

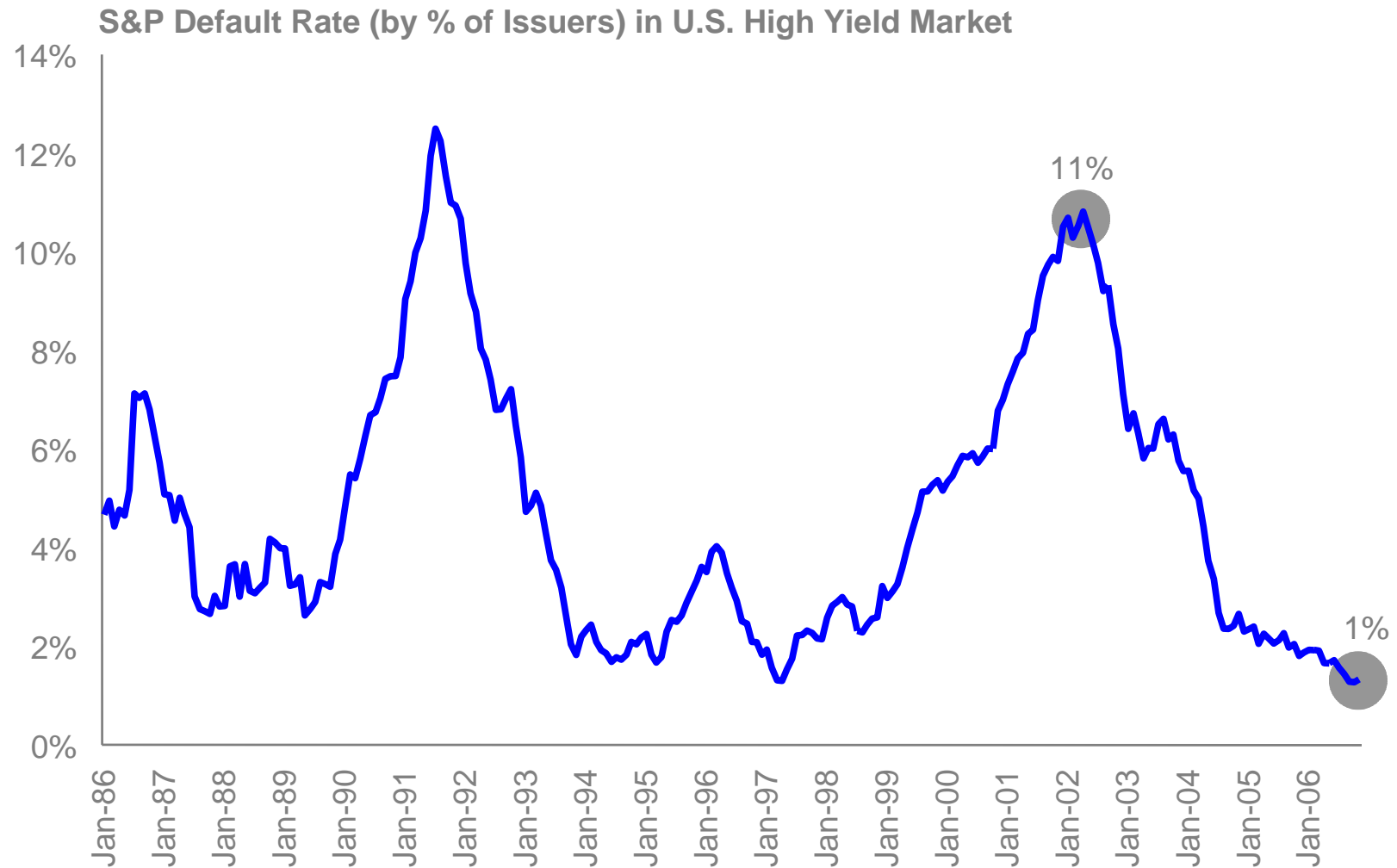
# Current Credit Environment

On the surface all looks good

- Corporate balance sheets remain healthy
- Corporate earnings are high
- Unemployment and inflation are low
- Default rates are at record low levels
- More liquid debt market than ever
  - High investor confidence
  - New debt structures and instruments
- A great time to be a credit investor.....or is it?



