

3. *Housing*

INTRODUCTION

The Housing part of the 2001 Strategic Forecasts for Aberdeen City and Aberdeenshire comprises two elements:

- Household change
- Housing requirement

The first of these elements derives from changes in total population in private households (through births/deaths and migration), changes to the age structure of the population, and changes to the social and economic factors that have a bearing on household formation.

A *household* is defined as being either: one person living alone, or a group of people (not necessarily related) living at the same address with common housekeeping. This is the household definition used for Census purposes.

The second element, ie the housing requirement calculation, results from the household change over the forecast period and changes within the existing housing stock that affect the availability of the stock for occupation. The term 'housing requirement' is difficult to define accurately. While the basic needs of people should be a priority, account is also taken of demand preferences.

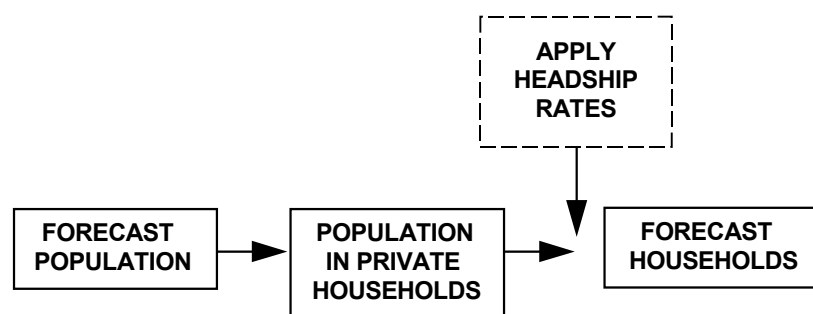
Finally, two further areas are examined. Firstly, comparisons are made between; (a) the current set of household forecasts and the set produced in 1999, and (b) the current set of forecasts and the latest set of household projections produced by the Scottish Executive. Secondly, the updated housing requirement calculations are assessed in relation to actual and forecast building rates.

HOUSEHOLD FORECASTS

Methodology

Household forecasts are compiled by applying projected headship rates to the adult household population forecasts for the period 2000 to 2016 - the process is illustrated in *Figure 3.1*. This technique is substantially the same as the method used by the Scottish Executive to produce their *1998-based Household Projections for Scotland*. The headship rates, which are disaggregated by age and household type, are based on trends in household formation observed in Censuses of Population up to 1991.

Figure 3.1 - Household Forecasts



Population

Figure 3.2 below illustrates the forecast scale of change in household population from 2000 to 2016. The household population is the total resident population less the population living in communal establishments such as student halls of residence, hospitals, nursing homes and Ministry of Defence barracks. Further details are included in the Population part of this report.

Figure 3.2 - Household Population 2000-2016

	2000	2001	2006	2011	2016	Change 2000/16
Structure Plan Area	428,700	429,400	432,220	433,510	433,910	+5,210
<i>16+ Population</i>	343,259	344,733	351,682	357,357	358,589	+15,330
Aberdeen City	204,770	204,760	204,170	202,900	201,830	-2,940
<i>16+ Population</i>	166,388	166,651	167,632	168,846	168,468	+2,080
Aberdeenshire	223,930	224,640	228,050	230,610	232,080	+8,150
<i>16+ Population</i>	176,871	178,082	184,050	188,511	190,121	+13,250

Headship Rates

The effect of changes in the size and age structure of the population on future household growth is estimated by applying headship rates to the forecast population. Headship rates express the propensity of the population to form independent households. Headship rates vary by age and location. They tend to rise as people get older, and they are higher in urban than rural areas. They are a function of cultural factors - such as the age at which people marry, whether unmarried individuals seek to form independent households, and the extent of household dissolution due to divorce or separation - all of which evolve over time. Economic conditions can also have an impact on headship rates.

An estimate of the total number of households is derived by multiplying the number of persons in a given age range by the headship rates. In the current set of forecasts this was done for ten age groups in the adult household population. Headship rates were also applied to a range of different household types.

Historic information on the number of households, disaggregated by household type and age group of head of household, is estimated from the 1971, 1981 and 1991 Censuses of Population. Headship rates are projected using two-point exponential models based on these three sources. The Scottish Executive supplied two sets of headship rates. One set was based on a projection of the 1971/1991 data and the other was based on the 1981/1991 data. (As these were only for the period up to 2012, it was necessary to project the trends shown in the headship rates forward to 2016).

The Scottish Executive applied the 1981/1991 headship rates in their 1998-based household projections and the 1971/1991 rates in previous projections. Their rationale for adopting the 1981/1991 rates was that these produced fewer anomalies when the minimum population test (see below) was applied to the results of all 32 Scottish Council areas. However, Aberdeen City was one of only two Council areas that 'failed' the test, and the anomaly in Aberdeen was ten times greater than in the other Council area (Inverclyde).

Aberdeen City Council and Aberdeenshire Council applied the 1971/1991 headship rates in their 1998-based Structure Plan Area forecasts. For the current exercise, draft household figures were produced using both the 1971/1991 and the 1981/1991 headship rates (*Appendix 1*). It was found that these produced similar household totals at 2016, although there were differences in the component parts of the Structure Plan Area. Using the 1971/1991 rates produced a slightly lower (c.1,100) household change over the 16 year forecast period for the Structure Plan Area than the 1981/1991 rates.

As it is difficult to assess the accuracy of one set of headship rates over the other, and because the rates produced a similar household total for the Structure Plan Area, it was decided to base the current household forecasts on the average of the results produced by the two sets of headship rates.

Households at 2000

The total number of households at 2000 was calculated by adopting the Scottish Executive household and dwelling estimates for mid 1999, and calculating the change that occurred between then and mid 2000. The 2000 figures, which are the basis for the household forecasts, are shown in *Figure 3.3*.

Figure 3.3 - Total Households 2000

	No. of Households
Structure Plan Area	191,600
Aberdeen City	100,600
Aberdeenshire	91,000

When the headship rates were applied to the 2000 population totals the resulting figures differed from the household totals shown in *Figure 3.3*. Therefore, adjustments were made to rebase the raw figures in line with the 2000 household estimate. Because these adjustments were made equally across all forecast years, they had no effect on the overall household change between 2000 and 2016, or between 2000 and any of the intervening years.

Household Forecasts

Forecasts of the total number of households were derived by multiplying the number of persons in a given age range and household type by the headship rates for these categories and then summing over all age groups and household types. A set of household forecasts for 2000-2016 was calculated using both the 1971/1991 and 1981/1991 headship rates and an average produced (see above).

Figure 3.4 sets down the forecast change in the number of households in the Structure Plan Area over the 16 year period to 2016.

Figure 3.4 - Household Forecasts 2000-2016

	2000	2001	2006	2011	2016	Change 2000/16
Structure Plan Area	191,600	193,380	202,150	210,880	219,480	+27,880
Aberdeen City	100,600	101,270	104,570	107,770	111,210	+10,610
Aberdeenshire	91,000	92,110	97,580	103,110	108,270	+17,270

It is predicted that there will be a growth of 27,880 households in the Structure Plan Area by 2016, with over 60% of this growth in Aberdeenshire.

