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## US Debt Investor Update

Australia and New Zealand Banking Group Limited

December 2008

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- **ANZ – overview & strategy**
- **Australian & NZ economic overview**
- **Government Guarantee**
- **Capital, Funding & Liquidity**
- **2008 FY Results summary**
- **Conclusion**
- **Appendices**



- Proud banking heritage spanning 170 years
- A top 10 listed company on the ASX (market cap ~A\$36b), with 376,813 shareholders
- Largest listed company in NZ, largest Australian bank in Asia and a leading bank in the Pacific
- One of only 14 AA rated banks in the world
- Well capitalised with a strong liquidity position
- Over 250 years of banking experience on our management board
- 36,925 staff

# We are actively managing for new reality: Balance sheet, capital, lower risk



## Balance Sheet

- Collective provisions set above 1% of credit RWA's

## Capital – Tier One 8.1%\*

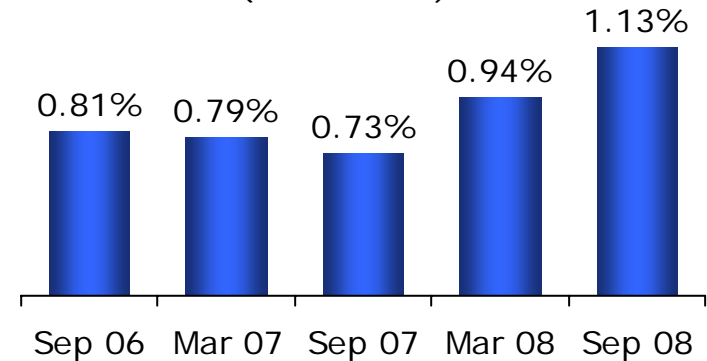
- Proactive in raising capital
- Increased liquidity

## Company Structure – “One ANZ”

- Driving efficiency improvements
- Flatter more responsive structure
- Specific re-engineering of Institutional
- Led by highly experienced team

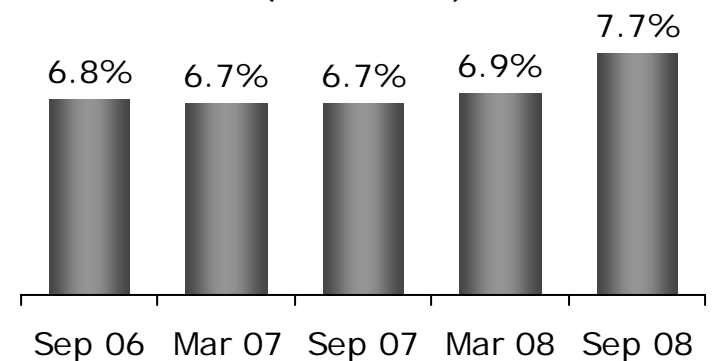
## Strengthened collective provision balance

(CP/CRWA#)



## Strengthened capital position

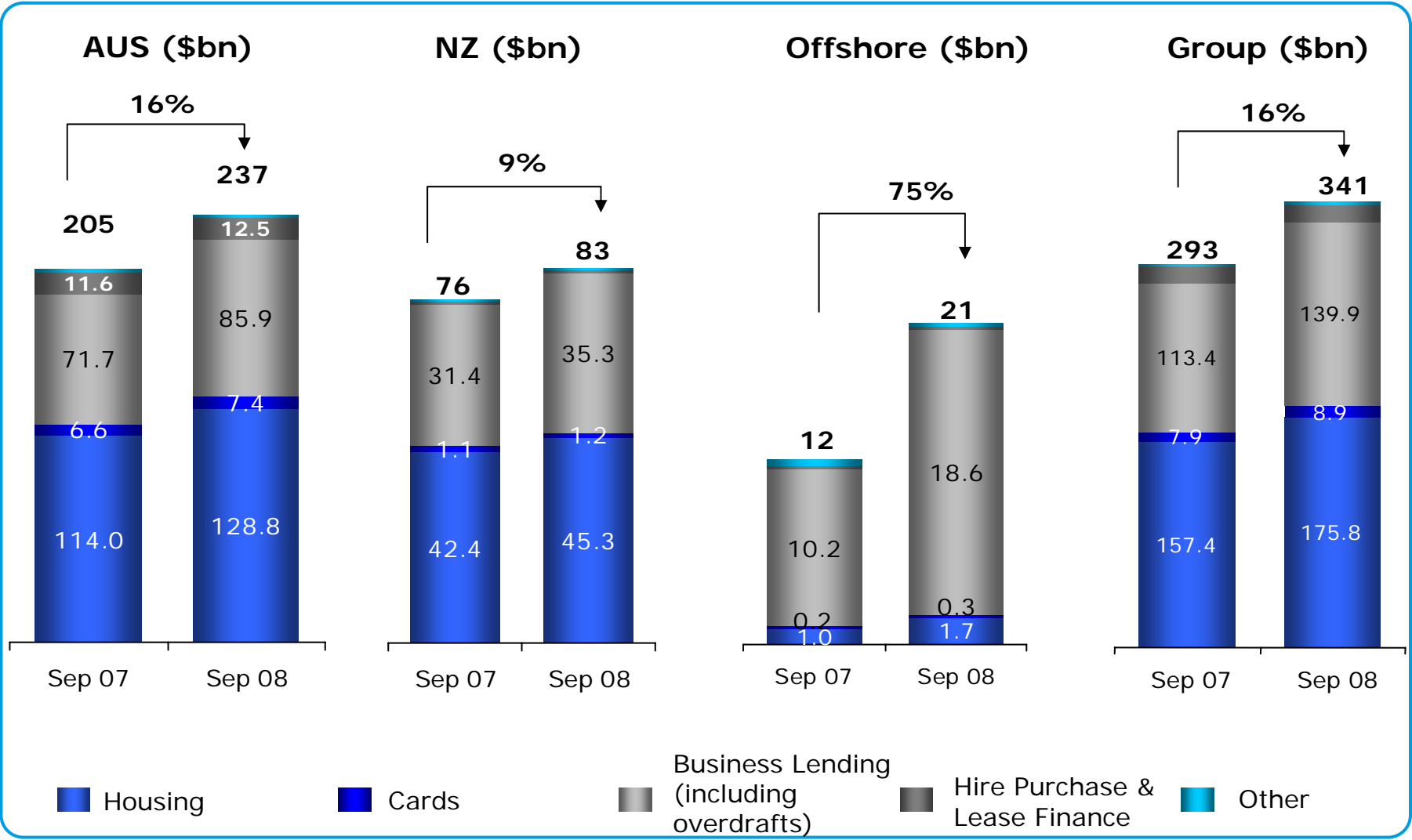
(Tier 1 ratio)



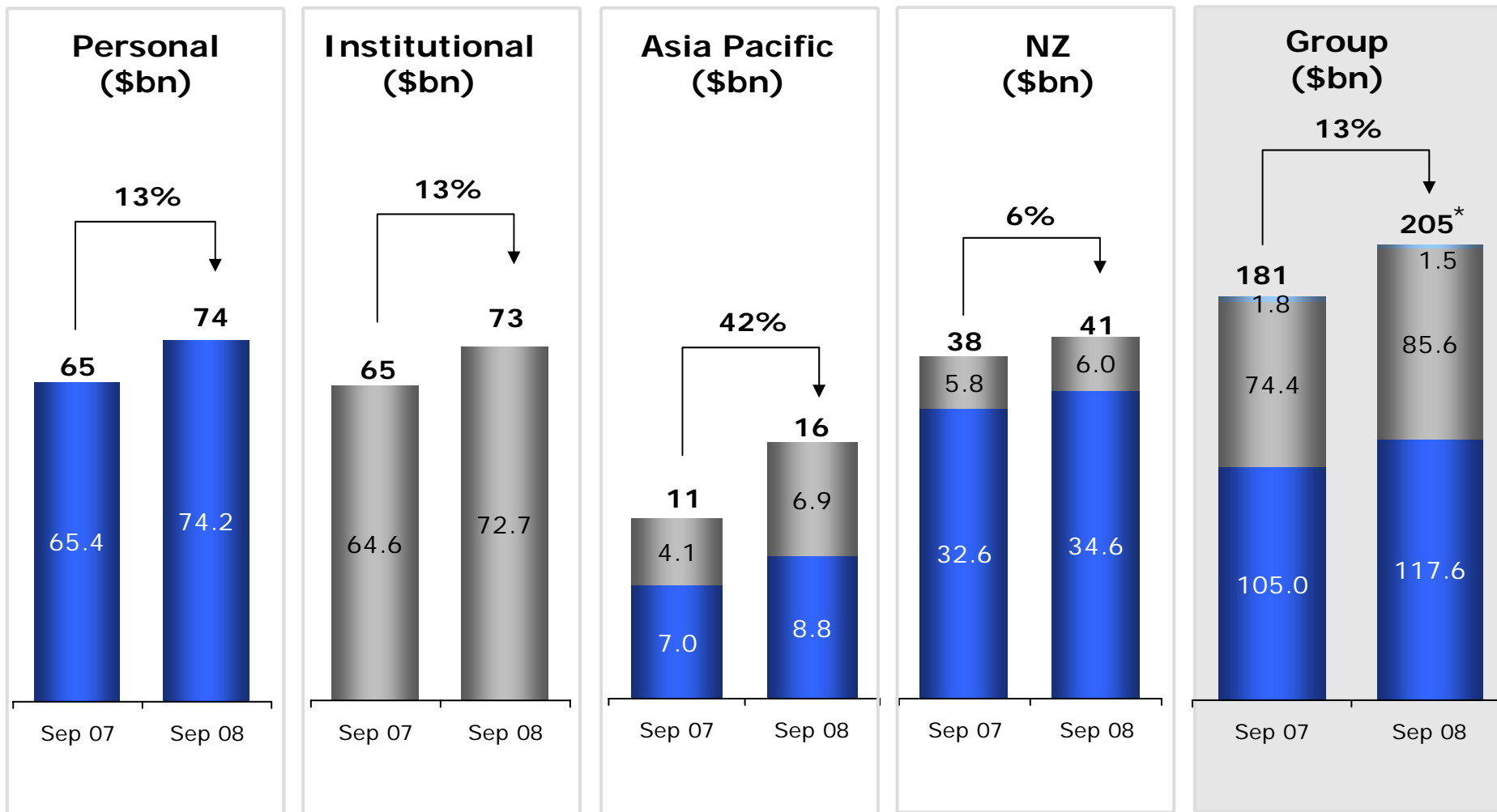
#2008 Risk Weighted Assets calculated using Basel II methodology; prior period numbers reflect Basel I methodology

\*Adjusted tier 1 proforma includes DRP underwrite

# Composition of Net Loans & Advances



# Customer deposits by business line



Non-commercial / Non-Institutional



Commercial / Institutional



Group Centre

\* Reconciling item between Group and sum of divisions is Group Centre

\* Institutional does not include Asia Pacific Institutional

# Group strategy - Our journey to become a Super Regional Bank



## TRANSFORM

### OUT PERFORM

#### RESTORE

- Institutional back to system
- Restore “jaws” – increase revenue faster than costs
- Drive Asia profit
- Capture existing opportunities
- Strategic cost management

1 to 2 years

- Quality on par with global leaders in our markets
- Best of breed customer experience
- In-fill mergers and acquisitions in Asia (core geographies)
- Unlock the value of our franchise

2 to 5 years

Create  
a leading Super  
Regional bank

Global quality,  
regional focus

5+ years

Group strategy launched December 2007





## Where our profits will come from ...

High Asian growth will result in more balanced geographic contribution as we seek to double our profit over 5 years

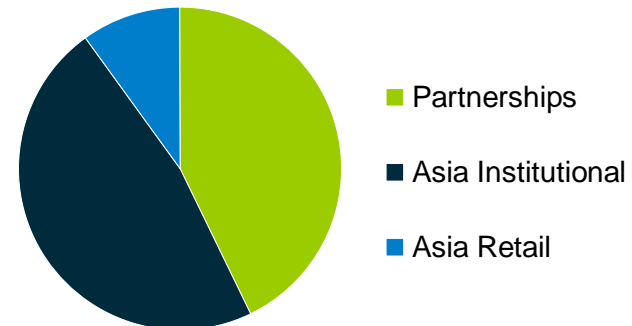


### What will drive domestic growth

- **Personal** – great track record, opportunity to deepen customer relationships
- **Institutional** – getting back in the game
- **New Zealand** – strong position, but can further grow share and exploit cost synergies

### What will drive Asian growth

- Main focus on **organic growth** supplemented with in-fill mergers and acquisitions



# Focused approach to Super Regional Strategy



- Strategic Imperative**  
Top 4 foreign bank
  - Greater China, India
- Franchise Significant**  
Major bank (top 4)
  - Vietnam, Malaysia, Indonesia
- Network Enhancement**  
Network clients, product and liquidity hubs
  - Singapore, Tokyo, Hong Kong
- Next Wave**  
Hold position in short-term
  - Indochina: Cambodia, Laos
  - Philippines, Korea, Thailand



# AUSTRALIA & NZ ECONOMIC OVERVIEW

# Summary of forecasts: Australia & NZ



## Australia

## New Zealand

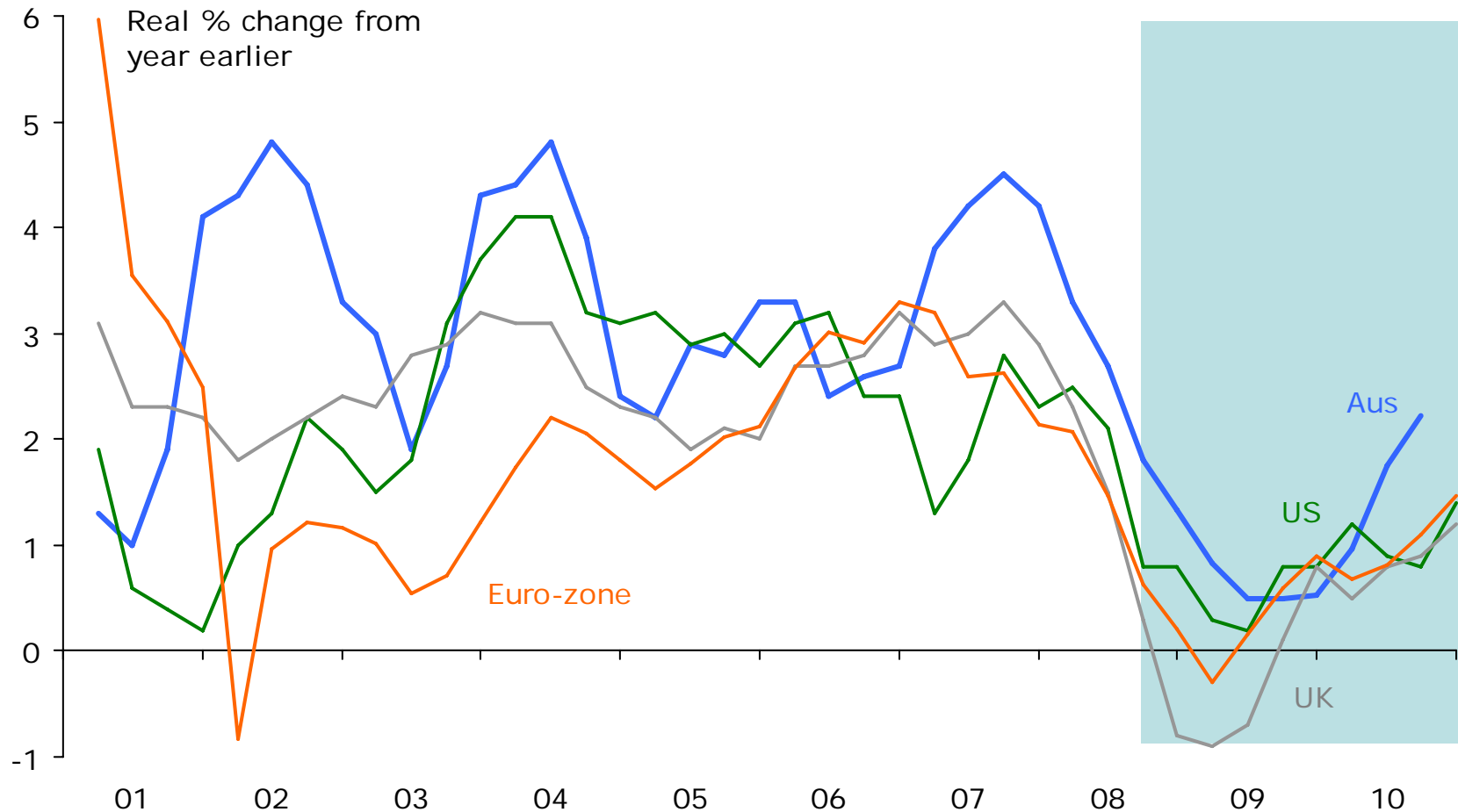
	2007	2008	2009	2010		2007	2008	2009	2010
<b>GDP</b> (year average)	4.5	3.0	0.8	1.4		2.9	1.7	-0.6	1.4
<b>Inflation</b> (year average)	1.9	4.2	3.9	2.7		1.8	3.9	2.6	3.0
<b>Unemployment</b>	4.3	4.2	5.7	6.5		3.5	4.2	5.8	6.5
<b>Current A/C</b> (% GDP year average)	-6.1	-5.4	-4.2	-6.0		-8.7	-8.4	-7.0	-6.8
<b>Cash rate</b>	6.5	7.0	4.0	3.5		8.25	7.5	4.0	5.3
<b>10 year bonds</b>	6.2	5.4	4.6	5.5		6.3	5.7	5.0	5.8
<b>AUD/USD</b>	0.88	0.79	0.56	0.58					
<b>AUD/NZD</b>	1.17	1.18	1.12	1.18					
<b>Credit</b> (YoY % change)	15.4	10.1	5.4	6.3		14.0	10.0	4.0	5.8
- Housing	11.5	9.2	6.4	8.3		13.7	7.1	3.5	6.0
- Business	22.0	12.9	5.2	3.9		15.4	13.4	4.7	5.8
- Other	11.7	2.5	0.3	4.5		4.8	4.5	3.0	4.0

ANZ forecasts as at 24/11/08. Figures are as at end of September (Bank financial year) unless otherwise noted.

# The Australian economy will slow, but it should avoid recession.



## Real GDP



As at 25/11/08

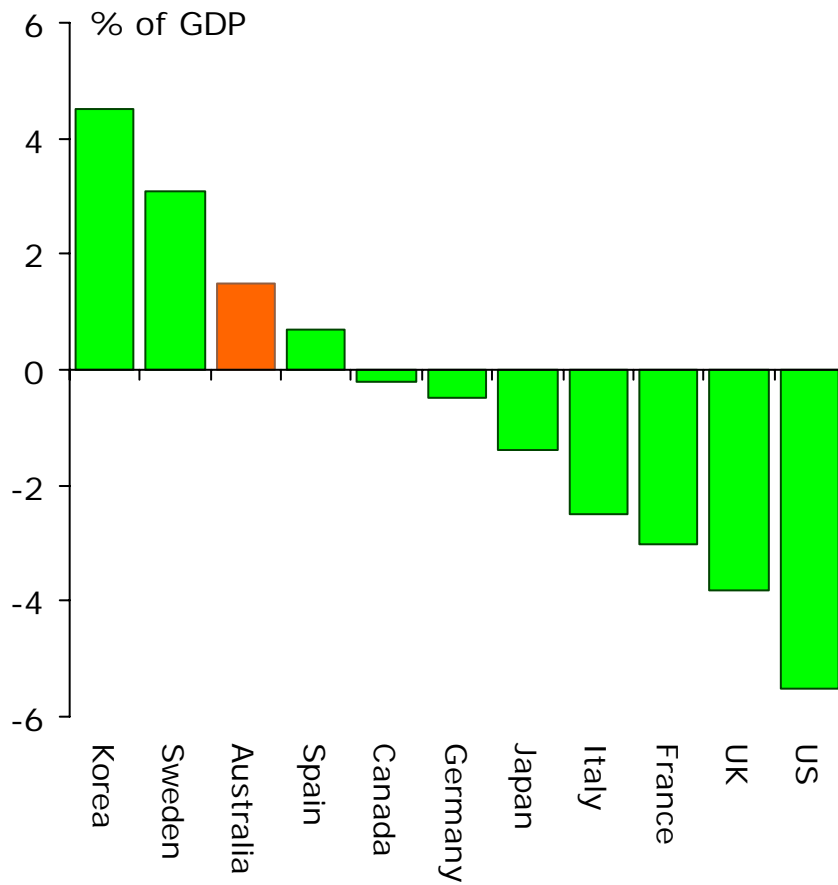
Sources: Australian Bureau of Statistics; ANZ.

