




# The Study on Integrated Development Strategy for Danang City and Its Neighboring Area in the Socialist Republic of Vietnam (DaCRISS)

FINAL REPORT / Annex 1

## Voices of 5,000 Households in Danang City



December 2010

ALMEC Corporation  
International Development Center of Japan

EID

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**JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)  
DANANG PEOPLE'S COMMITTEE**

**THE STUDY ON INTEGRATED DEVELOPMENT STRATEGY  
FOR DANANG CITY AND ITS NEIGHBORING AREA  
IN THE SOCIALIST REPUBLIC OF VIETNAM  
(DACRISS)**

**FINAL REPORT**

**ANNEX 1**

**VOICES OF 5,000 HOUSEHOLDS IN DANANG CITY**

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**ALMEC CORPORATION  
INTERNATIONAL DEVELOPMENT CENTER OF JAPAN**

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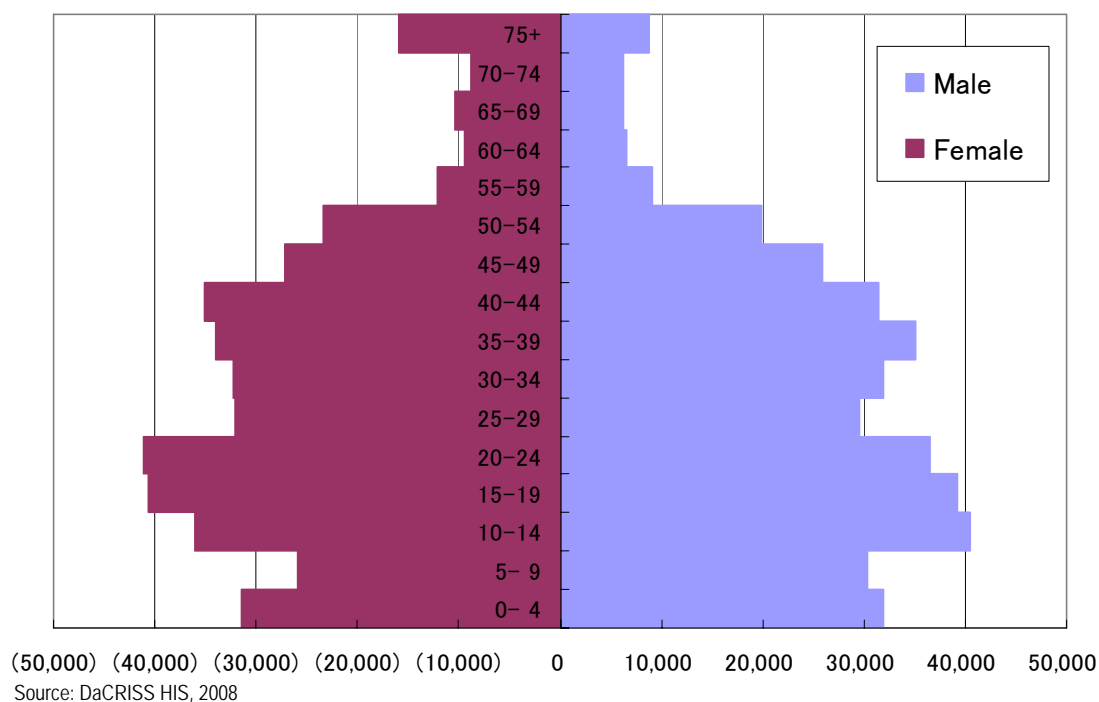
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# 1 SOCIO-ECONOMIC PROFILE OF DANANG CITY RESIDENTS

**Table 1.1 Demographic Pattern in Danang City**

Age Group	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
0 - 4	13,693	12,491	9,829	5,783	6,061	5,641	9,909	63,407
5 - 9	11,778	11,807	8,554	3,923	5,577	4,958	9,584	56,181
10 - 14	13,590	15,750	11,299	5,750	6,489	9,118	14,565	76,561
15 - 19	17,207	15,151	12,126	6,799	6,689	9,259	12,578	79,809
20 - 24	17,614	16,443	13,684	5,581	5,872	9,091	9,445	77,730
25 - 29	15,938	12,502	9,057	4,125	5,707	8,040	6,269	61,638
30 - 34	14,480	13,820	10,486	5,603	5,804	5,993	8,047	64,233
35 - 39	16,422	14,670	10,783	4,400	5,693	6,921	10,164	69,053
40 - 44	14,370	13,299	10,348	4,720	5,842	7,896	10,093	66,568
45 - 49	14,336	11,661	7,266	3,619	4,490	5,611	6,105	53,088
50 - 54	12,269	8,761	6,077	2,961	2,686	4,833	5,649	43,236
55 - 59	7,369	4,378	2,905	1,109	1,550	2,020	1,929	21,260
60 - 64	5,159	3,606	2,967	795	1,049	1,375	1,160	16,111
65 - 69	5,396	3,642	2,401	520	1,341	1,291	2,035	16,626
70 - 74	5,164	3,735	1,610	417	1,537	1,201	1,505	15,169
75 +	8,862	5,880	2,909	598	1,754	1,514	3,295	24,812
Total	193,647	167,596	122,301	56,703	68,141	84,762	112,332	805,482

**Figure 1.1 Population by Age Group 2008**



**Table 1.2 Population by Occupation and District**

Type of Occupation	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Manager	1,419	870	425	125	483	341	102	3,765
Professional/technical	26,381	17,945	7,642	6,551	6,276	5,754	6,480	77,029
Farmer/fisherman	123	1,492	2,878	2,228	4,516	1,527	18,479	31,243
Military/police	1,602	1,412	2,771	614	597	358	574	7,928
Skilled worker	22,251	19,701	15,178	7,275	9,479	14,948	11,051	99,883
Unskilled worker	9,743	10,612	10,965	3,751	5,501	4,536	8,466	53,574
Small-scale vender	19,311	19,608	12,638	3,317	5,284	10,833	8,437	79,428
Own business	5,068	4,748	3,090	2,350	1,242	3,228	1,317	21,043
Student in higher education	11,638	10,338	6,512	3,173	2,532	4,616	3,413	42,222
School student	33,033	32,802	24,894	12,788	14,842	18,716	29,507	166,582
Housewife	11,394	9,865	6,197	2,373	1,747	2,895	1,652	36,123
No Job	7,100	4,828	3,807	957	2,578	4,675	3,973	27,918
Retired	15,119	6,505	5,008	2,193	1,665	2,872	964	34,326
Too young to work	269	279	356	114	132	106	517	1,773
Other	11,259	9,969	7,841	1,777	3,656	2,270	4,635	41,407
Total	175,710	150,974	110,202	49,586	60,530	77,675	99,567	724,244

**Table 1.3 Population by Occupation and District (% by District)**

Type of Occupation	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Manager	1	1	0	0	1	0	0	1
Professional/technical	15	12	7	13	10	7	7	11
Farmer/fisherman	0	1	3	4	7	2	19	4
Military/police	1	1	3	1	1	0	1	1
Skilled worker	13	13	14	15	16	19	11	14
Unskilled worker	6	7	10	8	9	6	9	7
Small-scale vender	11	13	11	7	9	14	8	11
Own business	3	3	3	5	2	4	1	3
Student in higher education	7	7	6	6	4	6	3	6
School student	19	22	23	26	25	24	30	23
Housewife	6	7	6	5	3	4	2	5
No Job	4	3	3	2	4	6	4	4
Retired	9	4	5	4	3	4	1	5
Too young to work	0	0	0	0	0	0	1	0
Other	6	7	7	4	6	3	5	6
Total	100	100	100	100	100	100	100	100

**Table 1.4 Population by Occupation and District (% by Occupation)**

Type of Occupation	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Manager	38	23	11	3	13	9	3	100
Professional/technical	34	23	10	9	8	7	8	100
Farmer/fisherman	0	5	9	7	14	5	59	100
Military/police	20	18	35	8	8	5	7	100
Skilled worker	22	20	15	7	9	15	11	100
Unskilled worker	18	20	20	7	10	8	16	100
Small-scale vender	24	25	16	4	7	14	11	100
Own business	24	23	15	11	6	15	6	100
Student in higher education	28	24	15	8	6	11	8	100
School student	20	20	15	8	9	11	18	100
Housewife	32	27	17	7	5	8	5	100
No Job	25	17	14	3	9	17	14	100
Retired	44	19	15	6	5	8	3	100
Too young to work	15	16	20	6	7	6	29	100
Other	27	24	19	4	9	5	11	100
Total	24	21	15	7	8	11	14	100

**Table 1.5 Employment by District**

Employment Sector	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Agriculture and forestry	401	166	425	2,420	4,528	1,500	19,625	29,065
Fishery	1,067	2,180	5,972	348	230	424	296	10,517
Mining & quarrying	37	152	101	353	250	193	249	1,335
Manufacturing	6,218	8,049	7,156	5,799	6,564	9,353	9,050	52,189
Electricity, gas & water supply	2,934	1,052	926	157	825	631	740	7,265
Construction	5,109	5,243	3,158	3,261	3,383	2,529	4,701	27,384
Wholesales & retail trade; repair of motorcycle, personal & household goods	24,837	23,539	14,419	5,604	5,929	12,992	10,081	97,401
Hotels & restaurants	1,160	1,681	2,309	601	574	533	211	7,069
Transport, storage and communications	5,573	7,485	2,481	808	2,018	2,589	703	21,657
Financial intermediation	3,582	1,709	396	691	560	587	236	7,761
Scientific activities and technology	1,756	1,323	217	197	219	275	56	4,043
Real estate, renting & business activities	1,770	2,154	1,150	152	515	1,092	291	7,124
Public adm. & defense; compulsory social security	4,082	3,282	4,182	2,525	1,210	591	848	16,720
Education and training	5,352	4,132	2,508	1,198	1,237	1,873	2,349	18,649
Health & social work	2,837	1,910	577	673	712	657	367	7,733
Recreational, cultural and sporting activities	772	452	458	175	286	412	87	2,642
Activities of Party and of membership organization	1,076	518	407	282	449	304	954	3,990
Community, social and personal service activities	887	809	554	224	98	512	314	3,398
Other Industries	5,112	2,611	2,486	253	2,333	1,967	2,165	16,927
Services ( people who work in barbershop, beauty salon)	4,645	4,402	1,197	309	707	969	1,335	13,564
Not applicable	7,337	3,668	4,612	422	861	1,542	213	18,655
Total	86,544	76,517	55,691	26,452	33,488	41,525	54,871	375,088



**Table 1.6 Employment by District (% by District)**

Employment Sector	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Agriculture and forestry	0	0	1	9	14	4	36	8
Fishery	1	3	11	1	1	1	1	3
Mining & quarrying	0	0	0	1	1	0	0	0
Manufacturing	7	11	13	22	20	23	16	14
Electricity, gas & water supply	3	1	2	1	2	2	1	2
Construction	6	7	6	12	10	6	9	7
Wholesales & retail trade; repair of motorcycle, personal & household goods	29	31	26	21	18	31	18	26
Hotels & restaurants	1	2	4	2	2	1	0	2
Transport, storage and communications	6	10	4	3	6	6	1	6
Financial intermediation	4	2	1	3	2	1	0	2
Scientific activities and technology	2	2	0	1	1	1	0	1
Real estate, renting & business activities	2	3	2	1	2	3	1	2
Public adm. & defense; compulsory social security	5	4	8	10	4	1	2	4
Education and training	6	5	5	5	4	5	4	5
Health & social work	3	2	1	3	2	2	1	2
Recreational, cultural and sporting activities	1	1	1	1	1	1	0	1
Activities of Party and of membership organization	1	1	1	1	1	1	2	1
Community, social and personal service activities	1	1	1	1	0	1	1	1
Other Industries	6	3	4	1	7	5	4	5
Services (people who work in barbershop, beauty salon)	5	6	2	1	2	2	2	4
Not applicable	8	5	8	2	3	4	0	5
Total	100	100	100	100	100	100	100	100

**Table 1.7 Employment by District (% by Employment Sector)**

Employment Sector	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Agriculture and forestry	1	1	1	8	16	5	68	100
Fishery	10	21	57	3	2	4	3	100
Mining & quarrying	3	11	8	26	19	14	19	100
Manufacturing	12	15	14	11	13	18	17	100
Electricity, gas & water supply	40	14	13	2	11	9	10	100
Construction	19	19	12	12	12	9	17	100
Wholesales & retail trade; repair of motorcycle, personal & household goods	25	24	15	6	6	13	10	100
Hotels & restaurants	16	24	33	9	8	8	3	100
Transport, storage and communications	26	35	11	4	9	12	3	100
Financial intermediation	46	22	5	9	7	8	3	100
Scientific activities and technology	43	33	5	5	5	7	1	100
Real estate, renting & business activities	25	30	16	2	7	15	4	100
Public adm. & defense; compulsory social security	24	20	25	15	7	4	5	100
Education and training	29	22	13	6	7	10	13	100
Health & social work	37	25	7	9	9	8	5	100
Recreational, cultural and sporting activities	29	17	17	7	11	16	3	100
Activities of Party and of membership organization	27	13	10	7	11	8	24	100
Community, social and personal service activities	26	24	16	7	3	15	9	100
Other Industries	30	15	15	1	14	12	13	100
Services ( people who work in barbershop, beauty salon)	34	32	9	2	5	7	10	100
Not applicable	39	20	25	2	5	8	1	100
Total	23	20	15	7	9	11	15	100

**Table 1.8 Socio-economic Profile by Education Background**

	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Master / Doctor	1,087	509	143	110	247	280	237	2,613
University	27,236	14,806	6,207	4,560	4,387	4,097	2,199	63,492
Junior College	17,869	13,261	7,708	3,839	3,925	4,727	4,219	55,548
High school or below	101,692	92,973	84,146	36,555	48,225	56,900	85,173	505,664
Total	147,884	121,549	98,204	45,064	56,784	66,004	91,828	627,317

**Table 1.9 Socio-economic Profile by Education Background (% by District)**

	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Master / Doctor	1	0	0	0	0	0	0	0
University	18	12	6	10	8	6	2	10
Junior College	12	11	8	9	7	7	5	9
High school or below	69	76	86	81	85	86	93	81
Total	100	100	100	100	100	100	100	100

**Table 1.10 Socio-economic Profile by Education Background (% by Education)**

	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Master / Doctor	42	19	5	4	9	11	9	100
University	43	23	10	7	7	6	3	100
Junior College	32	24	14	7	7	9	8	100
High school or below	20	18	17	7	10	11	17	100
Total	24	19	16	7	9	11	15	100

**Table 1.11 Number of Households by Household Size and District**

Household Size	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
1	1,538	1,870	398	158	645	885	1,629	7,123
2	7,356	4,249	2,725	1,118	2,503	2,199	4,115	24,265
3	10,923	8,174	6,245	2,761	3,633	4,894	4,943	41,573
4	16,273	14,246	10,534	5,209	6,175	7,972	9,423	69,832
5	8,484	7,707	5,806	3,176	3,025	3,377	5,451	37,026
6	3,775	2,901	2,590	916	1,252	1,538	2,155	15,127
7	1,118	1,388	964	277	298	355	863	5,263
8	606	527	234	78	42	410	82	1,979
9	604	490	106	0	43	81	40	1,364
10	82	116	40	0	0	0	80	318
11	83	0	0	0	43	0	0	126
12	0	39	0	0	0	0	0	39
Total	50,842	41,707	29,642	13,693	17,659	21,711	28,781	204,035

**Table 1.12 Distribution of Households (% by District)**

Household Size	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
1	3	4	1	1	4	4	6	3
2	14	10	9	8	14	10	14	12
3	21	20	21	20	21	23	17	20
4	32	34	36	38	35	37	33	34
5	17	18	20	23	17	16	19	18
6	7	7	9	7	7	7	7	7
7	2	3	3	2	2	2	3	3
8	1	1	1	1	0	2	0	1
9	1	1	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0
Total	100	100	100	100	100	100	100	100

**Table 1.13 Distribution of Households (% by Household Size)**

Household Size	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
1	22	26	6	2	9	12	23	100
2	30	18	11	5	10	9	17	100
3	26	20	15	7	9	12	12	100
4	23	20	15	7	9	11	13	100
5	23	21	16	9	8	9	15	100
6	25	19	17	6	8	10	14	100
7	21	26	18	5	6	7	16	100
8	31	27	12	4	2	21	4	100
9	44	36	8	0	3	6	3	100
10	26	36	13	0	0	0	25	100
11	66	0	0	0	34	0	0	100
12	0	100	0	0	0	0	0	100
Total	25	20	15	7	9	11	14	100

**Table 1.14 Income Level by District**

Million VND / mo	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
- 1.5 mil	4,688	4,038	2,312	1,198	3,363	2,131	7,976	25,706
- 2.0 mil	4,211	4,346	2,695	959	1,990	2,428	6,730	23,359
- 3.0 mil	8,860	9,133	7,989	3,395	5,453	5,522	7,460	47,812
- 3.5 mil	2,525	1,706	1,589	1,323	1,421	1,783	1,048	11,395
- 4.0 mil	5,305	5,192	4,206	1,766	1,880	2,912	2,313	23,574
- 5.0 mil	8,900	7,575	4,838	2,330	1,605	3,341	1,981	30,570
- 6.0 mil	5,236	3,251	2,695	1,068	718	1,488	658	15,114
6.0 mil <	11,117	6,378	3,318	1,654	1,229	2,020	615	26,331
Unknown	0	88	0	0	0	86	0	174
Total	50,842	41,707	29,642	13,693	17,659	21,711	28,781	204,035

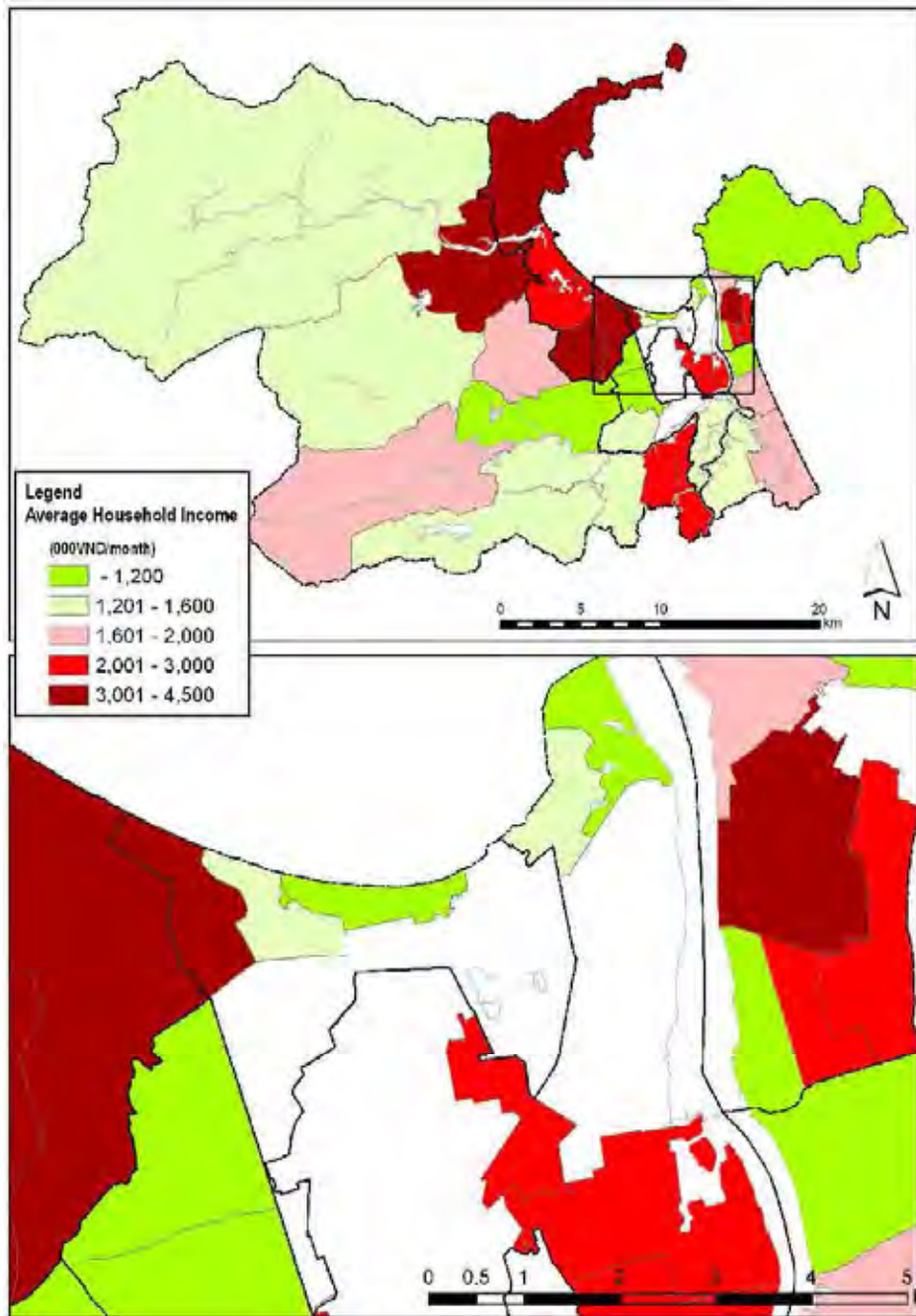
**Table 1.15 Income Level by District (% by District)**

Million VND / mo	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
- 1.5 mil	9	10	8	9	19	10	28	13
- 2.0 mil	8	10	9	7	11	11	23	11
- 3.0 mil	17	22	27	25	31	25	26	23
- 3.5 mil	5	4	5	10	8	8	4	6
- 4.0 mil	10	12	14	13	11	13	8	12
- 5.0 mil	18	18	16	17	9	15	7	15
- 6.0 mil	10	8	9	8	4	7	2	7
6.0 mil mo	22	15	11	12	7	9	2	13
Unknown	0	0	0	0	0	0	0	0
Total	100	100	100	100	100	100	100	100

**Table 1.16 Income Level by District (% by Income Level)**

Million VND / mo	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
- 1.5 mil	18	16	9	5	13	8	31	100
- 2.0 mil	18	19	12	4	9	10	29	100
- 3.0 mil	19	19	17	7	11	12	16	100
- 3.5 mil	22	15	14	12	12	16	9	100
- 4.0 mil	23	22	18	7	8	12	10	100
- 5.0 mil	29	25	16	8	5	11	6	100
- 6.0 mil	35	22	18	7	5	10	4	100
6.0 mil mo	42	24	13	6	5	8	2	100
Unknown	0	51	0	0	0	49	0	100
Total	25	20	15	7	9	11	14	100

Figure 1.2 Average Household Income



**Table 1.17 Ownership of Vehicles**

	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
None	1,533	1,334	499	39	642	770	2,361	7,178
Bicycle	1,660	1,824	1,386	484	1,352	1,082	2,363	10,151
Single MC	12,177	12,126	10,087	3,666	5,444	7,967	12,923	64,390
Multi MC	34,070	25,508	17,391	9,424	9,969	11,310	10,970	118,642
Car/Van	1,320	713	197	80	167	458	39	2,974
Others	82	202	82	0	85	124	125	700
Total	50,842	41,707	29,642	13,693	17,659	21,711	28,781	204,035

**Table 1.18 Ownership of Vehicles (% by District)**

	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
None	3	3	2	0	4	4	8	4
Bicycle	3	4	5	4	8	5	8	5
Single MC	24	29	34	27	31	37	45	32
Multi MC	67	61	59	69	56	52	38	58
Car/Van	3	2	1	1	1	2	0	1
Others	0	0	0	0	0	1	0	0
Total	100	100	100	100	100	100	100	100

**Table 1.19 Ownership of Vehicles (% by Vehicle)**

	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
None	21	19	7	1	9	11	33	100
Bicycle	16	18	14	5	13	11	23	100
Single MC	19	19	16	6	8	12	20	100
Multi MC	29	21	15	8	8	10	9	100
Car/Van	44	24	7	3	6	15	1	100
Others	12	29	12	0	12	18	18	100
Total	25	20	15	7	9	11	14	100

**Table 1.20 Ownership of Properties (% of Holder)**

	Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Air-con	23	15	9	4	4	6	1	11
Washing machine	61	47	39	31	20	30	10	39
Refrigerator	88	80	76	72	58	67	38	72
TV	98	98	98	98	97	97	91	97
Radio	13	7	30	8	22	7	5	13
Computer	53	39	37	31	30	29	11	36
Mobile phone	83	78	81	81	69	77	52	75

## 2 URBAN AREA CHARACTERISTICS

Table 2.1 Existing Land Use in Danang City (1)

Commune Name	Gross Area (ha)	Landuse Type (ha)								Potential Area for Development (ha) 6)
		River / Lake	Agriculture 1)	Forest 2)	Green Space 3)	Urban Use	Port/Airport	Transport 4)	Others 5)	
P. Binh Hien	50.4	14.8	18.4	0.0	0.0	14.1	0.0	2.9	0.0	35.5
P. Binh Thuan	51.6	6.3	0.0	0.0	0.0	0.0	0.0	2.6	42.7	45.3
Hoa Cuong Nam	212.8	33.6	0.0	0.0	0.2	8.6	0.0	10.9	159.6	179.2
Hoa Thuan Tay	844.1	6.8	0.0	0.0	0.0	0.0	828.2	9.1	0.0	9.0
P. Hai Chau I	91.8	21.2	0.0	0.0	0.0	37.9	0.0	9.8	22.9	70.6
P. Hai Chau II	35.4	0.0	0.0	0.0	0.0	17.2	0.0	3.3	14.9	35.4
Hoa Cuong Bac	349.7	71.0	0.0	0.0	6.2	19.7	0.1	17.6	235.2	278.6
P. Nam Duong	23.9	0.0	0.0	0.0	0.0	21.3	0.0	2.6	0.0	23.9
P. Phuoc Ninh	54.3	17.9	0.0	0.0	0.0	23.6	0.0	5.1	7.6	36.4
P. Thanh Binh	75.1	0.6	0.0	0.0	0.0	27.6	0.0	7.9	39.0	74.5
P. Thuan Phuoc	110.6	68.9	0.0	0.0	0.0	20.8	1.7	6.2	12.9	40.0
P. Thach Thang	101.9	14.8	0.0	0.0	0.0	42.3	1.0	11.8	32.0	86.1
Hoa Thuan Dong	108.0	21.6	0.0	0.0	3.8	31.5	0.0	4.5	46.6	86.4
Hai Chau	2109.5	277.8	18.4	0.0	10.1	264.5	831.0	94.2	613.6	1000.8
P. An Khe	211.2	0.1	0.0	0.0	11.4	36.1	1.0	11.7	151.0	210.2
P. Chinh Gian	74.5	0.4	0.0	0.0	0.0	15.1	0.1	8.5	50.4	74.0
P. Tam Thuan	50.1	0.0	0.0	0.0	0.0	30.9	0.0	8.9	10.3	50.1
Thanh Khe Dong	82.4	3.3	0.0	0.0	0.0	19.1	0.0	4.4	55.6	79.1
P. Thac Gian	77.6	11.9	0.0	0.0	1.3	23.2	0.0	6.1	35.1	65.7
P. Tan Chinh	37.0	0.0	0.0	0.0	0.0	20.9	0.0	9.1	7.0	37.0
P. Vinh Trung	51.5	1.4	0.0	0.0	0.0	31.1	0.0	5.8	13.2	50.1
P. Xuan Ha	83.5	0.0	0.0	0.0	0.0	8.5	0.0	5.1	69.8	83.5
Hoa Khe	140.7	3.3	0.0	0.0	0.6	18.6	1.1	4.9	112.2	136.3
Thanh Khe Tay	119.0	7.7	0.0	0.0	7.1	33.2	0.0	4.9	66.1	111.3
Thanh Khe	927.5	28.0	0.0	0.0	20.4	236.7	2.2	69.5	570.6	897.3
P. An Hai Bac	349.0	25.2	0.0	0.0	0.0	137.1	0.0	20.4	166.2	323.8
P. An Hai Tay	106.0	60.6	0.0	0.0	0.0	23.4	0.0	11.2	10.8	45.4
P. An Hai Dong	81.0	0.1	0.0	0.0	0.0	19.0	0.0	5.5	56.5	80.9
P. Man Thai	107.0	0.9	0.0	0.0	0.0	27.9	0.0	5.7	72.5	106.1
P. Nai Hien dong	420.0	68.6	0.0	0.0	0.0	48.5	0.0	7.8	295.1	351.4
P. Phuoc My	204.0	2.5	0.0	0.0	0.0	21.0	0.0	2.2	178.3	201.5
P. Tho Quang	4750.0	28.6	0.0	3862.1	335.0	74.8	10.6	26.0	412.9	848.6
Son Tra	6017.0	186.6	0.0	3862.1	335.0	351.7	10.6	78.8	1192.2	1957.7
My An	411.0	41.5	0.0	0.0	0.0	0.0	0.0	11.4	358.1	369.5
P. Hoa Hai	1356.0	99.3	388.1	233.0	139.1	0.0	0.0	10.2	486.3	1023.6
P. Hoa Quy	1417.0	183.7	632.4	37.6	64.5	0.0	0.0	5.1	493.6	1195.7
Khue My	471.0	60.7	53.4	37.2	27.4	0.0	0.0	4.8	287.5	373.1
Ngu Hanh Son	3655.0	385.3	1073.9	307.8	231.0	0.0	0.0	31.4	1625.5	2961.9
Hoa An	309.0	2.5	0.2	5.7	32.9	54.8	0.0	10.8	202.1	300.8
Hoa Phat	611.0	2.5	38.7	212.4	139.7	33.9	0.0	3.6	180.1	396.1
Hoa Tho Tay	847.0	37.0	181.9	84.4	105.9	152.1	0.0	0.0	285.7	725.6
Hoa Tho Dong	254.0	31.9	3.5	31.3	31.7	0.0	0.0	6.5	149.0	190.7
Hoa Xuan	990.0	259.7	468.5	13.0	44.4	0.0	0.0	0.0	204.3	717.2
P. Khue Trung	311.0	44.7	5.2	0.0	0.0	5.5	0.1	26.1	229.4	266.2
Cam Le	3322.0	378.3	698.0	346.9	354.6	246.4	0.2	47.0	1250.6	2596.6
Hoa Hiep Nam	796.0	146.2	163.6	5.7	163.5	263.9	0.0	14.5	38.6	644.1
Hoa Khanh Nam	1049.0	14.0	135.8	109.7	333.4	17.0	0.0	7.7	431.3	925.3
P. Hoa Minh	797.0	21.4	0.5	19.3	190.9	77.6	0.0	19.1	468.1	756.2
Hoa Hiep Bac	4576.0	154.5	110.3	2653.9	406.3	564.3	3.6	4.7	678.4	1764.1
Hoa Khanh Bac	1090.0	17.2	0.0	150.3	221.4	432.3	0.0	14.1	254.7	922.5
Lien Chieu	8308.0	353.2	410.2	2939.0	1315.6	1355.2	3.6	60.1	1871.2	5012.2
Hoa Bac	33864.0	255.6	445.2	27318.1	5759.7	0.0	0.0	0.0	85.4	6290.3
Hoa Chau	985.0	75.5	486.6	35.4	22.8	0.0	0.0	4.7	360.1	874.1
Hoa Khuong	4211.0	260.7	795.4	2632.2	522.7	0.0	0.0	0.0	0.0	1318.1
Hoa Lien	3820.0	300.5	793.1	2009.5	322.3	101.0	0.0	0.0	293.7	1510.0
Hoa Nhon	2920.0	101.9	1056.6	1193.3	332.2	0.0	0.0	0.0	236.1	1624.8
Hoa Ninh	10105.0	28.4	485.6	8088.2	708.5	0.0	0.0	0.0	794.3	1988.4
Hoa Phong	1810.0	93.2	851.9	562.5	17.9	0.0	0.0	0.0	284.5	1154.3
Hoa Phu	8586.0	108.2	463.6	6033.3	1980.9	0.0	0.0	0.0	0.0	2444.5
Hoa Phuoc	712.0	50.7	323.1	17.6	5.8	0.0	0.0	1.3	313.4	643.7
Hoa Son	2227.0	63.1	366.3	688.4	272.6	8.3	0.0	1.8	826.6	1475.5
Hoa Tien	1393.0	72.8	842.9	221.0	19.6	0.0	0.0	0.7	235.9	1099.2
Hoa Vang	70633.0	1410.5	6910.3	48799.4	9965.2	109.2	0.0	8.6	3429.9	20423.1
Danang City	94972.0	3019.7	9110.9	56255.2	12231.9	2563.6	847.6	389.6	10553.6	37956.4

1) Agriculture area includes "Agriculture" and "Cultivated Forest"

2) Forest area includes "Protected Forest" and "Special-used Forest"

3) Green Space includes "Shrubs", "Grasslands", "Wet Land"