Changes in Age Structure

The forecasts examine the age groups of the heads of household over the forecast period. These are set down in *Figures 3.5 and 3.6* for Aberdeen City and Aberdeenshire.

Figure 3.5 - Changes in Age Structure of Head of Household - Aberdeen City

	2000	2001	2006	2011	2016	Change 2000/16
16 - 29	15,410	15,500	17,270	19,660	22,660	+7,250
30 - 44	32,940	32,660	30,080	26,010	22,420	-10,520
45 - 59	21,980	22,570	25,330	27,430	28,470	+6,490
60+	30,270	30,540	31,890	34,670	37,660	+7,390
Total Households	100,600	101,270	104,570	107,770	111,210	+10,610

It is anticipated that the largest change over the forecast period in Aberdeen City will be in households headed by a person in the 30 to 44 year group. By 2016, it is expected that there will be a drop of almost one-third. There will be increases in the other three age categories of between 6,500 and 7,400, with the largest proportionate increase being in the 16-29 age group where the number of households headed by someone in this age group will increase by almost a half.

The greatest actual increase will be in the number of households headed by someone aged 60 or over; by 2016 this group will head 34% of all households in Aberdeen.

Figure 3.6 - Changes in Age Structure of Head of Household - Aberdeenshire

	2000	2001	2006	2011	2016	Change 2000/16
16 - 29	9,040	9,110	9,420	10,490	10,550	+1,510
30 - 44	28,210	28,010	27,010	25,400	25,260	-2,950
45 - 59	26,080	26,680	29,230	29,820	29,730	+3,650
60+	27,670	28,310	31,920	37,400	42,730	+15,060
Total Households	91,000	92,110	97,580	103,110	108,270	+17,270

In Aberdeenshire, it is expected that the number of households headed by someone aged 60 or over will increase by over 50% in the period to 2016. This is the largest change out of all the age groups. In 2000, households headed by 30 to 44 year olds accounted for over 30% of all households. By 2016, this will have fallen to just under one quarter. For households headed by someone over 60 years, in 2000 the household proportion was 30%. At 2016, this should rise to almost 40% and will be the predominant age for a head of household.

Minimum Population Test

As an added improvement to the forecasting process, the ‘minimum population test’ is a control that has been introduced to the current set of household forecasts. It involves comparing the minimum number of adults (16 years and over) in private households over the forecast period with the number and types of household being forecast. The minimum number of adults needed to form the forecast households is obtained as follows:

- 1 x number of **single** person households
- 1 x number of households with **one** adult and one child
- 1 x number of households with **one** adult and two or more children
- 2 x number of households with **two** or more adults and one or more children
- 2 x number of households with **two** adults, no children
- 3 x number of households with **three** or more adults, no children

The minimum number of adults produced by this calculation needs to be less than the total adult population, otherwise the household forecasts will not make sense when compared with the population forecasts. This condition was not wholly met and a number of adjustments were made to bring the household forecasts into balance with the adult population forecasts. The effect of these adjustments was to reduce the number of multi-adult households (ie two or more adults) and increase by an equal amount the number of single person households. Although this altered the distribution of household types within forecast years, it did not affect the overall number of households in each year or household change between 2000 and 2016. The detailed calculations are set out in *Appendix 2*.

Changes in Household Type

Household types are classified in terms of household composition, that is, the number of adults and children in a household. In these forecasts, the relationship between persons in the household has not been distinguished. *Figures 3.7* and *3.8* indicate the change in the broad household types identified for Aberdeen City and Aberdeenshire. These totals have been adjusted to satisfy the ‘minimum population test’ (see above).

Figure 3.7 - Household Composition - Aberdeen City

	2000	2001	2006	2011	2016	Change 2000/16
1 person no children	40,380	41,290	46,600	52,010	57,680	+17,300
2 or more adults no children	38,210	38,490	39,000	39,580	39,640	+1,430
1 adult with children	5,030	5,070	5,230	5,410	5,660	+630
2 or more adults with children	16,980	16,420	13,740	10,770	8,230	-8,750
Total households	100,600	101,270	104,570	107,770	111,210	+10,610

In Aberdeen City, the greatest change in household composition was found in the single person households with no children and the two or more adults with children. It is predicted that by 2016, the number of single person households in Aberdeen will have grown by over 40% compared with 2000. Households comprising two or more adults with children, however, are expected to decline by over one half compared with 2000.

After single person households, households consisting of two or more adults with no children form the largest category of household type, at 38% of all households in 2000. This is predicted to rise slightly in the period to 2016. Single parents account for only 5% of all Aberdeen households in 2000 and this is also expected to rise slightly throughout the forecast period.

Figure 3.8 - Household Composition - Aberdeenshire

	2000	2001	2006	2011	2016	Change 2000/16
1 person no children	23,240	23,960	28,070	32,600	37,390	+14,150
2 or more adults no children	40,740	41,590	45,130	48,230	50,280	+9,540
1 adult with children	2,840	2,900	3,180	3,440	3,690	+850
2 or more adults with children	24,180	23,660	21,200	18,840	16,910	-7,270
Total households	91,000	92,110	97,580	103,110	108,270	+17,270

In Aberdeenshire, the greatest change in household composition is expected to be in single person households. By 2016, it is predicted that this category of household will have grown by 60%. The greatest decline is again expected in two or more adult households with children, where there will be a reduction of 30%.

Households consisting of two adults with no children form the largest single category of household type in Aberdeenshire, with 45% of all households in 2000. By 2016, there will be over 50,000 households of this type. Single parents account for only 3% of Aberdeenshire households in 2000; this is expected to rise slightly through to 2016.

Household Size

The average household size in the Structure Plan Area is predicted to decrease over the forecast period, see *Figure 3.9*. By 2016, it is anticipated the average household size throughout the Structure Plan Area will be less than two persons per household. This is a result of household increase being higher than population growth. As would be expected from the information detailed above on household composition, Aberdeen City will have a lower occupancy rate than Aberdeenshire. Both areas will, however, experience a decrease in average household size over the forecast period to less than two persons per household in Aberdeen City from 2006 and just above two persons per household in Aberdeenshire by 2016.

Figure 3.9 - Average Household Size

	2000	2001	2006	2011	2016
Structure Plan Area	2.24	2.22	2.14	2.06	1.98
Aberdeen City	2.04	2.02	1.95	1.88	1.81
Aberdeenshire	2.46	2.44	2.34	2.24	2.14

Changes in Household Formation

To appreciate the scale of the forecast change in household formation, a further set of forecasts were prepared. This assumed that the 2000 headship rates remained constant. *Figure 3.10* indicates the results of applying these sets of rates.

*Figure 3.10 - Application of Fixed and Variable Headship Rates:
Structure Plan Area*

	Holding 2000 Rates Constant	Forecast 2016 Rates
Total Households at 2016	202,360	219,480
Increase in Households 2000/16	+10,760	+27,880

If the headship rates at 2000 were held constant and applied to the forecast population for 2016, the increase in households would be significantly lower than the rate currently being forecast, 10,760 compared to 27,880. This shows that changes in the total number and age structure of the population account for 39% of the household increase, while the remaining 17,120 (61%) is accounted for by anticipated changes in housing expectations and standards - see *Figure 3.11*.