# Australia is well placed to use fiscal and monetary policy to avoid a recession



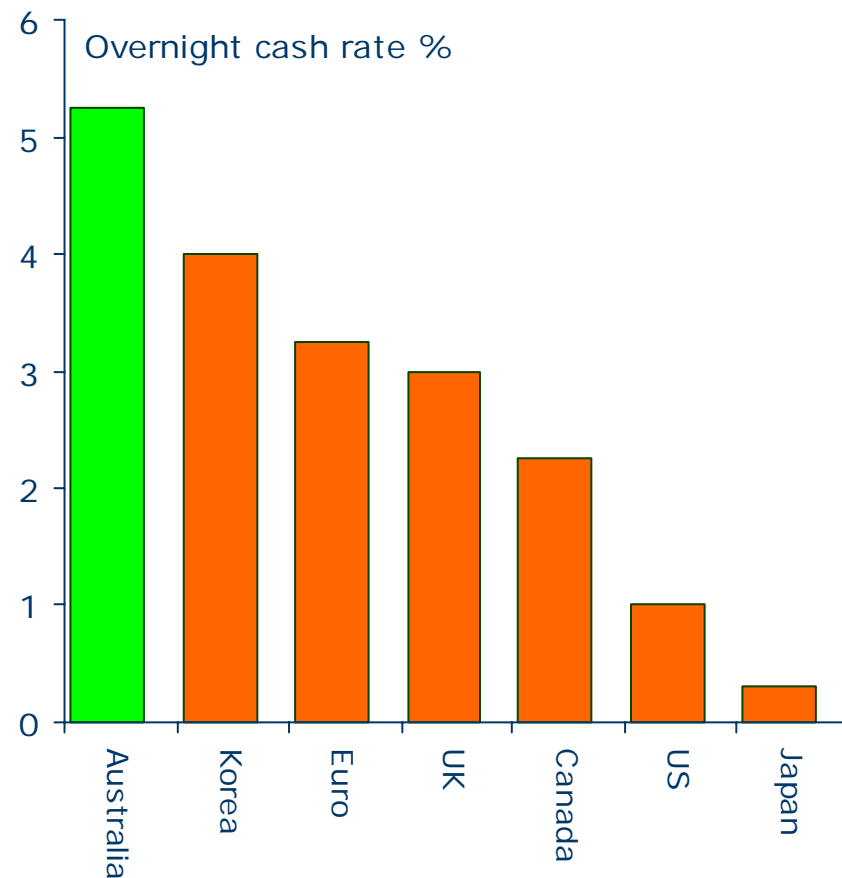
## Fiscal

### Budget surplus/deficit, 2008



## Monetary

### Official central bank rates

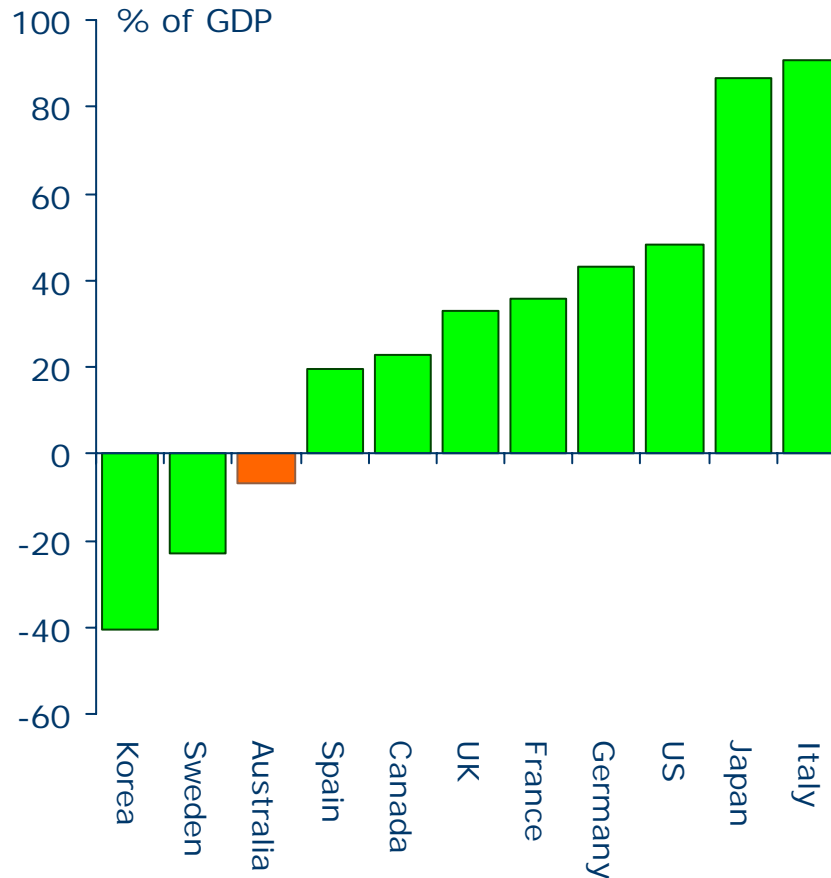


Note: data shown are for the 'general government' sector, ie including State and local governments but excluding government business enterprises. Source: OECD, *Economic Outlook* 83, June 2008,

# The Australian Commonwealth Government has low levels of net debt.



Government net debt, 2008

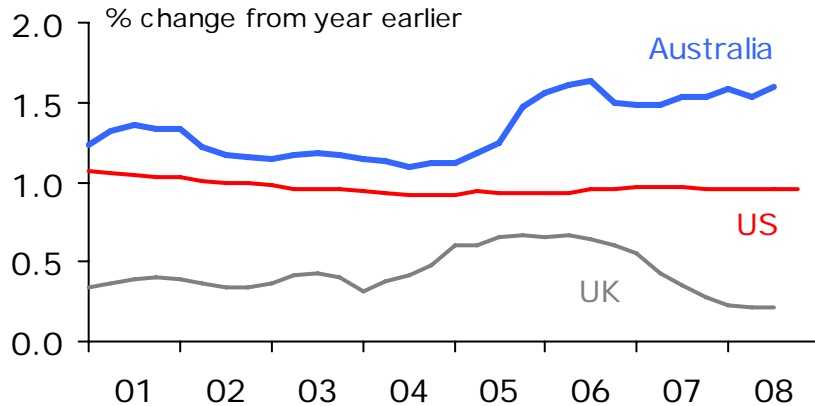


*Note:* data shown are for the 'general government' sector, ie including State and local governments but excluding government business enterprises. *Source:* OECD, *Economic Outlook* 83, June 2008,

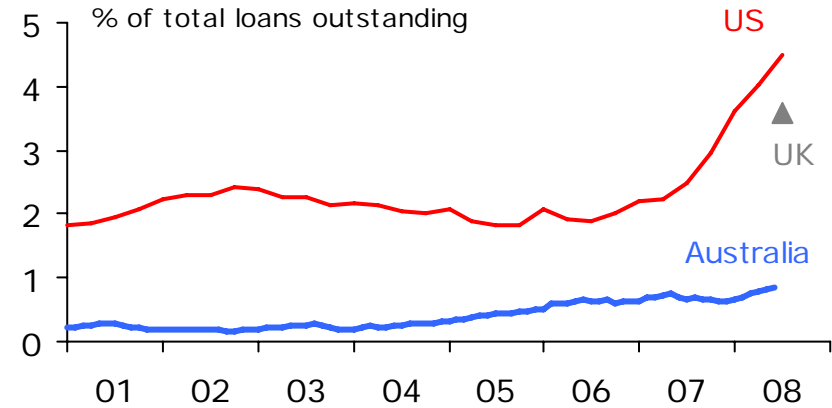
# Australia's housing market has softened but is still relatively well placed



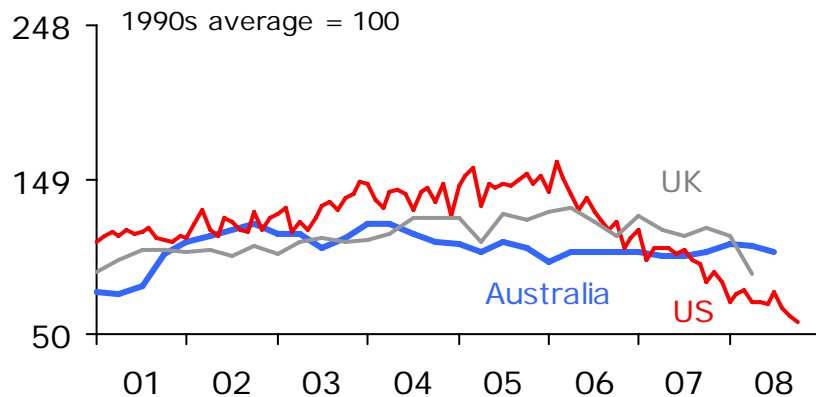
## Population growth



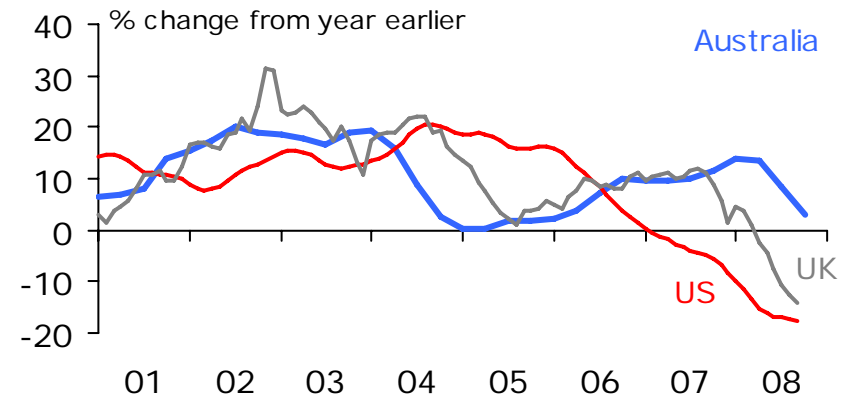
## Mortgage delinquency rates\*



## Housing commencements



## House prices



\* 90 days or more past due. For Australia, securitized mortgages only (including on-balance sheet mortgages would result in a lower figure). Sources: ABS; US Commerce Department; S&P; Mortgage Bankers' Association of America.

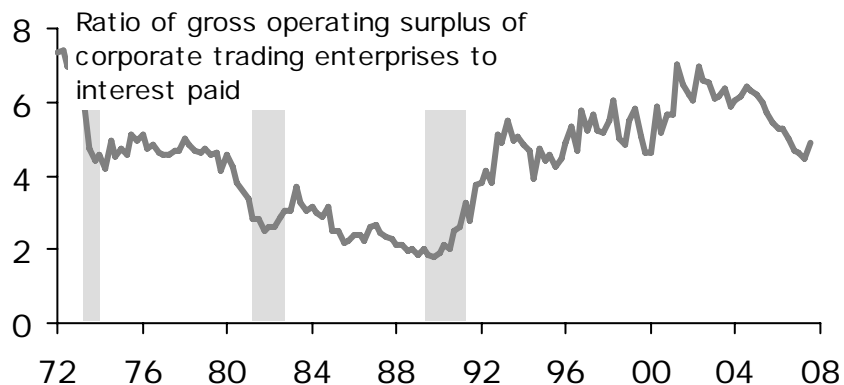


# The Australian corporate sector was also in reasonable shape as we entered the global downturn.....

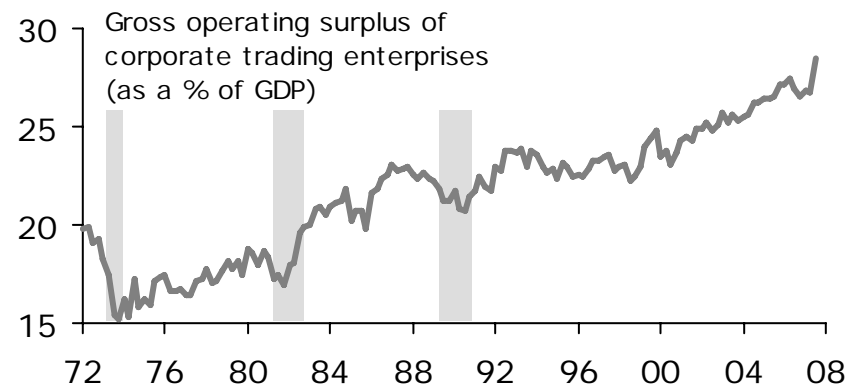


## Australian non-financial corporate sector finances

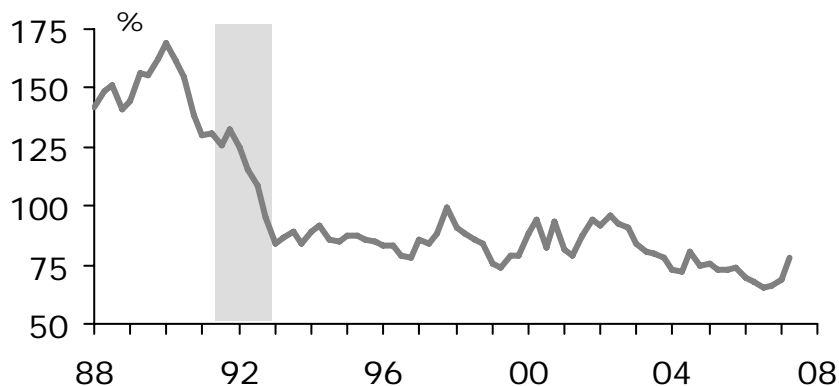
### Interest cover ratio



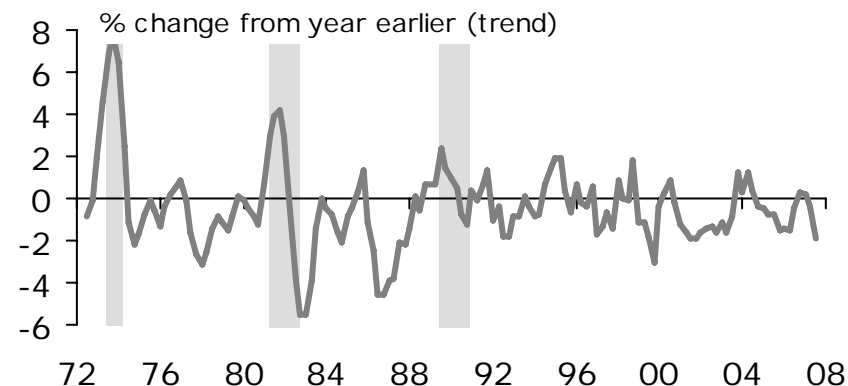
### 'Profit share' of national income



### Debt-equity ratio



### Real unit labour costs



Note: Shaded areas denoted recessions.

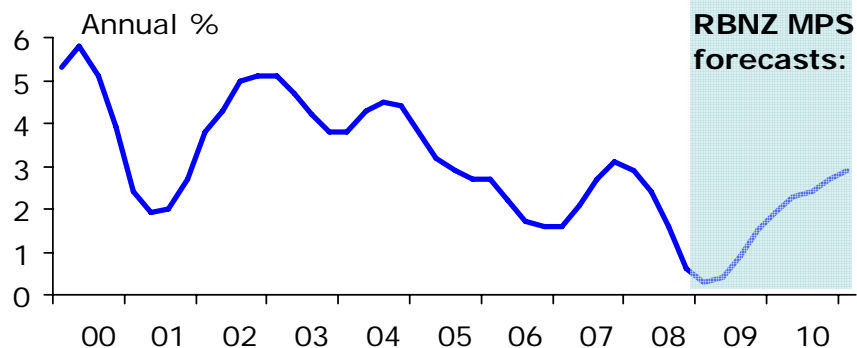
Sources: Australian Bureau of Statistics; Reserve Bank of Australia; ANZ.

# The New Zealand business has weathered a challenging environment this year



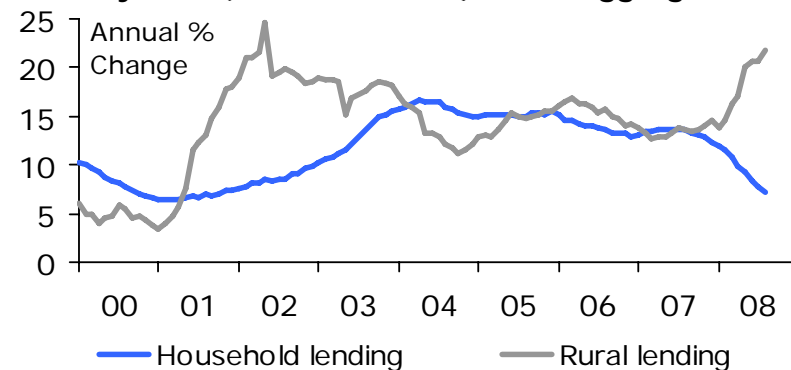
## The economy is clearly in a downturn

RBNZ Monetary Policy Statements<sup>1</sup>



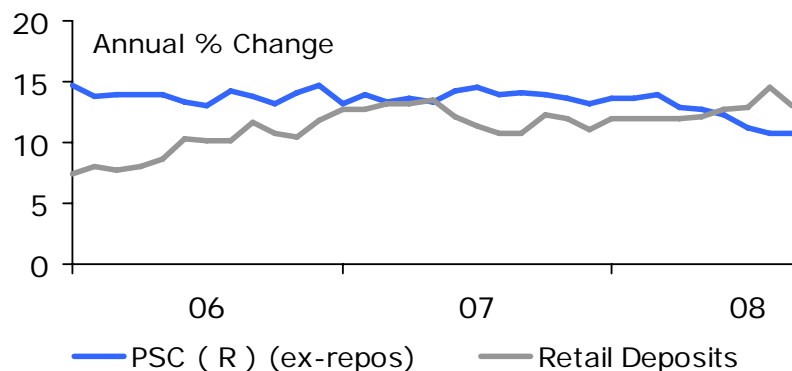
## ...leading to a 2 tier economy favouring some businesses more than others

System (banks & NBFI's) credit aggregates<sup>2</sup>



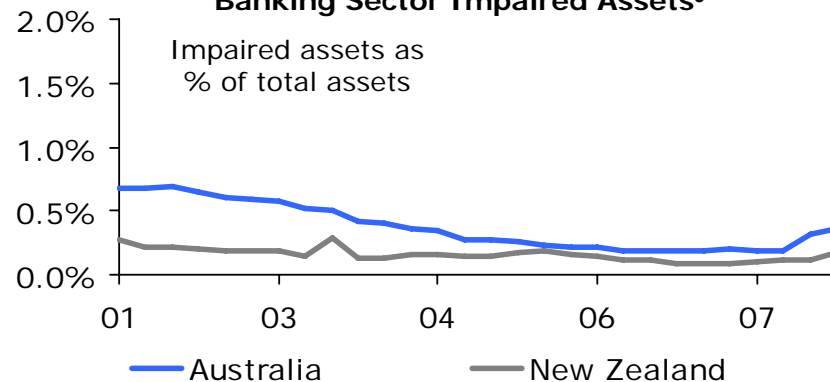
## Focus has switched to deposits

Private Sector Credit (Resident, ex-repos) and Retail (non-wholesale) Funding<sup>1</sup>



## Credit quality showing signs of deterioration

Banking Sector Impaired Assets<sup>3</sup>





## GOVERNMENT GUARANTEE



## Deposit Guarantee :

- Available for a period of 3 years, applying to deposits denominated in any currency.
- No cost for accounts holding less than \$1m. For accounts holding in excess of \$1m, a fee applies.

