

TUVALU

DRAFT

REPORT ON NATIONAL ACCOUNTS STATISTICS MISSION

June 16, to 28, 2011

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¹ Economic Statistician. Views expressed in this report are those of the author and not necessarily those of the Secretariat of Pacific Community or the Statistics for Development Programme.

BACKGROUND

- At the request of the Government Statistician, SPC undertook a national accounts mission to Tuvalu from June 16 to 28, 2010 with the purpose of updating the estimates for the year 2010. Prior to this mission, Tuvalu had preliminary estimates for its national accounts done by PFTAC in their last mission in October 2010.
- The mission consolidated on the previous TA activities undertaken by PFTAC in 2009 and 2010 that included rebasing national accounts and overall derivation of estimates for the later years up 2009. During the mission, focus was on updating the national accounts for 2010.
- There have been various developments in Tuvalu that will have some impact on the quality of national accounts. Tuvalu recently conducted a Household Income and Expenditure Survey (HIES) with support from SPC. Following the completion of HIES, Tuvalu rebased the CPI to a 2010 base. A population and housing census is scheduled to take place in 2012 with some preparatory work scheduled towards the end of this year. A consumption tax was introduced in 2009, with most of the collections beginning in 2010. Trendwise there is a break in a sales tax but nonetheless its reflected in other line items of the fiscal accounts.

Any element of doubt and substantial changes needs to be verified with the customs authorities.

- During the mission, some discussions were undertaken with the Customs Officials. This included clarifications on how the consumption tax was reflected in the fiscal accounts as well as the continuous reporting of sales tax in the accounts. Nonetheless, the consumption tax seems easily collectable and accurate given that it is taxed at the port or point of purchase for some selected goods and services.
- There are currently five personnel in the Central Statistics Office including the government statistician. While authorities have acknowledged on a number of occasions to have more staff, the situation is likely to remain the same. The Tuvalu Statistics Office will continually require external support in the compilation of economic statistics from various technical agencies that support economic statistics. This will also need to be combined with periodic training in economic statistics as well as staff attachments.
- Cooperation with data suppliers has been enhanced and generally, most of the information required was easily available. However, it appears that some of the data sources do lack expertise to make record statistics accurately. In the case of the Tuvalu National Provident Fund, the data appears to have serious quality questions for some establishments. More work is needed between the CSO and the TNPF. There is a wide variation in between the years and sometimes it is so difficult to make any sense of the TNPF data.

National Accounts Methods & Data Sources

- Tuvalu national accounts uses the production side. During the mission, no changes were made to methods of compilation. The focus was on simply updating the estimates in the workbooks without re-inventing the wheel. The focus of next missions would rather concentrate on rebasing the national accounts and incorporating the HIES 2010
- It is advisable that once the population and housing census is done, a rebase of the national accounts be undertaken. Given that the census would collect more comprehensive complementing the HIES 2010, a rebase would be more appropriate at this stage.
- Data for national accounts is generally readily accessible to CSD. It appears the relationships are generally cordial with most of data suppliers. However, the analytical capacity remains weak in the sense that the data comes in totally different frameworks. On the other hand some private businesses as well as out-island councils tend to provide their data quite late. In such situation, a recourse is to use taxation or national provident fund data.
- Financial statements for bigger corporations and some private businesses were readily available and used in the compilation of current prices. Where not available, the TNPFT contributions were used to make estimates of value added. However, TNPFT contributions have quality issues and in some cases rough corrective estimates were made to normalize the series.
- Tuvalu rebased the CPI in 2010. However in updating the current national accounts, estimates of the old series were made by applying annual inflation rates over the old series to generate a continuous old series of the CPI. The old CPI series, is frequently used across different compilation sheets and is saved in the “Agriculture” workbook.

NEXT STEPS

- Given the changes that have occurred in Tuvalu such as introduction of consumption tax, HIES 2010, CPI rebase and an impending Population and Housing Census, it remains imperative to rebase national accounts to a new year. A substantial change in methodology is not envisaged given the limited coverage of data.
- Support to the CSD personnel particularly in analytical skills for national accounts concepts is highly required. Specifically, this would enable the CSD to understand conceptual frameworks such as SNA 2008 and enable them extract relevant statistical information from final accounts. Generally, it would be advisable that whenever training programmes are designed, the practical aspect needs to be very strong.

ACKNOWLEDGEMENTS

The mission would like to acknowledge the support by the Central Statistics Division, the Customs Division and various authorities for the support given during this period.

