444(a)	.197	.195	.95745
2	.542(b)	.294	.291	.89892
3	.550(c)	.303	.298	.89452
a Predictors: (Constant), AveMinTempSpecific				
b Predictors: (Constant), AveMinTempSpecific, Geographic Location				
c Predictors: (Constant), AveMinTempSpecific, Geographic Location, Stand_Area				

ANOVA(d)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	96.230	1	96.230	104.973	.000(a)
	Residual	391.438	427	.917		
	Total	487.668	428			
2	Regression	143.438	2	71.719	88.756	.000(b)
	Residual	344.229	426	.808		
	Total	487.668	428			
3	Regression	147.595	3	49.198	61.485	.000(c)
	Residual	340.073	425	.800		
	Total	487.668	428			
a Predictors: (Constant), AveMinTempSpecific						
b Predictors: (Constant), AveMinTempSpecific, Geographic Location						
c Predictors: (Constant), AveMinTempSpecific, Geographic Location, Stand_Area						
d Dependent Variable: LN(Water Demand)						

Coefficients(a)						
Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	2.985791507	.128		23.405	.000
	AveMinTempSpecific	-.122904597	.012	-.444	-10.246	.000
2	(Constant)	3.779401840	.159		23.843	.000
	AveMinTempSpecific	-.105239723	.011	-.380	-9.154	.000
	Geographic Location	-.690320990	.090	-.318	-7.643	.000
3	(Constant)	3.812795262	.158		24.068	.000
	AveMinTempSpecific	-.106137216	.011	-.384	-9.271	.000
	Geographic Location	-.700607255	.090	-.322	-7.786	.000
	Stand_Area	-.000000735	.000	-.093	-2.279	.023
a Dependent Variable: LN(Water Demand)						

Excluded Variables(d)						
Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics
						Tolerance
1	Stand_Area	-.077(a)	-1.771	.077	-.086	.998
	StandValue	.034(a)	.771	.441	.037	.996
	MAP	.162(a)	3.136	.002	.150	.694
	AveMaxTempSpecific	.351(a)	6.013	.000	.280	.509
	MAE	.250(a)	5.604	.000	.262	.884
	unemployed	-.055(a)	-1.203	.230	-.058	.894
	FormalHousing	.152(a)	3.548	.000	.169	.999
	AveHousholdsize	-.051(a)	-1.179	.239	-.057	.992
	AveHouseSize	.124(a)	2.870	.004	.138	.990

	AveIncome	.087(a)	2.013	.045	.097	.997
	house_waterconnection	.136(a)	3.170	.002	.152	1.000
	WaterborneSanitation	.210(a)	4.960	.000	.234	.991
	LN(Stand Area)	.138(a)	2.973	.003	.143	.856
	Ln(Stand Value)	.030(a)	.697	.486	.034	.996
	Geographic Location	-.318(a)	-7.643	.000	-.347	.960
2	**Stand_Area**	-.093(b)	-2.279	.023	-.110	.995
	StandValue	.030(b)	.726	.468	.035	.996
	MAP	.084(b)	1.687	.092	.082	.661
	AveMaxTempSpecific	-.005(b)	-.051	.960	-.002	.176
	MAE	-.027(b)	-.389	.697	-.019	.338
	unemployed	.031(b)	.690	.490	.033	.836
	FormalHousing	.014(b)	.299	.765	.014	.794
	AveHousholdsize	.025(b)	.585	.559	.028	.936
	AveHouseSize	-.028(b)	-.595	.552	-.029	.775
	AveIncome	-.048(b)	-1.076	.282	-.052	.831
	house_waterconnection	.042(b)	.987	.324	.048	.901
	WaterborneSanitation	.078(b)	1.675	.095	.081	.762
	LN(Stand Area)	.021(b)	.446	.656	.022	.747
	Ln(Stand Value)	.027(b)	.670	.503	.032	.996
3	**StandValue**	.033(c)	.811	.418	.039	.995
	MAP	.080(c)	1.598	.111	.077	.659
	AveMaxTempSpecific	.002(c)	.020	.984	.001	.175
	MAE	-.027(c)	-.390	.697	-.019	.338
	unemployed	.049(c)	1.091	.276	.053	.812
	FormalHousing	-.011(c)	-.241	.809	-.012	.750
	AveHousholdsize	.028(c)	.657	.512	.032	.935
	AveHouseSize	-.042(c)	-.896	.371	-.043	.763
	AveIncome	-.060(c)	-1.335	.183	-.065	.822
	house_waterconnection	.028(c)	.651	.515	.032	.880
	WaterborneSanitation	.072(c)	1.550	.122	.075	.759
	LN(Stand Area)	.075(c)	1.466	.143	.071	.631
	Ln(Stand Value)	.031(c)	.758	.449	.037	.995