## Wholesale Funding Guarantee :

- Available until “market conditions have normalised”.
- Applies to senior unsecured vanilla debt securities for a maximum tenor of 5 years.
- Guarantee is irrevocable & unconditional.
- Australian Government will pay on demand in a timely manner.
- Expected to be AAA / Aaa rated by S&P and Moodys
- APRA risk weighting is 0% (same as Government exposures) confirmed 24/11/08.
- Certificates of deposit and bank bills will be covered under the WFG (not the DG).
- Visit the website for further details : [www.guaranteescheme.gov.au](http://www.guaranteescheme.gov.au)

## Fee Structure :

Credit Rating	Debt Issues Up to 60 Months
AA	70bp
A	100bp
BBB and Unrated	150bp



# CAPITAL, FUNDING AND LIQUIDITY

# ANZ capital position strengthened - compares favourably with UK FSA and Canadian OSFI regulation



	Sep 07	Mar 08	Sep 08	Sep 08**	ANZ FSA	ANZ OSFI
	Basel II	Basel II	Basel II	pro forma	Basel II	Basel II
<b>Core Tier 1*</b>	<b>5.2%</b>	<b>5.3%</b>	<b>5.9%</b>	<b>6.3%</b>	<b>8.0%</b>	<b>8.7%</b>
<b>Tier 1</b>	<b>6.9%</b>	<b>6.8%</b>	<b>7.7%</b>	<b>8.1%</b>	<b>10.0%</b>	<b>10.7%</b>
<b>Total Capital</b>	<b>10.3%</b>	<b>10.1%</b>	<b>11.1%</b>	<b>11.5%</b>	<b>~13.0%</b>	<b>~13.0%</b>

## Capital Position strengthened:

- FY08 Basel II Tier-1 ratio (+86bps)
- Underwrite of 2 dividends (+63bps)
- Issuance of Tier 1 hybrids (+63bps)
- Converting ANZ StEPS to ordinary equity
- New Tier 1 minimum target of 7% established
- Proposed underwrite of Final 08 dividend (+38bps)

Capital ratios stronger under FSA & OFSI equivalent basis

## Capital Management Agenda:

- Continue to strengthen capital profile including building capital buffer
- Increased modelling of different economic scenarios on capital ratios
- Focus on risk/rewards within Basel II environment

\* 'Core Tier 1' = Tier 1 excluding hybrid Tier 1 instruments

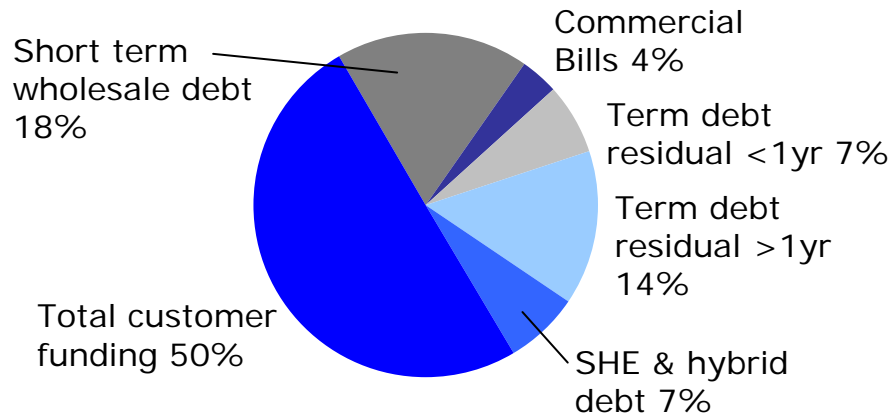
\*\* Includes DRP underwriting

# Well placed to manage 2009 - conservative funding strategy and strong liquidity position

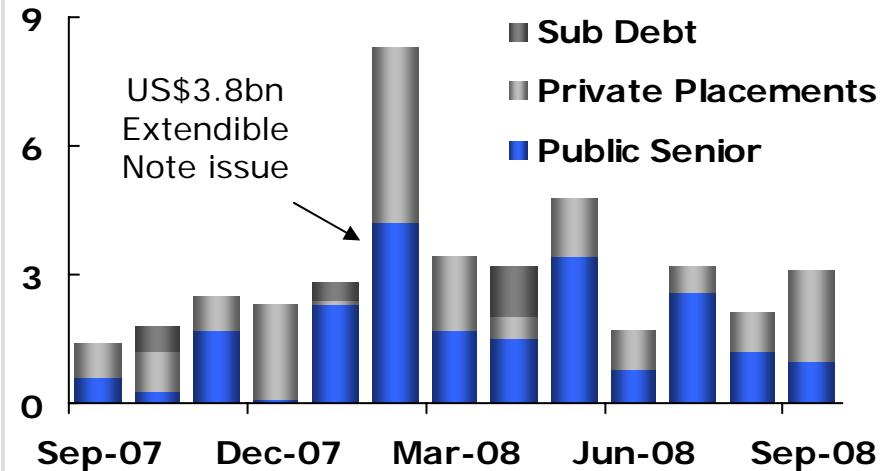


## Stable and diversified funding base

Group Funding profile\* – September 2008



## (\$bn) Borrowed consistently over 2008



## Wholesale term funding

Year	Volume		Cost (bp)
	>1yr	~1Yr <sup>^</sup>	
2007	\$19bn	\$5bn	8
2008	\$24bn	\$15bn	72
2009 f'cast	\$21bn	\$9bn	-

- Total term debt costs have increased to \$216m in FY08 from \$109m in FY07.

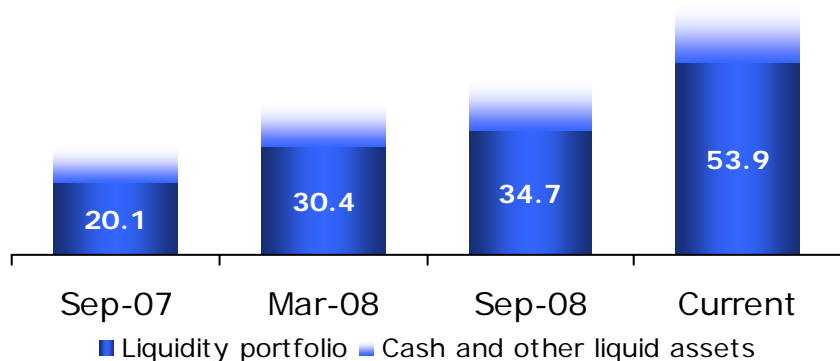
\* Percentage of net external assets (i.e. ALL funded asset incl. non-core assets)

<sup>^</sup> 1 year, structured and extendable notes

# Strong Balance Sheet management



## Significant increase in liquid assets (\$bn) >12 months of offshore wholesale funding maturities



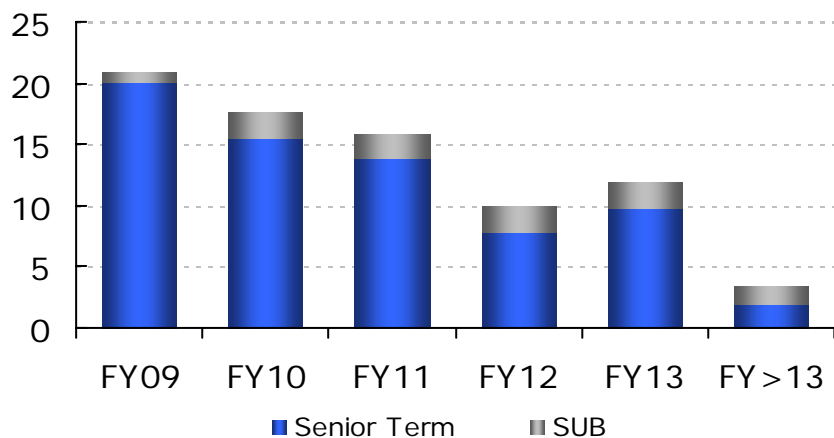
## Prime liquid asset portfolio increased to nearly 3 times Sep 2007 levels

All liquid assets eligible for repo with a central bank and held in major treasury sites

Provides a very strong buffer against adverse funding conditions. Portfolio covers:

- 10 weeks of all short and long wholesale funding maturities
- >12 months of total offshore wholesale funding maturities

## Balanced term debt maturity profile (\$bn)



- Term debt issuance across maturity buckets achieves balanced maturity profile, avoids near-term maturity concentrations
- 74% of term debt portfolio matures beyond 1 year
- Portfolio diversified by geographic location, investor type, currency, product and tenor





# RESULTS SUMMARY FY 2008

# Results overview



		Growth 2007 to 2008
<b>NPAT</b>	<b>\$3,319m</b>	<b>-21%</b>
<b>Cash Earnings*</b>	<b>\$3,029m</b>	<b>-23%</b>
<b>Underlying Revenue*^</b>	<b>\$12,343m</b>	<b>+12%</b>
<b>Expenses*</b>	<b>\$5,444m</b>	<b>+10%</b>
<b>Cash EPS*</b>	<b>155.3c</b>	<b>-26%</b>
<b>Dividend</b>	<b>136c</b>	<b>unchanged</b>

\*Adjusts headline numbers for significant items & fair value hedge gains/losses

^Adjusted for impact of credit risk on derivatives and structured transaction

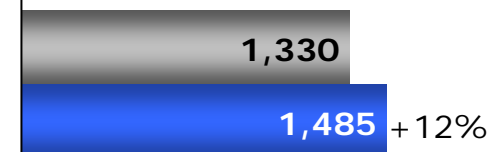


## Cash Earnings

■ 2007 ■ 2008

### Australia (Personal Division)

- Strong result from lending and customer deposits
- Continued investment in personnel and premises



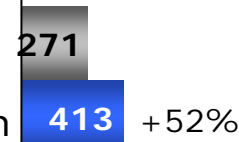
### New Zealand (Businesses)

- Solid balance sheet growth, market share gains
- Impacts from slowing economy and higher provisions



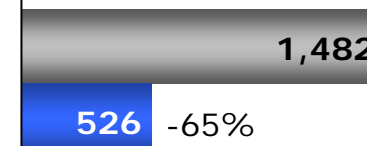
### Asia Pacific

- Excellent performance driven by investment in the business
- Strong revenue growth - increased customer, product penetration

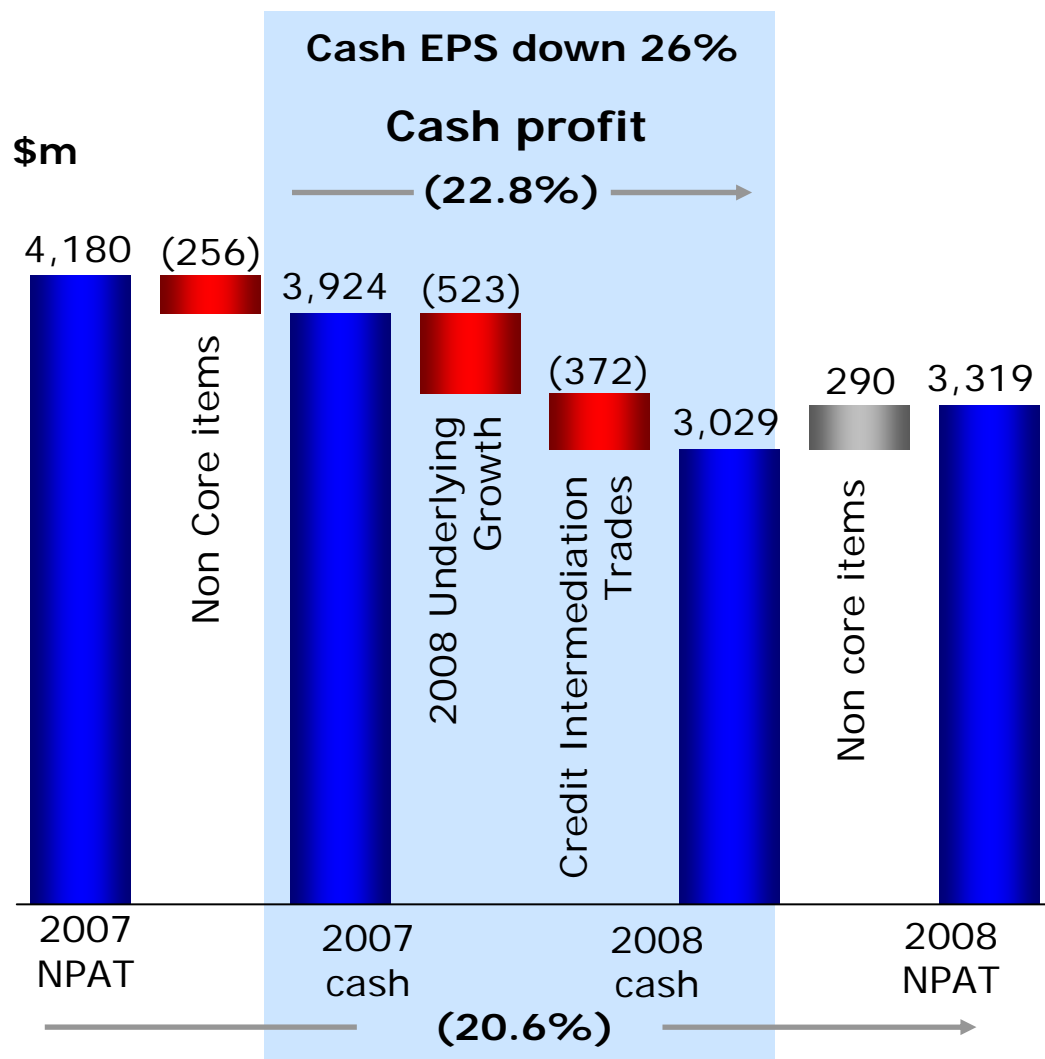


### Institutional

- Improved underlying revenue momentum
- Significant negative provision impact from global financial market dislocation and small number of large individual losses



# \$3 billion cash profit down on prior year due to significantly higher credit impairments



## Reconciliation to July Trading update (excluding the reclassification of credit risk on derivatives to income)

### Income

- Lower due to higher credit risk on derivatives from Credit Intermediation Trades and Corporates

### Expenditure

- Slightly higher from a consolidation and higher remediation costs

### Provisions

- Essentially unchanged with higher CP offset by lower IP

### Cash NPAT

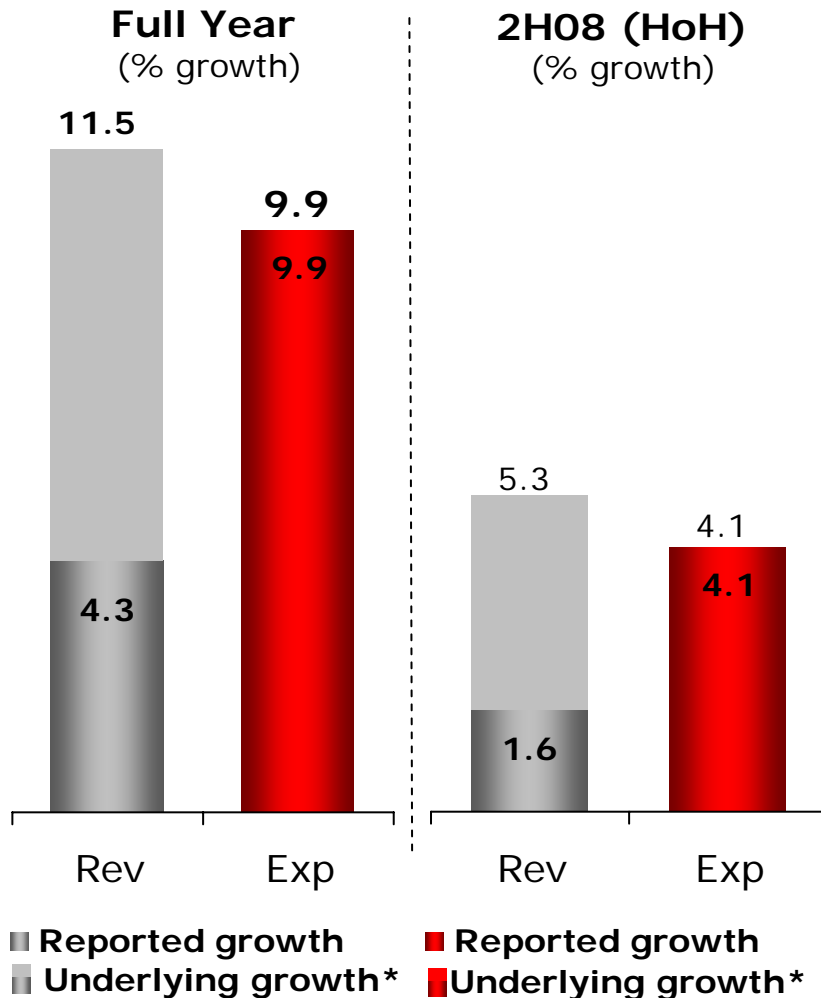
- Still >\$3bn although lower than expected