Table 1: GDP in Current Prices (AUD '000)

		2003	2004	2005	2006	2007	2008	2009	2010
A	Agriculture, Forestry and Fishing	4,887	5,471	5,830	6,617	7,273	7,627	7,800	8,037
A.1	Crops	1,806	2,094	2,291	2,612	2,990	2,823	3,088	3,133
A.2	Animals	1,345	1,433	1,497	1,706	1,820	2,118	2,082	2,326
A.3	Forestry	-	-	-	-	-	-	-	-
A.4	Fishing	1,736	1,944	2,041	2,299	2,463	2,685	2,630	2,578
B	Mining and Quarrying	34	35	35	35	35	36	35	36
C	Manufacturing	344	277	236	270	251	380	363	381
D	Electricity, Gas and Water	178	461	512	311	524	17	C	C
E	Construction	2,465	2,132	1,517	2,011	2,768	5,579	4,679	4,218
F	Trade, Hotels and Restaurants	2,590	2,824	2,835	3,840	4,453	4,310	2,977	3,918
F.1	Trade	2,169	2,354	2,522	3,525	4,055	3,976	2,640	3,587
F.2	Hotels and Restaurants	421	470	314	315	398	334	338	330
G	Transport and Communications	2,250	2,848	2,187	1,833	1,758	1,471	1,657	2,171
G.1	Transport	1,114	1,317	1,137	1,059	1,235	1,304	1,377	1,469
G.2	Communications	1,136	1,531	1,050	774	523	167	280	702
H	Finance and Real Estate	5,018	4,650	4,412	4,846	4,855	5,556	5,704	5,634
H.1	Banks	2,801	2,362	2,072	2,251	2,138	2,928	2,980	2,818
H.2	Insurance and Other Financial Intermediar	171	189	259	294	330	342	346	369
H.3	Owner-occupied Dwellings	1,479	1,545	1,559	1,672	1,714	1,704	1,697	1,706
H.4	Other Real Estate	296	309	312	334	343	341	339	343
H.5	Business Services	272	245	210	296	330	241	342	399
I	Public Administration	4,748	4,870	4,921	5,113	5,035	5,419	5,863	6,139
J	Education	2,206	2,302	2,473	2,586	2,580	2,664	2,967	2,786
K	Health	1,324	1,502	1,483	1,501	1,589	1,540	1,521	1,855
L	Community and Personal Services	597	679	565	596	466	626	755	864
	less Bank Service Charge	1,595	1,526	1,120	953	849	1,064	1,275	1,347
	Taxes less Subsidies on Products	3,224	2,875	2,788	2,600	2,765	3,165	2,713	2,358
GDP		28,269	29,399	28,674	30,584	32,457	37,292	35,758	37,051

Informal Sector - Households	6,713	7,311	7,617	8,459	9,093	9,537	9,664	9,985
Agriculture - crops	1,666	1,932	2,113	2,409	2,758	2,604	2,855	2,875
Agriculture - animals	1,268	1,347	1,404	1,595	1,689	1,977	1,936	2,204
Fishing	1,395	1,562	1,641	1,847	1,979	2,157	2,113	2,112
Mining	34	35	35	35	35	36	35	36
Manufacturing - Handicrafts	239	232	201	219	223	358	341	352
Construction - Own Account	337	350	352	348	351	360	348	357
Owner-occupied Dwellings	1,479	1,545	1,559	1,672	1,714	1,704	1,697	1,706
Other Real Estate	296	309	312	334	343	341	339	343
NPISH	677	730	683	694	568	767	901	1,235
Education	128	108	134	56	50	72	86	86
Health	38	58	50	58	99	124	157	298
Community and Personal Services	511	564	498	580	419	571	659	851
Government - SOES	4,431	4,731	3,904	2,999	2,547	3,434	3,479	3,439
Government - non-market	9,474	10,024	9,903	10,169	10,164	10,590	11,219	11,906
Taxes on Products less Imputed Bank Serv	1,629	1,349	1,667	1,647	1,917	2,102	1,437	1,011
Private Market Sector	5,345	5,254	4,900	6,615	8,168	10,863	9,058	9,475

Note: Totals may not sum due to rounding.

C = Confidential - Electricity, Gas and Water has been included with Construction