a Predictors in the Model: (Constant), AveMinTempSpecific

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

c Predictors in the Model: (Constant), AveMinTempSpecific, Geographic Location, Stand_Area

d Dependent Variable: LN(Water Demand)

Regression

Variables Entered/Removed(b)

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

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.049(a)	.002	-.001	1.08153
Coastal	**1**	.120(a)	.014	.011	1.02889
a Predictors: (Constant), LN(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	.785	1	.785	.671	.413(a)
		Residual	327.516	280	1.170		
		Total	328.301	281			
Coastal	**1**	**Regression**	4.562	1	4.562	4.310	.039(a)
		Residual	312.290	295	1.059		
		Total	316.852	296			
a Predictors: (Constant), LN(Stand Area)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	2.455	.565		4.347	.000
		LN(Stand Area)	-.054	.065	-.049	-.819	.413
Coastal	**1**	**(Constant)**	.027	.422		.064	.949
		LN(Stand Area)	.109	.052	.120	2.076	.039
a Dependent Variable: LN(Water Demand)							

Single Variable Regression

Variables Entered/Removed(b)

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

Model Summary

Geographic Location	Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
Inland	**1**	.147(a)	.022	.018	1.06938
Coastal	**1**	.087(a)	.008	.004	1.03685
a Predictors: (Constant), Ln(Stand Value)					

ANOVA(b)

Geographic Location	Model		Sum of Squares	df	Mean Square	F	Sig.
Inland	**1**	**Regression**	7.093	1	7.093	6.202	.013(a)
		Residual	321.345	281	1.144		
		Total	328.438	282			
Coastal	**1**	**Regression**	2.447	1	2.447	2.276	.132(a)
		Residual	323.594	301	1.075		
		Total	326.041	302			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)

Geographic Location	Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
			B	Std. Error	Beta		
Inland	**1**	**(Constant)**	-25.701	11.122		-2.311	.022
		Ln(Stand Value)	1.843	.740	.147	2.490	.013
Coastal	**1**	**(Constant)**	16.926	10.616		1.594	.112
		Ln(Stand Value)	-1.065	.706	-.087	-1.509	.132
a Dependent Variable: LN(Water Demand)							

Descriptive Statistics

Geographic Location		N	Minimum	Maximum	Mean	Std. Deviation
Inland	**LN(Water Demand)**	283	-.65	4.88	1.9967	1.07920

	LN(Stand Area)	282	6.81	14.83	8.5676	.98511
	Ln(Stand Value)	283	14.91	15.19	15.0296	.08606
	Valid N (listwise)	282				
Coastal	**LN(Water Demand)**	303	-.54	5.06	.9095	1.03904
	LN(Stand Area)	297	6.16	12.26	7.9915	1.14372
	Ln(Stand Value)	303	14.91	15.20	15.0450	.08455
	Valid N (listwise)	297				

User Category: RESVAL greater than 4 000 000:

Stands Value >=R 4 000 000

Multi Variable Regression

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	1886	.00	10360000.00	44281.4825	353326.36527
SumOfAv_Day_Demand	1886	.00	2237.51	14.2231	70.45497
StandValue	1886	4000000.00	53130000.00	12022337.7662	8983299.39464
Valid N (listwise)	1886				