4) Transport includes "Road", "Railway Station", "Bus Terminal"

5) Others is equal to all unclassified area (excluding classified areas above)

6) Potential area for development excludes "River / Lake", "Forest", Danang Airport (831ha) and all seaports (17ha)

**Table 2.2 Existing Landuse in Danang City (2)**

Commune Name	Population			Population Density (no/ha)	
	2005	2007	Growth Rate (%/yr)	Gross	Net
P. Binh Hien	12.7	12.8	0.5	253.8	359.7
P. Binh Thuan	14.8	14.9	0.4	288.5	328.8
Hoa Cuong Nam	11.7	11.8	0.4	55.4	65.8
Hoa Thuan Tay	10.6	13.3	12.4	15.8	1474.5
P. Hai Chau I	15.9	14.6	-4.2	159.2	207.1
P. Hai Chau II	13.6	14.1	2.0	398.5	398.5
Hoa Cuong Bac	17.8	20.1	6.4	57.6	72.3
P. Nam Duong	10.3	11.3	4.4	470.1	470.1
P. Phuoc Ninh	13.3	13.4	0.4	246.2	367.4
P. Thanh Binh	19.3	19.5	0.7	260.4	262.5
P. Thuan Phuoc	19.5	15.9	-9.8	143.3	396.6
P. Thach Thang	17.9	18.2	0.6	178.4	211.2
Hoa Thuan Dong	13.9	15.3	4.8	141.3	176.6
Hai Chau	191.2	195.1	1.0	92.5	195.0
P. An Khe	18.0	18.4	0.9	86.9	87.3
P. Chinh Gian	19.9	20.3	1.0	272.9	274.6
P. Tam Thuan	18.8	19.1	0.6	380.1	380.1
Thanh Khe Dong	11.5	11.2	-1.4	136.1	141.8
P. Thac Gian	18.5	18.7	0.5	240.5	283.9
P. Tan Chinh	16.1	16.2	0.4	438.6	438.6
P. Vinh Trung	18.5	18.7	0.5	363.0	373.1
P. Xuan Ha	17.9	17.7	-0.6	211.7	211.7
Hoa Khe	13.2	13.2	0.2	93.9	96.9
Thanh Khe Tay	12.9	13.9	3.8	116.8	124.9
Thanh Khe	165.3	167.3	0.6	180.4	186.4
P. An Hai Bac	22.8	23.2	0.8	66.4	71.6
P. An Hai Tay	14.7	14.7	0.0	138.6	323.5
P. An Hai Dong	15.7	16.3	1.8	201.2	201.5
P. Man Thai	13.1	13.3	0.6	123.9	125.0
P. Nai Hien dong	14.8	14.9	0.4	35.4	42.3
P. Phuoc My	15.0	15.3	0.9	74.8	75.7
P. Tho Quang	22.2	22.4	0.6	4.7	26.4
Son Tra	118.2	120.0	0.7	19.9	61.3
My An	17.2	17.6	1.3	42.8	47.6
P. Hoa Hai	16.0	16.4	1.1	12.1	16.0
P. Hoa Quy	11.2	11.4	1.1	8.1	9.6
Khue My	8.4	8.7	1.3	18.4	23.2
Ngu Hanh Son	52.8	54.1	1.2	14.8	18.3
Hoa An	7.8	13.5	31.7	43.6	44.8
Hoa Phat	9.7	10.3	2.9	16.8	25.9
Hoa Tho Tay	10.2	8.1	-11.0	9.5	11.1
Hoa Tho Dong	13.1	10.0	-12.7	39.3	52.4
Hoa Xuan	11.0	11.2	0.6	11.3	15.6
P. Khue Trung	12.5	15.4	10.9	49.5	57.8
Cam Le	64.3	68.3	3.1	20.6	26.3
Hoa Hiep Nam	14.8	15.4	2.2	19.4	24.0
Hoa Khanh Nam	13.1	13.9	3.2	13.3	15.0
P. Hoa Minh	23.4	24.7	2.8	31.0	32.6
Hoa Hiep Bac	11.6	12.3	2.9	2.7	7.0
Hoa Khanh Bac	27.7	28.8	1.9	26.4	31.2
Lien Chieu	90.5	95.1	2.5	11.4	19.0
Hoa Bac	3.3	3.3	0.4	0.1	0.5
Hoa Chau	11.1	11.4	1.1	11.6	13.0
Hoa Khuong	10.5	10.6	0.3	2.5	8.0
Hoa Lien	10.9	11.0	0.8	2.9	7.3
Hoa Nhon	12.6	12.8	0.7	4.4	7.9
Hoa Ninh	4.3	4.4	0.8	0.4	2.2
Hoa Phong	13.7	13.8	0.5	7.6	11.9
Hoa Phu	4.3	4.4	0.7	0.5	1.8
Hoa Phuoc	9.6	9.7	0.3	13.6	15.0
Hoa Son	10.7	10.9	1.1	4.9	7.4
Hoa Tien	14.4	14.7	1.0	10.5	13.3
Hoa Vang	105.4	106.9	0.7	1.5	5.2
Danang City	787.6	806.8	1.2	8.5	21.3



**Table 2.3 Current Development Characteristics (1)**

Commune Name	Population (000)			Population Density (no/ha)		Density at Work / School Place (no/ha)					2007 Daytime Density (no/ha)
	2005	2007	Growth Rate (%/yr)	Gross	Net	Employment at Workplace			Enrollment at Schoolplace		
						Primary	Secondary	Tertiary	Primary and Secondary	Tertiary	
P. Binh Hien	12.7	12.8	0.5	253.8	359.7	0.0	17.2	70.4	81.3	6.1	265.7
P. Binh Thuan	14.8	14.9	0.4	288.5	328.8	0.0	17.6	87.6	40.2	9.1	261.2
Hoa Cuong Nam	11.7	11.8	0.4	55.4	65.8	0.4	6.9	27.0	12.2	5.4	70.2
Hoa Thuan Tay	10.6	13.3	12.4	15.8	1474.5	0.0	1.1	5.0	3.7	0.0	14.7
P. Hai Chau I	15.9	14.6	-4.2	159.2	207.1	2.0	34.8	182.1	110.2	50.3	426.9
P. Hai Chau II	13.6	14.1	2.0	398.5	398.5	0.7	50.8	239.8	99.1	14.5	541.6
Hoa Cuong Bac	17.8	20.1	6.4	57.6	72.3	0.2	5.0	16.5	7.9	1.8	51.2
P. Nam Duong	10.3	11.3	4.4	470.1	470.1	0.0	42.7	189.8	39.7	47.1	499.0
P. Phuoc Ninh	13.3	13.4	0.4	246.2	367.4	0.0	39.9	128.4	33.9	4.1	294.2
P. Thanh Binh	19.3	19.5	0.7	260.4	262.5	1.3	18.8	65.2	25.2	43.7	242.5
P. Thuan Phuoc	19.5	15.9	-9.8	143.3	396.6	5.2	8.7	40.1	10.0	0.4	117.7
P. Thach Thang	17.9	18.2	0.6	178.4	211.2	1.4	27.3	116.4	52.2	10.1	269.5
Hoa Thuan Dong	13.9	15.3	4.8	141.3	176.6	0.0	11.3	33.5	15.2	1.3	111.3
Hai Chau	191.2	195.1	1.0	92.5	195.0	0.6	9.7	40.4	19.4	6.4	108.6
P. An Khe	18.0	18.4	0.9	86.9	87.3	0.0	6.9	17.0	9.3	0.4	62.2
P. Chinh Gian	19.9	20.3	1.0	272.9	274.6	1.0	19.3	86.9	21.3	3.3	207.1
P. Tam Thuan	18.8	19.1	0.6	380.1	380.1	1.5	18.2	82.2	47.1	1.5	266.9
Thanh Khe Dong	11.5	11.2	-1.4	136.1	141.8	8.9	16.4	48.9	77.5	3.9	196.4
P. Thac Gian	18.5	18.7	0.5	240.5	283.9	0.5	15.3	99.5	26.9	35.5	251.7
P. Tan Chinh	16.1	16.2	0.4	438.6	438.6	0.7	20.5	120.4	85.4	8.7	344.1
P. Vinh Trung	18.5	18.7	0.5	363.0	373.1	0.0	22.9	120.9	62.2	3.1	309.8
P. Xuan Ha	17.9	17.7	-0.6	211.7	211.7	4.5	20.8	44.8	29.9	1.7	169.6
Hoa Khe	13.2	13.2	0.2	93.9	96.9	0.3	6.3	15.9	25.7	0.0	70.5
Thanh Khe Tay	12.9	13.9	3.8	116.8	124.9	0.7	14.8	28.6	22.1	8.7	104.4
Thanh Khe	165.3	167.3	0.6	180.4	186.4	1.6	13.7	49.6	31.8	5.6	154.0
P. An Hai Bac	22.8	23.2	0.8	66.4	71.6	0.5	14.3	15.5	10.0	0.9	60.7
P. An Hai Tay	14.7	14.7	0.0	138.6	323.5	7.4	8.9	45.4	21.0	0.9	126.1
P. An Hai Dong	15.7	16.3	1.8	201.2	201.5	2.7	14.4	53.1	86.9	14.6	237.0
P. Man Thai	13.1	13.3	0.6	123.9	125.0	6.0	5.1	36.7	26.1	0.0	110.3
P. Nai Hien dong	14.8	14.9	0.4	35.4	42.3	3.5	1.5	4.4	7.5	0.5	26.1
P. Phuoc My	15.0	15.3	0.9	74.8	75.7	0.2	4.1	16.3	8.7	10.3	61.6
P. Tho Quang	22.2	22.4	0.6	4.7	26.4	0.8	0.6	1.7	0.8	0.0	5.2
Son Tra	118.2	120.0	0.7	19.9	61.3	1.2	2.0	5.3	4.0	0.7	18.9
My An	17.2	17.6	1.3	42.8	47.6	1.1	5.3	9.9	8.6	13.0	49.3
P. Hoa Hai	16.0	16.4	1.1	12.1	16.0	0.3	2.3	3.0	3.4	0.0	12.1
P. Hoa Quy	11.2	11.4	1.1	8.1	9.6	1.1	0.7	1.0	1.7	0.1	6.4
Khue My	8.4	8.7	1.3	18.4	23.2	0.6	2.8	5.0	2.2	0.9	16.0
Ngu Hanh Son	52.8	54.1	1.2	14.8	18.3	0.7	2.1	3.3	3.2	1.6	14.6
Hoa An	7.8	13.5	31.7	43.6	44.8	0.3	4.5	9.2	3.6	0.4	28.1
Hoa Phat	9.7	10.3	2.9	16.8	25.9	0.8	2.4	3.0	3.5	0.0	14.0
Hoa Tho Tay	10.2	8.1	-11.0	9.5	11.1	2.1	4.2	2.0	0.9	0.1	10.7
Hoa Tho Dong	13.1	10.0	-12.7	39.3	52.4	1.2	11.4	13.3	13.3	0.0	51.6
Hoa Xuan	11.0	11.2	0.6	11.3	15.6	2.2	0.6	0.8	1.5	0.0	7.7
P. Khue Trung	12.5	15.4	10.9	49.5	57.8	0.7	10.4	14.5	13.5	0.4	51.1
Cam Le	64.3	68.3	3.1	20.6	26.3	1.5	3.9	4.5	3.9	0.1	18.9
Hoa Hiep Nam	14.8	15.4	2.2	19.4	24.0	1.2	1.8	3.2	5.0	0.4	16.1
Hoa Khanh Nam	13.1	13.9	3.2	13.3	15.0	0.0	1.6	4.7	2.4	2.5	14.0
P. Hoa Minh	23.4	24.7	2.8	31.0	32.6	0.2	2.6	8.0	5.6	1.4	24.7
Hoa Hiep Bac	11.6	12.3	2.9	2.7	7.0	0.2	0.4	0.5	0.2	0.2	2.3
Hoa Khanh Bac	27.7	28.8	1.9	26.4	31.2	0.2	12.6	11.2	5.1	6.7	39.7
Lien Chieu	90.5	95.1	2.5	11.4	19.0	0.3	2.5	3.4	2.1	1.5	12.1
Hoa Bac	3.3	3.3	0.4	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.1
Hoa Chau	11.1	11.4	1.1	11.6	13.0	1.8	0.8	1.8	3.8	0.0	10.3
Hoa Khuong	10.5	10.6	0.3	2.5	8.0	0.5	0.3	0.4	0.6	0.0	2.2
Hoa Lien	10.9	11.0	0.8	2.9	7.3	0.6	0.2	0.2	0.6	0.0	2.1
Hoa Nhon	12.6	12.8	0.7	4.4	7.9	0.7	0.2	0.6	0.9	0.0	3.5
Hoa Ninh	4.3	4.4	0.8	0.4	2.2	0.1	0.0	0.1	0.1	0.0	0.4
Hoa Phong	13.7	13.8	0.5	7.6	11.9	1.1	0.6	1.4	3.5	0.1	8.4
Hoa Phu	4.3	4.4	0.7	0.5	1.8	0.1	0.0	0.1	0.1	0.0	0.4
Hoa Phuoc	9.6	9.7	0.3	13.6	15.0	2.3	1.2	2.5	2.5	0.1	11.7
Hoa Son	10.7	10.9	1.1	4.9	7.4	0.6	0.5	1.0	1.7	0.0	5.1
Hoa Tien	14.4	14.7	1.0	10.5	13.3	2.5	0.6	1.2	2.5	0.1	9.0
Hoa Vang	105.4	106.9	0.7	1.5	5.2	0.3	0.1	0.2	0.4	0.0	1.4
Danang City	787.6	806.8	1.2	8.5	21.3	0.4	1.0	2.5	1.8	0.4	8.4

**Table 2.4 Current Development Characteristics (2)**

Commune Name	Employment at Residence (000)				Employment at Workplace (000)				Density (no/ha)			
	Primary	Secondary	Tertiary	Total	Primary	Secondary	Tertiary	Total	At Residence		At Workplace	
									Gross	Net	Gross	Net
P. Binh Hien	0.0	1.4	4.4	5.7	0.0	0.9	3.5	4.4	113.7	161.2	87.6	124.2
P. Binh Thuan	0.0	1.2	5.3	6.5	0.0	0.9	4.5	5.4	126.4	144.0	105.2	119.9
Hoa Cuong Nam	0.1	1.1	4.9	6.1	0.1	1.5	5.7	7.3	28.8	34.2	34.3	40.7
Hoa Thuan Tay	0.0	0.8	4.5	5.4	0.0	1.0	4.2	5.2	6.4	593.7	6.1	571.1
P. Hai Chau I	0.1	1.0	5.6	6.6	0.2	3.2	16.7	20.1	72.1	93.8	218.9	284.7
P. Hai Chau II	0.0	1.5	4.8	6.2	0.0	1.8	8.5	10.3	175.2	175.2	291.4	291.4
Hoa Cuong Bac	0.4	1.6	7.6	9.6	0.1	1.7	5.8	7.6	27.5	34.5	21.7	27.2
P. Nam Duong	0.0	0.9	3.6	4.6	0.0	1.0	4.5	5.6	190.3	190.3	232.5	232.5
P. Phuoc Ninh	0.1	1.3	4.7	6.1	0.0	2.2	7.0	9.1	112.7	168.2	168.3	251.2
P. Thanh Binh	0.0	1.5	7.3	8.8	0.1	1.4	4.9	6.4	117.2	118.2	85.3	86.0
P. Thuan Phuoc	0.4	1.6	5.4	7.4	0.6	1.0	4.4	6.0	67.1	185.6	54.1	149.6
P. Thach Thang	0.2	1.5	5.8	7.6	0.1	2.8	11.9	14.8	74.2	87.8	145.2	171.9
Hoa Thuan Dong	0.0	1.1	4.8	5.9	0.0	1.2	3.6	4.8	54.8	68.5	44.8	56.0
Hai Chau	1.5	16.5	68.6	86.5	1.2	20.5	85.3	107.0	41.0	86.5	50.7	106.9
P. An Khe	0.1	1.6	5.5	7.1	0.0	1.5	3.6	5.1	33.8	34.0	23.9	24.1
P. Chinh Gian	0.1	1.9	6.7	8.7	0.1	1.4	6.5	8.0	117.1	117.8	107.2	107.8
P. Tam Thuan	0.1	1.7	7.0	8.8	0.1	0.9	4.1	5.1	174.9	174.9	101.9	101.9
Thanh Khe Dong	0.8	0.7	3.9	5.4	0.7	1.4	4.0	6.1	65.3	68.1	74.1	77.3
P. Thac Gian	0.1	1.6	7.0	8.7	0.0	1.2	7.7	8.9	111.6	131.7	115.3	136.1
P. Tan Chinh	0.0	1.7	7.1	8.8	0.0	0.8	4.5	5.2	237.9	237.9	141.6	141.6
P. Vinh Trung	0.1	1.6	7.2	8.9	0.0	1.2	6.2	7.4	171.9	176.7	143.8	147.8
P. Xuan Ha	0.9	2.0	5.1	8.1	0.4	1.7	3.7	5.9	96.9	96.9	70.1	70.1
Hoa Khe	0.1	1.8	4.2	6.1	0.0	0.9	2.2	3.2	43.7	45.1	22.5	23.2
Thanh Khe Tay	0.1	1.4	4.4	6.0	0.1	1.8	3.4	5.2	50.1	53.6	44.1	47.1
Thanh Khe	2.3	16.1	58.1	76.5	1.4	12.7	46.0	60.1	82.5	85.3	64.8	67.0
P. An Hai Bac	0.6	2.7	6.7	10.0	0.2	5.0	5.4	10.6	28.6	30.8	30.3	32.6
P. An Hai Tay	0.9	1.7	4.4	7.0	0.8	0.9	4.8	6.5	66.3	154.8	61.7	144.1
P. An Hai Dong	0.1	2.4	5.0	7.6	0.2	1.2	4.3	5.7	93.2	93.4	70.2	70.2
P. Man Thai	0.6	1.2	4.7	6.4	0.6	0.5	3.9	5.1	60.0	60.5	47.7	48.1
P. Nai Hien dong	2.4	1.3	2.7	6.3	1.5	0.6	1.9	4.0	15.0	17.9	9.4	11.3
P. Phuoc My	0.3	1.3	5.3	7.0	0.0	0.8	3.3	4.2	34.1	34.6	20.6	20.9
P. Tho Quang	1.6	2.2	7.6	11.4	3.7	3.0	8.2	14.9	2.4	13.5	3.1	17.5
Son Tra	6.4	12.9	36.4	55.7	7.0	12.1	31.8	50.9	9.3	28.4	8.5	26.0
My An	0.5	2.1	5.5	8.0	0.5	2.2	4.1	6.7	19.5	21.7	16.3	18.2
P. Hoa Hai	0.4	3.0	4.9	8.3	0.4	3.2	4.1	7.7	6.1	8.1	5.7	7.5
P. Hoa Quy	1.6	2.8	1.8	6.1	1.6	1.0	1.5	4.1	4.3	5.1	2.9	3.4
Khue My	0.3	1.8	1.9	4.0	0.3	1.3	2.4	4.0	8.6	10.8	8.4	10.7
Ngu Hanh Son	2.8	9.7	14.0	26.5	2.7	7.7	12.0	22.4	7.2	8.9	6.1	7.6
Hoa An	0.1	2.3	4.3	6.7	0.1	1.4	2.9	4.3	21.6	22.2	14.0	14.4
Hoa Phat	0.5	2.1	2.5	5.1	0.5	1.4	1.8	3.8	8.3	12.9	6.2	9.5
Hoa Tho Tay	1.4	1.7	1.3	4.5	1.8	3.5	1.7	7.0	5.3	6.1	8.2	9.6
Hoa Tho Dong	0.3	1.5	2.8	4.6	0.3	2.9	3.4	6.6	18.1	24.1	25.9	34.5
Hoa Xuan	2.2	2.2	1.5	6.0	2.1	0.6	0.8	3.6	6.0	8.3	3.6	5.0
P. Khue Trung	0.3	2.6	3.8	6.7	0.2	3.2	4.5	8.0	21.6	25.3	25.6	29.9
Cam Le	4.8	12.5	16.2	33.5	5.0	13.1	15.1	33.2	10.1	12.9	10.0	12.8
Hoa Hiep Nam	1.0	3.6	2.8	7.4	1.0	1.4	2.6	5.0	9.3	11.5	6.2	7.7
Hoa Khanh Nam	0.0	1.1	4.4	5.6	0.0	1.7	4.9	6.6	5.3	6.0	6.3	7.2
P. Hoa Minh	0.2	3.0	6.7	9.9	0.1	2.1	6.4	8.6	12.4	13.1	10.8	11.3
Hoa Hiep Bac	0.7	2.5	2.6	5.8	0.8	2.0	2.4	5.2	1.3	3.3	1.1	3.0
Hoa Khanh Bac	0.1	3.8	9.0	12.8	0.2	13.7	12.2	26.2	11.8	13.9	24.0	28.4
Lien Chieu	1.9	14.0	25.6	41.5	2.1	20.9	28.5	51.6	5.0	8.3	6.2	10.3
Hoa Bac	1.5	0.2	0.3	1.9	1.6	0.1	0.5	2.3	0.1	0.3	0.1	0.4
Hoa Chau	1.9	1.7	1.9	5.5	1.7	0.8	1.7	4.3	5.6	6.3	4.3	4.9
Hoa Khuong	2.0	2.0	2.0	6.0	2.0	1.3	1.8	5.1	1.4	4.5	1.2	3.8
Hoa Lien	2.3	2.2	1.4	5.8	2.1	0.7	0.6	3.4	1.5	3.8	0.9	2.3
Hoa Nhon	2.2	1.7	2.3	6.2	2.2	0.7	1.8	4.7	2.1	3.8	1.6	2.9
Hoa Ninh	0.6	0.7	1.0	2.3	0.9	0.5	0.9	2.3	0.2	1.2	0.2	1.2
Hoa Phong	2.1	1.9	2.2	6.2	1.9	1.1	2.5	5.5	3.4	5.4	3.0	4.8
Hoa Phu	0.8	0.2	1.3	2.3	0.7	0.1	1.0	1.8	0.3	0.9	0.2	0.7
Hoa Phuoc	1.5	1.8	2.2	5.5	1.6	0.9	1.8	4.3	7.8	8.6	6.0	6.6
Hoa Son	1.6	2.0	2.0	5.5	1.4	1.1	2.2	4.7	2.5	3.7	2.1	3.2
Hoa Tien	3.5	1.8	2.2	7.5	3.4	0.8	1.7	6.0	5.4	6.8	4.3	5.5
Hoa Vang	19.9	16.2	18.8	54.9	19.6	8.1	16.6	44.3	0.8	2.7	0.6	2.2
Danang City	39.6	97.8	237.7	375.1	39.1	95.1	235.3	369.5	3.9	9.9	3.9	9.7

**Table 2.5 Current Development Characteristics (3)**

Commune Name	Area (km2)		Population			Population Density (no/ha)		Employment at Workplace (000)				Enrollment at Schoolplace (000)		
	Gross	Net	2005	2007	Growth Rate (%/yr)	Gross	Net	Primary	Secondary	Tertiary	Total	Primary and Secondary	Tertiary	Total
P. Binh Hien	0.50	0.36	12.7	12.8	0.5	253.8	359.7	0.0	0.9	3.5	4.4	4.1	0.3	4.4
P. Binh Thuan	0.52	0.45	14.8	14.9	0.4	288.5	328.8	0.0	0.9	4.5	5.4	2.1	0.5	2.5
Hoa Cuong Nam	2.13	1.79	11.7	11.8	0.4	55.4	65.8	0.1	1.5	5.7	7.3	2.6	1.1	3.7
Hoa Thuan Tay	8.44	0.09	10.6	13.3	12.4	15.8	1474.5	0.0	1.0	4.2	5.2	3.1	0.0	3.1
P. Hai Chau I	0.92	0.71	15.9	14.6	-4.2	159.2	207.1	0.2	3.2	16.7	20.1	10.1	4.6	14.7
P. Hai Chau II	0.35	0.35	13.6	14.1	2.0	398.5	398.5	0.0	1.8	8.5	10.3	3.5	0.5	4.0
Hoa Cuong Bac	3.50	2.79	17.8	20.1	6.4	57.6	72.3	0.1	1.7	5.8	7.6	2.8	0.6	3.4
P. Nam Duong	0.24	0.24	10.3	11.3	4.4	470.1	470.1	0.0	1.0	4.5	5.6	0.9	1.1	2.1
P. Phuoc Ninh	0.54	0.36	13.3	13.4	0.4	246.2	367.4	0.0	2.2	7.0	9.1	1.8	0.2	2.1
P. Thanh Binh	0.75	0.74	19.3	19.5	0.7	260.4	262.5	0.1	1.4	4.9	6.4	1.9	3.3	5.2
P. Thuan Phuoc	1.11	0.40	19.5	15.9	-9.8	143.3	396.6	0.6	1.0	4.4	6.0	1.1	0.0	1.1
P. Thach Thang	1.02	0.86	17.9	18.2	0.6	178.4	211.2	0.1	2.8	11.9	14.8	5.3	1.0	6.3
Hoa Thuan Dong	1.08	0.86	13.9	15.3	4.8	141.3	176.6	0.0	1.2	3.6	4.8	1.6	0.1	1.8
Hai Chau	21.10	10.01	191.2	195.1	1.0	92.5	195.0	1.2	20.5	85.3	107.0	41.0	13.5	54.5
P. An Khe	2.11	2.10	18.0	18.4	0.9	86.9	87.3	0.0	1.5	3.6	5.1	2.0	0.1	2.0
P. Chinh Gian	0.74	0.74	19.9	20.3	1.0	272.9	274.6	0.1	1.4	6.5	8.0	1.6	0.2	1.8
P. Tam Thuan	0.50	0.50	18.8	19.1	0.6	380.1	380.1	0.1	0.9	4.1	5.1	2.4	0.1	2.4
Thanh Khe Dong	0.82	0.79	11.5	11.2	-1.4	136.1	141.8	0.7	1.4	4.0	6.1	6.4	0.3	6.7
P. Thac Gian	0.78	0.66	18.5	18.7	0.5	240.5	283.9	0.0	1.2	7.7	8.9	2.1	2.8	4.8
P. Tan Chinh	0.37	0.37	16.1	16.2	0.4	438.6	438.6	0.0	0.8	4.5	5.2	3.2	0.3	3.5
P. Vinh Trung	0.52	0.50	18.5	18.7	0.5	363.0	373.1	0.0	1.2	6.2	7.4	3.2	0.2	3.4
P. Xuan Ha	0.83	0.83	17.9	17.7	-0.6	211.7	211.7	0.4	1.7	3.7	5.9	2.5	0.1	2.6
Hoa Khe	1.41	1.36	13.2	13.2	0.2	93.9	96.9	0.0	0.9	2.2	3.2	3.6	0.0	3.6
Thanh Khe Tay	1.19	1.11	12.9	13.9	3.8	116.8	124.9	0.1	1.8	3.4	5.2	2.6	1.0	3.7
Thanh Khe	9.27	8.97	165.3	167.3	0.6	180.4	186.4	1.4	12.7	46.0	60.1	29.5	5.2	34.6
P. An Hai Bac	3.49	3.24	22.8	23.2	0.8	66.4	71.6	0.2	5.0	5.4	10.6	3.5	0.3	3.8
P. An Hai Tay	1.06	0.45	14.7	14.7	0.0	138.6	323.5	0.8	0.9	4.8	6.5	2.2	0.1	2.3
P. An Hai Dong	0.81	0.81	15.7	16.3	1.8	201.2	201.5	0.2	1.2	4.3	5.7	7.0	1.2	8.2
P. Man Thai	1.07	1.06	13.1	13.3	0.6	123.9	125.0	0.6	0.5	3.9	5.1	2.8	0.0	2.8
P. Nai Hien dong	4.20	3.51	14.8	14.9	0.4	35.4	42.3	1.5	0.6	1.9	4.0	3.1	0.2	3.3
P. Phuoc My	2.04	2.02	15.0	15.3	0.9	74.8	75.7	0.0	0.8	3.3	4.2	1.8	2.1	3.9
P. Tho Quang	47.50	8.49	22.2	22.4	0.6	4.7	26.4	3.7	3.0	8.2	14.9	3.9	0.1	4.0
Son Tra	60.17	19.58	118.2	120.0	0.7	19.9	61.3	7.0	12.1	31.8	50.9	24.3	4.0	28.4
My An	4.11	3.69	17.2	17.6	1.3	42.8	47.6	0.5	2.2	4.1	6.7	3.5	5.4	8.9
P. Hoa Hai	13.56	10.24	16.0	16.4	1.1	12.1	16.0	0.4	3.2	4.1	7.7	4.6	0.1	4.7
P. Hoa Quy	14.17	11.96	11.2	11.4	1.1	8.1	9.6	1.6	1.0	1.5	4.1	2.5	0.2	2.6
Khue My	4.71	3.73	8.4	8.7	1.3	18.4	23.2	0.3	1.3	2.4	4.0	1.0	0.4	1.5
Ngu Hanh Son	36.55	29.62	52.8	54.1	1.2	14.8	18.3	2.7	7.7	12.0	22.4	11.6	6.0	17.7
Hoa An	3.09	3.01	7.8	13.5	31.7	43.6	44.8	0.1	1.4	2.9	4.3	1.1	0.1	1.3
Hoa Phat	6.11	3.96	9.7	10.3	2.9	16.8	25.9	0.5	1.4	1.8	3.8	2.2	0.0	2.2
Hoa Tho Tay	8.47	7.26	10.2	8.1	-11.0	9.5	11.1	1.8	3.5	1.7	7.0	0.8	0.1	0.8
Hoa Tho Dong	2.54	1.91	13.1	10.0	-12.7	39.3	52.4	0.3	2.9	3.4	6.6	3.4	0.0	3.4
Hoa Xuan	9.90	7.17	11.0	11.2	0.6	11.3	15.6	2.1	0.6	0.8	3.6	1.5	0.0	1.5
P. Khue Trung	3.11	2.66	12.5	15.4	10.9	49.5	57.8	0.2	3.2	4.5	8.0	4.2	0.1	4.3
Cam Le	33.22	25.97	64.3	68.3	3.1	20.6	26.3	5.0	13.1	15.1	33.2	13.1	0.3	13.4
Hoa Hiep Nam	7.96	6.44	14.8	15.4	2.2	19.4	24.0	1.0	1.4	2.6	5.0	4.0	0.3	4.3
Hoa Khanh Nam	10.49	9.25	13.1	13.9	3.2	13.3	15.0	0.0	1.7	4.9	6.6	2.6	2.6	5.2
P. Hoa Minh	7.97	7.56	23.4	24.7	2.8	31.0	32.6	0.1	2.1	6.4	8.6	4.5	1.1	5.6
Hoa Hiep Bac	45.76	17.64	11.6	12.3	2.9	2.7	7.0	0.8	2.0	2.4	5.2	1.0	0.8	1.8
Hoa Khanh Bac	10.90	9.23	27.7	28.8	1.9	26.4	31.2	0.2	13.7	12.2	26.2	5.6	7.3	12.9
Lien Chieu	83.08	50.12	90.5	95.1	2.5	11.4	19.0	2.1	20.9	28.5	51.6	17.6	12.1	29.7
Hoa Bac	338.64	62.90	3.3	3.3	0.4	0.1	0.5	1.6	0.1	0.5	2.3	1.0	0.0	1.0
Hoa Chau	9.85	8.74	11.1	11.4	1.1	11.6	13.0	1.7	0.8	1.7	4.3	3.7	0.0	3.8
Hoa Khuong	42.11	13.18	10.5	10.6	0.3	2.5	8.0	2.0	1.3	1.8	5.1	2.4	0.1	2.5
Hoa Lien	38.20	15.10	10.9	11.0	0.8	2.9	7.3	2.1	0.7	0.6	3.4	2.5	0.1	2.5
Hoa Nhon	29.20	16.25	12.6	12.8	0.7	4.4	7.9	2.2	0.7	1.8	4.7	2.7	0.0	2.7
Hoa Ninh	101.05	19.88	4.3	4.4	0.8	0.4	2.2	0.9	0.5	0.9	2.3	1.1	0.0	1.1
Hoa Phong	18.10	11.54	13.7	13.8	0.5	7.6	11.9	1.9	1.1	2.5	5.5	6.3	0.1	6.4
Hoa Phu	85.86	24.45	4.3	4.4	0.7	0.5	1.8	0.7	0.1	1.0	1.8	0.8	0.0	0.8
Hoa Phuoc	7.12	6.44	9.6	9.7	0.3	13.6	15.0	1.6	0.9	1.8	4.3	1.8	0.1	1.8
Hoa Son	22.27	14.76	10.7	10.9	1.1	4.9	7.4	1.4	1.1	2.2	4.7	3.8	0.0	3.8
Hoa Tien	13.93	10.99	14.4	14.7	1.0	10.5	13.3	3.4	0.8	1.7	6.0	3.4	0.1	3.5
Hoa Vang	706.33	204.23	105.4	106.9	0.7	1.5	5.2	19.6	8.1	16.6	44.3	29.3	0.5	29.8
Danang City	949.72	379.56	787.6	806.8	1.2	8.5	21.3	39.1	95.1	235.3	369.5	166.5	41.7	208.2

