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**APPENDIX A : Duplicate Error**

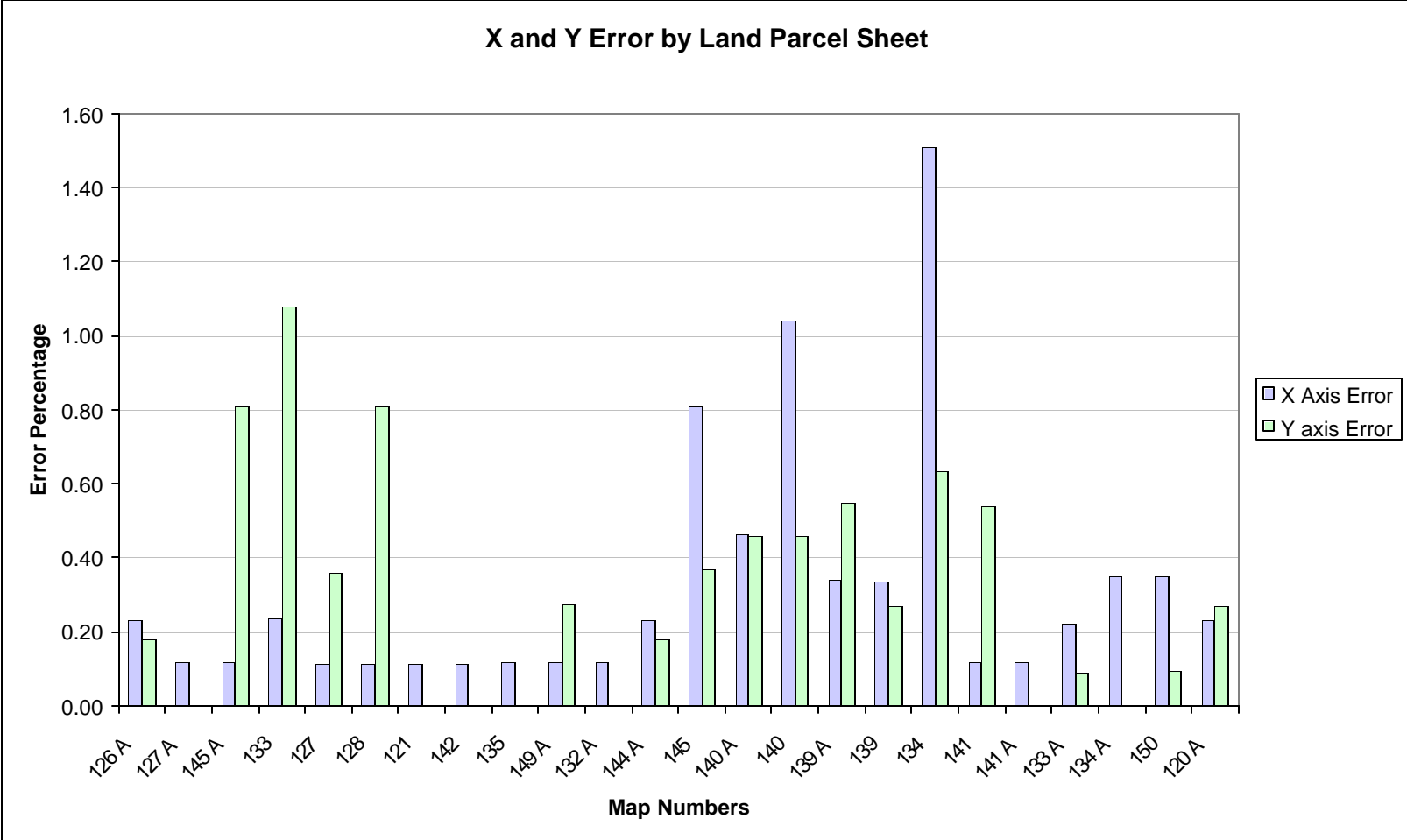
**Table A 1 Maps Duplicate Error**

No	Map Number	Actual Length (mm)		Photocopy Length (mm)		Errors (mm)		Distance Error(abs)	
		X	Y	X	Y	X	Y	X	Y
1	126 A	428.0	554.5	429.0	555.5	-0.23	-0.18	0.23	0.18
2	127 A	432.0	547.5	432.5	547.5	-0.12	0.00	0.12	0.00
3	145 A	433.0	556.0	433.5	551.5	-0.12	0.81	0.12	0.81
4	133	427.0	555.0	428.0	549.0	-0.23	1.08	0.23	1.08
5	127	442.0	555.5	442.5	557.5	-0.11	-0.36	0.11	0.36
6	128	444.5	558.0	445.0	553.5	-0.11	0.81	0.11	0.81
7	121	438.5	545.0	439.0	545.0	-0.11	0.00	0.11	0.00
8	142	437.0	557.0	437.5	557.0	-0.11	0.00	0.11	0.00
9	135	435.0	547.5	435.5	547.5	-0.11	0.00	0.11	0.00
10	149 A	429.0	545.0	429.5	546.5	-0.12	-0.28	0.12	0.28
11	132 A	431.5	554.5	432.0	554.5	-0.12	0.00	0.12	0.00
12	144 A	433.0	557.5	434.0	558.5	-0.23	-0.18	0.23	0.18
13	145	432.0	546.0	428.5	548.0	0.81	-0.37	0.81	0.37
14	140 A	432.5	547.0	430.5	549.5	0.46	-0.46	0.46	0.46
15	140	431.5	545.0	436.0	547.5	-1.04	-0.46	1.04	0.46
16	139 A	438.5	546.0	440.0	549.0	-0.34	-0.55	0.34	0.55
17	139	449.5	554.0	448.0	555.5	0.33	-0.27	0.33	0.27
18	134	431.0	553.5	437.5	557.0	-1.51	-0.63	1.51	0.63
19	141	429.5	555.0	430.0	552.0	-0.12	0.54	0.12	0.54
20	141 A	434.0	544.5	434.5	544.5	-0.12	0.00	0.12	0.00
21	133 A	447.0	558.0	448.0	558.5	-0.22	-0.09	0.22	0.09
22	134 A	430.0	553.0	431.5	553.0	-0.35	0.00	0.35	0.00
23	150	429.0	545.0	430.5	545.5	-0.35	-0.09	0.35	0.09
24	120 A	429.5	554.0	430.5	555.5	-0.23	-0.27	0.23	0.27
<b>Total</b>		<b>10424.5</b>	<b>13234.0</b>					<b>7.62</b>	<b>7.42</b>
		<b>Mean Ratio of Photocopy Error (X axis)=</b>		0.3174		<b>Minimum</b>		0.11	0.00
		<b>Mean Ratio of Photocopy Error (Y axis)=</b>		0.3091		<b>Maximum</b>		1.51	1.08

**Table A 2 Maps Duplicate Errors**

No	Map Number	Actual Length (mm)		Photocopy Length (mm)		Errors (mm)		Distance Error(abs)		Field Length (mm)		Sheet Area Ha.	Photocopy Length (mm)		Sheet Area Ha.
		X	Y	X	Y	X	Y	X	Y	X	Y		X	Y	
1	126 A	428.0	554.5	429.0	555.5	-0.23	-0.18	0.23	0.18	338.976	439.164	14.887	339.768	439.956	14.948
2	127 A	432.0	547.5	432.5	547.5	-0.12	0.00	0.12	0.00	342.144	433.620	14.836	342.540	433.620	14.853
3	145 A	433.0	556.0	433.5	551.5	-0.12	0.81	0.12	0.81	342.936	440.352	15.101	343.332	436.788	14.996
4	133	427.0	555.0	428.0	549.0	-0.23	1.08	0.23	1.08	338.184	439.560	14.865	338.976	434.808	14.739
5	127	442.0	555.5	442.5	557.5	-0.11	-0.36	0.11	0.36	350.064	439.956	15.401	350.460	441.540	15.474
6	128	444.5	558.0	445.0	553.5	-0.11	0.81	0.11	0.81	352.044	441.936	15.558	352.440	438.372	15.450
7	121	438.5	545.0	439.0	545.0	-0.11	0.00	0.11	0.00	347.292	431.640	14.991	347.688	431.640	15.008
8	142	437.0	557.0	437.5	557.0	-0.11	0.00	0.11	0.00	346.104	441.144	15.268	346.500	441.144	15.286
9	135	435.0	547.5	435.5	547.5	-0.11	0.00	0.11	0.00	344.520	433.620	14.939	344.916	433.620	14.956
10	149 A	429.0	545.0	429.5	546.5	-0.12	-0.28	0.12	0.28	339.768	431.640	14.666	340.164	432.828	14.723
11	132 A	431.5	554.5	432.0	554.5	-0.12	0.00	0.12	0.00	341.748	439.164	15.008	342.144	439.164	15.026
12	144 A	433.0	557.5	434.0	558.5	-0.23	-0.18	0.23	0.18	342.936	441.540	15.142	343.728	442.332	15.204
13	145	432.0	546.0	428.5	548.0	0.81	-0.37	0.81	0.37	342.144	432.432	14.795	339.372	434.016	14.729
14	140 A	432.5	547.0	430.5	549.5	0.46	-0.46	0.46	0.46	342.540	433.224	14.840	340.956	435.204	14.839
15	140	431.5	545.0	436.0	547.5	-1.04	-0.46	1.04	0.46	341.748	431.640	14.751	345.312	433.620	14.973
16	139 A	438.5	546.0	440.0	549.0	-0.34	-0.55	0.34	0.55	347.292	432.432	15.018	348.480	434.808	15.152
17	139	449.5	554.0	448.0	555.5	0.33	-0.27	0.33	0.27	356.004	438.768	15.620	354.816	439.956	15.610
18	134	431.0	553.5	437.5	557.0	-1.51	-0.63	1.51	0.63	341.352	438.372	14.964	346.500	441.144	15.286
19	141	429.5	555.0	430.0	552.0	-0.12	0.54	0.12	0.54	340.164	439.560	14.952	340.560	437.184	14.889
20	141 A	434.0	544.5	434.5	544.5	-0.12	0.00	0.12	0.00	343.728	431.244	14.823	344.124	431.244	14.840
21	133 A	447.0	558.0	448.0	558.5	-0.22	-0.09	0.22	0.09	354.024	441.936	15.646	354.816	442.332	15.695
22	134 A	430.0	553.0	431.5	553.0	-0.35	0.00	0.35	0.00	340.560	437.976	14.916	341.748	437.976	14.968
23	150	429.0	545.0	430.5	545.5	-0.35	-0.09	0.35	0.09	339.768	431.640	14.666	340.956	432.036	14.731
24	120 A	429.5	554.0	430.5	555.5	-0.23	-0.27	0.23	0.27	340.164	438.768	14.925	340.956	439.956	15.001
								<b>7.62</b>	<b>7.42</b>						
												<b>360.58Ha.</b>			<b>361.38</b>

X Error	0.32	Out of Study Area =	<b>166.58Ha.</b>	<b>167.38</b>
Y Error	0.31	Drain Area =	2Ha.	-0.797
		Road Area =	31Ha.	-0.004m2/Ha
		Land Parcels Area =	<u>161Ha.</u>	
		<b>Total Study Area =</b>	<b><u>194Ha.</u></b>	



**Figure A 1** X & Y axis error calculations

## APPENDIX B : Land Parcels Lengths Accuracy

**Table B 1:** Land Parcel lengths Thimbirigasyaya Place (sample 1)

No	Road Name	Asst No.	Actual Length (m)	Digital Length (m)	Error	Error (abs)
1	Thimbirigasyaya Place	30/5	15.0	15.0	0.00	0.00
2			13.0	13.5	-0.04	0.00
3		30/1	10.1	10.4	-0.03	0.00
4		28	15.2	13.8	0.09	0.01
5		22	19.0	20.0	-0.05	0.00
6		20	12.7	14.4	-0.14	0.01
7		16	16.0	15.1	0.06	0.00
8		4	11.6	14.1	-2.50	0.22
9		2	10.6	13.8	-3.21	0.30
10		3	12.7	12.1	0.63	0.05
11			12.4	11.3	1.06	0.09
12		9	12.7	12.4	0.29	0.02
13			8.3	8.1	0.20	0.02
14		15	8.6	8.3	0.30	0.03
15		19	14.7	11.3	3.36	0.23
16		23	11.1	11.6	-0.47	0.04
17			10.8	11.7	-0.88	0.08
18		27	11.4	10.5	0.93	0.08
19		29	21.6	24.9	-3.30	0.15
20		33	24.7	21.9	2.78	0.11
21		14	8.0	8.2	-0.02	0.00
22		12	7.0	8.2	-0.17	0.02
23		10	18.3	15.2	0.17	0.01
24		6	13.2	12.1	0.08	0.01
		<b>Total</b>	<b>318.7</b>			<b>1.51</b>

