Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06

ABN AMRO Acct : 724064.1

Payment Date:
25-Sep-06

Prior Payment:
N/A

Next Payment:
25-Oct-06

Record Date:
12-Sep-06

Distribution Count:
1

Closing Date:
12-Sep-06

First Pay. Date:
25-Sep-06

Rated Final Payment Date:
25-Jan-47

Delinquency Method:
OTS

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Outside Parties To The Transaction

Issuer: Merrill Lynch & Company- Asset Backed Sec. Group

Depositor: Merrill Lynch Mortgage Investors, Inc.

Underwriter: Merrill Lynch & Company- Asset Backed Sec. Group

Master Servicer: Wilshire Credit Corporation

Rating Agency: Moody's Investors Service, Inc./Standard & Poor's

LaSalle Bank
ABN AMRO

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Bond Payments

Class	CUSIP	Original Face Value [1]		Beginning Certificate Balance	Principal Payment	Current Realized Loss	Deferred Interest	Ending Certificate Balance	Interest Payment [2]	Interest Adjustment	Pass-Through Rate
A	59023JAA5	107,939,000.00		107,939,000.00	5,297,127.80	0.00	0.00	102,641,872.20	218,666.42	0.00	5.6100000000%
M-1	59023JAB3	14,403,000.00		14,403,000.00	0.00	0.00	0.00	14,403,000.00	30,062.26	0.00	5.7800000000%
M-2	59023JAC1	15,561,000.00		15,561,000.00	0.00	0.00	0.00	15,561,000.00	33,884.08	0.00	6.0300000000%
M-3	59023JAD9	6,787,000.00		6,787,000.00	0.00	0.00	0.00	6,787,000.00	17,842.27	0.00	7.2800000000%
B	59023JAE7	9,933,000.00		9,933,000.00	0.00	0.00	0.00	9,933,000.00	57,942.50	0.00	7.0000000000%
C	59023JAG2	165,560,299.20	**N**	165,560,299.20	0.00	0.00	0.00	160,417,840.20	671,323.68	23,841.17	N/A
P	59023JAH0	0.00		0.00	0.00	0.00	0.00	0.00	102,434.73	102,434.73	N/A
R	59023JAF4	100.00		100.00	100.00	0.00	0.00	0.00	0.20	0.00	5.6100000000%
Total		154,623,100.00		154,623,100.00	5,297,227.80	0.00	0.00	149,325,872.20	1,132,156.14	126,275.90	
							Total P&I Payment		6,429,383.94		

[1] N denotes notional balance not included in total [2] Accrued Interest plus/minus Interest Adjustment minus Deferred Interest equals Interest Payment

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Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Statement to Certificate Holders (FACTORS)
Bond Payments

Class	CUSIP	Original Face Value	Beginning Certificate Balance *	Principal Payment *	Current Realized Loss *	Deferred Interest *	Ending Certificate Balance *	Interest Payment *	Interest Adjustment*	Next Rate **
A	59023JAA5	107,939,000.00	1000.000000000	49.075198029	0.000000000	0.000000000	950.924801971	2.025833295	0.000000000	5.61000000%
M-1	59023JAB3	14,403,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	2.087222107	0.000000000	5.78000000%
M-2	59023JAC1	15,561,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	2.177500161	0.000000000	6.03000000%
M-3	59023JAD9	6,787,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	2.628889053	0.000000000	7.28000000%
B	59023JAE7	9,933,000.00	1000.000000000	0.000000000	0.000000000	0.000000000	1000.000000000	5.833333333	0.000000000	7.00000000%
C	59023JAG2	165,560,299.20 **N**	1000.000000000	0.000000000	0.000000000	0.000000000	968.939057100	4.054859065	0.144002941	N/A
P	59023JAH0	0.00	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	N/A
R	59023JAF4	100.00	1000.000000000	1000.000000000	0.000000000	0.000000000	0.000000000	2.000000000	0.000000000	N/A