Figure 2.1 Net Population Density in 2007

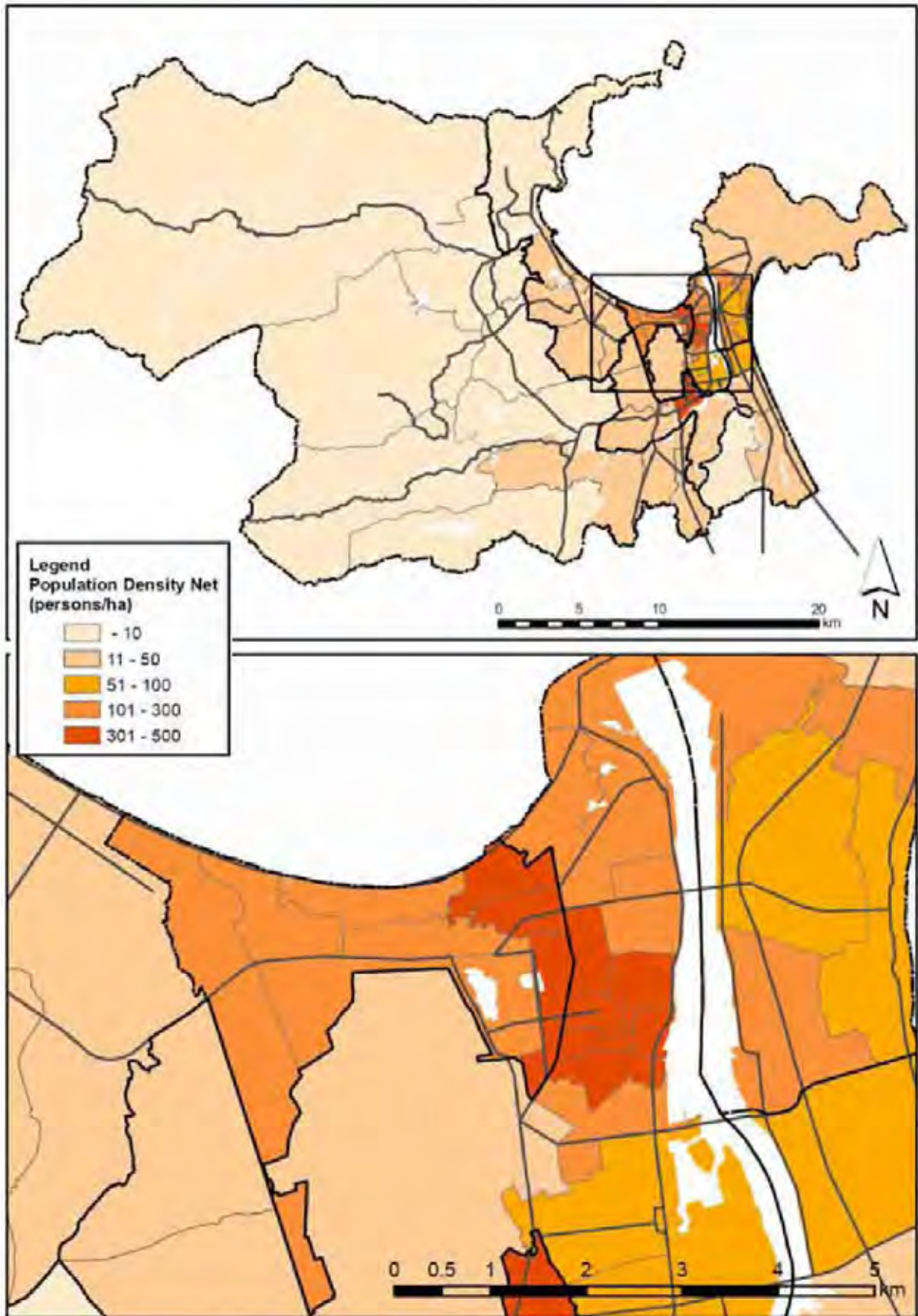
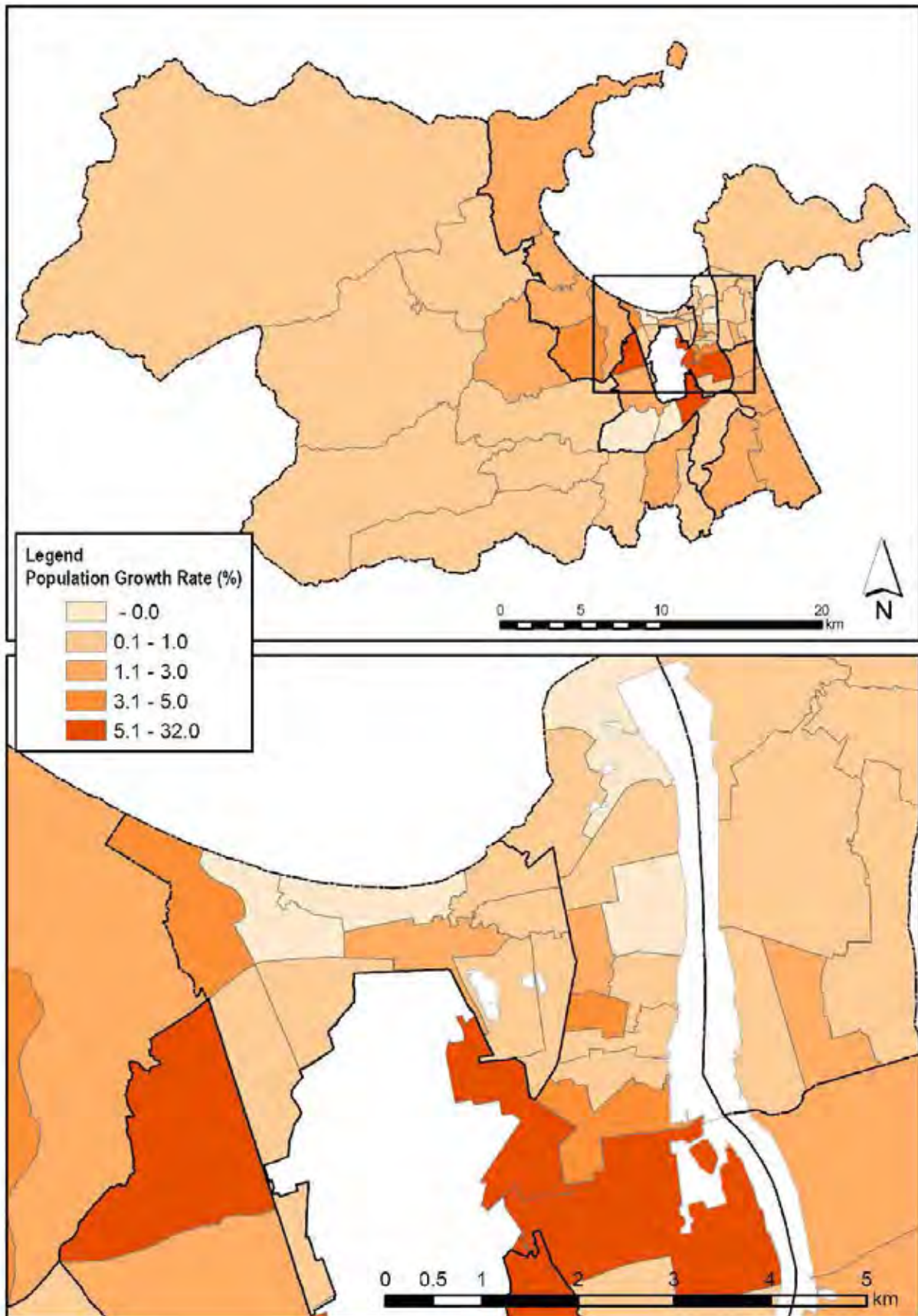


Figure 2.2 Population Growth Rate from 2005-2007 (%)



### 3 URBAN TRANSPORTATION

**Table 3.1 Trip Rate of Danang City Residents**

		Year	Population (000)	Trip Rate: No. of Trips / day / person	
				Including Walking	Excluding Walking
Vietnam	Danang	2007	867	2.9	2.3
	Hanoi	2005	3,186	2.7	2.0
	HCMC	2002	7,693	3.0	2.5
Manila (Philippines)		1996	13,565	2.2	1.8
Jakarta (Indonesia)		2002	21,594	1.7	1.1
Chendu (China)		2001	3,090	2.6	1.8
Tokyo (Japan)		1998	34,000	2.3	N. A.
Ulaanbaatar		2007	1,006	4.0	2.7

**Table 3.2 Travel Demand by Mode and Purpose**

	To Home	To Work	To School	Business	Private	Total
Walking	197,811	38,646	43,722	633	122,445	403,257
Bicycle	177,684	26,139	112,428	719	51,179	368,149
MC	596,600	305,077	94,573	8,390	305,220	1,309,860
Car	3,372	2,937	258	747	3,225	10,539
Bus	2,326	572	1,125	41	657	4,721
Truck	855	1,319	33	546	246	2,999
Others	449	231	162	34	172	1,048
Total	979,097	374,921	252,301	11,110	483,144	2,100,573

**Table 3.3 Travel Demand by Mode and Purpose (% by Mode)**

	To Home	To Work	To School	Business	Private	Total
Walking	20	10	17	6	25	19
Bicycle	18	7	45	6	11	18
MC	61	81	37	76	63	62
Car	0	1	0	7	1	1
Bus	0	0	0	0	0	0
Truck	0	0	0	5	0	0
Others	0	0	0	0	0	0
Total	100	100	100	100	100	100

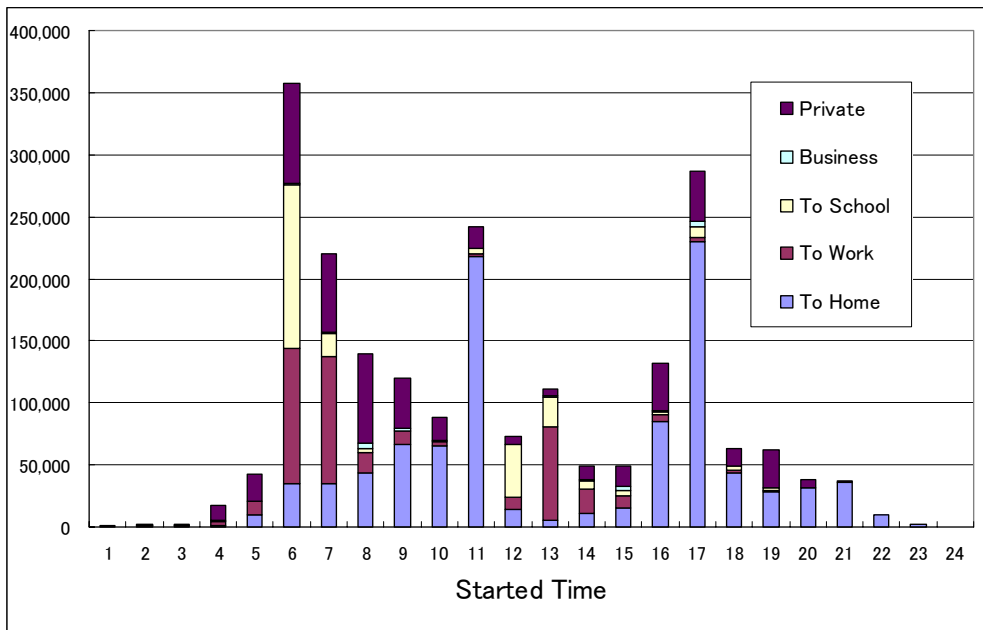
**Table 3.4 Travel Demand by Mode and Purpose (% by Purpose)**

	To Home	To Work	To School	Business	Private	Total
Walking	49	10	11	0	30	100
Bicycle	48	7	31	0	14	100
MC	46	23	7	1	23	100
Car	32	28	2	7	31	100
Bus	49	12	24	1	14	100
Truck	29	44	1	18	8	100
Others	43	22	15	3	16	100
Total	47	18	12	1	23	100

**Table 3.5 Travel Demand by Trip Started Time (%)**

Time Started Time	To Work	To School	Business	Private	To Home	Total
1	0.10	0.01	0.00	0.07	0.00	0.04
2	0.30	0.04	0.00	0.07	0.00	0.08
3	0.34	0.01	0.00	0.25	0.01	0.13
4	1.00	0.00	0.17	2.55	0.10	0.82
5	2.81	0.20	0.25	4.29	0.96	1.97
6	28.19	52.23	3.97	16.06	3.50	16.63
7	26.38	7.19	7.08	12.74	3.53	10.27
8	4.13	1.19	19.24	14.51	4.45	6.50
9	2.60	0.18	9.23	8.24	6.77	5.61
10	0.81	0.08	4.63	3.82	6.60	4.12
11	0.65	1.65	1.17	3.38	22.09	11.25
12	2.53	16.62	0.64	1.25	1.46	3.39
13	19.36	9.29	4.47	1.23	0.60	5.20
14	4.96	2.61	5.96	2.29	1.10	2.30
15	2.59	1.91	15.23	3.20	1.52	2.29
16	1.54	0.92	4.77	7.54	8.60	6.13
17	0.80	3.44	21.20	8.14	23.34	13.37
18	0.42	1.44	0.65	2.78	4.44	2.94
19	0.22	0.96	1.10	6.05	2.90	2.90
20	0.08	0.00	0.22	1.32	3.16	1.77
21	0.11	0.04	0.00	0.18	3.63	1.73
22	0.05	0.00	0.00	0.05	1.00	0.48
23	0.04	0.00	0.00	0.00	0.22	0.11
24	0.00	0.00	0.00	0.00	0.00	0.00
Total	100.00	100.00	100.00	100.00	100.00	100.00

**Figure 3.1 Hourly Distribution of Trip Demand**



**Table 3.6 Travel Demand by Age Group**

Age Group	Walking	Bicycle	MC (Driver)	MC (Passenger)	Xe Om	Car	Public Bus	Others	Total
Less than 10	34,015	12,377	848	50,302	0	183	0	0	97,725
10-14	54,622	106,687	1,273	37,672	47	98	240	135	200,774
15-49	179,168	213,605	1,005,533	74,794	2,233	8,029	2,203	5,955	1,491,520
50-69	98,387	29,278	114,680	13,617	1,041	2,229	169	1,683	261,084
More than 69	37,157	4,409	5,213	2,231	537	0	142	165	49,854
Total	403,349	366,356	1,127,547	178,616	3,858	10,539	2,754	7,938	2,100,957

**Table 3.7 Travel Demand by Age Group (% by Mode)**

Age Group	Walking	Bicycle	MC (Driver)	MC (Passenger)	Xe Om	Car	Public Bus	Others	Total
Less than 10	8	3	0	28	0	2	0	0	5
10-14	14	29	0	21	1	1	9	2	10
15-49	44	58	89	42	58	76	80	75	71
50-69	24	8	10	8	27	21	6	21	12
More than 69	9	1	0	1	14	0	5	2	2
Total	100	100	100	100	100	100	100	100	100

**Table 3.8 Travel Demand by Age Group (% by Age Group)**

Age Group	Walking	Bicycle	MC (Driver)	MC (Passenger)	Xe Om	Car	Public Bus	Others	Total
Less than 10	35	13	1	51	0	0	0	0	100
10-14	27	53	1	19	0	0	0	0	100
15-49	12	14	67	5	0	1	0	0	100
50-69	38	11	44	5	0	1	0	1	100
More than 69	75	9	10	4	1	0	0	0	100
Total	19	17	54	9	0	1	0	0	100

**Table 3.9 Travel Demand by Household Income Level**

Household Income Level (Million VND)	Walking	Bicycle	MC (Driver)	MC (Passenger)	Xe Om	Car	Public Bus	Others	Total
Less than 1.5	57,389	40,295	50,210	10,475	215	82	433	209	159,308
1.5 - 2.0	54,080	47,186	78,287	16,921	314	34	530	610	197,962
2.0 - 3.0	98,645	103,707	232,487	42,536	1,263	666	377	1,900	481,581
3.0 - 3.5	22,337	25,323	67,755	9,735	212	425	266	1,031	127,084
3.5 - 4.0	46,423	43,547	144,444	23,926	121	529	424	796	260,210
4.0 - 5.0	56,838	49,957	205,229	31,484	1,143	2,257	490	1,800	349,198
5.0 - 6.0	26,182	23,733	116,283	15,366	150	1,062	0	414	183,190
More than 6.0	41,371	32,608	232,642	28,073	440	5,484	234	1,178	342,030
Unknown	84	0	210	100	0	0	0	0	394
Total	403,349	366,356	1,127,547	178,616	3,858	10,539	2,754	7,938	2,100,957



**Table 3.10 Travel Demand by Household Income Level (% by Mode)**

Household Income Level (Million VND)	Walking	Bicycle	MC (Driver)	MC (Passenger)	Xe Om	Car	Public Bus	Others	Total
Less than 1.5	14	11	4	6	6	1	16	3	8
1.5 - 2.0	13	13	7	9	8	0	19	8	9
2.0 - 3.0	24	28	21	24	33	6	14	24	23
3.0 - 3.5	6	7	6	5	5	4	10	13	6
3.5 - 4.0	12	12	13	13	3	5	15	10	12
4.0 - 5.0	14	14	18	18	30	21	18	23	17
5.0 - 6.0	6	6	10	9	4	10	0	5	9
More than 6.0	10	9	21	16	11	52	8	15	16
Unknown	0	0	0	0	0	0	0	0	0
Total	100	100	100	100	100	100	100	100	100

**Table 3.11 Travel Demand by Household Income Level (% by Income Level)**

Household Income Level (Million VND)	Walking	Bicycle	MC (Driver)	MC (Passenger)	Xe Om	Car	Public Bus	Others	Total
Less than 1.5	36	25	32	7	0	0	0	0	100
1.5 - 2.0	27	24	40	9	0	0	0	0	100
2.0 - 3.0	20	22	48	9	0	0	0	0	100
3.0 - 3.5	18	20	53	8	0	0	0	1	100
3.5 - 4.0	18	17	56	9	0	0	0	0	100
4.0 - 5.0	16	14	59	9	0	1	0	1	100
5.0 - 6.0	14	13	63	8	0	1	0	0	100
More than 6.0	12	10	68	8	0	2	0	0	100
Unknown	21	0	53	25	0	0	0	0	100
Total	19	17	54	9	0	1	0	0	100

**Table 3.12 Travel Demand by Gender**

Gender	Walking	Bicycle	MC (Driver)	MC (Passenger)	Xe Om	Car	Public Bus	Others	Total
Male	167,536	146,801	644,478	75,341	917	8,103	1,208	6,618	1,051,002
Female	235,813	219,555	483,069	103,275	2,941	2,436	1,546	1,320	1,049,955
Total	403,349	366,356	1,127,547	178,616	3,858	10,539	2,754	7,938	2,100,957

**Table 3.13 Travel Demand by Gender (% by Mode)**

Gender	Walking	Bicycle	MC (Driver)	MC (Passenger)	Xe Om	Car	Public Bus	Others	Total
Male	42	40	57	42	24	77	44	83	50
Female	58	60	43	58	76	23	56	17	50
Total	100	100	100	100	100	100	100	100	100

**Table 3.14 Travel Demand by Gender (% by Gender)**

Gender	Walking	Bicycle	MC (Driver)	MC (Passenger)	Xe Om	Car	Public Bus	Others	Total
Male	16	14	61	7	0	1	0	1	100
Female	22	21	46	10	0	0	0	0	100
Total	19	17	54	9	0	1	0	0	100

**Table 3.15 Travel Demand by Mode and Vehicle Ownership**

Travel Mode		No Vehicle		No car		Car		Total	
		No. of Trips	%	No. of Trips	%	No. of Trips	%	No. of Trips	%
Walking		15,727	65.1	383,717	18.8	3,905	10.3	403,349	19.2
Private	Bicycle	2,095	8.7	360,568	17.7	3,693	9.8	366,356	17.4
	MC(Driver)	3,135	13.0	1,102,275	54.1	22,137	58.5	1,127,547	53.7
	MC (Passenger)	2,256	9.3	172,760	8.5	3,600	9.5	178,616	8.5
	Car	0	0.0	4,039	0.2	4,023	10.6	8,062	0.4
	Truck	0	0.0	2,759	0.1	240	0.6	2,999	0.1
	Sub-Total	23,213	96.1	2,026,118	99.4	37,598	99.4	2,086,929	99.3
Semi-public	Taxi	0	0.0	2,477	0.1	0	0.0	2,477	0.1
	Cyclo	385	1.6	1,539	0.1	0	0.0	1,924	0.1
	Xe Om	414	1.7	3,444	0.2	0	0.0	3,858	0.2
	Private Bus	0	0.0	1,967	0.1	0	0.0	1,967	0.1
	Sub-Total	799	3.3	9,427	0.5	0	0.0	10,226	0.5
Public	Bus	66	0.3	2,452	0.1	236	0.6	2,754	0.1
	Rail/Air	0	0.0	134	0.0	0	0.0	134	0.0
	Sub-Total	66	0.3	2,586	0.1	236	0.6	2,888	0.1
Others		70	0.3	844	0.0	0	0.0	914	0.0
Total		24,148	100.0	2,038,975	100.0	37,834	100.0	2,100,957	100.0

**Table 3.16 Market for Public Transport (% by Vehicle Ownership and Income Level)**

		Taxi	Cyclo	Xe Om	Private Bus	Minibus	Standard Bus	Rail/Air	Total
Vehicle Ownership	None	0	0	11	0	8	0	0	4
	Bicycle	0	0	23	0	0	6	0	8
	Single MC	1	46	22	24	42	37	49	25
	Multi MC	99	34	45	76	33	53	51	59
	Car/Van	0	0	0	0	18	4	0	2
	Others	0	20	0	0	0	0	0	3
	Total	100	100	100	100	100	100	100	100
Household Income Level (Million VND/month)	Less than 1.5	0	6	6	0	17	15	0	6
	1.5–2.0	0	17	8	0	10	23	0	9
	2.0–3.0	0	34	33	16	16	13	0	20
	3.0–3.5	1	22	5	17	20	5	0	10
	3.5–4.0	0	0	3	21	10	18	49	8
	4.0–5.0	26	17	30	27	5	24	0	24
	5.0–6.0	11	0	4	9	0	0	0	5
	More than 6.0	62	4	11	9	22	2	51	19
Total	100	100	100	100	100	100	100	100	

**Table 3.17 Market for Public Transport (% by Mode)**

		Taxi	Cyclo	Xe Om	Private Bus	Minibus	Standard Bus	Rail/Air	Total
Vehicle Ownership	None	0	0	86	0	14	0	0	100
	Bicycle	0	0	89	0	0	11	0	100
	Single MC	1	26	25	14	11	21	2	100
	Multi MC	32	9	23	19	4	13	1	100
	Car/Van	0	0	0	0	64	36	0	100
	Others	0	100	0	0	0	0	0	100
	Total	19	15	29	15	7	14	1	100
Household Income Level (Million VND/month)	Less than 1.5	0	15	28	0	19	38	0	100
	1.5–2.0	0	28	27	0	8	38	0	100
	2.0–3.0	0	25	48	12	5	9	0	100
	3.0–3.5	2	34	17	26	13	8	0	100
	3.5–4.0	0	0	12	41	9	33	6	100
	4.0–5.0	20	11	36	17	1	14	0	100
	5.0–6.0	44	0	25	31	0	0	0	100
	More than 6.0	61	3	17	7	7	2	3	100
Total	19	15	29	15	7	14	1	100	

**Table 3.18 Household by Vehicle Ownership**

Household by Vehicle Ownership		Walking	Bicycle	MC (Driver)	MC (Passenger)	Xe Om	Car	Public Bus	Others	Total
Household with: (trips/day)	None	14,793	801	2,168	2,040	414	0	66	0	20,282
	Bicycle	29,407	30,948	3,420	4,410	873	0	112	0	69,170
	Single MC	151,060	141,791	221,637	52,226	840	1,901	1,052	2,495	573,002
	Multi MC	203,250	187,829	877,218	116,124	1,731	4,615	1,288	4,748	1,396,803
	Car/Van	3,905	3,693	22,137	3,600	0	4,023	236	240	37,834
	Others	934	1,294	967	216	0	0	0	455	3,866
	Total	403,349	366,356	1,127,547	178,616	3,858	10,539	2,754	7,938	2,100,957

**Table 3.19 Household by Vehicle Ownership (% by Mode)**

Household by Vehicle Ownership		Walking	Bicycle	MC (Driver)	MC (Passenger)	Xe Om	Car	Public Bus	Others	Total
Household with: (%)	None	4	0	0	1	11	0	2	0	1
	Bicycle	7	8	0	2	23	0	4	0	3
	Single MC	37	39	20	29	22	18	38	31	27
	Multi MC	50	51	78	65	45	44	47	60	66
	Car/Van	1	1	2	2	0	38	9	3	2
	Others	0	0	0	0	0	0	0	6	0
	Total	100	100	100	100	100	100	100	100	100

**Table 3.20 Household by Vehicle Ownership (% by Ownership)**

Household by Vehicle Ownership		Walking	Bicycle	MC (Driver)	MC (Passenger)	Xe Om	Car	Public Bus	Others	Total
Household with: (%)	None	73	4	11	10	2	0	0	0	100
	Bicycle	43	45	5	6	1	0	0	0	100
	Single MC	26	25	39	9	0	0	0	0	100
	Multi MC	15	13	63	8	0	0	0	0	100
	Car/Van	10	10	59	10	0	11	1	1	100
	Others	24	33	25	6	0	0	0	12	100
	Total	19	17	54	9	0	1	0	0	100

**Table 3.21 Reason for Choice of Modes**

Mode		Travel time	Comfort	Convenience	Cost	Safety	No other choice	Total
Walking		0.4	24.6	34.0	1.8	14.4	24.9	100.0
Bicycle		0.5	13.1	45.7	2.1	16.8	21.7	100.0
MC (Driver)		1.5	14.8	60.2	1.1	11.4	10.9	100.0
MC (Passenger)		1.0	14.9	42.4	1.5	18.0	22.1	100.0
Xe Om		4.0	11.9	28.0	1.0	11.9	43.2	100.0
Car		1.3	11.4	53.1	0.7	12.0	21.5	100.0
Public Bus	Minibus	0.0	4.7	59.3	2.1	16.6	17.3	100.0
	Standard B	0.0	2.4	47.1	6.5	16.0	28.0	100.0
Others		0.0	15.2	31.2	1.1	6.7	45.7	100.0
Total		1.1	16.3	50.9	1.5	13.5	16.7	100.0

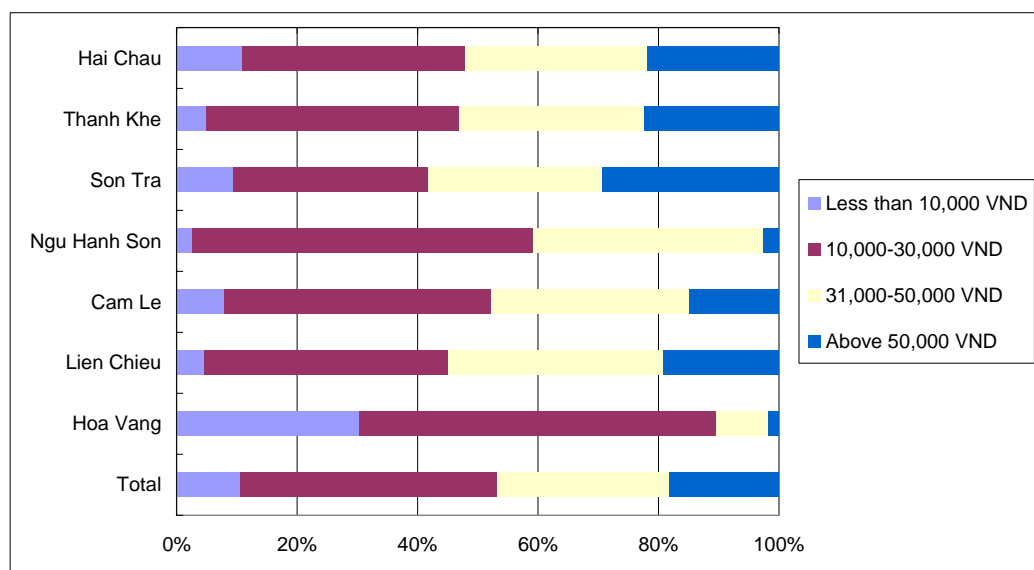
## 4 URBAN UTILITIES AND SERVICES

Table 4.1 Access to Water

			Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Households Connected to Piped Water	Connectivity (% of Yes)		94.4	86.6	84.1	45.9	37.8	55.6	6.6	67.1
	Water Quality (%)	Dissatisfied	3.9	9.4	6.8	7.0	12.0	10.3	4.5	7.0
		So-so	35.3	28.2	33.2	27.8	25.3	31.2	25.0	31.7
		Satisfied	60.8	62.4	60.0	65.2	62.7	58.6	70.5	61.3
	Water Pressure (%)	Dissatisfied	9.0	4.8	6.5	7.0	5.1	11.3	6.8	7.3
		So-so	45.1	33.4	36.8	34.2	27.2	35.3	52.3	38.3
	Price (%)	Satisfied	45.9	61.9	56.7	58.9	67.7	53.4	40.9	54.5
		Dissatisfied	3.1	3.3	6.5	5.1	8.9	6.5	0.0	4.4
		So-so	44.9	34.9	37.4	26.6	39.2	38.7	36.4	39.0
	Water Quantity (%)	Satisfied	52.0	61.8	56.1	68.4	51.9	54.8	63.6	56.6
		Dissatisfied	2.6	2.7	3.6	5.7	4.4	6.2	9.1	3.4
		So-so	38.5	27.4	36.7	21.5	26.6	33.2	34.1	33.3
	Hours of Supply (%)	Satisfied	59.0	70.0	59.7	72.8	69.0	60.6	56.8	63.3
		Dissatisfied	5.1	4.5	3.9	6.3	5.1	11.6	6.8	5.4
		So-so	41.0	31.3	37.1	33.5	29.1	34.2	31.8	36.0
Households Not Connected to Piped Water	Main Sources of Water (%)	Satisfied	53.8	64.2	58.9	60.1	65.8	54.1	61.4	58.6
		Private well	92.8	96.4	85.0	97.8	84.6	98.7	84.8	89.5
		Public well	1.4	1.4	2.5	1.6	1.5	0.9	1.7	1.6
		Stand pipe	0.0	0.0	0.8	0.0	0.0	0.0	1.1	0.5
		Surface water	0.0	0.0	0.0	0.0	0.8	0.0	0.5	0.3
		Rain water	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.1
	Problems Regarding Water Supply (%)	Others	5.8	2.2	11.7	0.5	12.3	0.4	11.9	8.0
		Distance to	34.0	37.7	55.3	72.4	72.3	38.0	54.4	55.5
		Water quality	34.0	18.0	19.1	5.9	10.9	32.5	20.5	19.2
		Water quantity	6.0	1.6	2.1	0.7	0.0	0.6	2.2	1.6
Important Aspect in Water Supply (%)	Other	26.0	42.6	23.4	21.1	16.8	28.9	22.9	23.7	
	Water quality	75.7	64.1	67.3	75.0	75.5	68.9	68.6	70.4	
	Water pressure	8.1	13.4	10.4	14.0	2.8	9.9	3.3	9.8	
	Price	6.7	9.8	14.6	4.5	18.1	4.0	19.8	9.8	
	Water quantity	4.7	7.3	3.9	3.5	1.2	11.2	5.8	5.5	
Willingness-to-pay for Improved Services [VND/month] (%)	Hours of supply	4.9	5.4	3.8	3.0	2.4	5.9	2.5	4.6	
	Less than 10,000 VND	10.8	4.9	9.4	2.6	7.9	4.6	30.4	10.6	
	10,000—30,000 VND	37.0	42.1	32.3	56.7	44.3	40.6	59.2	42.7	
	31,000—50,000 VND	30.3	30.7	29.0	38.1	33.0	35.6	8.7	28.6	
	Above 50,000 VND	21.8	22.3	29.3	2.6	14.8	19.2	1.8	18.1	
Average [VND]		39,733	39,976	43,307	29,099	34,175	38,733	18,218	36,085	

<sup>1)</sup> Average value is calculated using median values for each value range, assuming the respondents answering maximum and minimum ranges have the same trend as other ranges.

