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Appendix A: Results Capacity for Growth Study 2008

Table 19 Metropolitan Auckland: Total Dwelling Capacity for Residential Development (includes Residential Infill-General only) 2006 Policy

| Territorial Authority | Vacant and Vacant Potential (dwelling units) 2006 | Vacant Structure Planned areas within current MUL | Structure Plan area Capacity (dwelling units) 2006 | Residential Infill General (dwelling units) 2006 | Residential on Business Zoned Land (dwelling units) 2006 | Total Household Capacity 2006 | Projected years until all Capacity Exhausted (high to low projections) |
|--------------------------|--|--|---|--|--|-------------------------------------|--|
| RDC | 2,396 | Gulf Harbour Silverdale North Orewa West | 1,965 2,137 2,797 | 349 | 1,140 | 10,784 | 23 to 50 |
| NSCC | 9,223 | Long Bay | 1,600 | 2,907 | 10,890 | 24,620 | 13 to 21 |
| WCC | 6,615 | Birdwood Babich | 928 1,050 | 4,260 | 6,160 | 19,013 | 12 to 17 |
| ACC | 4,458 | Stonefields (Mt Wgt Quarry) | 2,600 | 5,423 | 44,480 | 56,961 | 14 to 20 |
| MCC | 4,974 | Flat Bush | 12,920 | 6,250 | 6,140 | 30,284 | 10 to 15 |
| PDC | 1,132 | Hingaia Stage 1 Takanini 1A, 1B, 3 | 1,966 2,310 | 1,123 | 560 | 7,091 | 31 to 50 |
| Metropolitan Total | 28,798 | | 30,273 | 20,312 | 69,370 | 148,753 | 14 to 20 |

^{1.} The Projected Years until all Capacity Exhausted column is a guide only. It will be affected by rate of household growth, the changing size of households, the rate at which dwellings are built, the form of these dwellings as well as changes to Regional and District Plans.

^{2.} It is unlikely that all capacity will be available for development.

Table 20 Metropolitan Auckland: Total Dwelling Capacity for Residential Development (Residential Infill Redevelopment) 2006 Policy

| Territorial Authority | Vacant and Vacant Potential (dwelling units) 2006 | Vacant Structure Planned areas within current MUL | Structure Plan area Capacity (dwelling units) 2006 | Residential Infill Redevelopment (dwelling units) 2006 | Residential on Business Zoned Land (dwelling units) 2006 | Total Household Capacity 2006 | Projected years until all Capacity Exhausted (high to low projections) |
|--------------------------|--|--|---|--|--|-------------------------------------|--|
| RDC | 2,396 | Gulf Harbour Silverdale North Orewa West | 1,965 2,137 2,797 | 1,241 | 1,140 | 11,676 | 26 to 50 |
| NSCC | 9,223 | Long Bay | 1,600 | 12151 | 10,890 | 33,864 | 19 to 40 |
| WCC | 6,615 | Birdwood Babich | 928 1,050 | 13,279 | 6,160 | 28,032 | 18 to 31 |
| ACC | 4,458 | Stonefields (Mt Wgt Quarry) | 2,600 | 18,376 | 44,480 | 69,914 | 18 to 26 |
| MCC | 4,974 | Flat Bush | 12,920 | 16,991 | 6,140 | 41,025 | 14 to 23 |
| PDC | 1,132 | Hingaia Stage 1 Takanini 1A, 1B, 3 | 1,966 2,310 | 3,069 | 560 | 9,037 | 40+ |
| Metropolitan Total | 28,798 | | 30,273 | 65,107 | 69,370 | 193,548 | 18 to 29 |

^{1.} The Projected Years until all Capacity Exhausted column is a guide only. It will be affected by rate of household growth, the changing size of households, the rate at which dwellings are built, the form of these dwellings as well as changes to Regional and District Plans. It is unlikely that all capacity will be available for development.