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Stand_Area	1865	190.00	10360000.00	44780.0895	355279.65715
SumOfAv_Day_Demand	1886	.00	2237.51	14.2231	70.45497
StandValue	1886	4000000.00	53130000.00	12022337.7662	8983299.39464
Valid N (listwise)	1865				

Regression

Variables Entered/Removed(a)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	MAE	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
2	unemployed	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
3	AveMinTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
4	AveIncome	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
5	AveHouseSize	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
6	AveMaxTempSpecific	.	Stepwise (Criteria: Probability-of-F-to-enter <= .050, Probability-of-F-to-remove >= .100).
7	MAP	.	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	.524(a)	.275	.274	1.35361

2	.606(b)	.367	.366	1.26449
3	.626(c)	.392	.390	1.24049
4	.636(d)	.404	.402	1.22834
5	.645(e)	.416	.414	1.21651
6	.656(f)	.430	.427	1.20213
7	.657(g)	.432	.429	1.20062

a Predictors: (Constant), MAE

b Predictors: (Constant), MAE, unemployed

c Predictors: (Constant), MAE, unemployed, AveMinTempSpecific

d Predictors: (Constant), MAE, unemployed, AveMinTempSpecific, AveIncome

e Predictors: (Constant), MAE, unemployed, AveMinTempSpecific, AveIncome, AveHouseSize

f Predictors: (Constant), MAE, unemployed, AveMinTempSpecific, AveIncome, AveHouseSize, AveMaxTempSpecific

g Predictors: (Constant), MAE, unemployed, AveMinTempSpecific, AveIncome, AveHouseSize, AveMaxTempSpecific, MAP

ANOVA(h)

Model		Sum of Squares	df	Mean Square	F	Sig.
1	**Regression**	883.238	1	883.238	482.047	.000(a)
	Residual	2334.305	1274	1.832		
	Total	3217.543	1275			
2	**Regression**	1182.101	2	591.050	369.653	.000(b)
	Residual	2035.442	1273	1.599		
	Total	3217.543	1275			
3	**Regression**	1260.173	3	420.058	272.975	.000(c)
	Residual	1957.370	1272	1.539		
	Total	3217.543	1275			
4	**Regression**	1299.834	4	324.959	215.373	.000(d)
	Residual	1917.709	1271	1.509		
	Total	3217.543	1275			
5	**Regression**	1338.067	5	267.613	180.832	.000(e)
	Residual	1879.476	1270	1.480		
	Total	3217.543	1275			
6	**Regression**	1383.675	6	230.613	159.579	.000(f)
	Residual	1833.868	1269	1.445		
	Total	3217.543	1275			
7	**Regression**	1389.731	7	198.533	137.727	.000(g)
	Residual	1827.812	1268	1.441		
	Total	3217.543	1275			

a Predictors: (Constant), MAE

b Predictors: (Constant), MAE, unemployed

c Predictors: (Constant), MAE, unemployed, AveMinTempSpecific

d Predictors: (Constant), MAE, unemployed, AveMinTempSpecific, AveIncome

e Predictors: (Constant), MAE, unemployed, AveMinTempSpecific, AveIncome, AveHouseSize
f Predictors: (Constant), MAE, unemployed, AveMinTempSpecific, AveIncome, AveHouseSize, AveMaxTempSpecific
g Predictors: (Constant), MAE, unemployed, AveMinTempSpecific, AveIncome, AveHouseSize, AveMaxTempSpecific, MAP
h Dependent Variable: LN(Water Demand)

Coefficients(a)