# Strong underlying PBP and revenue growth

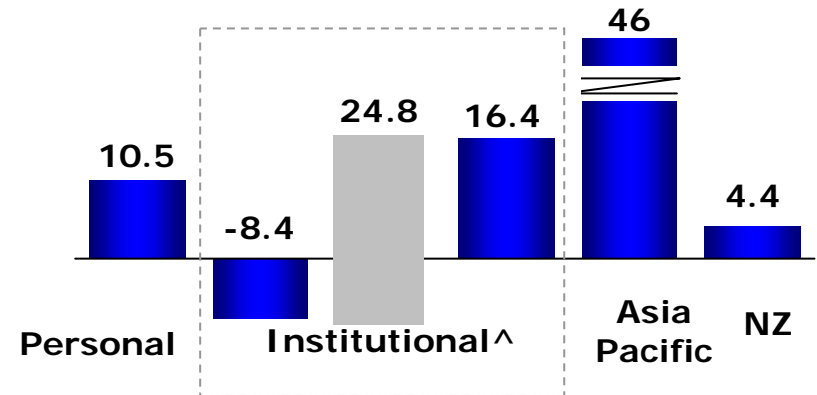
## Costs paced with revenue



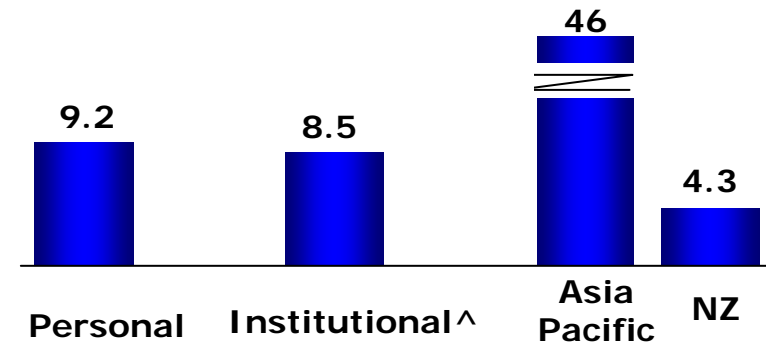
### Full year revenue expense jaws



### Income growth (% growth)



### Expense growth (% growth)



Jaws 1.3%      7.9%      0%      0.1%

■ Institutional adjustments\*

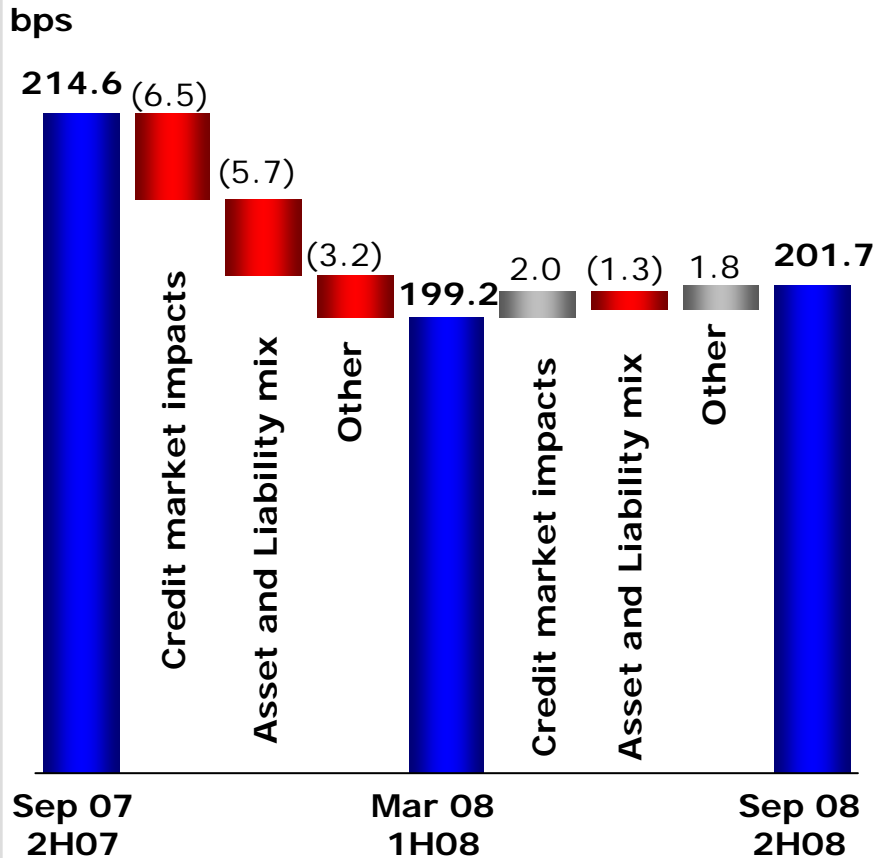
\* Adjusted for credit risk on derivatives and structured transaction (matching offsetting tax credit)

^ Excludes Institutional Asia Pacific, included in Asia Pacific division

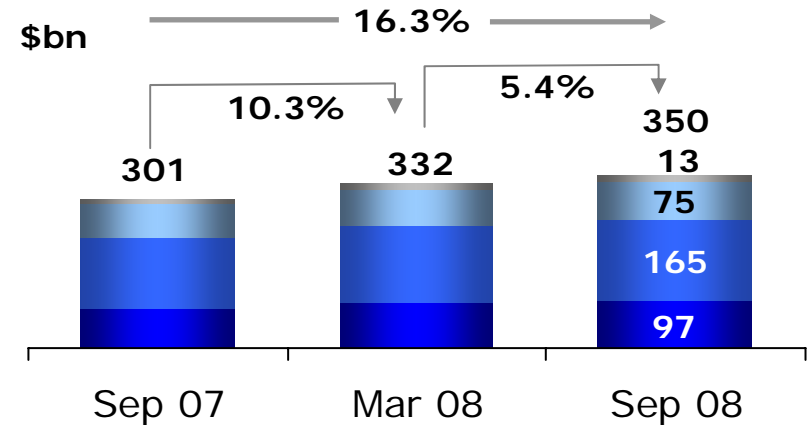
# Volume growth slowing in the second half while margins have stabilised



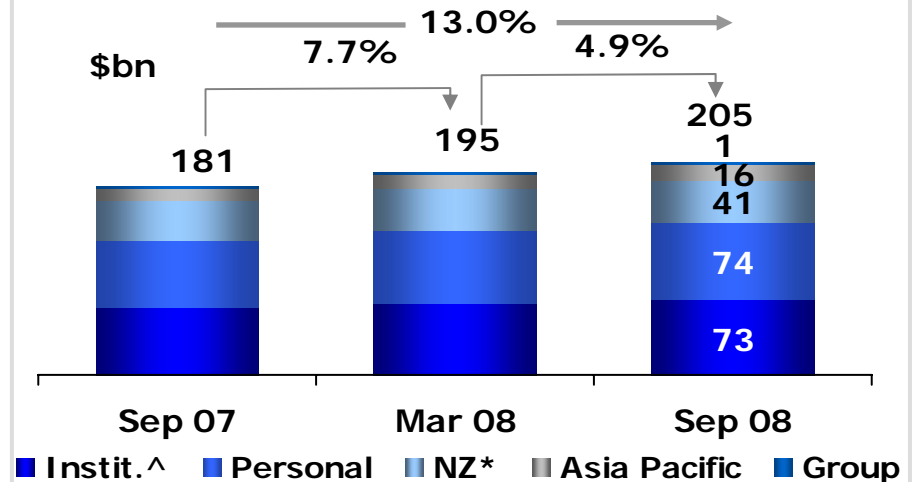
## Margin trend improvement from managing impacts of credit crisis



## Strong lending growth



## Strong deposit growth



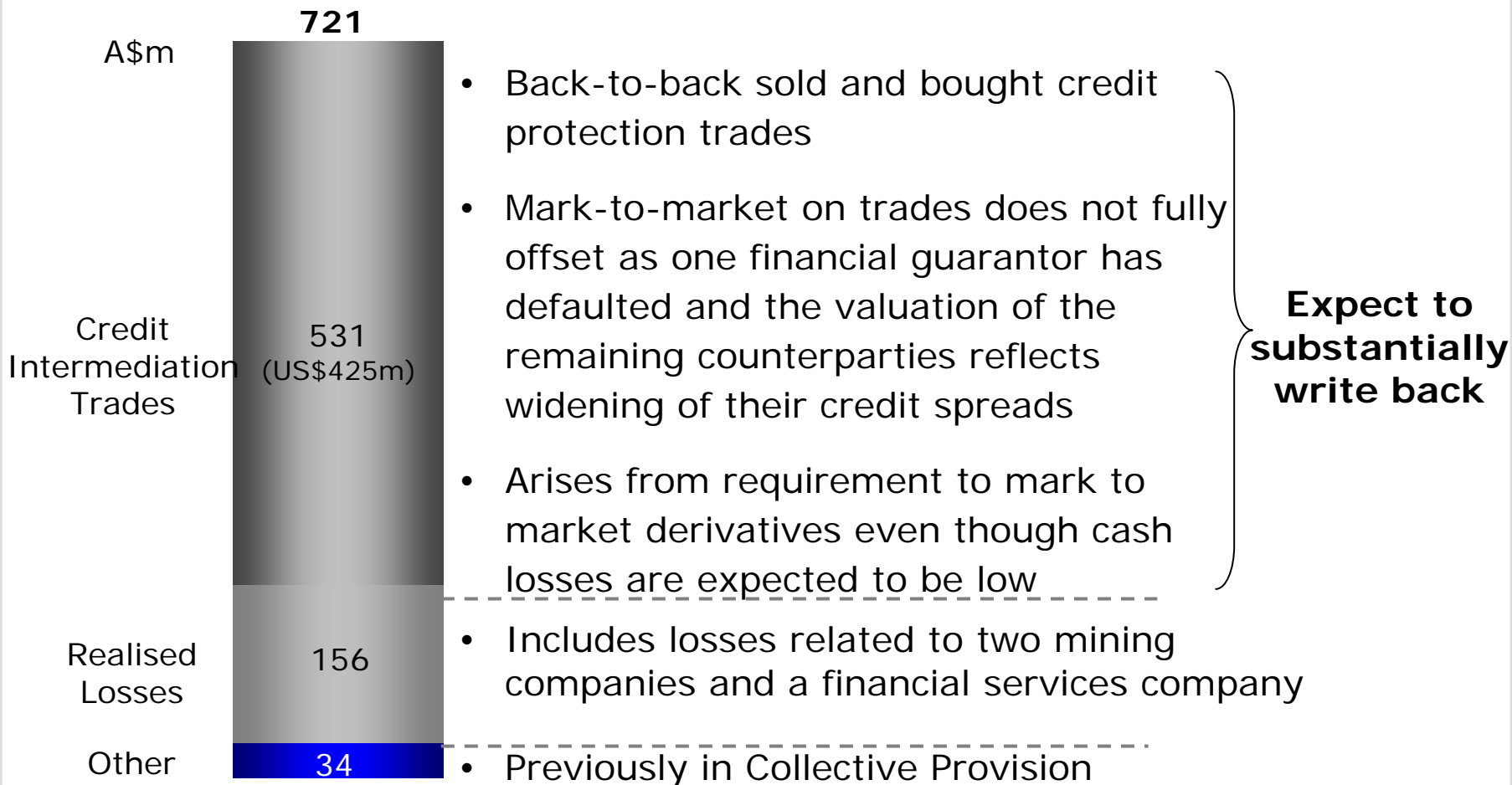
^ Excluding Institutional Asia (included in Asia Pacific)

\* Removing the impacts of exchange rate movement

# Composition of "Credit Risk on Derivatives" charged to Non interest income



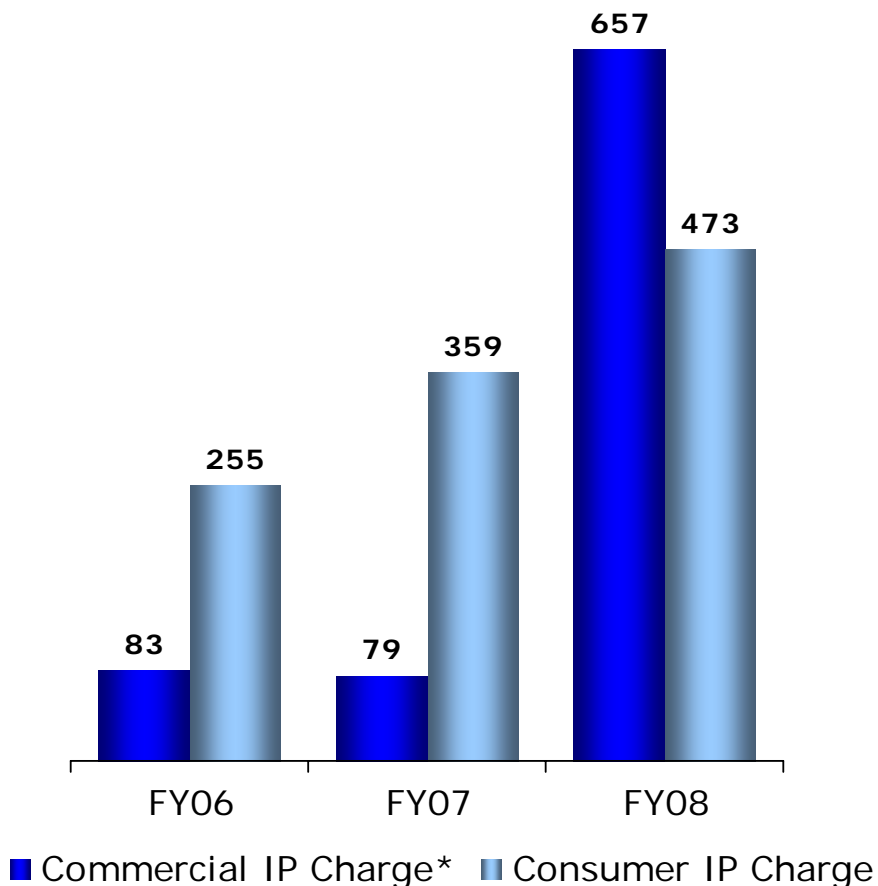
## Credit risk on derivatives



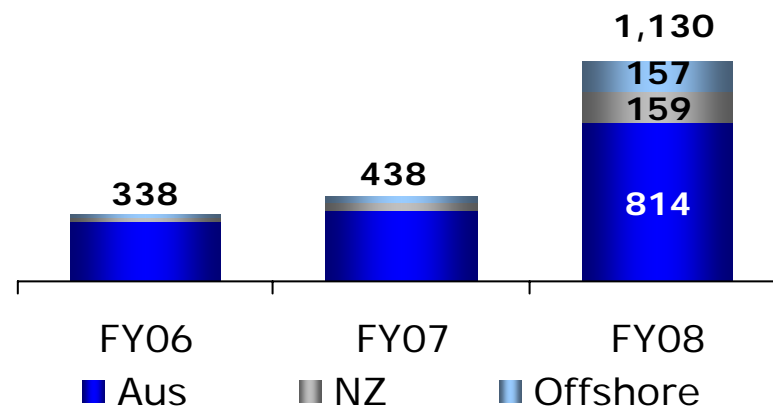
# Higher Individual Provisions from Institutional large names and NZ portfolio



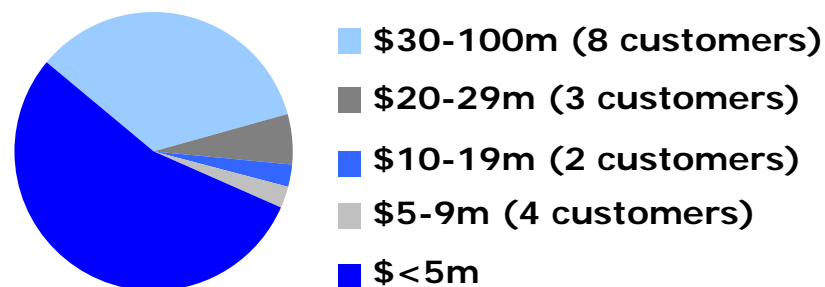
## Significant increase in commercial Provisions off a low base, consumer upward trend from NZ (\$m)



## Higher individual provisions across regions (\$m)



## Small number of exposures dominating IP growth (\$m)



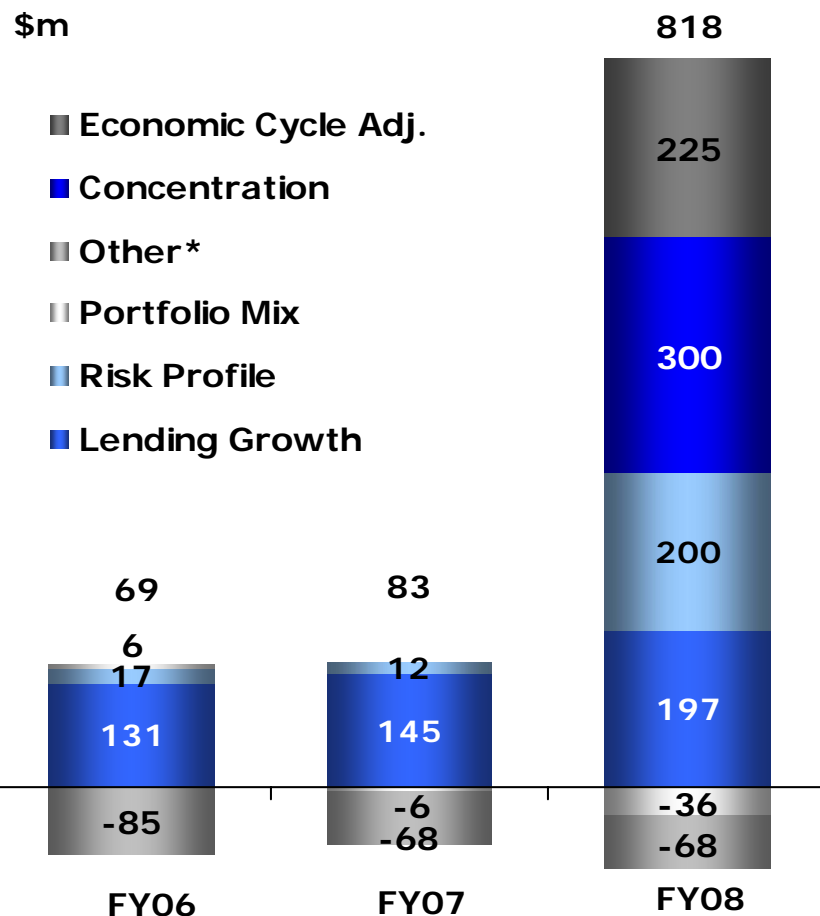
\* Excludes 1H08 impact from Monoline insurer, restated to credit risk on derivatives (negative adjustment to income)



# Collective Provision increase reflects changes to the credit environment



## Collective Provision (CP)



### Economic cycle adjustment

- For deterioration in global credit markets and slowing NZ economy (includes Inst. \$180m, NZ \$36m)

### Concentration risk

- Higher single name risk for Financial Institutions and property portfolios within Institutional

### Risk Profile

- Downgrades in Institutional, portfolio movements New Zealand

### Volume Growth

- Increase across all divisions

### Portfolio mix & Other

- Includes oil shock roll-off

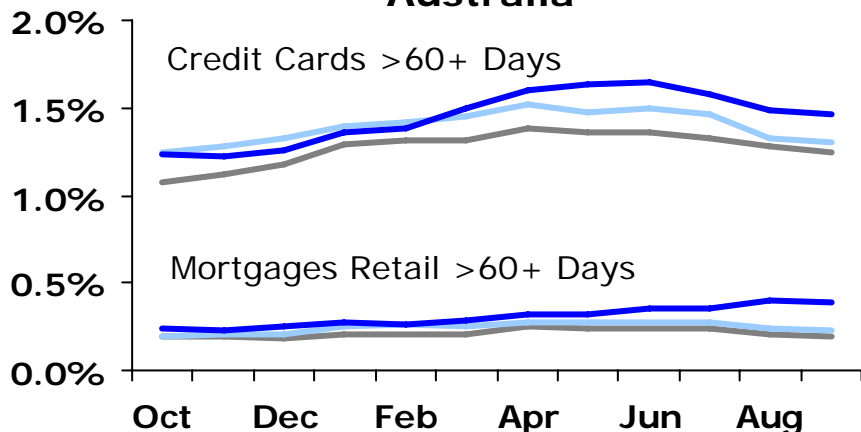
\* Other comprises Group Items, scenario impact including the modelled unwind of the oil price shock provision (raised in 2005) and non continuing businesses