**Figure 4.1 Willingness-to-pay for Improved Water Services**

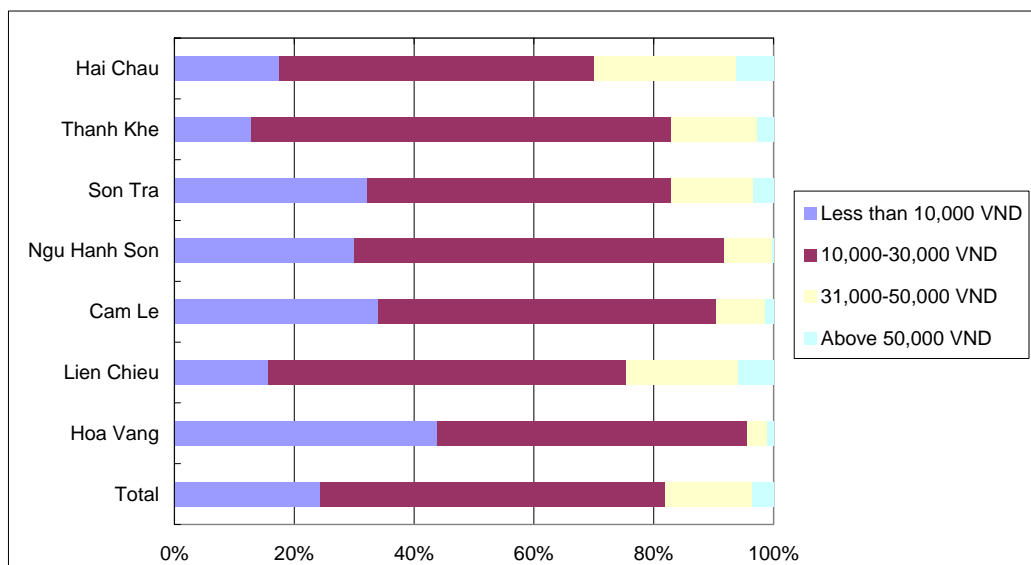


**Table 4.2 Sanitation**

		Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total	
Toilet Facility (%)	Flushing toilet	99.4	98.4	91.9	97.4	90.4	96.6	85.9	95.0	
	Suilabh toilet	0.2	1.2	7.7	1.5	3.8	1.9	1.8	2.3	
	Simple toilet	0.2	0.3	0.4	0.3	4.5	0.4	4.0	1.1	
	Shared toilet	0.1	0.1	0.0	0.0	0.5	0.0	0.6	0.2	
	No toilet	0.2	0.0	0.0	0.9	0.7	1.1	7.8	1.3	
Sanitation Treatment (%)	Connected to urban sewerage system	38.8	6.0	22.1	0.0	3.6	7.6	3.1	15.7	
	On-site sanitation facility (eg septic tank) and collected by public service company	58.6	93.7	77.1	97.7	89.5	91.6	80.5	80.4	
	No sanitation treatment	2.7	0.4	0.8	2.3	6.9	0.8	16.4	3.9	
Assessment of Sanitary Conditions (%)	Bad	3.8	11.6	12.2	5.5	8.1	9.9	11.6	8.9	
	So-so	39.4	28.1	32.7	30.5	39.5	55.0	59.7	39.9	
	Good	56.8	60.2	55.1	64.0	52.4	35.0	28.7	51.3	
Assessment of Sanitation	Offensive Odor (%)	Always	4.1	7.1	3.5	4.7	7.9	6.5	6.2	5.5
		Sometimes	19.3	20.9	36.8	17.4	24.9	39.0	42.5	27.8
		Never	76.6	72.0	59.8	77.9	67.2	54.5	51.3	66.6
	Clogged Pipe (%)	Always	0.6	2.8	0.9	0.3	2.2	3.0	0.4	1.5
		Sometimes	8.7	11.9	21.0	9.0	5.5	10.7	7.9	11.1
		Never	90.6	85.3	78.1	90.7	92.3	86.3	91.6	87.5
	Overflowing Wastewater (%)	Always	0.6	2.9	2.1	0.9	2.6	2.9	0.6	1.7
		Sometimes	4.5	9.6	22.0	6.1	7.2	14.1	8.8	10.1
		Never	94.9	87.5	75.8	93.0	90.2	83.0	90.6	88.1
Willingness-to-pay for Improved Services [VND/month] (%)	less than 10,000 VND	17.5	12.9	32.1	29.9	34.0	15.6	43.8	24.4	
	10,000–30,000 VND	52.6	70.0	50.9	61.9	56.5	59.8	51.8	57.6	
	31,000–50,000 VND	23.7	14.4	13.5	7.8	8.1	18.7	3.4	14.5	
	above 50,000 VND	6.2	2.7	3.5	0.3	1.4	5.9	1.0	3.5	
	Average [VND/month] <sup>1)</sup>	26,517	22,577	19,987	17,238	17,440	25,305	14,736	21,581	
Providing More Public Toilets	Necessity (%)	Yes	82.1	73.4	95.1	93.0	85.2	80.4	83.9	83.3
		No	17.9	26.6	4.9	7.0	14.8	19.6	16.1	16.7
	Location (%)	Parks and Water Bodies	42.0	39.8	53.4	18.1	35.4	48.5	33.2	40.6
		Major roads	53.0	59.0	40.8	81.9	59.0	50.8	66.1	56.3
		Others	5.0	1.2	5.9	0.0	5.6	0.7	0.7	3.1
	Fee [VND] (%)	Less than 1,000	44.1	35.8	27.0	29.4	34.3	38.1	42.3	36.8
		1,000–2,000	44.5	55.4	56.1	59.7	41.0	58.2	40.4	50.2
		Over 2,000	1.5	1.7	1.5	0.0	1.7	0.9	1.0	1.3
		Free	9.9	7.1	15.4	10.9	23.0	2.8	16.3	11.7
		Average [VND] <sup>1)</sup>	926	1,052	1,015	1,042	829	1,086	844	970

<sup>1)</sup> Average value is calculated using median values for each value range, assuming the respondents answering maximum and minimum ranges have the same trend as other ranges.

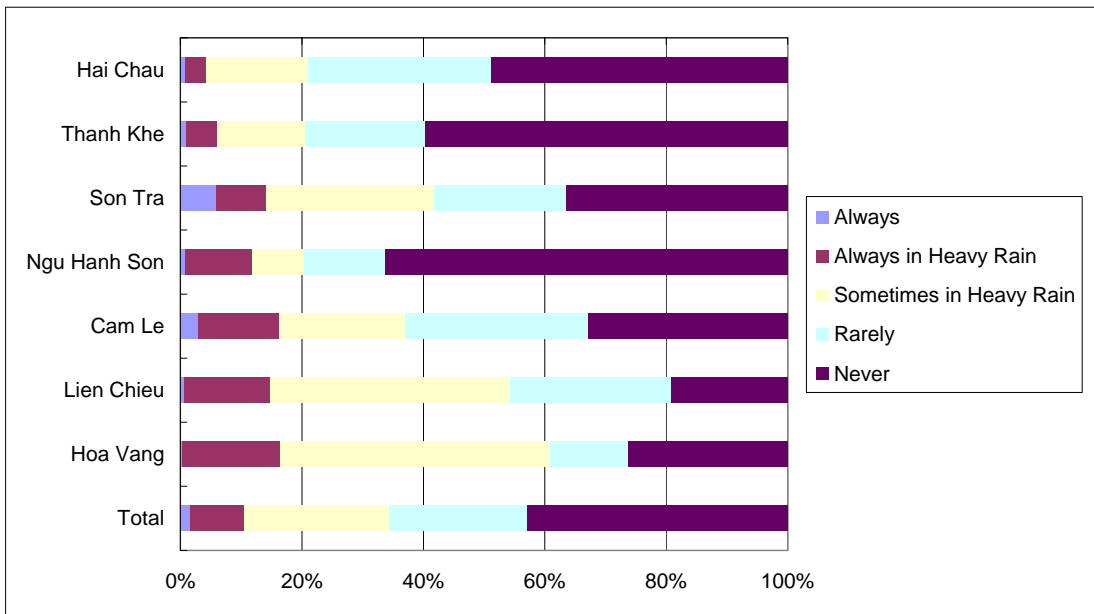
**Figure 4.2 Willingness-to-pay for Improved Sanitation Services**



**Table 4.3 Drainage and Flooding**

			Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total	
Assessment of Drainage Conditions (%)			Bad	6.6	10.7	21.4	14.0	21.8	25.9	31.4	16.9
			So-so	33.3	25.8	25.2	21.5	25.6	37.0	40.4	30.4
			Good	60.0	63.5	53.4	64.5	52.6	37.1	28.2	52.7
Flooding	Flooding up to Ankles in Neighborhood (%)		All the time, even not in heavy rain	0.7	1.0	5.8	0.9	2.9	0.6	0.3	1.7
			Always when it rains heavily	3.5	5.2	8.4	11.0	13.4	14.3	16.1	8.8
			Sometimes when it rains heavily	16.8	14.3	27.6	8.4	20.8	39.4	44.6	23.9
			Rarely	30.1	19.9	21.6	13.4	30.1	26.5	12.7	22.8
			Never	48.8	59.7	36.5	66.3	32.8	19.2	26.3	42.9
	Normal Flooding	Water Level (%)	Up to ankles	96.4	96.4	98.3	95.0	93.7	99.2	91.6	95.9
			Up to knees	2.8	3.6	1.7	5.0	5.2	0.8	6.2	3.4
			Up to waist and higher	0.8	0.0	0.0	0.0	1.1	0.0	2.1	0.7
		Duration (%)	Less than half a day	97.1	98.0	81.4	87.0	87.4	95.7	82.8	90.2
			Half day to 1 day	2.5	1.6	4.8	10.0	9.3	4.3	12.7	6.0
			More than 1 day	0.4	0.3	13.8	3.0	3.3	0.0	4.5	3.8
	Most Serious Flooding in 3 Years	Water Level (%)	Up to ankles	59.3	71.3	48.2	36.1	40.0	78.1	17.5	51.2
			Up to knees	34.5	24.9	50.3	30.6	26.0	20.7	44.2	34.2
			Up to waist and higher	6.2	3.8	1.6	33.3	34.0	1.2	38.3	14.6
		Duration (%)	Less than half a day	66.6	84.2	50.1	32.4	44.2	60.2	19.3	52.6
			Half day to 1 day	16.3	14.1	23.1	19.4	16.2	37.3	44.8	26.0
	More than 1 day	17.1	1.8	26.8	48.1	39.6	2.5	35.8	21.4		
	Most Serious Flooding in the Past	Water Level (%)	Up to ankles	60.3	59.0	46.6	39.3	38.8	71.0	10.4	47.5
			Up to knees	31.4	34.9	35.7	17.9	21.3	27.1	28.9	29.9
			Up to waist and higher	8.3	6.0	17.7	42.9	39.9	2.0	60.6	22.6
Duration (%)		Less than half a day	66.7	76.4	48.0	34.8	41.0	54.8	12.4	49.7	
		Half day to 1 day	14.3	19.1	21.6	8.9	11.2	29.1	29.7	20.6	
More than 1 day	19.0	4.5	30.5	56.3	47.8	16.1	57.8	29.7			

**Figure 4.3 Flooding up to Ankles in Neighborhood**





**Table 4.4 Solid Waste**

		Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total		
Provision of Service (% of Yes)		98.4	96.2	99.5	86.9	88.0	96.2	20.0	85.5		
Type of Service Provided (%)		Public	100.0	98.8	100.0	100.0	99.7	99.4	100.0	99.6	
		Private	3.7	0.7	3.3	0.0	0.3	0.2	8.1	2.1	
		Community	3.7	1.7	1.2	0.0	3.0	0.8	7.4	2.2	
Public	Frequency (%)	Never	0.0	1.2	0.0	0.0	0.3	0.6	0.0	0.4	
		Daily	99.3	91.4	96.4	55.2	70.1	87.5	11.0	87.1	
		2-4 days a week	0.6	7.4	3.6	43.8	27.7	11.9	88.2	12.2	
		Once a week	0.2	0.0	0.0	1.0	1.9	0.0	0.7	0.3	
	Average Fee (thousand VND/month/HH)	76,836	43,288	7,217	141,596	3,245	6,177	954	279,313		
Private	Frequency (%)	Never	96.3	99.3	96.7	100.0	99.7	99.8	91.9	97.9	
		Daily	0.0	0.2	2.7	0.0	0.0	0.0	7.4	0.7	
		2-4 days a week	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.0	
		Once a week	3.7	0.5	0.7	0.0	0.3	0.0	0.0	1.3	
	Average Fee (thousand VND/month/HH)	0	10	0	0	0	0	0	10		
Community	Frequency (%)	Never	96.3	98.3	98.8	100.0	97.0	99.2	92.6	97.8	
		Daily	0.0	1.2	0.5	0.0	2.2	0.6	6.6	0.8	
		2-4 days a week	0.0	0.0	0.0	0.0	0.5	0.2	0.7	0.1	
		Once a week	3.7	0.5	0.7	0.0	0.3	0.0	0.0	1.3	
	Average Fee (thousand VND/month/HH)	0	165	0	0	0	0	0	165		
Separation of Organic Waste and Other Waste (% of Yes)		15.1	16.9	40.2	1.5	52.6	16.8	40.6	25.1		
Storage	Organic Waste (%)	Waste basket/container	43.9	29.8	49.9	25.9	50.2	42.9	31.3	39.3	
		Waste basket with plastic bag	42.2	41.5	25.1	28.2	14.6	22.7	22.8	31.5	
		Plastic bag only	12.9	27.9	15.3	42.4	29.2	33.1	36.4	25.1	
		In different bags/baskets	0.6	0.7	9.7	2.6	1.9	0.8	8.6	3.3	
		Other	0.5	0.2	0.0	0.9	4.1	0.6	0.9	0.7	
		Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	Other Waste (%)	Waste basket/container	40.0	30.0	48.1	24.4	21.8	43.2	33.5	36.0	
		Waste basket with plastic bag	41.7	41.4	24.2	27.9	25.4	22.3	17.3	31.3	
		Plastic bag only	17.6	27.6	16.3	44.2	48.6	33.1	44.6	29.2	
		In different bags/baskets	0.6	0.9	10.6	2.6	2.2	1.0	3.2	2.8	
		Other	0.1	0.2	0.8	0.9	2.2	0.4	1.5	0.7	
		Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	Disposal	Organic Waste (%)	Before 6	3.2	5.0	20.4	19.9	9.8	7.4	9.0	9.1
			6 - 9	29.8	36.7	29.1	55.5	20.5	31.4	10.3	30.6
9 -12			14.3	23.0	23.8	7.2	19.1	25.8	18.0	19.3	
12-15			9.9	13.1	2.7	10.3	8.6	19.9	20.8	11.3	
15-18			7.6	10.6	9.0	3.4	15.2	4.8	27.5	10.3	
18-21			24.3	9.5	14.3	3.7	26.3	10.7	12.8	15.7	
After 21			11.0	2.0	0.7	0.0	0.5	0.0	1.8	3.6	
Total			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Other Waste (%)		Before 6	3.3	5.0	21.2	19.4	12.2	7.3	5.8	9.2	
		6 - 9	29.7	38.9	40.0	54.9	38.8	31.7	8.8	34.6	
		9 -12	15.0	23.9	17.7	7.8	21.6	25.4	17.1	18.8	
		12-15	10.0	14.2	2.0	10.7	7.9	20.0	21.2	11.5	
		15-18	6.9	7.6	5.7	3.4	7.2	5.0	28.9	8.2	
		18-21	23.8	7.8	12.6	3.8	11.3	10.5	13.5	13.6	
After 21	11.3	2.6	0.8	0.0	1.0	0.0	4.7	4.2			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			
Way of Waste Disposal (%)	Give directly to garbage trucks or waste collectors	55.4	57.5	61.5	72.7	37.3	79.6	12.3	53.1		
	Leave at designated places for collection	12.9	16.3	12.7	3.8	19.4	15.2	10.2	13.4		
	Leave in the street (not in place designated for collection)	4.0	4.3	7.3	0.9	1.7	0.6	1.6	3.5		
	Burn	3.6	0.5	1.1	0.0	3.3	0.0	1.0	1.6		
	Other	24.0	21.3	17.4	22.7	38.3	4.6	74.9	28.5		

**Table 4.5 Separation of Solid Waste**

			Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total	
Separation	Separation of Household Waste (% of Yes)		26.5	21.2	20.8	2.3	55.3	13.1	57.6	28.1	
	Sell or Give Away Separated Waste (% of Yes)		97.9	94.1	99.4	87.5	97.8	97.1	98.5	97.5	
	Plastic	Sell or Give Away (%)	Sell	71.6	72.1	75.0	71.4	77.0	79.1	96.4	80.3
			Give away	26.9	27.4	25.0	28.6	20.8	19.4	3.6	18.8
			Don't separate this	1.6	0.5	0.0	0.0	2.2	1.5	0.0	0.9
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		Sell or Give Away to (%)	Household / individual who recycles	18.7	35.3	9.0	14.3	17.6	7.6	11.6	17.4
			Recycling company	0.6	2.4	1.3	0.0	2.7	0.0	0.3	1.2
			Garbage collector who sells to a company for recycling	79.0	56.5	82.7	57.1	68.3	90.9	88.1	77.4
			Other	1.6	5.8	7.1	28.6	11.3	1.5	0.0	4.1
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Can / Metal	Sell or Give Away (%)	Sell	71.3	71.6	74.4	71.4	76.1	80.6	95.9	79.9
			Give away	27.5	26.0	25.6	28.6	20.8	19.4	3.6	18.8
			Don't separate this	1.3	2.4	0.0	0.0	3.1	0.0	0.5	1.3
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		Sell or Give Away to (%)	Household / individual who recycles	17.4	36.5	9.6	14.3	17.8	7.5	11.7	17.3
			Recycling company	1.6	2.5	1.3	0.0	2.7	0.0	0.3	1.4
			Garbage collector who sells to a company for recycling	80.1	55.2	81.4	57.1	68.0	91.0	88.1	77.3
			Other	0.9	5.9	7.7	28.6	11.4	1.5	0.0	4.1
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	Glass	Sell or Give Away (%)	Sell	67.5	66.8	71.8	71.4	74.8	79.1	95.9	77.7
			Give away	30.0	29.8	27.6	28.6	21.7	19.4	3.6	20.3
			Don't separate this	2.5	3.4	0.6	0.0	3.5	1.5	0.5	2.0
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		Sell or Give Away to (%)	Household / individual who recycles	17.6	35.3	8.4	14.3	17.4	7.6	11.7	17.0
			Recycling company	1.3	2.0	1.9	0.0	2.8	0.0	0.5	1.4
Garbage collector who sells to a company for recycling			79.8	56.2	81.9	57.1	68.3	90.9	87.8	77.4	
Other			1.3	6.5	7.7	28.6	11.5	1.5	0.0	4.2	
Total			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Total			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Paper / Cardboard	Sell or Give Away (%)	Sell	70.9	68.3	76.9	57.1	75.7	80.6	96.4	79.6	
		Give away	28.4	28.8	22.4	28.6	21.7	19.4	3.6	19.2	
		Don't separate this	0.6	2.9	0.6	14.3	2.7	0.0	0.0	1.2	
		Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
	Sell or Give Away to (%)	Household / individual who recycles	17.3	36.1	9.7	16.7	16.8	7.5	11.6	17.0	
		Recycling company	0.6	2.0	1.3	0.0	2.7	0.0	0.3	1.1	
		Garbage collector who sells to a company for recycling	80.8	55.9	81.3	50.0	69.5	91.0	88.1	77.8	
		Other	1.3	5.9	7.7	33.3	10.9	1.5	0.0	4.1	
		Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
		Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

**Table 4.6 Satisfaction of Solid Waste Service**

				Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Separation	Electronic Waste	Sell or Give Away (%)	Sell	72.8	71.0	77.6	57.1	74.8	74.6	95.6	79.9
			Give away	25.9	24.2	21.8	28.6	21.2	19.4	3.6	17.8
			Don't separate this	1.3	4.8	0.6	14.3	4.0	6.0	0.8	2.3
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		Sell or Give Away to (%)	Household / individual who recycles	17.7	41.2	9.0	16.7	17.1	6.3	11.7	17.8
			Recycling company	1.3	1.5	1.9	0.0	2.8	0.0	0.3	1.3
			Garbage collector who sells to a company for recycling	79.4	51.8	81.3	50.0	68.7	92.1	88.1	76.7
			Other	1.6	5.5	7.7	33.3	11.5	1.6	0.0	4.2
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			Total	60.9	43.8	52.8	0.0	60.0	42.9	95.1	65.7
	Other	Sell or Give Away (%)	Give away	39.1	37.5	38.9	100.0	10.0	42.9	2.4	26.1
			Don't separate this	0.0	18.8	8.3	0.0	30.0	14.3	2.4	8.2
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
		Sell or Give Away to (%)	Household / individual who recycles	26.1	7.7	18.2	0.0	42.9	16.7	25.6	22.1
			Recycling company	0.0	15.4	0.0	0.0	14.3	0.0	0.0	2.5
			Garbage collector who sells to a company for recycling	73.9	69.2	57.6	100.0	28.6	66.7	74.4	66.4
			Other	0.0	7.7	24.2	0.0	14.3	16.7	0.0	9.0
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
			Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Earning from Selling Waste (thousand VND / month)				15,081	10,360	6,418	22,000	9,751	113,315	8,281	15,119
Satisfaction with Current Service	Frequency of Collection (%)	Highly	0.6	0.1	0.4	0.7	1.1	1.6	1.5	0.6	
		Dissatisfied	4.1	1.7	5.2	5.7	6.0	3.6	6.7	4.0	
		So-so	48.2	35.2	32.8	23.7	29.9	25.3	53.3	36.6	
		Satisfied	46.6	59.3	56.9	63.2	48.1	68.1	38.5	55.0	
		Highly satisfied	0.5	3.7	4.7	6.7	14.9	1.4	0.0	3.7	
	Method of Collection (%)	Highly	0.6	0.2	0.5	0.7	1.1	3.8	1.5	0.9	
		Dissatisfied	3.8	2.4	5.1	3.7	7.1	7.5	3.0	4.4	
		So-so	49.9	35.8	32.8	22.1	34.2	25.0	44.4	37.2	
		Satisfied	45.3	57.3	56.5	64.2	46.5	61.4	51.1	53.6	
		Highly satisfied	0.4	4.3	5.1	9.4	11.1	2.4	0.0	3.9	
	Fee (%)	Highly	0.2	0.2	0.5	0.7	1.4	1.0	0.0	0.5	
		Dissatisfied	2.5	2.7	4.9	2.3	10.6	4.0	3.0	3.9	
		So-so	47.9	33.6	36.0	19.7	35.9	34.1	48.1	37.8	
		Satisfied	48.0	60.6	53.4	67.9	44.3	52.5	48.9	53.5	
		Highly satisfied	1.3	2.9	5.1	9.4	7.9	8.5	0.0	4.3	
	Cleanliness (%)	Highly	0.5	3.9	0.9	1.0	1.4	3.8	1.5	1.9	
		Dissatisfied	5.8	6.1	10.8	4.7	5.7	10.1	8.1	7.2	
		So-so	52.0	40.7	32.0	24.7	41.0	31.3	46.7	40.4	
		Satisfied	39.9	47.9	51.9	60.2	41.3	52.5	43.7	47.0	
		Highly satisfied	1.9	1.5	4.3	9.4	10.6	2.4	0.0	3.5	
Disposal of Solid Waste for HH with no Service (%)	Treated in own land	10.0	22.5	0.0	77.8	58.0	50.0	86.8	77.1		
	Throw to nearby dump sites	80.0	77.5	75.0	13.3	22.0	40.0	10.6	18.3		
	Throw into nearby drainage	5.0	0.0	0.0	0.0	2.0	10.0	0.0	0.6		
	Dispose of on others' land	5.0	0.0	25.0	8.9	18.0	0.0	2.6	4.0		
Willingness-to-pay for Improved Services [VND/month] (%)	Less than 10,000 VND	24.3	25.6	39.3	40.7	40.9	21.1	67.7	34.9		
	10,000—30,000 VND	62.9	66.6	56.0	54.4	56.5	62.9	32.0	57.3		
	31,000—50,000 VND	12.1	7.2	3.9	4.4	2.4	14.7	0.3	7.2		
	Above 50,000 VND	0.7	0.7	0.8	0.6	0.2	1.3	0.0	0.6		
	Average [VND/month] 1)	19,308	17,978	15,312	15,087	14,474	20,495	9,905	16,574		

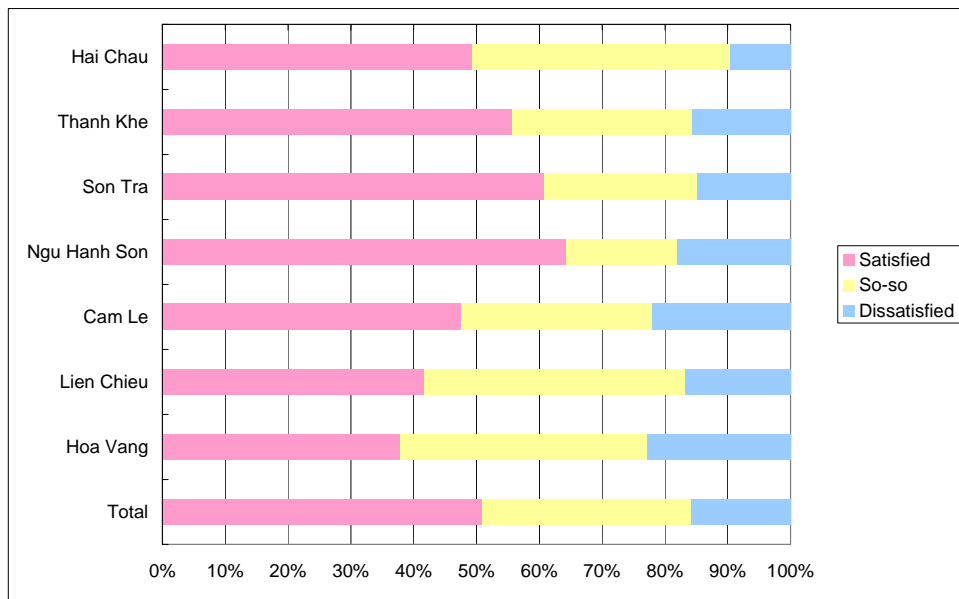
## 5 HOUSING

**Table 5.1 People's Assessment on Housing Conditions and Needs**

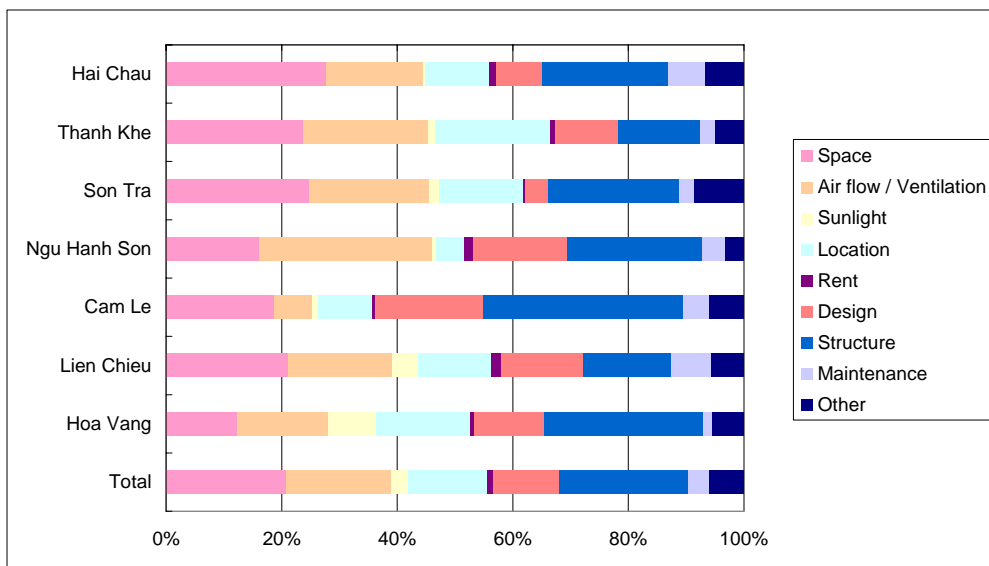
			Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Situation of Present Living Conditions	Ownership (%)	Owner-occupied	98.5	95.6	95.8	97.3	98.8	93.7	98.5	96.9
		State-owned house for rental	0.2	1.8	0.3	0.0	0.0	0.0	0.1	0.5
		Private-owned house for rental or borrow	0.9	1.4	1.8	1.8	1.0	5.6	0.8	1.7
		Group-owned or religion's house	0.2	0.1	0.4	0.3	0.0	0.7	0.0	0.2
		Joint ownership of state and uncertain ownership	0.2	0.5	0.4	0.6	0.0	0.0	0.1	0.3
		Uncertain ownership	0.1	0.6	1.3	0.0	0.2	0.0	0.4	0.4
	Average Number of Household Members		3.9	4.0	4.1	4.0	3.8	3.9	3.8	3.9
	Average Living Area	per household	97.8	96.0	117.3	131.7	113.3	144.3	91.0	107.9
		per person [m2/person]	25.0	23.9	28.7	32.5	29.8	37.1	23.7	27.3
	Type of House (%)	Traditional house	8.0	0.6	0.8	0.8	1.0	1.4	0.5	2.6
		Apartment	5.3	0.2	0.4	1.5	0.0	0.6	0.0	1.6
		High-rise	0.2	1.4	0.3	0.3	0.0	0.0	0.0	0.4
		Detached house	86.4	97.8	98.5	97.4	99.0	98.0	99.5	95.4
Assessment of Present Living Conditions	Satisfaction with Existing Housing Conditions (%)	Dissatisfied	9.7	15.8	14.9	18.0	22.0	16.8	22.8	15.9
		So-so	40.9	28.5	24.3	17.7	30.4	41.5	39.3	33.2
		Satisfied	49.4	55.7	60.8	64.2	47.6	41.7	37.9	50.9
	Reason for Dissatisfaction (%)	Space	27.7	23.8	24.8	16.1	18.7	21.0	12.3	20.8
		Air flow /	16.8	21.6	20.7	29.8	6.6	18.2	15.8	18.2
		Sunlight	0.4	1.2	1.8	0.8	1.1	4.5	8.4	2.9
		Location	10.9	19.8	14.4	4.8	9.3	12.5	16.1	13.8
		Rent (if	1.3	0.9	0.5	1.6	0.5	1.7	0.6	0.9
		Design	8.0	11.0	4.1	16.1	18.7	14.2	12.3	11.5
		Structure	21.8	14.0	22.5	23.4	34.6	15.3	27.4	22.3
Maintenance	6.3	2.7	2.7	4.0	4.4	6.8	1.6	3.8		
Other	6.7	4.9	8.6	3.2	6.0	5.7	5.5	5.9		
Desire for Future Living Conditions	Affordable Amount for House Purchase (thousand VND)		416,835	1,761,380	27,291	5,650	1,841	266,736	24,664	357,771 (average)
	Desired Living Space (%)	> 30 m2	0.2	0.1	0.0	0.3	0.0	0.2	0.1	0.1
		30–50 m2	1.5	2.3	1.5	0.0	0.7	1.5	1.0	1.4
		50–75 m2	13.0	14.4	6.2	1.2	2.9	2.1	7.6	8.7
		75–100 m2	39.2	47.6	21.0	2.9	20.1	8.0	19.6	28.1
		100–150 m2	31.2	27.2	54.6	60.8	46.9	32.8	37.4	38.3
		150 m2 <	14.9	8.4	16.7	34.9	29.4	55.4	34.2	23.3
	Average [m2] 1)	108	100	120	140	130	147	129	119	
	Desired Type of Housing (%)	Traditional house	8.3	1.6	3.3	1.2	1.2	7.8	3.8	4.4
		High-rise	0.5	0.6	0.3	0.3	0.0	1.0	4.2	1.0
		Medium-rise apartment (4–5 stories)	10.7	6.0	1.5	0.9	1.9	11.2	9.2	6.8
		Detached house	79.0	89.8	94.6	97.1	95.9	79.2	74.6	85.7
	Preferred Location (%)	Other	1.5	2.0	0.4	0.6	1.0	0.8	8.2	2.2
		Urban center	44.9	23.9	6.9	8.1	2.2	5.7	3.7	19.0
		Thanh Khe	1.8	60.6	0.3	2.9	1.2	13.5	1.3	15.0
		Hai Chau	45.3	4.4	11.3	6.1	3.8	9.0	2.9	15.9
		Son Tra	1.5	0.7	79.9	1.5	0.7	1.9	1.9	13.2
Other districts		2.4	1.2	0.7	0.9	0.5	1.7	1.0	1.4	
Ngu Hanh Son		1.2	2.7	0.4	79.9	0.0	0.6	0.1	6.5	
Cam Le		1.4	2.5	0.3	0.3	90.9	0.4	2.2	8.9	
Lien Chieu		1.2	3.7	0.1	0.0	0.0	65.9	1.5	8.2	
Hoa Vang		0.3	0.4	0.1	0.3	0.7	1.3	85.4	12.1	

<sup>1)</sup> Average value is calculated using median values for each value range, assuming the respondents answering maximum and minimum ranges have the same trend as other ranges.