# Current High Yield Default Rates at Cyclical Lows



Source: credit\credit presentation 2007



# Risk Premiums at Historic Low Levels

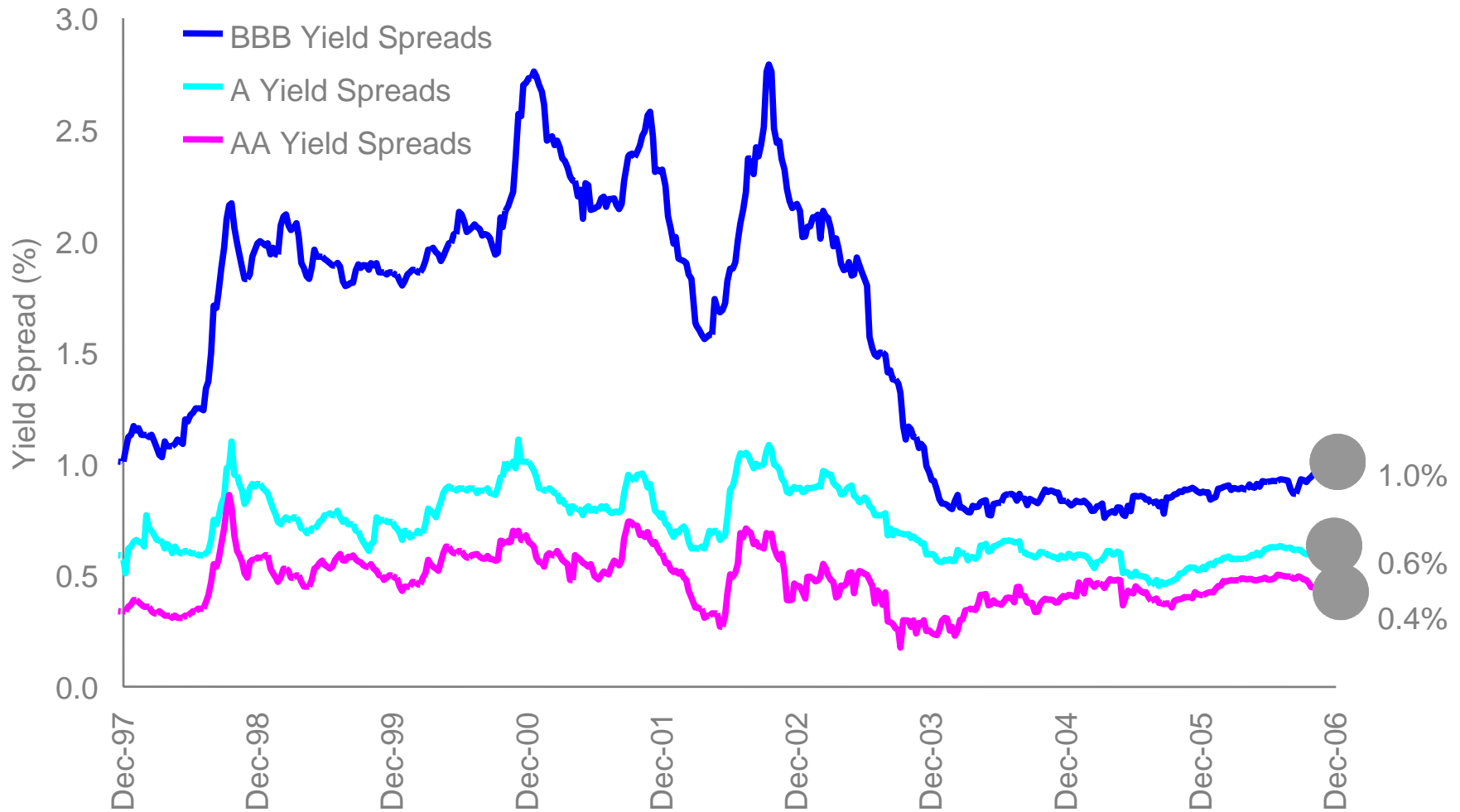


Source: credit\credit pres...(ML master ...) 12/31/06



# Cautious Over the Corporate Bond Market

## Yield Spreads Relative to Canadas\*



\* Source: SC Mid-Term Bond Index