# Higher arrears and impaired assets from single name exposures and some increase in consumer stress

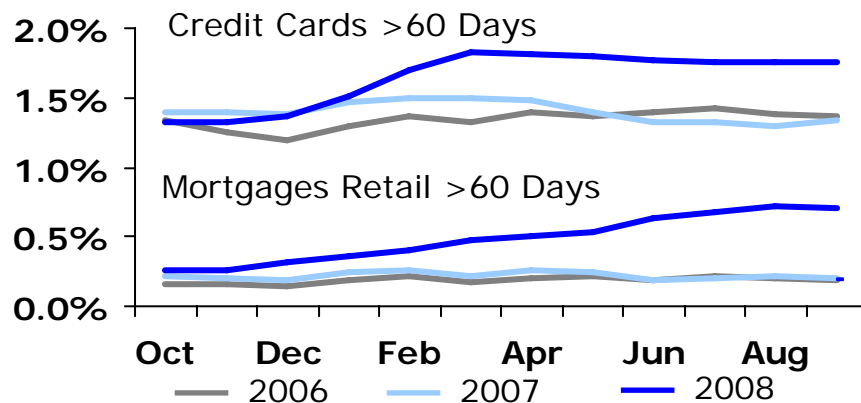


## Consumer arrears being closely managed

### Australia

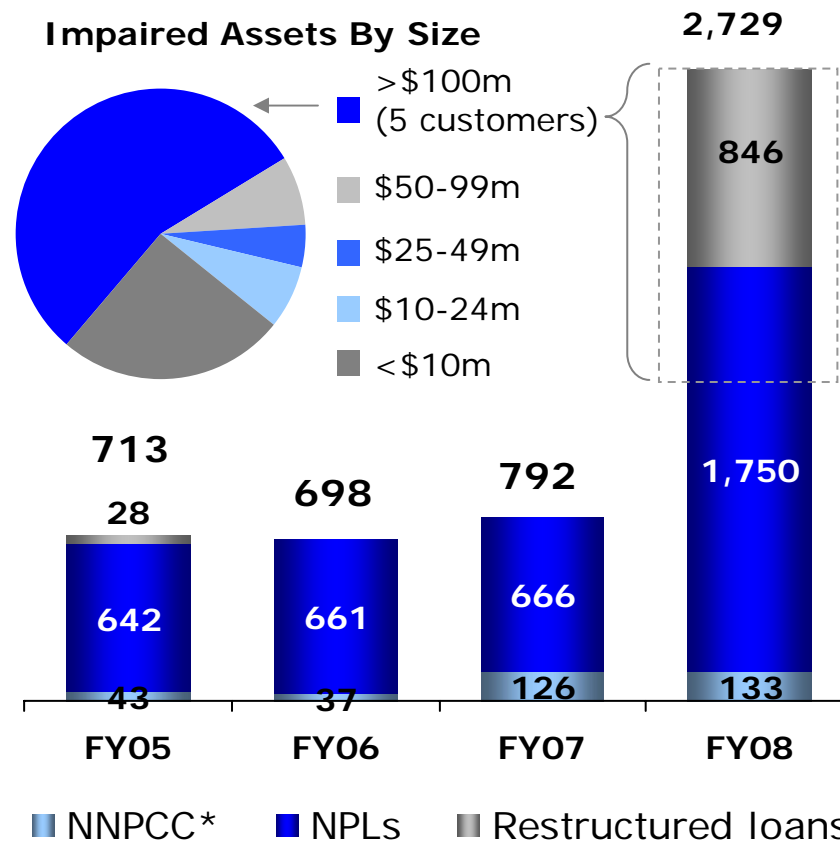


### New Zealand



## Impaired loans impacted by large single name Institutional customers (Impaired Assets (\$m))

### Impaired Assets By Size



\*NNPCC: Net Non Performing Commitments and contingents



## CONCLUSION & APPENDICES



- ANZ is 1 of 14 AA rated banks globally
- Good underlying performance in Australia and Asia offset by higher credit charges in Institutional & NZ.
- Addressed legacy institutional issues and simplified business structure for the new economic environment.
- Very strong liquidity levels and lower funding requirements for 2009.
- Conservatively provisioned with Collective Provision increased to > 1.1% of CRWA's.
- Tier 1 capital > 8% post current DRP underwrite.
- Lower domestic growth environment partially offset by Super Regional Strategy.



- **Australian mortgage markets**
- **New Zealand exposure**
- **Property market exposures**
- **Credit Intermediation Trades**



# Australian mortgage market

# Australian mortgage industry continues to benefit from excess demand and strong underwriting standards



## Demand/Supply

- Under-development in housing and rising immigration levels continues to drive excess demand
- Lower delinquencies and lower forced sales relative to the US and UK, resulting in less pressure on the Australian property sector

## Underwriting Standards

- Strong underwriting standards for Australian mortgage lending compared with US & UK
- Around 1% non conforming and 7% "low doc" or "no doc" loans across the Australian sector. ANZ below sector average with no sub prime and around 2% low doc.
- Maximum 95% LVR on existing ANZ Australian mortgage loans (reduced to 90% for new lending)
- Lenders mortgage insurance required for >80% LVR lending

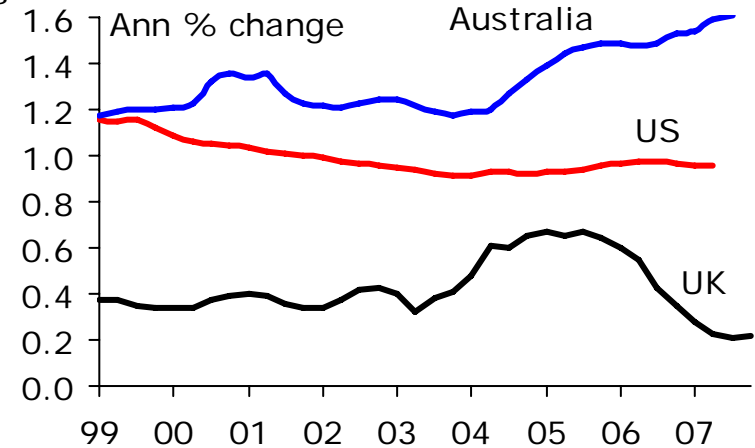
## Household Debt levels

- Australia debt to assets (~19%) compares favourably to the US (~26%)
- Only one third of adult Australian population have borrowings

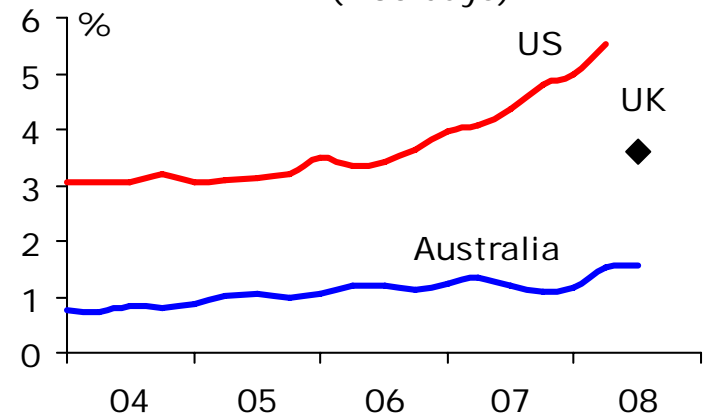
## Regulatory and policy differences

- Australia mortgages typically full recourse with ability to pursue debtor's other assets
- Flexibility with monetary policy and fiscal policy

## Population growth



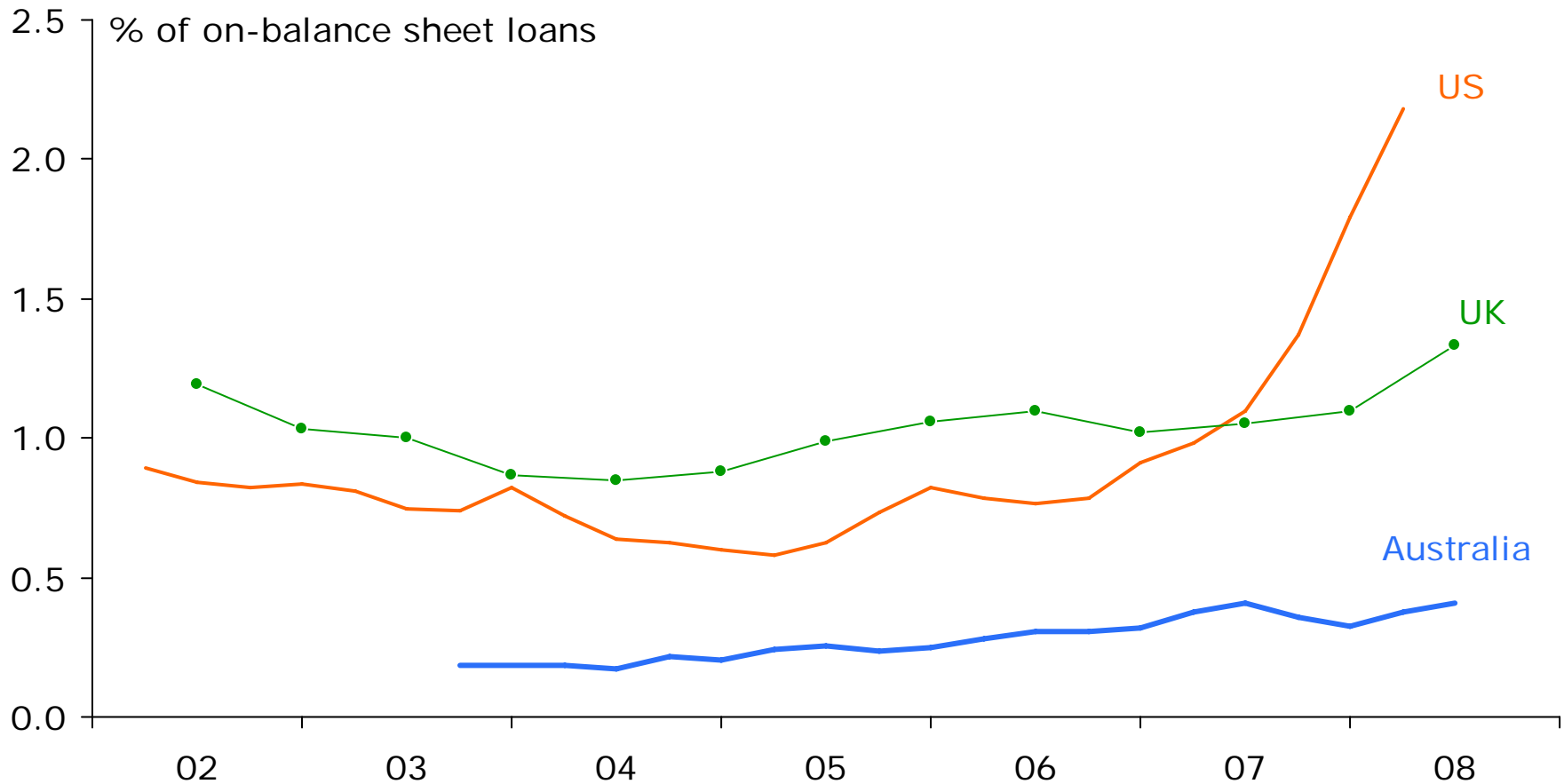
## Mortgage Delinquencies (+30 days)



# Australian housing loan delinquencies are significantly lower than in the US or the UK...



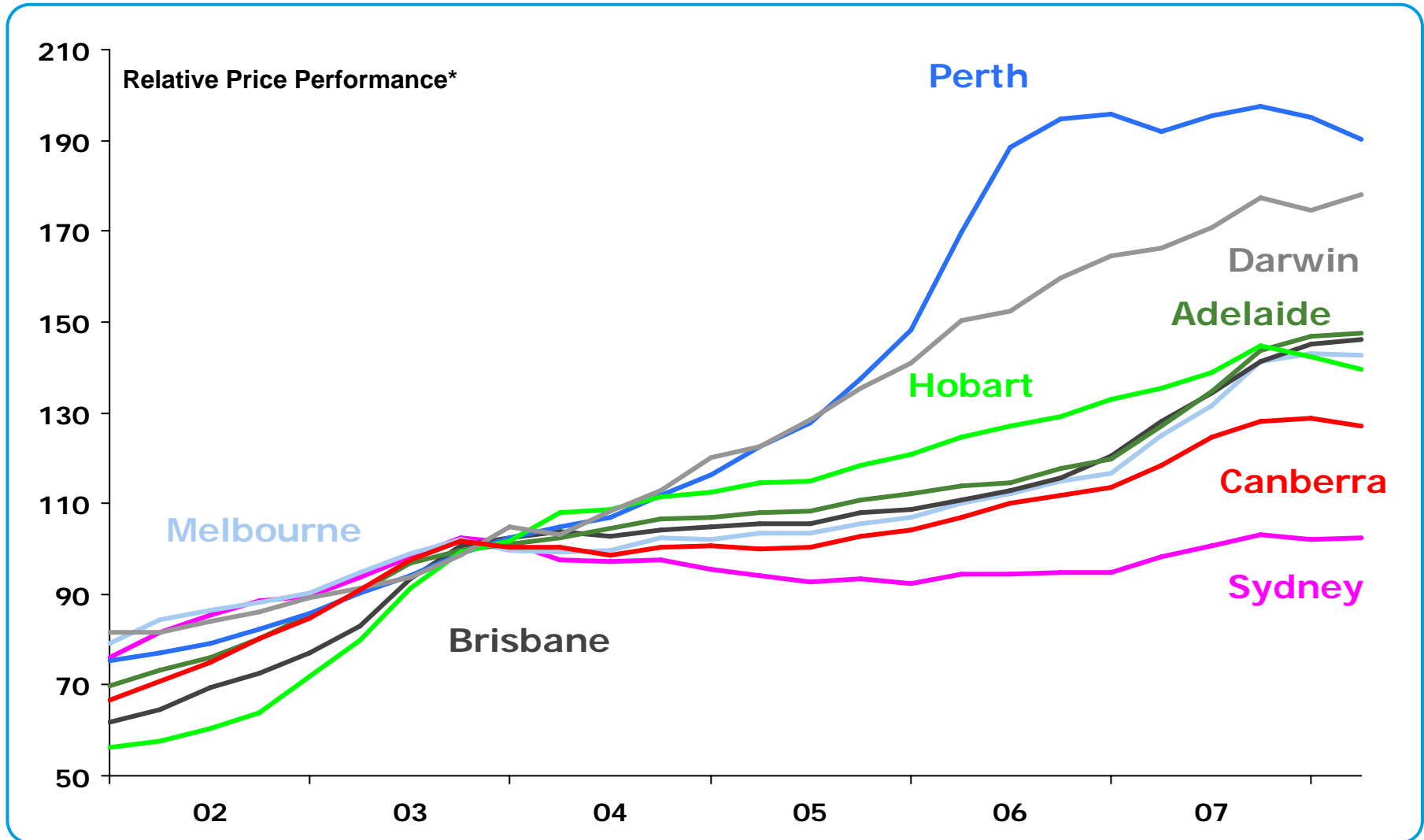
## Banks' non-performing housing loans



Source: Philip Lowe, *The Financial System and Recent Developments in the Australian Financial System*, Speech to 6<sup>th</sup> Annual Retail Financial Services Forum, 13<sup>th</sup> August 2008; APRA; UK Council of Mortgage Lenders; US FDIC.

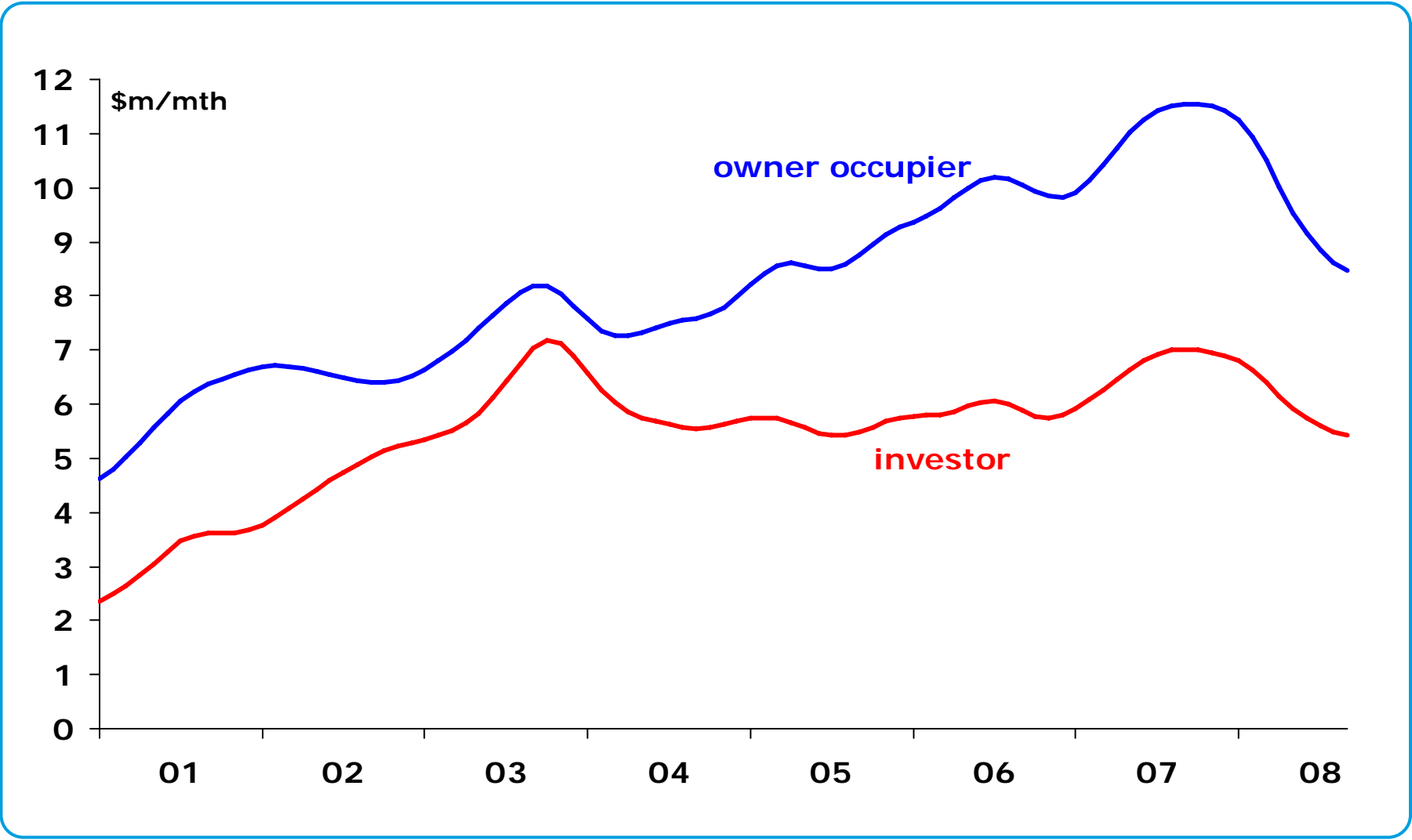


# Individual property markets in Australia have contracted particularly in Sydney



\* Chart uses price index levels . All cities have been set to a common base of 100 in 2003 to illustrate relative performance. Source ANZ.

