Credit Easing Policy Tools

Package `easingr` provides convenient access to the Credit Easing Policy Tools data made available by the Federal Reserve Bank of Cleveland. The package provides data download functions and some representative plots along the same categories as provided by the bank. See the (terms of use)[http://www.clevelandfed.org/utilities/terms_of_use.cfm?DCS.nav=Footer] for these data provided by the FRB.

Summary Report

```
require(easingr)
```

```
## Loading required package: easingr
```
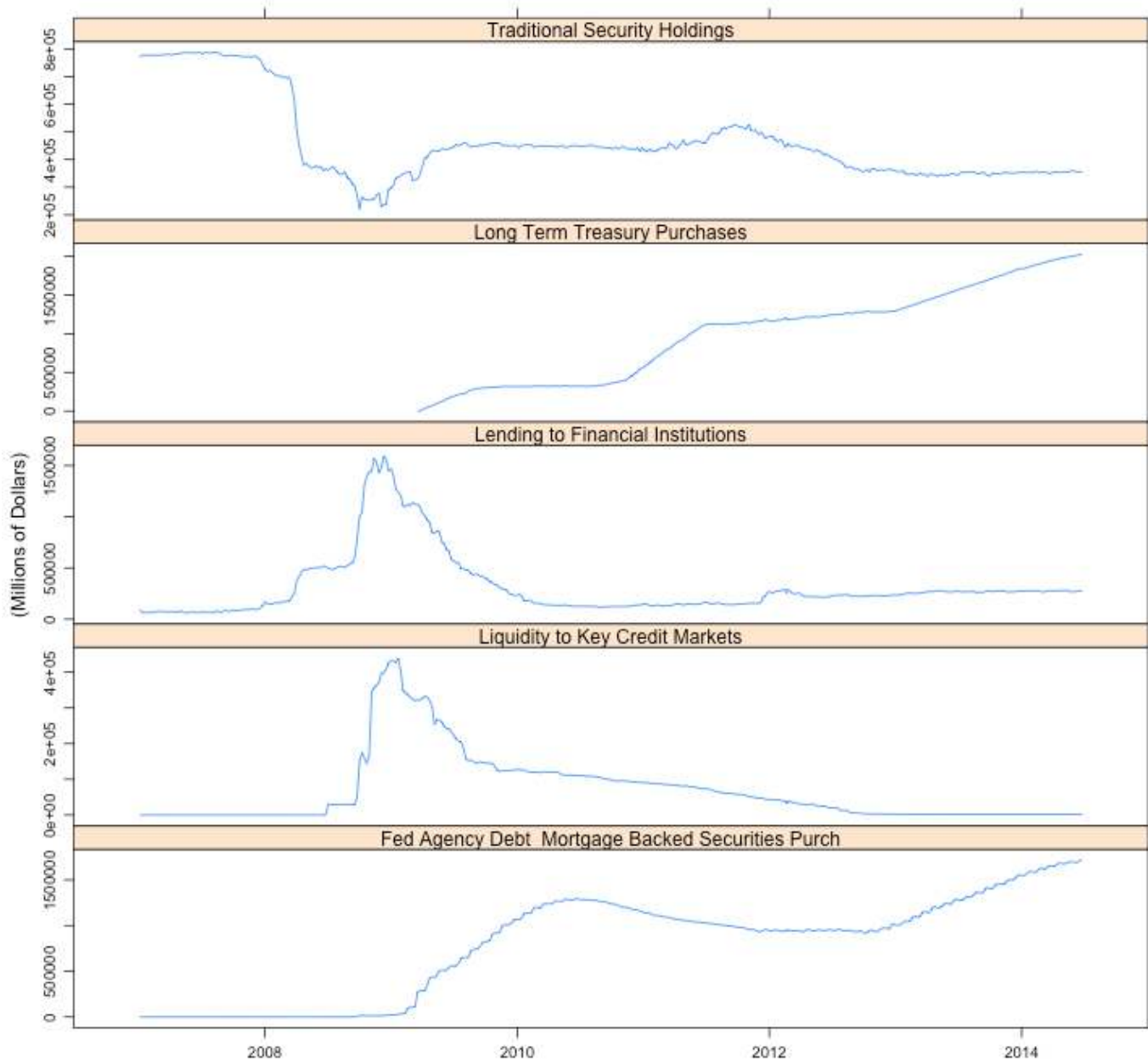
```
require(lattice)
```

```
## Loading required package: lattice
```

```
es <- getEasingSummary()
xyplot(es)
```

```
## Loading required package: xts
## Loading required package: zoo
##
## Attaching package: 'zoo'
##
## The following objects are masked from 'package:base':
##
##      as.Date, as.Date.numeric
```
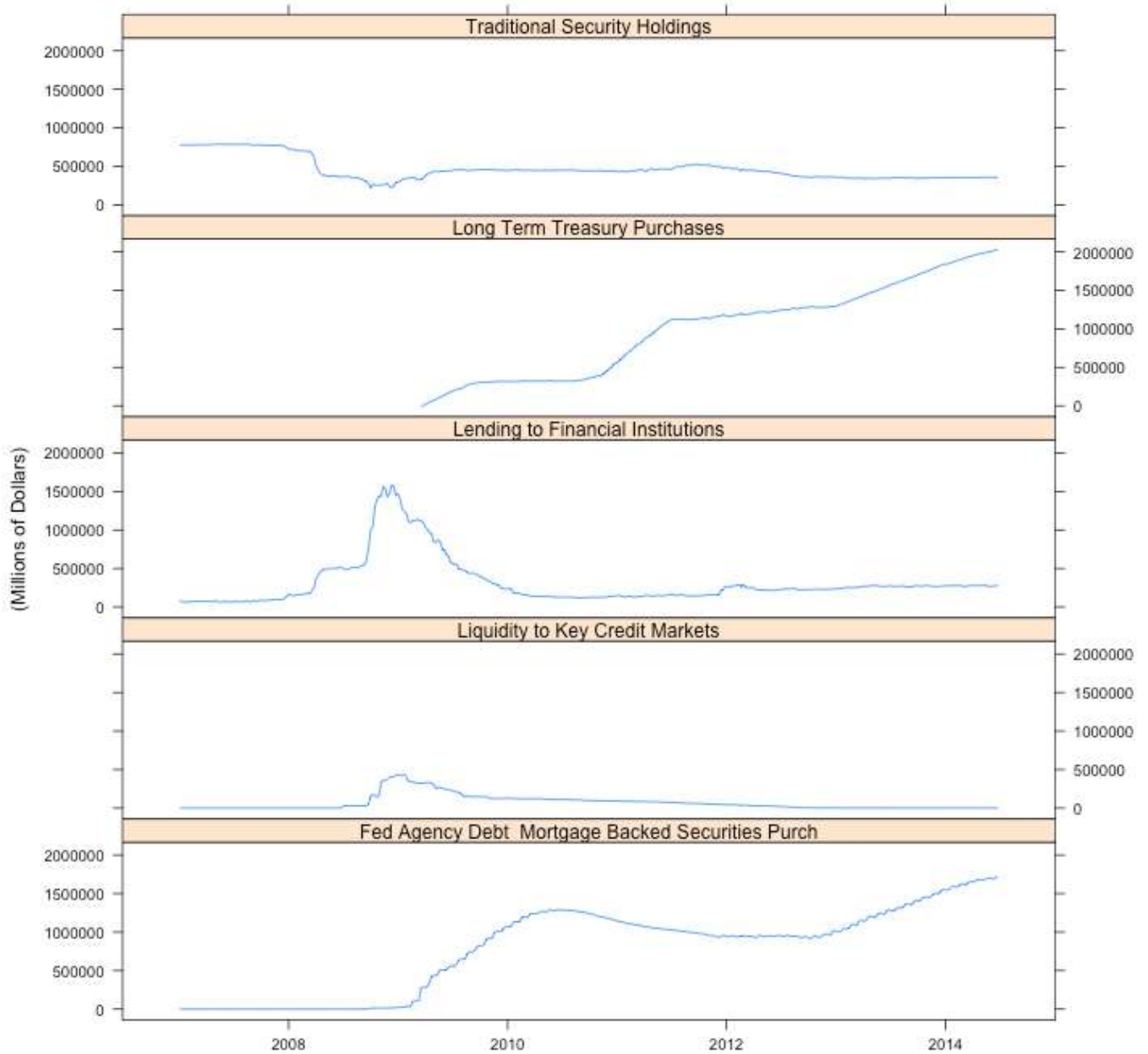
Credit Easing Policy Tools Summary

Traditional Security Holdings

Long Term Treasury Purchases

Lending to Financial Institutions

Liquidity to Key Credit Markets

Fed Agency Debt Mortgage Backed Securities Purch

(Millions of Dollars)

Source: Federal Reserve Bank of Cleveland

```
xyplot(es,scales=list(y="same"))
```

Credit Easing Policy Tools Summary

Traditional Security Holdings
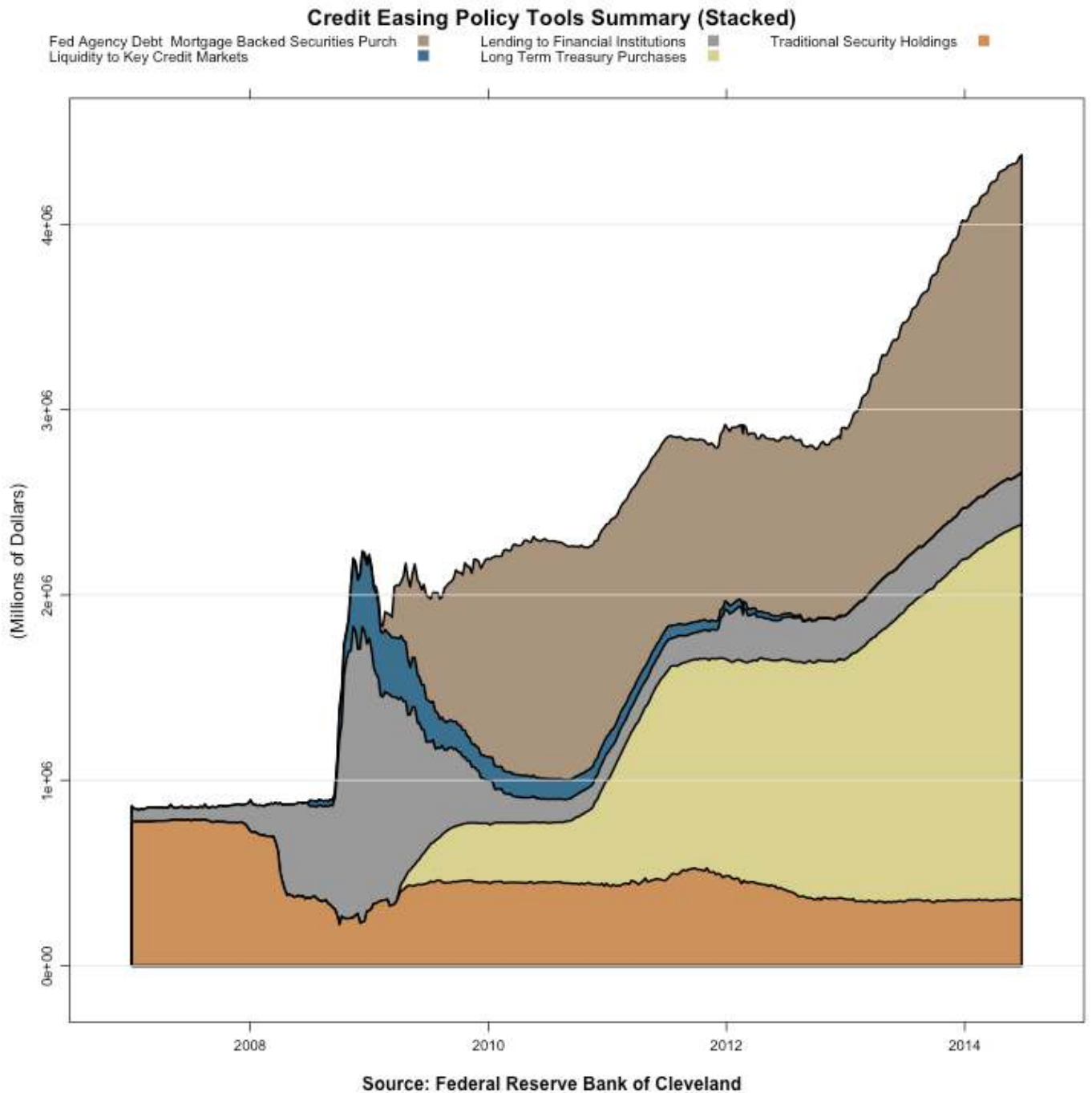
Long Term Treasury Purchases

Lending to Financial Institutions

(Millions of Dollars)

Liquidity to Key Credit Markets

Fed Agency Debt Mortgage Backed Securities Purch

Source: Federal Reserve Bank of Cleveland

```
easingLineChart(es)
```
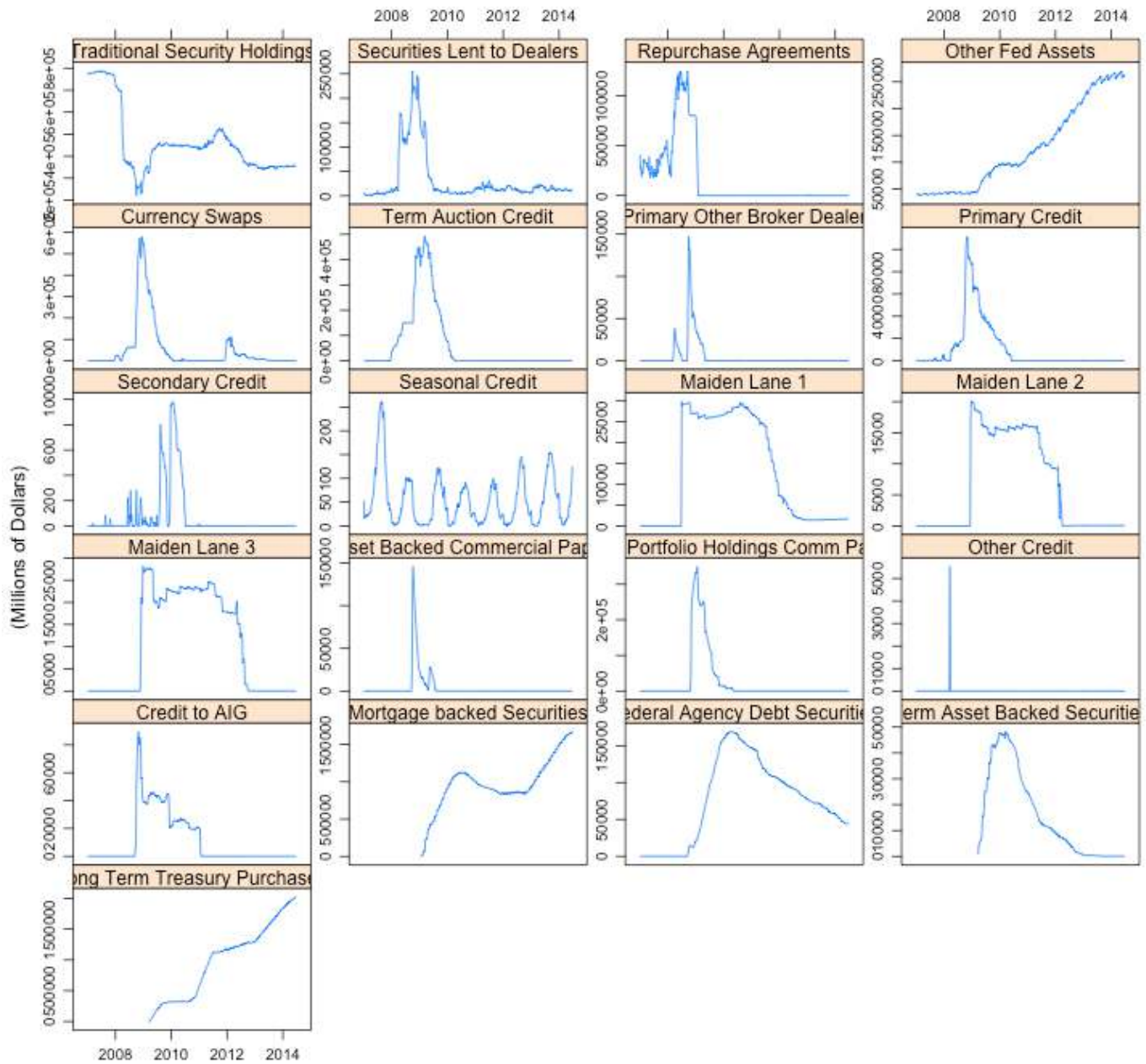
Credit Easing Policy Tools Summary

Source: Federal Reserve Bank of Cleveland

```
easingAreaChart(es)
```

Credit Easing Policy Tools Summary (Stacked)