Source: bonds/charts/credit.../bbb&aa ... 1/17/07



# Sampling of Current Risk Premiums versus Previous Peaks

## Canadian BBB/BB Issuers (5-year New Issue Spreads)

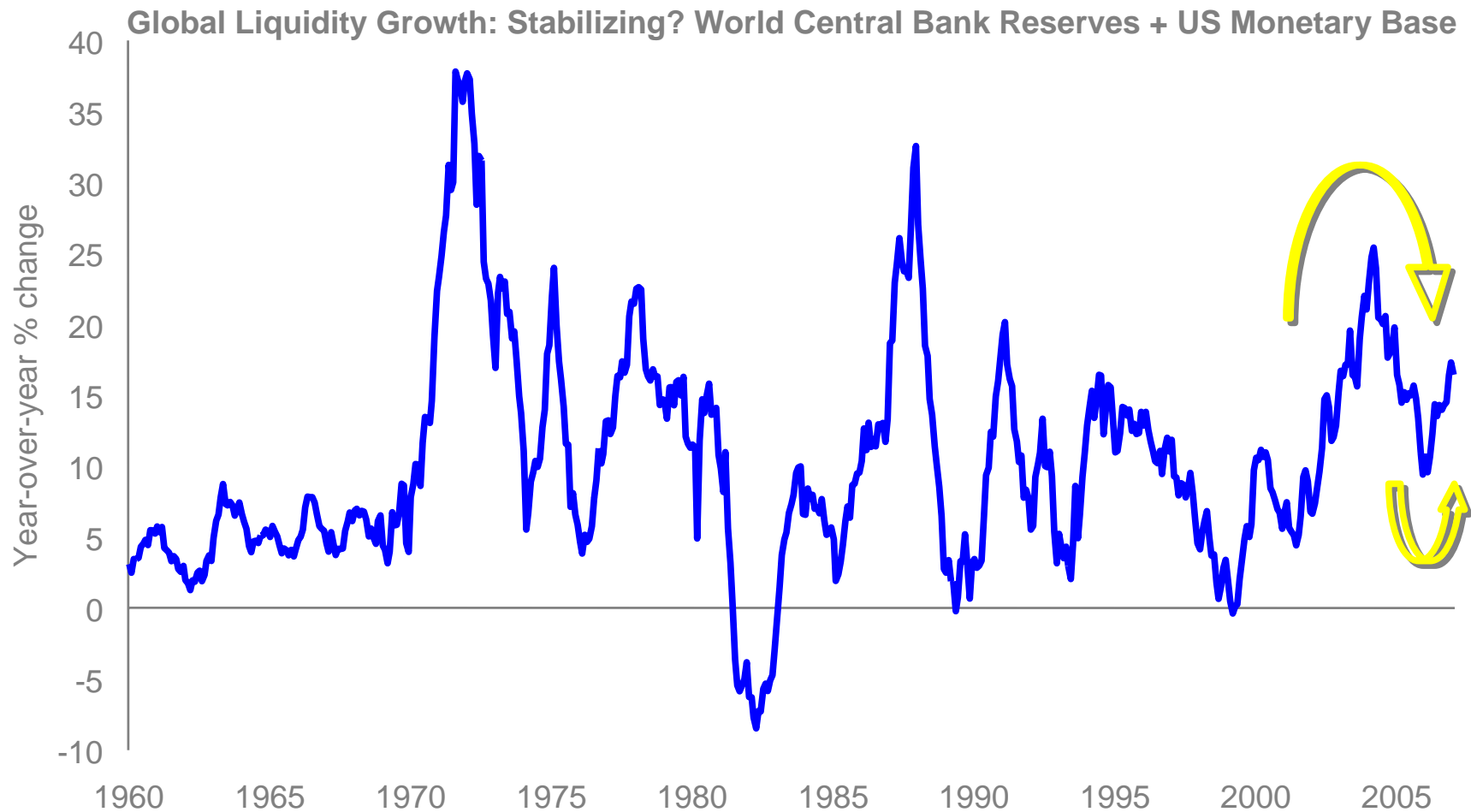
	<u>Jan 2007</u>	<u>Sept 2002</u>
BCE	+60	+250
Telus	+55	+2000
Fining	+75	+250
Rogers Cable	+150	+500
Cogeco Cable	+175	+550
Shaw Comm.	+150	+450