* Per $1,000 of Original Face Value   ** Estimated

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Cash Reconciliation Summary

Pool Source of Funds

Interest Summary

Interest Summary	
Scheduled Interest	1,074,932.68
Fees	69,659.44
Remittance Interest	1,005,273.24
Other Interest Proceeds/Shortfalls	
Prepayment Penalties	102,434.73
Other Interest Loss	0.00
Other Interest Proceeds	0.00
Non-advancing Interest	(286.50)
Non-Supported Interest Shortfall	0.00
Relief Act Shortfall	0.00
Modification Shortfall	0.00
Other Interest Proceeds/Shortfalls	102,148.23
Interest Adjusted	1,107,421.47
Fee Summary	
Total Servicing Fees	68,983.46
Total Trustee Fees	68.98
LPMI Fees	0.00
Credit Manager's Fees	0.00
Unpaid Serv Fees (Charged-off Loans)	0.00
Misc. Fees / Trust Expense	607.00
Insurance Premium	0.00
Total Fees	69,659.44

Advances (Principal & Interest)

Prior Month's Outstanding Advances	N/A
Current Advances	N/A
Reimbursement of Prior Advances	N/A
Outstanding Advances	1,019,914.64

Principal Summary

Principal Summary	
Scheduled Prin Distribution	84,855.80
Curtailments	5,212.15
Prepayments in Full	5,039,054.81
Liquidation Proceeds	1,719.56
Repurchase Proceeds	0.00
Other Principal Proceeds	0.00
Remittance Principal	5,130,842.32

Non-Pool Source of Funds

Supplemental Interest Trust

Net Swap Payments received	0.00
Net Swap Payments paid	0.00
Swap Termination Payments received	0.00
Swap Termination Payments paid	0.00
Defaulted Swap Termination Payments	0.00

Cap Contracts

Offered Certificates	0.00

Arrerages

Distributions to Certificates	191,120.15

P&I Due Certificate Holders	6,429,383.94

P&I Advances as of the end of the Due Period do not reflect the amount of advances remitted by the Servicer on the Servicer Remittance Date due to additional proceeds received between the end of the Due Period and the Servicer Remittance Date and netted from the P&I Advances stated as of the end of the Due Period.

Distribution Date: 25-Sep-06
Cash Reconciliation Summary (By Rate Type)

	Fixed	ARM	Total
Interest Summary			
Scheduled Interest	304,609.91	770,322.78	1,074,932.68
Fees	17,104.61	52,554.83	69,659.44
Remittance Interest	287,505.30	717,767.94	1,005,273.24
Other Interest Proceeds/Shortfalls			
Prepayment Penalties	16,724.29	85,710.44	102,434.73
Other Interest Loss	0.00	0.00	0.00
Other Interest Proceeds	0.00	0.00	0.00
Non-advancing Interest	(111.00)	(175.50)	(286.50)
Net PPIS/Relief Act Shortfall	0.00	0.00	0.00
Modification Shortfall	0.00	0.00	0.00
Other Interest Proceeds/Shortfalls	16,613.29	85,534.94	102,148.23
Interest Adjusted	304,118.59	803,302.88	1,107,421.47
Principal Summary			
Scheduled Principal Distribution	34,587.38	50,268.42	84,855.80
Curtailments	3,566.16	1,645.99	5,212.15
Prepayments in Full	812,020.44	4,227,034.37	5,039,054.81
Liquidation Proceeds	1,719.56	0.00	1,719.56
Repurchase Proceeds	0.00	0.00	0.00
Other Principal Proceeds	0.00	0.00	0.00
Less Mod Losses	0.00	0.00	0.00
Remittance Principal	851,893.54	4,278,948.78	5,130,842.32
Fee Summary			
Total Servicing Fees	17,087.52	51,895.94	68,983.46
Total Trustee Fees	17.09	51.90	68.98
LPMI Fees	0.00	0.00	0.00
Misc. Fees	0.00	607.00	607.00
Total Fees	17,104.61	52,554.83	69,659.44
Beginning Principal Balance	41,010,049.02	124,550,250.18	165,560,299.20
Ending Principal Balance	40,146,538.80	120,271,301.40	160,417,840.20