Source: Federal Reserve Bank of Cleveland

Detail Report

```
ed <- getEasingDetails()
xyplot(ed)
```
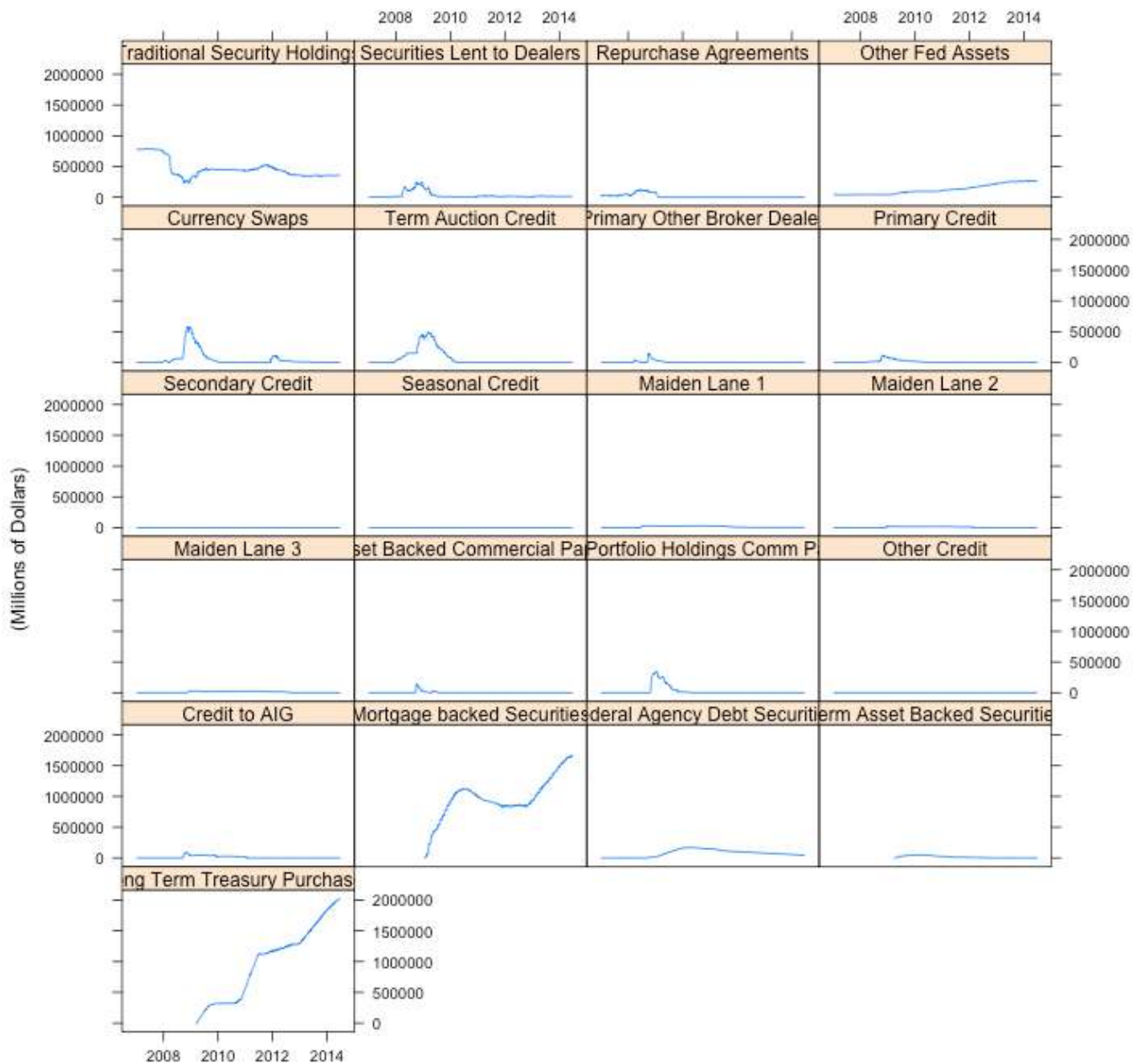
Credit Easing Policy Tools Detail

(Millions of Dollars)

Source: Federal Reserve Bank of Cleveland

```
xyplot(ed,scales=list(y="same"))
```

Credit Easing Policy Tools Detail

(Millions of Dollars)
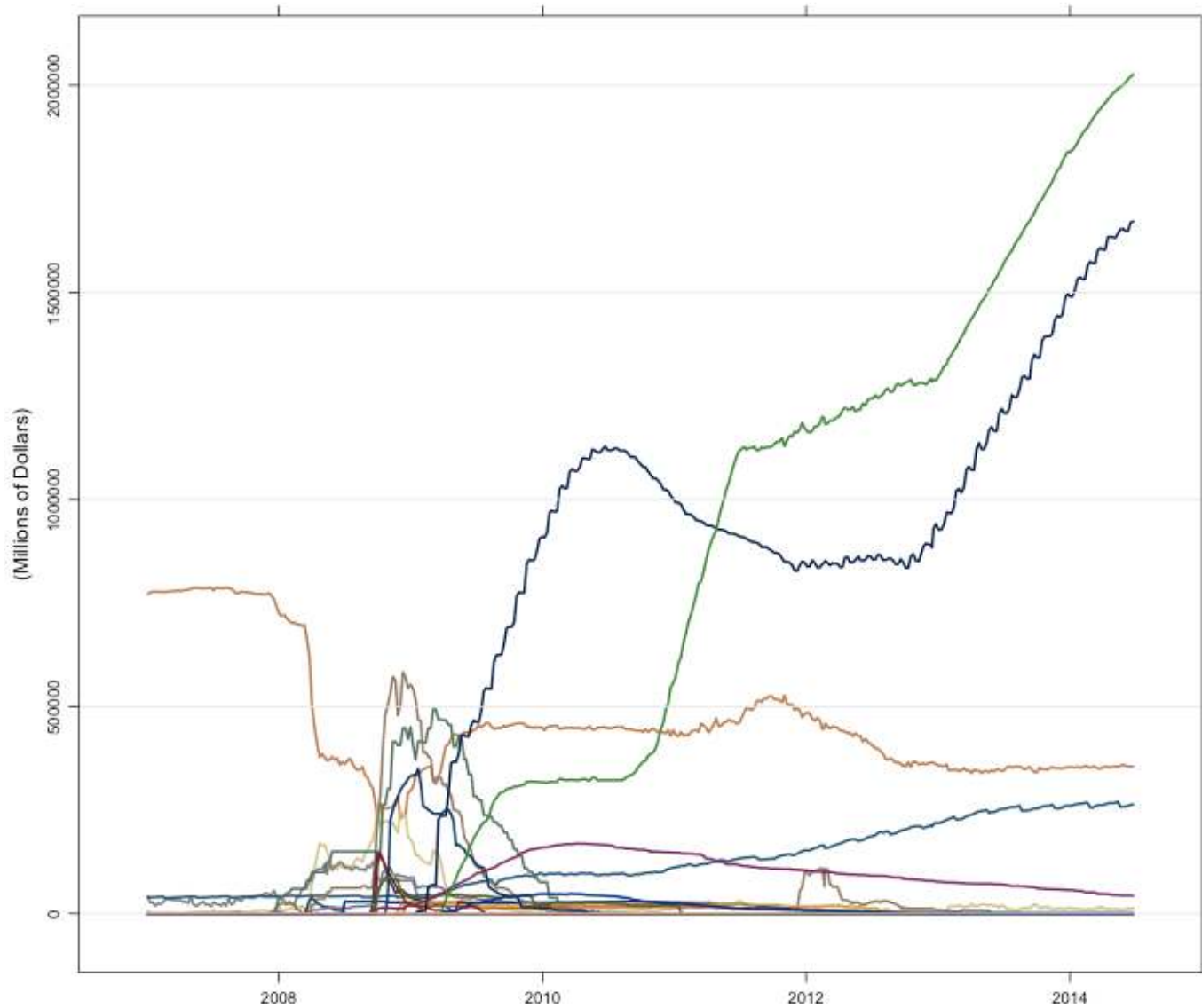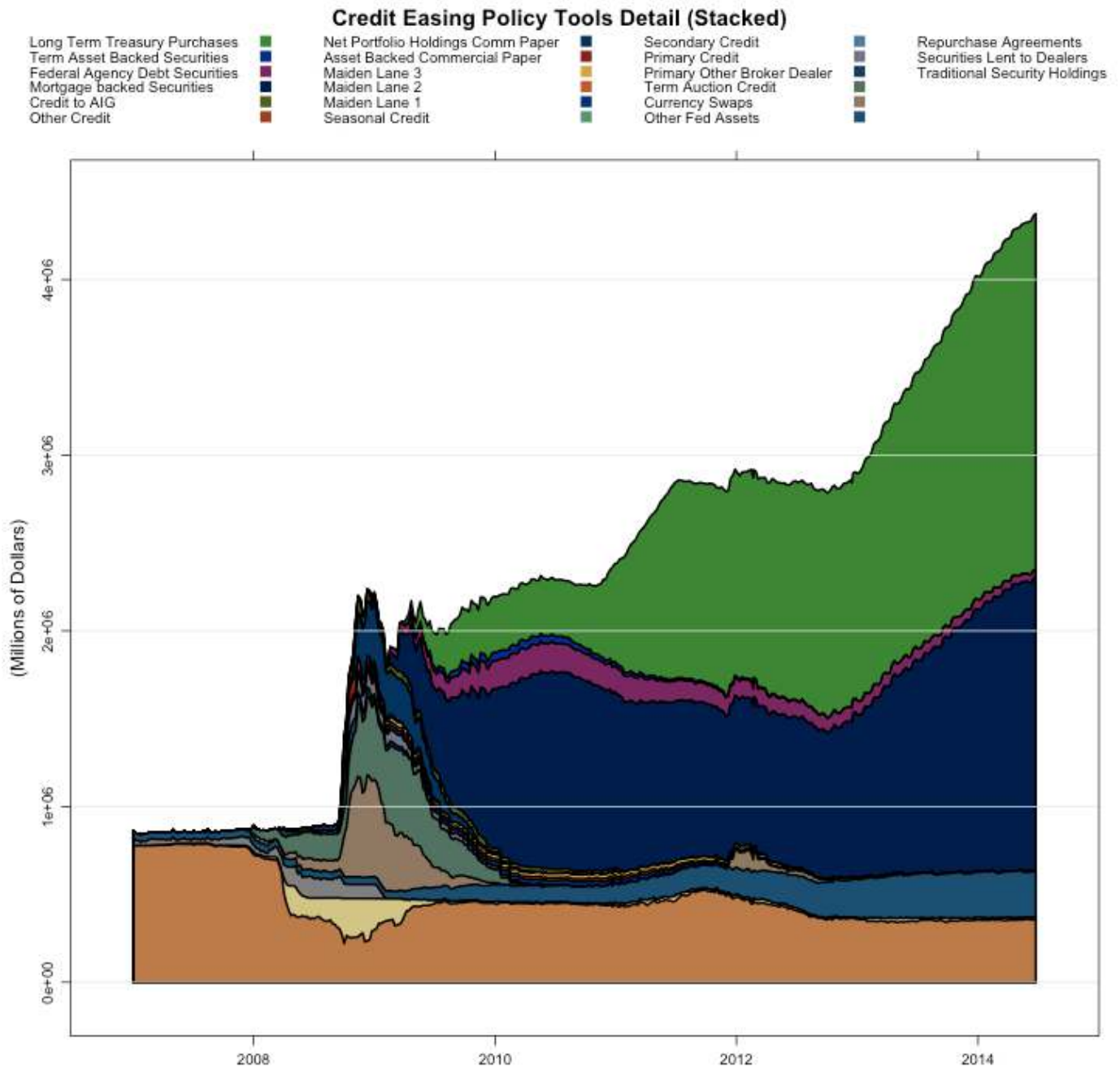
Source: Federal Reserve Bank of Cleveland

```
easingLineChart(ed)
```

Credit Easing Policy Tools Detail

(Millions of Dollars)

2000000

1500000

1000000

500000

0

2008   2010   2012   2014

Source: Federal Reserve Bank of Cleveland

```
easingAreaChart(ed)
```

Source: Federal Reserve Bank of Cleveland

Lending to Financial Institutions

```
lf <- getEasingLending()
xyplot(lf)
```
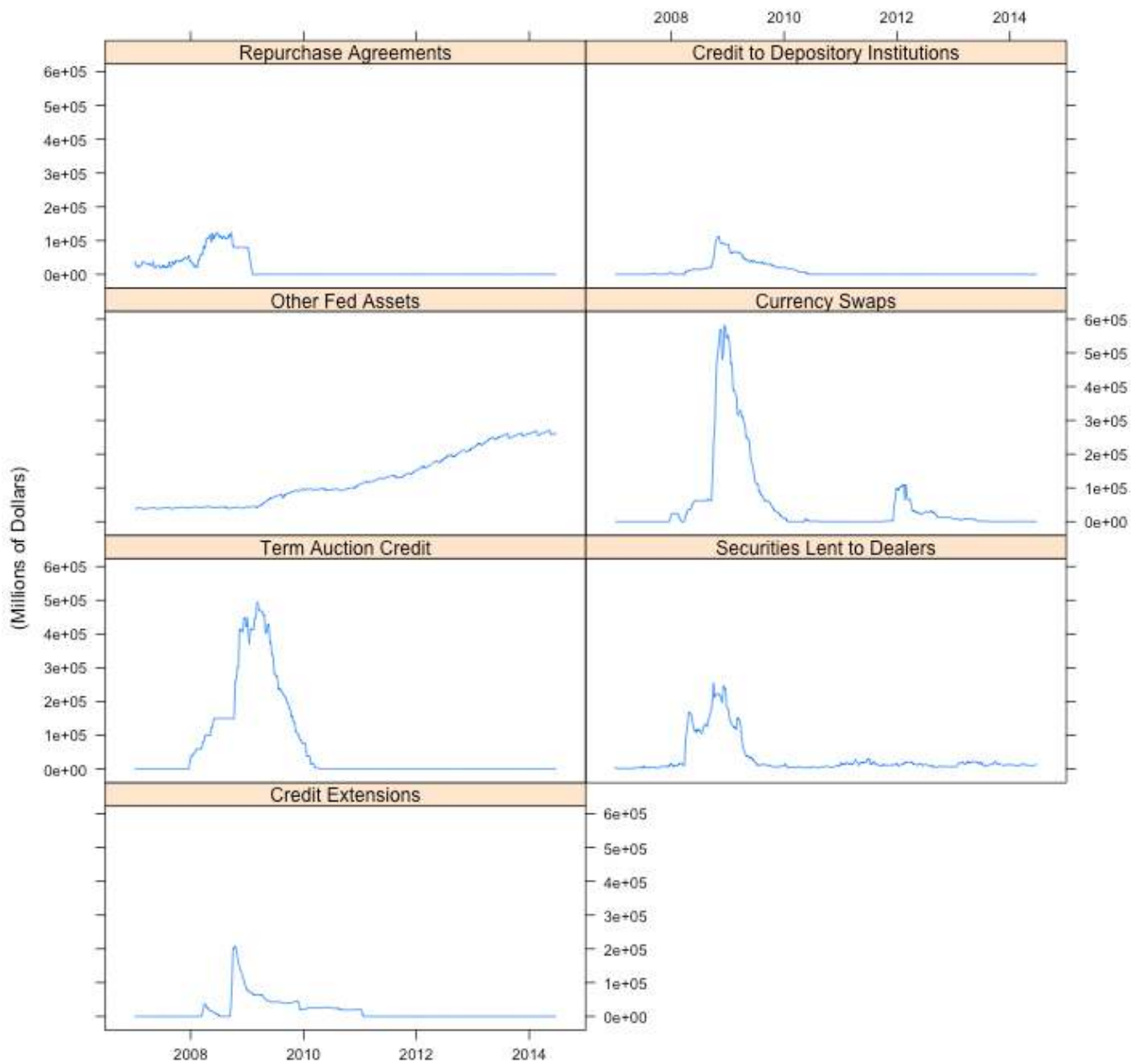
Lending to Financial Institutions
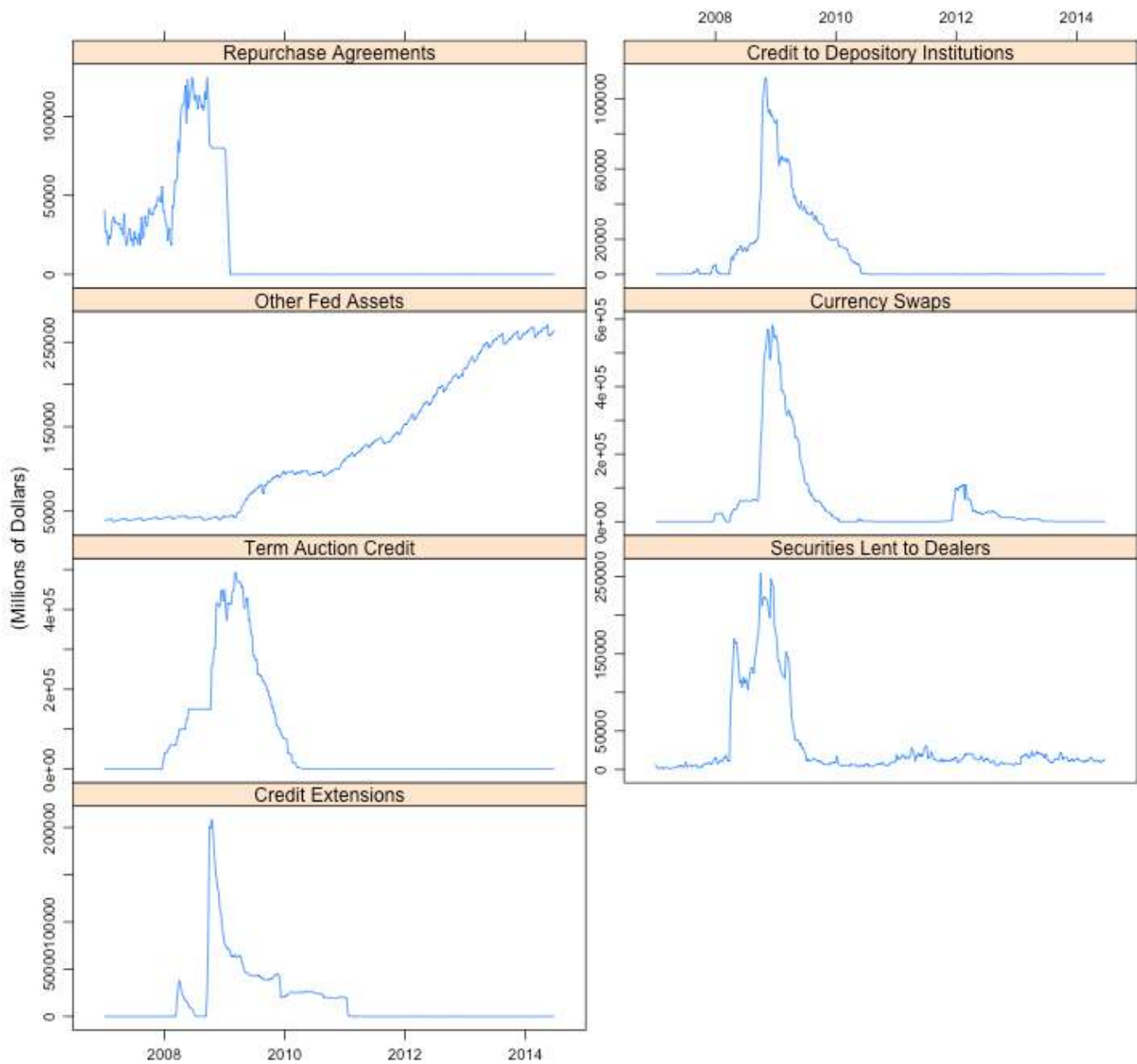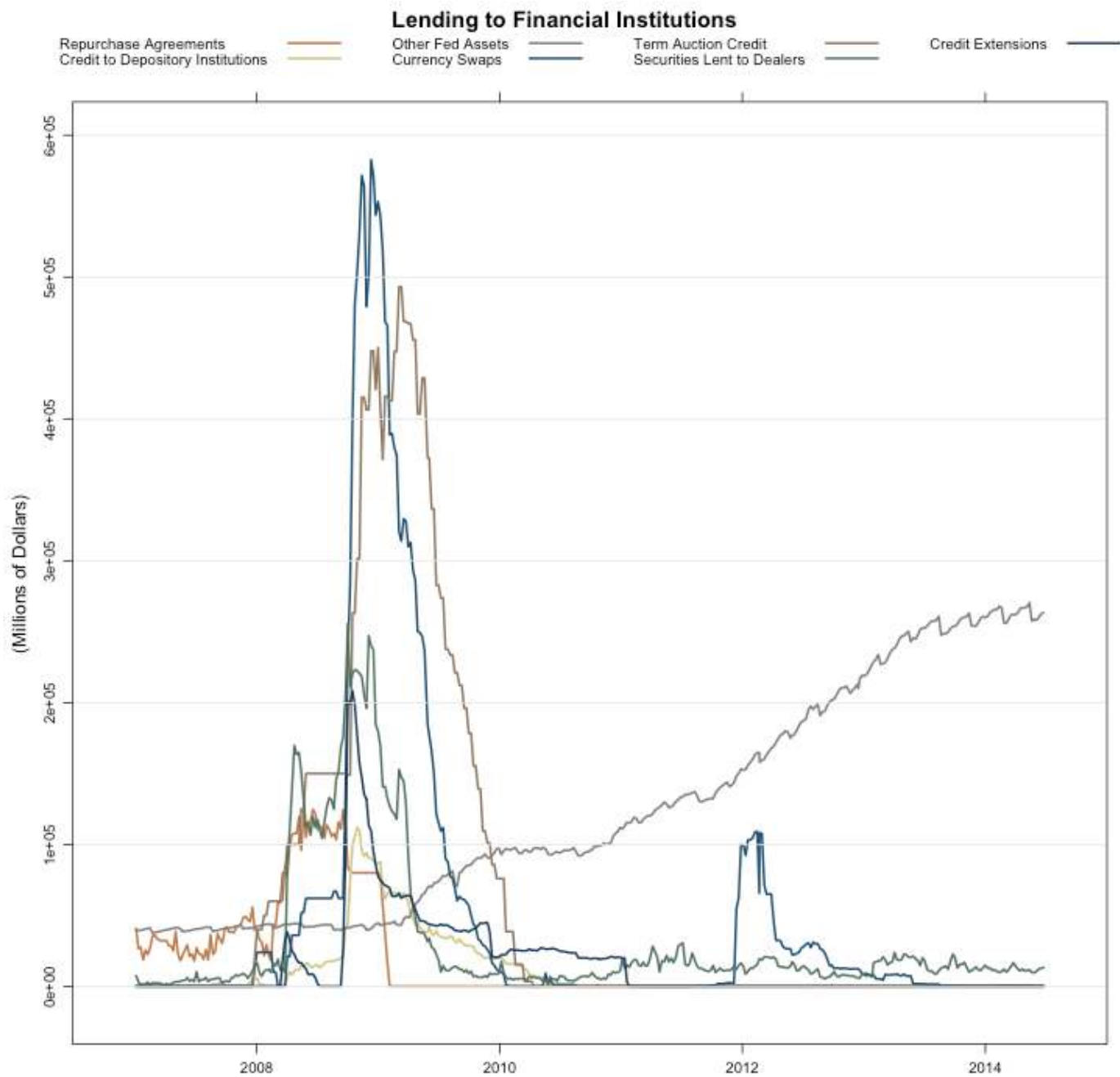