Table 21 Metropolitan Auckland: Vacant Land for Business Development, 2006

| Territorial Authority | Business zoned Vacant and Vacant Potential 2006 (ha) | Future Urban areas or Special zoned areas for business use | Area (hectares) 2006 | Total Vacant Land (hectares) 2006 | Years until Capacity Exhausted* |
|--------------------------|--|---|-------------------------------|--|---------------------------------------|
| RDC | 53 | Silverdale North (Special 19) | 84 | 137 | 50+ |
| NSCC | 159 | Albany Sub Regional 11 Zone | Active zone | 159 | 6 |
| WCC | 102 | Cobans Estate Penfolds Harbourview Estate | 0 0 Active zone | 102 | 10 |
| ACC | 109 | Stonefields (Mt Wellington Quarry) Three Kings Quarry | 3 Brownfield | 146 | 9 |
| MCC | 563 | Favona Road FUDZ Flat Bush Town Centre Wiri Quarry Ak Int Airport** | 29 25 Brownfield 294 | 911 | 16 |
| PDC | 61 | Hingaia Town Centre Takanini Town Centre | 15 24 | 100 | 12 |
| Metropolitan Total | 1,080 | | 474 | 1,554 | 13 |

Table 22 Metropolitan Auckland: Vacant and Brownfield Land for Business Development, 2006

| Territorial Authority | Business zoned Vacant and Vacant Potential 2006 (ha) (Brownfield removed) | Brownfield Land 2006 | Future Urban areas or Special zoned areas for business use | Area (hectares) 2006 | Total Vacant Land (hectares) 2006 | Years until Capacity Exhausted* |
|--------------------------|--|----------------------------|--|-------------------------------|--|---------------------------------------|
| RDC | 50 | 9 | Silverdale North (Special 19) | 84 | 143 | 50+ |
| NSCC | 151 | 19 | Albany Sub Regional 11 Zone | Active zone | 170 | 6 |
| WCC | 99 | 29 | Cobans Estate Penfolds Harbourview Estate | 0 0 Active zone | 128 | 13 |
| ACC | 109 | 294 | Stonefields (Mt Wellington Quarry) Three Kings Quarry | 3 Brownfield | 405 | 25 |
| MCC | 542 | 217 | Favona Road FUDZ Flat Bush Town Centre Wiri Quarry Ak Int Airport** | 29 25 Brownfield 294 | 1,107 | 20 |
| PDC | 61 | 42 | Hingaia Town Centre Takanini Town Centre | 15 24 | 142 | 16 |
| Metropolitan Total | 1,012 | 611 | | 474 | 2,096 | 17 |

Table 23 Redevelopment Capacity on Business Land – Metropolitan Area Total

| Territorial Authority | Development as at 2006 | | | Development Potential as at 2006 | | | Capacity Remaining as % of Potential | | |
|--------------------------|---------------------------------|--------------------|-------------------|---|------------------------------|-------------------|--------------------------------------|-----------------------------|------------------------------|
| | Business Floor Space (m²) | Employment (EC) | Dwelling Units | Business Floor Space Potential (m²) | Employment Potential (EC) | Dwelling Units | Business Floor Space (m²) | Employment Capacity (EC) | Dwelling Unit Capacity |
| RDC | 256,883 | 5,295 | 52 | 1,255,890 | 27,470 | 1,194 | 80% | 81% | 95% |
| NSCC | 3,335,308 | 57,570 | 1,060 | 5,366,270 | 112,590 | 11,801 | 38% | 49% | 90% |
| WCC | 1,827,381 | 28,414 | 576 | 3,721,810 | 65,820 | 6,732 | 51% | 57% | 91% |
| ACC | 12,130,220 | 238,193 | 15,643 | 24,928,310 | 481,470 | 58,879 | 51% | 51% | 64% |
| MCC | 6,223,078 | 85,279 | 989 | 14,373,270 | 212,760 | 7,117 | 57% | 60% | 84% |
| PDC | 862,046 | 12,374 | 180 | 2,039,570 | 31,350 | 694 | 58% | 61% | 65% |
| Metropolitan Total | 24,634,917 | 427,125 | 18,500 | 51,685,120 | 931,460 | 86,417 | 52% | 54% | 79% |