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Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Pool Detail and Performance Indicators Total (All Loans)

Pool Detail

Pool Level Information

Historical	**Amount**	**Count**	
Cutt-off Pool Balance	165,560,299.20	1,301	
Cum Scheduled Principal	84,855.80		
Cum Unscheduled Principal	5,044,266.96		
Cum Liquidations	13,336.24		
Cum Deferred Interest	0.00		
Current	**Amount**	**Count**	**%**
Beginning Pool	165,560,299.20	1,301	100.00%
Scheduled Principal	84,855.80		0.05%
Unscheduled Principal	5,044,266.96	37	3.05%
Deferred Interest	0.00		0.00%
Liquidations	13,336.24	1	0.01%
Repurchases	0.00	0	0.00%
Ending Pool	160,417,840.20	1,263	96.89%
Ending Actual Balance	160,567,200.33		
Average Loan Balance	127,013.33		

Current Loss Detail	**Amount**
Liquidation	13,336.24
Realized Loss	11,616.68
Realized Loss Adjustment	0.00
Net Liquidation	1,719.56

Credit Enhancement	**Amount**	**%**
Original OC	10,937,199.20	6.61%
Target OC	11,091,968.00	6.70%
Beginning OC	10,937,199.20	
Ending OC	11,091,968.00	
Most Senior Certificates	107,939,100.00	

Performance Indicators

Factors Impacting Principal Payment Rules

Delinquency Levels	**Num**	**Den**	**%**
3 mo. Rolling Average	20,529,467	160,417,840	12.80%
6 mo. Rolling Average	20,529,467	160,417,840	12.80%
12 mo. Rolling Average	20,529,467	160,417,840	12.80%
Loss Levels	**Amount**	**Count**	
3 mo. Cum Loss	11,616.68	1	
6 mo. Cum loss	11,616.68	1	
12 mo. Cum Loss	11,616.68	1	

Triggers

> Delinquency Trigger Event (2)			NO
Delinquency Event Calc (1)	20,529,467.39	160,417,840	12.80%
> Loss Trigger Event? (3)			NO
Cumulative Loss		11,617	0.01%
> Overall Trigger Event?			NO

Step Down Date		
Distribution Count	1	
Required Percentage (4)	N/A	
Step Down % (5)	30.20%	
% of Required Percentage (6)	23.00%	
> Step Down Date?		NO

Extra Principal	166,385.48
Cumulative Extra Principal	166,385.48
OC Release	N/A

Misc/Additional Information

WA Rates/Life

	Fixed	**Adj**	**Overall**
WAC - Remit Current	8.41%	6.92%	7.29%
WAC - Remit Original	8.41%	6.92%	7.29%
WAC - Current	8.91%	7.42%	7.79%
WAC - Original	8.91%	7.42%	7.79%
WAL - Current	270.89	348.30	328.95
WAL - Original	270.89	348.30	328.95

Current Index Rate	5.330000%
Next Index Rate	5.330000%

Prepayment Charges

	Amount	**Count**
Current	102,434.73	19
Cumulative	102,434.73	19

Pool Composition

Properties	**Balance**	**%/Score**
Cut-off LTV	140,026,649.32	84.58%
Cash Out/Refinance	84,863,845.42	51.26%
SFR	125,352,661.73	75.71%
Owner Occupied	159,818,387.58	96.53%

	Min	**Max**	**WA**
FICO	374	804	588.71

Legend: **(1)** 60 Days+, REO, BK, F/C % **(3)** Condn: Cum Loss > specified thresholds **(5)** Defined Benchmark
(2) (1) > (6) * (4), then TRUE **(4)** Most Senior Certs + OC Amount / Ending Pool Bal **(6)** Defined Benchmark (Used in Delinq Event Calc)

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Bond Interest Reconciliation