Source: Federal Reserve Bank of Cleveland

```
xyplot(lf,scales=list(y="same"))
```

Lending to Financial Institutions

Source: Federal Reserve Bank of Cleveland

```
easingLineChart(lf)
```

Lending to Financial Institutions

Repurchase Agreements
Credit to Depository Institutions
Other Fed Assets
Currency Swaps
Term Auction Credit
Securities Lent to Dealers
Credit Extensions

(Millions of Dollars)

6e+05 5e+05 4e+05 3e+05 2e+05 1e+05 0e+00

2008   2010   2012   2014

Source: Federal Reserve Bank of Cleveland

```
easingAreaChart(lf)
```
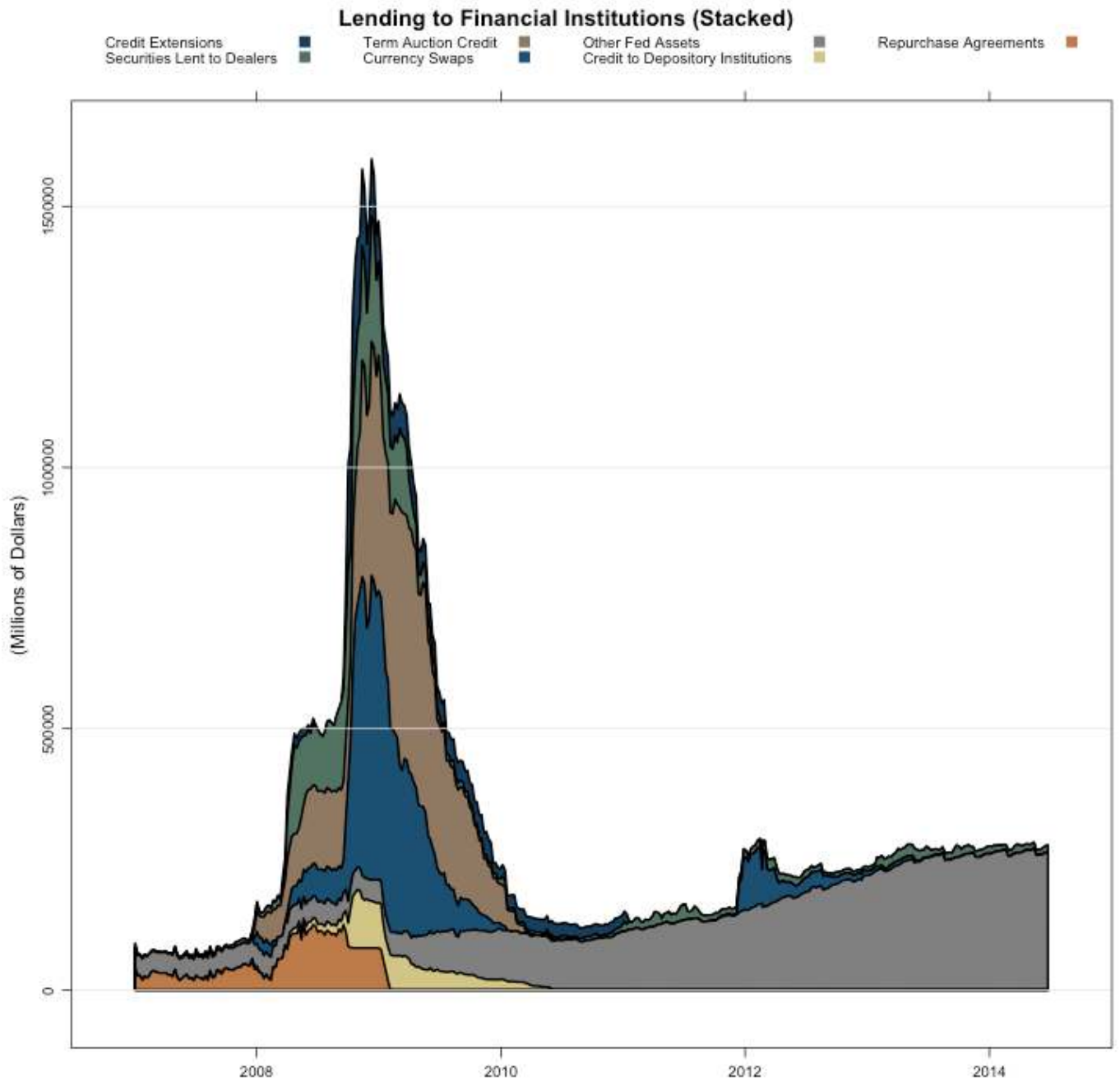
Source: Federal Reserve Bank of Cleveland

Credit to Depository Institutions

```
di <- getEasingCreditDepository()
xyplot(di)
```

Credit to Depository Institutions

Primary Credit

Secondary Credit

(Millions of Dollars)

Seasonal Credit
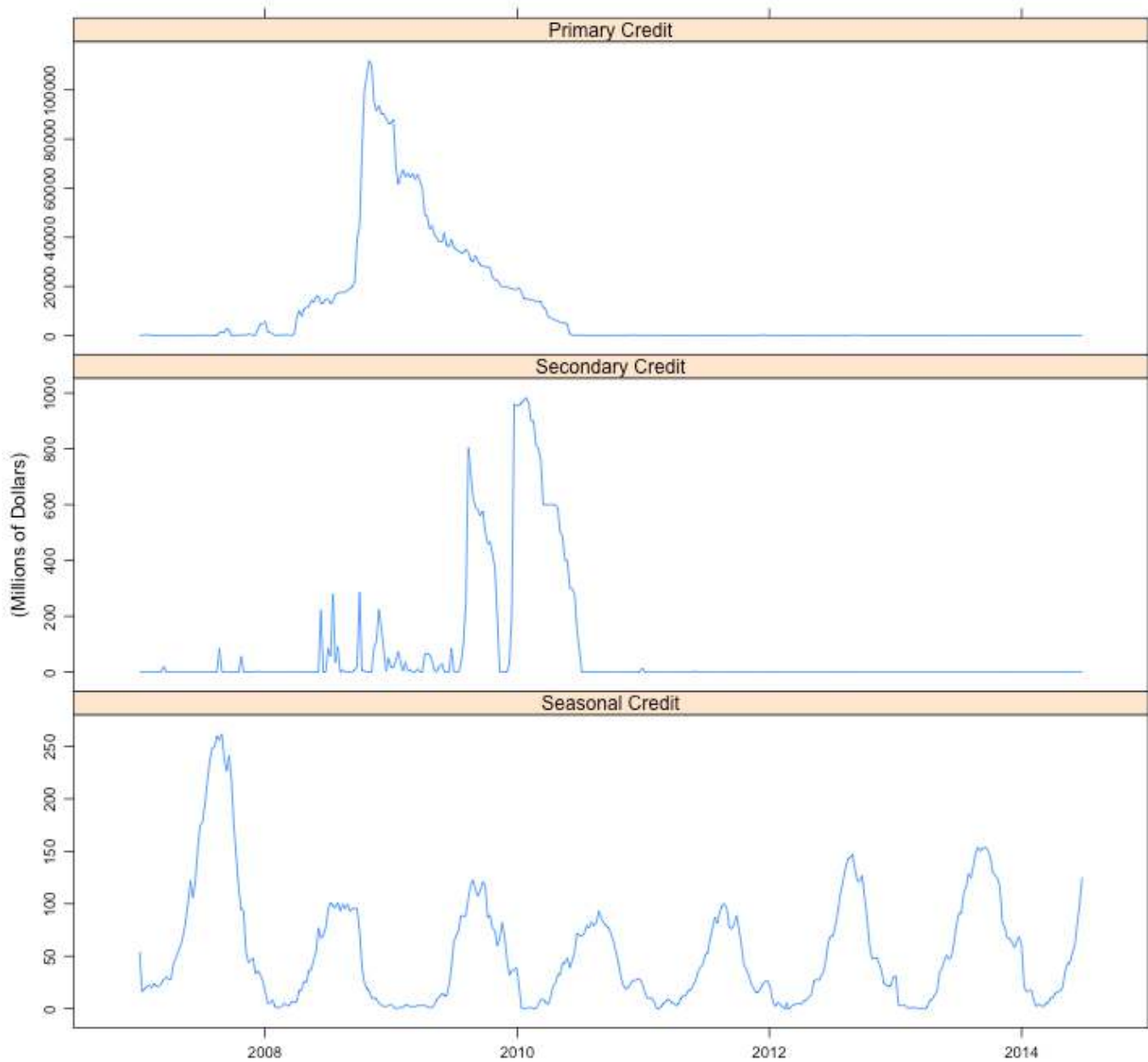
Source: Federal Reserve Bank of Cleveland

```
xyplot(di,scales=list(y="same"))
```

Credit to Depository Institutions

Primary Credit
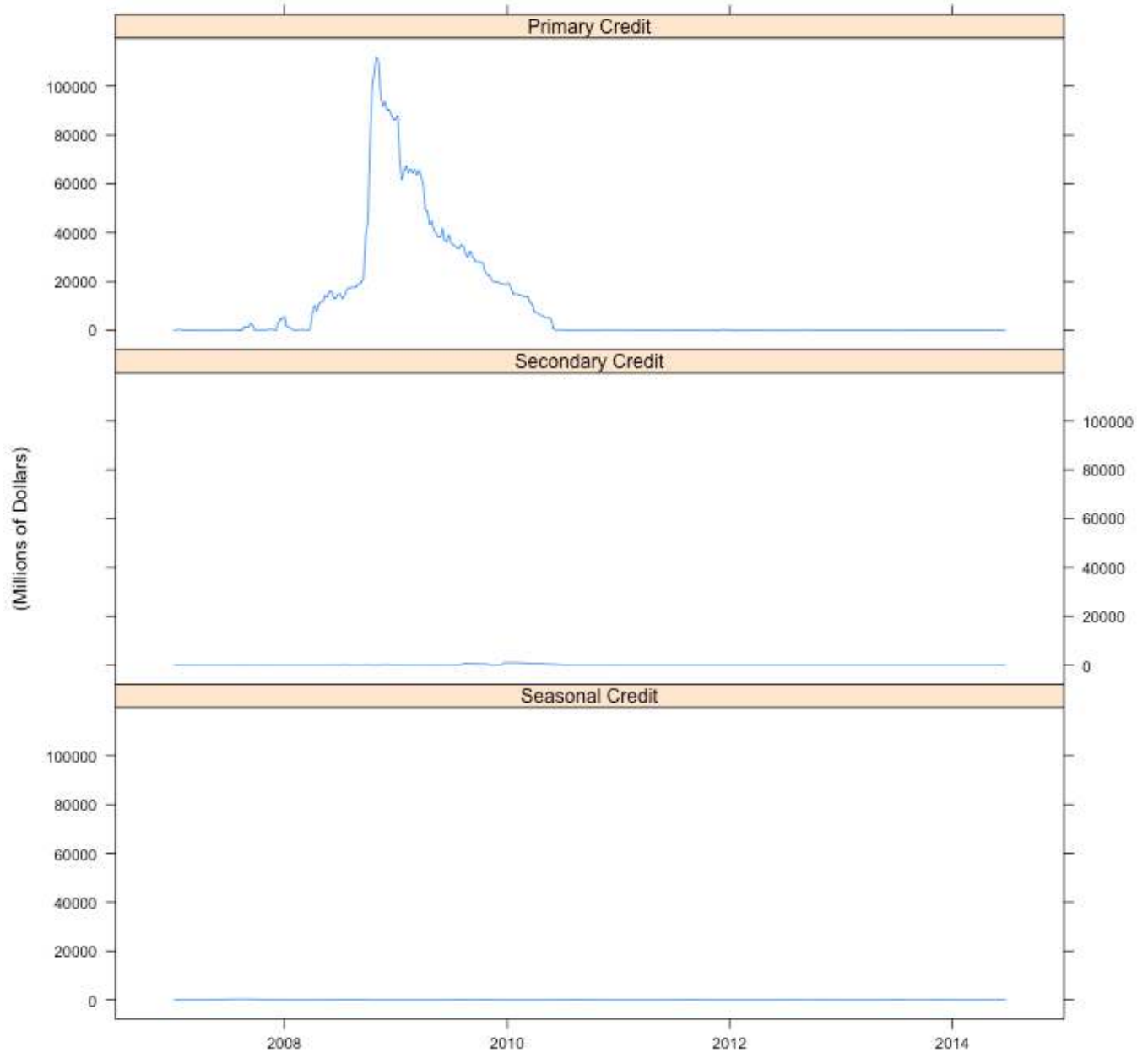
Secondary Credit

(Millions of Dollars)

Seasonal Credit

```
easingLineChart(di)
```

Credit to Depository Institutions

Primary Credit —— Secondary Credit —— Seasonal Credit ——

(Millions of Dollars)
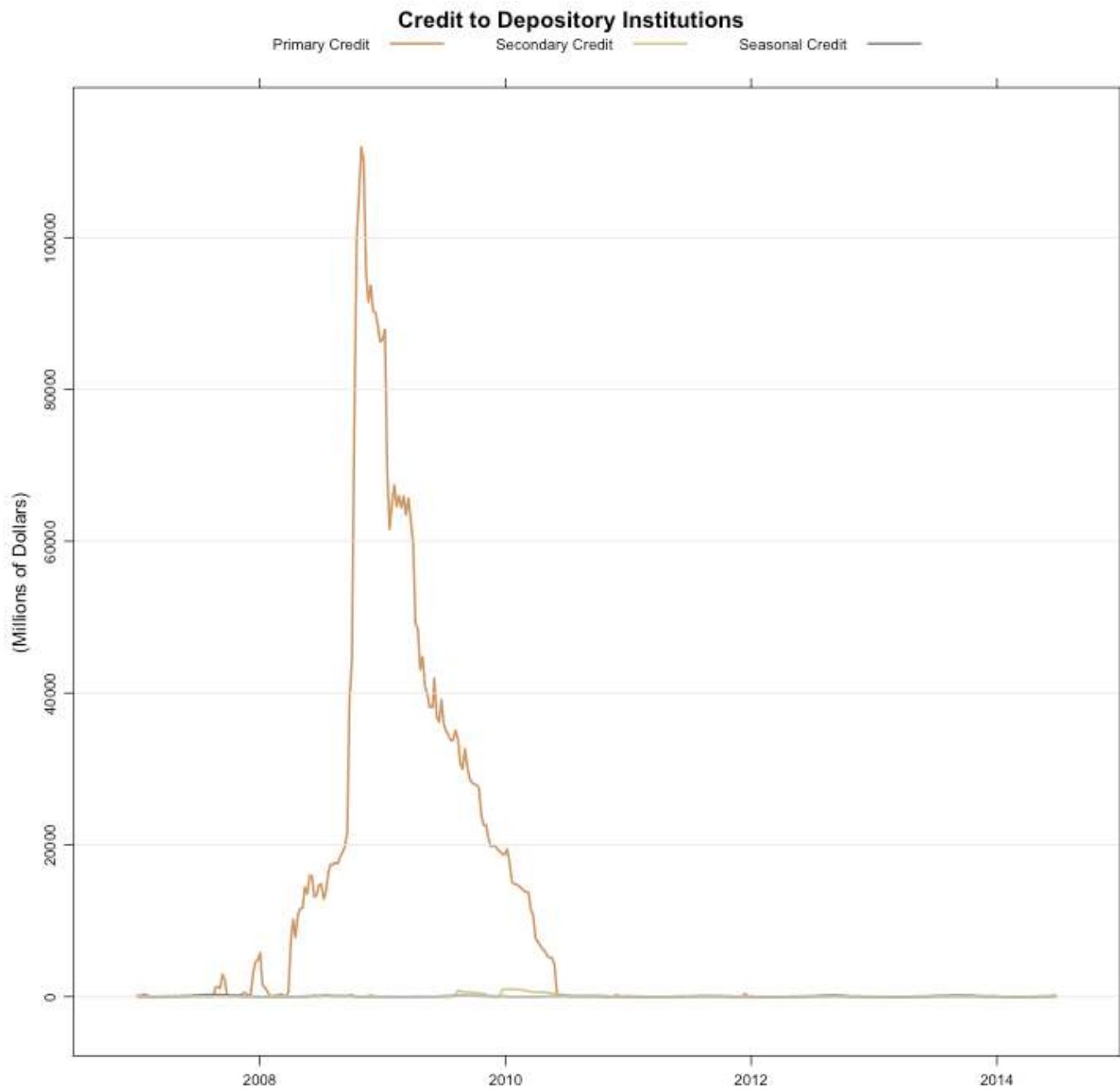
Source: Federal Reserve Bank of Cleveland

```
easingAreaChart(di)
```