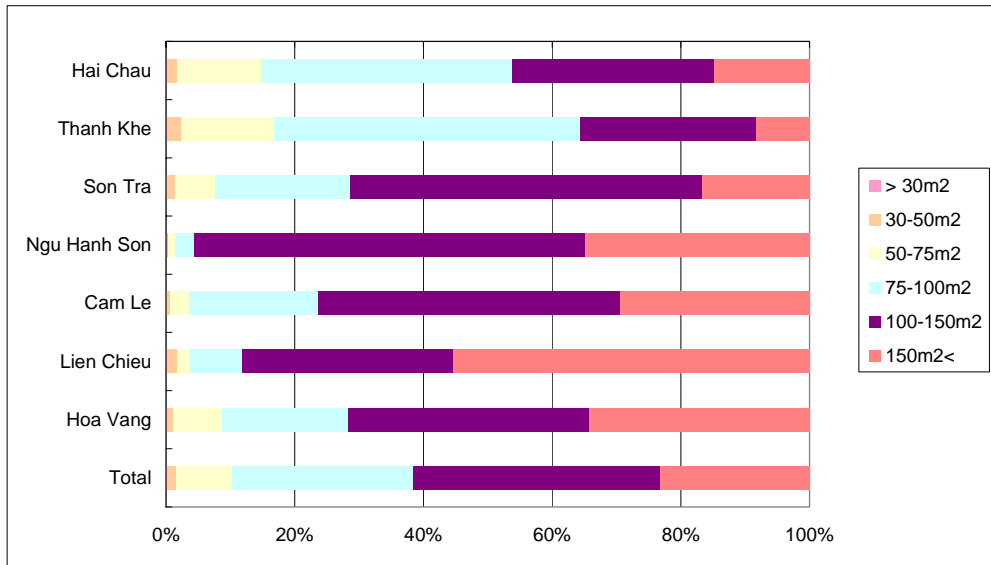
**Figure 5.1 Satisfaction with Existing Housing Conditions**



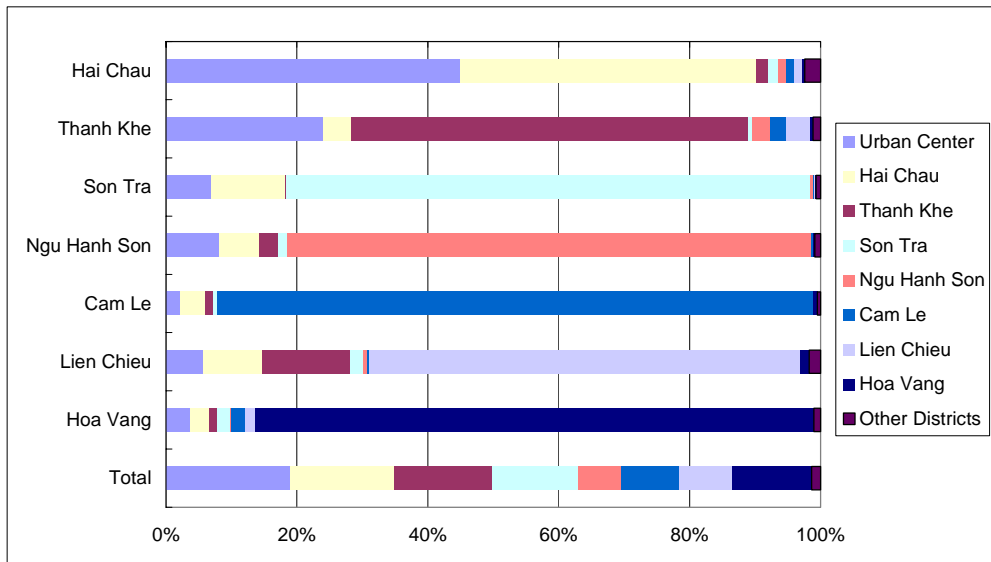
**Figure 5.2 Reason for Dissatisfaction with Existing Housing Conditions**



**Figure 5.3 Desired Living Space**



**Figure 5.4 Desired Location for Living in Future**



**Table 5.2 Funding for Housing Needs**

		Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Borrow Money for House Purchase (%)	Yes	5.1	4.9	8.0	24.7	20.6	7.6	22.1	10.7
	No	94.9	95.1	92.0	75.3	79.4	92.4	77.9	89.3
Money for House Purchase Borrowed From (%)	Bank or financial institution	57.6	41.5	50.0	39.6	43.2	43.9	40.2	44.1
	Relatives or Private money lender(s)	30.3	34.0	24.2	47.3	37.5	48.8	39.0	37.7
	Private money lender(s)	4.5	5.7	4.8	2.2	1.1	4.9	5.5	4.1
	Credit association (eg Women's Union, etc.)	7.6	15.1	8.1	11.0	13.6	2.4	15.2	11.7
	Resettlement PMUs	0.0	3.8	11.3	0.0	3.4	0.0	0.0	2.1
	Other	0.0	0.0	1.6	0.0	1.1	0.0	0.0	0.4
Property Used as Collateral for House Purchase (%)	Yes	46.0	25.5	43.3	7.1	30.2	25.0	36.4	30.8
	No	39.7	70.6	53.3	91.8	67.4	67.5	63.6	65.7
	Don't know	14.3	3.9	3.3	1.2	2.3	7.5	0.0	3.5
Money Initially Borrowed for House Purchase (million VND)		214,380	24,393	797,435	1,650	2,830	52,405	64,507	165,371 (average)
Whether to Borrow Loans for House Purchase if Available (%)	Yes	7.1	4.5	3.5	12.6	16.1	13.0	7.3	7.8
	No	79.7	92.1	95.3	86.5	72.7	74.3	89.7	85.3
	Don't know	13.1	3.4	1.2	0.9	11.3	12.8	2.9	6.9
If Available, Money for House Purchase would be Borrowed From (%)	Bank or financial institution	80.9	74.5	59.3	79.5	44.0	72.5	75.5	69.1
	Relatives or Private money lender(s)	11.2	9.8	14.8	15.9	8.3	8.7	11.3	10.8
	Private money lender(s)	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.2
	Credit association (eg Women's Union, etc.)	6.7	7.8	22.2	4.5	29.8	15.9	13.2	14.6
	Resettlement PMUs	1.1	5.9	3.7	0.0	3.6	0.0	0.0	1.9
Other	0.0	2.0	0.0	0.0	13.1	2.9	0.0	3.4	
If Available, Preferred Loan Repayment Plan (%)	Pay 50% of total amount and pay the rest for 10 years	29.9	31.3	34.6	0.0	23.3	22.9	12.2	22.5
	Pay 50% of total amount and pay the rest for 20 years	13.8	8.3	19.2	4.7	12.3	7.1	16.3	11.4
	Pay 25% of total amount and pay the rest for 10 years	16.1	12.5	3.8	0.0	8.2	11.4	6.1	9.6
	Pay 25% of total amount and pay the rest for 20 years	19.5	18.8	15.4	46.5	17.8	37.1	20.4	25.0
	Borrow 100% and repay for 10 years	3.4	4.2	0.0	20.9	6.8	5.7	24.5	8.8
	Borrow 100% and repay for 20 years	14.9	22.9	11.5	27.9	8.2	14.3	16.3	15.9
	Other	2.3	2.1	15.4	0.0	23.3	1.4	4.1	6.8
If Available, Amount of Money to Borrow (million VND)		29,320	12,160	6,210	6,910	7,740	12,685	8,445	11,924 (average)
If Available, Affordable Amount of Repayment (thousand VND/month)		185,311	92,705	51,050	52,353	82,900	91,902	82,307	91,218 (average)

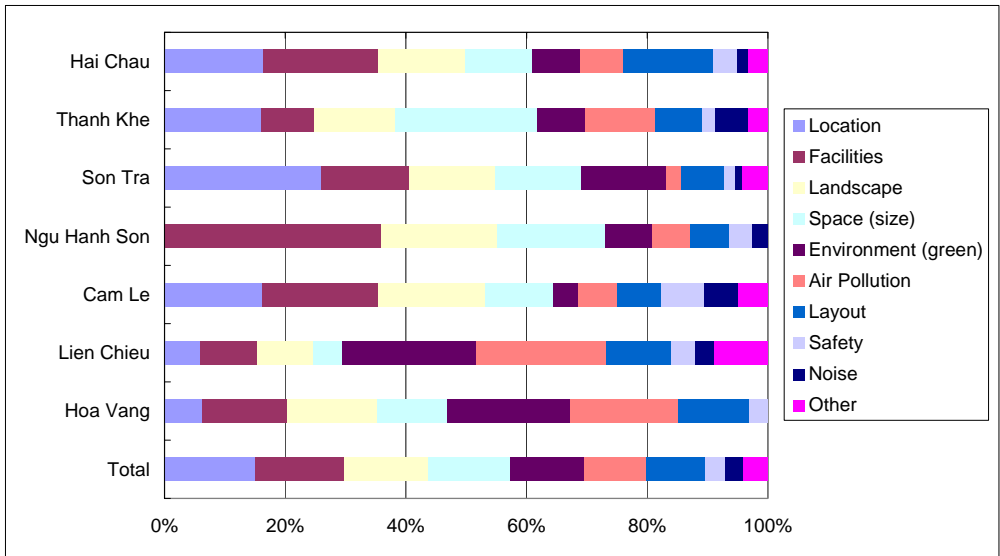
## 6 LIVING CONDITIONS

**Table 6.1 People's Assessment on Parks / Green Space**

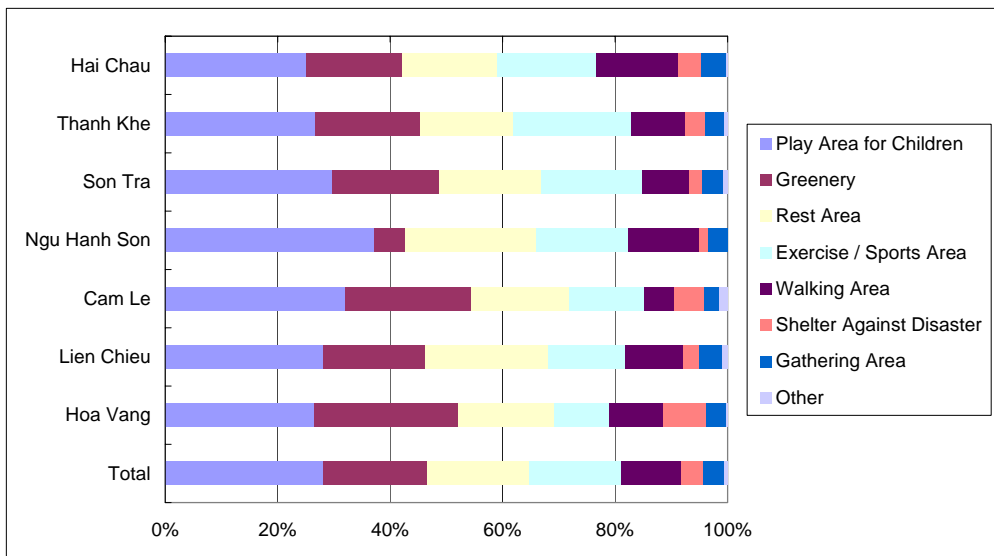
			Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoang Vang	Total	
Availability of Parks and Green Space in Neighborhood (%)	Yes	Within walking distance	17.6	15.0	14.6	39.5	1.0	14.7	1.0	14.1	
		Within a reached distance	12.3	5.4	7.4	15.4	0.5	6.3	0.3	7.1	
	No		70.1	79.6	78.0	45.1	98.6	79.0	98.7	78.8	
Importance of Access to Park and Green Space (% of Yes)		Yes	89.3	78.2	75.8	100.0	67.5	83.8	77.8	81.7	
Satisfaction with Parks (%)		Dissatisfied	16.0	18.0	24.8	11.3	14.9	27.8	9.4	17.7	
		So-so	56.1	47.8	38.1	43.3	62.4	55.8	49.0	50.3	
		Satisfied	27.8	34.2	37.1	45.3	22.8	16.4	41.6	32.0	
Reason for Dissatisfaction (%)		Location	16.4	16.0	25.9	0.0	16.1	5.8	6.3	15.1	
		Facilities	18.9	8.8	14.7	35.9	19.4	9.6	14.1	14.8	
		Landscape	14.4	13.4	14.2	19.2	17.7	9.2	14.8	13.8	
		Space (size)	11.1	23.5	14.2	17.9	11.3	4.8	11.7	13.7	
		Environment (green)	8.1	8.0	14.2	7.7	4.0	22.3	20.3	12.3	
		Air pollution	7.1	11.5	2.4	6.4	6.5	21.6	18.0	10.1	
		Layout	14.9	7.8	7.2	6.4	7.3	10.6	11.7	9.9	
		Safety	4.0	2.1	1.9	3.8	7.3	4.1	3.1	3.3	
		Noise	1.8	5.6	1.1	2.6	5.6	3.1	0.0	2.8	
		Other	3.3	3.2	4.3	0.0	4.8	8.9	0.0	4.1	
Needed Function of Parks / Garden Spaces (%)		Play area for children	25.0	26.8	29.7	37.1	31.9	28.2	26.5	28.0	
		Greenery (trees, plants, flowers)	17.2	18.6	18.9	5.7	22.5	18.0	25.5	18.6	
		Rest area	16.7	16.6	18.3	23.3	17.5	21.9	17.3	18.1	
		Exercise/sports area	17.6	20.9	17.9	16.4	13.3	13.7	9.6	16.4	
		Walking area	14.7	9.7	8.5	12.5	5.3	10.3	9.7	10.6	
		Shelter against disaster	4.1	3.5	2.1	1.6	5.5	3.0	7.5	4.0	
		Gathering area	4.4	3.4	3.9	3.5	2.5	4.0	3.6	3.7	
		Other	0.3	0.6	0.7	0.0	1.6	1.0	0.2	0.6	
Needed Facilities of Parks / Garden Spaces (%)		Playground for children	19.7	21.8	27.2	33.3	33.9	23.2	19.1	23.7	
		Footpaths	17.3	18.9	22.4	27.2	11.2	20.7	14.0	18.5	
		Benches	10.3	19.4	17.3	11.9	10.0	7.8	14.4	13.6	
		Space for gathering	12.5	11.3	7.4	9.6	14.7	15.0	14.4	12.0	
		Public Toilets	13.5	8.1	12.0	7.8	11.8	13.8	12.4	11.5	
		Lighting	13.1	11.6	9.6	7.8	7.9	11.7	10.6	11.0	
		Bulletin boards for public information	10.4	6.5	2.1	0.4	8.9	3.7	13.9	7.3	
		Kiosks (vendors)	3.1	1.3	0.4	0.6	0.6	3.6	1.0	1.7	
		Other	0.2	0.9	1.6	1.3	1.0	0.5	0.2	0.7	
		Other	16.6	11.1	34.7	43.8	23.1	38.4	1.0	21.0	
Expected Frequency of Using Parks for Main Purpose (%)		Rest (%)	2-3 times/week	20.9	14.1	13.8	22.5	19.3	15.0	4.8	15.8
			Once a week	27.6	21.7	4.9	26.9	17.8	9.8	10.0	18.3
			Rarely/never	34.9	53.1	46.6	6.8	39.8	36.8	84.2	45.0
		Exercise (%)	Daily	39.9	34.4	48.9	34.6	29.9	40.7	2.7	34.2
			2-3 times/week	19.8	14.8	12.2	19.1	16.3	13.6	3.5	14.6
			Once a week	16.8	8.7	3.3	17.9	11.4	6.1	5.6	10.3
		Walk (%)	Rarely/never	23.4	42.1	35.6	28.4	42.4	39.6	88.2	40.8
			Daily	19.9	18.1	39.1	25.0	9.8	26.0	2.3	20.4
			2-3 times/week	25.9	15.3	14.1	27.5	22.0	14.3	2.9	17.7
		Play with Children (%)	Once a week	28.3	12.3	6.8	28.7	22.3	8.7	10.4	17.1
			Rarely/never	25.8	54.3	40.0	18.8	45.8	51.1	84.4	44.8
			Daily	3.3	11.1	23.0	15.7	3.4	7.7	0.2	8.8
Gather (%)	2-3 times/week	11.4	7.0	11.5	22.8	11.7	15.5	2.3	10.7		
	Once a week	20.3	14.8	7.9	17.3	33.7	6.1	6.7	14.7		
	Rarely/never	65.0	67.1	57.6	44.1	51.1	70.7	90.8	65.7		
See performance (%)	Daily	2.1	2.0	5.4	1.9	1.1	4.0	0.4	2.4		
	2-3 times/week	5.7	3.7	5.6	4.0	4.5	8.0	1.2	4.7		
	Once a week	20.2	14.8	18.5	20.4	29.5	9.1	4.0	16.2		
Rarely/never	72.0	79.5	70.5	73.8	64.8	78.9	94.4	76.7			
	Daily	0.2	0.8	2.3	0.6	0.4	4.2	0.0	1.1		
	2-3 times/week	0.9	3.7	1.7	0.9	1.9	1.2	0.6	1.7		
Once a week	11.8	8.8	3.8	1.9	15.9	6.6	2.1	7.7			
Rarely/never	87.0	86.6	92.1	96.6	81.8	88.1	97.3	89.5			



**Figure 6.1 Reason for Dissatisfaction of Parks / Green Space**



**Figure 6.2 Needed Function of Parks / Green Space**



**Table 6.2 Landscape in Danang City**

			Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Negative Impact of Landscape Elements (%)	Electric Wires (%)	Seriously	30.9	31.8	43.8	48.1	32.7	45.4	14.2	33.7
		Yes	68.5	67.0	54.7	50.4	63.9	54.2	85.2	65.1
		No	0.6	1.2	1.5	1.5	3.4	0.4	0.6	1.1
	Parking on Sidewalks (%)	Seriously	18.8	16.0	31.1	17.2	20.0	25.3	10.9	19.7
		Yes	78.2	79.0	67.7	82.2	76.8	73.2	88.3	77.8
		No	2.9	5.0	1.2	0.6	3.2	1.5	0.7	2.5
	Advertisement in Urban Areas (%)	Seriously	6.2	8.6	16.1	5.2	4.5	11.0	2.8	8.1
		Yes	85.1	84.5	69.1	88.4	88.9	78.2	95.4	83.7
		No	8.7	6.9	14.8	6.4	6.7	10.8	1.7	8.2
	Advertisement in Suburban	Seriously	1.5	4.1	10.2	0.6	0.8	6.6	0.5	3.7
		Yes	81.6	78.7	71.3	88.2	83.7	80.0	88.5	80.7
		No	17.0	17.2	18.5	11.2	15.5	13.5	11.0	15.6
	Design of Buildings (%)	Seriously	6.5	15.8	8.5	1.2	5.5	11.2	2.0	8.1
		Yes	75.0	67.2	65.9	73.3	62.9	65.5	77.2	69.0
		No	18.6	9.6	24.4	18.0	26.6	19.4	7.8	16.5
Overscale Buildings (%)	Seriously	14.4	22.8	8.8	6.0	6.6	16.2	8.5	13.5	
	Yes	71.8	69.6	65.7	62.8	67.9	63.8	82.8	70.0	
	No	13.8	7.6	25.5	31.2	25.4	20.0	8.7	16.6	
Landscape Objects (% of Most Favorite)	Han river bridge	<b>12</b>	<b>17</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>18</b>	<b>23</b>	<b>16</b>	
	Ba Na	<b>15</b>	<b>11</b>	<b>13</b>	<b>16</b>	<b>18</b>	<b>14</b>	<b>20</b>	<b>15</b>	
	Son Tra peninsula	<b>11</b>	<b>13</b>	<b>27</b>	<b>17</b>	<b>15</b>	<b>9</b>	<b>2</b>	<b>13</b>	
	My Khe beach	<b>13</b>	<b>12</b>	<b>16</b>	<b>9</b>	<b>9</b>	<b>5</b>	<b>4</b>	<b>11</b>	
	Non Nuoc beach	<b>10</b>	<b>10</b>	<b>8</b>	<b>14</b>	<b>12</b>	<b>6</b>	<b>9</b>	<b>10</b>	
	Big C (Vinh Trung Plaza)	<b>10</b>	<b>10</b>	<b>3</b>	<b>6</b>	<b>4</b>	<b>9</b>	<b>7</b>	<b>8</b>	
	Hai Van	<b>4</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>4</b>	<b>7</b>	<b>6</b>	<b>5</b>	
	Metro	<b>6</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>5</b>	<b>2</b>	<b>6</b>	<b>3</b>	
	Furama resort	<b>5</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>3</b>	<b>6</b>	<b>2</b>	<b>3</b>	
	Xuan Thieu beach	<b>3</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>6</b>	<b>4</b>	<b>3</b>	
	Hoang Anh Gai Lai Plaza	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>2</b>	
	Chi Lang Stadium	<b>2</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>2</b>	
	Indochina riverside tower	<b>3</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>	
	29 April Park	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>4</b>	<b>2</b>	
	Trung Vuong Theater	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	
	People's Committee Building	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>1</b>	
	Tuy Loan Village	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>	
Softtech office tower (Quang Trung)	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>		
Landscape Objects (% of Least Favorite)	Tuy Loan Village	<b>13</b>	<b>11</b>	<b>11</b>	<b>10</b>	<b>15</b>	<b>15</b>	<b>12</b>	<b>12</b>	
	Chi Lang Stadium	<b>10</b>	<b>10</b>	<b>12</b>	<b>8</b>	<b>14</b>	<b>8</b>	<b>11</b>	<b>10</b>	
	29 April Park	<b>9</b>	<b>10</b>	<b>9</b>	<b>11</b>	<b>10</b>	<b>11</b>	<b>6</b>	<b>9</b>	
	Xuan Thieu beach	<b>7</b>	<b>9</b>	<b>7</b>	<b>10</b>	<b>7</b>	<b>9</b>	<b>8</b>	<b>8</b>	
	Metro	<b>7</b>	<b>9</b>	<b>9</b>	<b>2</b>	<b>7</b>	<b>7</b>	<b>4</b>	<b>7</b>	
	Softtech office tower (Quang Trung)	<b>5</b>	<b>7</b>	<b>10</b>	<b>5</b>	<b>5</b>	<b>7</b>	<b>8</b>	<b>7</b>	
	Trung Vuong Theater	<b>7</b>	<b>6</b>	<b>5</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>6</b>	
	Indochina riverside tower	<b>5</b>	<b>6</b>	<b>7</b>	<b>5</b>	<b>3</b>	<b>7</b>	<b>6</b>	<b>6</b>	
	People's Committee Building	<b>6</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>6</b>	<b>5</b>	
	Hai Van	<b>4</b>	<b>4</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>5</b>	<b>7</b>	<b>5</b>	
	Hoang Anh Gai Lai Plaza	<b>5</b>	<b>4</b>	<b>7</b>	<b>3</b>	<b>9</b>	<b>2</b>	<b>3</b>	<b>5</b>	
	Big C (Vinh Trung Plaza)	<b>5</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>3</b>	<b>3</b>	
	Ba Na	<b>4</b>	<b>6</b>	<b>2</b>	<b>6</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>3</b>	
	My Khe beach	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>5</b>	<b>7</b>	<b>3</b>	
	Non Nuoc beach	<b>3</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>5</b>	<b>4</b>	<b>3</b>	
	Son Tra peninsula	<b>4</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>7</b>	<b>3</b>	
	Furama resort	<b>2</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>2</b>	
Han river bridge	<b>2</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>		

**Table 6.3 Leisure Time Spending**

		Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total	
Travel to Outside Danang City Last Year (%)	No	72.7	79.4	71.3	71.5	84.2	62.5	90.8	76.2	
	Yes	Once	14.6	15.6	23.0	21.5	10.3	23.8	7.9	16.2
		2—3 times	9.2	3.7	4.2	3.8	1.9	9.0	0.9	5.2
		More than 3	3.6	1.2	1.5	3.2	3.6	4.8	0.4	2.4
Top 10 Destinations	Hue City	35	20	9	8	4	20	4	22	
	HCMC	37	21	13	7	5	13	4	20	
	Thang Binh	26	11	22	7	4	25	5	17	
	Hanoi	32	19	16	10	5	14	3	10	
	Khanh Hoa	33	28	13	4	5	14	3	6	
	Lam Dong	34	19	12	7	7	17	4	5	
	Binh Son D	27	13	17	13	4	25	0	3	
	Qui Nhon C	34	6	16	16	19	9	0	2	
	Quang Binh	27	30	7	0	10	17	10	2	
	Dak Lak	15	26	11	26	7	7	7	2	
Activities for Freetime (%)	Stay at home	31	33	39	43	40	37	43	36	
	Watch movies	22	15	17	31	22	26	20	21	
	Drive around the city	8	10	7	7	7	7	8	8	
	Visit relatives	5	10	6	2	8	11	8	7	
	Visit friends	7	6	7	7	4	4	7	6	
	Enjoy specialty	4	5	6	2	3	3	3	4	
	Shop	6	5	3	2	3	2	1	4	
	Go to the beach	4	5	3	2	3	3	0	3	
	Play sports	5	2	2	1	1	1	1	2	
	Study	1	1	1	0	1	0	0	1	
	Go to Han river	1	0	0	0	0	0	0	0	
	Go camping	0	1	0	0	1	0	0	0	
	Visit historical	1	1	0	0	0	0	0	0	
	Go to the islands	0	0	0	0	0	0	0	0	
	Go to the mountains	0	0	0	0	0	0	0	0	
Other	5	7	8	2	8	6	7	6		

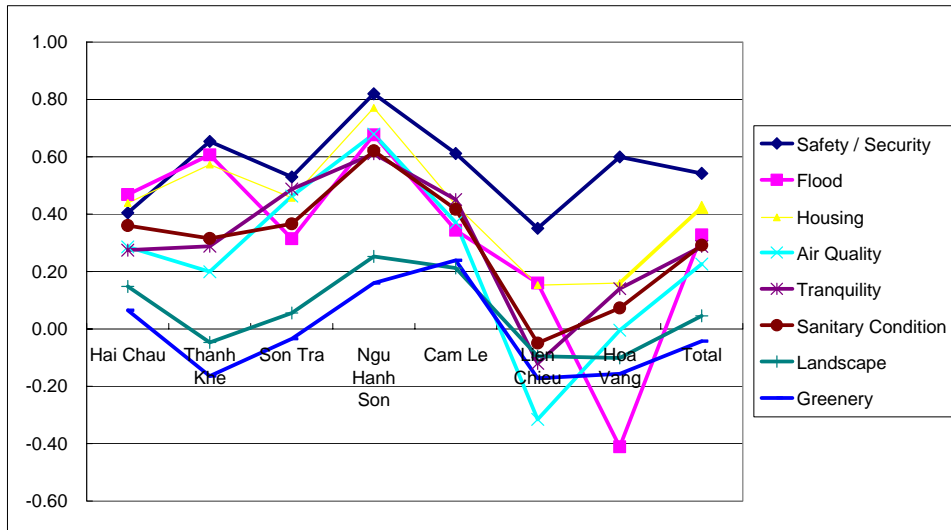
**Table 6.4 People's Assessment of Living Environment**

			Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Living Environment	Safety / Security	Score 1)	0.40	0.65	0.53	0.82	0.61	0.35	0.60	0.54
		% dissatisfied 2)	10.3	11.3	13.3	8.4	12.7	15.6	5.8	11.0
	Flood	Score 1)	0.47	0.61	0.31	0.68	0.34	0.16	-0.41	0.33
		% dissatisfied 2)	10.3	10.6	19.2	12.0	29.5	23.2	41.5	19.0
	Housing	Score 1)	0.44	0.57	0.46	0.77	0.43	0.15	0.16	0.42
		% dissatisfied 2)	9.5	9.2	8.4	4.4	8.6	13.4	13.2	9.8
	Air Quality	Score 1)	0.29	0.20	0.46	0.68	0.37	-0.32	0.00	0.23
		% dissatisfied 2)	12.7	23.2	9.4	12.2	16.5	35.8	21.9	18.4
	Tranquility	Score 1)	0.27	0.29	0.49	0.61	0.45	-0.12	0.14	0.29
		% dissatisfied 2)	16.9	21.4	7.2	16.9	17.3	26.4	15.5	17.2
	Sanitary Condition	Score 1)	0.36	0.32	0.37	0.62	0.42	-0.05	0.07	0.29
		% dissatisfied 2)	10.7	19.4	15.0	7.9	10.1	23.4	16.1	15.0
	Landscape	Score 1)	0.15	-0.05	0.06	0.25	0.21	-0.10	-0.10	0.05
		% dissatisfied 2)	17.0	30.7	23.4	13.1	7.2	21.8	22.9	21.1
Greenery	Score 1)	0.06	-0.16	-0.03	0.16	0.24	-0.17	-0.16	-0.04	
	% dissatisfied 2)	23.3	36.5	26.8	19.5	16.6	28.7	26.2	27.2	
Utility Services	Power Supply	Score 1)	0.39	0.42	0.29	0.76	0.59	0.38	0.19	0.39
		% dissatisfied 2)	5.9	8.9	9.0	8.7	9.3	14.8	10.9	9.1
	Water Supply	Score 1)	0.40	0.53	0.38	0.60	-0.05	0.35	-0.75	0.33
		% dissatisfied 2)	6.8	7.0	5.0	8.1	37.5	17.4	46.8	12.3
	Gas Supply	Score 1)	0.45	0.39	0.56	1.15	1.00	0.25	0.00	0.46
		% dissatisfied 2)	3.6	4.3	0.0	0.0	0.0	0.0	26.3	5.7
	Telecom	Score 1)	0.43	0.55	0.51	0.98	0.61	0.55	0.19	0.50
		% dissatisfied 2)	5.0	1.3	0.9	1.2	4.3	10.2	6.0	3.9
	Solid Waste Collection	Score 1)	0.39	0.64	0.48	0.73	0.54	0.53	-0.12	0.49
		% dissatisfied 2)	6.4	4.1	3.6	4.2	11.3	10.4	32.3	7.5
Access to Urban Services	To Market (daily supply)	Score 1)	0.20	0.66	0.46	0.63	0.45	0.31	0.18	0.39
		% dissatisfied 2)	12.7	3.6	7.2	1.5	8.5	9.5	14.6	8.8
	To Health Care Centers	Score 1)	0.05	0.50	0.28	0.62	0.22	0.13	0.15	0.25
		% dissatisfied 2)	14.0	9.7	9.2	2.1	16.0	18.1	15.2	12.3
	To Public Transportation	Score 1)	0.03	0.17	-0.01	0.50	0.13	0.04	-0.33	0.04
		% dissatisfied 2)	17.1	24.6	19.5	2.4	22.1	19.5	39.8	21.7
	To Primary School	Score 1)	0.27	0.54	0.41	0.63	0.60	0.35	0.25	0.40
		% dissatisfied 2)	8.4	4.7	1.6	1.8	3.1	9.5	8.7	5.9
	To Parks / Green Spaces	Score 1)	0.01	0.17	-0.13	0.24	0.07	0.01	-0.52	0.01
		% dissatisfied 2)	20.6	23.8	29.5	17.6	23.0	27.3	51.8	25.5
To Entertainment Facilities	Score 1)	-0.07	0.18	-0.18	0.12	0.11	0.00	-0.52	-0.03	
	% dissatisfied 2)	24.3	22.1	31.9	22.8	19.1	26.3	50.8	26.7	
To Public Administrative	Score 1)	-0.02	0.35	0.27	0.61	0.55	0.50	0.20	0.28	
	% dissatisfied 2)	17.1	11.7	6.1	2.3	3.7	7.4	8.3	10.0	

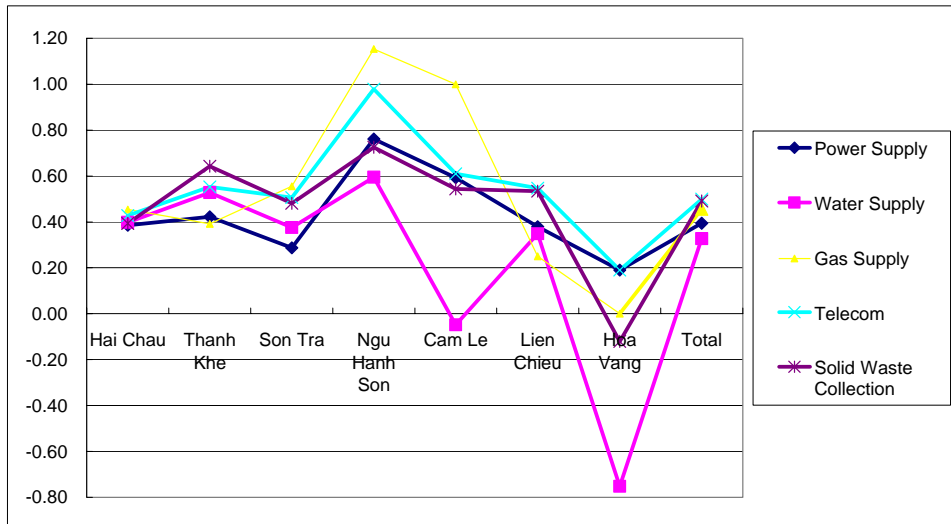
<sup>1)</sup> Score is calculated based on: Highly satisfied=+3, Satisfied=+1, So-so=0, Dissatisfied=-1, Highly dissatisfied=-3