 Table 24 Redevelopment Capacity on Business Land – Non-metropolitan Area [to be completed once Rural Town Data collected]

| Territorial Authority | Development as at 2006 | | | Development Potential as at 2006 | | | Capacity Remaining as % of Potential | | |
|--------------------------|---------------------------------|--------------------|-------------------|---|------------------------------|-------------------|--------------------------------------|-----------------------------|------------------------------|
| | Business Floor Space (m²) | Employment (EC) | Dwelling Units | Business Floor Space Potential (m²) | Employment Potential (EC) | Dwelling Units | Business Floor Space (m²) | Employment Capacity (EC) | Dwelling Unit Capacity |
| RDC | | | | | | | | | |
| NSCC | | | | | | | | | |
| WCC | | [| to be comple | eted once Rur | al Town Data | collected] | | | |
| ACC | | | | | | | | | |
| MCC | | | | | | | | | |
| PDC | | | | | | | | | |
| Metropolitan Total | | | | | | | | | |

 Table 25 Redevelopment Capacity on Business Land – Metropolitan Area – Centres

| Territorial Authority | Development as | s at 2006 | | Development Potential as at 2006 | | | Capacity Remaining as % of Potential | | |
|--------------------------|---------------------------------|--------------------|-------------------|---|------------------------------|-------------------|--------------------------------------|-----------------------------|------------------------------|
| · | Business Floor Space (m²) | Employment (EC) | Dwelling Units | Business Floor Space Potential (m²) | Employment Potential (EC) | Dwelling Units | Business Floor Space (m²) | Employment Capacity (EC) | Dwelling Unit Capacity |
| RDC | 113,635 | 2,810 | 43 | 591,621 | 14,592 | 759 | 81% | 81% | 94% |
| NSCC | 766,613 | 18,505 | 629 | 2,770,377 | 67,360 | 10,771 | 72% | 73% | 94% |
| WCC | 977,583 | 16,857 | 486 | 2,496,620 | 49,304 | 6,098 | 61% | 66% | 91% |
| ACC | 4,660,718 | 111,034 | 11,750 | 8,525,901 | 201,791 | 44,253 | 45% | 45% | 64% |
| MCC | 752,217 | 17,055 | 523 | 3,133,817 | 72,605 | 4,663 | 76% | 77% | 87% |
| PDC | 161,367 | 3,427 | 37 | 619,041 | 13,314 | 326 | 74% | 74% | 87% |
| Metropolitan Total | 7,432,133 | 169,688 | 13,468 | 18,137,376 | 418,965 | 66,870 | 59% | 59% | 75% |

 Table 26 Redevelopment Capacity on Business Land – Metropolitan Area – Non-Centres

| Territorial Authority | Development as at 2006 | | | Develop | Development Potential as at 2006 | | | Capacity Remaining as % of Potential | | |
|--------------------------|---------------------------------|--------------------|-------------------|--|----------------------------------|-------------------|---------------------------------|--------------------------------------|------------------------------|--|
| | Business Floor Space (m²) | Employment (EC) | Dwelling Units | Business Floor Space Potential (m²) | Employment Potential (EC) | Dwelling Units | Business Floor Space (m²) | Employment Capacity (EC) | Dwelling Unit Capacity | |
| RDC | 143,249 | 2,485 | 9 | 664,269 | 12,874 | 435 | 78% | 81% | 98% | |
| NSCC | 2,568,695 | 39,065 | 435 | 2,595,898 | 45,235 | 1,030 | 1% | 14% | 27% | |
| WCC | 849,797 | 11,557 | 90 | 1,225,190 | 16,518 | 634 | 31% | 30% | 83% | |
| ACC | 7,469,502 | 127,159 | 3893 | 16,402,410 | 279,682 | 14,626 | 54% | 55% | 64% | |
| MCC | 5,470,861 | 68,224 | 466 | 11,239,454 | 140,151 | 2,455 | 51% | 51% | 77% | |
| PDC | 700,679 | 8,947 | 143 | 1,420,525 | 18,037 | 368 | 51% | 50% | 36% | |
| Metropolitan Total | 17,202,784 | 257,437 | 5,036 | 33,547,746 | 512,497 | 19,546 | 49% | 50% | 65% | |

Table 27 Rural Capacity: Rural Townships and Coastal Settlements: Total Dwelling Capacity for Residential Development (Residential Infill-General) 2006 Policy [completion of table awaiting Rural Township and Coastal Settlements data capture due mid to late 2008]