MRAE 0.0628

Minimum Error -3.3000

Maximum Error 3.3600

**Table B 2:** Land Parcel lengths Sakvithi Lane (Sample 2)

No	Road Name	Asst No.	Actual Length (m)	Digital Length (m)	Error	Error (abs)
1	Sakvithi Lane	17	15.8	15.8	0.00	0.00
2		15	17.5	17.6	0.00	0.00
3		11	18.0	16.7	0.07	0.00
4		9	19.6	19.6	0.00	0.00
5		6	30.6	29.6	0.99	0.03
6		8	9.0	8.8	0.19	0.02
7		10	27.8	28.4	-0.60	0.02
8		14	16.9	17.3	-0.43	0.03
9		18	15.8	16.5	-0.68	0.04
10		20	16.4	17.3	-0.94	0.06
11		7	26.4	25.7	0.03	0.00
12		5	14.3	14.3	0.00	0.00
		<b>Total</b>	<b>228.1</b>			<b>0.21</b>

MRAE 0.0172

Minimum Error 0.0001

Maximum Error 0.0573

**Table B 3:** Land Parcel lengths Baudhaloka Mawatha (410 Lane) (sample 3)

**Field Survey - 18th April 2004 Scale :- 1 Chain to 1 Inch**

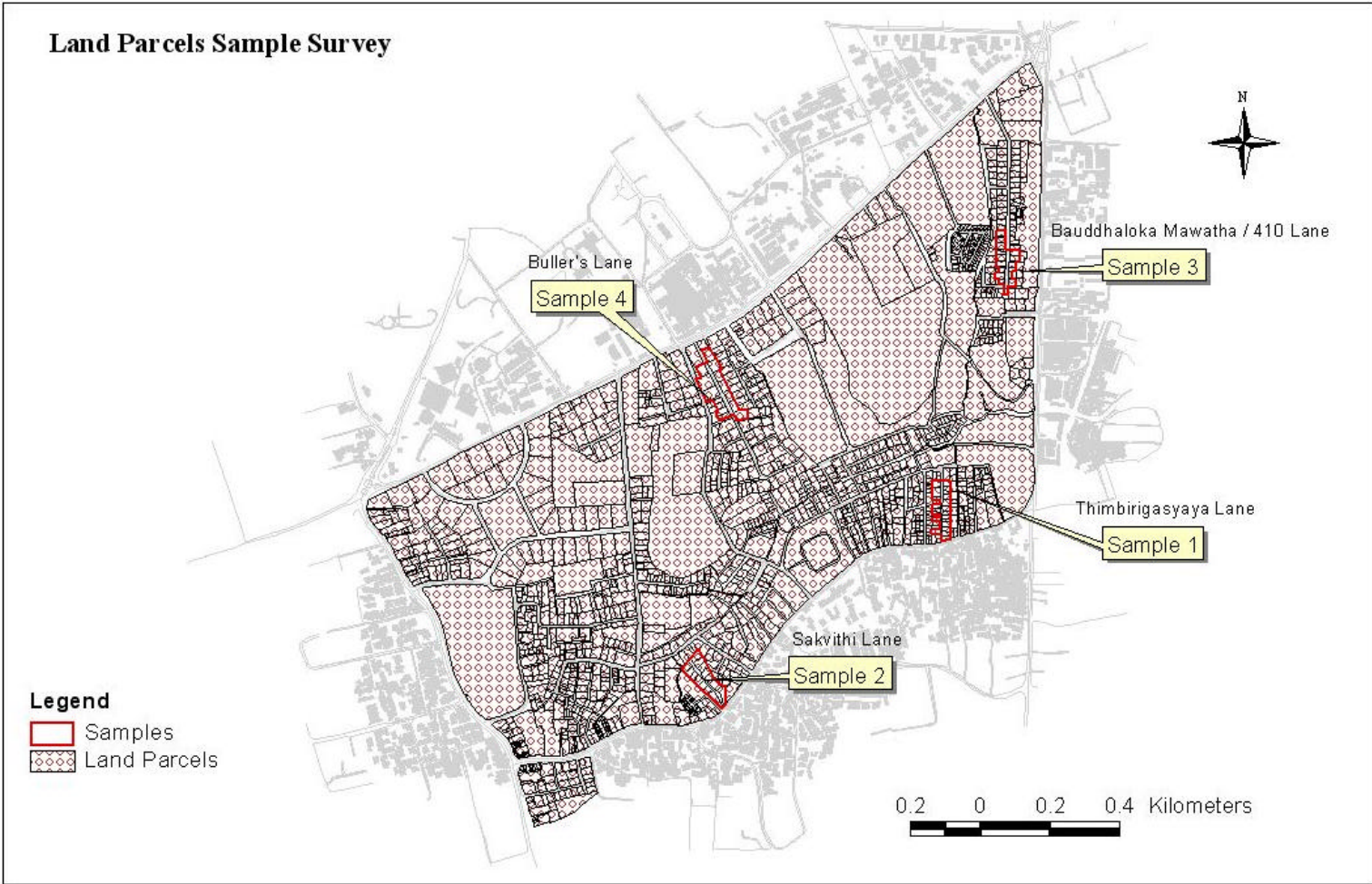
No	Road Name	Asst No.	Actual Length (m)	Digital Length (m)	Error	Error (abs)
1	Bauddhaloka Mw (410 L)	410/36	21.0	21.1	-0.01	0.00
2		410/81	15.7	13.5	0.14	0.01
3		410/106	15.1	15.8	-0.04	0.00
4		410/107	13.4	13.4	0.00	0.00
5		410/108	13.7	15.8	-0.15	0.01
6		410/113	14.2	15.1	-0.87	0.06
7		410/113A	5.8	5.2	0.65	0.11
8		410/114	14.4	13.2	1.20	0.08
9		410/21,21A	21.2	21.3	-0.10	0.00
10		410/23A	9.5	9.6	-0.11	0.01
11		410/25	16.3	16.4	-0.11	0.01
12		410/26	15.3	15.8	-0.52	0.03
13		410/31	12.7	13.2	-0.51	0.04
14		410/32	12.6	13.3	-0.67	0.05
15		410/109	16.8	17.1	-0.02	0.00
16		410/110	16.6	17.3	-0.04	0.00
17		410/111	10.0	9.7	0.03	0.00
18		410/111A	6.0	6.8	-0.13	0.02
19		410/112	16.8	16.7	0.01	0.00
20		410/33	15.3	16.0	-0.04	0.00
		<b>Total</b>	<b>282.4</b>			<b>0.46</b>

MRAE 0.0192  
 Minimum Error -0.8700  
 Maximum Error 1.2000

**Table B 4: Land Parcel lengths Buller's Lane (sample 4)**

No	Road Name	Asst No.	Actual Length (m)	Digital Length (m)	Error	Error (abs)
1	Buller's Lane	21	21.5	20.4	0.05	0.00
2		17	33.7	33.4	0.01	0.00
3		15	33.0	32.9	0.00	0.00
4		11	16.6	16.6	0.00	0.00
5		3	37.4	38.2	-0.81	0.02
6		4	34.0	35.0	-1.00	0.03
7		8	36.7	36.7	-0.03	0.00
8		8A	31.0	29.4	1.65	0.05
9		14	16.5	15.5	0.97	0.06
10		16	15.0	14.7	0.27	0.02
11		18 & 18A	35.1	34.2	0.90	0.03
12		9	16.3	16.9	-0.04	0.00
13		7	33.5	33.4	0.00	0.00
14		5	32.9	29.8	0.10	0.00
		<b>Total</b>	<b>393.2</b>			<b>0.22</b>

MRAE 0.0090  
 Minimum Error -1.0000  
 Maximum Error 1.6500



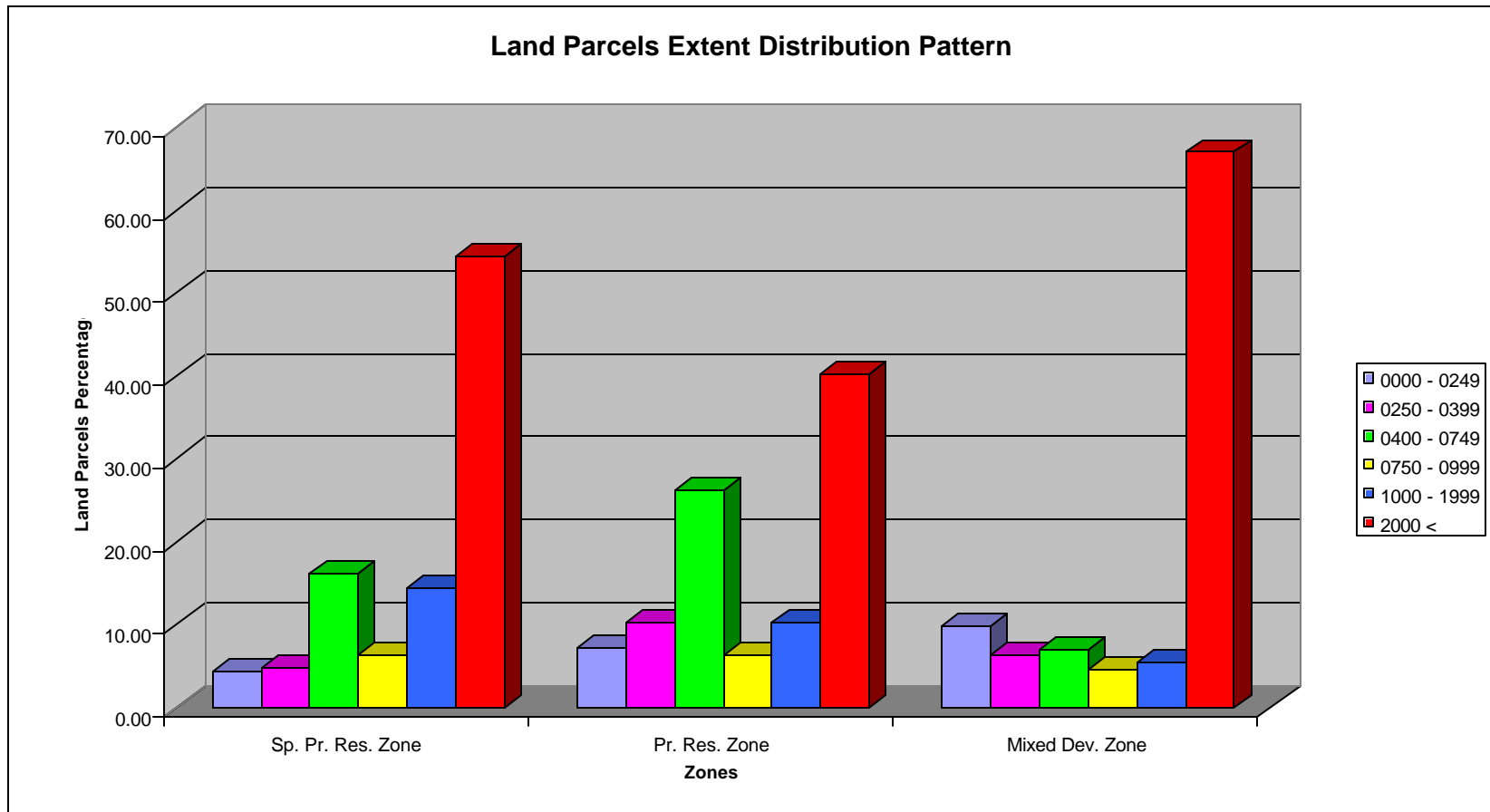
**Figure B 2** Sample Survey in Thimbirigasyaya Ward



**APPENDIX C : Extent Distribution Patterns**

**Table C 1** Land Parcels Extent Distribution in Different Zones

Land Extent Range m <sup>2</sup>	No. of Floors	Sp. Pr. Res. Zone			Pr. Res. Zone			Mixed Dev. Zone			Designated Use	
		Extent m <sup>2</sup>	Parcels	%	Extent m <sup>2</sup>	Parcels	%	Extent m <sup>2</sup>	Parcels	%	Extent m <sup>2</sup>	%
0011 - 0249	3 (G + 2)	34928.62	225	4.24	21862.65	153	7.06	7120.38	68	9.80	400796.50	100.00
0250 - 0399	5 (G + 4)	38970.33	122	4.73	31480.25	100	10.16	4567.27	15	6.29		
0400 - 0749	6 (G + 5)	133083.18	244	16.14	81325.06	157	26.25	5058.68	9	6.96		
0750 - 0999	8 (G + 7)	51076.48	59	6.20	19173.63	22	6.19	3314.95	4	4.56		
1000 - 1999	12 (G + 11)	118196.16	85	14.34	31508.76	24	10.17	3929.06	3	5.41		
2000 <	13 <	448135.53	87	54.36	124500.81	16	40.18	48649.38	4	66.97		
<b>Total</b>		<b>824390.3</b>	<b>822</b>	<b>100.00</b>	<b>309851.16</b>	<b>472</b>	<b>100.00</b>	<b>72639.72</b>	<b>103</b>	<b>100.00</b>	<b>400796.50</b>	<b>100.00</b>