Credit to Depository Institutions (Stacked)

Seasonal Credit ◼   Secondary Credit ◼   Primary Credit ◼

(Millions of Dollars)

Source: Federal Reserve Bank of Cleveland
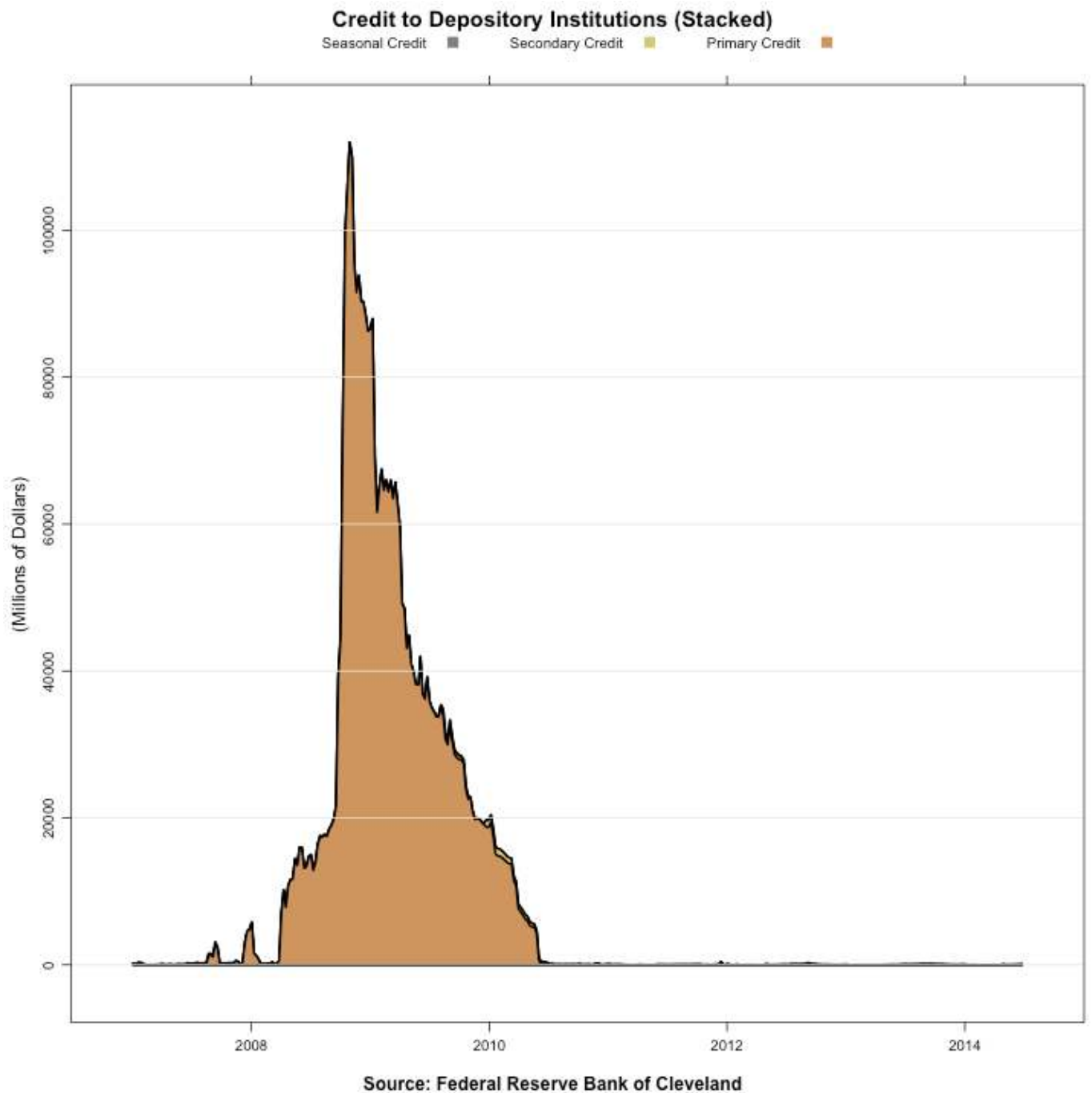
Credit Extensions to Financial Institutions

```
ce <- getEasingCreditExtensions()
xyplot(ce)
```

Credit Extensions
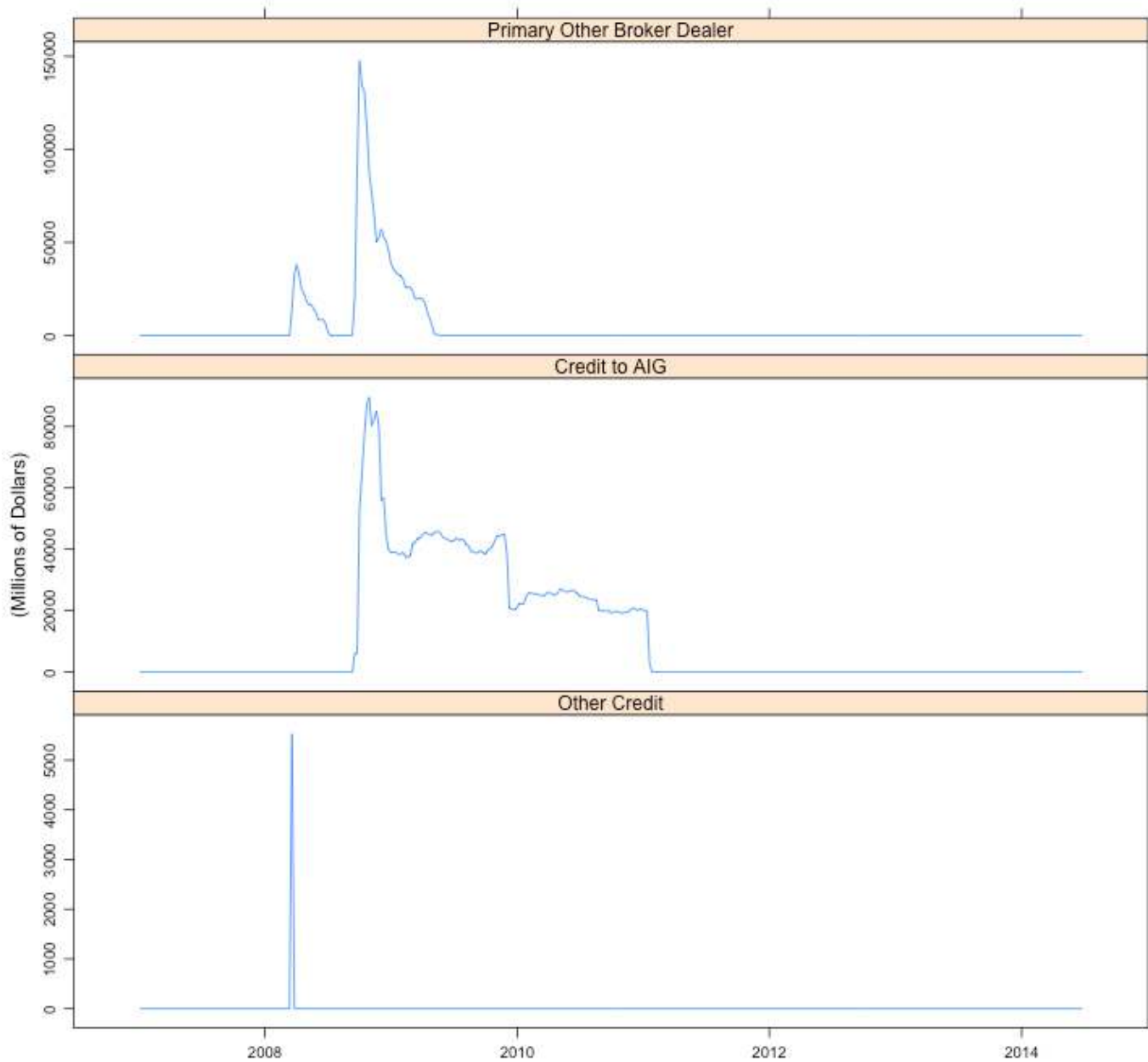
Source: Federal Reserve Bank of Cleveland

```
xyplot(ce,scales=list(y="same"))
```
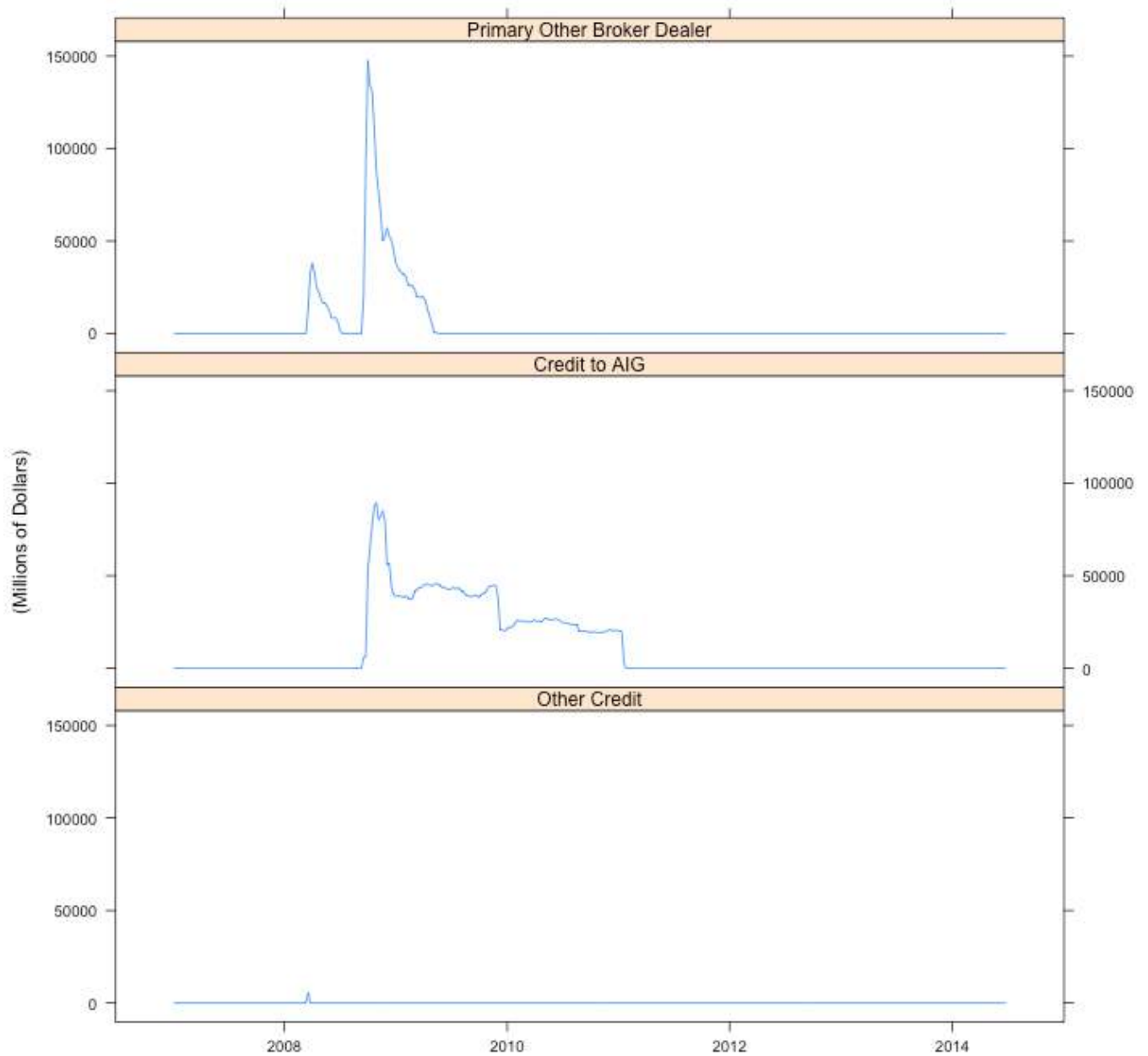
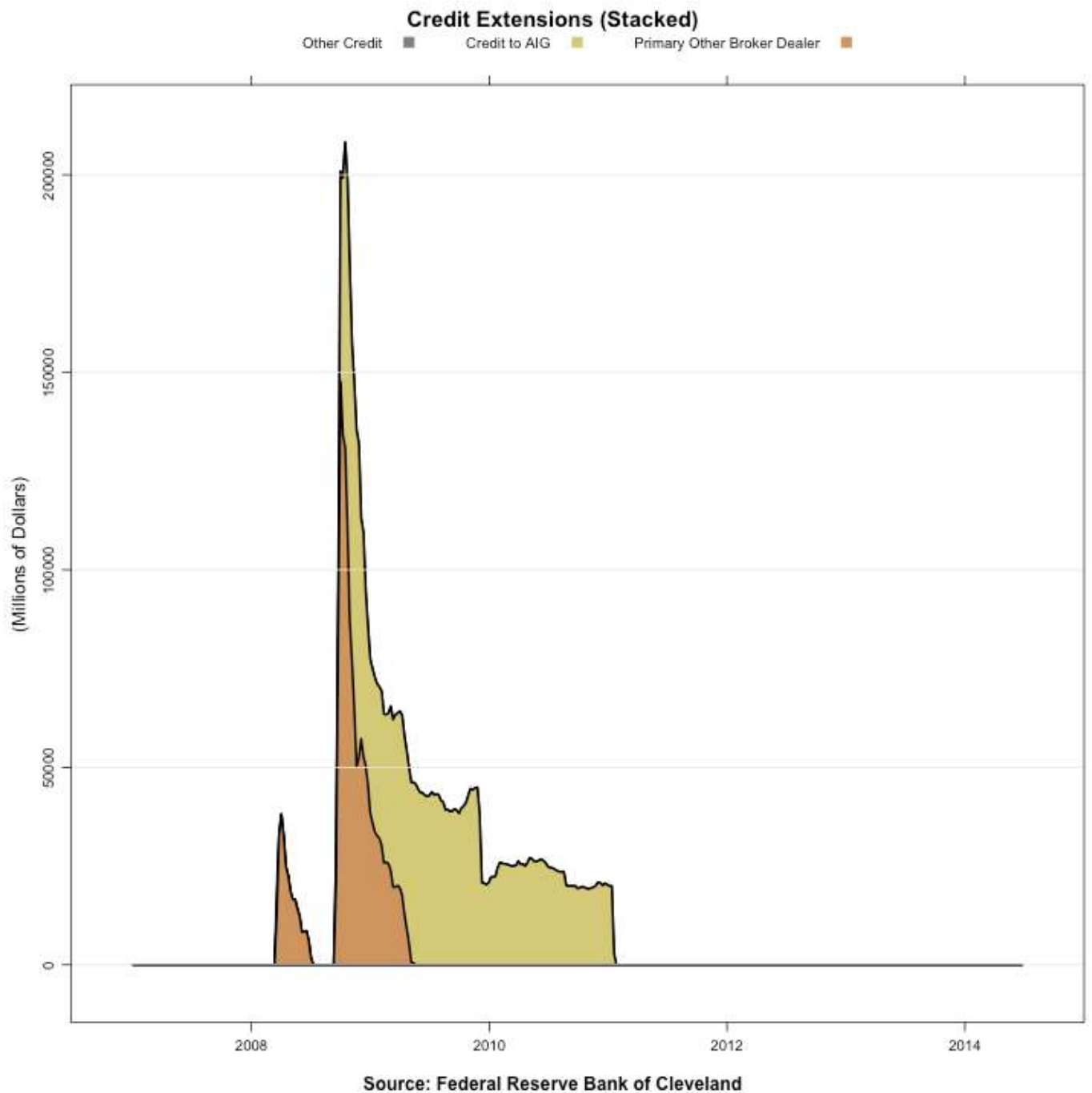# Credit Extensions

(Millions of Dollars)

Primary Other Broker Dealer

Credit to AIG

Other Credit

2008   2010   2012   2014

Source: Federal Reserve Bank of Cleveland

```
easingLineChart(ce)
```

Credit Extensions

Primary Other Broker Dealer ——— Credit to AIG ——— Other Credit ———

(Millions of Dollars)

150000

100000

50000

0

2008   2010   2012   2014

```
easingAreaChart(ce)
```

Credit Extensions (Stacked)