Table 28 Rural Capacity: Rural Townships and Coastal Settlements: Total Dwelling Capacity for Residential Development (Residential Infill-Redevelopment) 2006 Policy [completion of table awaiting Rural Township and Coastal Settlements data capture due mid to late 2008]

Table 29 Rural Capacity: Rural General and Rural Countryside Living 2006 Policy

| | Countryside Living | | | | | | |
|-------|-----------------------------------|-------------------------------------|--------|--|--|--|--|
| | Vacant Sites with Potential | Occupied Sites with Potential | Total | | | | |
| RDC | 4,259 | 9,807 | 14,066 | | | | |
| NSCC | 328 | 82 | 410 | | | | |
| WCC | 727 | 844 | 1,571 | | | | |
| ACC | 398 | 18 | 416 | | | | |
| MCC | 657 | 267 | 924 | | | | |
| PDC | 144 | 226 | 370 | | | | |
| FDC | 1,124 | 914 | 2,038 | | | | |
| Total | 7,637 | 12,158 | 19,795 | | | | |

| G | General Rural | |
|-----------------------------------|-------------------------------------|-------|
| Vacant Sites with Potential | Occupied Sites with Potential | Total |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 0 | 0 | 0 |
| 118 | 231 | 349 |
| 148 | 231 | 379 |
| 120 | 51 | 171 |
| 89 | 94 | 183 |
| 475 | 607 | 1,082 |

| Ove | Overall Rural Area | | | | | | | | |
|-----------------------------------|-------------------------------------|--------|--|--|--|--|--|--|--|
| Vacant Sites with Potential | Occupied Sites with Potential | Total | | | | | | | |
| 4,259 | 9,807 | 14,066 | | | | | | | |
| 328 | 82 | 410 | | | | | | | |
| 727 | 844 | 1,571 | | | | | | | |
| 516 | 249 | 765 | | | | | | | |
| 805 | 498 | 1,303 | | | | | | | |
| 264 | 277 | 541 | | | | | | | |
| 1,213 | 1,008 | 2,221 | | | | | | | |
| 8,112 | 12,765 | 20,877 | | | | | | | |

Appendix B: Results 1996-2006

Table 30 Metropolitan Auckland: Dwelling Capacity on Vacant Residential Land, 1996, 2001 and 2006

| Territorial Authority | Vacant and Vacant Potential Capacity (dwelling units) 1996 | Vacant and Vacant Potential Capacity (dwelling units) 2001 | Vacant and Vacant Potential Capacity (dwelling units) 2006 | % Change 2001- 2006 | Structure Planned areas within current MUL | Capacity (dwelling units) 1996 | Capacity (dwelling units) 2001 | Capacity (dwelling units) 2006 | Total Vacant Land Capacity (dwelling units) 1996 | Total Vacant Land Capacity (dwelling units) 2001 | Total Vacant Land Capacity (dwelling units) 2006 | % Change 2001- 2006 |
|--------------------------|---|--|--|------------------------------|--|---|---|---|--|--|--|------------------------------|
| RDC | 3,589 | 3,268 | 2,396 | -27 | Gulf Harbour Silverdale North Orewa West | 2,913 1,209 221 | 2,587 3,380 1,744 | 1,965 2,137 2,797 | 7,932 | 10,979 | 9,295 | -15 |
| NSCC | 6,988 | 5,434 | 9,223 | 70 | Long Bay Albany Greenhithe | 2,294 3,564 3,503 | 1,809 3,275 3,389 | 1,600 Activezone Activezone | 16,349 | 13,907 | 10,823 | -22 |
| WCC | 12,747 | 8,537 | 6,615 | -23 | Birdwood Corbans Estate Babich Harbourview | 1,000 n/a n/a 500 | 55 120 n/a 500 | 928 0 1,050 Activezone | 14,247 | 9,212 | 8,593 | -7 |
| ACC | 5,101 | 6,218 | 4,458 | -28 | Stonefields (Mt Wgt Quarry) | n/a | n/a | 2,600 | 5,101 | 6,218 | 7,058 | 14 |
| MCC | 15,473 | 9,059 | 4,974 | -45 | Flat Bush | 9,525 | 7,785 | 12,920 | 24,998 | 16,844 | 17,894 | 6 |
| PDC | 2,059 | 1,643 | 1,132 | -31 | Hingaia Stage 1 Takanini 1A, 1B, 3 | n/a | n/a | 1,966 2,310 | 2,059 | 1,643 | 5,408 | 229 |
| Metropolitan Total | 45,957 | 34,159 | 28,798 | -16 | | 24,729 | 24,644 | 30,273 | 70,686 | 58,803 | 59,071 | 0.5 |