Table 2: Current Price Growth Rates

		2004	2005	2006	2007	2008	2009	2010
A	Agriculture, Forestry and Fishing	1.119	1.066	1.135	1.099	1.049	1.023	1.030
A.1	Crops	1.160	1.094	1.140	1.145	0.944	1.094	1.015
A.2	Animals	1.065	1.045	1.140	1.067	1.164	0.983	1.117
A.3	Forestry							
A.4	Fishing	1.120	1.050	1.126	1.071	1.090	0.980	0.980
B	Mining and Quarrying	1.039	1.006	0.989	1.009	1.024	0.967	1.025
C	Manufacturing	0.803	0.855	1.142	0.931	1.512	0.957	1.048
D	Electricity, Gas and Water	2.589	1.112	0.608	1.682	0.033	C	C
E	Construction	0.865	0.712	1.326	1.377	2.016	0.841	0.902
F	Trade, Hotels and Restaurants	1.091	1.004	1.354	1.160	0.968	0.691	1.316
F.1	Trade	1.085	1.071	1.398	1.150	0.981	0.664	1.359
F.2	Hotels and Restaurants	1.118	0.667	1.004	1.264	0.839	1.011	0.978
G	Transport and Communications	1.266	0.768	0.838	0.959	0.837	1.126	1.310
G.1	Transport	1.182	0.863	0.932	1.166	1.055	1.056	1.067
G.2	Communications	1.349	0.685	0.737	0.676	0.320	1.670	2.510
H	Finance and Real Estate	0.927	0.949	1.098	1.002	1.144	1.027	0.988
H.1	Banks	0.843	0.877	1.086	0.950	1.369	1.018	0.946
H.2	Insurance and Other Financial Intermediaries	1.105	1.371	1.135	1.122	1.036	1.013	1.066
H.3	Owner-occupied Dwellings	1.045	1.009	1.072	1.026	0.994	0.996	1.005
H.4	Other Real Estate	1.045	1.009	1.072	1.026	0.994	0.996	1.010
H.5	Business Services	0.902	0.856	1.408	1.116	0.732	1.416	1.169
I	Public Administration	1.026	1.011	1.039	0.985	1.076	1.082	1.047
J	Education	1.044	1.075	1.046	0.998	1.032	1.114	0.939
K	Health	1.135	0.988	1.012	1.059	0.969	0.987	1.220
L	Community and Personal Services	1.138	0.831	1.056	0.781	1.343	1.205	1.146
	less Bank Service Charge	0.957	0.734	0.851	0.890	1.254	1.199	1.056
	Taxes less Subsidies on Products	0.892	0.970	0.933	1.064	1.145	0.857	0.869
	GDP	1.04	0.975	1.067	1.061	1.149	0.959	1.036
	Informal Sector - Households	1.089	1.042	1.111	1.075	1.049	1.013	1.033
	Agriculture - crops	1.160	1.094	1.140	1.145	0.944	1.096	1.007
	Agriculture - animals	1.062	1.042	1.136	1.059	1.170	0.979	1.139
	Fishing	1.120	1.050	1.126	1.071	1.090	0.980	1.000
	Mining	1.039	1.006	0.989	1.009	1.024	0.967	1.025
	Manufacturing - Handicrafts	0.969	0.869	1.087	1.021	1.603	0.951	1.034
	Construction - Own Account	1.039	1.006	0.989	1.009	1.024	0.967	1.025
	Owner-occupied Dwellings	1.045	1.009	1.072	1.026	0.994	0.996	1.005
	Other Real Estate	1.045	1.009	1.072	1.026	0.994	0.996	1.010
	NPISH	1.079	0.935	1.016	0.818	1.350	1.176	1.370
	Education	0.844	1.247	0.414	0.899	1.439	1.189	1.000
	Health	1.529	0.857	1.164	1.699	1.254	1.269	1.896
	Community and Personal Services	1.104	0.884	1.164	0.722	1.363	1.154	1.292
	Government - SOES	1.068	0.825	0.768	0.849	1.348	1.013	0.989
	Government - non-market	1.058	0.988	1.027	0.999	1.042	1.059	1.061
	Taxes on Products less Imputed Bank Service Charge	0.828	1.236	0.988	1.164	1.096	0.684	0.704
	Private Market Sector	0.983	0.933	1.350	1.235	1.330	0.834	1.046

C = Confidential - Electricity, Gas and Water has been included with Construction, Growth rates not rounded
 Note: Growth rates calculated on unrounded values.

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B	Mining and Quarrying	1.039	1.006	0.989	1.009	1.024	0.967	1.025
C	Manufacturing	0.803	0.855	1.142	0.931	1.512	0.957	1.048
D	Electricity, Gas and Water	2.589	1.112	0.608	1.682	0.033	C	C
E	Construction	0.865	0.712	1.326	1.377	2.016	0.841	0.902
F	Trade, Hotels and Restaurants	1.091	1.004	1.354	1.160	0.968	0.691	1.316
F.1	Trade	1.085	1.071	1.398	1.150	0.981	0.664	1.359
F.2	Hotels and Restaurants	1.118	0.667	1.004	1.264	0.839	1.011	0.978
G	Transport and Communications	1.266	0.768	0.838	0.959	0.837	1.126	1.310
G.1	Transport	1.182	0.863	0.932	1.166	1.055	1.056	1.067
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K	Health	1.135	0.988	1.012	1.059	0.969	0.987	1.220
L	Community and Personal Services	1.138	0.831	1.056	0.781	1.343	1.205	1.146
	less Bank Service Charge	0.957	0.734	0.851	0.890	1.254	1.199	1.056
	Taxes less Subsidies on Products	0.892	0.970	0.933	1.064	1.145	0.857	0.869
	GDP	1.04	0.975	1.067	1.061	1.149	0.959	1.036