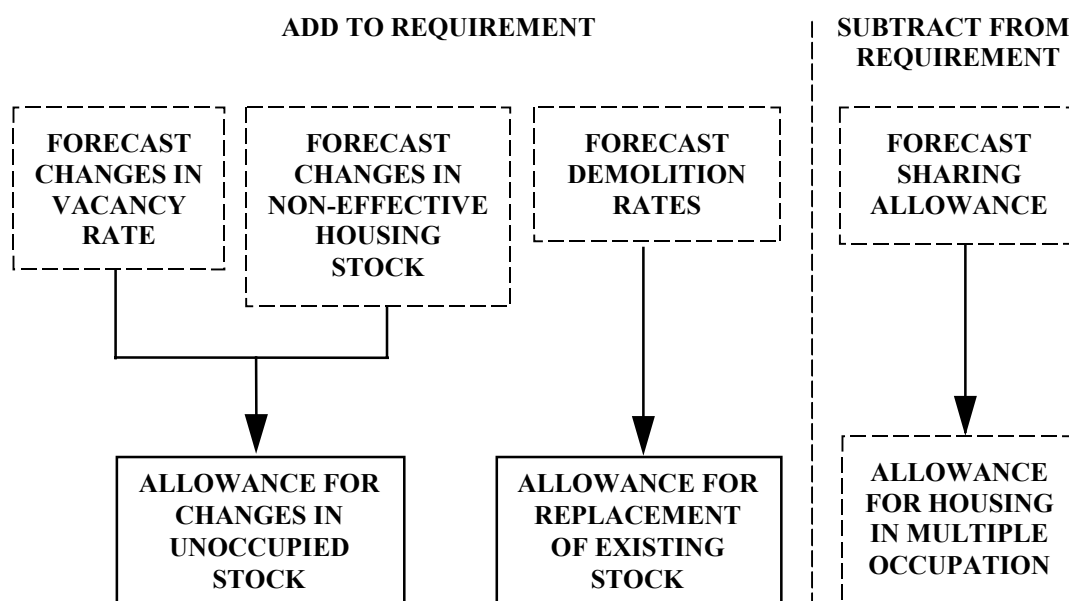
Figure 3.11 - Components of Household Growth 2000-2016

	Age Structure and Migration Component	Expectational Component	Total
Structure Plan Area	+10,760	+17,120	+27,880

HOUSING REQUIREMENT

The second element in the forecasting process is the housing requirement calculation. In addition to using the household change forecasts, this involves an assessment of the factors that can influence the availability of the existing housing stock for occupation. *Figure 3.12* illustrates these factors and the effect they have in this process.

Figure 3.12 - Projection of Stock Related Factors



Housing Stock Related Factors

To calculate the vacancy rates, a figure for housing stock for the base year and each of the forecast years has to be calculated. The base year total is derived by taking the estimate of dwellings from the mid-1999 Scottish Executive household estimates and adding on completions and subtracting demolitions for the mid-1999 to mid-2000 period. A dwellings total for each of the forecast years is then produced. This is achieved by, firstly, calculating the change in the number of households, and, secondly, estimating the change in the non-effective stock. This gives a total housing stock figure that allows the vacant stock to be calculated.

- Non-Effective Stock:** The non-effective stock comprises holiday and second homes, student flats and company flats. As this figure was required to produce a housing stock figure for each of the forecast years, past trends in the non-effective stock from the Scottish Executive household estimates were looked at to give an estimate of the possible future change. The Scottish Executive assumes in its projections that the proportion of housing stock that was non-effective in 1991 will remain constant over time. It has been assumed that there will be an increase in non-effective stock of 20 units per annum in Aberdeen City and 10 per annum in Aberdeenshire. This is the same assumption that was used in the 1999 Forecasts.

Figure 3.13 - Non-Effective Housing Stock

	2000/01	2001/06	2006/11	2011/16
Structure Plan Area	30	150	150	150
Aberdeen City	20	100	100	100
Aberdeenshire	10	50	50	50

- Vacancy Rate:** The vacancy information used in the forecast model is based on data from the 1991 Census and assumes that the proportion of the total housing stock which was vacant in the 1991 Census will remain constant. This is again consistent with the methodology used by the Scottish Executive in its household projections. It is assumed that the percentage of stock vacant throughout the forecast period will be 5.0% of the total housing stock in Aberdeen City and 4.6% in Aberdeenshire.

Figure 3.14 - Change in Vacant Housing Stock

	2000/01	2001/06	2006/11	2011/16
Structure Plan Area	92	455	453	447
Aberdeen City	37	184	179	191
Aberdeenshire	55	271	274	256

- Sharing Allowance:** The sharing allowance gives an indication of the number of discrete households who are living in the same home. In previous forecasts, this has been added into the forecasts to ensure that no over estimation is made in the requirement for housing. In the current set of forecasts it is assumed that there will be no change in the sharing allowance over the forecast period in either Aberdeen City or Aberdeenshire.
- Demolitions:** The forecasts assume 20 houses per annum being demolished in both Aberdeen and Aberdeenshire. These rates are based on historical data on demolition rates from the authorities' Housing department returns to the Scottish Executive.

Figure 3.15 - Demolitions

	2000/01	2001/06	2006/11	2011/16
Structure Plan Area	40	200	200	200
Aberdeen City	20	100	100	100
Aberdeenshire	20	100	100	100

Total Housing Requirement

The addition of the household forecasts and the housing stock changes provides a forecast of the additional housing requirement for the forecast period. *Figure 3.16* summarises the breakdown of the total housing requirement in the Structure Plan Area for the relevant time periods.

Figure 3.16 - Total Housing Requirement 2000-2016

	2000/01	2001/06	2006/11	2011/16	Total 2000/16
Structure Plan Area	1,940	9,570	9,530	9,410	30,450

In addition to providing forecasts for the Structure Plan Area, an estimate is made for the requirement for housing within the area's two Housing Market Areas (HMAs) - the Aberdeen HMA and the Aberdeenshire Rural HMA. The Aberdeen HMA comprises all of Aberdeen City and a sub-area of Aberdeenshire, which covers an area within an approximate 30 km radius of Aberdeen. The Aberdeenshire Rural HMA comprises the remaining part of Aberdeenshire that lies outwith the 20 mile radius.

In previous forecasts, it was calculated that 55% of the housing requirement in Aberdeenshire was in the Aberdeen HMA and the remaining 45% in the Rural HMA. It was also calculated that 70% of the total housing requirement for the Structure Plan Area was in the Aberdeen HMA. An assessment of housing completions in the two HMAs between 1998 and 2000 revealed that these proportions remain accurate.

Figures 3.17 and *3.18* show the housing requirements for the Aberdeen and Aberdeenshire Rural HMAs. To calculate the Aberdeen HMA housing requirement, both options were used: (a) Aberdeen City plus 55% of the Aberdeenshire requirement, and, (b) 70% of the Structure Plan Area requirement. The average of these produced the final requirement. The Aberdeenshire Rural HMA housing requirement is the difference between the requirements for the Structure Plan Area and the Aberdeen HMA.