## Global Issuers

<u>Country</u>	<u>Maturity</u>	<u>Jan 2007</u>	<u>Sept 2002</u>
Brazil	2012	+95	+1675
Colombia	2012	+120	+875
Mexico	2012	+70	+290
Peru	2012	+90	+775
Philippines	2010	+100	+500
Russia	2010	+70	+510
Lebanon	2016	+450	+1250
Venezuela	2018	+225	+1100
Iraq	2028	+550	N/A (deal issued Jan/06)



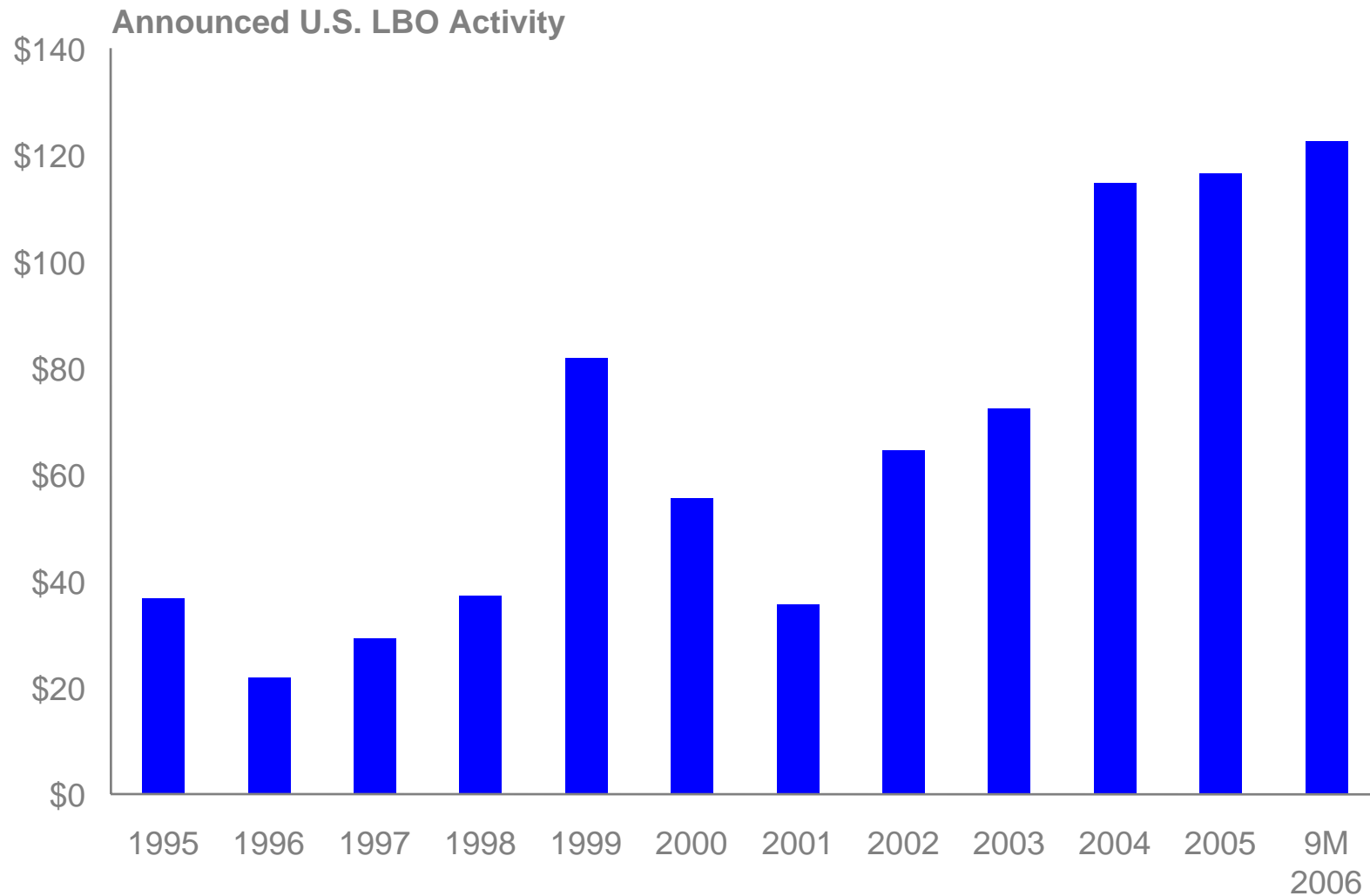
# Ongoing Support from Global Liquidity



Source: IMF, US Federal Reserve



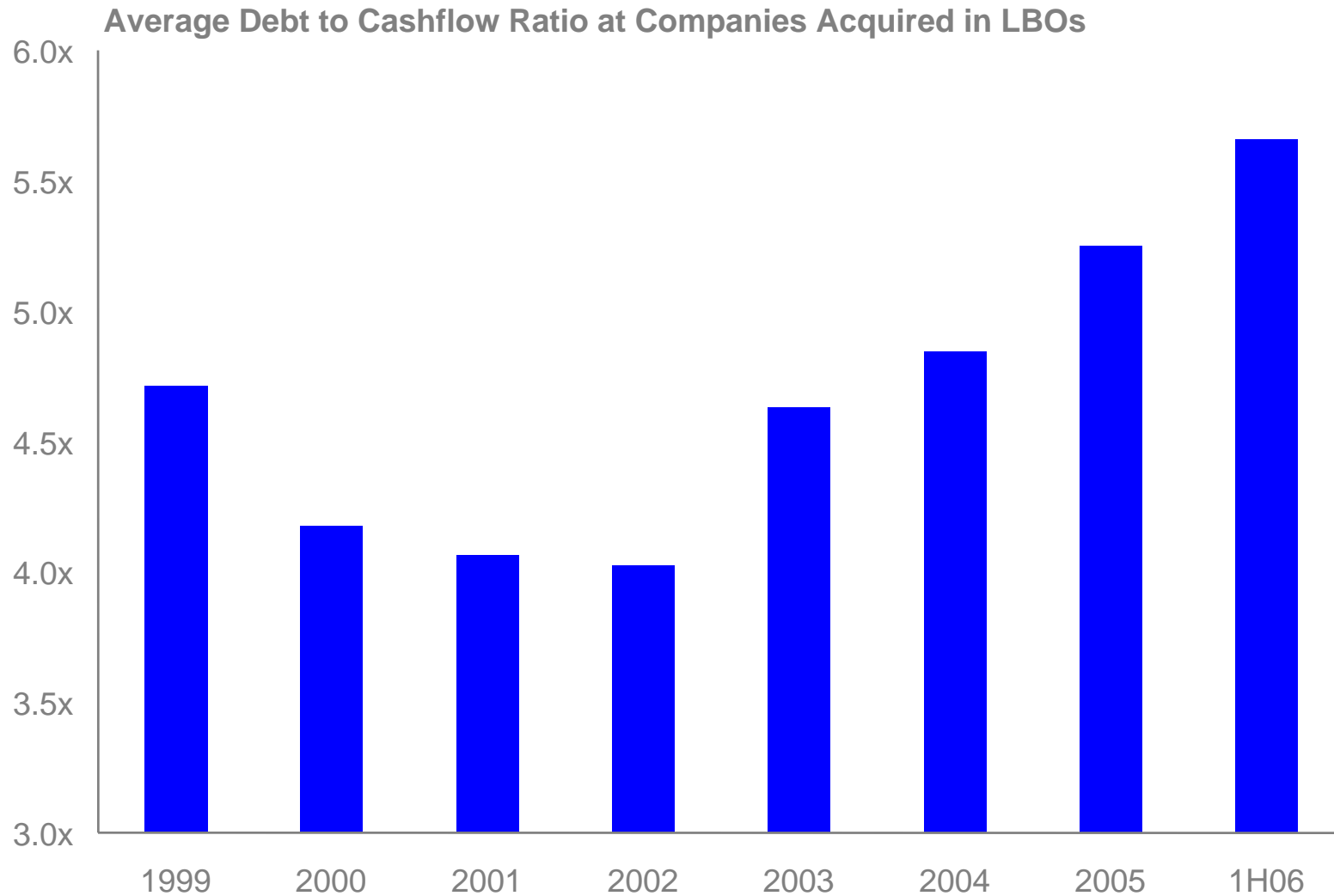
# Volume of LBO Activity (in Billions)