Other Credit ▪ Credit to AIG ▪ Primary Other Broker Dealer ▪

(Millions of Dollars)
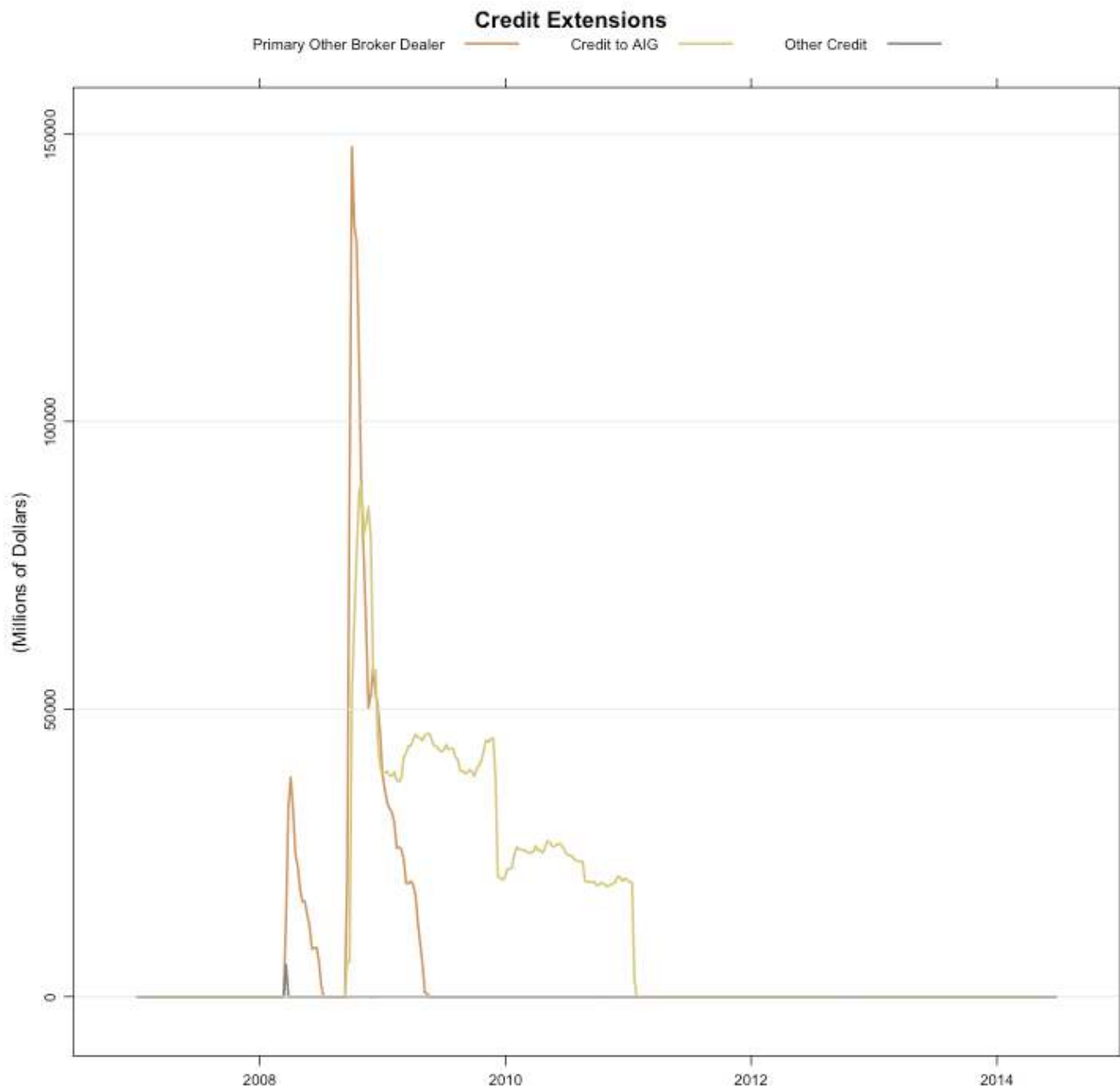
Source: Federal Reserve Bank of Cleveland

Providing Liquidity

```
pl <- getEasingProvidingLiquidity()
xyplot(pl)
```
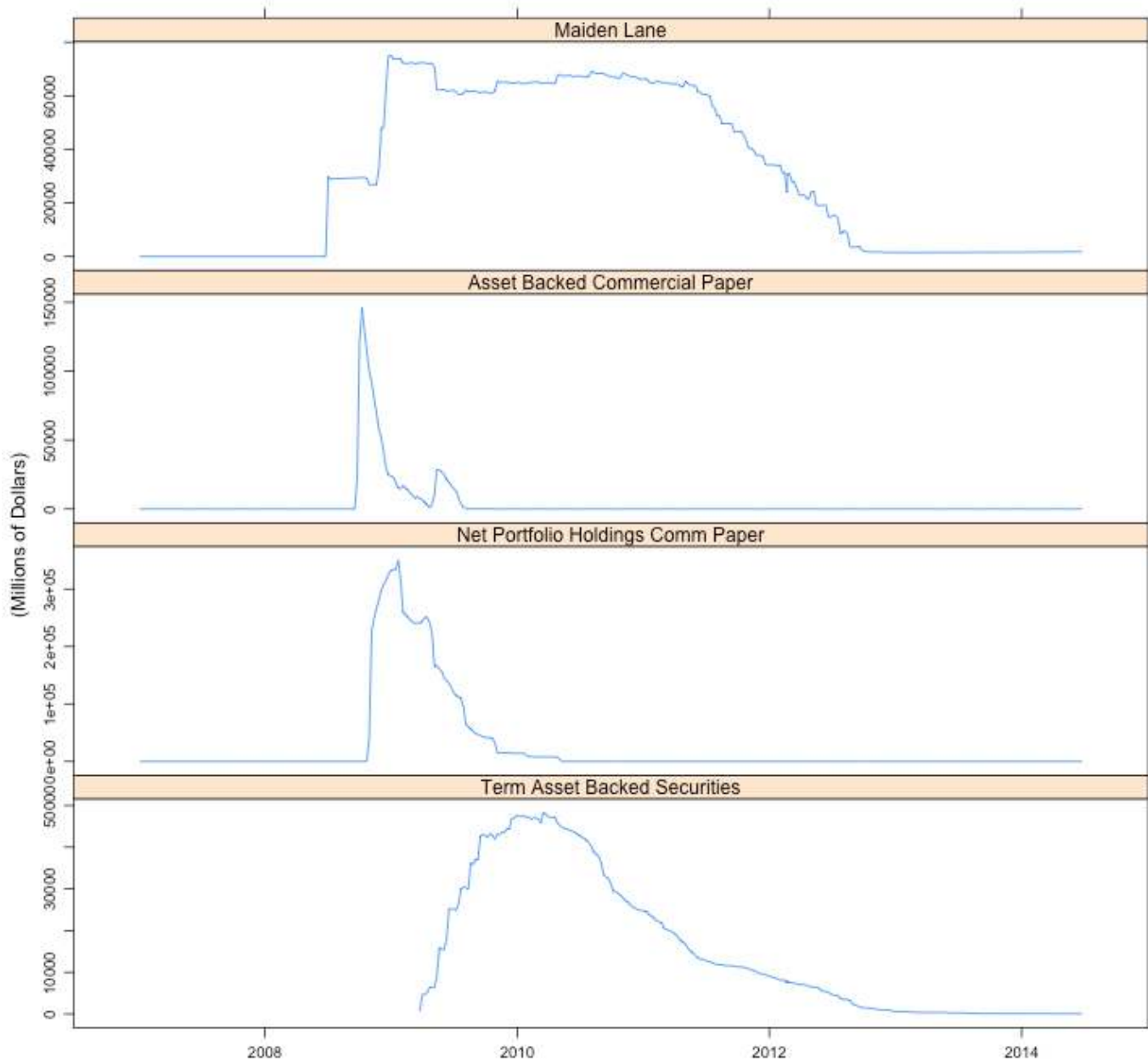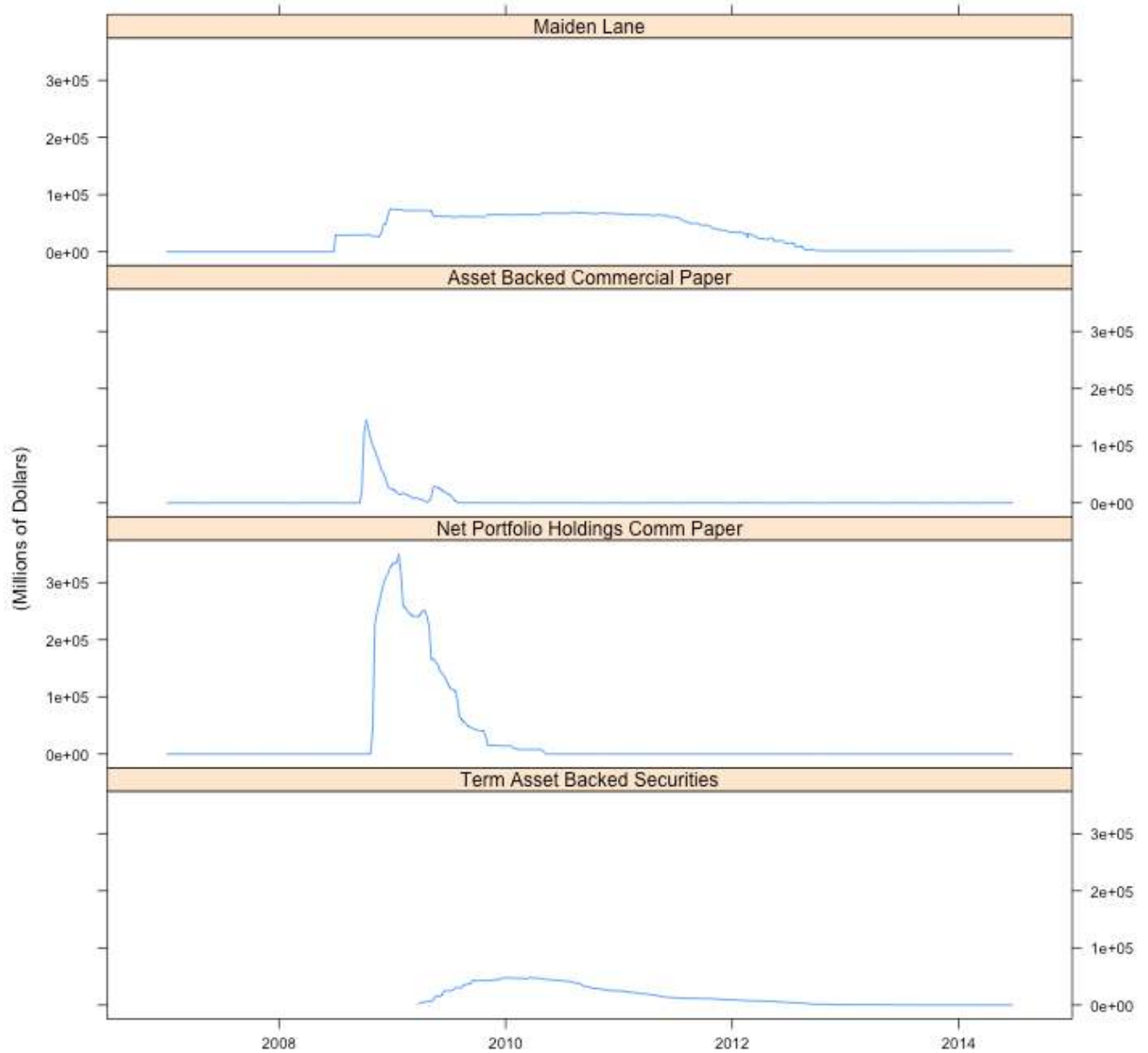
Providing Liquidity to Key Credit Markets

Source: Federal Reserve Bank of Cleveland

```
xyplot(pl,scales=list(y="same"))
```
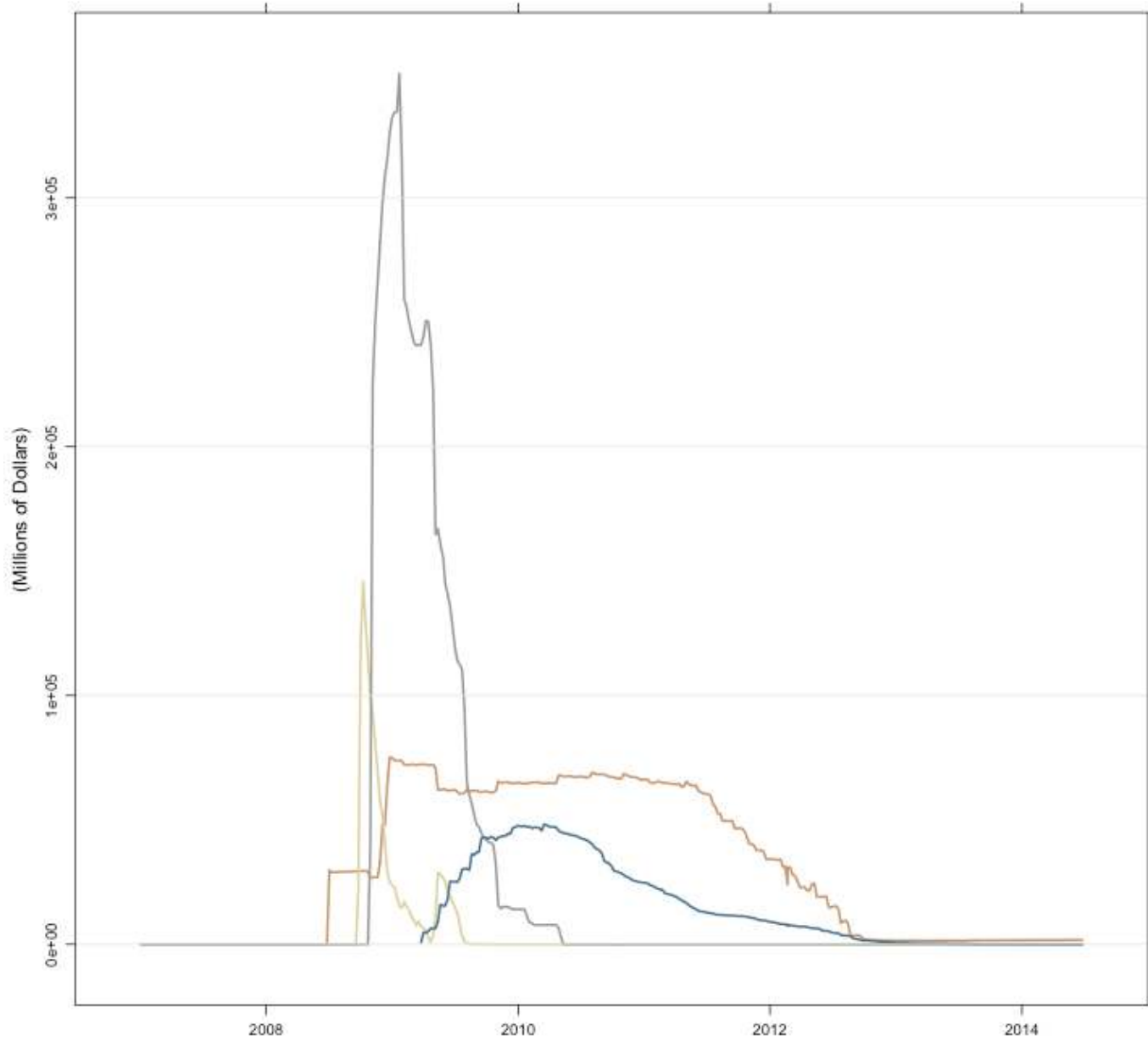
Providing Liquidity to Key Credit Markets

Source: Federal Reserve Bank of Cleveland

```
easingLineChart(pl)
```

Providing Liquidity to Key Credit Markets

Maiden Lane ———   Asset Backed Commercial Paper ———   Net Portfolio Holdings Comm Paper ———   Term Asset Backed Securities ———

(Millions of Dollars)

3e+05

2e+05

1e+05

0e+00

2008   2010   2012   2014

Source: Federal Reserve Bank of Cleveland

```
easingAreaChart(pl)
```

Providing Liquidity to Key Credit Markets (Stacked)

Term Asset Backed Securities ■   Net Portfolio Holdings Comm Paper ■   Asset Backed Commercial Paper ■   Maiden Lane ■

(Millions of Dollars)