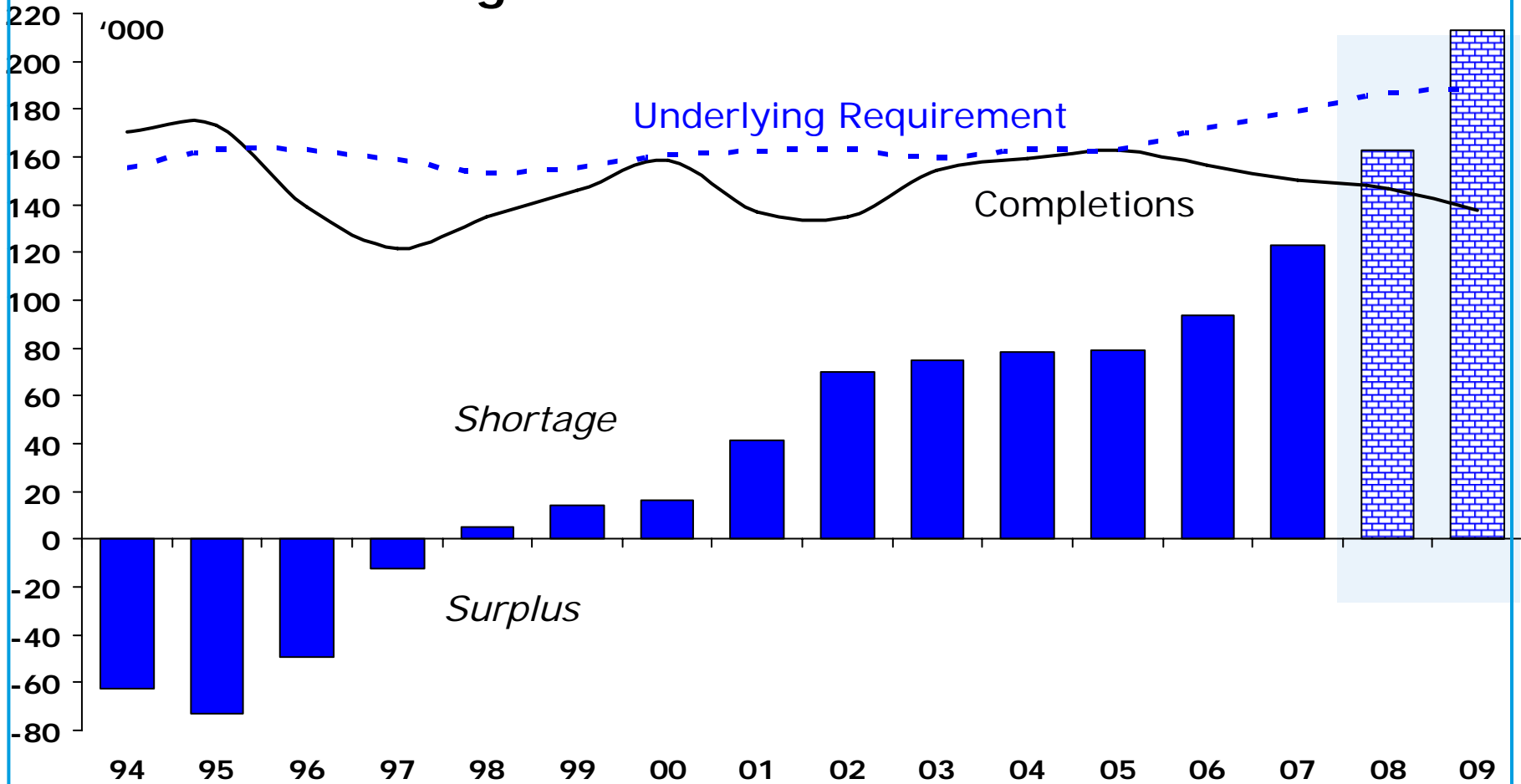
# Housing finance commitments declined in 2008



Coupled with weaker construction approvals this is driving housing demand



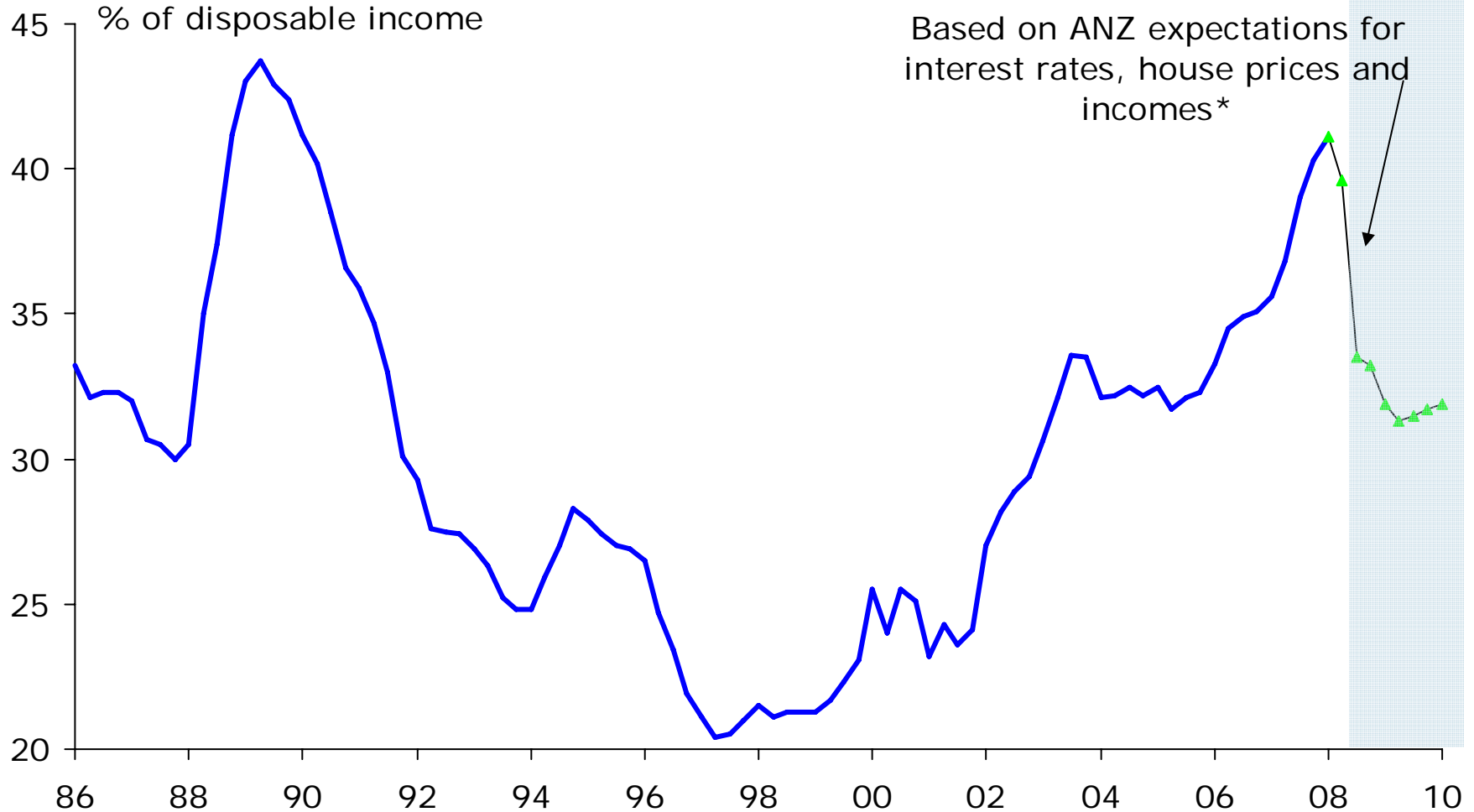
## Housing market balance: Australia



# Housing affordability is expected to improve in Australia in 2009



## Housing affordability

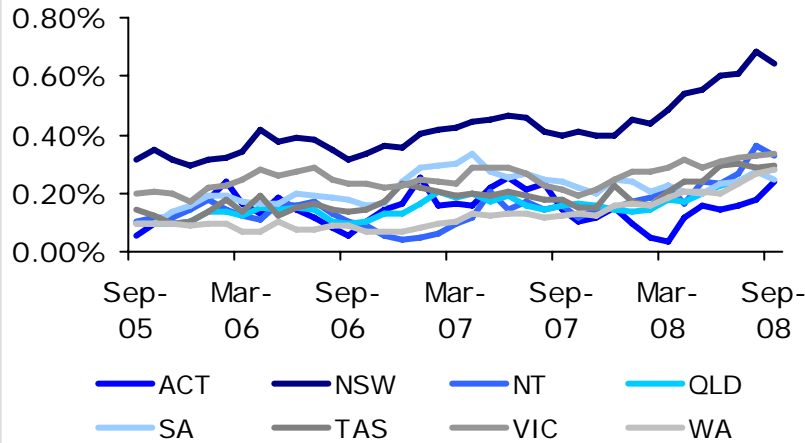


Source: ABS, RBA, Economics@ANZ, ANZ estimates for affordability do not include government grants and assistance for first home buyers

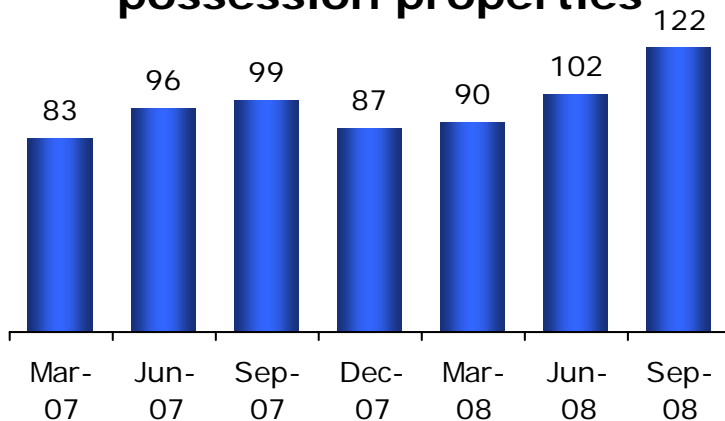
# ANZ's strong underwriting standards illustrated in LVR & arrears trends



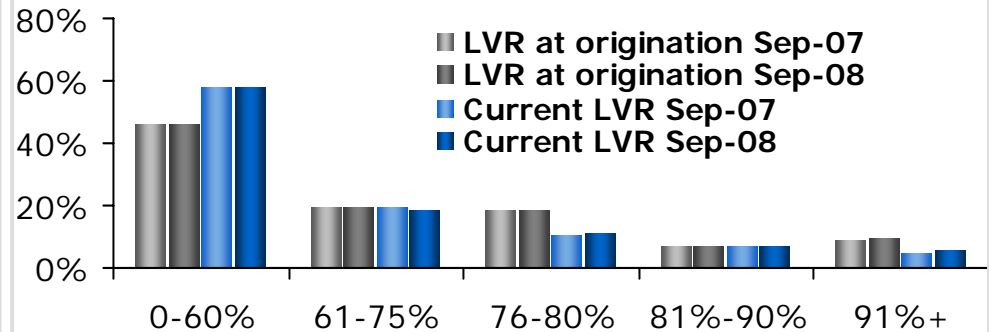
## Mortgages^ 60+ Day Delinquencies by State (% of GLA)



## Number of mortgagee in possession properties



## Mortgages Australia (Retail)



### Average LVR last 12mths

- By No of Accounts = 65.5%
- By Outstanding Balance = 69.5%

### Average LVR for Australian Retail Portfolio based on Origination

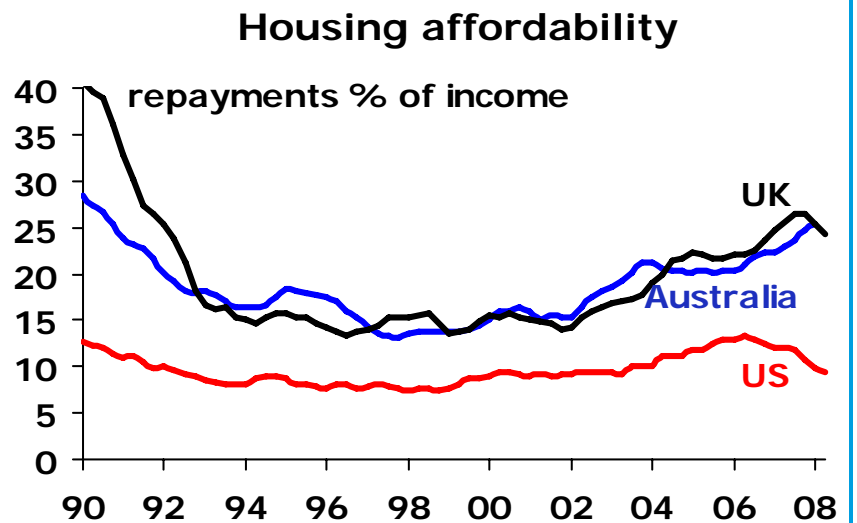
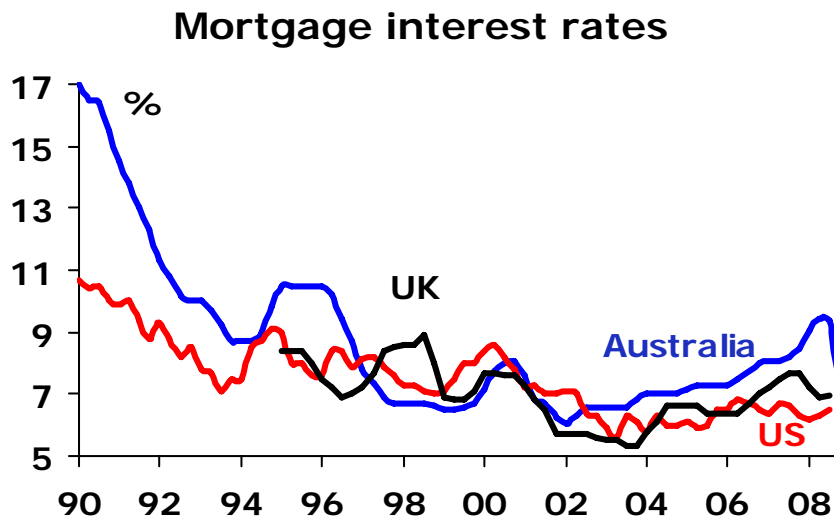
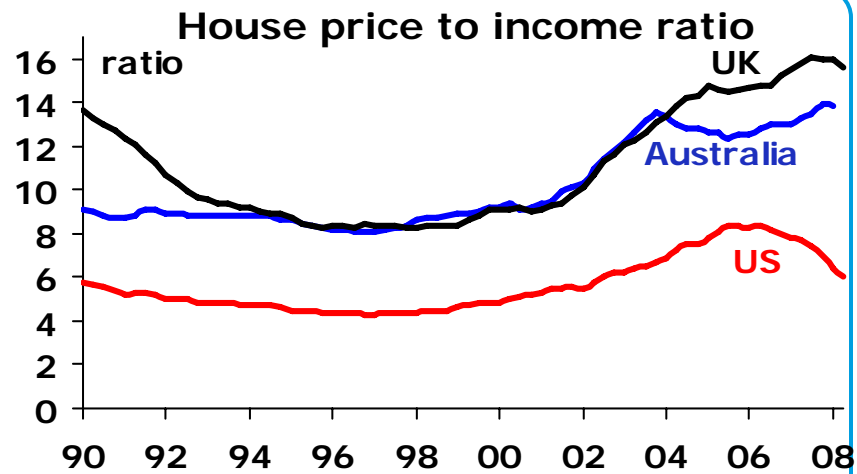
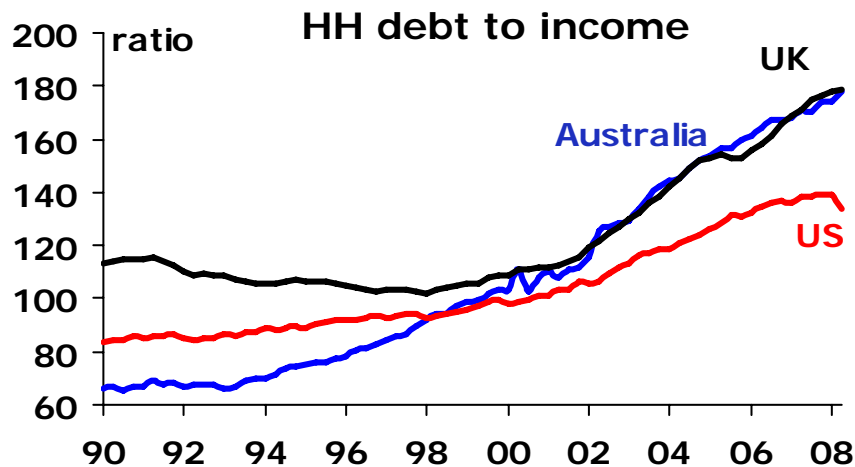
- By No of Accounts = 62.3%
- By Outstanding Balance = 67.8%

### Average Dynamic LVR for Australian Retail Portfolio

- By Outstanding Balance = 42.9%

^ANZ Retail excludes Wholesale

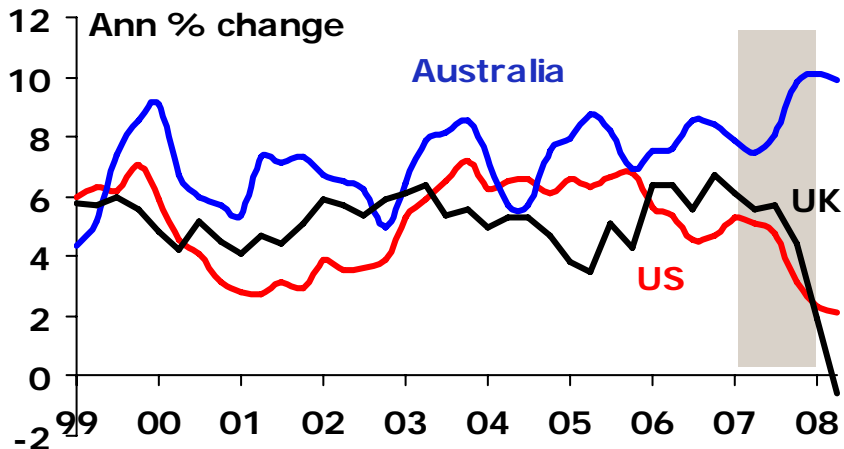
# Simplistic metrics could suggest Australian household sector faces similar risks to the UK



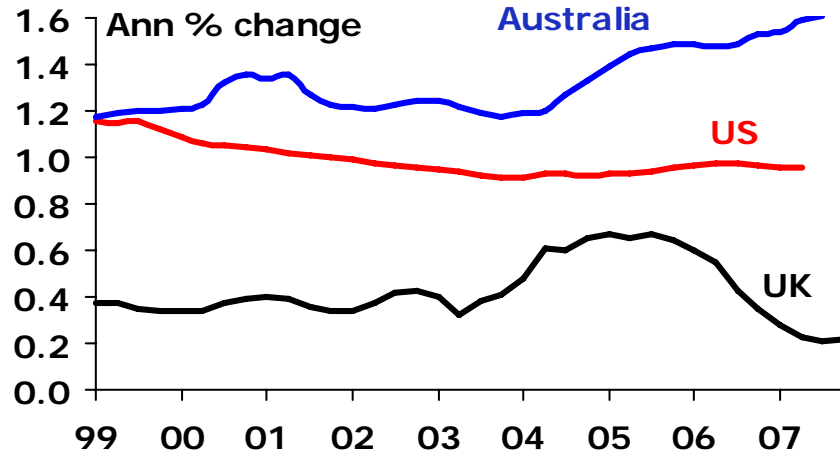
# However the Australian, US and UK residential property market fundamentals have little in common