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-3.33612518	.233		-14.301	.000
	MAE	.00274914	.000	.524	21.956	.000
2	(Constant)	-4.15054289	.226		-18.372	.000
	MAE	.00293355	.000	.559	24.914	.000
	unemployed	3.47553587	.254	.307	13.672	.000
3	(Constant)	-1.93997742	.381		-5.087	.000
	MAE	.00234325	.000	.447	16.483	.000
	unemployed	2.44459107	.288	.216	8.478	.000
	AveMinTempSpecific	-.08980544	.013	-.207	-7.123	.000
4	(Constant)	-1.95488638	.378		-5.177	.000
	MAE	.00206678	.000	.394	13.710	.000
	unemployed	3.18759436	.320	.281	9.955	.000
	AveMinTempSpecific	-.08313010	.013	-.192	-6.623	.000
	AveIncome	.00000286	.000	.143	5.127	.000
5	(Constant)	.10030877	.551		.182	.856
	MAE	.00192742	.000	.367	12.698	.000
	unemployed	2.02935639	.390	.179	5.197	.000
	AveMinTempSpecific	-.10358124	.013	-.239	-7.927	.000
	AveIncome	.00000575	.000	.288	7.253	.000
	AveHouseSize	-.40178487	.079	-.229	-5.083	.000
6	(Constant)	2.62850922	.706		3.722	.000
	MAE	.00075044	.000	.143	2.912	.004
	unemployed	1.53070953	.396	.135	3.866	.000
	AveMinTempSpecific	-.25212938	.029	-.581	-8.568	.000
	AveIncome	.00000658	.000	.329	8.248	.000
	AveHouseSize	-.56523687	.083	-.322	-6.781	.000
	AveMaxTempSpecific	.09258574	.016	.316	5.618	.000
7	(Constant)	3.30857545	.779		4.244	.000
	MAE	.00086183	.000	.164	3.277	.001
	unemployed	1.45839476	.397	.129	3.673	.000
	AveMinTempSpecific	-.26403068	.030	-.609	-8.814	.000

	AveIncome	.00000675	.000	.338	8.432	.000
	AveHouseSize	-.58825555	.084	-.335	-7.003	.000
	AveMaxTempSpecific	.09001945	.017	.307	5.453	.000
	MAP	-.00094790	.000	-.063	-2.050	.041
a Dependent Variable: LN(Water Demand)						

Excluded Variables(h)

Model		**Beta In**	**t**	**Sig.**	**Partial Correlation**	**Collinearity Statistics**
						Tolerance
1	**Stand_Area**	.043(a)	1.790	.074	.050	1.000
	StandValue	-.065(a)	-2.619	.009	-.073	.922
	MAP	.152(a)	5.448	.000	.151	.713
	AveMaxTempSpecific	-.235(a)	-10.004	.000	-.270	.961
	AveMinTempSpecific	-.331(a)	-12.804	.000	-.338	.757
	unemployed	.307(a)	13.672	.000	.358	.987
	FormalHousing	-.294(a)	-12.569	.000	-.332	.929
	AveHousholdsize	.215(a)	9.297	.000	.252	.999
	AveHouseSize	-.171(a)	-6.886	.000	-.189	.887
	AveIncome	-.033(a)	-1.224	.221	-.034	.775
	house_waterconnection	-.286(a)	-12.683	.000	-.335	.998
	WaterborneSanitation	-.270(a)	-11.479	.000	-.306	.936
	LN(Stand Area)	.026(a)	1.105	.269	.031	.998
	Ln(Stand Value)	-.051(a)	-2.088	.037	-.058	.937
	Geographic Location	.173(a)	5.310	.000	.147	.524
2	**Stand_Area**	.020(b)	.915	.360	.026	.995
	StandValue	.001(b)	.042	.967	.001	.883
	MAP	.060(b)	2.203	.028	.062	.662
	AveMaxTempSpecific	-.113(b)	-4.429	.000	-.123	.748
	AveMinTempSpecific	-.207(b)	-7.123	.000	-.196	.566
	FormalHousing	-.079(b)	-1.693	.091	-.047	.231
	AveHousholdsize	.045(b)	1.609	.108	.045	.625
	AveHouseSize	.068(b)	2.184	.029	.061	.511
	AveIncome	.162(b)	5.749	.000	.159	.609
	house_waterconnection	-.081(b)	-1.759	.079	-.049	.237
	WaterborneSanitation	-.045(b)	-1.154	.249	-.032	.328
	LN(Stand Area)	.061(b)	2.705	.007	.076	.986
	Ln(Stand Value)	.015(b)	.617	.537	.017	.896
	Geographic Location	.006(b)	.171	.865	.005	.440
3	**Stand_Area**	.025(c)	1.161	.246	.033	.994
	StandValue	.008(c)	.348	.728	.010	.881
	MAP	-.047(c)	-1.506	.132	-.042	.498