Informal Sector - Households	1.089	1.042	1.111	1.075	1.049	1.013	1.033
Agriculture - crops	1.160	1.094	1.140	1.145	0.944	1.096	1.007
Agriculture - animals	1.062	1.042	1.136	1.059	1.170	0.979	1.139
Fishing	1.120	1.050	1.126	1.071	1.090	0.980	1.000
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Community and Personal Services	1.104	0.884	1.164	0.722	1.363	1.154	1.292
Government - SOES	1.068	0.825	0.768	0.849	1.348	1.013	0.989
Government - non-market	1.058	0.988	1.027	0.999	1.042	1.059	1.061
Taxes on Products less Imputed Bank Service C	0.828	1.236	0.988	1.164	1.096	0.684	0.704
Private Market Sector	0.983	0.933	1.350	1.235	1.330	0.834	1.046

C = Confidential - Electricity, Gas and Water has been included with Construction, Growth rates not rounded

Note: Growth rates calculated on unrounded values.

		2004	2005	2006	2007	2008	2009	2010
A	Agriculture, Forestry and Fishing	1.119	1.066	1.135	1.099	1.049	1.023	1.030
	A.1 Crops	1.160	1.094	1.140	1.145	0.944	1.094	1.015
	A.2 Animals	1.065	1.045	1.140	1.067	1.164	0.983	1.117
	A.3 Forestry							
	A.4 Fishing	1.120	1.050	1.126	1.071	1.090	0.980	0.980
B	Mining and Quarrying	1.039	1.006	0.989	1.009	1.024	0.967	1.025
C	Manufacturing	0.803	0.855	1.142	0.931	1.512	0.957	1.048
D	Electricity, Gas and Water	2.589	1.112	0.608	1.682	0.033	C	C
E	Construction	0.865	0.712	1.326	1.377	2.016	0.841	0.902
F	Trade, Hotels and Restaurants	1.091	1.004	1.354	1.160	0.968	0.691	1.316
	F.1 Trade	1.085	1.071	1.398	1.150	0.981	0.664	1.359
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G	Transport and Communications	1.266	0.768	0.838	0.959	0.837	1.126	1.310
	G.1 Transport	1.182	0.863	0.932	1.166	1.055	1.056	1.067
	G.2 Communications	1.349	0.685	0.737	0.676	0.320	1.670	2.510
H	Finance and Real Estate	0.927	0.949	1.098	1.002	1.144	1.027	0.988
	H.1 Banks	0.843	0.877	1.086	0.950	1.369	1.018	0.946
	H.2 Insurance and Other Financial Intermediar	1.105	1.371	1.135	1.122	1.036	1.013	1.066
	H.3 Owner-occupied Dwellings	1.045	1.009	1.072	1.026	0.994	0.996	1.005
	H.4 Other Real Estate	1.045	1.009	1.072	1.026	0.994	0.996	1.010
	H.5 Business Services	0.902	0.856	1.408	1.116	0.732	1.416	1.169
I	Public Administration	1.026	1.011	1.039	0.985	1.076	1.082	1.047
J	Education	1.044	1.075	1.046	0.998	1.032	1.114	0.939
K	Health	1.135	0.988	1.012	1.059	0.969	0.987	1.220
L	Community and Personal Services	1.138	0.831	1.056	0.781	1.343	1.205	1.146
	less Bank Service Charge	0.957	0.734	0.851	0.890	1.254	1.199	1.056
	Taxes less Subsidies on Products	0.892	0.970	0.933	1.064	1.145	0.857	0.869
	GDP	1.04	0.975	1.067	1.061	1.149	0.959	1.036