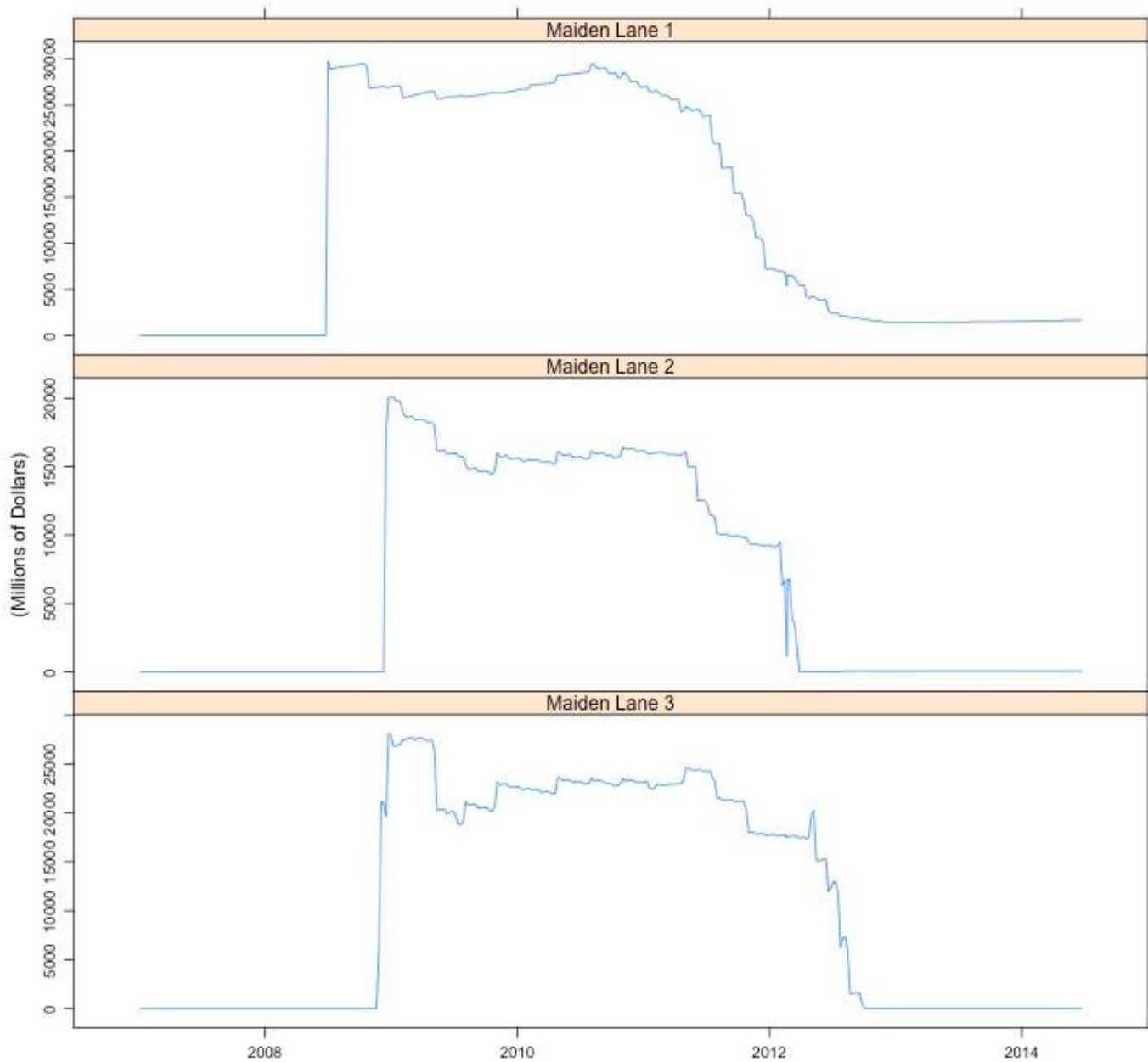Source: Federal Reserve Bank of Cleveland
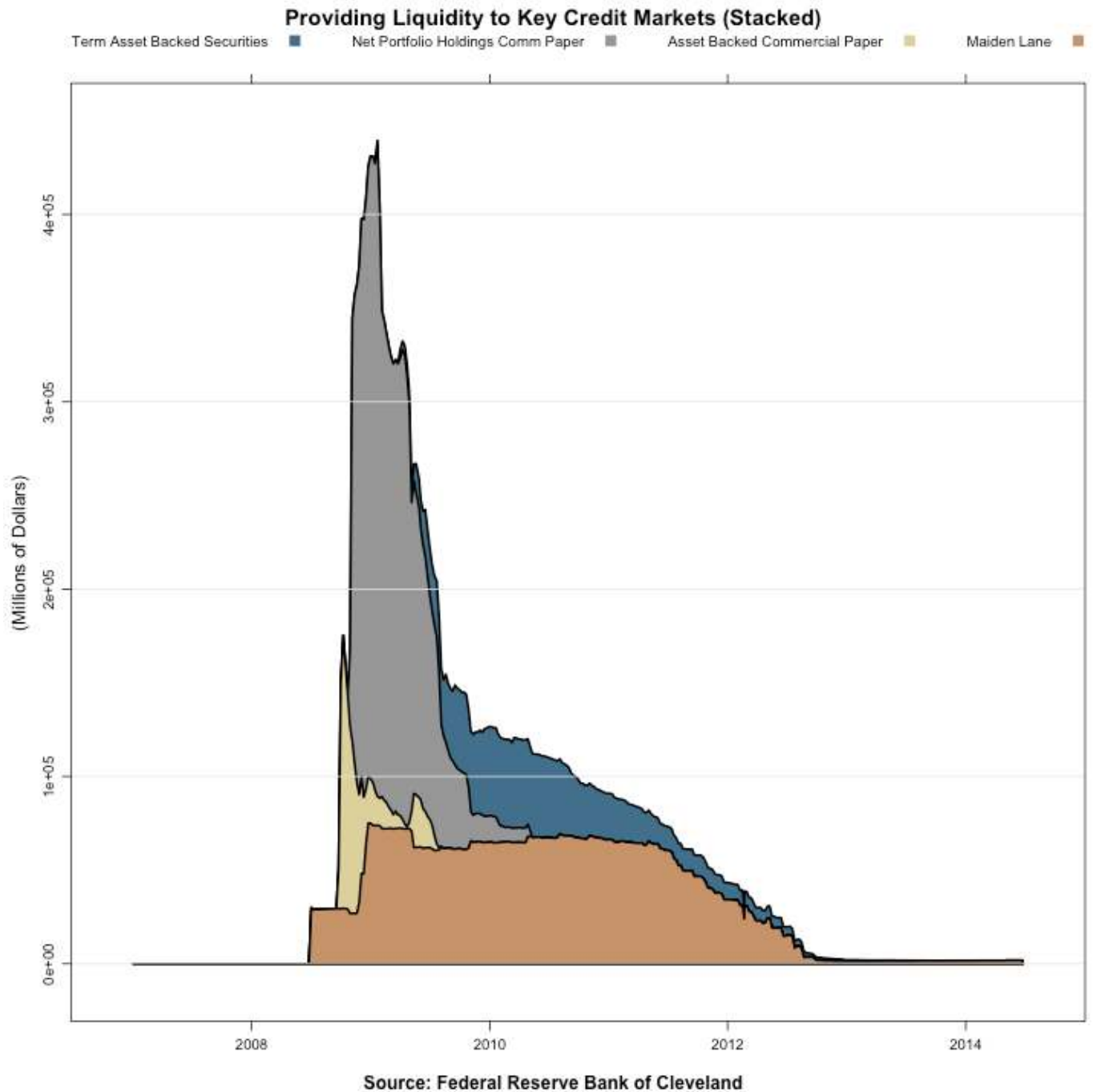
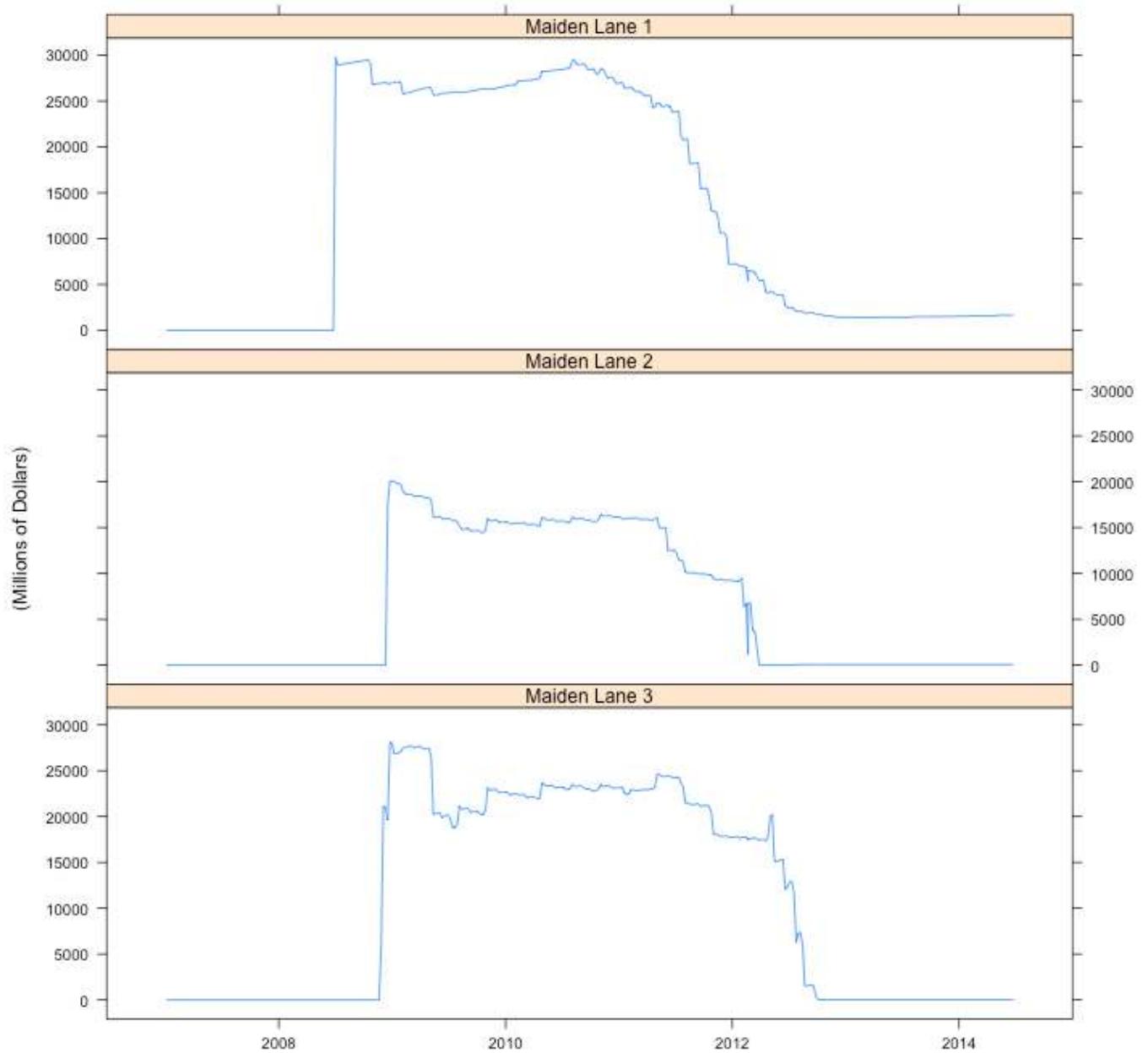# Maiden Lane

```
ml <- getEasingMaidenLane()
xyplot(ml)
```

Maiden Lane

Source: Federal Reserve Bank of Cleveland
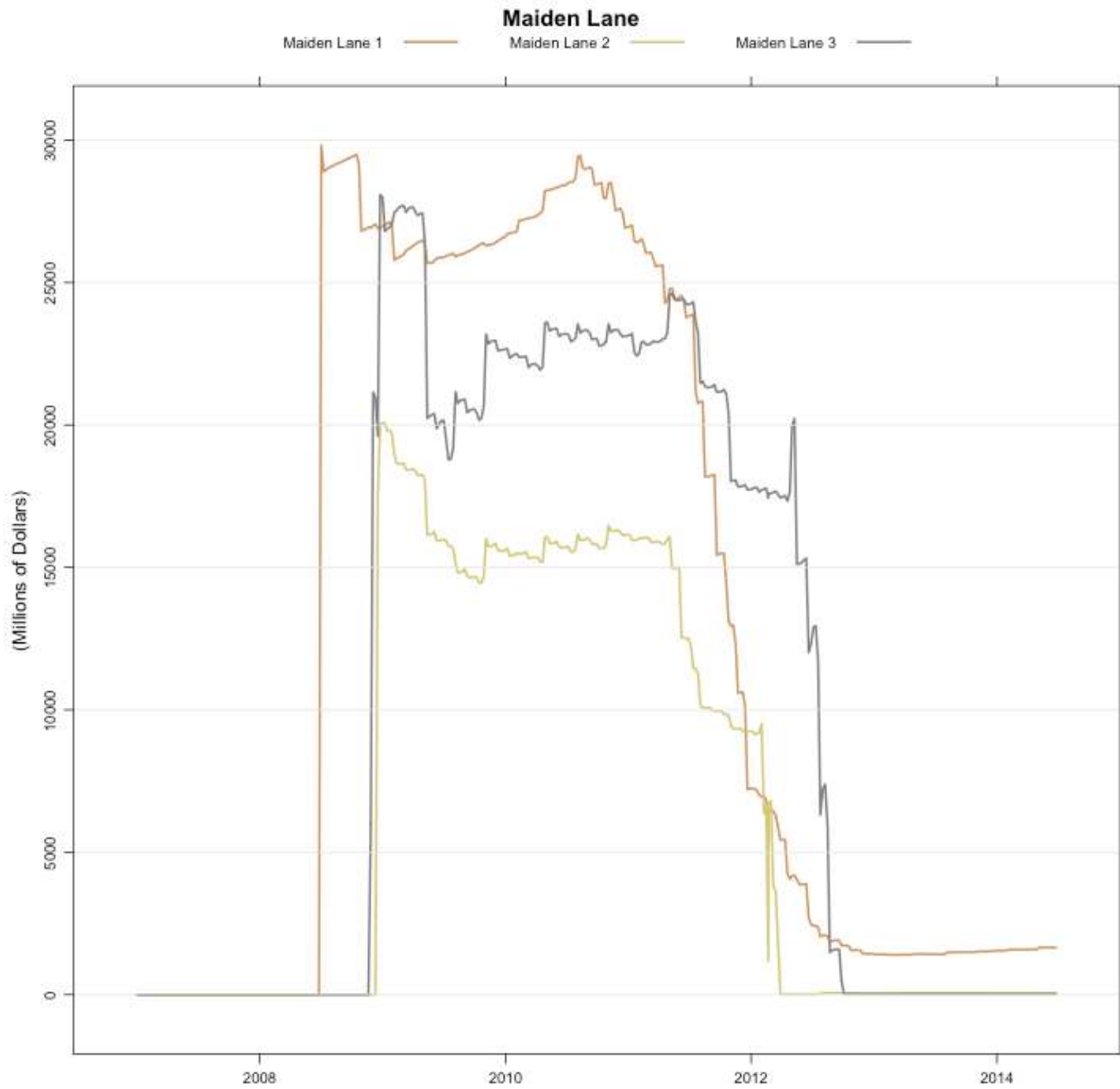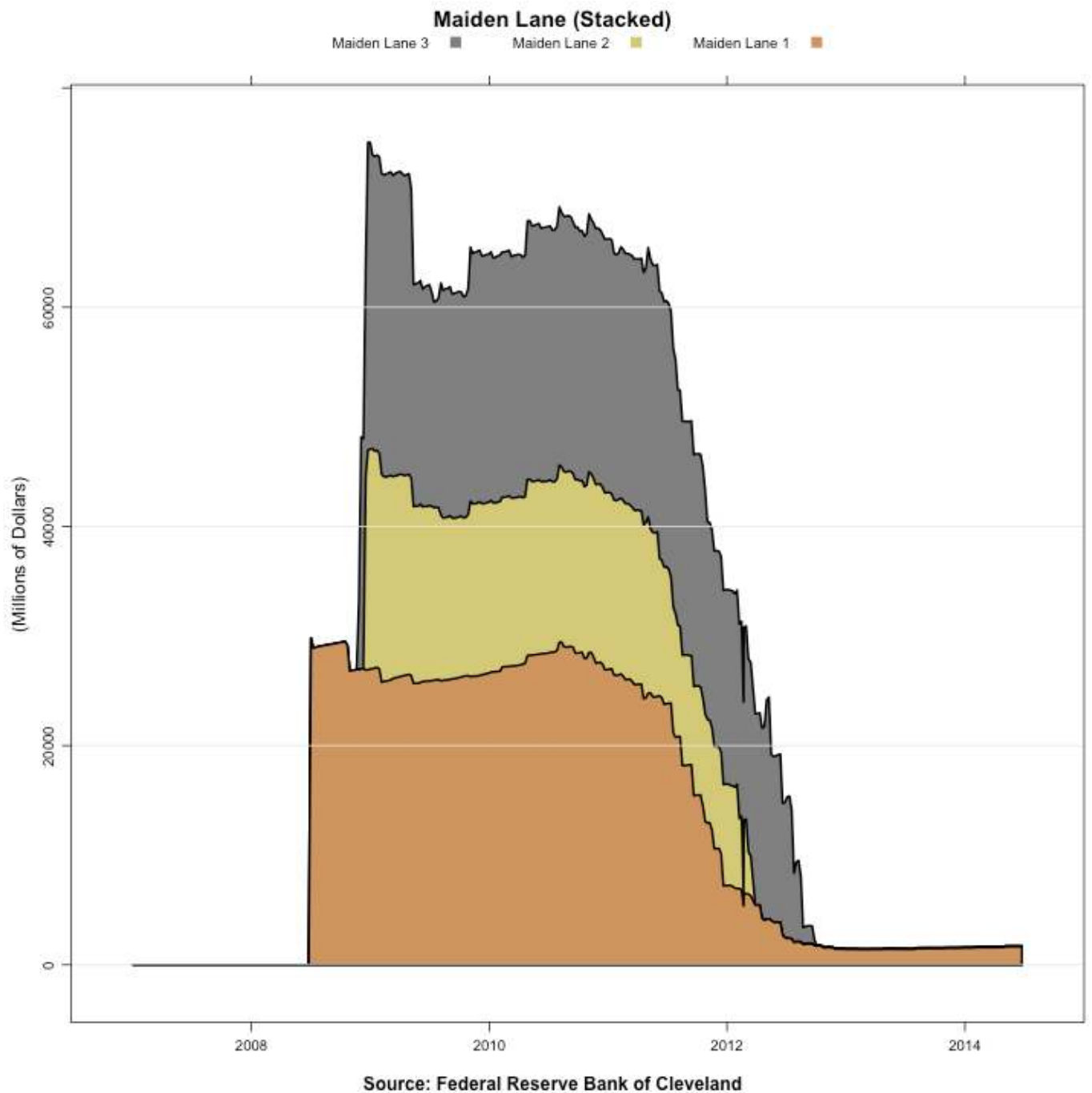
```
xyplot(ml,scales=list(y="same"))
```

Maiden Lane

Source: Federal Reserve Bank of Cleveland

```
easingLineChart(ml)
```

Maiden Lane

Maiden Lane 1 ——— Maiden Lane 2 ——— Maiden Lane 3 ———

Source: Federal Reserve Bank of Cleveland

```
easingAreaChart(ml)
```

Maiden Lane (Stacked)

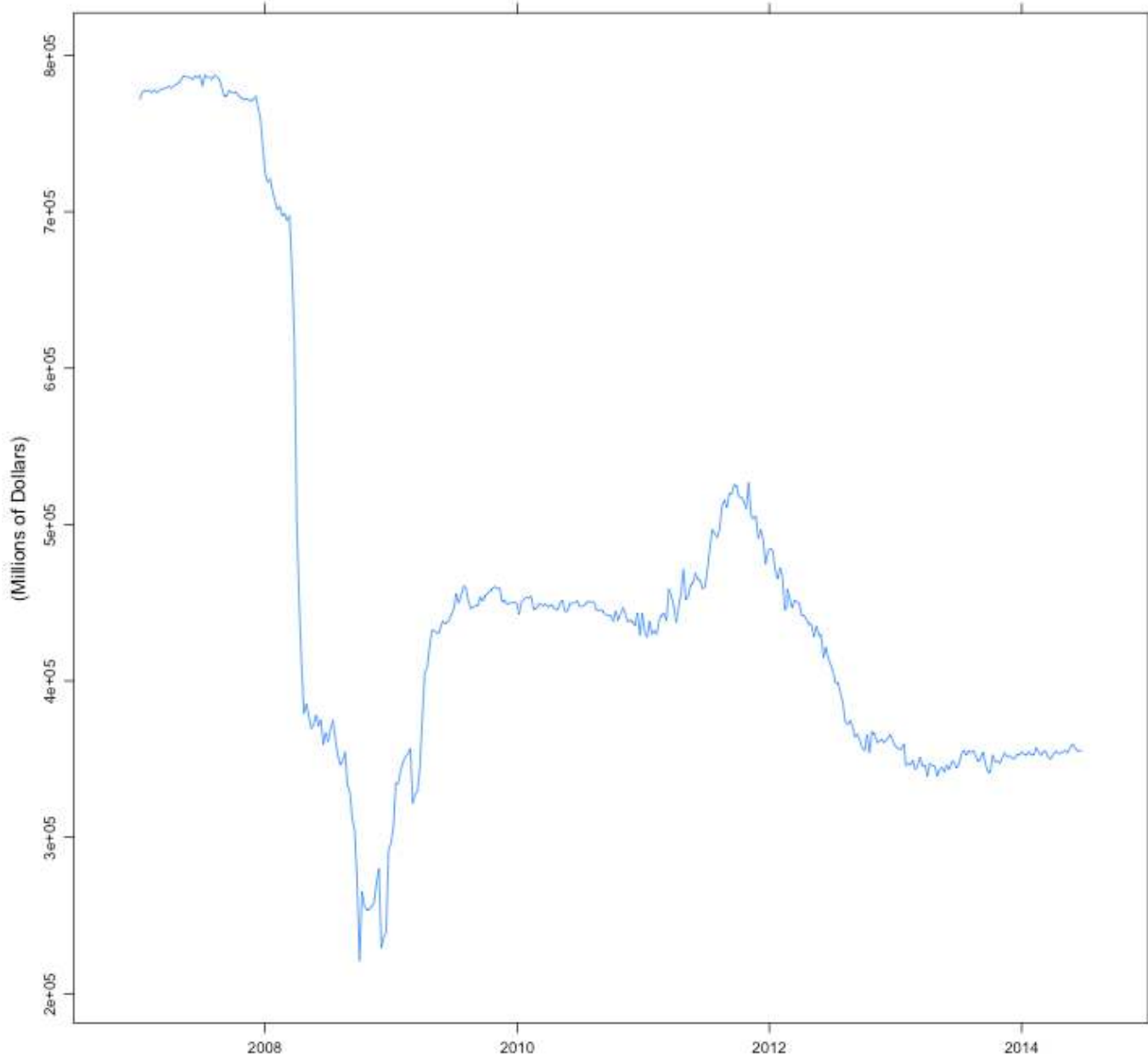Maiden Lane 3 ■   Maiden Lane 2 ■   Maiden Lane 1 ■