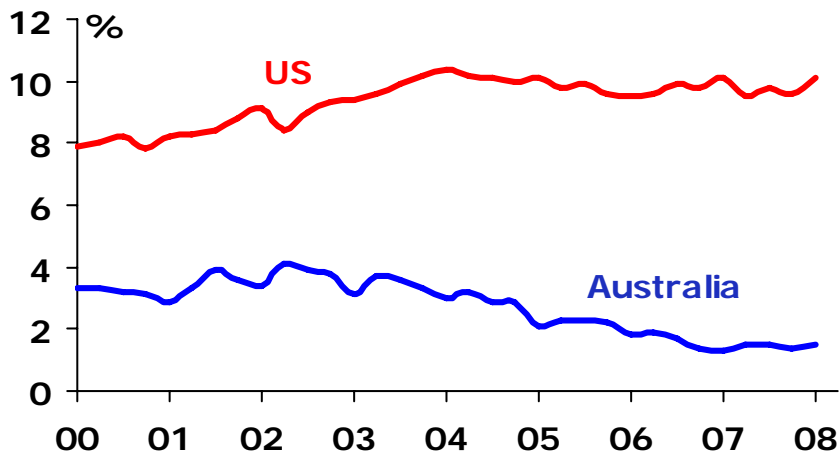
### Nominal GDP growth



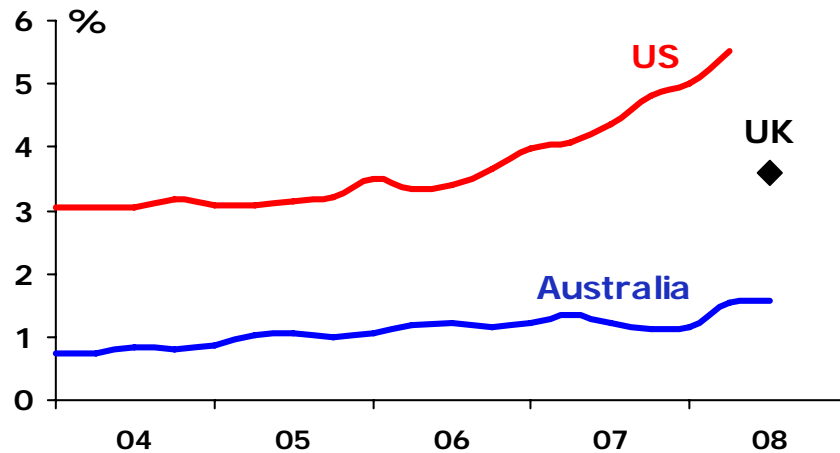
### Population growth



### Rental vacancy rates



### Mortgage delinquencies (+30 days)

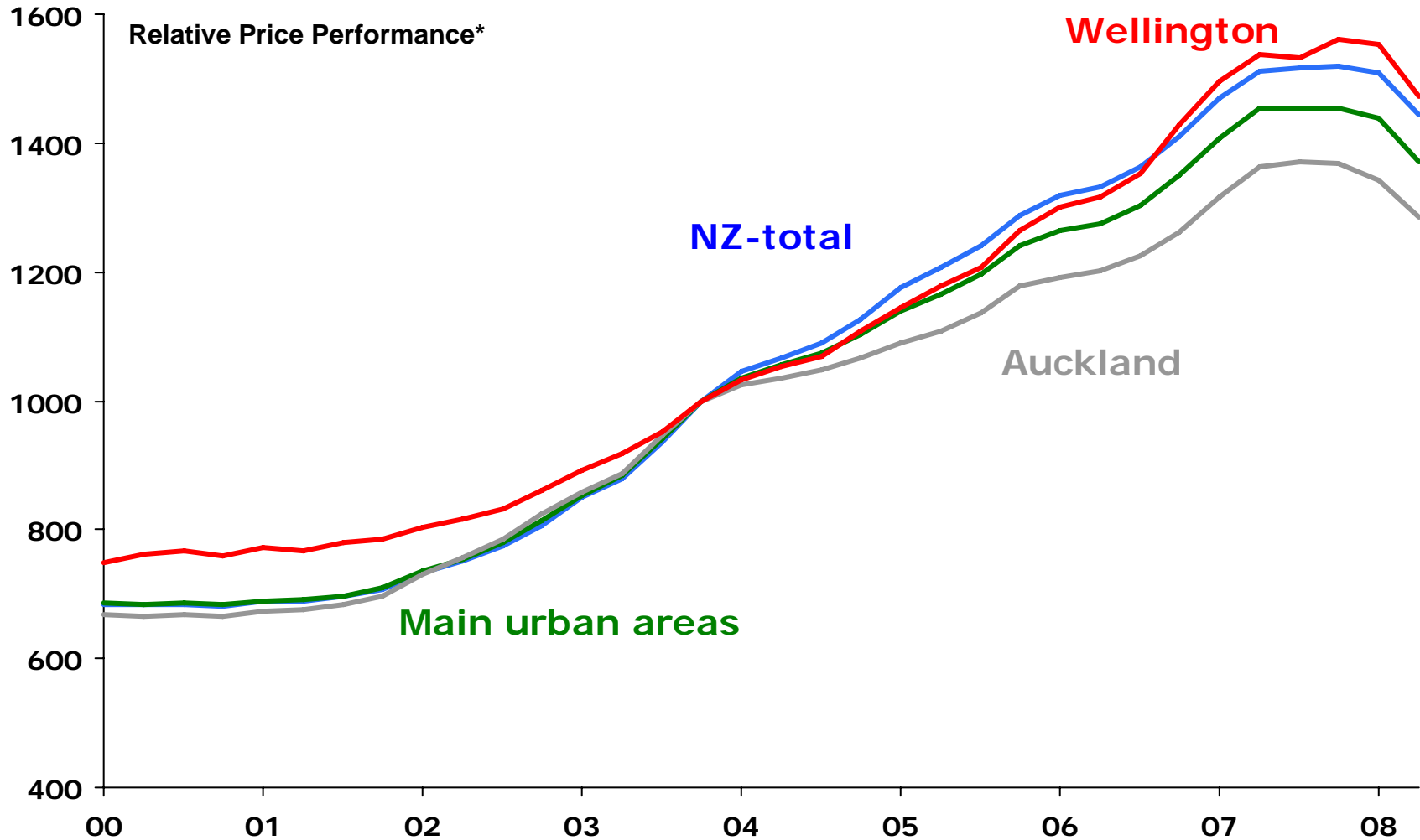




New Zealand



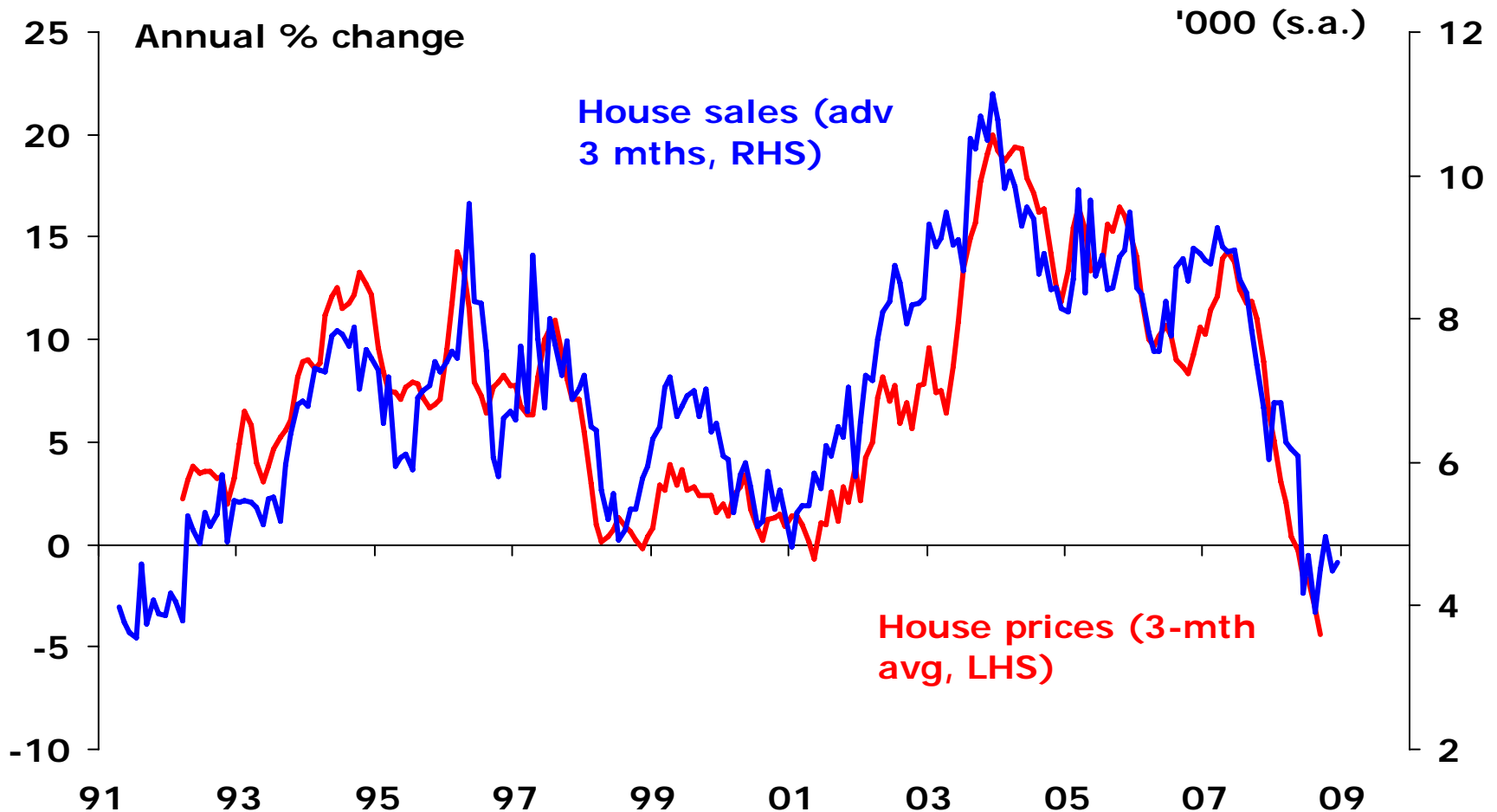
# Individual property markets began to contract in 2007



\* Chart uses price index levels . All cities have been set to a common base of 100 in 2003 to illustrate relative performance . Source: ANZ, Quotable Value NZ



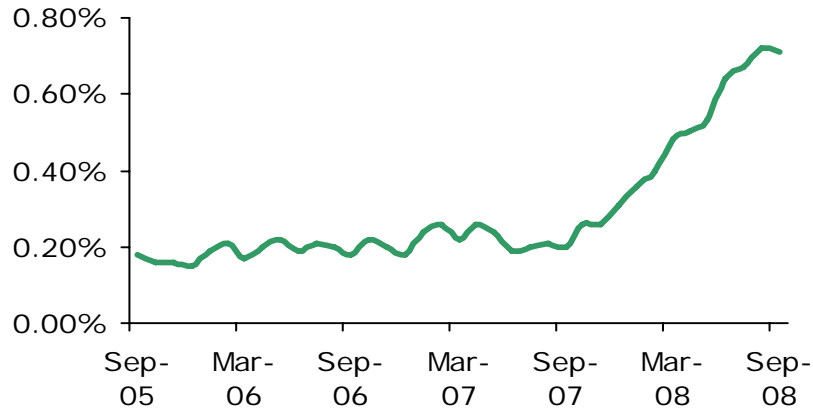
## New Zealand housing market



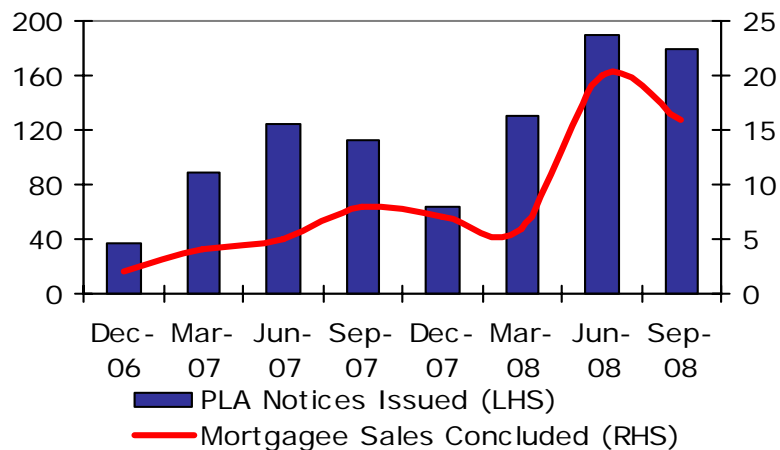
Source: ANZ, Real Estate Institute of NZ



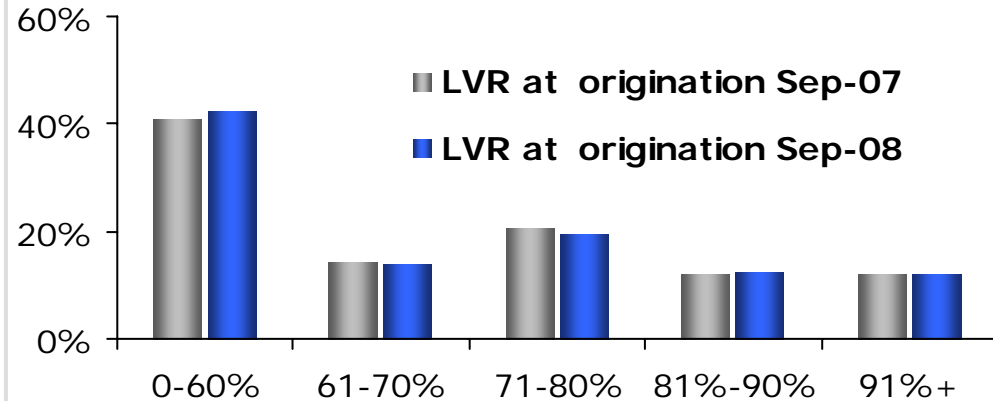
## New Zealand Mortgages^ 60+ Day Delinquencies (% of GLA)



## Number of PLA Notices issued\* and mortgagee sales concluded



## New Zealand Mortgages



### Average LVR for New Zealand Mortgages based on Origination

- Sep-08 By Outstanding Balance = 65.21%
- Sep-07 By Outstanding Balance = 65.60%

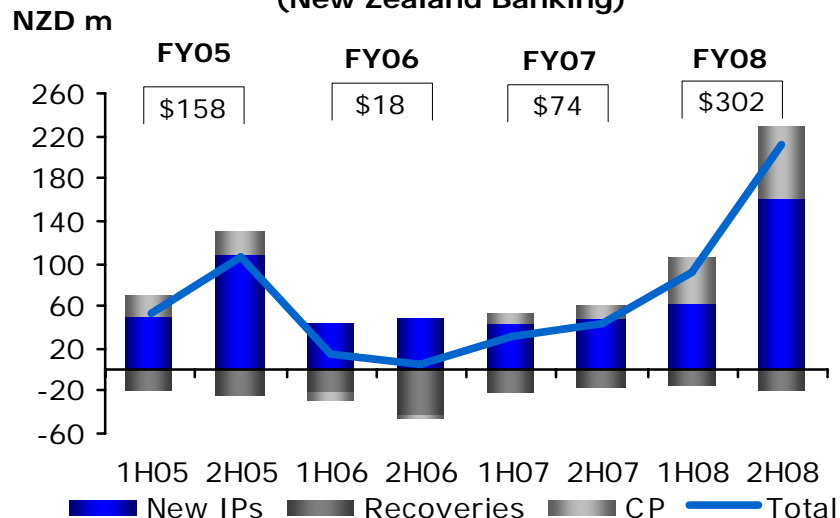
### Average LVR of New Zealand Retail Mortgages for the last 12 months

- By Outstanding Balance = 65.47%

# New Zealand - Provisioning charges increasing with change in economic cycle



## Provisions have grown from low levels (New Zealand Banking)

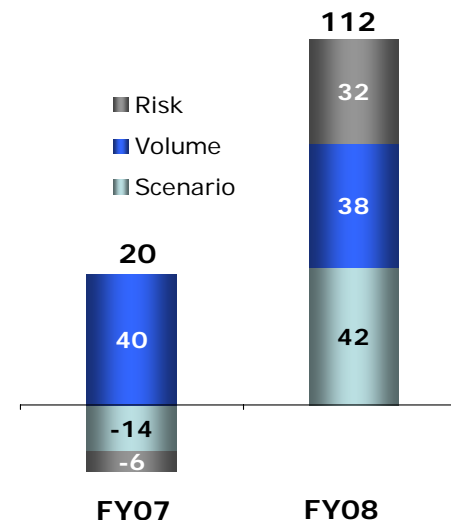


Provision increases have been driven by the significant downturn in the economy and resultant stress in the household sector and a weakening property market.

IP charge increase of NZD136m (by 14bp to 21bp), largely reflecting increasing arrears in the household and small-to-medium business sectors.

The CP charge increase of NZD92m (by 10bp to 12bp) mainly reflects modest weakening in credit quality (4bp) of consumer and small-to-medium size business books and a cycle adjustment of NZD54m (6bp), spread across the wholesale and retail businesses.

## Contribution to Collective Provision Charge (NZD m)



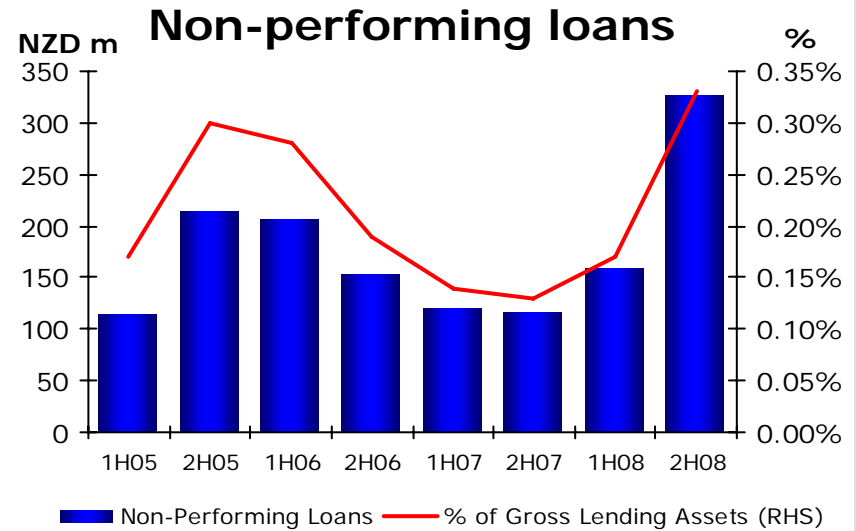
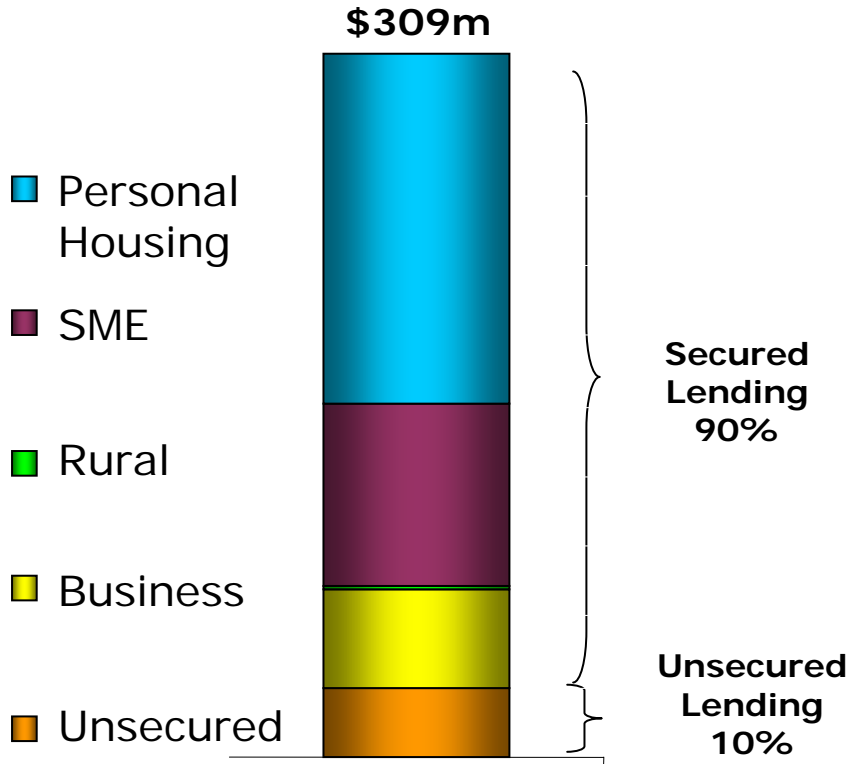
## Individual Provision Charge Analysis