	- - Accrual - -									- - - - - - Recovered - - - - - -		- - - - - Outstanding - - - -		
Class	Method	Days	Opening Balance	Pass-Thru Rate	Accrual Certificate Interest	Total Interest Additions	Total Interest Deductions	Distributable Certificate Interest	Interest Payment Amount	Interest Carry-Forward Amount	Floating Rate Certficate Carry-Over	Interest Carry-Forward Amount	Floating Rate Certficate Carry-Over	Net Cap Rate in Effect Y/N
A	Act/360	13	107,939,000.00	5.610000000%	218,666.42	0.00	0.00	218,666.42	218,666.42	0.00	0.00	0.00	0.00	No
M-1	Act/360	13	14,403,000.00	5.780000000%	30,062.26	0.00	0.00	30,062.26	30,062.26	0.00	0.00	0.00	0.00	No
M-2	Act/360	13	15,561,000.00	6.030000000%	33,884.08	0.00	0.00	33,884.08	33,884.08	0.00	0.00	0.00	0.00	No
M-3	Act/360	13	6,787,000.00	7.280000000%	17,842.27	0.00	0.00	17,842.27	17,842.27	0.00	0.00	0.00	0.00	No
B	30/360	30	9,933,000.00	7.000000000%	57,942.50	0.00	0.00	57,942.50	57,942.50	0.00	0.00	0.00	0.00	No
C			165,560,299.20	N/A	647,482.51	191,120.15	0.00	838,602.66	671,323.68	0.00	0.00	0.00	0.00	N/A
P			0.00	N/A	0.00	102,434.73	0.00	102,434.73	102,434.73	0.00	0.00	0.00	0.00	N/A
R	Act/360	13	100.00	5.610000000%	0.20	0.00	0.00	0.20	0.20	0.00	0.00	0.00	0.00	No
Total			154,623,100.00		1,005,880.24	293,554.88	0.00	1,299,435.12	1,132,156.14	0.00	0.00	0.00	0.00	

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Bond Interest Reconciliation

Class	Record Date	Prior Interest Due Date	Current Interest Due Date	Additions: Supplemental Interest Trust	Additions: Payments From Cap Contracts	Additions: Prepayment Premiums	Additions: Interest Carry-Forward	Additions: Floating Rate Cartificate Carry-Over	Additions: Other Interest Proceeds [1]	Deductions: Non-Supported Interest Shortfall	Deductions: Interest Carry-Forward	Deductions: Floating Rate Cartificate Carry-Over
A	12-Sep-06	12-Sep-06	25-Sep-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M-1	12-Sep-06	12-Sep-06	25-Sep-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M-2	12-Sep-06	12-Sep-06	25-Sep-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M-3	12-Sep-06	12-Sep-06	25-Sep-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
B	12-Sep-06	1-Aug-06	1-Sep-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C	12-Sep-06	1-Aug-06	1-Sep-06	0.00	0.00	0.00	0.00	0.00	191,120.15	0.00	0.00	0.00
P	12-Sep-06	1-Aug-06	1-Sep-06	0.00	0.00	102,434.73	0.00	0.00	0.00	0.00	0.00	0.00
R	12-Sep-06	12-Sep-06	25-Sep-06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total				0.00	0.00	102,434.73	0.00	0.00	191,120.15	0.00	0.00	0.00

[1] Other Interest Proceeds are additional interest amounts specifically allocated to the bond(s) and used in determining the bonds Distributable Interest.
[2] Interest Carry-Forward Shortfall is unpaid interest with interest thereon.

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Bond Principal Reconciliation

Class	Original Class Balance	Beginning Class Balance	Scheduled Principal Payment	Unscheduled Principal Payment	Extra Principal Payment	Losses: Prior Loss Reimburs.	Losses: Current Losses	Losses: Cumulative Losses	Losses: Interest on Losses	Ending Class Balance	Rated Final Maturity	Credit Support: Original	Credit Support: Current
A	107,939,000.00	107,939,000.00	84,755.80	5,045,986.52	166,385.48	0.00	0.00	0.00	0.00	102,641,872.20	25-Jan-47	34.80%	36.02%
M-1	14,403,000.00	14,403,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14,403,000.00	25-Jan-47	26.10%	27.04%
M-2	15,561,000.00	15,561,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15,561,000.00	25-Jan-47	16.71%	17.34%
M-3	6,787,000.00	6,787,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6,787,000.00	25-Jan-47	12.61%	13.11%
B	9,933,000.00	9,933,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,933,000.00	25-Jan-47	6.61%	6.91%
C	165,560,299.20	165,560,299.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	160,417,840.20	25-Jan-47	N/A	N/A
P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25-Jan-47	N/A	N/A
R	100.00	100.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25-Jan-47	34.80%	N/A
Total	154,623,100.00	154,623,100.00	84,855.80	5,045,986.52	166,385.48	0.00	0.00	0.00	0.00	149,325,872.20			