**Figure C 1** Land Extent distribution pattern

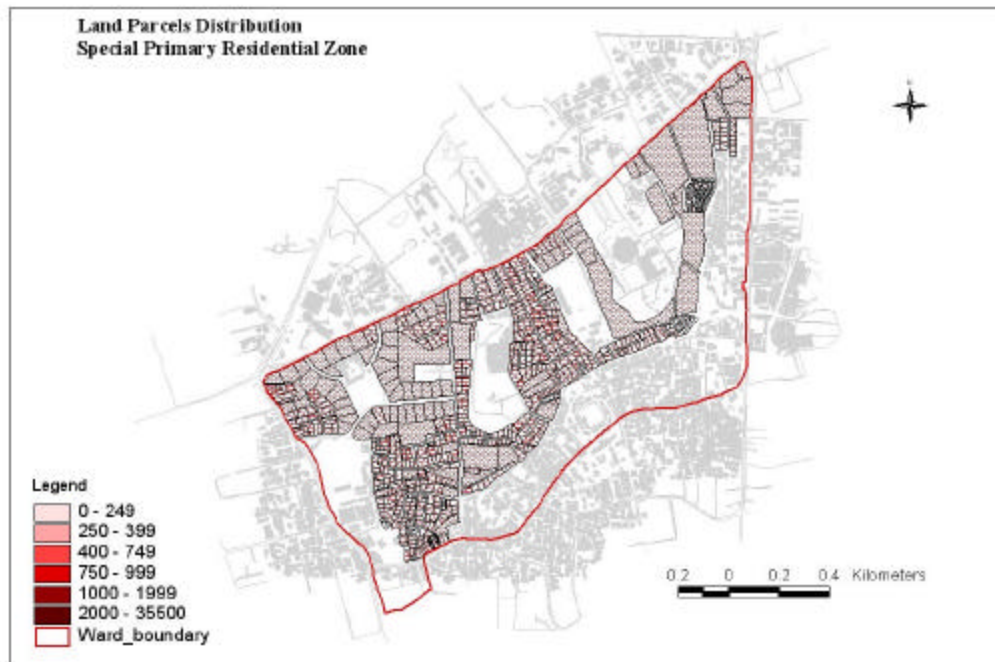


Figure C 2 Land Parcel Ranges in Special Primary Residential Zone

Table C 2 Land Parcels Attributes in Special Primary Residential Zone

Shape	Area_sq_m	Area_sq_m	Perim_m	Perim_m	Area_sq_m	Area_sq_m	Perim_m	Perim_m	Area_sq_m	Area_sq_m	Perim_m	Perim_m	Area_sq_m	Area_sq_m	Perim_m	Perim_m
Polygon	65	Thimbigasaya Road	65 Thimbigasaya Road	5	309	380	11	1	474.77	Special Primary Resi	500	0	3			
Polygon	61	Thimbigasaya Road	61 Thimbigasaya Road	6	369	441	11	1	551.86	Special Primary Resi	500	0	3			
Polygon	47	Thimbigasaya Road	47 Thimbigasaya Road	3	168	231	11	1	268.71	Special Primary Resi	500	0	3			
Polygon	9	Jayasathne Avenue	9 Jayasathne Avenue	4	236	289	9	1	361.54	Special Primary Resi	500	0	3			
Polygon	7	Jayasathne Avenue	7 Jayasathne Avenue	6	342	421	9	1	526.47	Special Primary Resi	500	0	3			
Polygon	5	Jayasathne Avenue	5 Jayasathne Avenue	5	265	351	9	1	428.95	Special Primary Resi	500	0	3			
Polygon	37/1	Thimbigasaya Road	37/1 Thimbigasaya Rd	2	128	158	11	1	197.62	Special Primary Resi	500	0	3			
Polygon	37/1A	Thimbigasaya Road	37/1A Thimbigasaya Rd	2	92	113	11	1	141.73	Special Primary Resi	500	0	3			
Polygon	37B	Thimbigasaya Road	37B Thimbigasaya Road	2	125	154	11	1	192.35	Special Primary Resi	500	0	3			
Polygon	37	Thimbigasaya Road	37 Thimbigasaya Road	14	832	1025	11	1	1280.73	Special Primary Resi	500	0	3			
Polygon	69	Thimbigasaya Road	69 Thimbigasaya Road	3	207	264	11	1	318.05	Special Primary Resi	500	0	3			
Polygon	71	Thimbigasaya Road	71 Thimbigasaya Road	4	244	301	11	1	375.96	Special Primary Resi	500	0	3			
Polygon	69/3	Thimbigasaya Road	69/3 Thimbigasaya Rd	4	269	331	11	1	414.07	Special Primary Resi	500	0	3			
Polygon	69/2	Thimbigasaya Road	69/2 Thimbigasaya Rd	4	269	331	11	1	413.86	Special Primary Resi	500	0	3			
Polygon	59/1	Thimbigasaya Lane	59/1 Thimbigasaya Lane	4	269	332	6	1	414.61	Special Primary Resi	500	0	3			
Polygon	81	Thimbigasaya Road	81 Thimbigasaya Road	7	418	515	11	1	643.84	Special Primary Resi	500	0	3			
Polygon	93	Thimbigasaya Road	93 Thimbigasaya Road	7	436	536	11	1	668.95	Special Primary Resi	500	0	3			
Polygon	4	Jayasathne Avenue	4 Jayasathne Avenue	5	274	332	9	1	421.22	Special Primary Resi	500	0	3			
Polygon	6	Jayasathne Avenue	6 Jayasathne Avenue	4	236	290	9	1	363.12	Special Primary Resi	500	0	3			
Polygon	26	Jayasathne Avenue	26 Jayasathne Avenue	2	139	180	9	1	200.02	Special Primary Resi	500	0	3			
Polygon	24	Jayasathne Avenue	24 Jayasathne Avenue	2	99	122	9	1	152.75	Special Primary Resi	500	0	3			
Polygon	22	Jayasathne Avenue	22 Jayasathne Avenue	2	117	144	9	1	179.66	Special Primary Resi	500	0	3			
Polygon	14	Jayasathne Avenue	14 Jayasathne Avenue	2	149	184	9	1	229.69	Special Primary Resi	500	0	3			
Polygon	12	Jayasathne Avenue	12 Jayasathne Avenue	2	123	151	9	1	189.36	Special Primary Resi	500	0	3			
Polygon	31/3C	Sulaiman Terrace	31/3C Sulaiman Terrace	2	127	156	9	1	194.97	Special Primary Resi	500	0	3			
Polygon	31/3B	Sulaiman Terrace	31/3B Sulaiman Terrace	2	148	182	9	1	227.02	Special Primary Resi	500	0	3			
Polygon	31/3A	Sulaiman Terrace	31/3A Sulaiman Terrace	2	148	182	9	1	227.23	Special Primary Resi	500	0	3			



Figure C 3 Land Parcel Ranges in Primary Residential Zone

Table C 3 Land Parcels Attributes in Primary Residential Zone

Shape	Area_sq_m	Road_name	Opp_road	Plot_area_sq_m	Plot_area_sq_m	Road_width	Entry_sq_m	Plot	Zone_name	Area_sq_m	Area_sq_m	Area_sq_m
Polygon_117	117	Havelock Road	117 Havelock Road	13	810	997	20	1246.23	2 Primary Residential	290	2	10
Polygon_6	6	Vacant Lot		6	370	456	0	566.63	2 Primary Residential	290	2	10
Polygon_40	40	Thimbagaayya Road	40 Thimbagaayya Road	5	300	369	11	461.53	2 Primary Residential	290	2	10
Polygon_96	96	Thimbagaayya Road	96 Thimbagaayya Road	5	314	366	11	482.47	2 Primary Residential	290	2	10
Polygon_141	141	Jawatta Road	141 Jawatta Road	7	413	509	20	636.13	2 Primary Residential	290	2	10
Polygon_115	115	Thimbagaayya Road	115 Thimbagaayya Road	0	25	35	11	44.37	2 Primary Residential	290	2	10
Polygon_121	121	Thimbagaayya Road	121 Thimbagaayya Road	0	26	32	11	40.12	2 Primary Residential	290	2	10
Polygon_127	127	Thimbagaayya Road	127 Thimbagaayya Road	3	192	237	11	296.02	2 Primary Residential	290	2	10
Polygon_123	123	Thimbagaayya Road	123 Thimbagaayya Road	5	318	391	11	488.88	2 Primary Residential	290	2	10
Polygon_131	131	Thimbagaayya Road	131 Thimbagaayya Road	49	2936	3613	11	4516.67	2 Primary Residential	290	2	10
Polygon_139	139	Thimbagaayya Road	139 Thimbagaayya Road	6	395	474	11	592.21	2 Primary Residential	290	2	10
Polygon_137	137	Thimbagaayya Road	137 Thimbagaayya Road	6	382	470	11	587.85	2 Primary Residential	290	2	10
Polygon_135	135	Thimbagaayya Road	135 Thimbagaayya Road	7	401	493	11	616.38	2 Primary Residential	290	2	10
Polygon_3	3	Sakvithi Lane	3 Sakvithi Lane	7	446	549	5	686.05	2 Primary Residential	290	2	10
Polygon_5	5	Sakvithi Lane	5 Sakvithi Lane	4	246	303	5	379.61	2 Primary Residential	290	2	10
Polygon_7	7	Sakvithi Lane	7 Sakvithi Lane	4	262	322	5	402.40	2 Primary Residential	290	2	10
Polygon_9	9	Sakvithi Lane	9 Sakvithi Lane	5	275	338	5	422.44	2 Primary Residential	290	2	10
Polygon_17	17	Sakvithi Lane	17 Sakvithi Lane	5	293	368	5	434.69	2 Primary Residential	290	2	10
Polygon_15	15	Sakvithi Lane	15 Sakvithi Lane	5	296	364	5	435.34	2 Primary Residential	290	2	10
Polygon_11	11	Sakvithi Lane	11 Sakvithi Lane	4	280	321	5	400.65	2 Primary Residential	290	2	10
Polygon_191/2	191/2	Thimbagaayya Road	191/2 Thimbagaayya Road	4	214	263	11	329.35	2 Primary Residential	290	2	10
Polygon_191/1	191/1	Thimbagaayya Road	191/1 Thimbagaayya Road	4	236	290	11	362.91	2 Primary Residential	290	2	10
Polygon_195	195	Thimbagaayya Road	195 Thimbagaayya Road	7	413	509	11	636.78	2 Primary Residential	290	2	10
Polygon_191/3	191/3	Thimbagaayya Road	191/3 Thimbagaayya Road	4	220	271	11	336.48	2 Primary Residential	290	2	10
Polygon_191/50.6	191/50.6	Thimbagaayya Road	191/50.6 Thimbagaayya Road	40	2410	2966	11	3707.10	2 Primary Residential	290	2	10
Polygon_4	4	Sakvithi Lane	4 Sakvithi Lane	9	560	690	5	861.95	2 Primary Residential	290	2	10
Polygon_6	6	Sakvithi Lane	6 Sakvithi Lane	8	384	472	5	580.34	2 Primary Residential	290	2	10
Polygon_219	219	Thimbagaayya Road	219 Thimbagaayya Road	14	895	1065	11	1331.60	2 Primary Residential	290	2	10