Informal Sector - Households	1.089	1.042	1.111	1.075	1.049	1.013	1.033
Agriculture - crops	1.160	1.094	1.140	1.145	0.944	1.096	1.007
Agriculture - animals	1.062	1.042	1.136	1.059	1.170	0.979	1.139
Fishing	1.120	1.050	1.126	1.071	1.090	0.980	1.000
Mining	1.039	1.006	0.989	1.009	1.024	0.967	1.025
Manufacturing - Handicrafts	0.969	0.869	1.087	1.021	1.603	0.951	1.034
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Owner-occupied Dwellings	1.045	1.009	1.072	1.026	0.994	0.996	1.005
Other Real Estate	1.045	1.009	1.072	1.026	0.994	0.996	1.010
NPISH	1.079	0.935	1.016	0.818	1.350	1.176	1.370
Education	0.844	1.247	0.414	0.899	1.439	1.189	1.000
Health	1.529	0.857	1.164	1.699	1.254	1.269	1.896
Community and Personal Services	1.104	0.884	1.164	0.722	1.363	1.154	1.292
Government - SOES	1.068	0.825	0.768	0.849	1.348	1.013	0.989
Government - non-market	1.058	0.988	1.027	0.999	1.042	1.059	1.061
Taxes on Products less Imputed Bank Serv	0.828	1.236	0.988	1.164	1.096	0.684	0.704
Private Market Sector	0.983	0.933	1.350	1.235	1.330	0.834	1.046

C = Confidential - Electricity, Gas and Water has been included with Construction, Growth rates not rounded

Note: Growth rates calculated on unrounded values.

Table 3: **GDP in Constant 2005 Prices (AUD '000)**

		2003	2004	2005	2006	2007	2008	2009	2010
A	Agriculture, Forestry and Fishing	5,530	5,779	5,830	6,252	6,412	6,374	6,420	6,563
A.1	Crops	2,173	2,271	2,291	2,457	2,520	2,505	2,567	2,494
A.2	Animals	1,420	1,484	1,497	1,606	1,647	1,637	1,630	1,848
A.3	Forestry	-	-	-	-	-	-	-	-
A.4	Fishing	1,937	2,023	2,041	2,189	2,245	2,232	2,223	2,222
B	Mining and Quarrying	35	35	35	35	35	35	35	35
C	Manufacturing	365	285	236	260	237	324	311	332
D	Electricity, Gas and Water	463	496	512	513	515	521	C	C
E	Construction	2,431	2,014	1,517	2,121	3,036	6,073	5,607	5,177
F	Trade, Hotels and Restaurants	2,763	2,856	2,835	2,695	3,194	2,984	3,084	3,528
F.1	Trade	2,299	2,436	2,522	2,430	2,912	2,621	2,700	3,107
F.2	Hotels and Restaurants	464	420	314	265	282	364	384	422
G	Transport and Communications	2,260	2,698	2,187	1,952	1,780	1,659	1,759	2,038
G.1	Transport	1,119	1,130	1,137	1,116	1,130	1,124	1,144	1,171
G.2	Communications	1,141	1,569	1,050	835	650	535	615	867
H	Finance and Real Estate	5,216	4,740	4,412	4,749	4,706	5,041	5,176	5,176
H.1	Banks	2,972	2,438	2,072	2,175	2,027	2,499	2,550	2,457
H.2	Insurance and Other Financial Intermediaries	182	195	259	283	311	292	296	322
H.3	Owner-occupied Dwellings	1,479	1,545	1,559	1,672	1,714	1,704	1,697	1,706
H.4	Other Real Estate	296	309	312	334	343	341	339	343
H.5	Business Services	288	253	210	285	311	206	292	348
I	Public Administration	4,938	4,891	4,921	4,979	4,960	5,292	5,371	5,081
J	Education	2,454	2,445	2,473	2,448	2,475	2,501	2,621	2,544
K	Health	1,474	1,494	1,483	1,489	1,526	1,669	1,710	1,764
L	Community and Personal Services	634	701	565	574	439	534	646	754
	less Bank Service Charge	1,693	1,575	1,120	918	800	908	1,092	1,174
	Taxes less Subsidies on Products	3,418	2,974	2,788	2,482	2,578	2,597	2,238	1,596
		-	-	-	-	-	-	-	-
	GDP	30,290	29,833	28,674	29,632	31,094	34,697	33,886	33,413
Informal Sector - Households		7,308	7,593	7,617	8,134	8,327	8,375	8,402	8,571
	Agriculture - crops	2,004	2,094	2,113	2,266	2,324	2,310	2,373	2,300
	Agriculture - animals	1,332	1,391	1,404	1,505	1,544	1,535	1,528	1,746
	Fishing	1,556	1,626	1,641	1,759	1,804	1,793	1,786	1,785
	Mining	35	35	35	35	35	35	35	35
	Manufacturing - Handicrafts	254	239	201	211	211	306	292	307
	Construction - Own Account	353	352	352	352	352	352	351	350
	Owner-occupied Dwellings	1,479	1,545	1,559	1,672	1,714	1,704	1,697	1,706
	Other Real Estate	296	309	312	334	343	341	339	343
		-	-	-	-	-	-	-	-
	NPISH	710	750	683	670	538	654	771	1,077
	Education	128	108	134	56	50	61	73	75
	Health	40	60	50	56	93	106	134	260
	Community and Personal Services	542	582	498	559	395	487	564	742
		-	-	-	-	-	-	-	-
	Government - SOES	4,918	4,814	3,904	3,806	3,472	3,930	3,998	4,175
	Government - non-market	9,919	9,873	9,903	9,992	9,981	10,486	10,579	10,308
		-	-	-	-	-	-	-	-
	Taxes on Products less Imputed Bank Service C	1,726	1,398	1,667	1,565	1,778	1,689	1,146	422
	Private Market Sector	5,709	5,404	4,900	5,465	6,999	9,562	8,990	8,860

Note: Totals may not sum due to rounding.