	AveMaxTempSpecific	.210(c)	3.908	.000	.109	.163
	FormalHousing	-.106(c)	-2.330	.020	-.065	.229
	AveHousholdsize	.068(c)	2.458	.014	.069	.617
	AveHouseSize	.006(c)	.175	.861	.005	.469
	AveIncome	.143(c)	5.127	.000	.142	.602
	house_waterconnection	-.133(c)	-2.938	.003	-.082	.231
	WaterborneSanitation	.003(c)	.066	.947	.002	.318
	LN(Stand Area)	.034(c)	1.519	.129	.043	.955
	Ln(Stand Value)	.020(c)	.850	.396	.024	.895
	Geographic Location	.004(c)	.127	.899	.004	.440
4	**Stand_Area**	.024(d)	1.108	.268	.031	.993
	StandValue	-.046(d)	-1.848	.065	-.052	.741
	MAP	-.047(d)	-1.528	.127	-.043	.498
	AveMaxTempSpecific	.183(d)	3.409	.001	.095	.161
	FormalHousing	-.097(d)	-2.148	.032	-.060	.229
	AveHousholdsize	.002(d)	.072	.943	.002	.481
	AveHouseSize	-.229(d)	-5.083	.000	-.141	.227
	house_waterconnection	-.129(d)	-2.873	.004	-.080	.231
	WaterborneSanitation	.009(d)	.226	.821	.006	.318
	LN(Stand Area)	.006(d)	.241	.809	.007	.894
	Ln(Stand Value)	-.014(d)	-.574	.566	-.016	.828
	Geographic Location	-.115(d)	-3.013	.003	-.084	.319
5	**Stand_Area**	.028(e)	1.299	.194	.036	.992
	StandValue	-.008(e)	-.303	.762	-.009	.670
	MAP	-.075(e)	-2.443	.015	-.068	.483
	AveMaxTempSpecific	.316(e)	5.618	.000	.156	.142
	FormalHousing	-.007(e)	-.151	.880	-.004	.192
	AveHousholdsize	.044(e)	1.367	.172	.038	.451
	house_waterconnection	-.083(e)	-1.815	.070	-.051	.220
	WaterborneSanitation	.060(e)	1.519	.129	.043	.299
	LN(Stand Area)	.027(e)	1.157	.248	.032	.866
	Ln(Stand Value)	.016(e)	.662	.508	.019	.780
	Geographic Location	-.108(e)	-2.864	.004	-.080	.319
6	**Stand_Area**	.032(f)	1.526	.127	.043	.991
	StandValue	.014(f)	.550	.582	.015	.654
	MAP	-.063(f)	-2.050	.041	-.057	.481
	FormalHousing	-.037(f)	-.758	.448	-.021	.190
	AveHousholdsize	.018(f)	.552	.581	.015	.441
	house_waterconnection	-.052(f)	-1.145	.252	-.032	.216
	WaterborneSanitation	.015(f)	.376	.707	.011	.286
	LN(Stand Area)	.034(f)	1.470	.142	.041	.864
	Ln(Stand Value)	.034(f)	1.386	.166	.039	.768

	Geographic Location	-.033(f)	-.811	.418	-.023	.273
7	**Stand_Area**	.032(g)	1.493	.136	.042	.991
	StandValue	.015(g)	.558	.577	.016	.654
	FormalHousing	-.056(g)	-1.134	.257	-.032	.184
	AveHousholdsize	.023(g)	.714	.476	.020	.439
	house_waterconnection	-.089(g)	-1.870	.062	-.052	.196
	WaterborneSanitation	.004(g)	.099	.921	.003	.281
	LN(Stand Area)	.029(g)	1.279	.201	.036	.856
	Ln(Stand Value)	.032(g)	1.335	.182	.037	.767
	Geographic Location	-.058(g)	-1.382	.167	-.039	.255