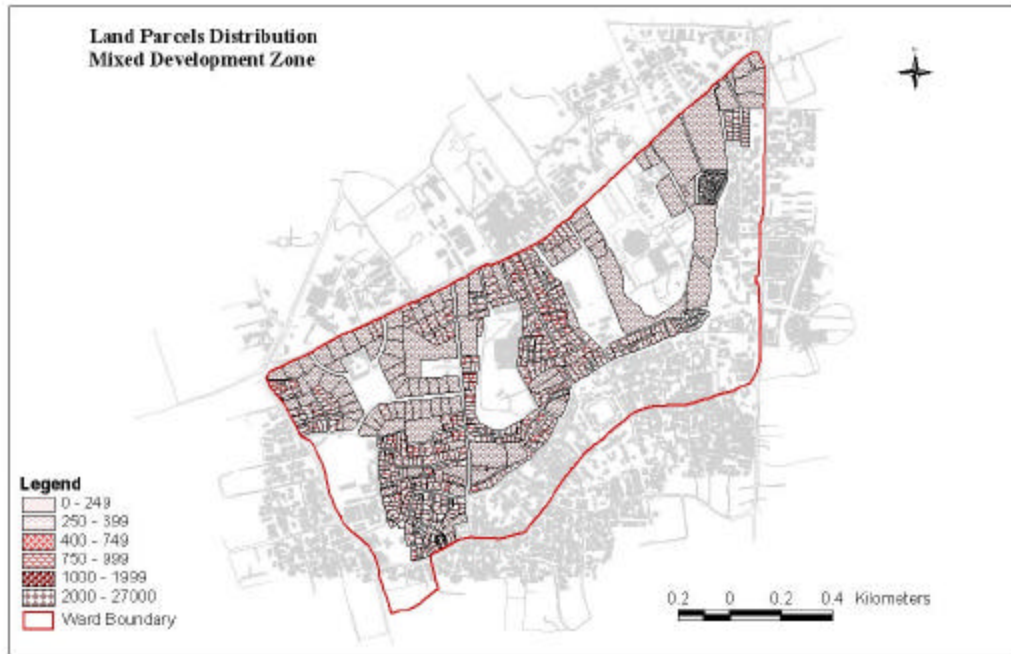


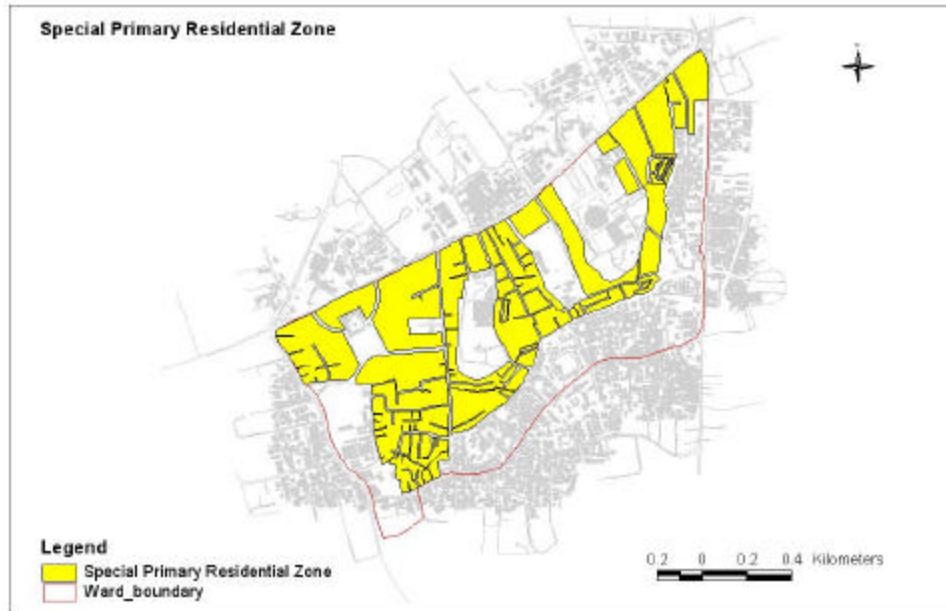
Figure C 4 Land Parcel Ranges in Mixed Development Zone

Table C 4 Land Parcels Attributes in Mixed Development Zone

Shpnr	Dist_no	Road_name	Zone_name	Flg_area_d	Flg_area_sq	Rt_area_sq	Road_width	Extent_sq	AV	Zone_number	Min_Alt	Max_Alt
Polygon	83	Havelock Road	83 Havelock Road	1	44	95	20	68.34	2	Mixed Development	150	999
Polygon	17	Thimbagaaya Road	17 Thimbagaaya Road	1	48	49	11	61.07	2	Mixed Development	150	999
Polygon	75	Havelock Road	75 Havelock Road	9	509	627	20	789.90	2	Mixed Development	150	999
Polygon	67	Havelock Road	67 Havelock Road	2	99	122	20	152.03	2	Mixed Development	150	999
Polygon	69	Havelock Road	69 Havelock Road	6	344	423	20	529.11	2	Mixed Development	150	999
Polygon	509/41A	Thimbagaaya Road	509/41A Thimbagaaya Road	3	153	188	11	234.95	2	Mixed Development	150	999
Polygon	509/38	Thimbagaaya Road	509/38 Thimbagaaya Road	2	121	149	11	186.95	2	Mixed Development	150	999
Polygon	509/41	Thimbagaaya Road	509/41 Thimbagaaya Road	3	168	206	11	257.76	2	Mixed Development	150	999
Polygon	509/44	Thimbagaaya Road	509/44 Thimbagaaya Road	3	155	191	11	238.49	2	Mixed Development	150	999
Polygon	509/45	Thimbagaaya Road	509/45 Thimbagaaya Road	2	136	167	11	208.95	2	Mixed Development	150	999
Polygon	0	Vacant Lot		3	195	240	0	300.32	2	Mixed Development	150	999
Polygon	521/14	Thimbagaaya Road	521/14 Thimbagaaya Road	2	93	114	11	142.74	2	Mixed Development	150	999
Polygon	521/15	Thimbagaaya Road	521/15 Thimbagaaya Road	3	171	210	11	262.49	2	Mixed Development	150	999
Polygon	0	Vacant Lot		4	248	305	0	382.30	2	Mixed Development	150	999
Polygon	0	Vacant Lot		5	319	392	0	490.24	2	Mixed Development	150	999
Polygon	0	Vacant Lot		5	322	395	0	494.34	2	Mixed Development	150	999
Polygon	0	Vacant Lot		31	1864	2294	0	2867.64	2	Mixed Development	150	999
Polygon	0	Vacant Lot		3	179	220	0	279.49	2	Mixed Development	150	999
Polygon	0	Vacant Lot		3	162	200	0	249.91	2	Mixed Development	150	999
Polygon	0	Vacant Lot		3	166	204	0	254.78	2	Mixed Development	150	999
Polygon	0	Vacant Lot		2	147	181	0	226.01	2	Mixed Development	150	999
Polygon	0	Vacant Lot		3	167	205	0	256.87	2	Mixed Development	150	999
Polygon	0	Vacant Lot		2	146	180	0	225.05	2	Mixed Development	150	999
Polygon	0	Vacant Lot		2	148	182	0	227.95	2	Mixed Development	150	999
Polygon	0	Vacant Lot		4	243	299	0	374.17	2	Mixed Development	150	999
Polygon	0	Vacant Lot		3	162	200	0	249.83	2	Mixed Development	150	999
Polygon	0	Vacant Lot		3	159	196	0	244.75	2	Mixed Development	150	999
Polygon	10	Vacant Lot		9	526	648	0	809.93	2	Mixed Development	150	999

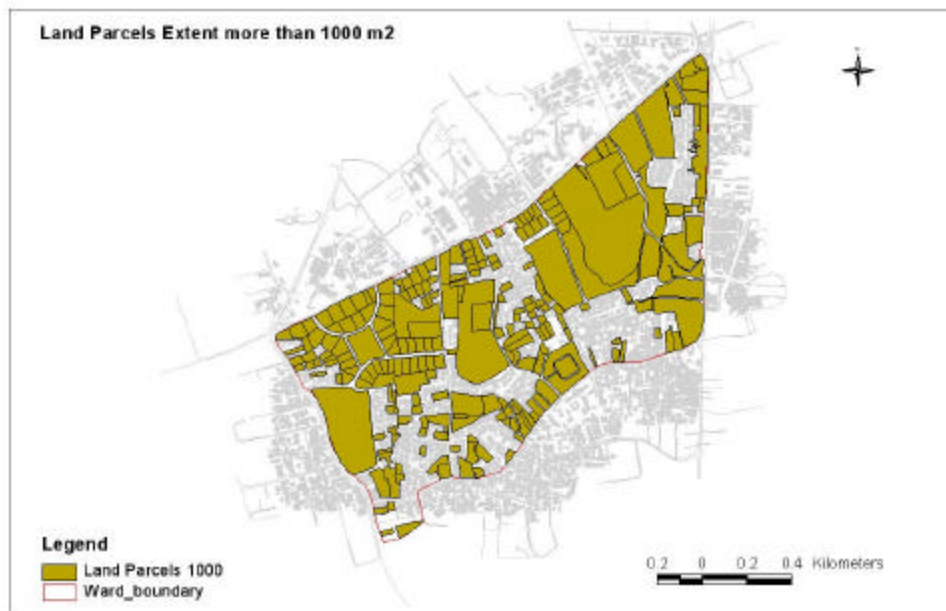
## APPENDIX D: Alternative Site Selections

Areas should be within the Special Primary Residential Zone.



**Figure D 1** Special Primary Residential Zone

Site extent more than 1000 square meters.



**Figure D 2** Land Parcel extent more than 1000 m<sup>2</sup>

Land Parcels Extent more than 1000 m<sup>2</sup> within the Special Primary Residential Zone



**Figure D 3** Land Parcel extent more than 1000 m<sup>2</sup> within the Special Primary Residential Zone

Population Density more than 50 persons per Hectares.



**Figure D 4** Population Density 50 persons per Hectare

Population Density 50 persons per Hectares and Land Parcels more than 1000 m<sup>2</sup> in Special Primary Residential Zone



**Figure D 5** Population Density 50 persons per Hectare and Land Parcels more than 1000 m<sup>2</sup> in Special Primary Residential Zone

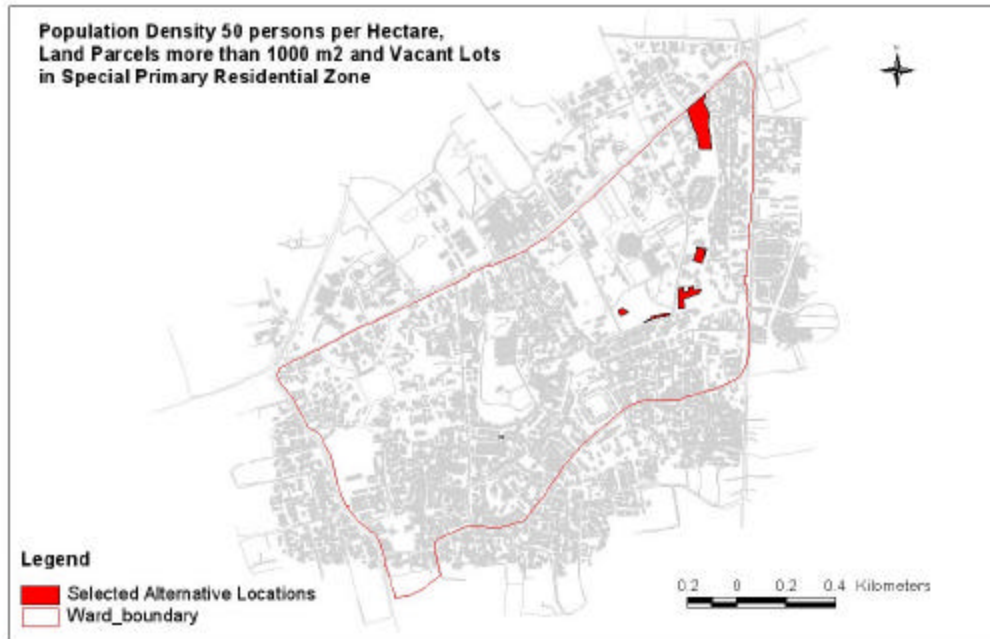
Areas selected undeveloped lots (Vacant Lots)



**Figure D 6** Identified Vacant lands



Population Density 50 persons per Hectare, Land Parcels more than 1000 m2 and Vacant Lots in Special Primary Residential Zone



**Figure D 7** Population Density 50 persons per Hectare, more than 1000 m2 and Vacant Lots in Special Primary Residential Zone

### Site Selection within Primary Residential Zone

Areas should be within the Primary Residential Zone.