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Ratings Information

		Original Ratings				Ratings Change / Change Date [1]			
Class	CUSIP	Fitch	Moody's	DBRS	S&P	Fitch	Moody's	DBRS	S&P
A	59023JAA5	NR	Aaa	NR	AAA				
M-1	59023JAB3	NR	Aa2	NR	AA+				
M-2	59023JAC1	NR	A2	NR	AA-				
M-3	59023JAD9	NR	Baa2	NR	A				
B	59023JAE7	NR	Ba2	NR	BBB-				
C	59023JAG2	NR	NR	NR	NR				
P	59023JAH0	NR	NR	NR	NR				
R	59023JAF4	NR	NR	NR	AAA				

NR - Designates that the class was not rated by the rating agency.

[1] Changed ratings provided on this report are based on information provided by the applicable rating agency via electronic transmission. It shall be understood that this transmission will generally have been provided to LaSalle within 30 days of the payment date listed on this statement. Because ratings may have changed during the 30 day window, or may not be being provided by the rating agency in an electronic format and therefore not being updated on this report, LaSalle recommends that investors obtain current rating information directly from the rating agency.

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Asset-Backed Facts ~ 15 Month Historical Loan Status Summary Part I (as of Cut-Off)

Distribution Date	Current		Delinq 1 Month		Delinq 2 Months		Delinq 3+ Months		Bankruptcy		Foreclosure		REO	
	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance
Total (All Loans)														
25-Sep-06	986	120,954,080	120	18,934,293	53	8,001,999	35	4,232,576	49	5,687,579	20	2,607,313	0	0

Total (All Loans)														
25-Sep-06	78.07%	75.40%	9.50%	11.80%	4.20%	4.99%	2.77%	2.64%	3.88%	3.55%	1.58%	1.63%	0.00%	0.00%

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Asset-Backed Facts ~ 15 Month Historical Loan Status Summary Part I (as of Cut-Off)

Distribution Date	Current		Delinq 1 Month		Delinq 2 Months		Delinq 3+ Months		Bankruptcy		Foreclosure		REO	
	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance
							Fixed							
25-Sep-06	519	32,261,696	48	4,332,465	20	1,598,797	17	946,072	18	852,234	4	155,275	0	0

							Fixed							
25-Sep-06	82.91%	80.36%	7.67%	10.79%	3.19%	3.98%	2.72%	2.36%	2.88%	2.12%	0.64%	0.39%	0.00%	0.00%

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Asset-Backed Facts ~ 15 Month Historical Loan Status Summary Part I (as of Cut-Off)

Distribution Date	Current		Delinq 1 Month		Delinq 2 Months		Delinq 3+ Months		Bankruptcy		Foreclosure		REO	
	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance	Count	Balance
							ARM							
25-Sep-06	467	88,692,384	72	14,601,828	33	6,403,202	18	3,286,504	31	4,835,345	16	2,452,039	0	0

							ARM							
25-Sep-06	73.31%	73.74%	11.30%	12.14%	5.18%	5.32%	2.83%	2.73%	4.87%	4.02%	2.51%	2.04%	0.00%	0.00%

LaSalle Bank ABN AMRO

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Asset-Backed Facts ~ 15 Month Historical Loan Status Summary Part II (as of Cut-Off)