Source: credit\credit presentation 2007



# LBO Leverage Approaching Previous Peak Levels

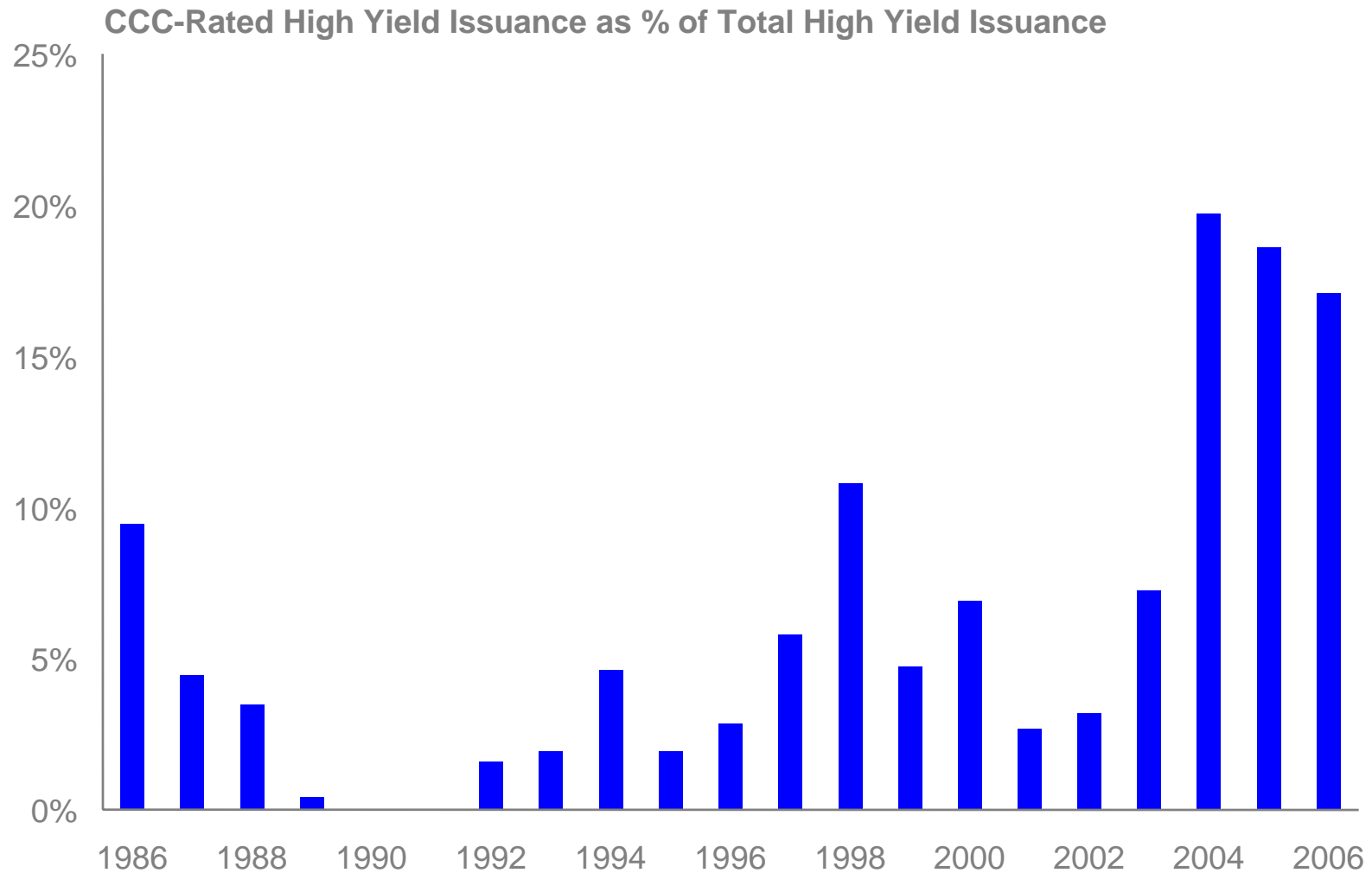


Source: Standard & Poor's

Source: credit\credit presentation 2007



# Proportion of CCC-Rated High Yield Issuance Maintaining Peak Levels



Source: credit\credit presentation 2007



# Structured Credit Products Pose Significant Systemic Risks

- The marginal buyers of credit risk today are structured vehicles such as collateralized debt obligations (CDOs) and collateralized loan obligations (CLOs).
- The boom in CDO issuance underpins much of the current credit landscape including:
  - LBO-driven leveraged loans and high yield bonds
  - sub-prime mortgages
  - infrastructure financing
  - emerging market debt



