

# Structured Product Details

Name	Buffered Super Track Notes linked to iShares Russell 2000 Index fund	
Issue Size Issue Price Term Annualized	Coupon	\$2.50 million \$1,000 24 Months 0.00%
Pricing Date Issue Date Valuation D Maturity Da	ate	May 22, 2009 May 28, 2009 May 23, 2011 May 26, 2011
Issuer CDS Rate Swap Rate		Barclays 152.6 bps 1.29%
Reference A Initial Lee Dividend Implied V Delta <sup>1</sup>	vel Rate	iShares Russell 2000 Index fund \$47.77 1.88% 36.88% 0.53
Fair Price at Issue Realized Return		\$965.92 24.57%
CUSIP SEC Link	lata/312070	06739JCA9 www.sec.gov/Archives/edgar/ 0/000119312509119317/d424b2.htm

Structured Products Research Report

Report Prepared On: 07/30/13

# Buffered Super Track Notes linked to iShares Russell 2000 Index fund

# Description

Barclays issued \$2.50 million of Buffered Super Track Notes linked to iShares Russell 2000 Index fund on May 28, 2009 at \$1,000 per note.

These notes are Barclays-branded Buffered PLUS securities that do not pay periodic coupons, but instead pay a single amount at maturity depending on the final level of iShares Russell 2000 Index fund.

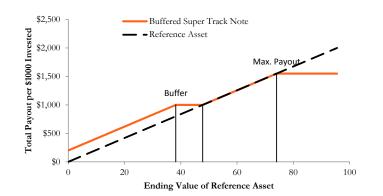
If on May 23, 2011 iShares Russell 2000 Index fund's share price is higher than \$47.77, but lower than \$74.04, the notes pay a return equal to the percentage increase in iShares Russell 2000 Index fund, up to a cap of 55.00%. If on May 23, 2011 the refe is below \$47.77 but not below \$38.22, investors receive \$1,000 face value per note. If iShares Russell 2000 Index fund's share price on May 23, 2011 is lower than \$38.22, investors receive face value per note reduced by the amount the reference asset is below \$38.22 as a percent of the initial level, \$47.77.

# Valuation

This product can be valued as a combination of a note from Barclays, one short outof-the-money put option, one long at-the-money call option, and one short out-of-themoney call option. For reasonable valuation inputs this note was worth \$965.92 when it was issued on May 28, 2009 because the value of the options investors gave Barclays plus the interest investors would have received on Barclays's straight debt was worth \$34.08 more than the options investors received from Barclays.

There is no active secondary market for most structured products. Structured products, including this note, therefore are much less liquid than simple stocks, bonds, notes and mutual funds. Investors are likely to receive less than the structured product's estimated market value if they try to sell the structured product prior to maturity. Our valuations do not incorporate this relative lack of liquidity and therefore should be considered an upper bound on the value of the structured product.

### Payoff Curve at Maturity



The payoff diagram shows the final payoff of this note given iShares Russell 2000 Index fund's share price (horizontal axis). For comparison, the dashed line shows the payoff if you invested in iShares Russell 2000 Index fund directly.

### **Related Research**

#### **Research Papers:**

www.slcg.com/research.php

- "Are Structured Products Suitable for Retail Investors?" December 2006.
- *"Structured Products in the Aftermath of Lehman Brothers,"* November 2009.
- "What TiVo and JP Morgan Teach Us about Reverse Convertibles," June 2010.

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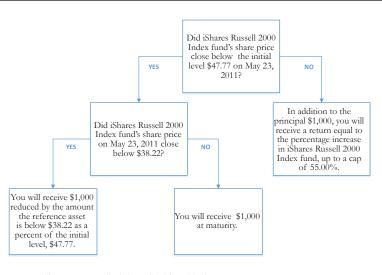
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# Principal Payback Table

iShares Russell 2000 Index fund	Note Payoff
\$0.00	\$200.00
\$4.78	\$300.00
\$9.55	\$400.00
\$14.33	\$500.00
\$19.11	\$600.00
\$23.89	\$700.00
\$28.66	\$800.00
\$33.44	\$900.00
\$38.22	\$1,000.00
\$42.99	\$1,000.00
\$47.77	\$1,000.00
\$52.55	\$1,100.00
\$57.32	\$1,200.00
\$62.10	\$1,300.00
\$66.88	\$1,400.00
\$71.66	\$1,500.00

#### Maturity Payoff Diagram

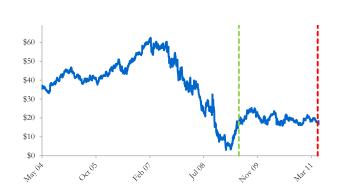


The contingent payoffs of this Buffered Super Track Note.