Figure 3.17 - Housing Requirement Forecasts for Aberdeen Housing Market Area (AHMA)

	2000/01	2001/06	2006/11	2011/16
Aberdeenshire part of AHMA = 55% of Aberdeenshire	660	3,240	3,260	3,070
Aberdeen City (Total)	740	3,690	3,580	3,830
Total Requirement	1,400	6,930	6,850	6,900
AHMA = 70% of Structure Plan Area	1,360	6,700	6,670	6,580
Average of Two Options	1,380	6,810	6,760	6,740

Figure 3.18 - Housing Requirement Forecasts for Housing Market Areas

	Total 2000/16	2000/01	2001/06	2006/11	2011/16
Structure Plan Area	30,450	1,940	9,570	9,530	9,410
Aberdeen Housing Market Area	21,690	1,380	6,810	6,760	6,740
Rural Housing Market Area	8,760	560	2,760	2,770	2,670

COMPARISONS AND CHECKS

Comparison with Previous Forecasts

Figure 3.19 indicates the scale of change in the current forecasts compared with those produced in 1999. The housing requirement forecast for the Aberdeen Housing Market Area has been increased by 5,960 (+38%), while the forecast for the Aberdeenshire Rural Housing Market Area has increased by 1,960 (+29%). Overall, the forecasts indicate that there is an increase of 7,920 (+35%) in the housing requirement for the Structure Plan Area compared to the previous set of forecasts.

Figure 3.19 - Total Housing Requirement 2000-2016

	1999 Forecasts	2001 Forecasts	Change Between Forecasts
Structure Plan Area	22,520	30,450	+7,930
Aberdeen Housing Market Area	15,730	21,690	+5,960
Rural Housing Market Area	6,790	8,760	+1,970

The main reasons for the increase in the total housing requirement derive from the more positive outlook in employment, a higher population forecast, and the changes that have been made to the application of headship rates.

Comparison with Scottish Executive Projections

The Scottish Executive published its 1998 based household projections for Scotland in August 2000. *Figure 3.20* compares its projected household increase with the forecasts in this report. Comparisons can only be made up to 2012 as that is the end date of the Scottish Executive projections.

Figure 3.20 - Comparison of 1998 Based Scottish Executive Household Projections with 2000 Based Strategic Household Forecasts

	2000	2012	Change 2000/12
Scottish Executive (1998 based)			
Aberdeen City	100,200	106,400	+6,200
Aberdeenshire	91,000	103,500	+12,500
Structure Plan Area	191,200	209,900	+18,700
Strategic Forecasts (2000 based)			
Aberdeen City	100,600	108,460	+7,860
Aberdeenshire	91,000	104,140	+13,140
Structure Plan Area	191,600	212,600	+21,000

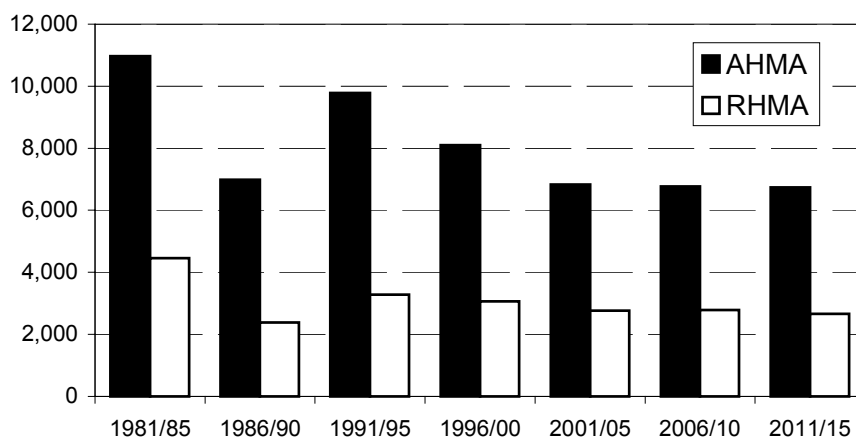
The forecasts produced by Aberdeen City/Aberdeenshire Councils and the Scottish Executive indicate increases in the number of households being formed, although the Councils' forecasts predict that this rate of increase will be greater than that projected by the Scottish Executive. Between 2000 and 2012, an increase of 6.2% is predicted by the Scottish Executive in Aberdeen, compared with a 7.8% increase forecast in this report. For Aberdeenshire, household growth is predicted at 13.7% and 14.4% respectively.

Checks

a. Housebuilding Rates

In order to meet the requirement for housing in the Structure Plan Area, the calculations in this report indicate that for the period from 2000-2016, an annual average of 1,350 houses will be needed in the Aberdeen Housing Market Area and 550 in the Aberdeenshire Rural Housing Market Area. To set these rates in context, *Figure 3.21* illustrates the previous build rates between 1981 and 2000, and the forecast housing requirement for 2001 to 2015. (These figures relate to calendar years rather than mid-year to mid-year).

Figure 3.21 - Previous and Forecast House Building Rates, 1981-2016



The lower housebuilding rate in 1986/90 indicates the reduction that occurred in response to the oil price slump during that period. This trend was also observed in the Aberdeenshire Rural Housing Market Area, although it was not as pronounced.

b. Housing Land Supply

The Structure Plan (NEST) has developed monitoring procedures which include a comparison of the housing requirement and the land supply. This indicates the extent to which housing demand can be met by building on approved housing sites. *Figure 3.22* shows the amount of land allocated for future housing developments (the established supply) at 1st January 2001 and further refines this supply to include only those sites that have no significant constraints on development (the effective supply). The requirement for January 2001 to December 2005 has been derived by taking the relevant proportions of the 2000/01 and 2001/06 forecasts.

The Structure Plan includes procedures for review of the housing element of the Plan if monitoring indicates that a shortfall in the effective five year supply of land is likely to occur. The Plan also includes the flexibility to reflect updated forecasts.

Figure 3.22 - Housing Requirement and Land Supply

	Forecast Requirement Jan 2001/Dec 2005	Established Land Supply Jan 2001	Effective Land Supply Jan 2001
Structure Plan Area	9,590	13,333	8,470
Aberdeen Housing Market Area	6,820	9,336	5,980
Rural Housing Market Area	2,770	3,997	2,490

Figure 3.22 shows that the *established* land supply is currently in excess of the housing requirement in the Aberdeen and Rural HMAs. However, the *effective* supply is short of the requirement in both areas.