<sup>2)</sup> Including % who answered dissatisfied and highly dissatisfied

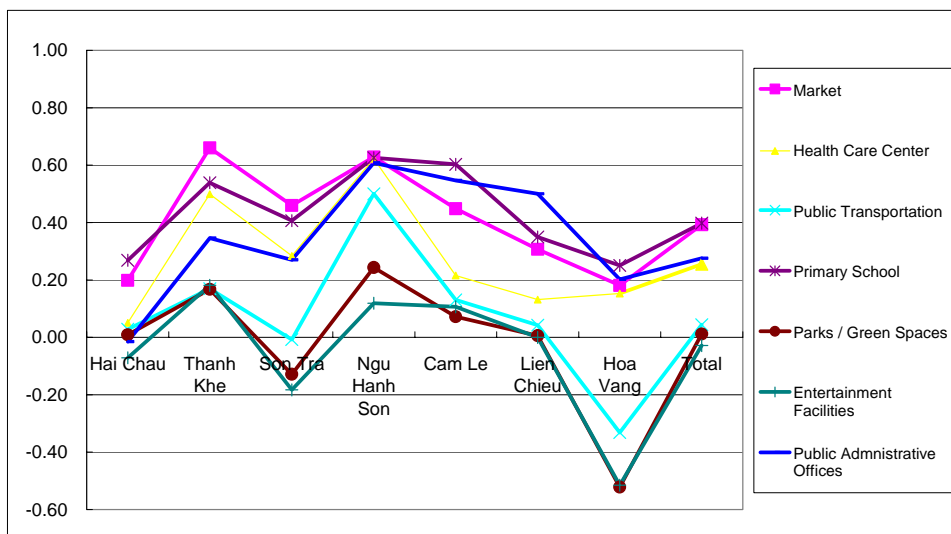
**Figure 6.3 Assessment on Living Environment**



**Figure 6.4 Assessment on Utility Services**



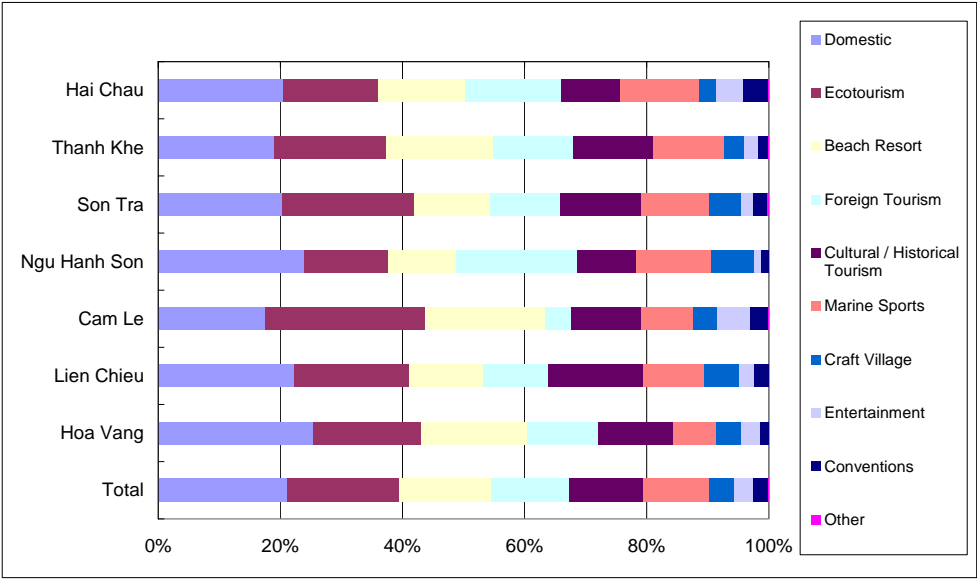
**Figure 6.5 Assessment on Access to Urban Services**



**Table 6.5 People's Assessment of Tourism**

		Hai Chau	Thanh Khe	Son Tra	Ngu Hanh	Cam Le	Lien Chieu	Hoa Vang	Total
Importance of Tourism Promotion in Danang City (% of Total)	Yes, very important	43.4	35.4	44.6	70.6	22.2	36.0	36.1	40.3
	Yes, important	45.1	53.5	39.6	27.9	65.1	59.6	57.9	49.8
	So-so	6.1	7.8	10.9	1.2	10.0	4.0	3.1	6.5
	Not so important	5.1	3.1	4.5	0.0	2.6	0.4	2.9	3.2
	Not important at all	0.4	0.2	0.4	0.3	0.0	0.0	0.0	0.2
Type of Tourism to be Promoted (% of Total)	Domestic	20.5	19.1	20.3	24.0	17.6	22.2	25.4	21.1
	Ecotourism (mountains, etc.)	15.5	18.3	21.7	13.7	26.2	18.9	17.7	18.4
	Beach resort (mass) tourism	14.2	17.6	12.4	11.0	19.7	12.2	17.3	15.1
	Foreign tourism	15.8	13.1	11.5	19.8	4.2	10.6	11.6	12.8
	Cultural / historical tourism	9.7	13.0	13.3	9.8	11.4	15.6	12.4	12.1
	Marine sports (sailing, diving, sport fishing, etc)	12.8	11.7	11.0	12.3	8.5	10.0	7.1	10.8
	Craft village	2.9	3.3	5.3	6.9	4.0	5.6	4.0	4.2
	Entertainment (casinos, theater, etc)	4.3	2.2	2.0	1.3	5.3	2.5	3.2	3.1
	Conventions / exhibitions / conferences	4.2	1.6	2.2	1.2	3.0	2.4	1.4	2.5
	Other	0.0	0.1	0.3	0.0	0.1	0.0	0.0	0.1
Reason for Promoting Tourism (% of Total)	To increase employment opportunities	67.5	77.5	62.6	86.4	67.9	69.1	75.9	71.7
	To increase income/demand for goods from visitors	27.3	13.3	29.2	12.4	22.2	23.7	20.2	21.7
	To meet foreign people / people from other regions	4.8	8.5	7.9	1.2	6.3	6.8	3.4	5.9
	Other	0.5	0.6	0.3	0.0	3.6	0.4	0.5	0.7
Reason for Not Promoting Tourism (% of Total)	Leads to higher prices for locals	40.1	35.2	19.2	50.0	23.5	36.4	24.1	30.8
	Leads to resettlement of locals	25.1	23.3	38.8	12.5	32.7	22.7	29.1	28.9
	Industrial development should be more of a priority	12.4	6.4	5.8	12.5	12.2	11.4	12.7	9.4
	Leads to greater pressure on services (electricity, water, waste disposal)	14.6	20.1	29.0	0.0	17.3	20.5	12.7	19.6
	Leads to environmental degradation	3.4	10.5	7.1	25.0	12.2	6.8	17.7	8.4
	Other	4.5	4.6	0.0	0.0	2.0	2.3	3.8	3.0

**Figure 6.6 Type of Tourism to be Promoted**



**Table 6.6 Vulnerability to Disasters**

			Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Typhoon (wind damage)	Property Damage (%)	Serious	7.9	11.0	29.2	35.7	34.2	33.5	52.9	24.7
		Slight	38.4	41.7	30.9	50.3	44.3	56.8	43.3	41.9
		None	53.7	47.4	39.8	14.0	21.5	9.7	3.8	33.4
	Injury (%)	Serious	0.2	0.0	0.5	0.9	0.7	0.4	0.7	0.4
		Slight	2.2	0.6	0.4	4.7	1.0	0.6	1.5	1.4
		None	97.7	99.4	99.1	94.4	98.3	99.0	97.8	98.2
Mortality			0	11	152	0	8	0	40	211
Typhoon (storm surge)	Property Damage (%)	Serious	0.1	0.1	0.1	2.6	0.2	0.0	0.7	0.4
		Slight	1.4	0.0	0.7	9.6	0.2	0.0	1.0	1.3
		None	98.5	99.9	99.2	87.8	99.5	100.0	98.2	98.4
	Injury (%)	Serious	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0
		Slight	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1
		None	99.8	100.0	100.0	99.7	100.0	100.0	100.0	99.9
Mortality			0	0	61	0	0	0	8	69
Flood (gradual inundation)	Property Damage (%)	Serious	0.4	0.0	0.1	2.9	2.4	0.0	11.5	2.1
		Slight	1.9	0.3	0.7	3.8	3.1	0.0	13.8	3.1
		None	97.6	99.7	99.2	93.3	94.5	100.0	74.7	94.9
	Injury (%)	Serious	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.1
		Slight	0.2	0.0	0.0	0.0	0.2	0.2	1.5	0.3
		None	99.8	100.0	100.0	100.0	99.5	99.8	98.1	99.6
Mortality			0	0	61	0	0	0	8	69
Flood (flash flood)	Property Damage (%)	Serious	0.2	0.0	0.0	0.0	0.2	0.2	5.9	0.9
		Slight	0.8	0.1	0.3	0.0	0.7	0.0	3.8	0.8
		None	99.0	99.9	99.7	100.0	99.0	99.8	90.3	98.3
	Injury (%)	Serious	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0
		Slight	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.1
		None	100.0	100.0	100.0	100.0	100.0	100.0	98.8	99.8
Mortality			0	0	61	0	0	0	8	69
Landslide	Property Damage (%)	Serious	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Slight	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
		None	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.0
	Injury (%)	Serious	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Slight	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		None	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mortality			5	0	60	0	0	0	12	77
Saline Intrusion	Property Damage (%)	Serious	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Slight	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
		None	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0
	Injury (%)	Serious	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Slight	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		None	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mortality			5	0	60	0	0	0	12	77
Fire	Property Damage (%)	Serious	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Slight	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
		None	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.0
	Injury (%)	Serious	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Slight	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		None	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mortality			0	0	60	0	0	0	12	72
Earthquake	Property Damage (%)	Serious	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Slight	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
		None	99.9	100.0	100.0	100.0	100.0	100.0	99.9	100.0
	Injury (%)	Serious	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Slight	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		None	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mortality			0	0	61	0	0	0	12	73
Other	Property Damage (%)	Serious	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Slight	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
		None	100.0	100.0	100.0	100.0	100.0	100.0	99.9	100.0
	Injury (%)	Serious	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Slight	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		None	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Mortality			5	0	59	0	5	0	8	77



**Table 6.7 Security / Safety**

			Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Current Security Situation	In the City in General (%)	Bad	3.2	6.1	2.1	1.7	3.8	4.2	3.4	3.7
		So-so	29.9	27.3	40.4	46.8	34.4	53.1	35.2	35.6
		Good	62.0	60.3	50.5	40.4	58.9	42.1	46.1	53.9
		Very good	4.9	6.2	7.0	11.0	2.9	0.6	15.4	6.7
		Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	In Your Community During the Day (%)	Bad	3.2	5.1	6.1	4.7	5.0	3.6	3.9	4.4
		So-so	33.9	22.4	29.3	40.4	19.9	33.9	26.9	29.1
		Good	59.1	67.3	58.2	43.9	63.6	57.1	61.1	60.1
		Very good	3.8	5.2	6.4	11.0	11.5	5.3	8.0	6.4
		Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	In Your Community At Night (%)	Bad	6.6	8.0	9.2	4.7	8.9	9.5	6.6	7.6
		So-so	42.5	32.5	30.9	42.7	36.1	50.5	29.1	37.2
		Good	48.7	55.3	56.0	41.6	46.7	35.0	56.6	50.2
		Very good	2.3	4.2	3.9	11.0	8.4	5.0	7.7	5.1
		Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Security Situation Compared to 5 Years Ago	In the City in General (%)	Worsened	6.0	9.5	5.4	4.4	5.0	7.8	3.4	6.3
		So-so	23.5	14.7	17.5	27.3	10.3	37.5	18.3	20.7
		Improved	70.5	75.8	77.0	68.3	84.7	54.7	78.4	73.0
		Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	In Your Community During the Day (%)	Worsened	3.6	5.3	7.7	9.9	6.5	5.0	4.1	5.5
		So-so	29.5	21.6	14.9	22.1	7.4	26.1	20.8	21.8
		Improved	66.8	73.1	77.4	68.0	86.1	69.0	75.1	72.8
		Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	In Your Community At Night (%)	Worsened	7.2	6.4	9.0	7.8	10.3	9.5	7.0	7.8
		So-so	31.6	25.0	15.3	23.3	10.3	38.9	20.0	24.6
		Improved	61.2	68.6	75.7	68.9	79.4	51.6	73.0	67.6
		Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

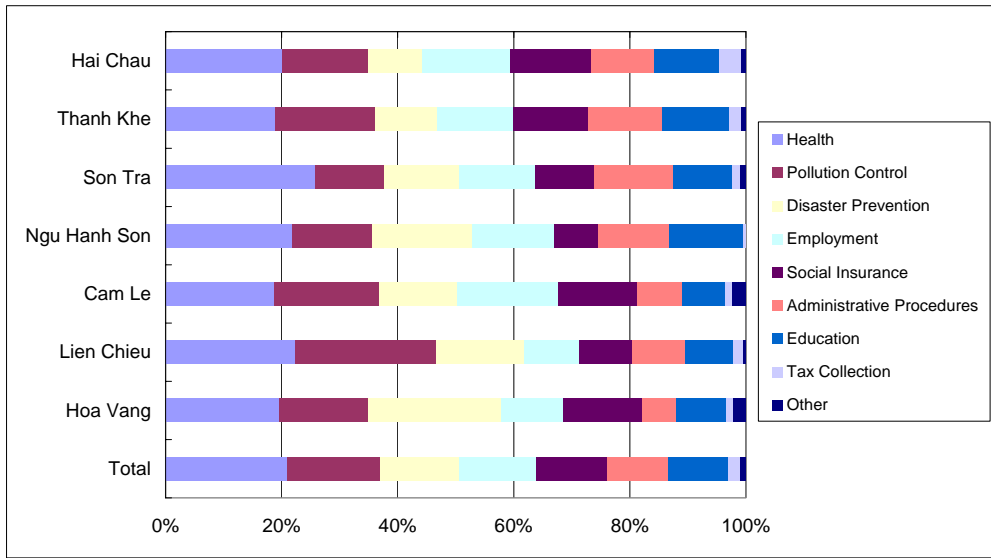
**Table 6.8 Needs for Improvement of Living Condition (1)**

		Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Improve Safety / Security (%)	Low	1.7	0.5	0.0	0.0	4.5	0.6	0.3	1.0
	So-so	17.1	16.1	8.4	27.6	27.5	7.4	21.9	16.8
	High	81.2	83.4	91.6	72.4	67.9	92.0	77.8	82.2
Prevent Flood / Natural Disasters (%)	Low	1.6	0.5	0.4	0.9	5.3	0.6	0.3	1.2
	So-so	19.9	22.0	11.6	22.7	19.4	16.2	10.2	17.5
	High	78.5	77.5	88.0	76.5	75.4	83.2	89.5	81.3
Provide Better Housing (%)	Low	1.6	0.2	0.0	0.3	3.3	0.8	0.0	0.8
	So-so	16.7	28.0	23.2	25.6	30.9	10.3	13.3	20.7
	High	81.6	71.9	76.8	74.1	65.8	89.0	86.7	78.5
Improve Sanitary Conditions (%)	Low	1.4	0.6	0.8	0.3	3.3	0.4	0.4	1.0
	So-so	16.7	19.3	12.5	25.0	30.1	13.0	9.8	17.0
	High	82.0	80.1	86.7	74.7	66.5	86.7	89.8	82.1
Protect Natural Environment (%)	Low	0.9	0.6	0.4	0.3	1.2	0.8	0.3	0.6
	So-so	13.0	15.5	13.8	25.3	25.8	12.0	6.1	14.5
	High	86.1	84.0	85.8	74.4	73.0	87.2	93.6	84.8
Prevent Pollution (%)	Low	1.0	1.0	0.3	0.3	1.0	0.8	0.7	0.8
	So-so	10.8	14.2	14.9	24.7	16.7	9.7	5.8	12.8
	High	88.2	84.8	84.9	75.0	82.3	89.5	93.4	86.4
Enhance Landscape (%)	Low	1.3	0.8	0.4	0.3	6.0	0.8	0.6	1.2
	So-so	17.7	13.9	18.3	35.8	24.4	15.6	8.2	17.3
	High	81.0	85.3	81.3	64.0	69.6	83.6	91.2	81.5
Improve Electricity Supply (%)	Low	1.8	1.0	0.4	0.3	3.3	0.8	1.0	1.2
	So-so	34.4	41.2	30.7	40.7	40.4	24.6	20.3	33.2
	High	63.8	57.8	68.9	59.0	56.2	74.7	78.7	65.5
Improve Water Supply (%)	Low	2.3	1.0	0.4	0.3	3.1	0.6	1.5	1.4
	So-so	36.7	43.2	34.8	39.2	28.9	21.1	10.1	32.0
	High	60.9	55.8	64.8	60.5	67.9	78.3	88.5	66.6
Improve Waste Collection (%)	Low	1.9	1.6	0.3	0.3	14.4	0.2	0.6	2.2
	So-so	37.0	45.2	35.5	41.6	40.0	32.6	18.6	36.1
	High	61.1	53.1	64.3	58.1	45.7	67.2	80.8	61.8
Improve Public Transportation (%)	Low	1.5	1.2	0.0	0.3	4.5	0.2	0.4	1.1
	So-so	25.9	24.5	19.9	35.8	22.7	22.1	13.5	23.0
	High	72.6	74.3	80.1	64.0	72.7	77.7	86.1	75.9
Improve Transportation in General (%)	Low	2.1	1.4	0.1	0.3	2.9	0.2	0.6	1.2
	So-so	21.1	22.3	16.9	36.0	23.2	15.2	13.7	20.3
	High	76.8	76.3	83.0	63.7	73.9	84.6	85.7	78.5
Reduce Poverty (%)	Low	2.2	4.6	0.5	0.3	0.2	0.2	0.3	1.7
	So-so	12.1	8.1	10.9	21.2	9.8	5.1	8.3	10.3
	High	85.8	87.3	88.6	78.5	90.0	94.7	91.4	88.1
Generate Wealth (%)	Low	1.9	0.2	0.3	1.5	0.7	0.6	0.7	0.9
	So-so	12.3	7.9	17.8	25.6	11.2	10.3	9.5	12.4
	High	85.8	91.9	81.9	73.0	88.0	89.1	89.8	86.7
Pursue Industrialization (%)	Low	1.2	0.6	0.3	0.0	2.2	3.4	0.6	1.1
	So-so	11.7	16.8	15.4	28.2	14.4	18.9	5.3	14.6
	High	87.1	82.6	84.3	71.8	83.5	77.7	94.2	84.4
Improve Services Sector (%)	Low	0.8	0.2	0.5	0.0	1.2	0.8	0.9	0.6
	So-so	8.2	7.5	11.3	23.3	12.4	9.1	4.5	9.5
	High	91.0	92.3	88.2	76.7	86.4	90.1	94.6	89.9
Pursue High-Tech Industry and Education (%)	Low	0.6	0.1	0.1	0.0	1.9	0.6	0.4	0.5
	So-so	8.7	10.8	16.6	25.0	15.8	13.1	6.0	12.1
	High	90.7	89.1	83.3	75.0	82.3	86.3	93.6	87.4
Create Employment (%)	Low	1.5	0.4	0.0	0.3	1.0	0.4	0.6	0.7
	So-so	5.7	6.2	8.2	20.9	6.5	5.0	1.9	6.7
	High	92.8	93.4	91.8	78.8	92.6	94.7	97.5	92.6

**Table 6.9 Needs for Improvement of Living Condition (2)**

		Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoang Vang	Total
Need for Improvement in Service Quality (%)	Health	20.1	18.9	25.7	21.8	18.8	22.4	19.6	20.9
	Pollution control	14.8	17.3	11.9	13.8	18.0	24.2	15.3	16.1
	Disaster prevention	9.3	10.6	13.0	17.2	13.5	15.2	22.9	13.5
	Employer-job seeker matching	15.3	13.2	13.1	14.1	17.3	9.6	10.7	13.4
	Social insurance	13.9	12.9	10.1	7.6	13.7	9.0	13.7	12.1
	Administrative procedures	10.8	12.8	13.6	12.2	7.7	9.1	5.9	10.6
	Education	11.2	11.6	10.3	12.8	7.3	8.3	8.6	10.3
	Tax collection	3.9	2.1	1.4	0.5	1.3	1.8	1.2	2.1
Other	0.8	0.7	0.9	0.0	2.3	0.4	2.1	1.0	
Important Aspects to be Improved (%)	Safety / Security	9.0	8.3	12.7	13.2	6.4	11.5	4.3	9.1
	Greenery	8.9	11.2	9.7	10.5	1.2	7.1	6.2	8.4
	Landscape	7.5	10.0	8.1	10.7	9.3	6.9	4.6	8.0
	Air Quality	7.0	8.3	4.8	6.5	9.1	11.0	6.9	7.5
	To Parks / Green Spaces	6.8	7.6	8.2	6.6	1.1	6.4	9.9	7.1
	Sanitary	5.3	6.7	7.6	7.1	7.2	5.8	6.1	6.4
	To Entertainment	6.6	6.5	8.0	7.6	1.1	5.7	5.5	6.2
	To Health Care Centers	7.6	3.8	6.5	4.1	10.1	6.2	5.1	6.1
	Flood	3.5	4.7	5.0	3.8	9.0	5.8	11.0	5.7
	To Public Transportation	6.1	5.9	5.0	4.0	4.8	3.5	8.1	5.6
	Housing	6.7	4.9	3.5	3.4	6.7	7.5	4.4	5.4
	Tranquility	6.9	7.0	2.5	4.7	5.4	4.6	2.4	5.1
	Water Supply	1.3	2.3	2.4	5.3	7.6	3.9	10.0	3.9
	To Public Administrative Office	4.6	2.8	3.6	2.3	5.2	2.0	0.9	3.2
	Power Supply	1.9	3.6	5.0	3.3	3.8	2.5	2.7	3.1
	To Market (daily supply)	4.0	1.7	2.6	0.4	4.9	1.9	3.3	2.8
	Solid Waste Collection	1.6	2.0	1.0	2.9	4.1	1.8	5.8	2.5
	To Primary School	3.0	1.1	2.0	1.4	1.4	3.9	1.1	2.1
	Telecom	0.9	1.1	0.9	0.9	1.3	1.5	0.8	1.0
	Gas Supply	0.7	0.4	0.8	1.3	0.2	0.6	0.8	0.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Level of Pollution in Area (%)	Bad	7.1	16.3	10.5	15.1	19.4	35.0	21.8	16.1
	So-so	29.0	14.7	18.7	19.2	41.1	46.1	45.9	28.9
	Low	63.8	69.0	70.8	65.7	39.5	18.9	32.3	55.0
Main Sources of Pollution in Area (%)	Industrial zone	2.5	4.5	10.9	2.0	5.2	19.5	5.7	8.1
	Large factories outside IZ	1.3	2.6	5.0	2.8	1.5	9.1	4.9	4.3
	Household craft enterprises	14.0	8.3	10.0	26.5	6.2	8.5	11.6	10.9
	Residential households / commercial enterprises / offices	21.2	19.8	18.5	11.6	13.3	11.6	7.2	14.8
	Agriculture, fisheries or forestry	3.2	2.4	14.2	11.2	10.9	4.0	14.6	7.6
	Hospital	4.4	1.4	3.3	0.8	2.8	2.1	0.3	2.3
	Traffic	28.4	30.5	18.7	21.3	19.5	26.4	27.3	25.9
	Chemical	4.7	8.0	2.8	2.8	27.0	6.2	13.9	9.3
	Construction	18.4	18.7	13.7	18.1	8.5	11.1	11.6	14.1
	Waste disposal sites	1.9	3.6	3.0	2.8	5.2	1.5	2.9	2.7
Impacts of Pollution in Area (%)	Poor health	98.2	97.6	96.0	94.4	93.7	94.3	96.6	96.1
	Less / no	1.3	1.2	1.3	1.6	3.0	0.7	1.7	1.5
	Lost / reduced assets	0.4	1.2	1.3	3.2	3.0	3.2	1.7	1.9
	Other	0.0	0.0	1.3	0.8	0.4	1.8	0.0	0.6

**Figure 6.7 Need for Improvement in Service Quality**



## 7 FUTURE DEVELOPMENT OF DANANG CITY

Table 7.1 Key Factors for Development in Danang City

		Hai Chau	Thanh Khe	Son Tra	Ngu Hanh Son	Cam Le	Lien Chieu	Hoa Vang	Total
Vision of Danang City in the Future (%)	Environmentally rich city supported by services and tourism	24.7	21.5	18.0	22.8	20.8	22.5	22.9	22.1
	Growth center in central VN which can compete with Hanoi	16.3	18.2	24.1	15.4	26.2	17.1	15.1	18.6
	Center for culture, arts, and tourism	16.3	12.5	14.4	14.7	10.4	17.2	14.0	14.4
	Industrial and manufacturing city exporting cheap goods to the world	13.0	14.1	13.1	11.8	16.3	6.9	19.9	13.7
	Modern tourist city offering outdoor activities and entertainment	10.7	8.8	14.3	20.3	12.2	11.1	7.7	11.3
	Center for hi-tech industry and	8.0	10.5	5.4	7.7	7.1	14.7	12.9	9.4
	Gateway to the east-west Greater Mekong Subregion corridor	6.6	8.0	6.0	4.4	3.8	3.1	2.3	5.5
	Center for processing natural resources from the central	4.0	6.1	4.4	2.9	3.1	7.5	5.0	4.9
	Other	0.3	0.3	0.1	0.0	0.1	0.0	0.1	0.2
Central Themes to be Emphasized in Danang's Development (%)	Health and	19.4	14.0	21.7	21.5	23.2	16.5	27.0	19.8
	Strong communities and families	16.0	17.3	18.4	24.0	13.3	13.5	16.7	16.8
	Social harmony and equality	9.1	10.8	12.0	9.9	18.1	8.3	17.1	11.7
	Futuristic and high-tech industry	8.5	9.7	8.0	8.0	4.2	11.4	10.5	8.9
	Commerce and business	8.1	13.0	8.3	7.7	11.7	7.4	4.2	8.8
	International and outward looking	9.1	8.7	8.4	4.1	5.4	6.9	6.4	7.6
	Fun and	9.3	6.1	8.0	7.6	10.3	7.0	5.3	7.6
	Nature and natural environment	8.9	6.7	4.9	10.6	3.3	13.4	4.1	7.3
	Culture, history, and the arts	6.8	8.7	5.2	4.8	4.8	10.8	5.7	6.9
	Order and careful control	4.6	4.5	4.9	1.9	5.5	4.8	2.8	4.3
	Other	0.2	0.4	0.2	0.0	0.2	0.1	0.1	0.2

## **SURVEY FORMS**

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**Form 1: Household Information**

**Form 2: Household Member Information**

**Form 3: Daily Activity Information**

**Form 4: People's Opinion on Transportation Environment**

**Form 5: People's Satisfaction with & Perception on Living Conditions**



# DaCRISS Household Interview Survey

## INSTRUCTION FOR ANSWERING QUESTIONNAIRE FORMS

Please answer all the questions one by one sequentially. Print the information in the space provided or put a check mark in the appropriate box.

### Form 1: Household information

Only the head of the household should complete Form 1.

### Form 2: Household member information

Should be completed for every member of household who is more than 6 years old.

### Form 3: Daily Activity Information

Should be completed for every member of household who is more than 6 years old.

### Form 4: People's Opinion on Transport Environment

Should be completed for every member of household who is more than 15 years old.

### Form 5: People's Satisfaction /Perception on Living Conditions

Only the selected members of household (the head of the household or other) should complete. (Please specify their member code)

Note: Please stress to the households that the information given in these surveys is **confidential and will ONLY be used in aggregate**, so there is no way they could be personally identified from the data. Although personal details are collected in the survey this is only to allow the survey details to be checked for quality control purposes.