Category	IP Charge		Net Write-off	
	NZDm	bps	NZDm	bps
Personal Housing	24.7m	7	5.7	2
SME	35.5	24	11.9	8
Rural	3.8	2	0.4	0
Business	60.4	24	16.6	7
Unsecured	65.6	259	61.5	244
<b>Total</b>	<b>190.0</b>	<b>21</b>	<b>96.1</b>	<b>10</b>

# New Zealand - arrears and impaired assets increased from historical lows with household cashflow pressures



## 90 days past due largely secured



Arrears and non-performing loans have increased largely in the secured portfolios with consumer (personal mortgages) and small business arrears having experienced the largest lift

This rise reflects financial stress in the household sector due to higher costs of living and higher interest repayment costs

Household cashflow pressures are expected to moderate in the coming year with the fixed rate repricing step-up having peaked in April 2008. Rising unemployment will continue to impact credit quality

# Hedging of \$NZ earnings by ANZ



## FY08 Hedges

- FY08 NZD earnings (~96% hedged) have been effectively translated at an average rate of 1.15
- During the 2008 financial year, NZD 1.486 billion of economic hedges matured and a realised gain of \$42.2 million (pre-tax) was booked to P&L (a positive EPS of 1.5 cents)
- However this was an EPS reduction of ~0.6 cents (compared to 2007 hedged FX rate)

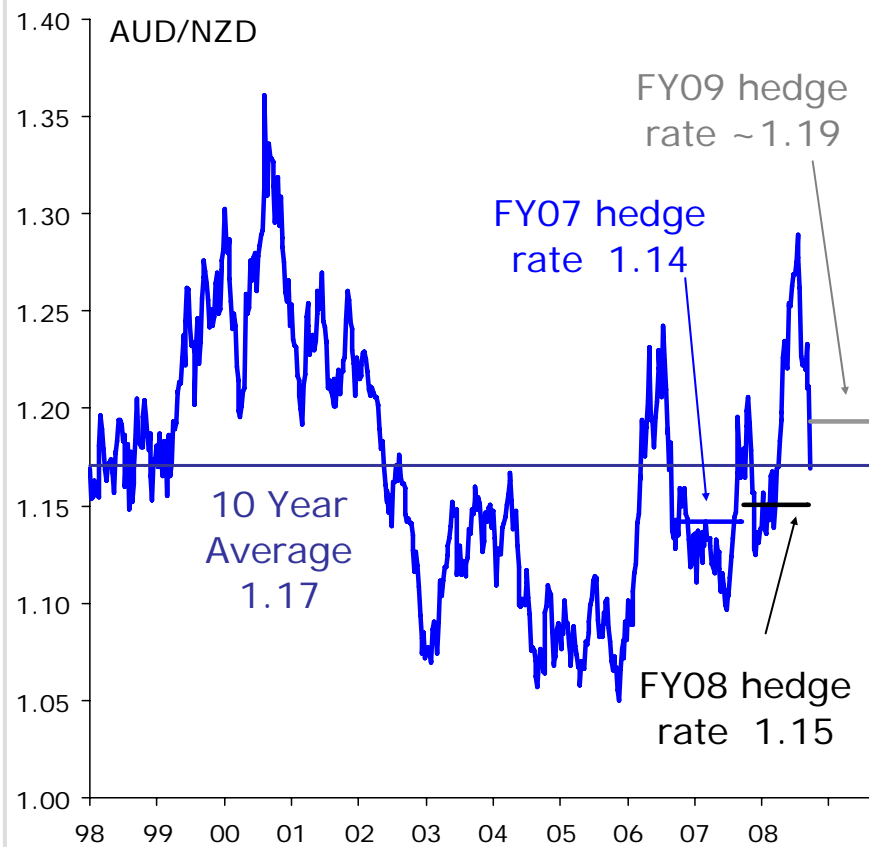
## FY09 Hedging Position

- 100% of the estimated FY09 NZD earnings have been hedged at ~1.19
- FY09 earnings at hedged rate of ~1.19 will translate to a reduction in EPS of ~1.5 cents (compared to 2008 average FX rate)

## FY10 Hedging Position

- Approximately 25% of expected FY10 NZD earnings have been hedged at ~1.25

## AUD/NZD hedges established where revenues are believed to be at adverse risk



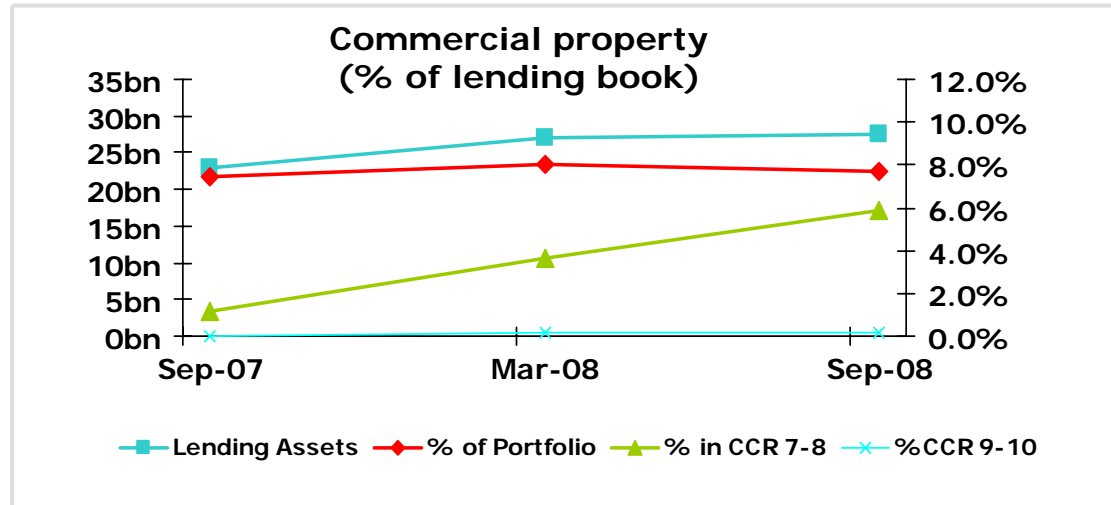
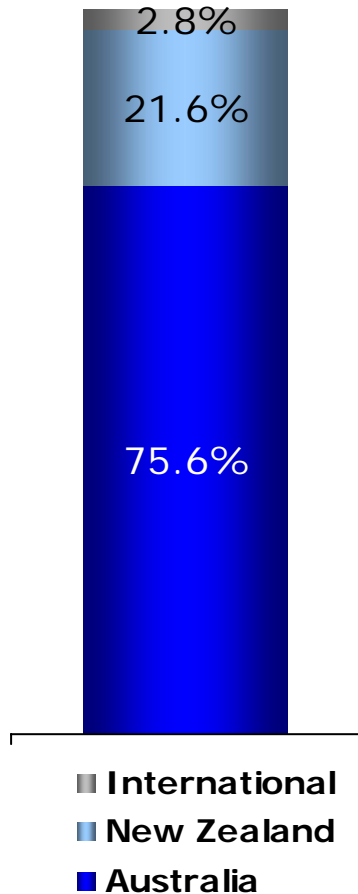


## Commercial property

# Commercial Property exposure



## Geographic split of Commercial property portfolio

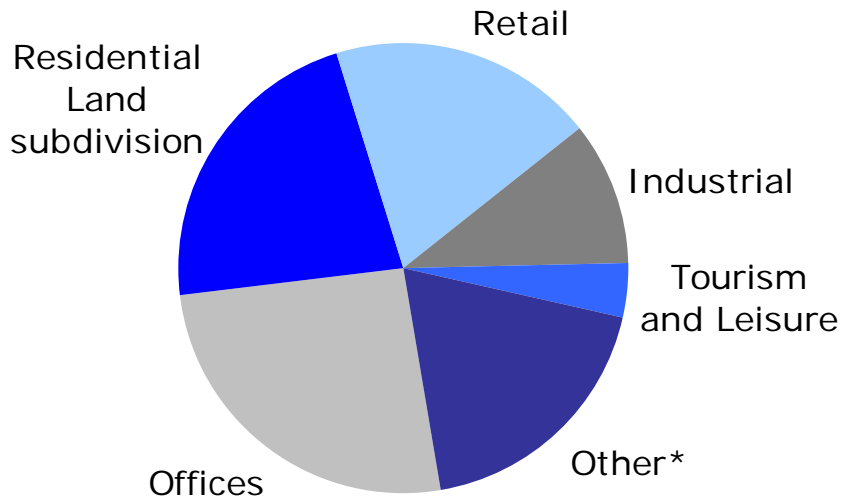


- Commercial property exposure is approximately \$27bn or 8% of total lending book
- Commercial property lending cap of 10% of Gross Lending Assets is in place on Australian, New Zealand and combined books
- Australian LPTs make up less than 25% of Commercial property exposures
- Overall gearing to the LPT sector is typically sub 50%



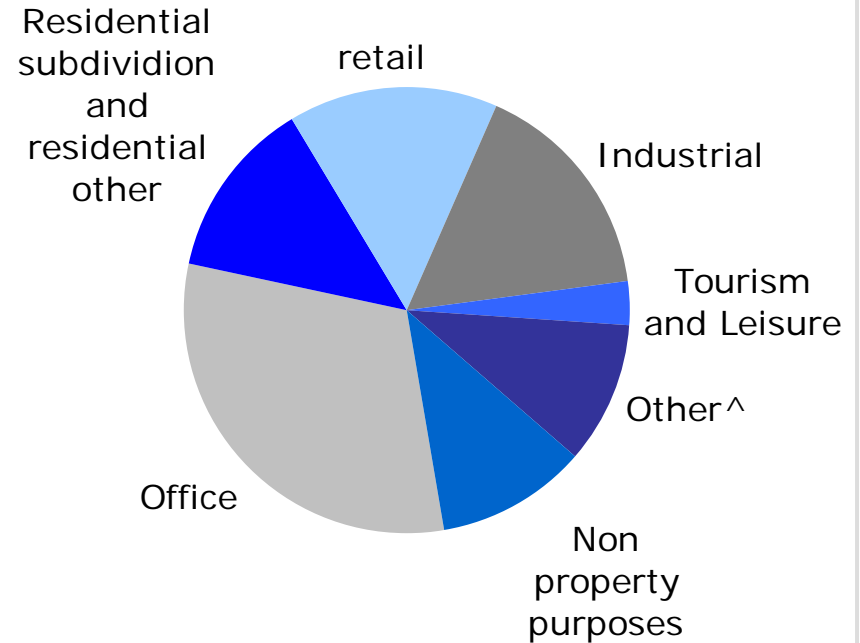


## Australian property portfolio by Sector - Aug 08



\* Major categories of "other" includes high rise, retirement villages, vacant land, non property, other residential

## New Zealand property portfolio by Sector - Aug 08



^ Major categories of "other" includes Land – Commercial, High Rise Residential and non classified



## **Asset Backed Securities**

- \$318m in Alt-A RMBS assets in the liquidity portfolio, largely eligible for repo at the US Federal Reserve
- Limited holdings in trading portfolios
  - Total Australian RMBS of \$125m – \$121m AAA rated, A\$3m AA rated
  - Total Australian CMBS of \$35m – only \$2m not rated AAA

## **Collateralised Debt Obligations (CDOs)**

- No exposure to CDO's outside ANZ's structured CDS trades (previous \$5.5m CDO exposure since liquidated)

## **Property market exposures**

- Commercial property exposures are currently ~\$27bn or 8% of the total book

## **Conduits**

- \$1.7b in Commercial Paper outstanding, with \$1.2b in drawn liquidity (reduced from \$5.5bn in September 2007)
- All are Australian assets with no concerns over asset quality (no sub prime exposure or CDOs)



## Credit Intermediation Trades



## Sold Protection

- Credit intermediation trades entered into between 2004 & 2007
- No mortgages as reference assets
- Significant subordination (first loss protection)
- CDS protection was sold to bank counterparties
- Reference Assets – 38 structures, mix of CDO, CLO and Bonds/ FRNs

## Bought Protection

- All CDO and CLO structures are highly subordinated, NO first loss to ANZ on any structure
- CDS protection purchased over the same structures to mitigate risk
- 8 counterparties (some of which are monolines)
- One financial guarantor defaulted during FY 08. Credit spreads increased on the remaining guarantors reducing the market value of the protection

**Net cover**

Difference between market value of sold and bought protection is reflected as Credit Risk on Derivatives. At 30 September this was US\$425m.  
This is expected to be substantially recovered over time

# Credit Intermediation Trade Structures



Type of structure	Portion of Notional	Mark to Market	No. of structures	No of names	Average Remaining Life (Years)	Attach/Detach Average
<b>Synthetic CDO</b>	\$8.9bn	\$1,105m	20	~ 650	6	Attach Avg 19% Detach Avg 43%
<b>CLO</b>	\$1.3bn	\$105m	10	~ 700	11	Attach Avg 29% Detach Avg 100% (Super Senior)
<b>Other (bonds)</b>	\$1.0bn	\$143m	8	4	-	-
<b>Total</b>	<b>\$11.2bn</b>	<b>\$1,353m</b>	<b>38</b>	-	-	-

CDOs - 20 transactions that reference synthetic, all of which are rated investment grade . 75% of the underlying reference assets are investment grade corporates with concentrations (approximately 30% each) in consumer goods/services and financials, with the remainder diversified across 8 other industry sectors.

CLOs – 10 transactions that reference CLO trades, all structures are super-senior (i.e. detach at 100%). The underlying assets largely are largely senior-secured loans issued by corporates with high concentrations (approximately 25% each) in consumer goods/services and industrial sectors with the remainder diversified across 10 sectors.

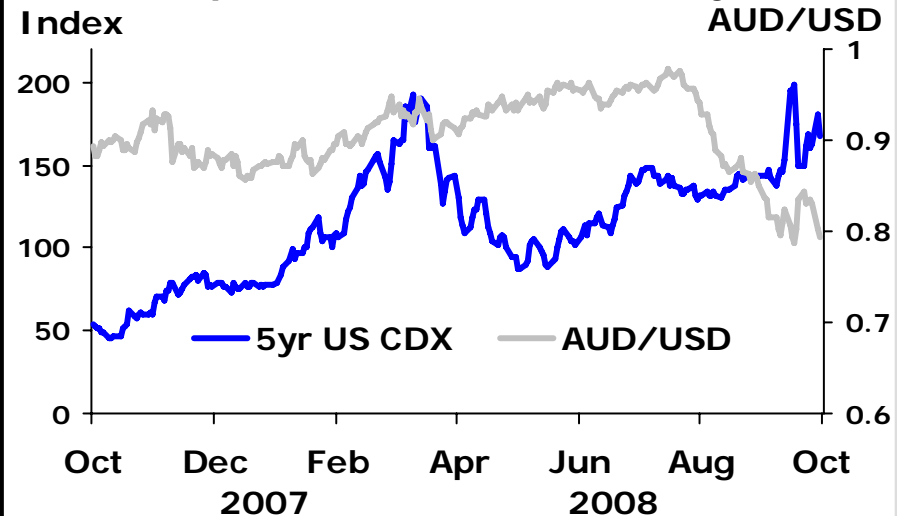
# Negative mark to market on sold protection not fully offset by value of purchased protection



## Counterparty (Bought protection)

Rating	No.	Notional Principal Amount (USD m)	Mark to Market (USD m)	Credit risk on derivatives (USD m)
AAA/Aaa	4	9,033	1,092	269
B/Ba2	1	433	46	
BBB+/A3	1	86	5	
BBB-/B2	1	356	54	
Defaulted monoline	1	1,333	156	156
	<b>8</b>	<b>11,241</b>	<b>1,353</b>	<b>425</b>
Position at 28 July update		11,630	1,140	369

## MtM impacted by volatility in CDS spreads\* and US currency



## Measurement of Credit Risk on Derivatives

- One financial guarantor has defaulted
- Valuation then considers receivables from the remaining financial guarantors based on appropriate credit spread for each counterparty
- Valuation adjustment can be likened to a collective provision

\* US5 Yr CDS index shown as an example of CDS trends. Mark to market impacted by actual underlying corporate CDS spreads

# Stress test on Credit Intermediation trades analysing likelihood of cash losses



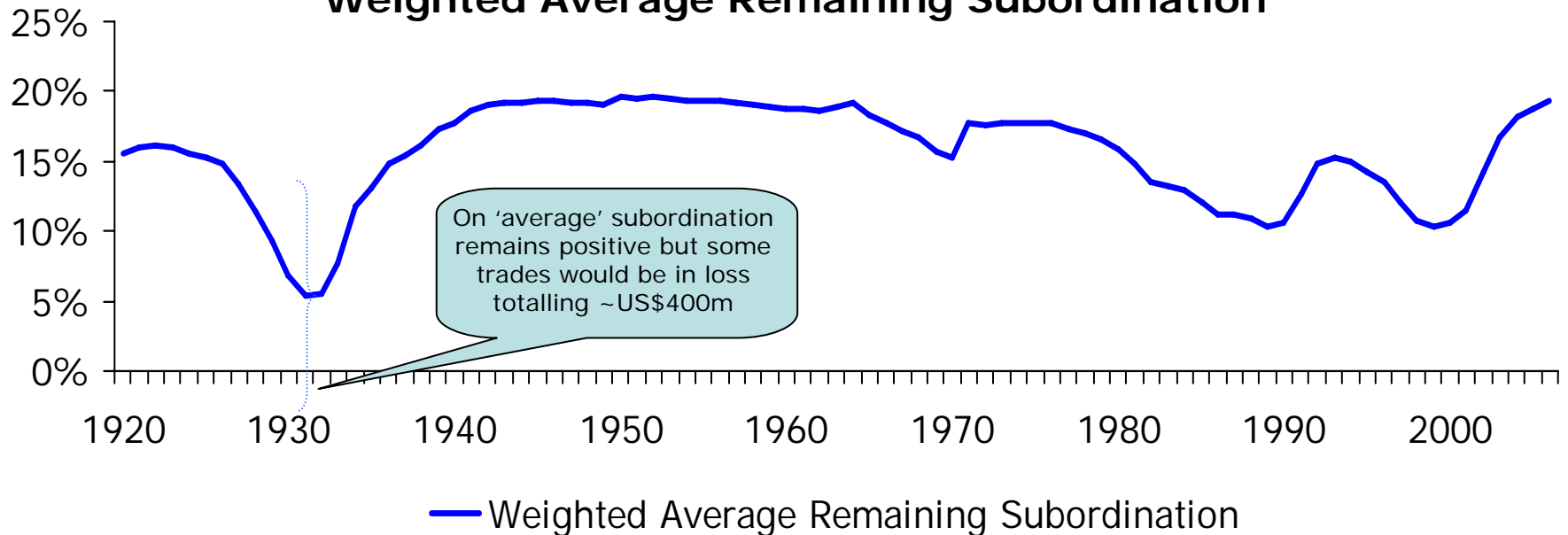
## Data used in stress test

- Moody's historical corporate default rates going back to 1920\*
- Analysed cumulative default rates and likelihood of breaching attachment point for each CDO & CLO

## Conclusion

- Only in Great Depression scenario did any tranches breach attachment points
- Even using that scenario majority of trades still remained safe
- Total realised cash losses approx ~US\$400m under the stress scenario and only if financial guarantors default as well (i.e. double default event)

## Weighted Average Remaining Subordination



\* Data set included all companies analysed/rated by Moody's



For further information visit

**[www.anz.com](http://www.anz.com)**

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