Distribution Date	In Foreclosure and Delinquent								In REO and Delinquent								In Bankruptcy and Delinquent							
	Current		31-60 Days		61-90 Days		90 + Days		Current		31-60 Days		61-90 Days		90 + Days		Current		31-60 Days		61-90 Days		90 + Days	
	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance
Total (All Loans)																								
25-Sep-06	0	0	1	1,384	4	490,569	15	2,115,360	0	0	0	0	0	0	0	0	18	2,728,409	5	476,043	5	564,831	21	1,918,297

Total (All Loans)

25-Sep-06	0.00%	0.00%	0.08%	0.00%	0.32%	0.31%	1.19%	1.32%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.43%	1.70%	0.40%	0.30%	0.40%	0.35%	1.66%	1.20%

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Asset-Backed Facts ~ 15 Month Historical Loan Status Summary Part II (as of Cut-Off)

Distribution Date	In Foreclosure and Delinquent								In REO and Delinquent								In Bankruptcy and Delinquent							
	Current		31-60 Days		61-90 Days		90 + Days		Current		31-60 Days		61-90 Days		90 + Days		Current		31-60 Days		61-90 Days		90 + Days	
	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance
Fixed																								
25-Sep-06	0	0	1	1,384	0	0	3	153,891	0	0	0	0	0	0	0	0	6	373,202	1	31,475	4	242,451	7	205,106
Fixed																								
25-Sep-06	0.00%	0.00%	0.16%	0.00%	0.00%	0.00%	0.48%	0.38%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.96%	0.93%	0.16%	0.08%	0.64%	0.60%	1.12%	0.51%

LaSalle Bank
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Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Asset-Backed Facts ~ 15 Month Historical Loan Status Summary Part II (as of Cut-Off)

Distribution Date	In Foreclosure and Delinquent								In REO and Delinquent								In Bankruptcy and Delinquent							
	Current		31-60 Days		61-90 Days		90 + Days		Current		31-60 Days		61-90 Days		90 + Days		Current		31-60 Days		61-90 Days		90 + Days	
	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance	#	Balance
ARM																								
25-Sep-06	0	0	0	0	4	490,569	12	1,961,470	0	0	0	0	0	0	0	0	12	2,355,207	4	444,568	1	322,380	14	1,713,191

ARM																								
25-Sep-06	0.00%	0.00%	0.00%	0.00%	0.63%	0.41%	1.88%	1.63%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.88%	1.96%	0.63%	0.37%	0.16%	0.27%	2.20%	1.42%

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Asset-Backed Facts ~ 15 Month Historical Payoff/Loss Summary

Distribution Date	Ending Pool #	Ending Pool Balance	Payoffs #	Payoffs Balance	Insurance Proceeds	Substitution Proceeds	Liquidation Proceeds	Realized Losses #	Realized Losses Amount	Remaining Term Life	Curr Weighted Avg. Coupon	Curr Weighted Avg. Remit
Total (All Loans)												
25-Sep-06	1,263	160,417,840	37	5,039,055	0.00	0.00	1,719.56	1	11,617	329	7.79%	7.29%
Fixed												
25-Sep-06	626	40,146,539	12	812,020	0.00	0.00	1,719.56	1	11,617	271	8.91%	8.41%

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

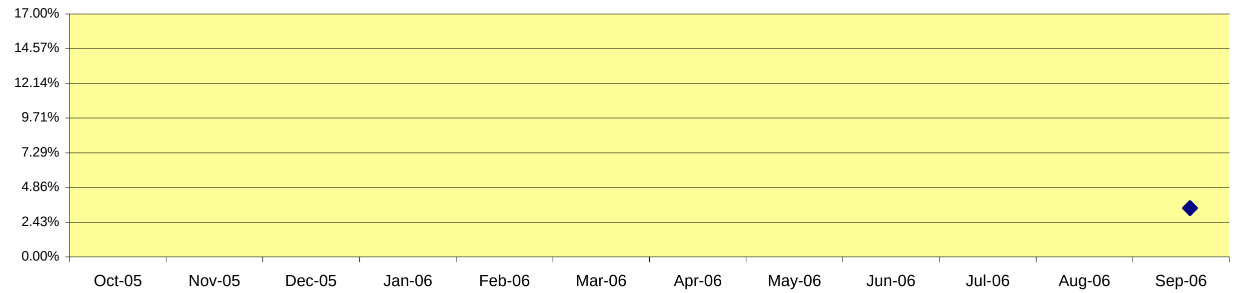
Distribution Date: 25-Sep-06
Asset-Backed Facts ~ 15 Month Historical Payoff/Loss Summary