Table 4: Constant Price Growth Rates

		2004	2005	2006	2007	2008	2009	2010
A	Agriculture, Forestry and Fishing	1.045	1.009	1.072	1.026	0.994	1.007	1.022
	A.1 Crops	1.045	1.009	1.072	1.026	0.994	1.025	0.971
	A.2 Animals	1.045	1.009	1.072	1.026	0.994	0.996	1.134
	A.3 Forestry							
	A.4 Fishing	1.045	1.009	1.072	1.026	0.994	0.996	1.000
B	Mining and Quarrying	0.999	0.999	0.999	0.999	0.999	0.999	0.995
C	Manufacturing	0.781	0.828	1.099	0.911	1.369	0.960	1.067
D	Electricity, Gas and Water	1.071	1.033	1.002	1.004	1.012	C	C
E	Construction	0.829	0.753	1.398	1.431	2.000	0.850	0.923
F	Trade, Hotels and Restaurants	1.033	0.993	0.951	1.185	0.934	1.033	1.144
	F.1 Trade	1.059	1.035	0.964	1.198	0.900	1.030	1.151
	F.2 Hotels and Restaurants	0.905	0.746	0.844	1.067	1.289	1.056	1.097
G	Transport and Communications	1.194	0.810	0.893	0.912	0.932	1.061	1.158
	G.1 Transport	1.010	1.007	0.982	1.012	0.994	1.018	1.023
	G.2 Communications	1.375	0.669	0.796	0.778	0.824	1.150	1.410
H	Finance and Real Estate	0.909	0.931	1.076	0.991	1.071	1.027	1.000
	H.1 Banks	0.820	0.850	1.050	0.932	1.233	1.021	0.963
	H.2 Insurance and Other Financial Intermediaries	1.075	1.328	1.093	1.098	0.938	1.016	1.086
	H.3 Owner-occupied Dwellings	1.045	1.009	1.072	1.026	0.994	0.996	1.005
	H.4 Other Real Estate	1.045	1.009	1.072	1.026	0.994	0.996	1.010
	H.5 Business Services	0.878	0.830	1.356	1.092	0.662	1.420	1.191
I	Public Administration	0.991	1.006	1.012	0.996	1.067	1.015	0.946
J	Education	0.996	1.012	0.990	1.011	1.010	1.048	0.971
K	Health	1.013	0.993	1.004	1.025	1.094	1.024	1.031
L	Community and Personal Services	1.107	0.805	1.017	0.765	1.216	1.209	1.167
	less Bank Service Charge	0.931	0.711	0.819	0.871	1.135	1.202	1.076
	Taxes less Subsidies on Products	0.870	0.938	0.890	1.039	1.007	0.862	0.713
	GDP	0.985	0.961	1.033	1.049	1.116	0.977	0.986

Informal Sector - Households	1.039	1.003	1.068	1.024	1.006	1.003	1.020
Agriculture - crops	1.045	1.009	1.072	1.026	0.994	1.027	0.969
Agriculture - animals	1.045	1.009	1.072	1.026	0.994	0.996	1.143
Fishing	1.045	1.009	1.072	1.026	0.994	0.996	1.000
Mining	0.999	0.999	0.999	0.999	0.999	0.999	0.995
Manufacturing - Handicrafts	0.942	0.842	1.047	0.999	1.452	0.954	1.053
Construction - Own Account	0.999	0.999	0.999	0.999	0.999	0.999	0.995
Owner-occupied Dwellings	1.045	1.009	1.072	1.026	0.994	0.996	1.005
Other Real Estate	1.045	1.009	1.072	1.026	0.994	0.996	1.010
NPISH	1.056	0.910	0.982	0.803	1.216	1.179	1.396
Education	0.844	1.247	0.414	0.899	1.228	1.193	1.019
Health	1.487	0.830	1.121	1.663	1.135	1.273	1.931
Community and Personal Services	1.074	0.856	1.121	0.707	1.234	1.157	1.317
Government - SOES	0.979	0.811	0.975	0.912	1.132	1.017	1.044
Government - non-market	0.995	1.003	1.009	0.999	1.051	1.009	0.974
Taxes on Products less Imputed Bank Service C	0.810	1.192	0.938	1.137	0.950	0.679	0.368
Private Market Sector	0.947	0.907	1.115	1.281	1.366	0.940	0.985

Note: Growth rates calculated on unrounded values.