 Table 31 Metropolitan Auckland: Infill-General and Infill-Redevelopment Dwelling Capacity on Residential Land, 1996, 2001 and 2006

| Territorial Authority | Residential Infill General (dwelling units) 2001 | Residential Infill General (dwelling units) 2006 | Residential Infill Redevelopment (dwelling units) 2001 | Residential Infill Redevelopment (dwelling units) 2006 |
|--------------------------|---|---|---|---|
| RDC | 364 | 349 | 650 | 1,241 |
| NSCC | 5,414 | 2,907 | 15,400 | 12151 |
| WCC | 7,766 | 4,260 | 16,000 | 13,279 |
| ACC | 11,678 | 5,423 | 23,000 | 18,376 |
| MCC | 7,439 | 6,250 | 18,000 | 16,991 |
| PDC | 1,524 | 1,123 | 3,750 | 3,069 |
| Metropolitan Total | 34,185 | 20,312 | 76,800 | 65,107 |

Table 32 Metropolitan Auckland: Vacant Land for Business Development, 1996, 2001 and 2006

| Territorial Authority | Business zoned Vacant and Vacant Potential 1996 (ha) | Business zoned Vacant and Vacant Potential 2001 (ha) | Business zoned Vacant and Vacant Potential 2006 (ha) | Future Urban areas or Special zoned areas for business use | Area (hect ares) 1996 | Area (hectar es) 2001 | Area (hectares) 2006 | Total Vacant Land (hectares) 1996 | Total Vacant Land (hectares) 2001 | Total Vacant Land (hectares) 2006 |
|--------------------------|--|--|--|---|--------------------------------|--------------------------------|-------------------------------|---|---|---|
| RDC | 70 | 68 | 53 | Silverdale North (Special 19) | 6 | 14 | 84 | 76 | 82 | 137 |
| NSCC | 402 | 211 | 159 | Albany Sub Regional 38 38 A | | Active zone | 440 | 249 | 159 | |
| WCC | 201 | 117 | 102 | Cobans Estate Penfolds Harbourview Estate | 6 6 0 | | = | 254 | 123 | 102 |
| ACC | 308 | 201 | 109 | Stonefields (Mt Wellington Quarry) Three Kings Quarry | 96 | 96 | 3 Brownfield | 404 | 297 | 146 |
| MCC | 1,125 | 902 | 563 | Favona Road FUDZ Flat Bush Town Centre Wiri Quarry Ak Int Airport ⁴⁷ | 29 128 | 29 27 128 | 29 25 Brownfield 294 | 1,282 | 1,086 | 911 |
| PDC | 147 | 102 | 61 | Hingaia Town Centre Takanini Town Centre | | | 15 24 | 147 | 102 | 100 |
| Metropoli tan Total | 2,253 | 1,601 | 1,080 | | 222 | 210 | 474 | 2,603 | 1,939 | 1,554 |

⁴⁷ The 2008 study has included 294 hectares of vacant land within the Auckland International Airport designation. This land was not included in the earlier studies because it was outside the MUL. However, because the land is available for airport related commercial activities under the Airport designation (and is subject to an application to bring the area within the MUL) and because a range of commercial activities have set-up in the area, it has been included in the 2008 study

Appendix C: Background Information

Table 33 Metropolitan Auckland: Vacant Land Consumption Rates, 1996, 2001 and 2006