a Predictors in the Model: (Constant), MAE

b Predictors in the Model: (Constant), MAE, unemployed

c Predictors in the Model: (Constant), MAE, unemployed, AveMinTempSpecific

d Predictors in the Model: (Constant), MAE, unemployed, AveMinTempSpecific, AveIncome

e Predictors in the Model: (Constant), MAE, unemployed, AveMinTempSpecific, AveIncome, AveHouseSize

f Predictors in the Model: (Constant), MAE, unemployed, AveMinTempSpecific, AveIncome, AveHouseSize, AveMaxTempSpecific

g Predictors in the Model: (Constant), MAE, unemployed, AveMinTempSpecific, AveIncome, AveHouseSize, AveMaxTempSpecific, MAP

h Dependent Variable: LN(Water Demand)

Regression

Variables Entered/Removed(b)

Geographic Location	**Model**	**Variables Entered**	**Variables Removed**	**Method**
Inland	**1**	LN(Stand Area)(a)	.	Enter
Coastal	**1**	LN(Stand Area)(a)	.	Enter

a All requested variables entered.

b Dependent Variable: LN(Water Demand)

Model Summary

Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.049(a)	.002	.001	1.60106
Coastal	**1**	.071(a)	.005	.004	1.32836

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

ANOVA(b)

Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	4.787	1	4.787	1.867	.172(a)
		Residual	2019.960	788	2.563		
		Total	2024.747	789			

Coastal	**1**	**Regression**	9.588	1	9.588	5.434	.020(a)
		Residual	1893.342	1073	1.765		
		Total	1902.930	1074			
a Predictors: (Constant), LN(Stand Area)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)

Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	1.327	.480		2.765	.006
		LN(Stand Area)	.070	.051	.049	1.367	.172
Coastal	**1**	**(Constant)**	1.394	.304		4.588	.000
		LN(Stand Area)	-.075	.032	-.071	-2.331	.020
a Dependent Variable: LN(Water Demand)							

Single Variable Regression

Variables Entered/Removed(b)

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

Model Summary

Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.121(a)	.015	.013	1.60032
Coastal	**1**	.108(a)	.012	.011	1.33624
a Predictors: (Constant), Ln(Stand Value)					

ANOVA(b)

Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	30.652	1	30.652	11.969	.001(a)
		Residual	2059.067	804	2.561		
		Total	2089.719	805			
Coastal	**1**	**Regression**	22.676	1	22.676	12.700	.000(a)
		Residual	1924.809	1078	1.786		
		Total	1947.486	1079			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: LN(Water Demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	7.926	1.730		4.582	.000
		Ln(Stand Value)	-.375	.108	-.121	-3.460	.001
Coastal	**1**	**(Constant)**	3.883	.893		4.349	.000
		Ln(Stand Value)	-.197	.055	-.108	-3.564	.000
a Dependent Variable: LN(Water Demand)							

Descriptive Statistics						
Geographic Location		**N**	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Inland	**LN(Water Demand)**	806	-.67	7.71	1.9444	1.61119
	LN(Stand Area)	790	5.25	15.62	9.3469	1.11797
	Ln(Stand Value)	806	15.20	17.75	15.9446	.52011
	Valid N (listwise)	790				
Coastal	**LN(Water Demand)**	1080	-.69	7.30	.7043	1.34347
	LN(Stand Area)	1075	5.30	16.15	9.3213	1.25453
	Ln(Stand Value)	1080	15.20	17.79	16.1611	.73713
	Valid N (listwise)	1075				

User Category: RESALL:

All domestic users

Single Variable Regression

Statistics Geographic Location		
N	**Valid**	1143077
	Missing	0

Geographic Location					
		Frequency	**Percent**	**Valid Percent**	**Cumulative Percent**
Valid	**Inland**	852925	74.6	74.6	74.6
	Coastal	290152	25.4	25.4	100.0
	Total	1143077	100.0	100.0	