Appendix 1

Headship Rates used in Household Forecasts

- provided by Scottish Executive; extended beyond 2012

ABERDEEN CITY - 1971/1991 HEADSHIP RATES

Household Type	Age Group	2000	2001	2006	2011	2016
1 person male	16-24	0.06603	0.06786	0.07677	0.08533	0.09381
	25-29	0.13059	0.13388	0.14943	0.16356	0.17734
	30-34	0.11999	0.12335	0.13946	0.15449	0.16925
	35-44	0.09328	0.09594	0.10889	0.12133	0.13364
	45-54	0.07313	0.07493	0.08365	0.09190	0.10004
	55-59	0.06994	0.07144	0.07878	0.08587	0.09289
	60-64	0.07563	0.07706	0.08411	0.09097	0.09779
	65-74	0.08705	0.08840	0.09504	0.10150	0.10791
	75-84	0.12207	0.12417	0.13434	0.14402	0.15357
	85+	0.10290	0.10435	0.11143	0.11821	0.12491
Total		0.94061	0.96138	1.06190	1.15717	1.25115
1 person female	16-24	0.04722	0.04842	0.05428	0.05993	0.06553
	25-29	0.08575	0.08799	0.09863	0.10841	0.11797
	30-34	0.06953	0.07138	0.08028	0.08868	0.09694
	35-44	0.04439	0.04541	0.05039	0.05521	0.05999
	45-54	0.05631	0.05693	0.05994	0.06276	0.06552
	55-59	0.08543	0.08529	0.08455	0.08376	0.08296
	60-64	0.13535	0.13541	0.13562	0.13575	0.13586
	64-74	0.25029	0.25118	0.25547	0.25952	0.26351
	75-84	0.45533	0.45950	0.47904	0.49659	0.51366
	85+	0.61253	0.61902	0.64790	0.67181	0.69458
Total		1.84214	1.86053	1.94612	2.02241	2.09654
2 person all adult	16-24	0.09431	0.09518	0.09944	0.10349	0.10749
	25-29	0.17864	0.18101	0.19208	0.20192	0.21148
	30-34	0.13295	0.13561	0.14834	0.16017	0.17178
	35-44	0.09173	0.09347	0.10200	0.11019	0.11830
	45-54	0.17482	0.17657	0.18489	0.19254	0.20004
	55-59	0.27875	0.28004	0.28617	0.29189	0.29750
	60-64	0.31155	0.31207	0.31448	0.31665	0.31877
	64-74	0.31860	0.31890	0.32026	0.32141	0.32250
	75-84	0.23483	0.23287	0.22317	0.21368	0.20424
	85+	0.15633	0.15335	0.13925	0.12643	0.11391
Total		1.97251	1.97908	2.01008	2.03837	2.06601
1 adult, 1 child	16-24	0.02389	0.02458	0.02798	0.03127	0.03453
	25-29	0.03274	0.03355	0.03742	0.04102	0.04454
	30-34	0.02692	0.02760	0.03089	0.03402	0.03710
	35-44	0.02060	0.02109	0.02350	0.02583	0.02815
	45-54	0.00515	0.00513	0.00508	0.00501	0.00494
	55-59	0.00212	0.00209	0.00197	0.00185	0.00173
	60-64	0.00093	0.00092	0.00087	0.00082	0.00076
	64-74	0.00037	0.00036	0.00032	0.00028	0.00024
	75-84	0.00048	0.00048	0.00046	0.00045	0.00043
	85+	0.00035	0.00034	0.00029	0.00025	0.00021
Total		0.11355	0.11615	0.12877	0.14079	0.15265

ABERDEEN CITY - 1971/1991 HEADSHIP RATES (continued)

Household Type	Age Group	2000	2001	2006	2011	2016
3+ person all adult	16-24	0.03881	0.03984	0.04489	0.04976	0.05460
	25-29	0.01593	0.01630	0.01806	0.01971	0.02133
	30-34	0.00989	0.01011	0.01118	0.01220	0.01321
	35-44	0.06547	0.06689	0.07385	0.08056	0.08721
	45-54	0.19095	0.19304	0.20297	0.21211	0.22106
	55-59	0.14423	0.14422	0.14407	0.14381	0.14352
	60-64	0.08441	0.08343	0.07868	0.07414	0.06966
	64-74	0.05000	0.05000	0.04000	0.04000	0.04000
	75-84	0.02000	0.02000	0.01000	0.01000	0.01000
	85+	0.00690	0.00630	0.00398	0.00249	0.00117
	Total	0.62659	0.63013	0.62768	0.64479	0.66175
1 adult 2+ children	16-24	0.00857	0.00880	0.00994	0.01104	0.01213
	25-29	0.02694	0.02744	0.02981	0.03200	0.03415
	30-34	0.04297	0.04390	0.04842	0.05269	0.05689
	35-44	0.02025	0.02059	0.02230	0.02395	0.02559
	45-54	0.00182	0.00179	0.00166	0.00154	0.00142
	55-59	0.00021	0.00020	0.00017	0.00015	0.00012
	60-64	0.00027	0.00028	0.00033	0.00037	0.00042
	64-74	0.00004	0.00003	0.00003	0.00002	0.00001
	75-84	0.00000	0.00000	0.00000	0.00000	0.00000
	85+	0.00000	0.00000	0.00000	0.00000	0.00000
	Total	0.10106	0.10304	0.11266	0.12176	0.13074
2+ adult 1+ children	16-24	0.01647	0.01562	0.01195	0.00911	0.00645
	25-29	0.08508	0.08144	0.06536	0.05224	0.03979
	30-34	0.19698	0.19232	0.17041	0.15063	0.13135
	35-44	0.26777	0.26439	0.24793	0.23217	0.21660
	45-54	0.08596	0.08296	0.06941	0.05791	0.04688
	55-59	0.01990	0.01891	0.01465	0.01130	0.00816
	60-64	0.01149	0.01096	0.00864	0.00679	0.00505
	64-74	0.00490	0.00463	0.00349	0.00262	0.00181
	75-84	0.00163	0.00151	0.00105	0.00072	0.00042
	85+	0.00011	0.00010	0.00004	0.00002	0.00000
	Total	0.69029	0.67284	0.59292	0.52351	0.45652