# CDO Structure

## Creating Varied Levels of Credit Exposure

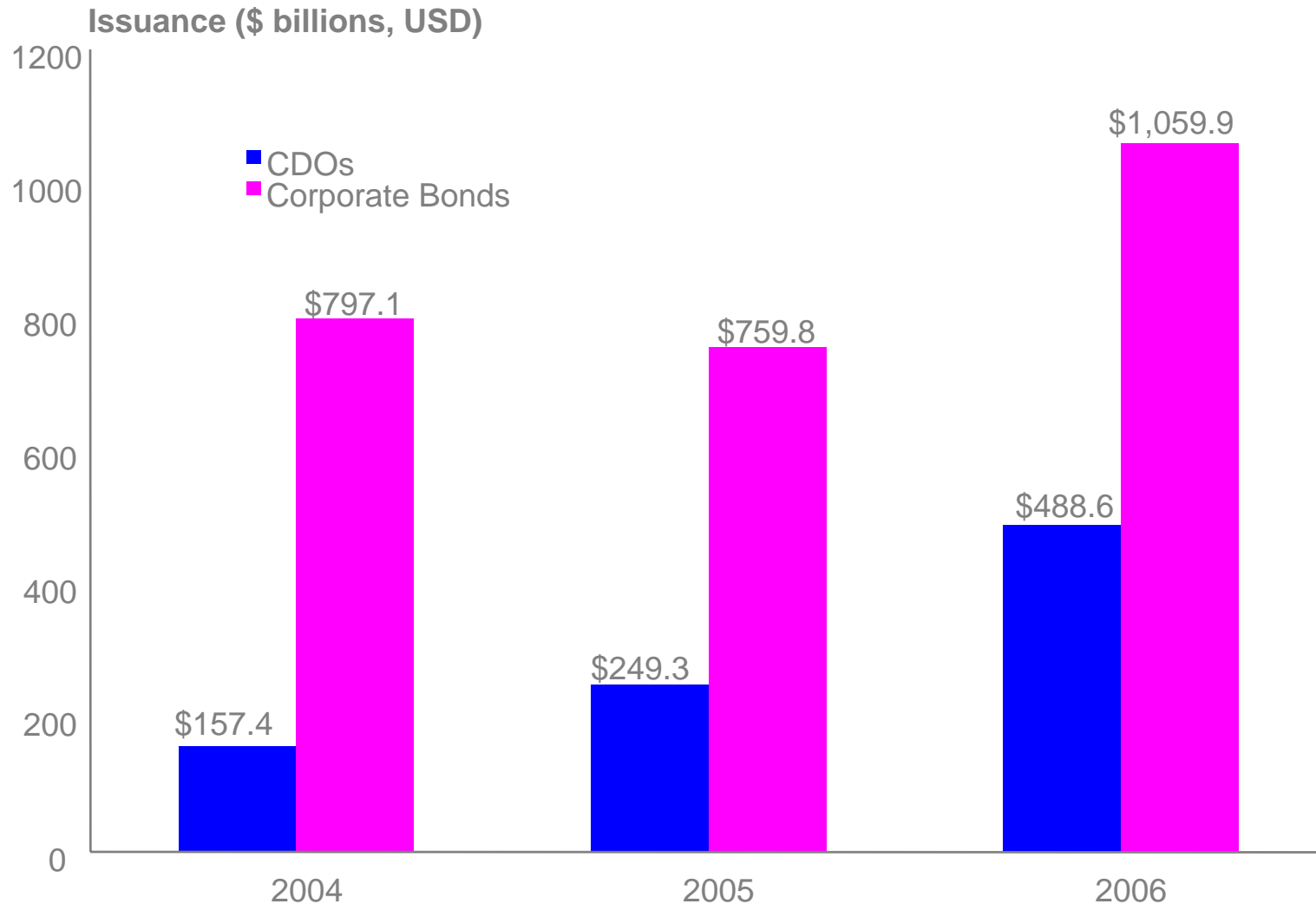
Tranche	% of Capital Structure	Rating	Coupon
Super Senior	77.5%	AAA	LIBOR +26 bps
Senior	9.0%	A	LIBOR +75 bps
Mezzanine	2.75%	BBB	LIBOR +180 bps
Junior Mezzanine	2.75%	BB	LIBOR +475 bps
Equity	8.0%	NR	Residual cash flow

- Low quality debt can be repackaged to create AAA- rated securities
- Permits investors to select desired level of credit exposure
- However, ratings often driven by quantitative models rather than fundamental analysis

Source: Douglas Lucas, "The Evolving CDO Market"  
Merrill Lynch, Credit Derivatives Handbook 2006