<b>FOR OFFICIAL USE ONLY</b>													
<b>Q1 Name of person in charge of this survey sheet</b>													
Interviewer		Q1a	<table border="1"><tr><td></td><td></td><td></td></tr></table>										
Supervisor		Q1b	<table border="1"><tr><td></td><td></td><td></td></tr></table>										
Coder		Q1c	<table border="1"><tr><td></td><td></td><td></td></tr></table>										
Encoder		Q1d	<table border="1"><tr><td></td><td></td><td></td></tr></table>										
<b>Q2 Survey Date</b>													
Date / Month	<table border="1"><tr><td></td><td></td></tr></table>			Q2	<table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td>d</td><td>d</td><td>m</td><td>m</td></tr></table>					d	d	m	m
d	d	m	m										
<b>Q3 Questionnaire Control Information</b>													
a. HIS Zone No.		Q3a	<table border="1"><tr><td></td><td></td><td></td></tr></table>										
b. Household No.		Q3b	<table border="1"><tr><td></td><td></td><td></td><td></td><td></td></tr></table>										
c. No. of completed survey forms		Q3c	<table border="1"><tr><td></td><td></td></tr></table>										
Note!!!													
Q3c	<table border="1"> <tr> <td rowspan="3">}</td> <td>Form 0 and 1</td> </tr> <tr> <td>Form 2 and 3</td> </tr> <tr> <td>Form 4 and 5</td> </tr> </table>			}	Form 0 and 1	Form 2 and 3	Form 4 and 5						
}	Form 0 and 1												
	Form 2 and 3												
	Form 4 and 5												

## Form 1: HOUSEHOLD INFORMATION

INSTRUCTION: To be completed by HEAD of HOUSEHOLD

**Q4 Name**

\_\_\_\_\_

**Q5 Address of household**

(No) \_\_\_\_\_ (Name of street) \_\_\_\_\_

(To) \_\_\_\_\_ (Phuong/Xa) \_\_\_\_\_

(Quan/Huyen) \_\_\_\_\_ (City/Province) \_\_\_\_\_

Q5a

**Q6 Tel. Number** \_\_\_\_\_

**Q7 Household registration type (select one)**

1. KT1 2. KT2 3. KT3 4. KT4 5. Unregistered 6. Don't know

Q7

**Q8 Household member details (if you answered 1,2 or 3 to Q7 then including only members of your household who are recorded in your registration documents, if you answered 4, 5 or 6 to Q7 then please include all family members who are living together as a single economic unit)**

	Q8a	Q8b	Q8c	Q8d	Q8e
	Name of household member	Sex	Age	Relation to head	Living together
1				Head	
2					
3					
4					
5					
6					
7					
8					
9					
10					

<p><b>Q8b Sex</b></p> <p>1. Male 2. Female</p>	<p><b>Q8d Relation with head</b></p> <p>1. Wife/ husband 2. Children (in law) 3. Father/ mother (in law) 4. Other relatives 5. Non-relatives</p>	<p><b>Q8e Living together/ outside</b></p> <p>1. Living together with household 2. Living outside the household in Danang 3. Living outside the household elsewhere in Vietnam 4. Living outside the household and overseas</p>
--	--	---

**Q8f Number of household members 6 years-old and above living together**

Q8f

**Q8g Number of household members below 6 years-old living together**

Q8g



**Q9 Other persons living on the same property not already mentioned in Q8 (including people living in extensions built for this purpose, lodgers, house guests but excluding other households sharing the same apartment building ), if none then go onto Q10**

	Q9a	Q9b	Q9c	Q9d	Q9e	Q9f	Q9g
	Name	Sex	Age	Residency status	Occupation	Sector	Education
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

<p><b>Q9b Sex</b> 1. Male 2. Female</p>	<p><b>Q9d Residency status</b> 1. KT1 2. KT2 3. KT3 4. KT4 5. Unregistered 6. Don't know</p>	<p><b>Q9e Occupation</b> 01. Manager 02. Professional/technical 03. Farmer/fisherman 04. Military/police 05. Skilled worker (e.g. machinist, tailor, tour guide, Artists/craftsman etc.) 06. Unskilled worker 07. Small-scale vender (street seller, xe om etc) 08. Own business 09. Student in higher education (after high school) 10. School student (high school and below) 11. Housewife 12. No Job 13. Retired 14. Too young to work 15. Other 16. Don't know</p>
<p><b>Q9f Employment Sector</b> 01. Agriculture and forestry 02. Fishery 03. Mining &amp; quarrying 04. Manufacturing 05. Electricity, gas &amp; water supply 06. Construction 07. Wholesales &amp; retail trade; repair of motorcycle, personal &amp; household goods 08. Hotels &amp; restaurants 09. Transport, storage and communications 10. Financial intermediation 11. Scientific activities and technology 12. Real estate, renting &amp; business activities 13. Public adm. &amp; defense; compulsory social security 14. Education and training 15. Health &amp; social work 16. Recreational, cultural and sporting activities 17. Activities of Party and of membership organization 18. Community, social and personal service activities 19. Other Industries 20. Services ( people who work in barbershop, beauty salon) 21. Don't know 22. Not applicable</p>	<p><b>Q9g Education</b> 01. Master / Doctor 02. University 03. Junior College 04. High school or below 05. Don't know</p>	

**Q9f Number of non-household members living together**

Q9h

**Q10 Out-migration, if you have household members not living with you (answered 2, 3 or 4 in Q8e above) please give more details (if not then go to Q11)**

	Q10a Name	Q10b Location (province/ country)	Q10c Occupation	Q10d Employment sector	Q10e Education	Q10f Reason for leaving HH	Q10g Expected length of stay
<b>1</b>							
<b>2</b>							
<b>3</b>							
<b>4</b>							
<b>5</b>							

**Q10c Occupation**

- 01. Manager
- 02. Professional/technical
- 03. Farmer/fisherman
- 04. Military/police
- 05. Skilled worker (e.g. machinist, tailor, tour guide, Artists/craftsman etc.)
- 06. Unskilled worker
- 07. Small-scale vender (street seller, xe om etc)
- 08. Own business
- 09. Student in higher education (after high school)
- 10. School student (high school and below)
- 11. Housewife
- 12. No Job
- 13. Retired
- 14. Too young to work
- 15. Other
- 16. Don't know

**Q10d Employment Sector**

- 01. Agriculture and forestry
- 02. Fishery
- 03. Mining & quarrying
- 04. Manufacturing
- 05. Electricity, gas & water supply
- 06. Construction
- 07. Wholesales & retail trade; repair of motorcycle, personal & household goods
- 08. Hotels & restaurants
- 09. Transport, storage and communications
- 10. Financial intermediation
- 11. Scientific activities and technology
- 12. Real estate, renting & business activities
- 13. Public adm. & defense; compulsory social security
- 14. Education and training
- 15. Health & social work
- 16. Recreational, cultural and sporting activities
- 17. Activities of Party and of membership organization
- 18. Community, social and personal service activities
- 19. Other Industries
- 20. Services ( people who work in barbershop, beauty salon)
- 21. Don't know

**Q10e Education**

- 01. Master / Doctor
- 02. University
- 03. Junior College
- 04. High school or below
- 05. Don't know

**Q10f Reason for leaving**

- 01. Economic
- 02. Education
- 03. Personal reasons
- 04. Living conditions
- 05. Other
- 06. Don't know

**Q10g Length of stay**

- Either enter number of years, or:
- 97. Permanent
  - 98. Temporary (under 6 months)
  - 99. Don't know

**Q11 How long has your family lived at your current address?**

\_\_\_\_\_ Years

Q11

**Q12 Where was your previous address?**

\_\_\_\_\_  
Phuong / Xa                      District                      City / Province

Q12

**Q13 What was your main reason for moving from your previous address, select one?**

Q13

<b>01.</b> For better housing	<b>06.</b> Resettled from inner city
<b>02.</b> Previous address too expensive	<b>07.</b> Resettled from agricultural
<b>03.</b> More convenient location	<b>08.</b> Resettled from village
<b>04.</b> For work/business	<b>09.</b> Other
<b>05.</b> Start a new family	<b>10.</b> Don't know

**Q14 Housing and land ownership**

<b>a. Type of house (filled by surveyors)</b>					
1. Traditional house	3. High-rise apartment	Q14a <input type="text"/>			
2. Apartment	4. Detached house				
<b>b. Structure of house (filled by surveyors)</b>					
1. Permanent	3. Stable wooden frame with leaf roof	Q14b <input type="text"/>			
2. Semi-permanent	4. Temporary house				
<b>c. Maintenance condition (filled by surveyors)</b>					
1. Very bad	2. Bad	3. So-so	4. Good	5. Very Good	Q14c <input type="text"/>

**d. Housing ownership**

1. Owner-occupied	4. Group-owned or religion's house
2. State-owned house for rental	5. Joint ownership of state and individual
3. Private-owned house for rental or borrow	6. Uncertain ownership

Q14d

**e. If rented, how much do you pay per month?**

Q14e VND  ,  ,000

**f. Living area [m<sup>2</sup>]**

Q14f

**g. Number of bedrooms**

Q14g

**h. Age of house (Write 99 if do not know, write 100 if more than 100 years)**

Q14h

**Q15 Please give details of land you make use of in Danang**

Plot	Q15a Type of land (multiple options permitted)	Q15b Plot size (sq. m)	Q15c Ownership	Q15d How obtained?	Q15e Documentation (please list all)	Q15f Registered use (on any certification)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

<b>Q15a Type of land (actual use) and Q15f Registered use (on any certification)</b>	<b>Q15c LUR Ownership</b>	<b>Q15d How obtained?</b>
1. Residential (where I live) 2. Other residential 3. Commercial (shop, office etc) 4. Production land (craft other industry) 5. Garden land 6. Irrigated agricultural land 7. Other agricultural land 8. Surface water 9. Forestry/plantation 10. Other (specify _____)	1. Self-owned 2. State-owned land for rental 3. Private-owned land for rental or borrow 4. Joint ownership of state and individual 5. Group-owned or religion's house 6. Uncertain ownership	1. Purchased from the government 2. Purchased from a private owner 3. Purchased from SOE 4. Inherited/gift 5. Allocated in resettlement 6. Allocated land by government (excluding resettlement and purchase from government) 7. Rented/leased 8. Other (specify _____) 9. Don't know

**Q15e Documentation (please least all)**

1. LURC (red book) in your name including improvements
2. LURC in your name excluding improvements
3. LURC in a previous owners name including improvements
4. LURC in a previous owners name excluding improvements
5. BOLUC (pink book) in your name including improvements
6. BOLUC (pink book) in a previous owners name including improvements
7. Receipt for resettlement plot/apartment in your name
8. Receipt for resettlement plot/apartment in previous owners name
9. Residency right for state owned housing
10. Housing ownership certificate other than an LURC or BOLUC
11. Other official documentation (specify \_\_\_\_\_)
12. Unofficial documentation
13. None

**g.** How much is the price of residential land in your area per square meter (if don't know insert 000,000)?

Q15f VND , ,000

**Q16a** How much do you pay in land use tax/housing tax per year?

Q16a VND , ,000

**b.** Would you be prepared to pay more property tax for better urban services? **1. Yes 2. No**

Q16b

**Q17a Is your house connected with following urban services?**

1. Electricity	1. Yes	2. No.	Q17-1	<input type="checkbox"/>
2. Piped water supply	1. Yes	2. No	Q17-2	<input type="checkbox"/>
3. Toilet facility	1. Yes	2. No.	Q17-3	<input type="checkbox"/>
4. Gas	1. Yes	2. No	Q17-4	<input type="checkbox"/>
5. Telephone (fixed)	1. Yes	2. No	Q17-5	<input type="checkbox"/>
6. Solid waste collection	1. Yes	2. No	Q17-6	<input type="checkbox"/>
7. Sewage system	1. Yes	2. No	Q17-7	<input type="checkbox"/>
8. Internet	1. Yes	2. No	Q17-8	<input type="checkbox"/>

**Q17b What is average monthly expenditure of your household on:**

1. Transportation (gasoline, parking, public transport use)	Q17b-1	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	,	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	,000
2. Electricity	Q17b-2	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	,	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	,000
3. Water supply and sewerage services	Q17b-3	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	,	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	,000
4. Solid waste collection	Q17b-4	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	,	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	,000

**Q18 Please give details of your main energy usage**

Energy requirement	
1.Cooking	Q18a1 <input type="text"/>
2.Water heating	Q18a2 <input type="text"/>
3.Household heating	Q18a3 <input type="text"/>
4.Household production	Q18a4 <input type="text"/>
5.Other (specify _____)	Q18a5 <input type="text"/>

<b>01.</b> Electricity (mains)	<b>07.</b> Fuel oil / petrol /kerosene/ diesel
<b>02.</b> Electricity (generated)	<b>08.</b> Solar water heater
<b>03.</b> Gas	<b>09.</b> Solar panel (photovoltaic cells)
<b>04.</b> Coal	<b>10.</b> Other combustible biomass
<b>05.</b> Wood	<b>11.</b> Biogas
<b>06.</b> Charcoal	<b>12.</b> Other
	<b>13.</b> Not applicable

**Q19 Total monthly household income (VND/month)**

Q19a VND  ,  ,000

Estimated by Surveyors? 1. Yes 2. No. Q19b <input type="text"/>
--

**Q20 Are you classified as a poor household?**

1. Yes 2. No

Q20

**Q21 Do you have the following items in your house?**

	Number of Units		Number of Units
1.Air-con	Q21-1 <input type="text"/> <input type="text"/>	5. Radio	Q21-5 <input type="text"/> <input type="text"/>
2.Washing machine	Q21-2 <input type="text"/> <input type="text"/>	6. Computer	Q21-6 <input type="text"/> <input type="text"/>
3.Refrigerator	Q21-3 <input type="text"/> <input type="text"/>	7. Mobile phone	Q21-7 <input type="text"/> <input type="text"/>
4.TV	Q21-4 <input type="text"/> <input type="text"/>		

**Q22a Number of vehicles owned by household**

	Number of Units		Number of Units
1. Bicycle	Q22a-1 <input type="text"/> <input type="text"/>	6. Van (>5 pax)	Q22a-6 <input type="text"/> <input type="text"/>
2. Cyclo	Q22a-2 <input type="text"/> <input type="text"/>	7. Taxi	Q22a-7 <input type="text"/> <input type="text"/>
3. Motorcycle < 50cc	Q22a-3 <input type="text"/> <input type="text"/>	8. Truck	Q22a-8 <input type="text"/> <input type="text"/>
4. Motorcycle >= 50cc	Q22a-4 <input type="text"/> <input type="text"/>	9 Others	Q22a-9 <input type="text"/> <input type="text"/>
5. Car (<= 5 pax)	Q22a-5 <input type="text"/> <input type="text"/>		

**Q22b If you don't already have a car do you plan to buy one someday?**

1. Yes 2. No 3. Don't know

Q22b

**Q22c If you answered 'yes' to Q22b, how much do you think your household income would have to be before you considered buying a car (VND/month)?**

Q22c VND  ,  ,000

# Form 2 HOUSEHOLD MEMBER INFORMATION

S/N (Q3b)

INSTRUCTION: To be completed by EVERY HOUSEHOLD MEMBER aged 6 years and above.

**Q23 Name**

\_\_\_\_\_

Member Code		
Q24a		

**Q24 Personal Information**

**a. Age**

<input type="text"/>	<input type="text"/>
----------------------	----------------------

**b. Sex**

1. Male
2. Female

**c. Registration**

1. KT1	3. KT3	5. Unregistered
2. KT2	4. KT4	6. Don't know

Q24b

Q24c

**Q25a Do you have a driver's license of car and / or motorcycle?**

1. Motorcycle	2. Car	3. Both	4. None
---------------	--------	---------	---------

Q25a

**Q25b Do you have a vehicle for your own use?**

a. Car	b. Motorcycle	c. Bicycle
1. Yes, 2. No	1. Yes, 2. No	1. Yes, 2. No

Q25b

1	2	3
<input type="text"/>	<input type="text"/>	<input type="text"/>

**Q25c If no, how do you manage to travel ?**

1. Use household vehicle	5. Taxi
2. Sent off/pick-up by others	6. Walk
3. Use of public transport	7. Seldom going out
4. Motorcycle taxi (xe om)	8. Others

Q25c

**Q26 Occupation**

- 01. Manager
- 02. Professional/technical
- 03. Farmer/fisherman
- 04. Military/police
- 05. Skilled worker (e.g. machinist, tailor, tour guide, Artists/craftsman etc.)
- 06. Unskilled worker
- 07. Small-scale vender (street seller, xe om etc)
- 08. Own business
- 09. Student in higher education (after high school)
- 10. School student (high school and below)
- 11. Housewife
- 12. No Job
- 13. Retired
- 14. Too young to work
- 15. Other

**Q28 Employment Sector**

- 01. Agriculture and forestry
- 02. Fishery
- 03. Mining & quarrying
- 04. Manufacturing
- 05. Electricity, gas & water supply
- 06. Construction
- 07. Wholesales & retail trade; repair of motorcycle, personal & household goods
- 08. Hotels & restaurants
- 09. Transport, storage and communications
- 10. Financial intermediation
- 11. Scientific activities and technology
- 12. Real estate, renting & business activities
- 13. Public adm. & defense; compulsory social security
- 14. Education and training
- 15. Health & social work
- 16. Recreational, cultural and sporting activities
- 17. Activities of Party and of membership organization
- 18. Community, social and personal service activities
- 19. Other Industries
- 20. Services ( people who work in barbershop, beauty salon)
- 21. Not applicable

**Q29 Obtained Education**

- 1. Master / Doctor
- 2. University
- 3. Junior College
- 4. High school or below

**Q27 Economic sector**

- 1. Government - central
- 2. Government - local
- 3. Collective
- 4. Private – household
- 5. Private – other (limited company, joint stock, partnership)
- 6. Foreign invested – 100% foreign
- 7. Foreign invested - joint venture

Q26   Q29

Q27

Q28

Q30

**Q30 Approximately how long have you had this occupation (years)?**

**Q31 Monthly personal income (VND/month)**

Q31 VND , ,000

**Q32 Current Work or School Address**

(No) \_\_\_\_\_ (Name of street) \_\_\_\_\_

(To) \_\_\_\_\_ (Phuong/Xa) \_\_\_\_\_

(Quan/Huyen) \_\_\_\_\_ (City/Province) \_\_\_\_\_

Q32

**Q33a What was your previous job ? (please select from above)**

1. Occupation Q33a-1  2. Economic sector Q33a-2  3. Employment sector Q33a-3

**Q33b What occupation would you like to follow in the future? (please select from above)**

1. Occupation Q33b-1  2. Economic sector Q33b-2  3. Employment sector Q33b-3

**Q34 Would you consider moving in order to get a different job?**

1. Yes 2. No 3. Don't know

Q34

**Q35a Do you wish to change your location of residence in Danang?**

1. Yes 2. No

Q35a

**Q35b Please state the primary reasons for your desire "to change" or "not to change" residence location (choose one or two)?**

<b>01.</b> Near places for work	<b>05.</b> Good living environment
<b>02.</b> Near places for school	<b>06.</b> Price likely to increase
<b>03.</b> Near family	<b>07.</b> Cheap
<b>04.</b> Safe from natural disasters	<b>08.</b> Other (_____)

Q35b -1

Q35b -2

**Q35c If you answered 'yes' to Q35a, where would you like to move to?**

<b>01.</b> Urban center	<b>02.</b> Thanh Khe	<b>03.</b> Hai Chau	<b>04.</b> Son Tra
<b>05.</b> Other districts	<b>06.</b> Ngu Hanh Son	<b>07.</b> Cam Le	<b>08.</b> Lien Chieu
	<b>09.</b> Hoa Vang		

Q35c

**Q36a Do you wish to change your location of residence in Vietnam?**

1. Yes 2. No

Q36a

**Q36b Please state the primary reasons for your desire "to change" or "not to change" residence location (choose one or two)?**

1. Economic 2. Education 3. Personal reasons 4. Living conditions  
5. Other (specify,.....)

Q36b-1

Q36b-2

**Q36c If Yes in Q36a, what kind of area do you wish to move to?**

1. Rural 2. Urban (city) 3. Urban (town)

Q36c

**Q36d Which province would you like to move to?** \_\_\_\_\_  
(in case of don't know put 99)

Q36d

### Form 3: DAILY ACTIVITY INFORMATION

INSTRUCTION: To be completed by EVERY HOUSEHOLD MEMBER aged 6 years and above.

INSTITUTION OF ORIGIN AND DESTINATION		TRIP INFORMATION		Q37 TRIP No.1		
01. Residence 02. Office/ Bank 03. Public administrative offices 04. Factory/ Warehouse 05. School/ University 06. Medical/ Welfare 07. Religious/ Social 08. Wholesale/ Retail shop 09. Restaurant/ Entertainment 10. Park/ Green space 11. Field/garden/forest 12. Others	<b>(1) ORIGIN</b> Where did this trip begin? (Give address/ land mark, famous building, nearby)	No. Street (Phuong/Xa)		<input type="text"/>		
		District City/Province		<input type="text"/>		
		a.		<input type="text"/>		
		<b>(2) INSTITUTION of ORIGIN, and Type</b>		b. Institution	c. Type	
<b>TYPE</b> 1. Home (answer in Q5) 2. Workplace/School (answer in Q32) 3. Others	<b>(3) TIME STARTED (24-hour format)</b>	d. Hours Minutes		<input type="text"/>		
	<b>(4) TIME of ARRIVAL (24-hour format)</b>	e. Hours Minutes		<input type="text"/>		
<b>TRIP PURPOSE</b> 01. To Home 02. To Work 03. To School (to study) 04. At work / Business 05. To send / To pick up other family member or friends 06. To go shopping/Market 07. To eat (not at home) 08. To have an exercise 09. Joy riding 10. Social/ Recreation/ Religious 11. Other private purposes	<b>(5) DESTINATION</b> Where did this trip end? (Give address/ land mark, famous bldg, nearby)	No. Street (Phuong/Xa)		<input type="text"/>		
	District City/Province		<input type="text"/>			
<b>MODE of TRAVEL</b> 01. Walking 02. Bicycle - driver 03. Bicycle - passenger 04. Motorcycle - driver 05. Motorcycle - passenger (NOT Xe Om) 06. Car - driver 07. Car - passenger (NOT taxi) 08. Minibus (<=25 pax) 09. Standard Bus (>25 pax) 10. Cyclo 11. Xe Om 12. Taxi 13. Tourist Bus 14. Company Bus 15. School Bus 16. Truck 17. Ferry 18. Rail Train 19. Air 20. Others	<b>(6) INSTITUTION of DESTINATION, and Type</b>	g. Institution		h. Type		
	<b>(7) TRIP PURPOSE</b>	i.		j. (Purpose of accompanied person, if any)		
	<b>(8) MODE of TRAVEL</b>	Original mode	Travel Time (min.)	<b>TRANSFER POINT</b>		
	<b>(9) TRAVEL TIME (min.)</b>	Next mode	T. Time	1 <sup>st</sup> transfer		
<b>(10) TRANSFER</b> If you transferred to another vehicle/mode of travel during the trip, state the mode you changed to another place. (Give street intersection/famous bldg, or land mark)	Next mode	T. Time	2 <sup>nd</sup> transfer			
	Next mode	T. Time	3 <sup>rd</sup> transfer			
	Next mode	T. Time	4 <sup>th</sup> transfer			
	Last mode	T. Time	<input type="text"/>			
<b>(11) EXPENSE of TRAVEL</b> Excl. parking and fuel fee		<input type="text"/> (VND)				
<b>(12) PARKING</b>		1. Sidewalk 2. On-Road 3. Off-road 4. Inside house		<input type="text"/>		
<b>(13) Reason of mode choice</b>		1. Travel time 4. Cost 2. Comfort 5. Safety 3. Convenience 6. No other choice		<input type="text"/>		
<b>(14) Assessment of Trip</b>	<b>Travel Time</b>	1. Very bad 3. So-so 5. Very good 2. Bad 4. Good		<input type="text"/>		
	<b>Convenient</b>	1. Very bad 3. So-so 5. Very good 2. Bad 4. Good		<input type="text"/>		
	<b>Safety</b>	1. Very bad 3. So-so 5. Very good 2. Bad 4. Good		<input type="text"/>		
	<b>Overall Assessment</b>	1. Very bad 3. So-so 5. Very good 2. Bad 4. Good		<input type="text"/>		



<b>Q38 TRIP No.2</b>		
INFORMATION IS SAME AS IN DESTINATION OF TRIP No.1		
d. _____ Hours    _____ Minutes		
e. _____ Hours    _____ Minutes		
f. _____ No.    _____ Street (Phuong/Xa)		
_____ District    _____ City/Provinc		
e		
g. Institution		
h. Type		
i.		j. (Purpose of accompanied person, if any)
Original mode	Travel Time (min.)	<b>TRANSFER POINT</b>
		1 <sup>st</sup> transfer
Next mode	T. Time	2 <sup>nd</sup> transfer
Next mode	T. Time	3 <sup>rd</sup> transfer
Next mode	T. Time	4 <sup>th</sup> transfer
Next mode	T. Time	
<b>Expense of Travel</b> (VND)		
1. Sidewalk	2. On-Road	
3. Parking Lot	4. Inside house	
<b>Parking fee</b> _____ (VND)		
<b>Reason of mode choice</b>		
1. Travel time	4. Cost	
2. Comfort	5. Safety	
3. Convenience	6. No other choice	
<b>Travel Time</b>		
1. Very Bad	3. So-so	5. Very Good
2. Bad	4. Good	
<b>Convenience</b>		
1. Very Bad	3. So-so	5. Very Good
2. Bad	4. Good	
<b>Safety</b>		
1. Very Bad	3. So-so	5. Very Good
2. Bad	4. Good	
<b>Overall Assessment</b>		
1. Very Bad	4. Good	
2. Bad	5. Very Good	
3. So-so		

<b>Q39 TRIP No.3</b>		
INFORMATION IS SAME AS IN DESTINATION OF TRIP No.2		
d. _____ Hours    _____ Minutes		
e. _____ Hours    _____ Minutes		
f. _____ No.    _____ Street (Phuong /Xa)		
_____ District    _____ City/Provinc		
e		
g. Institution		
h. Type		
i.		j. (Purpose of accompanied person, if any)
Original mode	Travel Time (min.)	<b>TRANSFER POINT</b>
		1 <sup>st</sup> transfer
Next mode	T. Time	2 <sup>nd</sup> transfer
Next mode	T. Time	3 <sup>rd</sup> transfer
Next mode	T. Time	4 <sup>th</sup> transfer
Next mode	T. Time	
<b>Expense of Travel</b> (VND)		
1. Sidewalk	2. On-Road	
3. Parking Lot	4. Inside house	
<b>Parking fee</b> _____ (VND)		
<b>Reason of mode choice</b>		
1. Travel time	4. Cost	
2. Comfort	5. Safety	
3. Convenience	6. No other choice	
<b>Travel Time</b>		
1. Very Bad	3. So-so	5. Very Good
2. Bad	4. Good	
<b>Convenience</b>		
1. Very Bad	3. So-so	5. Very Good
2. Bad	4. Good	
<b>Safety</b>		
1. Very Bad	3. So-so	5. Very Good
2. Bad	4. Good	
<b>Overall Assessment</b>		
1. Very Bad	4. Good	
2. Bad	5. Very Good	
3. So-so		

<b>Q40 TRIP No.4</b>		
INFORMATION IS SAME AS IN DESTINATION OF TRIP No.3		
d. _____ Hours    _____ Minutes		
e. _____ Hours    _____ Minutes		
f. _____ No.    _____ Street (Phuong /Xa)		
_____ District    _____ City/Provinc		
e		
g. Institution		
h. Type		
i.		j. (Purpose of accompanied person, if any)
Original mode	Travel Time (min.)	<b>TRANSFER POINT</b>
		1 <sup>st</sup> transfer
Next mode	T. Time	2 <sup>nd</sup> transfer
Next mode	T. Time	3 <sup>rd</sup> transfer
Next mode	T. Time	4 <sup>th</sup> transfer
Next mode	T. Time	
<b>Expense of Travel</b> (VND)		
1. Sidewalk	2. On-Road	
3. Parking Lot	4. Inside house	
<b>Parking fee</b> _____ (VND)		
<b>Reason of mode choice</b>		
1. Travel time	4. Cost	
2. Comfort	5. Safety	
3. Convenience	6. No other choice	
<b>Travel Time</b>		
1. Very Bad	3. So-so	5. Very Good
2. Bad	4. Good	
<b>Convenience</b>		
1. Very Bad	3. So-so	5. Very Good
2. Bad	4. Good	
<b>Safety</b>		
1. Very Bad	3. So-so	5. Very Good
2. Bad	4. Good	
<b>Overall Assessment</b>		
1. Very Bad	4. Good	
2. Bad	5. Very Good	
3. So-so		

<b>Q41 TRIP No.5</b>	
INFORMATION IS SAME AS IN DESTINATION OF TRIP No.4	
d. _____ Hours    _____ Minutes	
e. _____ Hours    _____ Minutes	
No.    Street (Phuong /Xa)	
District    City/Provinc e	
f. <div style="border: 1px solid black; width: 100%; height: 20px;"></div>	
g. Institution	h. Type
i.	(Purpose of accompanied person, if any) j.
Original mode	Travel Time (min.)
<b>TRANSFER POINT</b>	
1 <sup>st</sup> transfer	
Next mode	T. Time
2 <sup>nd</sup> transfer	
Next mode	T. Time
3 <sup>rd</sup> transfer	
Next mode	T. Time
4 <sup>th</sup> transfer	
Next mode	T. Time
Expense of Travel (VND)	
1. Sidewalk	2. On-Road
3. Parking Lot	4. Inside house
Parking fee _____ (VND)	
<b>Reason of mode choice</b>	
1. Travel time	4. Cost
2. Comfort	5. Safety
3. Convenience	6. No other choice
<b>Travel Time</b>	
1. Very Bad	3. So-so
2. Bad	4. Good
5. Very Good	
<b>Convenience</b>	
1. Very Bad	3. So-so
2. Bad	4. Good
5. Very Good	
<b>Safety</b>	
1. Very Bad	3. So-so
2. Bad	4. Good
5. Very Good	
<b>Overall Assessment</b>	
1. Very Bad	4. Good
2. Bad	5. Very Good
3. So-so	

<b>Q42 TRIP No.6</b>	
INFORMATION IS SAME AS IN DESTINATION OF TRIP No.5	
d. _____ Hours    _____ Minutes	
e. _____ Hours    _____ Minutes	
No.    Street (Phuong /Xa)	
District    City/Provinc e	
f. <div style="border: 1px solid black; width: 100%; height: 20px;"></div>	
g. Institution	h. Type
i.	(Purpose of accompanied person, if any) j.
Original mode	Travel Time (min.)
<b>TRANSFER POINT</b>	
1 <sup>st</sup> transfer	
Next mode	T. Time
2 <sup>nd</sup> transfer	
Next mode	T. Time
3 <sup>rd</sup> transfer	
Next mode	T. Time
4 <sup>th</sup> transfer	
Next mode	T. Time
Expense of Travel (VND)	
1. Sidewalk	2. On-Road
3. Parking Lot	4. Inside house
Parking fee _____ (VND)	
<b>Reason of mode choice</b>	
1. Travel time	4. Cost
2. Comfort	5. Safety
3. Convenience	6. No other choice
<b>Travel Time</b>	
1. Very Bad	3. So-so
2. Bad	4. Good
5. Very Good	
<b>Convenience</b>	
1. Very Bad	3. So-so
2. Bad	4. Good
5. Very Good	
<b>Safety</b>	
1. Very Bad	3. So-so
2. Bad	4. Good
5. Very Good	
<b>Overall Assessment</b>	
1. Very Bad	4. Good
2. Bad	5. Very Good
3. So-so	

<b>Q43 TRIP No.7</b>	
INFORMATION IS SAME AS IN DESTINATION OF TRIP No.6	
d. _____ Hours    _____ Minutes	
e. _____ Hours    _____ Minutes	
No.    Street (Phuong /Xa)	
District    City/Provinc e	
f. <div style="border: 1px solid black; width: 100%; height: 20px;"></div>	
g. Institution	h. Type
i.	(Purpose of accompanied person, if any) j.
Original mode	Travel Time (min.)
<b>TRANSFER POINT</b>	
1 <sup>st</sup> transfer	
Next mode	T. Time
2 <sup>nd</sup> transfer	
Next mode	T. Time
3 <sup>rd</sup> transfer	
Next mode	T. Time
4 <sup>th</sup> transfer	
Next mode	T. Time
Expense of Travel (VND)	
1. Sidewalk	2. On-Road
3. Parking Lot	4. Inside house
Parking fee _____ (VND)	
<b>Reason of mode choice</b>	
1. Travel time	4. Cost
2. Comfort	5. Safety
3. Convenience	6. No other choice
<b>Travel Time</b>	
1. Very Bad	3. So-so
2. Bad	4. Good
5. Very Good	
<b>Convenience</b>	
1. Very Bad	3. So-so
2. Bad	4. Good
5. Very Good	
<b>Safety</b>	
1. Very Bad	3. So-so
2. Bad	4. Good
5. Very Good	
<b>Overall Assessment</b>	
1. Very Bad	4. Good
2. Bad	5. Very Good
3. So-so	

**Form 4. People's Opinion on Transportation Environment**

S/N (Q3b)

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INSTRUCTION: *to be completed by all members of the HOUSEHOLD over 15*

Member Code		
Q44 <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>		

**Traffic Congestion**

**Q45 What can you say about traffic congestion in Da Nang City?**

1. Very bad	2. Bad	3. So-so	4. Good	5. Very good
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Q45 

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**Q46 If you answered 1 or 2 to Q45, state the causes of traffic congestion.**

(Choose 2)

1. Increase in car traffic	6. Inadequate public transportation
2. Increase in motorcycle traffic	7. Lack of traffic management and enforcement
3. Lack of traffic lights	8. Increase in truck traffic
4. Lack of roads	9. Other (specify: _____)
5. Undisciplined driving behavior	

Q46-1 

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 2 

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**Q47 What you say about the present traffic situation compared to 5 years ago?**

	Much worse	Worse	Same	Better	Much better
1. Congestion	1	2	3	4	5
2. Safety	1	2	3	4	5
3. Convenience	1	2	3	4	5

Q47-1 

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 Q47-2 

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 Q47-3 

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**Traffic Safety**

**Q48 Have you been involved in traffic accidents in the past 5 years?**

1. Fatal injury	1. no	2. once	3. more than once
2. Serious injury	1. no	2. once	3. more than once
3. Light injury	1. no	2. once	3. more than once

Q48-1 

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 Q48-2 

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 Q48-3 

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**Q49 What can you say about traffic safety in Da Nang City?**

	Very Dangerous	Dangerous	So-so	Safe	Very safe
1. When using motorcycles	1	2	3	4	5
2. When using bicycles	1	2	3	4	5
3. When walking in the community	1	2	3	4	5
4. When walking in the city center	1	2	3	4	5
5. When crossing the roads	1	2	3	4	5

Q49-1 

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 Q49-2 

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 Q49-3 

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 Q49-4 

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 Q49-5 

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**Q50 What can you say about the driving manner of motorcycle drivers in Da Nang City?**

1. Very bad	2. Bad	3. So-so	4. Good	5. Very good
-------------	--------	----------	---------	--------------

Q50 

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**Q51 What causes poor traffic safety levels? (Choose 2)**

1. People's driving manner	6. Poor road conditions
2. Increased motorcycle traffic	7. Lack of facilities for traffic safety
3. Increased car traffic	8. Lack of education
4. Lack of traffic lights	9. Increased truck traffic
5. Inefficient traffic enforcement	

Q51-1 

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 2 

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**Q52 What will improve traffic safety in Da Nang City? (Choose 2)**

01. Enhancement of people's awareness	06. More traffic lights
02. Improvement of roads	07. More safety facilities for pedestrians
03. Traffic safety education / campaign	08. Stricter enforcement of traffic rules/increase of fines
04. Control of motorcycle use	09. Segregation of truck traffic
05. Control of car use	10. Other (specify: _____)

Q52-1 

--

 2 

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**Public Transportation**

**Q53 How often do you use bus services?**

- |                    |                |          |
|--------------------|----------------|----------|
| 1. 4–5 days a week | 3. Once a week | 5. Never |
| 2. 2–3 days a week | 4. Rarely      |          |

Q53

**Q54 If you answered 4 or 5 to Q53, state your reasons. (Choose 3)**

- |                                 |                          |                                   |
|---------------------------------|--------------------------|-----------------------------------|
| 1. Far from bus stops           | 3. Not punctual schedule | 5. Too high fare                  |
| 2. No available bus route       | 4. Uncomfortable ride    | 6. Low frequency of bus operation |
| 7. Other (Please specify):----- |                          |                                   |

Q54-1

Q54-2

Q54-3

**Q55 Please assess bus services in Da Nang City on the following aspects:**

	Very Bad	Bad	So-so	Good	Very Good	
01. Route network	1	2	3	4	5	Q55-1 <input type="text"/>
02. Operating hours	1	2	3	4	5	Q55-2 <input type="text"/>
03. Frequency	1	2	3	4	5	Q55-3 <input type="text"/>
04. Bus speeds	1	2	3	4	5	Q55-4 <input type="text"/>
05. Bus fares	1	2	3	4	5	Q55-5 <input type="text"/>
06. Accessibility to bus stops	1	2	3	4	5	Q55-6 <input type="text"/>
07. On-board comfort	1	2	3	4	5	Q55-7 <input type="text"/>
08. On-board security	1	2	3	4	5	Q55-8 <input type="text"/>
09. Driver/conductor's attitude	1	2	3	4	5	Q55-9 <input type="text"/>
10. Waiting conditions (bus stop)	1	2	3	4	5	Q55-10 <input type="text"/>
11. Convenience of transfer	1	2	3	4	5	Q55-11 <input type="text"/>
12. Don't know anything about bus services	1. Don't know			2. Know something		Q55-12 <input type="text"/>

**Q56 From the list above (Q55), select the 3 most important aspects to improve bus services.**

Q56-1   2   3

(Do not ask if respondents don't know about bus services.)