C = Confidential - Electricity, Gas and Water has been included with Construction

Table 5: Implicit Deflators

		2004	2005	2006	2007	2008	2009	2010
A	Agriculture, Forestry and Fishing	95	100	106	113	120	122	122
	A.1 Crops	92	100	106	119	113	120	126
	A.2 Animals	97	100	106	111	129	128	126
	A.3 Forestry							
	A.4 Fishing	96	100	105	110	120	118	116
B	Mining and Quarrying	99	100	99	100	102	99	102
C	Manufacturing	97	100	104	106	117	117	115
D	Electricity, Gas and Water	93	100	61	102	3	C	C
E	Construction	106	100	95	91	92	93	96
F	Trade, Hotels and Restaurants	99	100	142	139	144	97	111
	F.1 Trade	97	100	145	139	152	98	115
	F.2 Hotels and Restaurants	112	100	119	141	92	88	78
G	Transport and Communications	106	100	94	99	89	94	107
	G.1 Transport	117	100	95	109	116	120	125
	G.2 Communications	98	100	93	80	31	45	81
H	Finance and Real Estate	98	100	102	103	110	110	109
	H.1 Banks	97	100	103	105	117	117	115
	H.2 Insurance and Other Financial Intermediaries	97	100	104	106	117	117	115
	H.3 Owner-occupied Dwellings	100	100	100	100	100	100	100
	H.4 Other Real Estate	100	100	100	100	100	100	100
	H.5 Business Services	97	100	104	106	117	117	115
I	Public Administration	100	100	103	102	102	109	121
J	Education	94	100	106	104	107	113	110
K	Health	101	100	101	104	92	89	105
L	Community and Personal Services	97	100	104	106	117	117	115
	less Bank Service Charge	97	100	104	106	117	117	115
	Taxes less Subsidies on Products	97	100	105	107	122	121	148
	GDP	99	100	103	104	107	106	111
	Compared with CPI All Groups	97	100	104	106	117	117	115

Note: Implicit price deflators are calculated on unrounded values.

C = Confidential - IPD not included for Electricity, Gas and Water

Table 6: Implicit Deflators Growth Rates

		2004	2005	2006	2007	2008	2009
A	Agriculture, Forestry and Fishing	1.071	1.056	1.058	1.072	1.055	1.015
	A.1 Crops	1.110	1.084	1.063	1.116	0.950	1.067
	A.2 Animals	1.019	1.036	1.063	1.040	1.171	0.987
	A.3 Forestry						
	A.4 Fishing	1.072	1.041	1.050	1.045	1.097	0.984
B	Mining and Quarrying	1.040	1.006	0.989	1.010	1.025	0.968
C	Manufacturing	1.028	1.032	1.038	1.022	1.104	0.997
D	Electricity, Gas and Water	2.418	1.076 -	0.607	1.676	0.033	6.012
E	Construction	1.044	0.945	0.948	0.962	1.008	1.013
F	Trade, Hotels and Restaurants	1.055	1.011	1.425	0.978	1.036	0.668
	F.1 Trade	1.024	1.035	1.451	0.960	1.089	0.644
	F.2 Hotels and Restaurants	1.235	0.894	1.190	1.185	0.651	0.957
G	Transport and Communications	1.060	0.947	0.939	1.052	0.898	1.062
	G.1 Transport	1.171	0.858	0.949	1.152	1.061	1.037
	G.2 Communications	0.981	1.025	0.926	0.869	0.389	1.453
H	Finance and Real Estate	1.020	1.019	1.021	1.011	1.068	1.000
	H.1 Banks	1.028	1.032	1.035	1.019	1.111	0.997
	H.2 Insurance and Other Financial Intermediaries	1.028	1.032	1.038	1.022	1.104	0.997
	H.3 Owner-occupied Dwellings	1.000	1.000	1.000	1.000	1.000	1.000
	H.4 Other Real Estate	1.000	1.000	1.000	1.000	1.000	1.000
	H.5 Business Services						
I	Public Administration	1.036	1.004	1.027	0.988	1.009	1.066
J	Education	1.047	1.062	1.056	0.987	1.022	1.063
K	Health	1.120	0.994	1.007	1.033	0.886	0.964
L	Community and Personal Services	1.028	1.032	1.038	1.022	1.104	0.997
	less Bank Service Charge	1.028	1.032	1.038	1.022	1.104	0.997
	Taxes less Subsidies on Products	1.025	1.034	1.047	1.024	1.136	0.994
	GDP	1.056	1.015	1.032	1.011	1.030	0.982
	Compared with CPI All Groups	1.028	1.032	1.038	1.022	1.104	0.997

Note: Growth rates calculated on unrounded values.