# Analysis

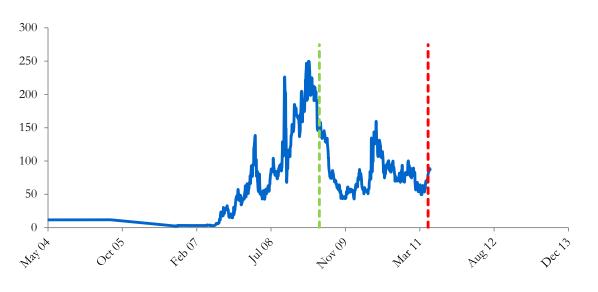
This Buffered Super Track Note pays investors the increase in iShares Russell 2000 Index fund capped at 55.00%, but if iShares Russell 2000 Index fund declines over the term of the note, investors will suffer losses equal to the percentage decline in iShares Russell 2000 Index fund. In addition, investors bear the credit risk of Barclays. Investors purchasing this Buffered Super Track Note effectively sell at-the-money put and out-of-the-money call options to Barclays, buy at-the-money call options, and a zero-coupon note from Barclays. This Buffered Super Track Note is fairly priced if and only if the market value of the options investors received from Barclays equals the market value of the options investors gave Barclays plus the interest investors would have received on Barclays's straight debt.

## **Barclays's Stock Price**

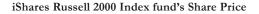


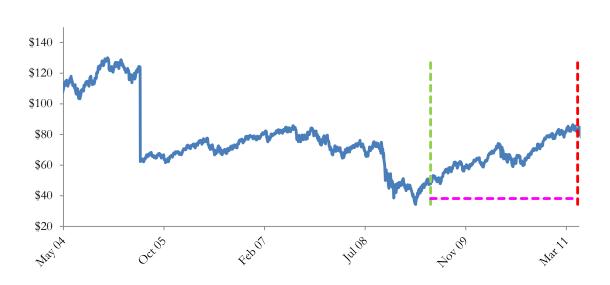
The graph above shows the adjusted closing price of the issuer Barclays for the past several years. The stock price of the issuer is an indication of the financial strength of Barclays. The adjusted price shown above incorporates any stock split, reverse stock split, etc.





Credit default swap (CDS) rates are the market price that investors require to bear credit risk of an issuer such as Barclays. CDS rates are usually given in basis points (bps). One basis point equals 0.01%. Higher CDS rates reflect higher perceived credit risk, higher required yields, and therefore lower market value of Barclays's debt, including outstanding Buffered Super Track Note. Fluctuations in Barclays's CDS rate impact the market value of the notes in the secondary market.



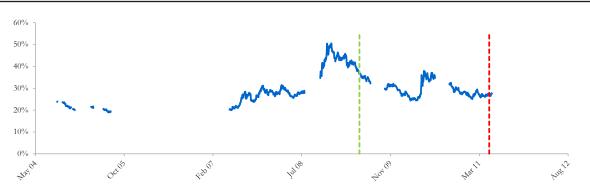


The graph above shows the historical levels of iShares Russell 2000 Index fund for the past several years. The final payoff of this note is determined by iShares Russell 2000 Index fund's share price at maturity. Higher fluctuations in iShares Russell 2000 Index fund's share price correspond to a greater uncertainty in the final payout of this Buffered Super Track Note.

### **Realized Payoff**

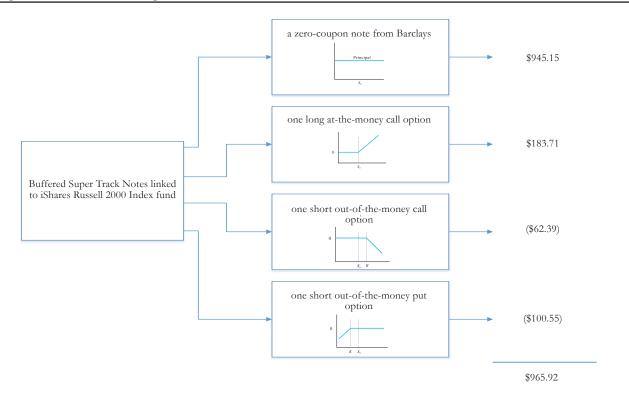
This note matured on May 26, 2011 and investors received \$1,550.00 per note.

### Reference Asset iShares Russell 2000 Index fund's Implied Volatility



The annualized implied volatility of iShares Russell 2000 Index fund on May 22, 2009 was 36.88%, meaning that options contracts on iShares Russell 2000 Index fund were trading at prices that reflect an expected annual volatility of 36.88%. The higher the implied volatility, the larger the expected fluctuations of iShares Russell 2000 Index fund's share price and of the Note's market value during the life of the Notes.

#### Decomposition of this Buffered Super Track Note



This note can be decomposed into different components, and each component can be valued separately. The chart above shows the value of each component of this Buffered Super Track Note.

- Delta measures the sensitivity of the price of the note to the iShares Russell 2000 Index fund's share price on May 22, 2009.
  CDS rates can be considered a measure of the probability that an issuer will default over a certain period of time and the likely loss given a default. The lower the CDS rate, the lower the default probability. CDS rate is given in basis points (1 basis point equals 0.01%), and is considered as a market premium, on top of the risk-free rate, that investors require to insure against a potential default.
  Fair price evaluation is based on the Black-Scholes model of the iShares Russell 2000 Index fund on May 22, 2009.
  Calculated payout at maturity is only an approximation, and may differ from actual payouts at maturity.
  Our evaluation does not include any transaction fees, broker commissions, or liquidity discounts on the notes.

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