# CDOs – Big Business in Fixed Income Markets

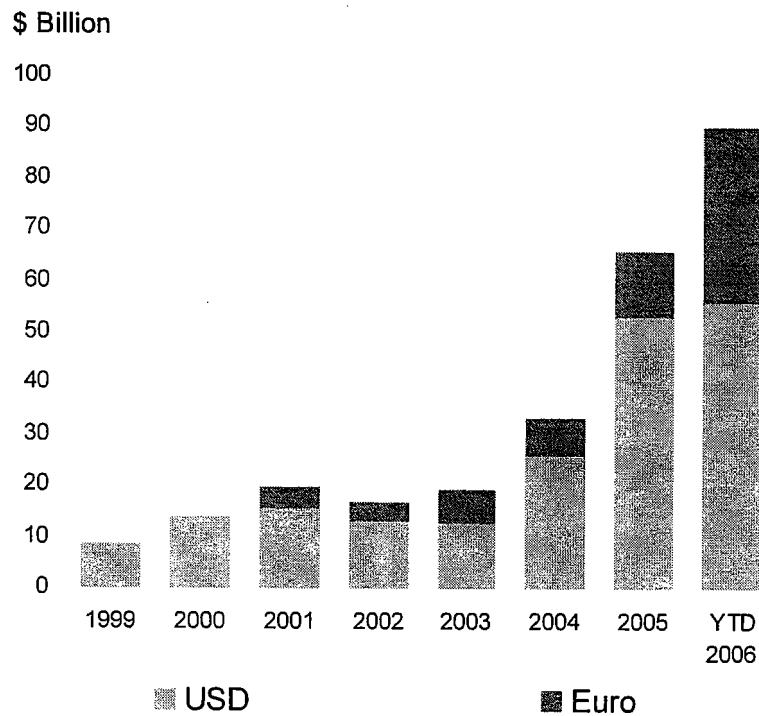


Source: SIFMA



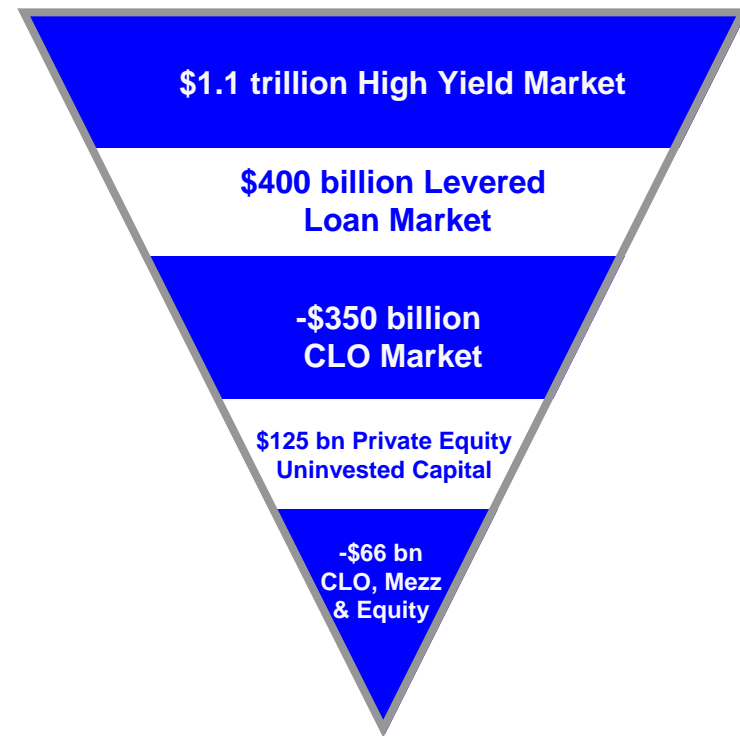
# So Much Rests on So Little

**CLO Issuance Boom**



Source: Morgan Stanley, Moody's

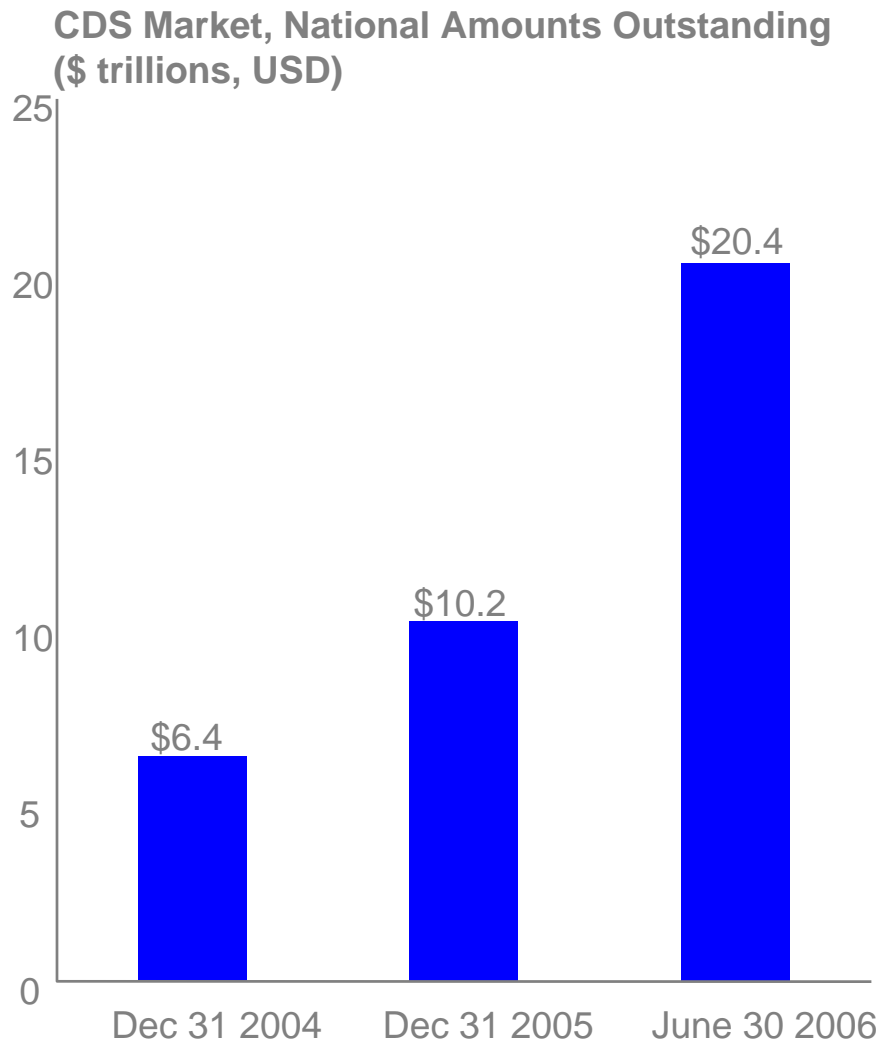
**Inverted Investment Pyramid**



Source: Morgan Stanley



# Extraordinary Growth in Credit Default Swaps



- By comparison, global corporate bond market as at June 30, 2006 was \$5.6 T.