**Q57a Should public transportation services improve and expand in the future?**

- |        |       |               |
|--------|-------|---------------|
| 1. Yes | 2. No | 3. Don't know |
|--------|-------|---------------|

Q57

**Q57b If yes, what types of public transportation services should be developed? (Choose 2)**

Q58-1  2

- |         |              |                        |
|---------|--------------|------------------------|
| 1. Taxi | 3. Rapid bus | 5. Underground railway |
| 2. Bus  | 4. Tramway   | 6. Elevated railway    |

**Q58a When you travel to other provinces in Vietnam what transportation do you use?**

Destination	Have you travelled to		Transportation mode					
	1. Yes	2. No	3. Car	4. Bus	5. Rail	6. Air	7. Ship	8. Other
Study area	a. TT Hue							
	b. Quang Nam							
	c. Quang Ngai							
	d. Binh Dinh							
e. HCMC								
f. Hanoi								
g. Other provinces								

**Q58b If you answered yes to Q58a, assess the transportation mode you used. (Use the number corresponding to your answer in the columns.)**

Destination	Transportation mode					
	Car	Bus	Rail	Air	Ship	Other
Study area	a. TT Hue					
	b. Quang Nam					
	c. Quang Ngai					
	d. Binh Dinh					
e. HCMC						
f. Hanoi						
g. Other provinces						

1. Good 2. So-so 3. Bad

**Q59 When the high-speed railway and expressway are developed and the existing railway in the north-south corridor through Da Nang is improved, which mode will you use?**

**Q59a Da Nang to HCMC** (Check the cells corresponding to your answers.)

	(1) HSR	(2) Air	(3) Express rail	(5) Express way car	(6) Express way Bus	(4) Rail	(7) Car	(8) Bus
Travel time	3.0 hrs	3.0 hrs	8 hrs	10 hrs	10 hrs	16 hrs	16 hrs	16 hrs
Fare or toll fee (VND)	800T	1.0 M	500T	+400T	400T	350T	no toll	250T
	800T	1.0 M	700T	+400T	400T	350T	no toll	250T
	1.0M	1.0 M	500T	+400T	400T	350T	no toll	250T
	1.0M	1.0 M	700T	+400T	400T	350T	no toll	250T
	1.3M	1.0 M	500T	+400T	400T	350T	no toll	250T
	1.3M	1.0 M	700T	+400T	400T	350T	no toll	250T

Q59a-01

Q59a-02

Q59a-03

Q59a-04

Q59a-05

Q59a-06

**Q59b Da Nang to Nha Trang** (Check the cells corresponding to your answers.)

	(1) HSR	(2) Air	(3) Express rail	(5) Express way car	(6) Express way Bus	(4) Rail	(7) Car	(8) Bus
Travel time	2.0 hrs	2.0 hrs	4 hrs	5 hrs	5 hrs	8 hrs	8 hrs	8 hrs
Fare or toll fee (VND)	450T	600T	250T	+200T	200T	175T	no toll	125T
	450T	600T	350T	+200T	200T	175T	no toll	125T
	600T	600T	250T	+200T	200T	175T	no toll	125T
	600T	600T	350T	+200T	200T	175T	no toll	125T
	750T	600T	250T	+200T	200T	175T	no toll	125T
	750T	600T	350T	+200T	200T	175T	no toll	125T

Q59b-01

Q59b-02

Q59b-03

Q59b-04

Q59b-05

Q59b-06

**Transportation Measures**

**Q60 Do you support the following transportation measures which are now being implemented?**

	Strongly support	Support	Not sure	Not support
01. Construct / improve roads	1	2	3	4
02. Strictly control traffic	1	2	3	4
03. Restrict motorcycle registration	1	2	3	4
04. Install traffic signals	1	2	3	4
05. Strictly control parking	1	2	3	4
06. Improve walking conditions	1	2	3	4
07. Introduce bus lanes	1	2	3	4
08. Expand bus services	1	2	3	4
09. Restrict entry of truck traffic into city center	1	2	3	4
10. Strictly enforce law on helmet use	1	2	3	4

Q60-01

Q60-02

Q60-03

Q60-04

Q60-05

Q60-06

Q60-07

Q60-08

Q60-09

Q60-10

**Q61 Do you agree on these improvement measures for future implementation?**

	Agree	Disagree	Not sure	Not support
11. Restrict motorcycle use on certain road/s	1	2	3	4
12. Restrict car use in certain areas	1	2	3	4
13. Increase user charges for cars (registration, license, fuel tax, parking fees)	1	2	3	4
14. Increase user charges for motorcycles (registration, license, fuel tax, parking fees)	1	2	3	4
15. Construct exclusive bus lanes /busways	1	2	3	4
16. Construct urban railway (elevated/ underground)	1	2	3	4
17. Construct tram (at-grade)	1	2	3	4
18. Control air pollution	1	2	3	4
19. Promote people's understanding of transportation problems and measures	1	2	3	4
20. Other (specify: _____)	1	2	3	4

Q61-11

Q61-12

Q61-13

Q61-14

Q61-15

Q61-16

Q61-17

Q61-18

Q61-19

Q61-20

**Q62 Select the 3 most important measures from the list above (Q60 and Q61).**

Q62-1   2   3

**Form 5. People's Satisfaction with & Perception on Living Conditions**

INSTRUCTION: *to be completed by a representative of the HOUSEHOLD*

**Housing Conditions**

**Q63 Are you satisfied with your present housing conditions?** Q63

**Q64 If you answered 1 or 2 to Q63, please give your reasons. (Choose 2)** Q64

**Q65 Please select the most important factor you will consider in choosing your future house. (Choose from Q64)** Q65

**Q66 How many square meters do you need as living space for your family?** Q66

**Q67a Up to how much can you pay to buy a house? (In million VND)** Q67a VND   ,

**Q67b Did you borrow money to purchase your current residential property?** Q67b   
 1. Yes 2. No

**Q67c If you answered 1 to Q67b, state from whom you borrowed.** Q67c-1   
 1. Bank or financial institution Q67c-2   
 2. Relatives or friends Q67c-3   
 3. Private money lender(s) Q67c-4   
 4. Credit association (eg Women's Union, etc.) Q67c-5   
 5. Resettlement PMUs Q67c-6   
 6. Other (specify: \_\_\_\_\_)

**Q67d If you answered 1 to Q67b, is your property being used as collateral for the loan?** Q67d   
 1. Yes 2. No 3. Don't know

**Q67e If you answered 1 to Q67b, how much money did you borrow initially? (Give in the nearest million VND)** Q67e VND   ,

**Q67f If housing loans were available, would you borrow to buy a new house?**  
 1. Yes 2. No 3. Don't know

**Q67g If you answered 1 to Q67f, from whom would you consider borrowing funds?** Q67g-1   
 1. Bank or financial institution Q67g-2   
 2. Relatives or friends Q67g-3   
 3. Private money lender Q67g-4   
 4. Credit association (Women's Union, etc.) Q67g-5   
 5. Resettlement PMUs Q67g-6   
 6. Other (specify: \_\_\_\_\_)

**Q67h If you answered 1 to Q67f, state the loan repayment plan you would prefer.**

1. Pay 50% of total amount and pay the rest for 10 years
2. Pay 50% of total amount and pay the rest for 20 years
3. Pay 25% of total amount and pay the rest for 10 years
4. Pay 25% of total amount and pay the rest for 20 years
5. Borrow 100% and repay for 10 years
6. Borrow 100% and repay for 20 years
7. Other (specify: \_\_\_\_\_)

Q67h-1

Q67h-2

Q67h-3

Q67h-4

Q67h-5

Q67h-6

Q67h-7

**Q67i If you answered 1 to Q67f, state how much you would borrow in million VND.**

Q67i VND    ,

**Q67j If you answered 1 to Q67f, state how much your household could afford to repay each month (1,000/VND)**

Q67j VND    ,

**Q68 Choose the housing type and location you want to live in the future.**

**a. Housing Type**

- |                        |   |
|------------------------|---|
| 1. Traditional house   | 3. Medium-rise apartment (4–5 stories)      |
| 2. High-rise apartment | 4. Detached house 5. Other (specify: _____) |

Q68-a

**b. Location**

01. Urban center	02. Thanh Khe	03. Hai Chau	04. Son Tra
05. Other districts	06. Ngu Hanh Son	07. Cam Le	08. Lien Chieu
09. Hoa Vang			

Q68-b

**c. Please state primary reason for choosing this location.**

- |                                 |                                    |
|---------------------------------|------------------------------------|
| 01. Near workplaces             | 05. Good living environment        |
| 02. Near schools                | 06. Land prices likely to increase |
| 03. Near family                 | 07. Cheap                          |
| 04. Safe from natural disasters | 08. Other (specify: _____)         |

Q68-c

**Parks / Green Spaces**

**Q69 Is there a park or green space in your neighborhood?**

- |   |       |
|---|-------|
| 1. Yes, within walking distance.                    | 3. No |
| 2. Yes, within an area which can easily be reached. |       |

Q69

**Q70 Do you think it is important to have a good access to parks and green spaces?**

- |                   |        |       |               |             |
|-------------------|--------|-------|---------------|-------------|
| 1. Yes, very much | 2. Yes | 3. No | 4. Not at all | 5. Not sure |
|-------------------|--------|-------|---------------|-------------|

Q70

**Q71 If you answered 1 or 2 to Q69 and Q70, state your activities at the parks and green spaces?**

Activities	How often do you visit?			
	Daily	2-3 times /week	Once a week	Rarely/ never
1. Rest	1	2	3	4
2. Exercise	1	2	3	4
3. Walk	1	2	3	4
4. Play with children	1	2	3	4
5. Gather	1	2	3	4
6. See performance	1	2	3	4

Q71-1

Q71-2

Q71-3

Q71-4

Q71-5

Q71-6

**Q72 Are you satisfied with the parks in Da Nang in general?**

- |                      |                 |          |              |                   |
|----------------------|-----------------|----------|--------------|-------------------|
| 1. Very dissatisfied | 2. Dissatisfied | 3. So-so | 4. Satisfied | 5. Very satisfied |
|----------------------|-----------------|----------|--------------|-------------------|

Q72

**Q73 If you answered 1 or 2 to Q72, state your reasons. (Choose 2)**

- |                        |                  |                  |
|------------------------|------------------|------------------|
| 1. Facilities          | 5. Air pollution | 9. Safety        |
| 2. Space (size)        | 6. Noise         | 10. Other        |
| 3. Location            | 7. Layout        | (specify: _____) |
| 4. Environment (green) | 8. Landscape     |                  |

Q73-1  2

**Q74 What functions should Da Nang parks /garden spaces provide?**

(Choose 2)

1. Exercise/sports area	4. Walking area	7. Shelter against disaster
2. Rest area	5. Play area for children	8. Other (specify: _____)
3. Gathering area	6. Greenery (trees, plants, flowers)	

Q74-1  2.

**Q75 What facilities should Da Nang parks /garden spaces provide?**

(Choose 2)

1. Benches	4. Kiosks (vendors)	7. Bulletin boards for public information
2. Footpaths	5. Lighting	8. Playground for children
3. Public Toilets	6. Space for gathering	9. Other (specify : _____)

Q75-1  2.

**Q76 Do you think the following items affect the landscape in Da Nang City?**

	Yes seriously	Yes	A little	No	Don't care
1. Electric wires	1	2	3	4	5
2. Parking on sidewalks	1	2	3	4	5
3. Advertisement in urban areas	1	2	3	4	5
4. Advertisement in suburban areas	1	2	3	4	5
5. Design of buildings	1	2	3	4	5
6. Overscale buildings	1	2	3	4	5

Q 76-1   
 Q 76-2   
 Q 76-3   
 Q 76-4   
 Q 76-5   
 Q 76-6

**Access to Water**

**Q77 Is your household connected to piped water?**

1. Yes	2. No
--------	-------

Q77

**Q78 If you answered 2 to Q77, state your main sources of water.**

1. Public well	2. Private well	3. Stand pipe	4. Surface water
5. Rain water	6. Others		

Q78

**Q79 If you answered 2 to Q77, state your problems. (Choose all if applicable)**

1. Distance to water	2. Water quality	3. Water quantity	4. Other (specify: _____)
----------------------	------------------	-------------------	---------------------------

Q79-1  2.  3.  4.

**Q80 If you answered 1 to Q77, state your satisfaction with current water supply services.**

	Highly dissatisfied	Dissatisfied	So-so	Satisfied	Highly Satisfied
1. Water pressure	1	2	3	4	5
2. Hours of supply	1	2	3	4	5
3. Water quantity	1	2	3	4	5
4. Water quality	1	2	3	4	5
5. Price	1	2	3	4	5

Q80-1   
 Q80-2   
 Q80-3   
 Q80-4   
 Q80-5

**Q81 Please select the most important aspect in Q80.**

Q81

**Q82 If you were provided with good water supply services, up to how much could you pay per month?**

Q82

1. less than 10,000 VND	3. 31,000—50,000 VND	5. 100,000—150,000 VND
2. 10,000—30,000 VND	4. 51,000—100,000 VND	6. more than 150,000 VND

**Access to Sanitation**

**Q83 Toilet Facility**

1. Flushing toilet
2. suilabh toilet
3. simple toilet
4. shared toilet
5. no toilet

Q83

**Q84 Sanitation Treatment**

1. Connected to urban sewerage system
2. On-site sanitation facility (eg septic tank) and collected by public service company
3. no sanitation treatment

Q84



**Q85 Please assess the sanitary conditions in and around your house.**

Q85

1. Very bad      2. Bad      3. so-so      4. Good      5. Very good

**Q86 Please assess following aspects of sanitation in and around your area.**

	Always	Sometimes	Never
1. Offensive odor (bad smell)	1	2	3
2. Clogged pipe	1	2	3
3. Overflowing wastewater	1	2	3

Q86-1

Q86-2

Q86-3

**Q87 If sanitary conditions in your house are improved, up to how much can you pay per month?**

Q87

1. less than 10,000 VND      3. 30,000–50,000 VND      5. 100,000–150,000 VND  
2. 10,000–30,000 VND      4. 50,000–100,000 VND      6. more than 150,000 VND

**Q88 Do you think providing more public toilets in urban areas is necessary?**

Q88

1. Yes      2. No

**Q89 If yes, where should these be located and up to how much can you pay for using them?**

Q89-1  2

1. Location	1. parks	2. lakeside	3. beaches	4. riverside	5. Ly Thai To
	6. Le Duan	7. Phan Chu Trinh	8. markets	9. Other major roads	
	10. Other (specify: _____)				
2. Fee (VND)	1. less than 1,000	2. 1,000–2,000	3. over 2,000	4. free	

**Drainage**

**Q90 How do you find the drainage conditions in your neighborhood?**

Q90

1. Very bad      2. Bad      3. So-so      4. Good      5. Very good

**Q91 How often is your neighborhood flooded up to the ankles?**

Q91

1. All the time, even not in heavy rain.      3. Sometimes when it rains heavily.  
2. Always when it rains heavily.      4. Rarely  
5. Never

**Q92 When your area is flooded, how deep is the water level and how long does it last?**

	Normal flooding	The most serious flooding in the past 3 years	The most serious flooding in the past
Water level 1. up to ankles 2. up to knees 3. up to waist 4. higher than waist	Q92-1 <input type="checkbox"/>	Q92-2 <input type="checkbox"/>	Q92-3 <input type="checkbox"/>
Duration of flood 1. less than half a day 2. half day to 1 day 3. 1–3 days 4. 3–5 days 5. more than 6 days	Q92-4 <input type="checkbox"/>	Q92-5 <input type="checkbox"/>	Q92-6 <input type="checkbox"/>

**Solid Waste Collection**

**Q93 Are you provided with solid waste collection services?**

Q93

1. Yes      2. No

**Q94 If you answered 1 to Q93, state who provides the service how often and how much.**

	Frequency				Q94-1	Q94-2	Q94-3	Q94-4	Q94-5	Q94-6	Fee (000 VND/month/HH)		
	Never	Daily	2-4 days a week	Once a week									
1. Public	1	2	3	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Private	1	2	3	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Community	1	2	3	4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Q95a Do you separate organic waste and other waste?**

1. Yes                      2. No

Q95a

**Q95b How do you usually store and package your waste for removal?**

Q95b-1

**Q95b-1 Your organic waste** (Select one)

1. Waste basket/container
2. Waste basket with plastic bag
3. Plastic bag only
4. In different bags/ baskets
5. Other (specify: \_\_\_\_\_)

**Q95b-2 Other waste** (Select one)

1. Waste basket/container
2. Waste basket with plastic bag
3. Only plastic bag only
4. In different bags/ baskets
5. Other (specify: \_\_\_\_\_)

Q95b-2

**Q95c How often do you dispose of your waste?** (Check the cells in the table below to indicate days and times.)

**Q95c-1 Your organic waste**

**Q95c-2 Other waste**

Sun	Mon	Tue	Wed	Thu	Fri	Sat	Time	Sun	Mon	Tue	Wed	Thu	Fri	Sat
							Before 6							
							6-9							
							9-12							
							12-15							
							15-18							
							18-21							
							After 21							

**Q95d How much of your waste do you dispose of in the following ways?**

	All	Most	Some	Little	None		
1. Give directly to garbage trucks or waste collectors	1	2	3	4	5	Q95d-1	<input type="checkbox"/>
2. Leave at designated places for collection	1	2	3	4	5	Q95d-2	<input type="checkbox"/>
3. Leave in the street (not in place designated for collection)	1	2	3	4	5	Q95d-3	<input type="checkbox"/>
4. Burn	1	2	3	4	5	Q95d-4	<input type="checkbox"/>
5. Other (specify: _____)	1	2	3	4	5	Q95d-5	<input type="checkbox"/>

**Q95e-1 Do you separate any of your household waste?**

1. Yes                      2. No

Q95e-1

**Q95e-2 If you answered 'yes' to Q95e-1, do you sell or give away some of the waste that you separate?**

1. Yes                      2. No

Q95e-2

**Q95f-g If you answered 1 to Q95e-2, what do you do with your separated waste?**

Waste stream	Q95f Sell or give away?	Q95g To whom?
1. Plastic		
2. Can, metal		
3. Glass		
4. Paper/cardboard		
5. Electronic waste		
6. Other (specify: _____)		

<p><b>Q95f</b></p> <ol style="list-style-type: none"> <li>1. Sell</li> <li>2. Give away</li> <li>3. Don't separate this.</li> </ol>	<p><b>Q95g</b></p> <ol style="list-style-type: none"> <li>1. Household/individual who recycles</li> <li>2. Recycling company</li> <li>3. Garbage collector who sells to a company for recycling</li> <li>4. Other (specify: _____)</li> </ol>
---	---

**Q95h How much if anything do you earn per month from selling your waste?**

Q95h VND  ,  ,000

**Q96 If you answered 1 to Q93, state your satisfaction with current services.**

	Highly dissatisfied	Dissatisfied	So-so	Satisfied	Highly satisfied
1. Frequency of collection	1	2	3	4	5
2. Method of collection	1	2	3	4	5
3. Fee	1	2	3	4	5
4. Cleanliness of dump site	1	2	3	4	5

Q96-1   
 Q95-2   
 Q95-3   
 Q95-4

**Q97 (for those who do NOT have services), how do you dispose of your solid waste?** Q97

- |  |                               |
|--|-------------------------------|
| 1. Treated in own land                 | 2. Throw to nearby dump sites |
| 3. Throw into nearby drainage or river | 4. Dispose of on others' land |

**Q98 Up to how much will you pay per month for improved solid waste collection services?** Q98

- |                         |                       |                          |
|-------------------------|-----------------------|--------------------------|
| 1. less than 10,000 VND | 3. 31,000–50,000 VND  | 5. 100,000–150,000 VND   |
| 2. 10,000–30,000 VND    | 4. 51,000–100,000 VND | 6. more than 150,000 VND |

**Daily Life / Living Environment**

**Q99 Information on spending holidays outside Da Nang City**

**a. Did you go outside Da Nang for a holiday in the last year?**

- |                           |
|---------------------------|
| 1. No                     |
| 2. Yes, once              |
| 3. Yes, 2–3 times         |
| 4. Yes, more than 3 times |

Q99-a

**Where did you go? Give the names of 4 provinces or countries you visited.**

- |                                |                                |
|--------------------------------|--------------------------------|
| <b>b.</b> <input type="text"/> | <b>d.</b> <input type="text"/> |
| <b>c.</b> <input type="text"/> | <b>e.</b> <input type="text"/> |

Q99-b   
 -c   
 -d   
 -e

**Q100 How do you use your free time? (Choose 2)**

- |                           |                                |                         |
|---------------------------|--------------------------------|-------------------------|
| 01. Stay at home          | 07. Visit historical places    | 13. Go to the mountains |
| 02. Drive around the city | 08. Enjoy specialty food/drink | 14. Go to Han river     |
| 03. Study                 | 09. Play sports                | 15. Visit relatives     |
| 04. Shop                  | 10. Visit friends              | 16. Other               |
| 05. Go camping            | 11. Go to the beach            | (specify: _____)        |
| 06. Watch movies          | 12. Go to the islands          |                         |

Q100-1   
 -2

**Q101a How do you find the following aspects in your neighborhood?**

		Highly dissatisfied	Dissatisfied	So-so	Satisfied	Highly satisfied	Don't know
Living Environment	01. Safety/ security	1	2	3	4	5	6
	02. Flood	1	2	3	4	5	6
	03. Housing	1	2	3	4	5	6
	04. Air quality	1	2	3	4	5	6
	05. Tranquility	1	2	3	4	5	6
	06. Sanitary condition	1	2	3	4	5	6
	07. Landscape	1	2	3	4	5	6
	08. Greenery	1	2	3	4	5	6
an Ser	09. Power supply	1	2	3	4	5	6

Q101a-1   
 Q101a-2   
 Q101a-3   
 Q101a-4   
 Q101a-5   
 Q101a-6   
 Q101a-7   
 Q101a-8   
 Q101a-9

	10. Water supply	1	2	3	4	5	6	Q101a-10	
	11. Gas supply	1	2	3	4	5	6	Q101a-11	
	12. Telecom	1	2	3	4	5	6	Q101a-12	
	13. Solid waste collection	1	2	3	4	5	6	Q101a-13	
Access to Services	14. To market (daily supply)	1	2	3	4	5	6	Q101a-14	
	15. To health care centers	1	2	3	4	5	6	Q101a-15	
	16. To public transportation	1	2	3	4	5	6	Q101a-16	
	17. To primary school	1	2	3	4	5	6	Q101a-17	
	18. To parks/ green spaces	1	2	3	4	5	6	Q101a-18	
	19. To entertainment facilities	1	2	3	4	5	6	Q101a-19	
	20. To public administrative office	1	2	3	4	5	6	Q101a-20	

**Q101b What area among the following should be improved in terms of service quality?**

(Choose 3)

01. Health	06. Disaster prevention	Q101b-1	<input type="checkbox"/>
02. Social insurance	07. Pollution control	Q101b-2	<input type="checkbox"/>
03. Employer-job seeker matching	08. Tax collection	Q101b-3	<input type="checkbox"/>
04. Administrative procedures	09. Other (specify: _____)		
05. Education			

**Q102 From the list in Q101a, select the top 5 aspects you think should be improved.**

Q102-1  2  3  4  5

**Q103a How do you rate the pollution level in your area?**

1. Very bad 2. Bad 3. So-so 4. Low 5. Very low Q103a

**Q103b If you answered 1, 2 or 3 to Q103a, state the kind of pollution in your area.**

1. Water Q103b1

2. Air Q103b2

3. Land (solid waste, leaching effluent/chemicals) Q103b3

**Q103c If you answered 1, 2 or 3 to Q103a, state the main sources of pollution in your area**

(Choose up to 3 in decreasing order of significance)

1. Industrial zone	6. Hospital	Q103c1	<input type="checkbox"/>
2. Large factories outside IZ	7. Traffic	Q103c2	<input type="checkbox"/>
3. Household craft enterprises	8. Chemical residue	Q103c3	<input type="checkbox"/>
4. Residential households/commercial enterprises/offices	9. Construction		
5. Agriculture, fisheries or forestry	10. Waste disposal sites (municipal and private)		

**Q103d If you answered 1, 2 or 3 to Q103a, state the impacts of pollution in your area.**

1. Poor health Q103d1

2. Less/no income Q103d2

3. Lost/reduced assets Q103d3

4. Other (specify: \_\_\_\_\_) Q103d4

**Tourism Priorities**

**Q104a Is the promotion of tourism in Da Nang important?**

Q104a

1. Yes, very important 2. Yes, important 3. So-so 4. Not so important 5. Not important at all

**Q104b If you answered 1 or 2 to Q104a, state what kinds of tourism/tourism activities should be promoted. (Choose 3)**

1. Domestic tourism
2. Foreign tourism
3. Cultural/historical tourism
4. Beach resort (mass) tourism
5. Marine sports (sailing, diving, sport fishing, etc)
6. Ecotourism (mountains, etc.)
7. Craft village tours
8. Conventions/exhibitions/conferences
9. Entertainment (casinos, theater, etc)
10. Other (specify: \_\_\_\_\_)

Q104b-1   
 Q104b-2   
 Q104b-3

**Q104c If you answered 1 or 2 to Q104a, state your reason why tourism should be promoted. (Choose 1)**

1. To increase employment opportunities
2. To increase income/demand for goods from visitors
3. To meet foreign people/people from other regions
4. Other (specify: \_\_\_\_\_)

Q104c

**Q104d If you answered 3 or 4 to Q104a, state reasons why tourism should not be promoted. (Choose 2)**

1. Leads to higher prices for locals
2. Leads to resettlement of locals
3. Industrial development should be more of a priority
4. Leads to greater pressure on services (electricity, water, waste disposal)
5. Leads to environmental degradation
6. Other (specify: \_\_\_\_\_)

Q104d-1   
 Q104d-2

**Vulnerability to Disasters**

**Q105 Have you suffered any damage due to natural disasters over the last 5 years? Please give details.**

Type of disaster	Q105a Property damage	Human cost	
		Q105b Injury	Q105c Mortality/ies (number)
1. Typhoon (wind damage)			
2. Typhoon (storm surge)			
3. Flood (gradual inundation)			
4. Flood (flash flood)			
5. Landslide			
6. Saline intrusion			
7. Fire			
8. Earthquake			
9. Other (specify: _____)			
<b>Q105a and Q105b</b> 1. Very serious 2. Serious 3. Slight 4. None 5. Don't know			

**Security/Safety**

**Q106a How do you assess the current security situation in Da Nang and your community?**

	Very bad	Bad	So-so	Good	Very good
1. In the city in general	1	2	3	4	5
2. In your community during the day	1	2	3	4	5
3. In your community at night	1	2	3	4	5

Q106a-1

Q106a-2

Q106a-3

**Q106b How did the security situation in Da Nang and your community change compared to 5 years ago?**

	Worsened	So-so	Improved
1. In the city in general	1	2	3
2. In your community during the day	1	2	3
3. In your community at night	1	2	3

Q106b-1

Q106b-2

Q106b-3

**Landscape**

**Q107a Please assess the current landscape in Da Nang City.**

Area	Very poor	Poor	So-so	Good	Very good
01. In the city in general	1	2	3	4	5
02. Parking lots in front of theater	1	2	3	4	5
03. West bank of Han river (Bach Dang Street)	1	2	3	4	5
04. East bank of Han river (Tran Hung Dao Street)	1	2	3	4	5
05. Ly Thai To (park and shopping center)	1	2	3	4	5
06. Le Duan	1	2	3	4	5
07. Han Market	1	2	3	4	5
08. Phan Chu Trinh	1	2	3	4	5
09. Ngyen Tat Thanh	1	2	3	4	5
10. Tran Phu	1	2	3	4	5
11. Ngyen Van Thoai (My Khe)	1	2	3	4	5
12. Dien Bien Phu	1	2	3	4	5

Q107a -1

Q107a-2

Q107a-3

Q107a-4

Q107a-5

Q107a-6

Q107a-7

Q107a-8

Q107a-9

Q107a-10

Q107a-11

Q107a-12

**Q107b Which are your 3 most and least favorite areas/landmarks in the city?**

Area/Landmark
01. Son Tra peninsula
02. My Khe beach
03. Non Nuoc beach
04. Xuan Thieu beach
05. Ba Na
06. Hai Van
07. Tuy Loan Village
08. Indochina riverside tower
09. Big C (Vinh Trung Plaza)
10. Han river bridge

**Favorite**

Q107b -1

Q107b-2

Q107b-3

**Least favorite**

Q107b-4

Q107b-5

Q107b-6

- 11. Chi Lang Stadium
- 12. People's Committee Building
- 13. Hoang Anh Gai Lai Plaza
- 14. Sofitech office tower (Quang Trung)
- 15. Metro
- 16. 29 April Park
- 17. Furama resort
- 18. Trung Vuong Theater

**Vision for Da Nang City**

**Q108a What do you think should be the urban development priorities for Danang?**

		Very low	Low	So-so	High	Very high	Don't know	
Living Environment and services	01. Improve safety/security	1	2	3	4	5	6	Q108a -1
	02. Prevent flood/natural disasters	1	2	3	4	5	6	Q108a-2
	03. Provide better housing	1	2	3	4	5	6	Q108a-3
	04. Improve sanitary conditions	1	2	3	4	5	6	Q108a-4
	05. Protect natural environment	1	2	3	4	5	6	Q108a-5
	06. Prevent pollution	1	2	3	4	5	6	Q108a-6
	07. Enhance landscape	1	2	3	4	5	6	Q108a-7
	08. Improve electricity supply	1	2	3	4	5	6	Q108a-8
	09. Improve water supply	1	2	3	4	5	6	Q108a-9
	10. Improve waste collection	1	2	3	4	5	6	Q108a-10
	11. Improve public transportation	1	2	3	4	5	6	Q108a-11
	12. Improve transportation in general	1	2	3	4	5	6	Q108a-12
Socioeconomic	13. Reduce poverty	1	2	3	4	5	6	Q108a-13
	14. Generate wealth	1	2	3	4	5	6	Q108a-14
	15. Pursue industrialization	1	2	3	4	5	6	Q108a-15
	16. Improve services sector (tourism, etc.)	1	2	3	4	5	6	Q108a-16
	17. Pursue hi-tech industry and education	1	2	3	4	5	6	Q108a-17
	18. Create employment	1	2	3	4	5	6	Q108a-18

**Q108b What are the central themes that you would like to see emphasized in Da Nang's development? (Choose 2)**

Q108b-1

Q108b-2

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| 01. Strong communities and families   | 06. Health and cleanliness            |
| 02. Social harmony and equality       | 07. Order and careful control         |
| 03. Culture, history, and the arts    | 08. Nature and natural environment    |
| 04. Fun and entertainment             | 09. International and outward looking |
| 05. Futuristic and high-tech industry | 10. Commerce and business             |
|                                       | 11. Other (specify _____)             |

**Q108c What sort of city would you like to see Da Nang become in the future? (Choose 2)**

- |   |  |
|---|--|
| <b>01.</b> Industrial and manufacturing city exporting cheap goods to the world | <b>06.</b> Gateway to the east-west Greater Mekong Subregion corridor        |
| <b>02.</b> Center for culture, arts, and tourism                                | <b>07.</b> Growth center in central VN which can compete with Hanoi and HCMC |
| <b>03.</b> Center for hi-tech industry and education                            | <b>08.</b> Environmentally rich city supported by services and tourism       |
| <b>04.</b> Center for processing natural resources from the central region      | <b>09.</b> Other (specify: _____)  |
| <b>05.</b> Modern tourist city offering outdoor activities and entertainment    |  |

Q108c-1   2

*Thank you very much for your cooperation.*