| | Business | Business | Business | Adjustments | Business | Consumption | Consumption | Consumption |
|-----------------------|------------|------------|------------|------------------------|--------------|--------------|--------------|--------------|
| | zoned | zoned | zoned | to 2006 totals | zoned Vacant | Rate | Rate | Rate |
| Territorial | Vacant and | Vacant and | Vacant and | | and Vacant | Hectares per | Hectares per | Hectares per |
| Authority | Vacant | Vacant | Vacant | | Potential | annum | annum | annum |
| Authority | Potential | Potential | Potential | | 2006 | 1996-01 | 2001-06 | 1996-2006 |
| | 1996 | 2001 | 2006 | | (ha) | (5-yrs) | (5-yrs) | (10-yrs) |
| | (ha) | (ha) | (ha) | | Adjusted | | | |
| RDC | 70 | 68 | 53 | | 53 | >1 | 3 | 2 |
| NSCC | 402 | 211 | 159 | Albany Special 28ha | 131 | 38 | 16 | 27 |
| WCC | 201 | 117 | 102 | | 102 | 17 | 3 | 10 |
| ACC | 308 | 201 | 143 | | 143 | 21 | 12 | 17 |
| MCC | 1,125 | 902 | 563 | | 563 | 45 | 68 | 56 |
| PDC | 147 | 102 | 61 | | 61 | 9 | 8 | 9 |
| Metropolitan Total | 2,253 | 1,601 | 1,080 | | 1,052 | 130 | 110 | 120 |

Table 34 Metropolitan Auckland: Brownfield and Vacant and Vacant Potential Land Results 2006

| | Business zoned | Business zoned | Brownfield land | Brownfield land (not | Brownfield Land |
|-----------------------|------------------|-------------------|---------------------|----------------------|-----------------|
| | Vacant and | Vacant, and | (previously defined | previously defined | Total 2006 |
| Territorial | Vacant Potential | Vacant Potential | as Vacant or Vacant | as Vacant or Vacant | (ha) |
| Authority | 2006 | 2006 | Potential | Potential) | |
| | (ha) | (ha) | 2006 | 2006 | |
| | (Pre-Brownfield) | (Post Brownfield) | (ha) | (ha) | |
| RDC | 53 | 50 | 3 | 7 | 9 |
| NSCC | 159 | 151 | 8 | 11 | 19 |
| WCC | 102 | 99 | 3 | 26 | 29 |
| ACC | 143 | 109 | 34 | 260 | 294 |
| MCC | 563 | 542 | 21 | 196 | 217 |
| PDC | 61 | 61 | 0 | 42 | 42 |
| Metropolitan Total | 1,080 | 1,012 | 69 | 542 | 611 |

Explanation: The Brownfield Land study has introduced a new measured of business land capacity to the Capacity for Growth 2008 study. The Brownfield Land study was commenced after the Vacant Business Land study was completed. This resulted in 69 hectares of land previously identified as vacant potential being identified as fitting the brownfield land criteria. The brownfield classification was maintained and the land removed from the vacant potential database (i.e. the summary tables and maps were updated to show the brownfield classification). However, in order to maintain the vacant land monitor (i.e. vacant land area changes over time 1996-2006) it has been necessary to record the situations where this overlap occurred. The table above summarises this situation.

Table 35 Location of New Dwellings Consented To, 2001-2006, Metropolitan Auckland

| Number of New Dwellings | Vacant Land | Residential | Business | Total |
|----------------------------|-------------|-------------|----------|-------|
| Consented to | | Infill | Land | |
| Rodney District | 1,497 | 1,024 | 3 | 2524 |
| North Shore City | 3,395 | 2,573 | 401 | 6369 |
| Waitakere City | 3,142 | 2,381 | 287 | 5810 |
| Auckland City | 1,954 | 5,459 | 10,774 | 18187 |
| Manukau City | 6,454 | 3,342 | 905 | 10701 |
| Papakura District | 1,016 | 154 | 6 | 1176 |
| Auckland Metropolitan Area | 17,458 | 14,933 | 12,376 | 44767 |
| Percentage of Dwellings | Vacant Land | Residential | Business | Total |
| Consented to | | Infill | Land | |
| Rodney District | 59% | 41% | 0% | 100% |
| North Shore City | 53% | 40% | 6% | 100% |
| Waitakere City | 54% | 41% | 5% | 100% |
| Auckland City | 11% | 30% | 59% | 100% |
| Manukau City | 60% | 31% | 8% | 100% |
| Papakura District | 86% | 13% | 1% | 100% |
| Auckland Metropolitan Area | 39% | 33% | 28% | 100% |

Chart 21 Location of New residential Dwellings Consented to, 2001-2006, by Territorial Authority