Descriptive Statistics					
	N	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
LN(Water demand)	1143077	-.69	7.71	.2795	.49546
LN(Stand Area)	1091686	3.14	20.08	6.4124	.78164
Ln(Stand Value)	1143077	9.90	17.79	11.7067	1.04633
Valid N (listwise)	1091686				

Descriptive Statistics						
Geographic Location		**N**	**Minimum**	**Maximum**	**Mean**	**Std. Deviation**
Inland	**LN(Water demand)**	852925	-.69	7.71	.3267	.51224
	LN(Stand Area)	810595	3.22	16.13	6.4867	.76976
	Ln(Stand Value)	852925	9.90	17.75	11.6853	1.04896
	Valid N (listwise)	810595				
Coastal	**LN(Water demand)**	290152	-.69	7.30	.1409	.41230
	LN(Stand Area)	281091	3.14	20.08	6.1981	.77605
	Ln(Stand Value)	290152	9.90	17.79	11.7696	1.03599
	Valid N (listwise)	281091				

Regression

Variables Entered/Removed(b)				
Geographic Location	**Model**	**Variables Entered**	**Variables Removed**	**Method**
Inland	**1**	LN(Stand Area)(a)	.	Enter

Coastal	**1**	LN(Stand Area)(a)	.	Enter
a All requested variables entered.				
b Dependent Variable: LN(Water demand)				

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.472(a)	.223	.223	.45109
Coastal	**1**	.385(a)	.148	.148	.37902
a Predictors: (Constant), LN(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	47375.285	1	47375.285	232818.775	.000(a)
		Residual	164944.062	810593	.203		
		Total	212319.347	810594			
Coastal	**1**	**Regression**	7015.285	1	7015.285	48832.897	.000(a)
		Residual	40380.964	281089	.144		
		Total	47396.249	281090			
a Predictors: (Constant), LN(Stand Area)							
b Dependent Variable: LN(Water demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-1.691	.004		-397.777	.000
		LN(Stand Area)	.314	.001	.472	482.513	.000
Coastal	**1**	**(Constant)**	-1.124	.006		-195.274	.000
		LN(Stand Area)	.204	.001	.385	220.982	.000
a Dependent Variable: LN(Water demand)							

Regression

Variables Entered/Removed(b)				
Geographic Location	**Model**	**Variables Entered**	**Variables Removed**	**Method**
Inland	**1**	Ln(Stand Value)(a)	.	Enter
Coastal	**1**	Ln(Stand Value)(a)	.	Enter

a All requested variables entered.
b Dependent Variable: LN(Water demand)

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.528(a)	.279	.279	.43500
Coastal	**1**	.382(a)	.146	.146	.38110
a Predictors: (Constant), Ln(Stand Value)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	62402.553	1	62402.553	329772.307	.000(a)
		Residual	161397.946	852923	.189		
		Total	223800.499	852924			
Coastal	**1**	**Regression**	7182.543	1	7182.543	49453.099	.000(a)
		Residual	42141.241	290150	.145		
		Total	49323.784	290151			
a Predictors: (Constant), Ln(Stand Value)							
b Dependent Variable: LN(Water demand)							

Coefficients(a)							
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-2.687	.005		-509.952	.000
		Ln(Stand Value)	.258	.000	.528	574.258	.000
Coastal	**1**	**(Constant)**	-1.647	.008		-204.066	.000
		Ln(Stand Value)	.152	.001	.382	222.381	.000
a Dependent Variable: LN(Water demand)							

Regression

Variables Entered/Removed(b)				
Geographic Location	**Model**	**Variables Entered**	**Variables Removed**	**Method**
Inland	**1**	Ln(Stand Value), LN(Stand Area)(a)	.	Enter
Coastal	**1**	Ln(Stand Value), LN(Stand Area)(a)	.	Enter
a All requested variables entered.				

b Dependent Variable: LN(Water demand)

Model Summary					
Geographic Location	**Model**	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
Inland	**1**	.530(a)	.281	.281	.43401
Coastal	**1**	.430(a)	.185	.185	.37064
a Predictors: (Constant), Ln(Stand Value), LN(Stand Area)					