**Figure D 8** Primary Residential Zone  
Site extent more than 250 square meters.



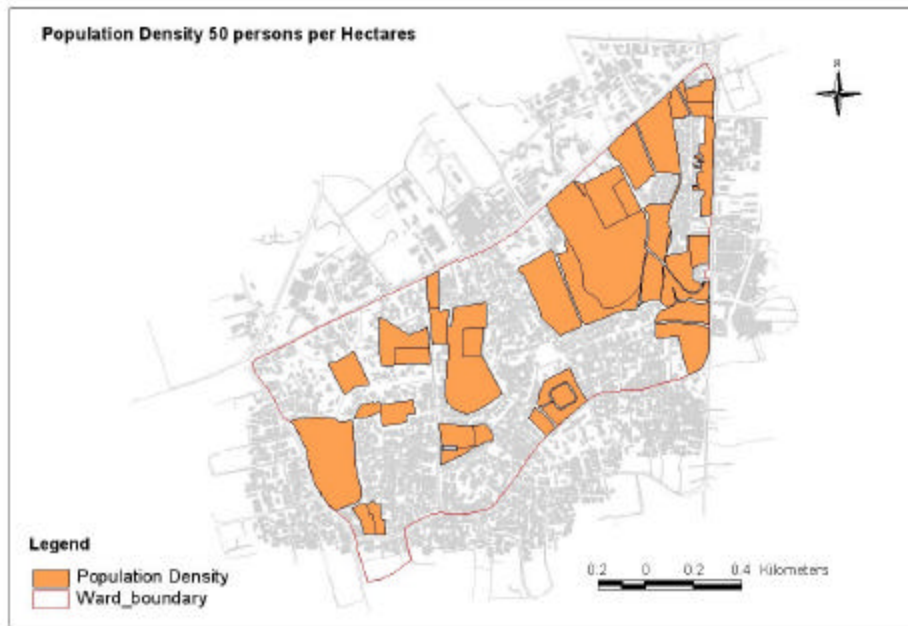
**Figure D 9** Land Parcels extent more than 250 m<sup>2</sup>

Land Parcels Extent more than 250 m2 in Primary Residential Zone



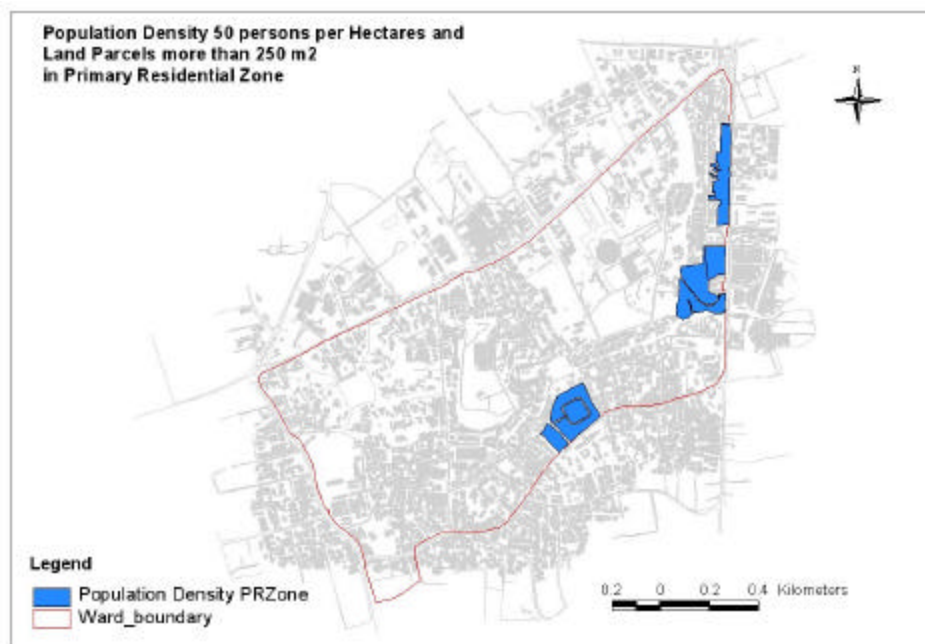
**Figure D 10** Land Parcels extent more than 250 m2 in Primary Residential Zone

Population Density more than 50 persons per Hectares.



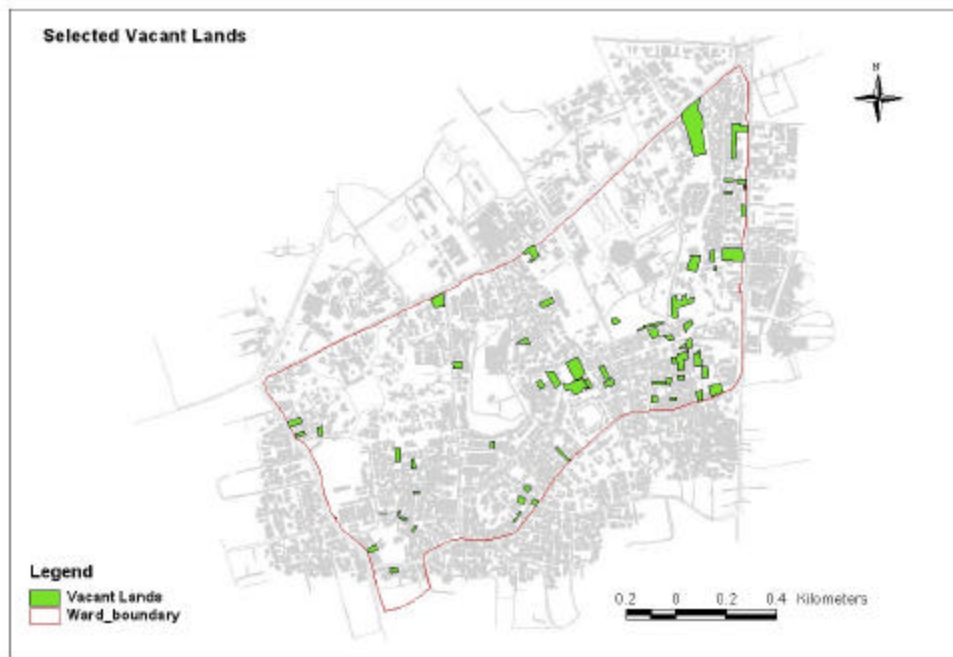
**Figure D 11** Population Density 50 persons per Hectare

Population Density 50 persons per Hectare and Land Parcels more than 250 m<sup>2</sup> in Primary Residential Zone

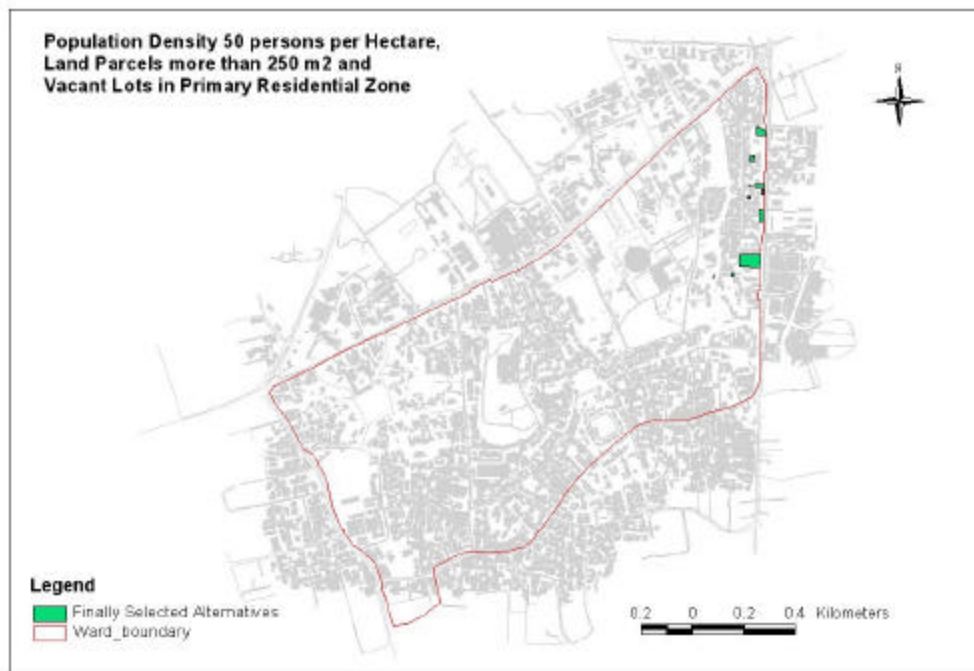


**Figure D 12** Population Density 50 persons per Hectare and Land Parcels extent more than 250 m<sup>2</sup> in Primary Residential Zone

Areas selected undeveloped lots (Vacant Lots)



**Figure D 13** Identified Vacant Lots  
 Population Density 50 persons per Hectare, Land Parcels more than 250 m2 and  
 Vacant Lots in Primary Residential Zone



**Figure D 14** Population Density 50 persons per Hectare, Land Parcels extent more  
 than 250 m2 and Vacant Lots in Primary Residential Zone

**APPENDIX E: Zoning Regulations**

**i. Special Primary Residential Zone.**

This zone is mainly for residential development and it will have housing units ranging from a single floor to a maximum of 3 floors including the ground floor.

The following uses may be permitted in the Special Primary Residential zone:

- a. Dwellings and flats up to a maximum of 3 stories (Ground + 2 floors) In addition a basement floor is permitted.
- b. Dormitories and hostels, children homes/orphanages, home for the aged.
- c. Diplomatic Embassies and Consulates.
- d. Hotels and Lodges not exceeding 10 rooms and with a gross floor area not exceeding 150 sq.m., with a site extent exceeding 1000 sq.m. or more.
- e. Restaurants with a maximum gross floor area of 150 sq.m. with a site extent exceeding 1000 sq.m. or more.
- f. Public Offices, Institutions, Bank offices with an site extent exceeding 1000 sq. m.
- g. Professional offices not exceeding a floor area of 50 sq.m. Professional uses include professional practice of those who are professionally employed as Lawyers, Engineers Architects Town Planners, and Doctors etc.
- h. Consumer oriented services such as barbershops, beauty parlours, studios, fitness centers not exceeding 100 sq.m. etc.

However, if the professional office of consumer oriented services are located within a residential unit the maximum floor area for such activities will be limited to 1/3 the plinth area of a such unit. The area for the change of use shall be clearly demarcated on a plan without any access to the existing residential area of the buildings.

Any of the existing uses could be continued in this zone until such time they are relocated to a suitable place.

- i. Petrol filling Stations
- j. Groceries not exceeding 50 sq.m.
- k. Places of Public Worship

If any professional practice is carried out in any residential building parking of vehicles should adhere to the requirements stipulated in the Schedule III of the Building and Planning regulations (volume II). No “on street” parking should be permitted. For the computation of number of parking spaces, the plinth area of the building and any out houses will be considered. However parking garages and areas reserved for any parking activity within the premises will be exempted from the computation.

The number of parking places required for such purposes indicated in categories (b) to (g) will have to be provided within the premises and no service charges will be acceptable in lieu of any parking that cannot be provided within the premises. All the parking required should be within the premises and if there is any risk of parking inside the premises, that risk should be borne by the occupier of the premises. No inconvenience should be caused to the neighbors by way of allowing on street parking.

Minimum lot size in Special Primary Residential zone should be as follows:

- i. Minimum extent 20 perches. - within Colombo Municipal Council limits
- ii. When the extent of existing lot is less than the stipulated extent in above, the number of floors should be restricted to two floors and a basement only.

The Architectural character of the buildings of this area should be residential and should follow the traditional architecture of the original building that existed on the site.

Landscaping shall be carried out along the frontage of the building to a depth of 2 mts. from the front boundary.

All other uses shall be prohibited in the Zone.

The existing trees which exist in the site should be preserved as much as possible.

When development s are considered for approval within this area, a special committee consisting of eminent persons (Qualified Persons) should be consulted prior to approval of plans.

## **ii. Primary Residential Zone.**

The following uses may be permitted in the Primary Residential Zone.

- a. All uses permitted in Special Primary Residential will be permitted in this zone.
- b. Multi storeyed housing complexes (maximum of 10 storeyes)
- c. Hotels and Lodges of 30 rooms and Restaurants of 300 sq.m. of floor area.
- d. Retail shops and Markets, Open air trading areas,
- e. Banking and Insurance establishments, Commercial Offices of a maximum floor area of 150 sq.m.
- f. The Professional and Personal (consumer) service establishments will be allowed in this zone. However, if it is located within a residential unit the maximum floor area for such activities will be limited to 1/2 the plinth area of such unit.
- g. Indoor - Amusement and Entertainment establishments,
- h. Places of Public Worship
- i. Socio - Cultural Institutions
- j. Multi - Storeyed car parks.
- k. If the Plot size is less than 10 perches in extent, the uses and heights of buildings permitted in a special primary residential zone area will only be permitted.