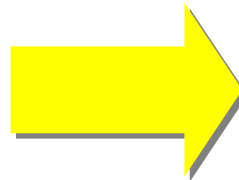
Source: BIS



# CDS – What Are They?

Buy a Corporate Bond

*“Get a Bundle of Risks”*



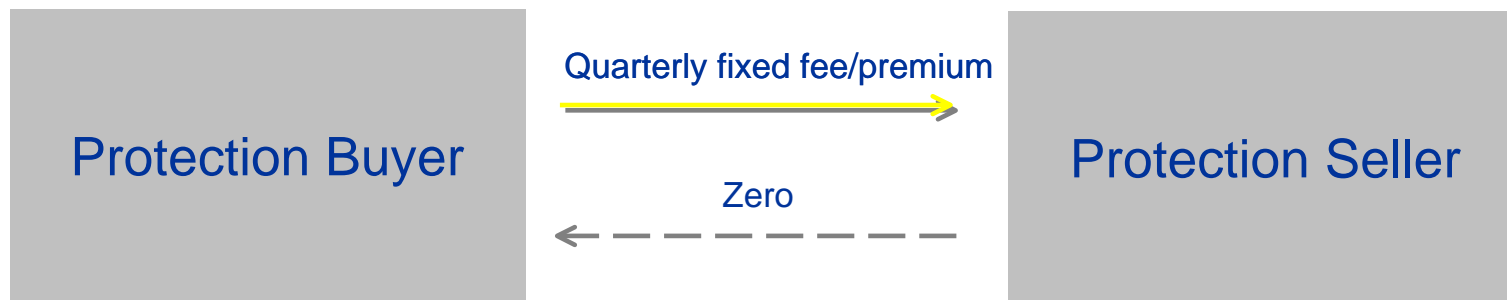
Buy a Credit Swap

*“Isolate One Risk”*

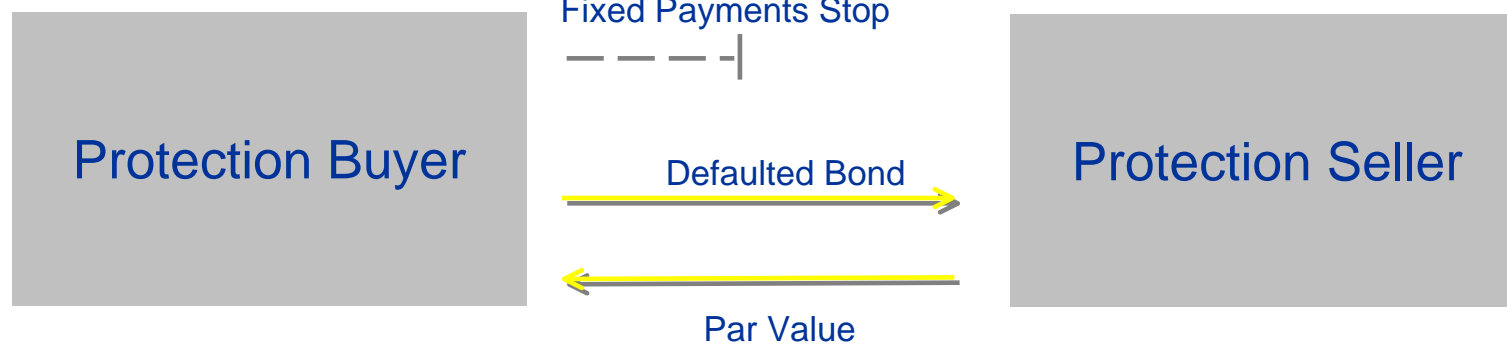


# CDS – How Do They Work?

## Before Credit Event



## Upon Credit Event



# CDS and Leverage

- CDS have dramatically improved liquidity in credit markets
- But they also facilitate leveraged exposure to credit
  - Hedge funds are major users of CDS (possibly >50% of all CDS trading)\*
  - New structured vehicles (eg. CPDOs, CPPIs, CDPCs) involve high degrees of leverage.

\* Source: Financial Engineering News



# Current Credit Environment – Summary

- A number of warning signs that credit cycle entering dangerous territory:
  - record LBO activity (9 of the 10 largest LBOs in history occurred last year)
  - amount of leverage applied to recent LBOs approaching previous peaks
  - record issuance of structured credit products causing distortions in pricing of credit
  - record issuance of high yield loans and CCC-rated bonds
  
- At the same time, the fundamental picture growing cloudier:
  - global economy slowing
  - U.S. housing market woes
  - central banks tightening across the globe
  
- Yet, risk premiums of all sorts (e.g. high yield credit spreads, emerging market spreads and subordination premiums) are all approaching historic lows



# Current Credit Environment – Summary (cont'd)

- Current abundance of liquidity from Asia, petroleum producers and hedge fund/private equity complex could allow this precarious credit environment to continue for another 12-18 months
- Eventually, however, default rates will rise from current 20-year lows causing an abrupt rise in risk aversion and in credit spreads
- While corporate balance sheets are relatively healthy, the next credit cycle could be surprisingly vicious due to:
  - role of credit derivatives and structured credit products
  - heavy issuance of secured loans making future bankruptcies or “workouts” more complex and protracted
  - presence of hedge funds in “every layer” of the capital structure (possibly a de-stabilizing force leading to more bankruptcies than previous cycles)



Investment Management Presentation

to

**CFA Victoria**

April 10, 2007

*Presented by: Damon Williams, Vice President*