ANOVA(b)							
Geographic Location	**Model**		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
Inland	**1**	**Regression**	59634.371	2	29817.185	158296.989	.000(a)
		Residual	152684.976	810592	.188		
		Total	212319.347	810594			
Coastal	**1**	**Regression**	8782.015	2	4391.008	31963.849	.000(a)
		Residual	38614.234	281088	.137		
		Total	47396.249	281090			
a Predictors: (Constant), Ln(Stand Value), LN(Stand Area)							
b Dependent Variable: LN(Water demand)							

Coefficients(a)						
Geographic Location	**Model**		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
			B	**Std. Error**	**Beta**		
Inland	**1**	**(Constant)**	-2.715	.006		-473.775	.000
		LN(Stand Area)	.127	.001	.191	131.571	.000
		Ln(Stand Value)	.190	.001	.370	255.113	.000
Coastal	**1**	**(Constant)**	-1.772	.008		-220.883	.000
		LN(Stand Area)	.121	.001	.228	103.827	.000
		Ln(Stand Value)	.099	.001	.249	113.405	.000
a Dependent Variable: LN(Water demand)							

Regression

Variables Entered/Removed(b)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	LN(Stand Area)(a)	.	Enter

a All requested variables entered.
b Dependent Variable: LN(Water demand)

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.467(a)	.218	.218	.43865
a Predictors: (Constant), LN(Stand Area)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	58677.760	1	58677.760	304950.169	.000(a)
	Residual	210059.145	1091684	.192		
	Total	268736.905	1091685			
a Predictors: (Constant), LN(Stand Area)						
b Dependent Variable: LN(Water demand)						

Coefficients(a)						
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
		B	**Std. Error**	**Beta**		
1	**(Constant)**	-1.610	.003		-463.878	.000
	LN(Stand Area)	.297	.001	.467	552.223	.000
a Dependent Variable: LN(Water demand)						

Regression

Variables Entered/Removed(b)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	Ln(Stand Value)(a)	.	Enter
a All requested variables entered.			
b Dependent Variable: LN(Water demand)			

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.482(a)	.233	.233	.43397
a Predictors: (Constant), Ln(Stand Value)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	65317.999	1	65317.999	346820.017	.000(a)
	Residual	215279.879	1143075	.188		

	Total	280597.878	1143076			
a Predictors: (Constant), Ln(Stand Value)						
b Dependent Variable: LN(Water demand)						

Coefficients(a)						
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
		B	**Std. Error**	**Beta**		
1	**(Constant)**	-2.395	.005		-525.276	.000
	Ln(Stand Value)	.228	.000	.482	588.914	.000
a Dependent Variable: LN(Water demand)						

Regression

Variables Entered/Removed(b)			
Model	**Variables Entered**	**Variables Removed**	**Method**
1	Ln(Stand Value), LN(Stand Area)(a)	.	Enter
a All requested variables entered.			
b Dependent Variable: LN(Water demand)			

Model Summary				
Model	**R**	**R Square**	**Adjusted R Square**	**Std. Error of the Estimate**
1	.509(a)	.259	.259	.42710
a Predictors: (Constant), Ln(Stand Value), LN(Stand Area)				

ANOVA(b)						
Model		**Sum of Squares**	**df**	**Mean Square**	**F**	**Sig.**
1	**Regression**	69593.726	2	34796.863	190752.926	.000(a)
	Residual	199143.178	1091683	.182		
	Total	268736.905	1091685			
a Predictors: (Constant), Ln(Stand Value), LN(Stand Area)						
b Dependent Variable: LN(Water demand)						

Coefficients(a)						
Model		**Unstandardized Coefficients**		**Standardized Coefficients**	**t**	**Sig.**
		B	**Std. Error**	**Beta**		
1	**(Constant)**	-2.444	.005		-509.058	.000
	LN(Stand Area)	.166	.001	.261	221.724	.000
	Ln(Stand Value)	.142	.001	.288	244.623	.000
a Dependent Variable: LN(Water demand)						