ABERDEENSHIRE - 1971/1991 HEADSHIP RATES

Household Type	Age Group	2000	2001	2006	2011	2016
1 person male	16-24	0.02999	0.03086	0.03513	0.03932	0.04350
	25-29	0.06935	0.07134	0.08109	0.09045	0.09972
	30-34	0.05212	0.05365	0.06122	0.06866	0.07606
	35-44	0.04384	0.04509	0.05124	0.05730	0.06333
	45-54	0.04922	0.05032	0.05572	0.06093	0.06609
	55-59	0.05046	0.05133	0.05562	0.05976	0.06387
	60-64	0.06620	0.06736	0.07303	0.07852	0.08396
	65-74	0.08792	0.08917	0.09526	0.10112	0.10693
	75-84	0.12201	0.12401	0.13366	0.14282	0.15185
	85+	0.13973	0.14209	0.15347	0.16416	0.17469
Total		0.71084	0.72522	0.79546	0.86306	0.93001
1 person female	16-24	0.01836	0.01892	0.02170	0.02442	0.02714
	25-29	0.02522	0.02598	0.02967	0.03325	0.03680
	30-34	0.01850	0.01903	0.02169	0.02430	0.02691
	35-44	0.01522	0.01549	0.01688	0.01824	0.01960
	45-54	0.02643	0.02635	0.02591	0.02545	0.02498
	55-59	0.05695	0.05666	0.05520	0.05373	0.05226
	60-64	0.11491	0.11543	0.11794	0.12030	0.12263
	65-74	0.22066	0.22207	0.22890	0.23533	0.24167
	75-84	0.38190	0.38523	0.40092	0.41518	0.42911
	85+	0.48853	0.49417	0.52003	0.54248	0.56413
Total		1.36668	1.37934	1.43883	1.49269	1.54524
2 person all adult	16-24	0.05312	0.05359	0.05591	0.05816	0.06040
	25-29	0.15745	0.16002	0.17250	0.18433	0.19599
	30-34	0.10558	0.10792	0.11941	0.13062	0.14176
	35-44	0.07307	0.07446	0.08131	0.08803	0.09472
	45-54	0.16617	0.16827	0.17845	0.18809	0.19760
	55-59	0.29114	0.29330	0.30366	0.31334	0.32286
	60-64	0.32836	0.32982	0.33676	0.34320	0.34953
	65-74	0.33040	0.33100	0.33375	0.33614	0.33845
	75-84	0.26240	0.26106	0.25427	0.24747	0.24067
	85+	0.17364	0.17112	0.15894	0.14748	0.13619
Total		1.94132	1.95056	1.99497	2.03686	2.07816
1 adult, 1 child	16-24	0.01196	0.01232	0.01412	0.01588	0.01763
	25-29	0.01685	0.01733	0.01973	0.02205	0.02435
	30-34	0.01298	0.01336	0.01526	0.01713	0.01899
	35-44	0.01219	0.01248	0.01392	0.01534	0.01676
	45-54	0.00374	0.00370	0.00349	0.00329	0.00309
	55-59	0.00234	0.00234	0.00233	0.00232	0.00231
	60-64	0.00064	0.00062	0.00054	0.00046	0.00039
	65-74	0.00031	0.00030	0.00022	0.00017	0.00011
	75-84	0.00027	0.00027	0.00024	0.00021	0.00019
	85+	0.00000	0.00000	0.00000	0.00000	0.00000
Total		0.06129	0.06272	0.06984	0.07684	0.08382

ABERDEENSHIRE - 1971/1991 HEADSHIP RATES (continued)

Household Type	Age Group	2000	2001	2006	2011	2016
3+ person all adult	16-24	0.00420	0.00431	0.00485	0.00538	0.00591
	25-29	0.00620	0.00637	0.00722	0.00804	0.00885
	30-34	0.00450	0.00457	0.00490	0.00523	0.00556
	35-44	0.05298	0.05407	0.05950	0.06484	0.07016
	45-54	0.19551	0.19837	0.21222	0.22529	0.23816
	55-59	0.15243	0.15244	0.15239	0.15220	0.15199
	60-64	0.09566	0.09446	0.08868	0.08318	0.07775
	65-74	0.05304	0.05177	0.04582	0.04050	0.03533
	75-84	0.02234	0.02122	0.01636	0.01257	0.00901
	85+	0.02206	0.02085	0.01570	0.01177	0.00811
	Total	0.60891	0.60843	0.60764	0.60901	0.61085
1 adult 2+ children	16-24	0.00336	0.00342	0.00370	0.00398	0.00425
	25-29	0.01554	0.01593	0.01787	0.01974	0.02160
	30-34	0.02493	0.02556	0.02868	0.03175	0.03482
	35-44	0.01797	0.01836	0.02032	0.02225	0.02417
	55-59	0.00011	0.00010	0.00007	0.00005	0.00003
	45-54	0.00182	0.00179	0.00169	0.00158	0.00148
	60-64	0.00040	0.00041	0.00045	0.00050	0.00054
	65-74	0.00004	0.00004	0.00003	0.00002	0.00001
	75-84	0.00000	0.00000	0.00000	0.00000	0.00000
	85+	0.00000	0.00000	0.00000	0.00000	0.00000
	Total	0.06416	0.06561	0.07280	0.07987	0.08691
2+ adult 1+ children	16-24	0.02185	0.02101	0.01730	0.01421	0.01126
	25-29	0.15438	0.15092	0.13466	0.11993	0.10558
	30-34	0.30613	0.30402	0.29355	0.28327	0.27305
	35-44	0.34771	0.34649	0.34031	0.33408	0.32784
	45-54	0.12659	0.12350	0.10908	0.09618	0.08363
	55-59	0.02772	0.02643	0.02082	0.01634	0.01212
	60-64	0.01203	0.01136	0.00852	0.00636	0.00435
	65-74	0.00463	0.00433	0.00310	0.00221	0.00138
	75-84	0.00255	0.00236	0.00159	0.00106	0.00059
	85+	0.00087	0.00080	0.00051	0.00032	0.00016
	Total	1.00446	0.99122	0.92943	0.87397	0.81997

ABERDEEN CITY - 1981/1991 HEADSHIP RATES

Household Type	Age Group	2000	2001	2006	2011	2016
1 person male	16-24	0.07700	0.07997	0.09438	0.10801	0.12116
	25-29	0.14242	0.14686	0.16759	0.18602	0.20314
	30-34	0.13358	0.13822	0.16011	0.17974	0.19806
	35-44	0.10886	0.11313	0.13374	0.15313	0.17176
	45-54	0.08376	0.08672	0.10115	0.11490	0.12825
	55-59	0.07649	0.07869	0.08950	0.09991	0.11008
	60-64	0.08290	0.08511	0.09591	0.10633	0.11651
	65-74	0.08685	0.08819	0.09483	0.10134	0.10778
	75-84	0.12653	0.12911	0.14165	0.15357	0.16512
	85+	0.10204	0.10338	0.10981	0.11592	0.12187
Total		1.02043	1.04938	1.18866	1.31887	1.44373
1 person female	16-24	0.05408	0.05600	0.06535	0.07424	0.08286
	25-29	0.09468	0.09780	0.11253	0.12582	0.13828
	30-34	0.08018	0.08308	0.09686	0.10944	0.12129
	35-44	0.05288	0.05480	0.06415	0.07308	0.08174
	45-54	0.06373	0.06517	0.07220	0.07893	0.08548
	55-59	0.09163	0.09216	0.09473	0.09714	0.09946
	60-64	0.13632	0.13646	0.13707	0.13750	0.13784
	64-74	0.24493	0.24525	0.24679	0.24821	0.24955
	75-84	0.43876	0.44129	0.45311	0.46368	0.47356
	85+	0.63374	0.64167	0.67583	0.70234	0.72502
Total		1.89093	1.91369	2.01863	2.11038	2.19509
2 person all adult	16-24	0.10043	0.10194	0.10923	0.11606	0.12261
	25-29	0.17167	0.17326	0.18044	0.18650	0.19196
	30-34	0.13963	0.14288	0.15816	0.17181	0.18451
	35-44	0.09690	0.09918	0.11021	0.12063	0.13068
	45-54	0.19125	0.19477	0.21173	0.22762	0.24287
	55-59	0.28695	0.28911	0.29942	0.30903	0.31824
	60-64	0.31235	0.31291	0.31543	0.31753	0.31940
	64-74	0.31817	0.31845	0.31975	0.32090	0.32195
	75-84	0.24422	0.24322	0.23808	0.23274	0.22732
	85+	0.15334	0.15005	0.13457	0.12070	0.10776
Total		2.01491	2.02577	2.07703	2.12351	2.16730
1 adult, 1 child	16-24	0.02622	0.02715	0.03174	0.03613	0.04039
	25-29	0.03392	0.03485	0.03922	0.04322	0.04700
	30-34	0.02647	0.02708	0.02999	0.03266	0.03518
	35-44	0.02275	0.02347	0.02698	0.03035	0.03363
	45-54	0.00563	0.00567	0.00588	0.00607	0.00626
	55-59	0.00322	0.00331	0.00378	0.00423	0.00467
	60-64	0.00124	0.00127	0.00138	0.00148	0.00159
	64-74	0.00025	0.00023	0.00016	0.00011	0.00008
	75-84	0.00086	0.00089	0.00108	0.00127	0.00145
	85+	0.00083	0.00087	0.00107	0.00126	0.00145
Total		0.12139	0.12480	0.14128	0.15678	0.17170