Source: Federal Reserve Bank of Cleveland
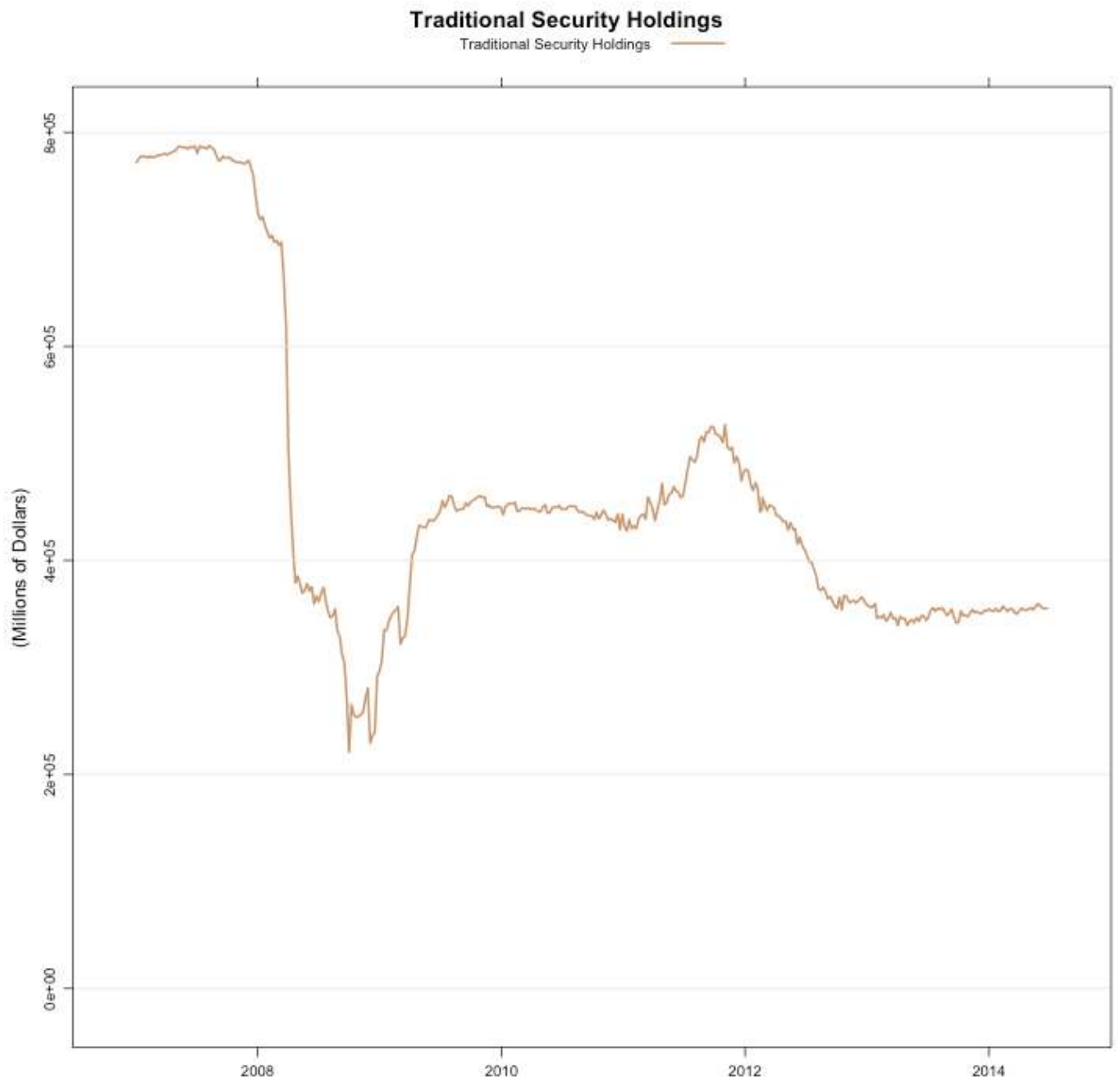
Traditional Security Holdings

```
th <- getEasingTraditionalHoldings()
xyplot(th)
```
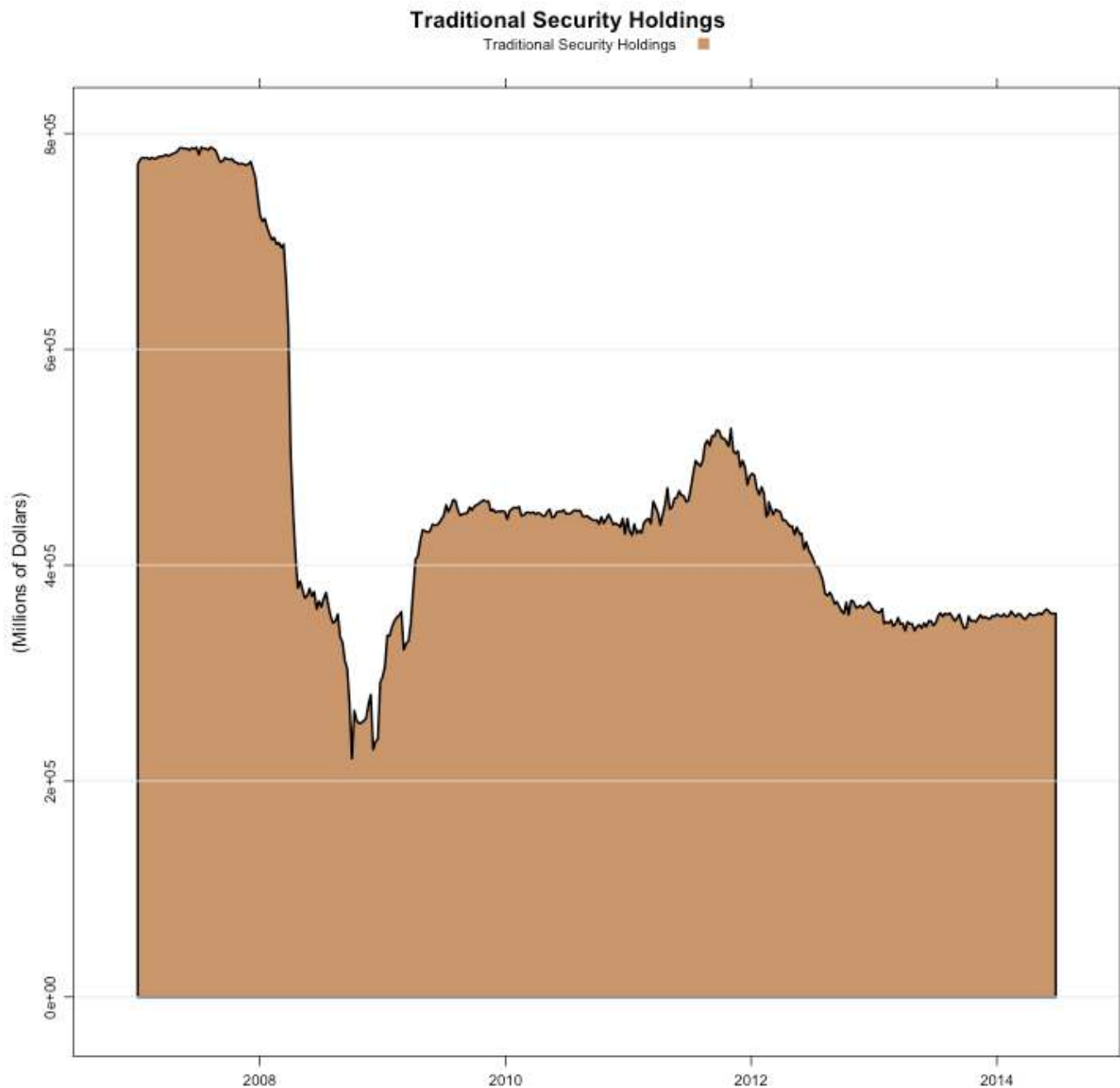
Traditional Security Holdings

Source: Federal Reserve Bank of Cleveland

```
easingLineChart(th)
```

Traditional Security Holdings

Traditional Security Holdings ——————

(Millions of Dollars)

8e+05
6e+05
4e+05
2e+05
0e+00

2008   2010   2012   2014

Source: Federal Reserve Bank of Cleveland

```
easingAreaChart(th)
```

Traditional Security Holdings

Traditional Security Holdings ■

Source: Federal Reserve Bank of Cleveland

Federal Agency Debt and Mortgage-Backed Securities
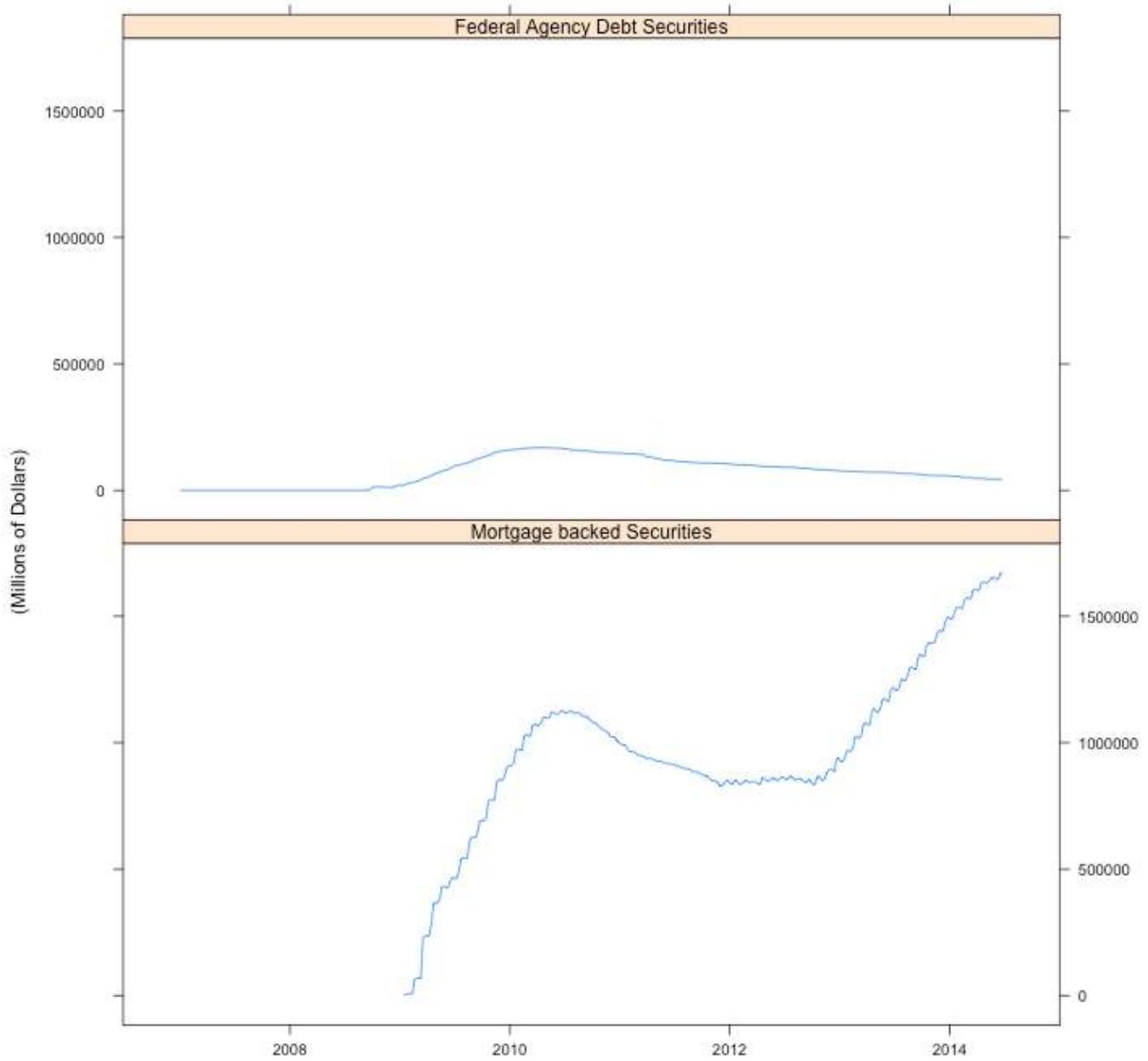
```
ad <- getEasingAgencyDebt()
xyplot(ad)
```

Federal Agency Debt and Mortgage-Backed Securities
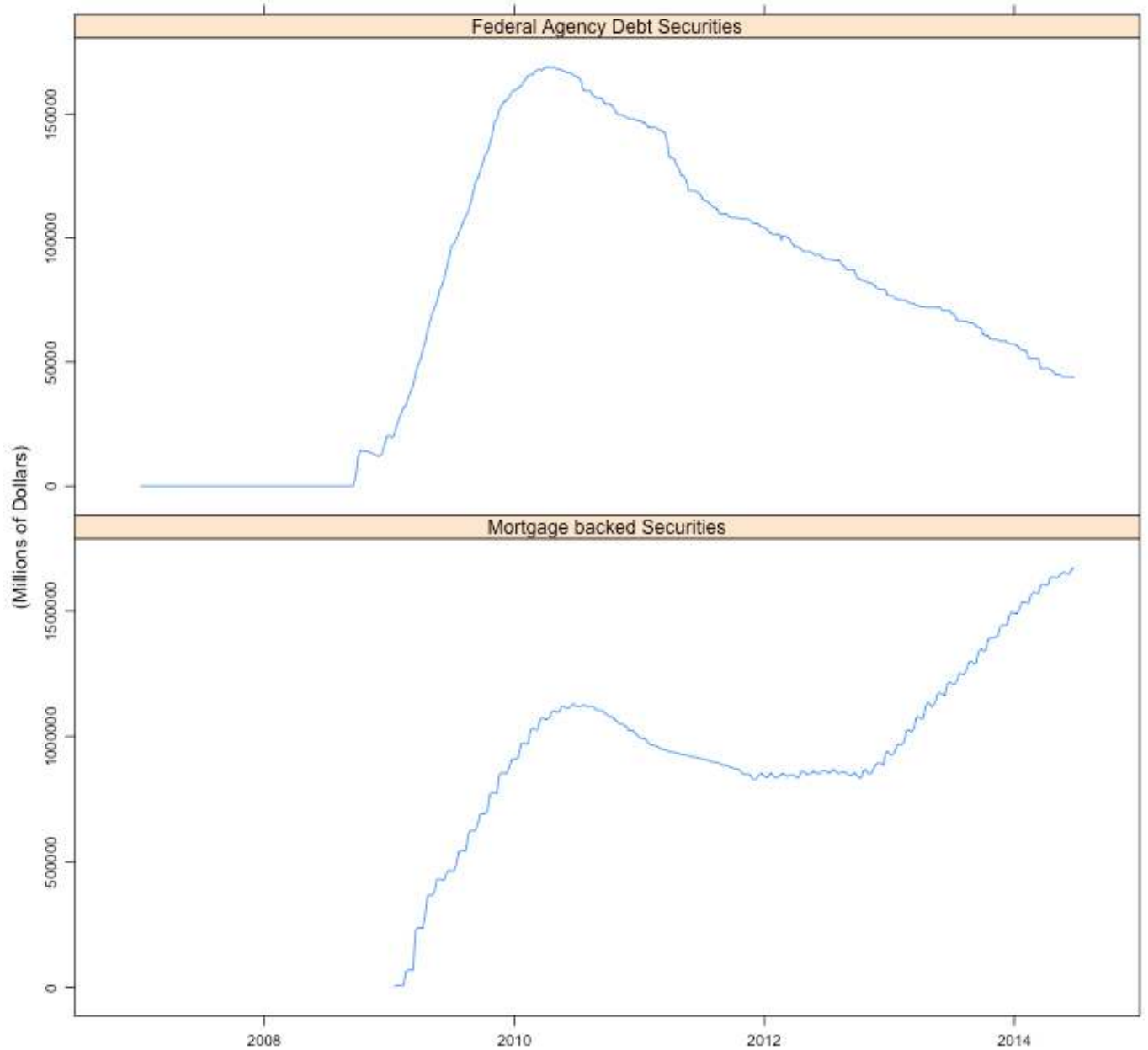
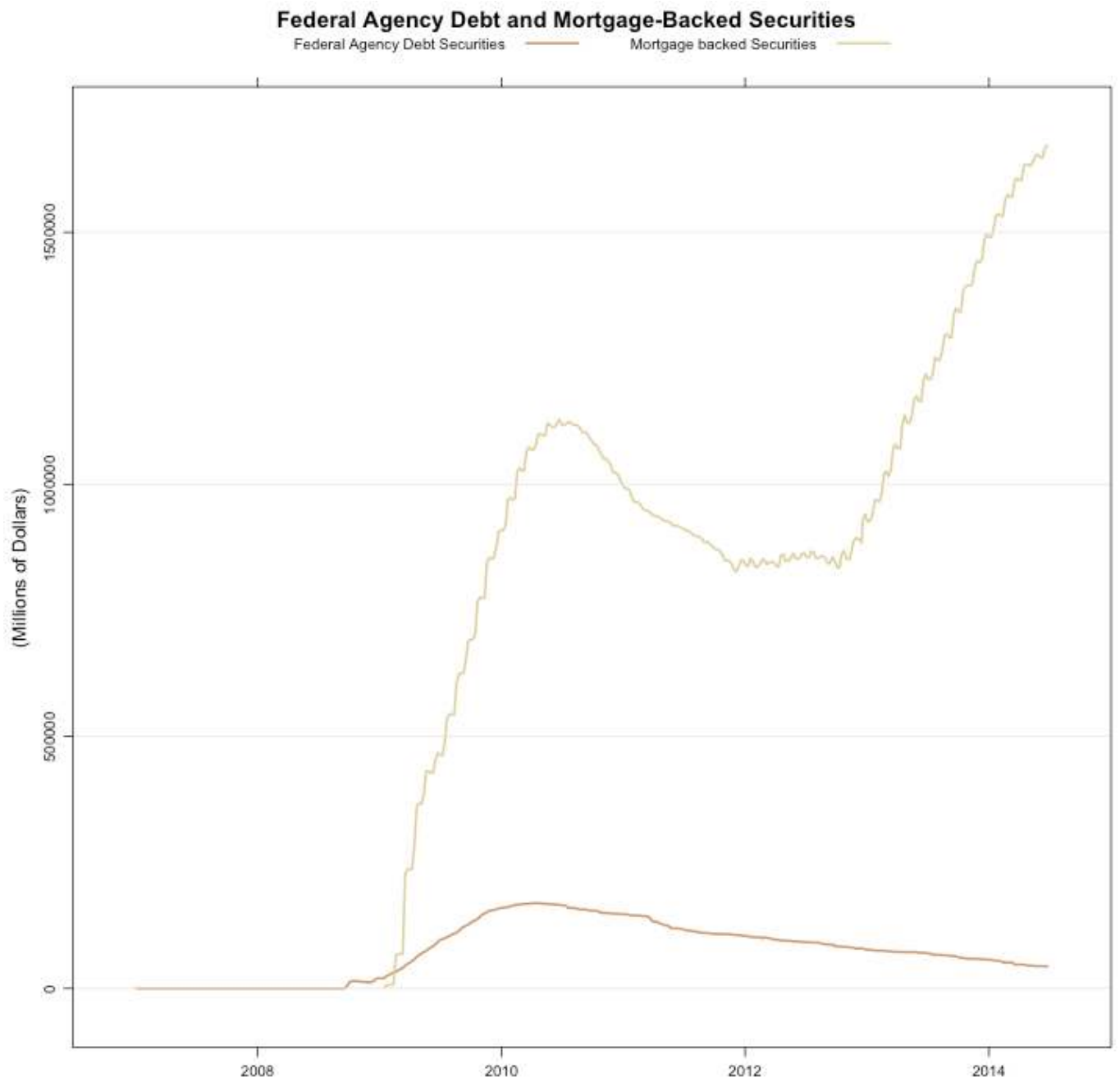Source: Federal Reserve Bank of Cleveland

```
xyplot(ad,scales=list(y="same"))
```