## **iii. Mixed Development Zone**

In a Mixed Development Zone, is intended to serve as a transitional area between the Primary Residential and Commercial zones.

The following uses may be permitted in the Mixed Development Zone:

- a. All the activities allowed in a Primary Residential Development Zone.
- b. Banks & Commercial Offices.
- c. Hotels, Lodges and Restaurants.
- d. Residential units could be converted in to Professional and Personal (consumer) Service establishments with the approval of the Authority, without a service charge.
- e. Departmental stores and Super Markets.
- f. Open Air Trading areas in identified areas.
- g. Multi-Storeyed housing Complexes.
- h. Laundries and Dry cleaning establishments.
- i. Repair shops excluding Automobile repairs.
- j. Health Institutions.
- k. Places of Public Assemblies.
- l. Educational institutions.

#### **iv. Commercial Zone**

In this zone Environmentally friendly non-polluting light industries such as assembling of electronic components, garment industries etc. are permitted. This zone is specifically set a aside for non -polluting industries, commercial activities engaged in high technology, high value added Industries and knowledge intensive activities.

The following categories will be permitted in the Commercial Zone:

- a. In this zone all the activities permitted in other zones are allowed except activities in port related activity zone
- b. Service stations of vehicles.
- c. Wholesale stores.
- d. Warehouses up to 500 sq.m.



- e. Bakeries
- f. Service Industries - Automobile Repair, Printing Presses etc.

**v. Port Related Activity Zone.**

This activity zone was established specially to accommodate the activities of the Colombo Port which is to be improved to a very high standard. In this zone individual residential units are discouraged. However the landowners will be allowed to construct a residential building on their wishes. All the Port related activities such as warehouses, container yards, and value added industries; non-polluting light industries, installation of power generating machines etc. are permitted.

- a. Sub-division of lands into lots less than 25 perches will not be permitted for port related activities. However existing lot sizes could be continued to use provided they adhere to other planning and building regulations.
- b. The road width has to be 40 ft.
- c. A Buffer zone has to be maintained around the site.
- d. A clearance letter has to be obtained from the Ports Authority.
- e. Parking on the road is strictly prohibited
- f. Multi-storyed housing complexes.

The Authority may permit within the Zone any use provided it is satisfied that such use will not:

- Restrict use of the area for noxious industries
- Hinder traffic movement and create traffic hazards

The extent of the site should be adequate for the use and sufficient arrangements should be made for parking, loading and unloading of goods, water supply, effluent and waste disposal and safety from fire and other hazards.

In permitting any use in the area, the Authority may impose restrictions and conditions so as to eliminate or reduce water, air and environmental pollution, vibration and glare and to ensure safety from fire and other hazards.

**vi. Recreational Zone**

The following will be permitted in this zone:

- a. Residential, Apartments, Commercial Offices, Banks, Restaurants, Hotels & Departmental shops as specified by the Development Guide Plan.
- b. Water Sports, Bowling Alley, Promenades, Formal Pedestrian Mall/Walkway, Plaza, Linear Park Connectors, Golf Courses, Fair and Exhibition grounds, Recreation clubs, Gymnasiums and Swimming pools, Aquariums, Recreation Related Commercial Activities, Cemeteries, Restaurants
- c. In the Recreational Zone the following uses shall not be permitted.
  - Industries and Industrial Buildings
  - Dangerous and Offensives trades
  - The Authority may from time to time add to the list in
- d. Above uses which it may consider should be prohibited in the zone.

**vii. Environmental Conservation Zone**

In the Environmental Conservation Zone the process of building development should be controlled. It is intended to retain areas in their existing state mainly as open spaces, land reserves, urban agriculture farms, swamp & marshy areas, other natural open space areas, scrub lands & paddy fields.

The following uses may be permitted.

- a. Limited Recreation and Tourism Activities in approved Areas According to Plan.
- b. Agro technology Parks

- c. Agriculture farm (Eg. Aquarium fish)
  - d. Plant Nursery
  - e. Buildings related to Forestry activities permitted by the Forest Act.
  - f. Buildings to protect the environmental services areas.
- In the Environmental Conservation Zone the following uses shall be prohibited:
    - a. Residential uses other than farmhouses and buildings permitted in the Forest Act.
    - b. Commercial uses other than those related to Eco – Tourism
    - c. Industries and Industrial Buildings.
    - d. Dangerous and offensive trades.
  - The Authority may from time to time by notification add to the above list other uses which it may consider should be prohibited in the Zone.
  - Effective working committee and project approving agency to be established which would constitute of all agencies related to the activities in this zone to protect and promote the environment.

### **viii. Concentrated Development Zone**

In this zone high-density development is permitted subject to individual merits of each site. The guidelines for high-rise buildings are given in Form C of Regulation 35 and other relevant regulation for High Rise Development as in Planning & Building Regulation of 1999. Minimum number of floors should not be less than ten stories. All activities in other zones are permitted except the activities permitted in the Port related zone (UDA, 1999)

**APPENDIX F : Land Subdivision Limitations**

**Table F 1** Land subdivision limitations in different zones

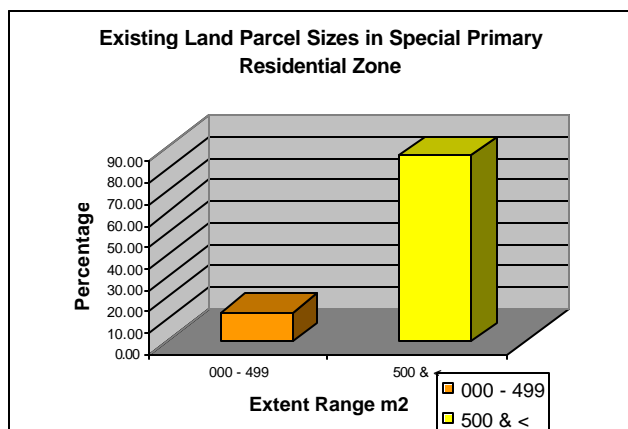
Extent Range m2	Sp. Pr. Res. Zone	Sp. Pr. Res. Zone
011 - 499	111535.09	13.47
500 & <	716639.07	86.53
<b>Total</b>	<b>828174.16</b>	<b>100.00</b>

Extent Range m2	Pr. Res. Zone	Pr. Res. Zone
011 - 249	21859.21	7.06
250 & <	287695.92	92.94
<b>Total</b>	<b>309555.13</b>	<b>100.00</b>

Extent Range m2	Mix. Dev. Zone	Mix. Dev. Zone
011 - 149	2199.09	3.03
150 & <	70438.8	96.97
<b>Total</b>	<b>72637.89</b>	<b>100.00</b>



**Figure F 1** Existing Land Parcel Sizes in SPRZ

**Table F 2** Land subdivision requirements in different zones

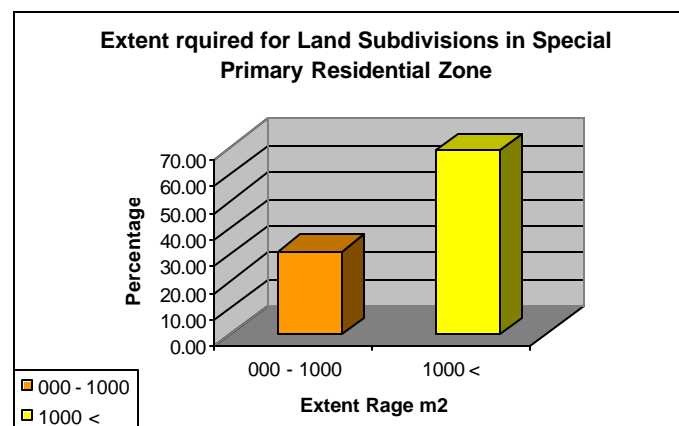
Extent Range m2	Sp. Pr. Res. Zone	Sp. Pr. Res. Zone
0011 - 1000	258052.59	31.16
1000 <	570121.57	68.84
	<b>828174.16</b>	100.00

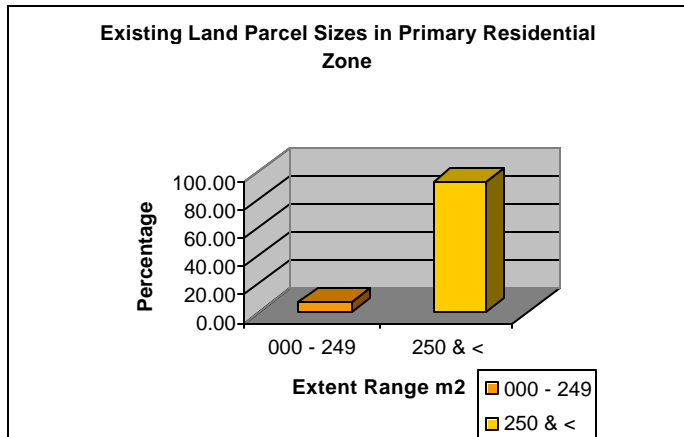
Extent Range m2	Pr. Res. Zone	Pr. Res. Zone
011 - 500	95622.43	30.89
500 <	213932.70	69.11
	<b>309555.13</b>	100.00

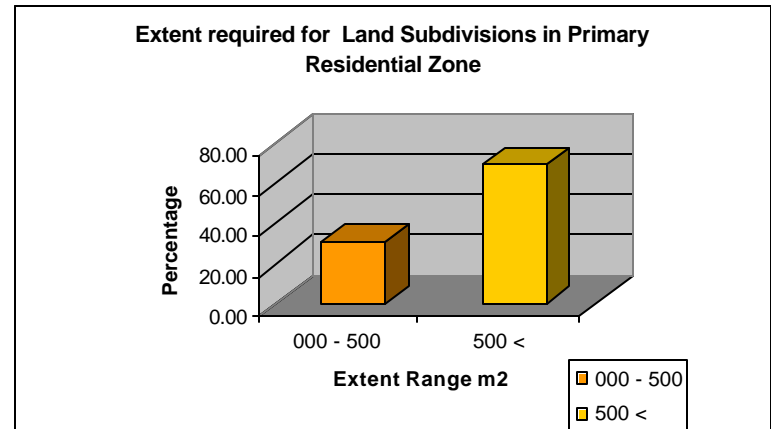
Extent Range m2	Mix. Dev. Zone	Mix. Dev. Zone
011 - 300	8932.42	12.30
300 <	63705.47	87.70
	<b>72637.89</b>	100.00



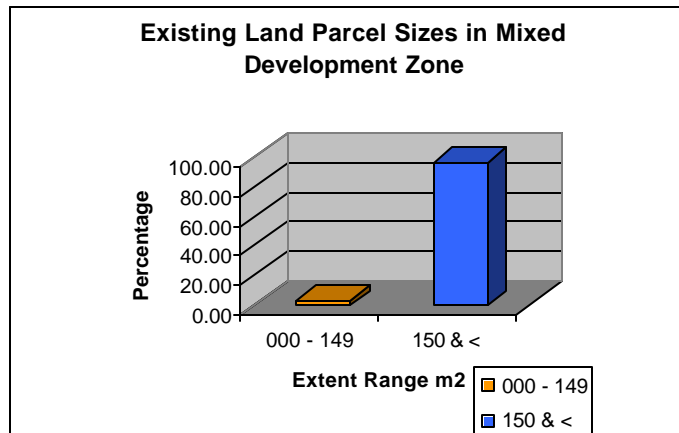
**Figure F 2** Proposed Subdivision Sizes in SPRZ



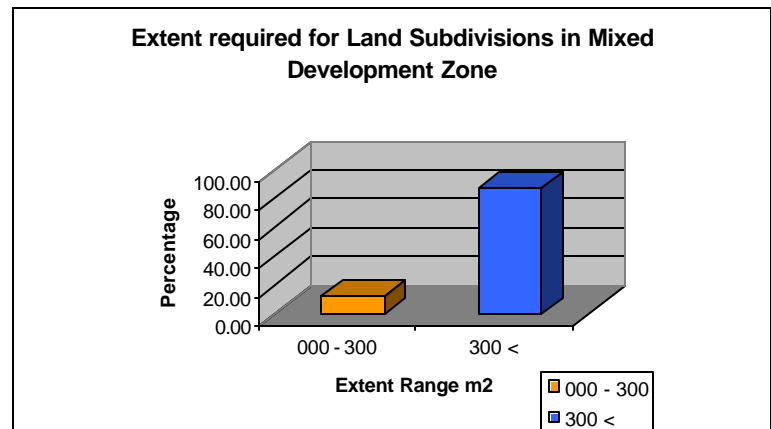
**Figure F 3** Existing Land Parcel Sizes in PRZ