C = Confidential - IPD not included for Electricity, Gas and Water

Table 3: GDP in 2005 Constant Prices (AUD '000)

		2003	2004	2005	2006	2007	2008	2009	2010
A	Agriculture, Forestry and Fishing	5,530	5,779	5,830	6,252	6,412	6,374	6,420	6,563
A.1	Crops	2,173	2,271	2,291	2,457	2,520	2,505	2,567	2,494
A.2	Animals	1,420	1,484	1,497	1,606	1,647	1,637	1,630	1,848
A.3	Forestry	-	-	-	-	-	-	-	-
A.4	Fishing	1,937	2,023	2,041	2,189	2,245	2,232	2,223	2,222
B	Mining and Quarrying	35	35	35	35	35	35	35	35
C	Manufacturing	365	285	236	260	237	324	311	332
D	Electricity, Gas and Water	463	496	512	513	515	521	C	C
E	Construction	2,431	2,014	1,517	2,121	3,036	6,073	5,607	5,177
F	Trade, Hotels and Restaurants	2,763	2,856	2,835	2,695	3,194	2,984	3,084	3,528
F.1	Trade	2,299	2,436	2,522	2,430	2,912	2,621	2,700	3,107
F.2	Hotels and Restaurants	464	420	314	265	282	364	384	422
G	Transport and Communications	2,260	2,698	2,187	1,952	1,780	1,659	1,759	2,038
G.1	Transport	1,119	1,130	1,137	1,116	1,130	1,124	1,144	1,171
G.2	Communications	1,141	1,569	1,050	835	650	535	615	867
H	Finance and Real Estate	5,216	4,740	4,412	4,749	4,706	5,041	5,176	5,176
H.1	Banks	2,972	2,438	2,072	2,175	2,027	2,499	2,550	2,457
H.2	Insurance and Other Financial Interme	182	195	259	283	311	292	296	322
H.3	Owner-occupied Dwellings	1,479	1,545	1,559	1,672	1,714	1,704	1,697	1,706
H.4	Other Real Estate	296	309	312	334	343	341	339	343
H.5	Business Services	288	253	210	285	311	206	292	348
I	Public Administration	4,938	4,891	4,921	4,979	4,960	5,292	5,371	5,081
J	Education	2,454	2,445	2,473	2,448	2,475	2,501	2,621	2,544
K	Health	1,474	1,494	1,483	1,489	1,526	1,669	1,710	1,764
L	Community and Personal Services	634	701	565	574	439	534	646	754
	less Bank Service Charge	1,693	1,575	1,120	918	800	908	1,092	1,174
	Taxes less Subsidies on Products	3,418	2,974	2,788	2,482	2,578	2,597	2,238	1,596
		-	-	-	-	-	-	-	-
GDP		30,290	29,833	28,674	29,632	31,094	34,697	33,886	33,413

Informal Sector - Households	7,308	7,593	7,617	8,134	8,327	8,375	8,402	8,571
Agriculture - crops	2,004	2,094	2,113	2,266	2,324	2,310	2,373	2,300
Agriculture - animals	1,332	1,391	1,404	1,505	1,544	1,535	1,528	1,746
Fishing	1,556	1,626	1,641	1,759	1,804	1,793	1,786	1,785
Mining	35	35	35	35	35	35	35	35
Manufacturing - Handicrafts	254	239	201	211	211	306	292	307
Construction - Own Account	353	352	352	352	352	352	351	350
Owner-occupied Dwellings	1,479	1,545	1,559	1,672	1,714	1,704	1,697	1,706
Other Real Estate	296	309	312	334	343	341	339	343
	-	-	-	-	-	-	-	-
NPISH	710	750	683	670	538	654	771	1,077
Education	128	108	134	56	50	61	73	75
Health	40	60	50	56	93	106	134	260
Community and Personal Services	542	582	498	559	395	487	564	742
	-	-	-	-	-	-	-	-
Government - SOES	4,918	4,814	3,904	3,806	3,472	3,930	3,998	4,175
Government - non-market	9,919	9,873	9,903	9,992	9,981	10,486	10,579	10,308
	-	-	-	-	-	-	-	-
Taxes on Products less Imputed Bank!	1,726	1,398	1,667	1,565	1,778	1,689	1,146	422
Private Market Sector	5,709	5,404	4,900	5,465	6,999	9,562	8,990	8,860