## Federal Agency Debt and Mortgage-Backed Securities

Source: Federal Reserve Bank of Cleveland

```
easingLineChart(ad)
```

Federal Agency Debt and Mortgage-Backed Securities

Federal Agency Debt Securities ———   Mortgage backed Securities ———

Source: Federal Reserve Bank of Cleveland

```
easingAreaChart(ad)
```

Federal Agency Debt and Mortgage-Backed Securities (Stacked)

Mortgage backed Securities ■   Federal Agency Debt Securities ■

Source: Federal Reserve Bank of Cleveland
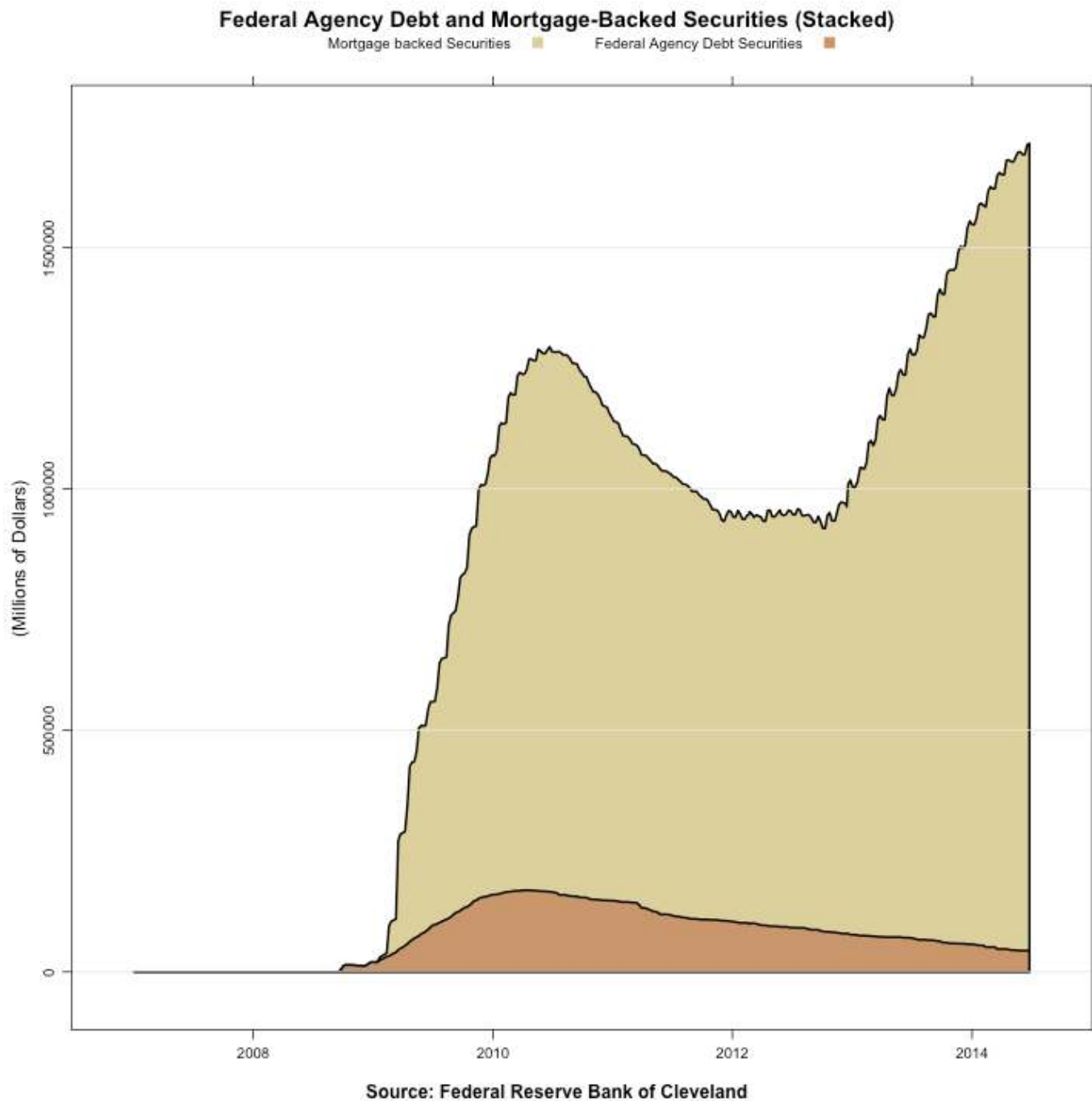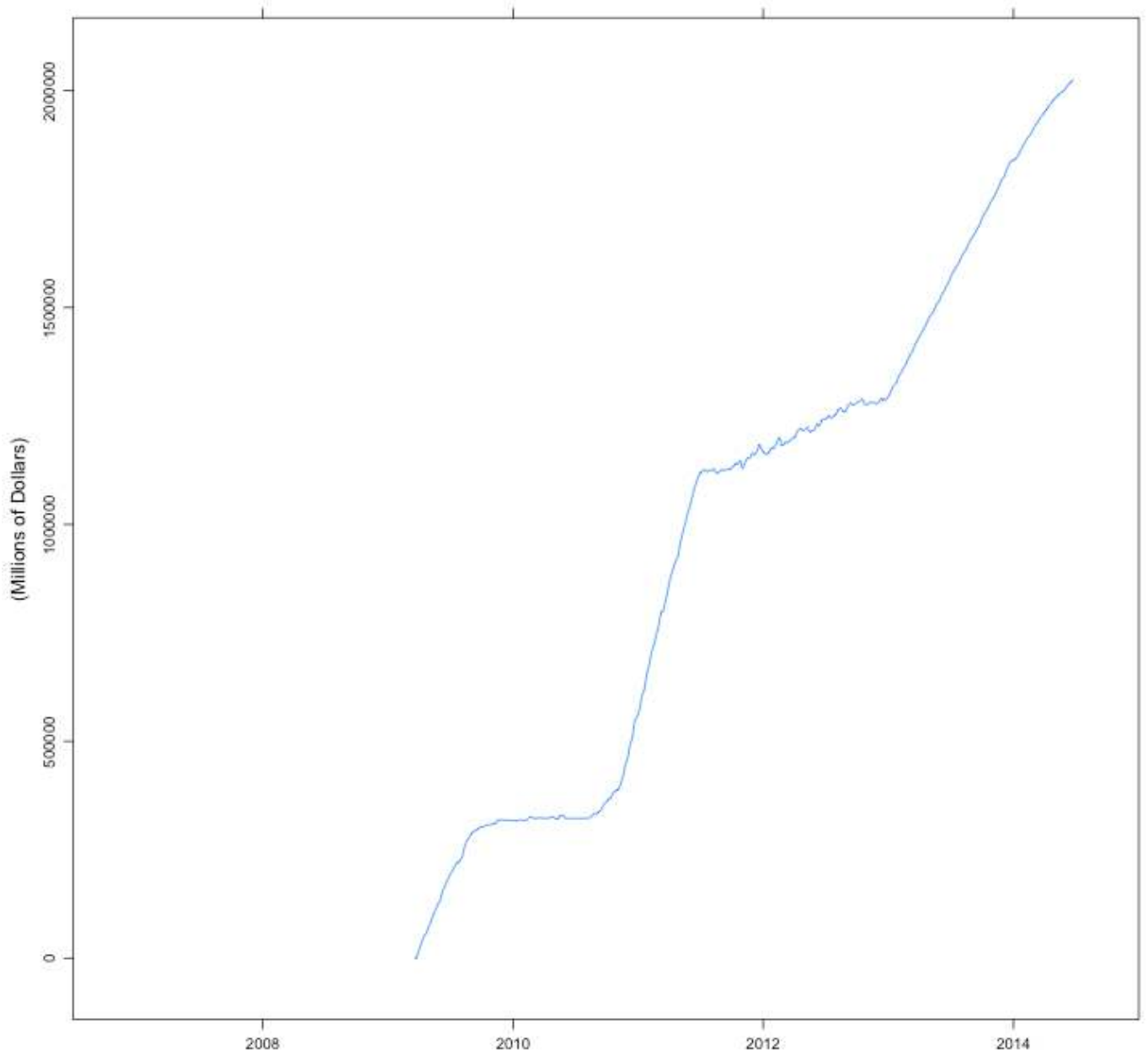
Long Term Treasury Purchases

```
lt <- getEasingLongTermPurchases()
xyplot(lt)
```

Long-Term Treasury Purchases

(Millions of Dollars)
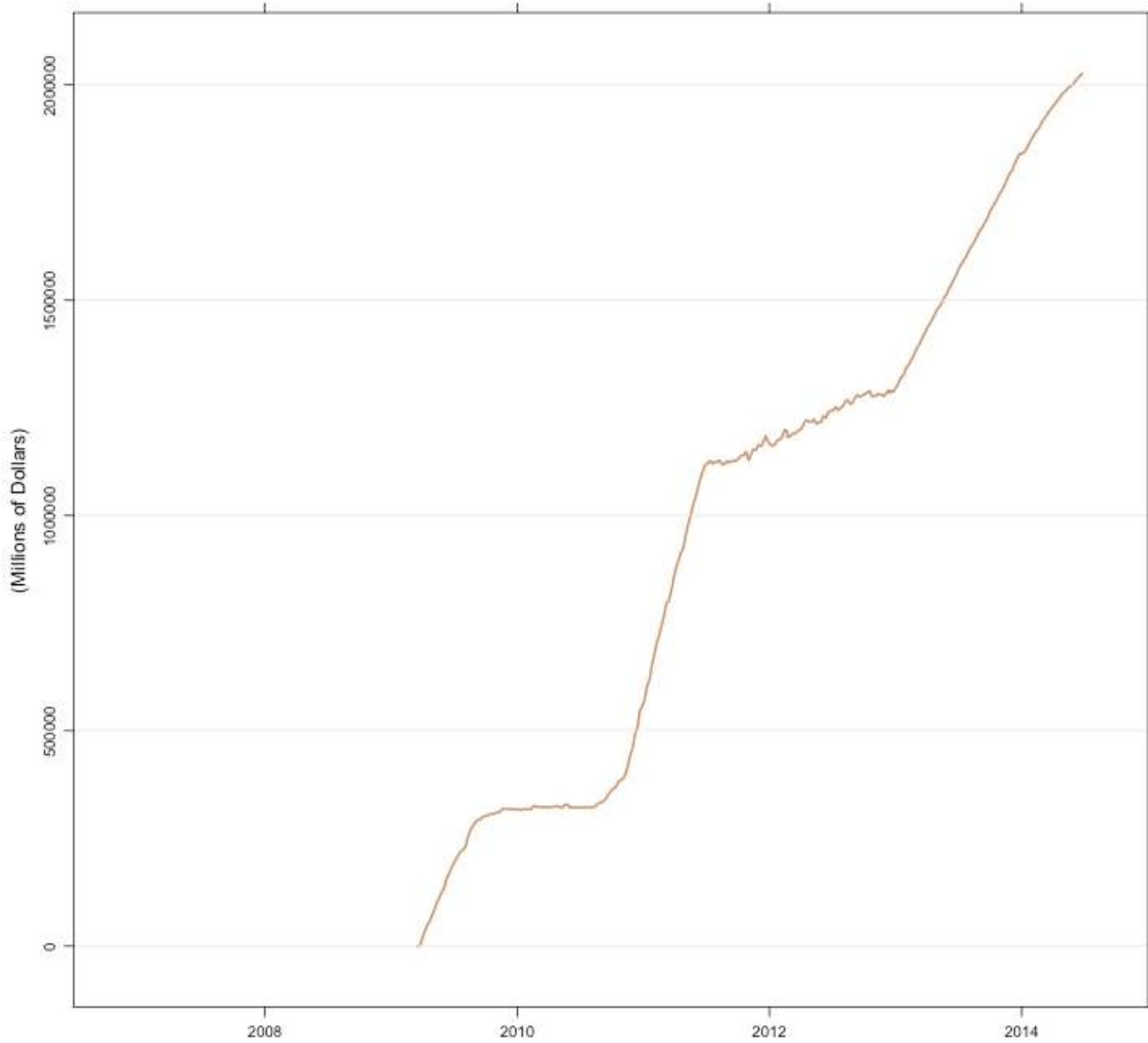
2008   2010   2012   2014
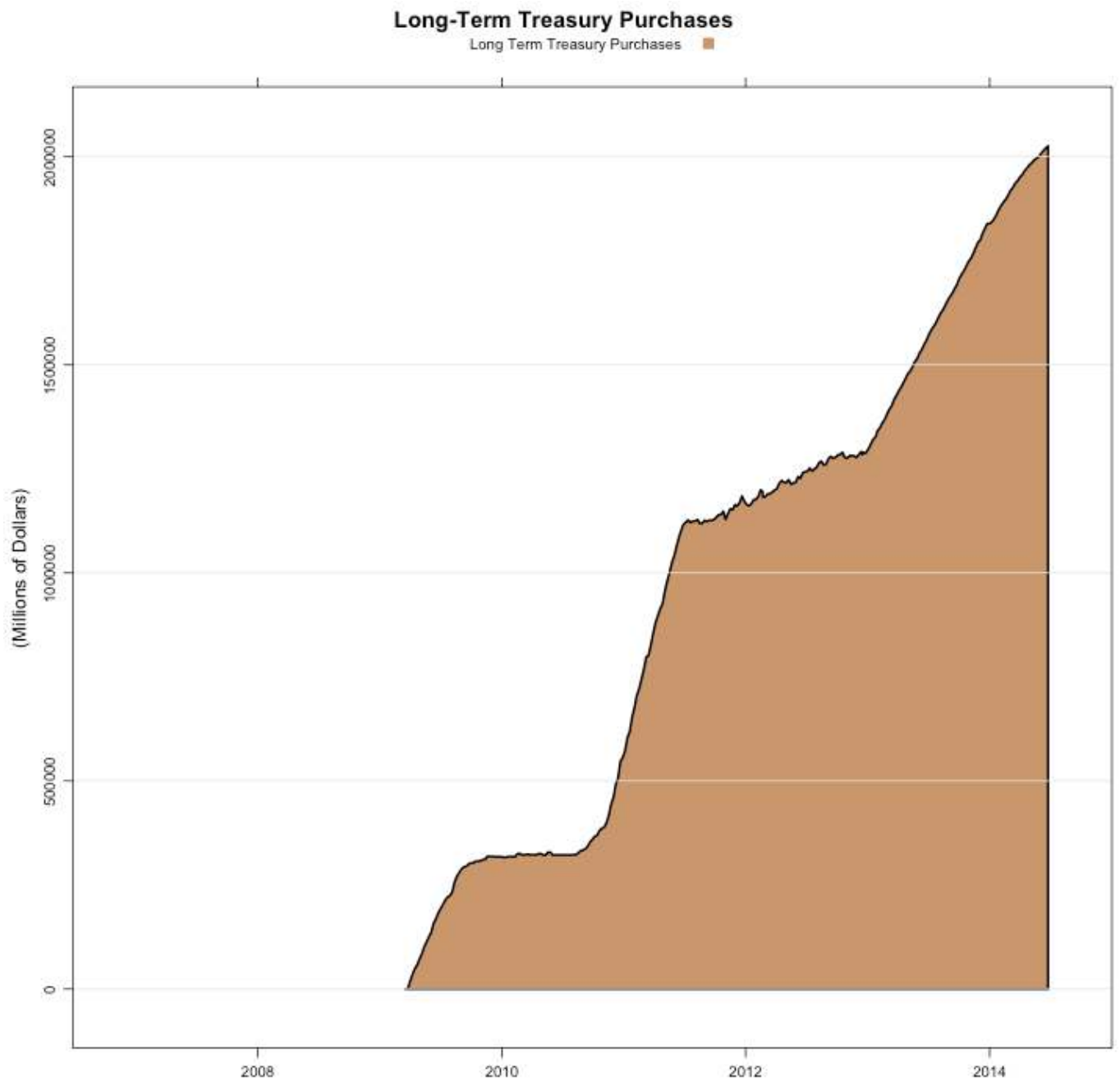
Source: Federal Reserve Bank of Cleveland

```
easingLineChart(lt)
```

Long-Term Treasury Purchases

Long Term Treasury Purchases

Source: Federal Reserve Bank of Cleveland

```
easingAreaChart(lt)
```

Long-Term Treasury Purchases

Long Term Treasury Purchases ■

Source: Federal Reserve Bank of Cleveland

References

- See Cleveland FRB for more details.