**Figure F 4** Existing Land Parcel Sizes in PRZ



**Figure F 5** Existing Land Parcel Sizes in MDZ



**Figure F 6** Existing Land Parcel Sizes in MDZ

## APPENDIX G : Land Parcels Extent Accuracy

Table G 1 Land parcels sample 1

Asst. Number	ROAD_NAME	Selected Locations	Digital Extent_m2	Land Parcels Extent_cm2	Grid_Error_cm2	Extent Error_cm2	Actual Extent_cm2	Land Parcels Extent_m2	Extent Difference_m2	Extent Difference per m2	Extent Difference (abs) m2
1	Ascot Avenue	iii	351.56	5.50	-0.025	0.14	5.64	353.62	2.06	0.01	0.01
6	Ascot Avenue	iii	420.55	6.75	-0.025	0.17	6.92	433.99	13.44	0.03	0.03
4A	Ascot Avenue	iii	369.29	5.50	-0.025	0.14	5.64	353.62	-15.67	-0.04	0.04
12	Ascot Avenue	iii	573.81	9.25	-0.025	0.23	9.48	594.72	20.91	0.04	0.04
226	Bauddhaloka Mawatha	viii	2403.77	36.75	-0.025	0.92	37.67	2362.83	-40.94	-0.02	0.02
222A	Bauddhaloka Mawatha	viii	503.04	7.75	-0.025	0.19	7.94	498.28	-4.76	-0.01	0.01
222	Bauddhaloka Mawatha	viii	2881.28	44.50	-0.025	1.11	45.61	2861.11	-20.17	-0.01	0.01
410/114	Bauddhaloka Mawatha	iv	371.69	5.75	-0.025	0.14	5.89	369.69	-2.00	-0.01	0.01
410/113A	Bauddhaloka Mawatha	iv	176.79	2.75	-0.025	0.07	2.82	176.81	0.02	0.00	0.00
410/115	Bauddhaloka Mawatha	iv	494.56	7.50	-0.025	0.19	7.69	482.21	-12.35	-0.03	0.03
410/116	Bauddhaloka Mawatha	iv	455.11	7.25	-0.025	0.18	7.43	466.14	11.03	0.02	0.02
410/117	Bauddhaloka Mawatha	iv	496.95	7.75	-0.025	0.19	7.94	498.28	1.33	0.00	0.00
410/119	Bauddhaloka Mawatha	iv	492.56	7.75	-0.025	0.19	7.94	498.28	5.72	0.01	0.01
410/120	Bauddhaloka Mawatha	iv	493.87	7.25	-0.025	0.18	7.43	466.14	-27.73	-0.06	0.06
410/106	Bauddhaloka Mawatha	iv	246.03	3.75	-0.025	0.09	3.84	241.10	-4.93	-0.02	0.02
410/107	Bauddhaloka Mawatha	iv	496.03	8.00	-0.025	0.20	8.20	514.36	18.33	0.04	0.04
410/108	Bauddhaloka Mawatha	iv	234.14	3.75	-0.025	0.09	3.84	241.10	6.96	0.03	0.03
410/109	Bauddhaloka Mawatha	iv	500.69	8.00	-0.025	0.20	8.20	514.36	13.67	0.03	0.03
22	Buller's Lane	v	846.54	13.75	-0.025	0.34	14.09	884.05	37.51	0.04	0.04
20	Buller's Lane	v	1568.07	24.75	-0.025	0.62	25.37	1591.29	23.22	0.01	0.01
18A	Buller's Lane	v	428.48	7.00	-0.025	0.18	7.18	450.06	21.58	0.05	0.05
18	Buller's Lane	v	593.20	9.75	-0.025	0.24	9.99	626.87	33.67	0.05	0.05
14	Buller's Lane	v	391.50	6.75	-0.025	0.17	6.92	433.99	42.49	0.10	0.10
8	Buller's Lane	v	1542.16	24.50	-0.025	0.61	25.11	1575.22	33.06	0.02	0.02
29	Havelock Road	vi	721.64	11.75	-0.025	0.29	12.04	755.46	33.82	0.04	0.04
31	Havelock Road	vi	342.56	5.25	-0.025	0.13	5.38	337.55	-5.01	-0.01	0.01
25	Havelock Road	vi	515.52	8.25	-0.025	0.21	8.46	530.43	14.91	0.03	0.03

27	Havelock Road	vi	351.44	7.75	-0.025	0.19	7.94	498.28	146.84	0.29	0.29
23	Havelock Road	vi	616.35	10.75	-0.025	0.27	11.02	691.17	74.82	0.11	0.11
23/1	Havelock Road	vi	530.28	8.50	-0.025	0.21	8.71	546.50	16.22	0.03	0.03
19	Havelock Road	vi	1103.34	18.00	-0.025	0.45	18.45	1157.30	53.96	0.05	0.05
19/2	Havelock Road	vi	345.34	5.75	-0.025	0.14	5.89	369.69	24.35	0.07	0.07
19/1	Havelock Road	vi	1222.88	19.50	-0.025	0.49	19.99	1253.74	30.86	0.02	0.02
9	Jayarathne Avenue	i	361.54	5.85	-0.025	0.15	6.00	376.12	14.58	0.04	0.04
7	Jayarathne Avenue	i	526.47	8.75	-0.025	0.22	8.97	562.58	36.11	0.06	0.06
5	Jayarathne Avenue	i	438.85	6.75	-0.025	0.17	6.92	433.99	-4.86	-0.01	0.01
4	Jayarathne Avenue	i	421.22	7.25	-0.025	0.18	7.43	466.14	44.92	0.10	0.10
6	Jayarathne Avenue	i	363.12	5.50	-0.025	0.14	5.64	353.62	-9.50	-0.03	0.03
29	Keppetipola Road	vii	2650.78	41.00	-0.025	1.03	42.03	2636.08	-14.70	-0.01	0.01
31	Keppetipola Road	vii	2568.50	41.25	-0.025	1.03	42.28	2652.15	83.65	0.03	0.03
33	Keppetipola Road	vii	2630.21	42.50	-0.025	1.06	43.56	2732.52	102.31	0.04	0.04
35	Keppetipola Road	vii	2484.37	39.50	-0.025	0.99	40.49	2539.64	55.27	0.02	0.02
37	Keppetipola Road	vii	2750.44	44.00	-0.025	1.10	45.10	2828.96	78.52	0.03	0.03
38	Keppetipola Road	vii	2660.85	42.00	-0.025	1.05	43.05	2700.37	39.52	0.01	0.01
5	Sakvithi Lane	iii	378.61	6.00	-0.025	0.15	6.15	385.77	7.16	0.02	0.02
7	Sakvithi Lane	iii	402.45	6.50	-0.025	0.16	6.66	417.91	15.46	0.04	0.04
9	Sakvithi Lane	iii	422.44	6.50	-0.025	0.16	6.66	417.91	-4.53	-0.01	0.01
17	Sakvithi Lane	iii	434.69	6.81	-0.025	0.17	6.98	437.85	3.16	0.01	0.01
33	Thimbrigasyaya Place	ii	513.88	8.75	-0.025	0.22	8.97	562.58	48.70	0.09	0.09
29	Thimbrigasyaya Place	ii	575.81	9.00	-0.025	0.23	9.23	578.65	2.84	0.00	0.00
27	Thimbrigasyaya Place	ii	253.72	4.50	-0.025	0.11	4.61	289.33	35.61	0.12	0.12
23	Thimbrigasyaya Place	ii	268.28	4.50	-0.025	0.11	4.61	289.33	21.05	0.07	0.07
19	Thimbrigasyaya Place	ii	254.72	3.75	-0.025	0.09	3.84	241.10	-13.62	-0.06	0.06
15	Thimbrigasyaya Place	ii	200.01	3.00	-0.025	0.08	3.08	192.88	-7.13	-0.04	0.04
30/5	Thimbrigasyaya Place	ii	312.78	5.00	-0.025	0.13	5.13	321.47	8.69	0.03	0.03
<b>Total</b>								<b>46045.19</b>			<b>2.18</b>
<b>Total Average Extent Error</b>								<b>0.0397</b>			
<b>Total Error calculations per Hectare</b>								<b>0.47</b>			

**Table G 2** Land parcels sample 2

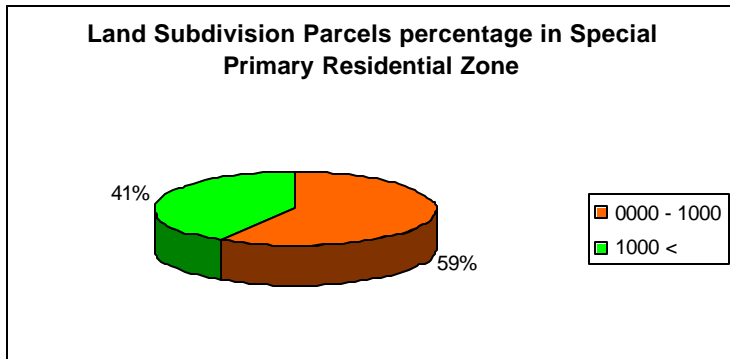
Asst. Number	ROAD_NAME	Selected Locations	Digital Extent_m2	Land Parcels Extent_cm2	Grid_Error_cm2	Extent Error_cm2	Actual Extent_cm2	Land Parcels Extent_m2	Extent Difference_m2	Extent Difference per m2	Extent Difference_abs_m2
5	Ascot Avenue	iii	325.26	5.00	-0.025	0.13	5.13	321.47	-3.79	-0.01	0.01
3	Ascot Avenue	iii	559.62	9.00	-0.025	0.23	9.23	578.65	19.03	0.03	0.03
8	Ascot Avenue	iii	502.89	7.75	-0.025	0.19	7.94	498.28	-4.61	-0.01	0.01
10	Ascot Avenue	iii	510.80	8.00	-0.025	0.20	8.20	514.36	3.56	0.01	0.01
410/110	Bauddhaloka Mawatha	iv	496.03	7.50	-0.025	0.19	7.69	482.21	-13.82	-0.03	0.03
410/111	Bauddhaloka Mawatha	iv	273.78	4.50	-0.025	0.11	4.61	289.33	15.55	0.05	0.05
410/111A	Bauddhaloka Mawatha	iv	200.52	3.25	-0.025	0.08	3.33	208.96	8.44	0.04	0.04
410/112	Bauddhaloka Mawatha	iv	474.37	7.25	-0.025	0.18	7.43	466.14	-8.23	-0.02	0.02
410/113	Bauddhaloka Mawatha	iv	407.63	6.25	-0.025	0.16	6.41	401.84	-5.79	-0.01	0.01
410/36	Bauddhaloka Mawatha	iv	419.30	6.75	-0.025	0.17	6.92	433.99	14.69	0.03	0.03
410/33A	Bauddhaloka Mawatha	iv	188.46	3.00	-0.025	0.08	3.08	192.88	4.42	0.02	0.02
410/33	Bauddhaloka Mawatha	iv	129.94	2.25	-0.025	0.06	2.31	144.66	14.72	0.10	0.10
410/31	Bauddhaloka Mawatha	iv	276.54	4.50	-0.025	0.11	4.61	289.33	12.79	0.04	0.04
410/32	Bauddhaloka Mawatha	iv	273.02	4.50	-0.025	0.11	4.61	289.33	16.31	0.06	0.06
232	Bauddhaloka Mawatha	viii	4106.76	62.00	-0.025	1.55	63.55	3986.26	-120.50	-0.03	0.03
224	Bauddhaloka Mawatha	viii	3130.20	48.50	-0.025	1.21	49.71	3118.29	-11.91	0.00	0.00
220A	Bauddhaloka Mawatha	viii	903.59	14.00	-0.025	0.35	14.35	900.12	-3.47	0.00	0.00
220	Bauddhaloka Mawatha	viii	2375.49	35.00	-0.025	0.88	35.88	2250.31	-125.18	-0.06	0.06
4	Buller's Lane	v	873.37	14.25	-0.025	0.36	14.61	916.20	42.83	0.05	0.05
17	Buller's Lane	v	651.22	10.00	-0.025	0.25	10.25	642.95	-8.27	-0.01	0.01
15	Buller's Lane	v	624.79	10.50	-0.025	0.26	10.76	675.09	50.30	0.07	0.07
7	Buller's Lane	v	657.01	10.00	-0.025	0.25	10.25	642.95	-14.06	-0.02	0.02
9&11	Buller's Lane	v	669.77	10.50	-0.025	0.26	10.76	675.09	5.32	0.01	0.01
3	Buller's Lane	v	979.68	15.75	-0.025	0.39	16.14	1012.64	32.96	0.03	0.03
5	Buller's Lane	v	815.68	12.75	-0.025	0.32	13.07	819.76	4.08	0.00	0.00
16	Buller's Lane	v	398.21	6.50	-0.025	0.16	6.66	417.91	19.70	0.05	0.05
15	Havelock Road	vi	2132.32	36.00	-0.025	0.90	36.90	2314.60	182.28	0.08	0.08