ABERDEEN CITY - 1981/1991 HEADSHIP RATES (continued)

Household Type	Age Group	2000	2001	2006	2011	2016
3+ person all adult	16-24	0.04237	0.04377	0.05061	0.05714	0.06347
	25-29	0.01188	0.01181	0.01146	0.01109	0.01071
	30-34	0.00982	0.01003	0.01102	0.01192	0.01278
	35-44	0.05366	0.05378	0.05434	0.05476	0.05512
	45-54	0.15276	0.15084	0.14145	0.13243	0.12366
	55-59	0.12481	0.12280	0.11315	0.10413	0.09550
	60-64	0.07298	0.07097	0.06166	0.05352	0.04601
	64-74	0.04797	0.04708	0.04286	0.03900	0.03534
	75-84	0.02141	0.02054	0.01667	0.01351	0.01072
	85+	0.00554	0.00493	0.00276	0.00154	0.00069
	Total	0.54320	0.53656	0.50597	0.47904	0.45400
1 adult 2+ children	16-24	0.01007	0.01046	0.01239	0.01424	0.01604
	25-29	0.02940	0.03014	0.03369	0.03692	0.03999
	30-34	0.04341	0.04436	0.04888	0.05299	0.05687
	35-44	0.02346	0.02416	0.02754	0.03079	0.03395
	45-54	0.00284	0.00292	0.00333	0.00373	0.00412
	55-59	0.00036	0.00037	0.00042	0.00046	0.00051
	60-64	0.00027	0.00028	0.00032	0.00036	0.00040
	64-74	0.00006	0.00006	0.00006	0.00006	0.00007
	75-84	0.00000	0.00000	0.00000	0.00000	0.00000
	85+	0.00000	0.00000	0.00000	0.00000	0.00000
	Total	0.10987	0.11275	0.12662	0.13956	0.15193
2+ adult 1+ children	16-24	0.01604	0.01515	0.01140	0.00856	0.00617
	25-29	0.07676	0.07261	0.05488	0.04136	0.02994
	30-34	0.17706	0.17075	0.14209	0.11786	0.09604
	35-44	0.25798	0.25361	0.23258	0.21287	0.19396
	45-54	0.09146	0.08889	0.07700	0.06659	0.05701
	55-59	0.02128	0.02037	0.01636	0.01313	0.01029
	60-64	0.01372	0.01335	0.01160	0.01007	0.00866
	64-74	0.00641	0.00624	0.00546	0.00477	0.00414
	75-84	0.00159	0.00147	0.00101	0.00069	0.00043
	85+	0.00005	0.00004	0.00001	0.00000	0.00000
	Total	0.66234	0.64249	0.55239	0.47590	0.40665

ABERDEENSHIRE - 1981/1991 HEADSHIP RATES

Household Type	Age Group	2000	2001	2006	2011	2016
1 person male	16-24	0.03162	0.03266	0.03777	0.04273	0.04762
	25-29	0.07423	0.07671	0.08869	0.09994	0.11076
	30-34	0.05564	0.05753	0.06676	0.07564	0.08429
	35-44	0.04734	0.04896	0.05698	0.06484	0.07260
	45-54	0.05256	0.05404	0.06134	0.06846	0.07548
	55-59	0.04962	0.05041	0.05427	0.05799	0.06163
	60-64	0.06997	0.07154	0.07922	0.08663	0.09387
	65-74	0.09079	0.09236	0.10005	0.10750	0.11480
	75-84	0.11794	0.11949	0.12694	0.13393	0.14064
	85+	0.14988	0.15323	0.16913	0.18370	0.19753
	Total	0.73959	0.75692	0.84115	0.92136	0.99922
1 person female	16-24	0.02116	0.02202	0.02627	0.03042	0.03450
	25-29	0.02840	0.02948	0.03475	0.03976	0.04460
	30-34	0.02102	0.02182	0.02575	0.02956	0.03329
	35-44	0.01782	0.01839	0.02119	0.02395	0.02669
	45-54	0.02918	0.02940	0.03048	0.03152	0.03254
	55-59	0.05423	0.05366	0.05084	0.04813	0.04548
	60-64	0.11031	0.11033	0.11030	0.11016	0.10994
	65-74	0.22579	0.22778	0.23741	0.24658	0.25548
	75-84	0.38154	0.38479	0.39995	0.41347	0.42610
	85+	0.50632	0.51333	0.54456	0.57007	0.59254
	Total	1.39576	1.41098	1.48151	1.54362	1.60117
2 person all adult	16-24	0.04437	0.04389	0.04156	0.03932	0.03714
	25-29	0.14916	0.15079	0.15855	0.16560	0.17226
	30-34	0.10571	0.10801	0.11921	0.12987	0.14019
	35-44	0.07697	0.07878	0.08771	0.09642	0.10500
	45-54	0.17716	0.18047	0.19663	0.21212	0.22722
	55-59	0.30332	0.30676	0.32325	0.33863	0.35337
	60-64	0.33567	0.33789	0.34849	0.35829	0.36765
	65-74	0.32415	0.32408	0.32354	0.32271	0.32173
	75-84	0.27367	0.27349	0.27224	0.27060	0.26877
	85+	0.16542	0.16209	0.14617	0.13159	0.11783
	Total	1.95560	1.96625	2.01734	2.06515	2.11117
1 adult, 1 child	16-24	0.01285	0.01331	0.01556	0.01776	0.01993
	25-29	0.01852	0.01918	0.02240	0.02546	0.02843
	30-34	0.01438	0.01491	0.01752	0.02004	0.02252
	35-44	0.01427	0.01478	0.01735	0.01989	0.02240
	45-54	0.00464	0.00469	0.00496	0.00523	0.00549
	55-59	0.00382	0.00398	0.00477	0.00555	0.00631
	60-64	0.00061	0.00059	0.00050	0.00042	0.00035
	65-74	0.00038	0.00036	0.00030	0.00025	0.00020
	75-84	0.00011	0.00009	0.00005	0.00003	0.00001
	85+	0.00000	0.00000	0.00000	0.00000	0.00000
	Total	0.06958	0.07191	0.08341	0.09462	0.10563