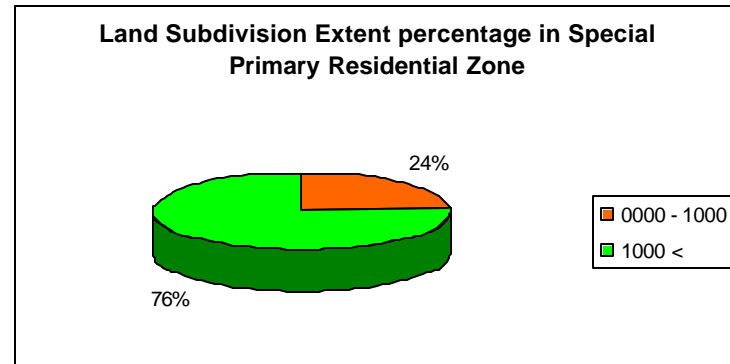
11	Havelock Road	vi	46.64	0.75	-0.025	0.02	0.77	48.22	1.58	0.03	0.03
11A	Havelock Road	vi	52.93	1.00	-0.025	0.03	1.03	64.29	11.36	0.18	0.18
11/7	Havelock Road	vi	271.55	4.50	-0.025	0.11	4.61	289.33	17.78	0.06	0.06
11/5	Havelock Road	vi	182.83	3.00	-0.025	0.08	3.08	192.88	10.05	0.05	0.05
11/3	Havelock Road	vi	577.83	9.50	-0.025	0.24	9.74	610.80	32.97	0.05	0.05
9	Havelock Road	vi	1789.42	29.50	-0.025	0.74	30.24	1896.69	107.27	0.06	0.06
5	Havelock Road	vi	928.83	14.50	-0.025	0.36	14.86	932.27	3.44	0.00	0.00
3	Havelock Road	vi	770.42	13.00	-0.025	0.33	13.33	835.83	65.41	0.08	0.08
26	Jayarathne Avenue	i	200.02	3.25	-0.025	0.08	3.33	208.96	8.94	0.04	0.04
24	Jayarathne Avenue	i	152.75	2.50	-0.025	0.06	2.56	160.74	7.99	0.05	0.05
22	Jayarathne Avenue	i	179.66	2.75	-0.025	0.07	2.82	176.81	-2.85	-0.02	0.02
14	Jayarathne Avenue	i	229.69	3.75	-0.025	0.09	3.84	241.10	11.41	0.05	0.05
12	Jayarathne Avenue	i	189.35	3.00	-0.025	0.08	3.08	192.88	3.53	0.02	0.02
36	Keppetipola Road	vii	2367.89	37.13	-0.025	0.93	38.06	2387.26	19.37	0.01	0.01
34	Keppetipola Road	vii	2658.23	41.13	-0.025	1.03	42.16	2644.44	-13.79	-0.01	0.01
32	Keppetipola Road	vii	2675.07	41.25	-0.025	1.03	42.28	2652.15	-22.92	-0.01	0.01
28	Keppetipola Road	vii	2291.38	36.50	-0.025	0.91	37.41	2346.75	55.37	0.02	0.02
30	Keppetipola Road	vii	2657.35	42.50	-0.025	1.06	43.56	2732.52	75.17	0.03	0.03
15	Sakvithi Lane	iii	455.34	7.00	-0.025	0.18	7.18	450.06	-5.28	-0.01	0.01
11	Sakvithi Lane	iii	400.65	6.50	-0.025	0.16	6.66	417.91	17.26	0.04	0.04
14	Sakvithi Lane	iii	452.19	6.81	-0.025	0.17	6.98	437.85	-14.34	-0.03	0.03
18	Sakvithi Lane	iii	542.55	8.50	-0.025	0.21	8.71	546.50	3.95	0.01	0.01
20	Sakvithi Lane	iii	621.19	10.00	-0.025	0.25	10.25	642.95	21.76	0.03	0.03
9	Thimbirigasyaya Place	ii	212.26	3.00	-0.025	0.08	3.08	192.88	-19.38	-0.10	0.10
16	Thimbirigasyaya Place	ii	274.84	4.00	-0.025	0.10	4.10	257.18	-17.66	-0.07	0.07
20	Thimbirigasyaya Place	ii	350.54	5.50	-0.025	0.14	5.64	353.62	3.08	0.01	0.01
28	Thimbirigasyaya Place	ii	284.67	4.50	-0.025	0.11	4.61	289.33	4.66	0.02	0.02
30/1	Thimbirigasyaya Place	ii	215.28	3.25	-0.025	0.08	3.33	208.96	-6.32	-0.03	0.03
<b>Total</b>								<b>45894.74</b>			<b>2.01</b>
<b>Total Average Extent Error</b>								<b>0.0365</b>			
<b>Total Error calculations per Hectare</b>								<b>0.44</b>			

**Table G 3** Land Subdivision Sample 1

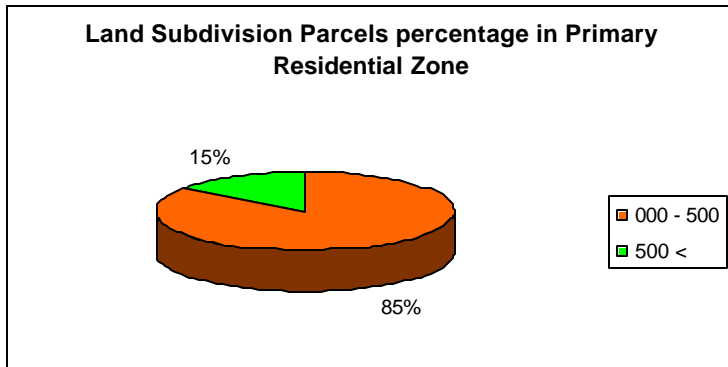
Extent Range m2	Sp. Pr. Res. Zone Extent m2	Land Parcels	Parcels %	Extent %
0011 - 1000	8297.09	17	58.62	23.87
1000 <	26466.65	12	41.38	76.13
<b>Total</b>	<b>34763.74</b>	<b>29</b>	<b>100.00</b>	<b>100.00</b>
<b>Pr. Res. Zone Extent m2</b>				
011 - 500	8026.83	22	84.62	78.76
500 <	2164.19	4	15.38	21.24
<b>Total</b>	<b>10191.02</b>	<b>26</b>	<b>100.00</b>	<b>100.00</b>



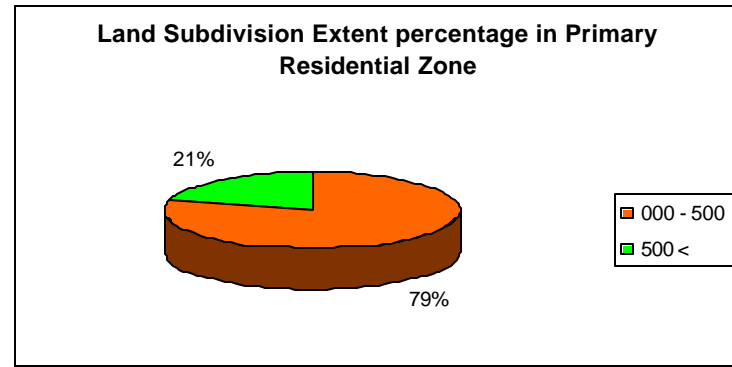
**Figure G 1** Land Subdivisions in SPR Zone



**Figure G 2** Land Subdivisions in SPR Zone



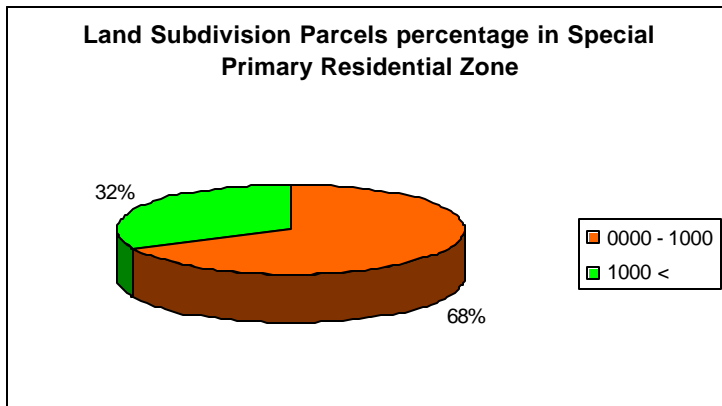
**Figure G 3** Land Subdivisions in PR Zone



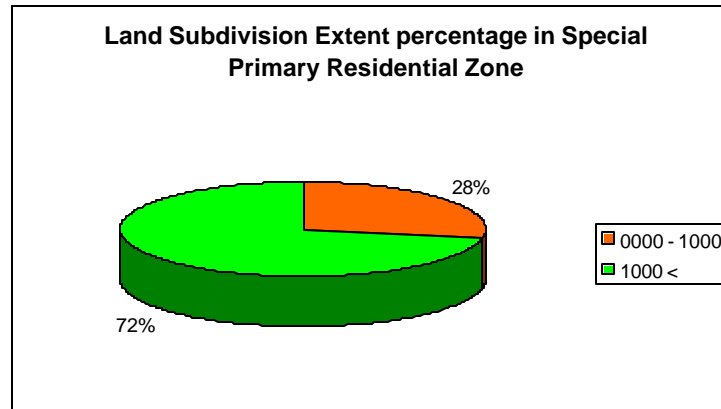
**Figure G 4** Land Subdivisions in PR Zone

**Table G 4** Land Subdivision Sample 2

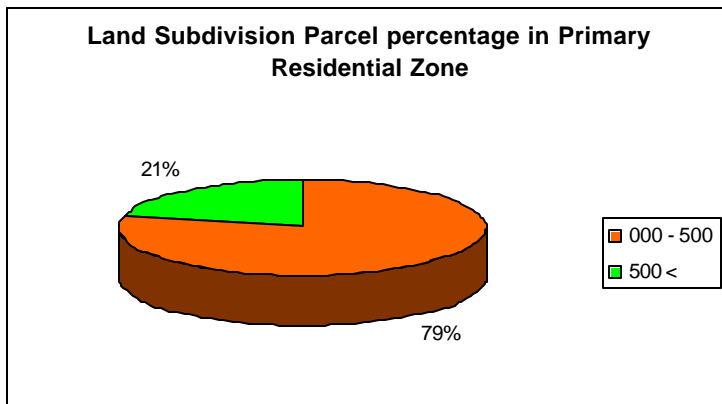
Extent Range m2	Sp. Pr. Res. Zone Extent m2	Land Parcels	Parcels %	Extent %
0011 - 1000	10355.82	21	67.74	28.34
1000 <	26184.11	10	32.26	71.66
<b>Total</b>	<b>36539.93</b>	<b>31</b>	<b>100.00</b>	<b>100.00</b>
<b>Pr. Res. Zone Extent m2</b>				
011 - 500	6110.62	19	79.17	69.06
500 <	2737.05	5	20.83	30.94
<b>Total</b>	<b>8847.67</b>	<b>24</b>	<b>100.00</b>	<b>100.00</b>



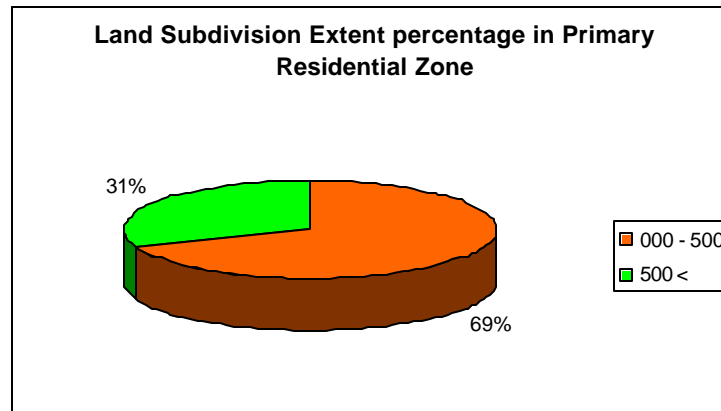
**Figure G 5** Land Subdivisions in SPR Zone



**Figure G 6** Land Subdivisions in SPR Zone



**Figure G 7** Land Subdivisions in PR Zone



**Figure G 8** Land Subdivisions in SPR Zone