ABERDEENSHIRE - 1981/1991 HEADSHIP RATES (continued)

Household Type	Age Group	2000	2001	2006	2011	2016
3+ person all adult	16-24	0.00287	0.00284	0.00267	0.00250	0.00235
	25-29	0.00475	0.00476	0.00481	0.00484	0.00487
	30-34	0.00387	0.00387	0.00384	0.00382	0.00379
	35-44	0.04864	0.04926	0.05233	0.05532	0.05828
	45-54	0.16794	0.16788	0.16744	0.16686	0.16621
	55-59	0.13724	0.13565	0.12788	0.12042	0.11317
	60-64	0.08812	0.08622	0.07728	0.06920	0.06160
	65-74	0.05315	0.05189	0.04598	0.04071	0.03579
	75-84	0.02070	0.01948	0.01438	0.01059	0.00745
	85+	0.02111	0.01985	0.01455	0.01065	0.00742
Total		0.54839	0.54169	0.51115	0.48492	0.46092
1 adult 2+ children	16-24	0.00372	0.00381	0.00428	0.00474	0.00520
	25-29	0.01546	0.01584	0.01767	0.01941	0.02110
	30-34	0.02594	0.02667	0.03025	0.03370	0.03707
	35-44	0.02036	0.02102	0.02428	0.02749	0.03066
	55-59	0.00257	0.00263	0.00292	0.00321	0.00350
	45-54	0.00012	0.00011	0.00009	0.00006	0.00005
	60-64	0.00047	0.00049	0.00058	0.00066	0.00075
	65-74	0.00012	0.00013	0.00016	0.00019	0.00023
	75-84	0.00000	0.00000	0.00000	0.00000	0.00000
	85+	0.00000	0.00000	0.00000	0.00000	0.00000
Total		0.06877	0.07070	0.08023	0.08948	0.09855
2+ adult 1+ children	16-24	0.01929	0.01830	0.01404	0.01076	0.00797
	25-29	0.14095	0.13637	0.11540	0.09744	0.08113
	30-34	0.27500	0.26979	0.24492	0.22198	0.20019
	35-44	0.33513	0.33258	0.31993	0.30755	0.29533
	45-54	0.13276	0.13022	0.11818	0.10716	0.09672
	55-59	0.02744	0.02613	0.02045	0.01599	0.01214
	60-64	0.01280	0.01217	0.00944	0.00731	0.00549
	65-74	0.00512	0.00484	0.00366	0.00277	0.00201
	75-84	0.00280	0.00261	0.00186	0.00131	0.00088
	85+	0.00054	0.00047	0.00023	0.00011	0.00004
Total		0.95183	0.93347	0.84810	0.77239	0.70189

Appendix 2

Minimum Population Test

2000-Based Household Forecasts: Minimum Population Test

Household Composition	2000	2001	2006	2011	2016	Change 00-01	Change 01-06	Change 06-11	Change 11-16	Change 00-16
Structure Plan Area	191,600	193,380	202,148	210,879	219,484	1,780	8,768	8,731	8,605	27,884
Aberdeen City	100,600	101,268	104,572	107,774	111,211	668	3,304	3,202	3,437	10,611
<i>1 person male</i>	18,259	18,732	21,507	24,203	26,941	473	2,775	2,696	2,738	8,682
<i>1 person female</i>	22,122	22,563	25,095	27,807	30,738	441	2,531	2,712	2,931	8,616
<i>1 adult and 1 child</i>	2,652	2,690	2,882	3,058	3,219	38	193	176	161	567
<i>1 adult and 2+ children</i>	2,384	2,376	2,344	2,354	2,437	-7	-32	10	83	53
<i>2+ adults and 1+ children</i>	16,979	16,415	13,741	10,774	8,235	-564	-2,674	-2,967	-2,539	-8,743
<i>2 adults</i>	28,369	28,620	29,513	30,663	31,936	251	893	1,150	1,273	3,567
<i>3+ adults</i>	9,837	9,872	9,491	8,915	7,704	35	-380	-576	-1,211	-2,132
Aberdeenshire	91,000	92,112	97,576	103,105	108,273	1,112	5,463	5,529	5,168	17,273
<i>1 person male</i>	10,163	10,505	12,460	14,560	16,591	342	1,955	2,100	2,031	6,428
<i>1 person female</i>	13,075	13,454	15,609	18,041	20,796	380	2,155	2,433	2,754	7,721
<i>1 adult and 1 child</i>	1,403	1,440	1,616	1,771	1,887	37	176	155	116	484
<i>1 adult and 2+ children</i>	1,441	1,464	1,567	1,668	1,803	24	103	100	135	362
<i>2+ adults and 1+ children</i>	24,176	23,655	21,198	18,838	16,917	-521	-2,457	-2,360	-1,920	-7,258
<i>2 adults</i>	28,753	29,439	32,479	35,509	38,004	687	3,040	3,029	2,495	9,252
<i>3+ adults</i>	11,991	12,155	12,646	12,718	12,275	164	491	72	-443	284

'Minimum Adult Population' Test

	2000	2001	2006	2011	2016
Structure Plan Area	333,530	335,562	343,353	349,929	354,535
Aberdeen City	165,620	166,046	166,808	167,041	166,790
<i>1 person male</i>	18,259	18,732	21,507	24,203	26,941
<i>1 person female</i>	22,122	22,563	25,095	27,807	30,738
<i>1 adult and 1 child</i>	2,652	2,690	2,882	3,058	3,219
<i>1 adult and 2+ children</i>	2,384	2,376	2,344	2,354	2,437
<i>2+ adults and 1+ children</i>	33,957	32,830	27,481	21,548	16,470
<i>2 adults</i>	56,737	57,240	59,026	61,326	63,871
<i>3+ adults</i>	29,510	29,615	28,473	26,746	23,113
Aberdeenshire	167,910	169,516	176,546	182,888	187,745
<i>1 person male</i>	10,163	10,505	12,460	14,560	16,591
<i>1 person female</i>	13,075	13,454	15,609	18,041	20,796
<i>1 adult and 1 child</i>	1,403	1,440	1,616	1,771	1,887
<i>1 adult and 2+ children</i>	1,441	1,464	1,567	1,668	1,803
<i>2+ adults and 1+ children</i>	48,351	47,310	42,396	37,675	33,835
<i>2 adults</i>	57,505	58,878	64,959	71,018	76,008
<i>3+ adults</i>	35,973	36,465	37,939	38,155	36,826

Local Population (2000-based population forecasts)

	2000	2001	2006	2011	2016
Structure Plan Area	428,695	429,401	432,225	433,509	433,913
Aberdeen City	204,770	204,764	204,168	202,902	201,836
<i>16 and over</i>	166,388	166,651	167,632	168,846	168,468
<i>0-15</i>	38,382	38,113	36,536	34,056	33,368
Aberdeenshire	223,925	224,637	228,057	230,607	232,077
<i>16 and over</i>	176,871	178,082	184,050	188,511	190,121
<i>0-15</i>	47,054	46,555	44,007	42,096	41,956