Distribution Date	Ending Pool		Payoffs		Insurance	Substitution	Liquidation	Realized Losses		Remaining Term	Curr Weighted Avg.	
	#	Balance	#	Balance	Proceeds	Proceeds	Proceeds	#	Amount	Life	Coupon	Remit
						ARM						
25-Sep-06	637	120,271,301	25	4,227,034	0.00	0.00	0.00	0	0	348	7.42%	6.92%

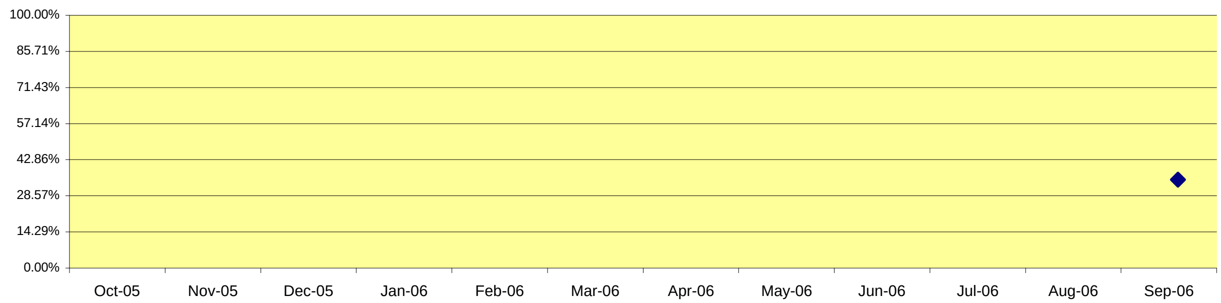
Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Prepayment Summary

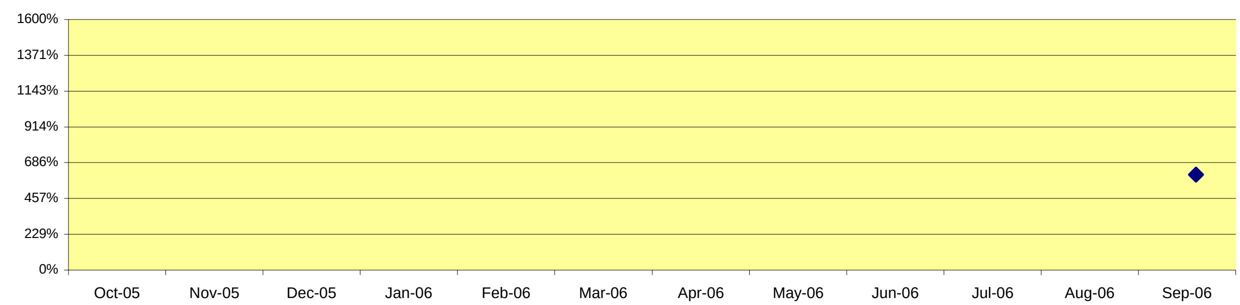
SMM (Single Monthly Mortality)	**Total**
Current Period	3.06%
3-Month Average	3.06%
6-Month Average	3.06%
12-Month Average	3.06%
Average Since Cut-Off	3.06%



CPR (Conditional Prepayment Rate)	**Total**
Current Period	31.10%
3-Month Average	31.10%
6-Month Average	31.10%
12-Month Average	31.10%
Average Since Cut-Off	31.10%



PSA (Public Securities Association)	**Total**
Current Period	518%
3-Month Average	518%
6-Month Average	518%
12-Month Average	518%
Average Since Cut-Off	518%



SMM	Single Monthly Mortality	(Partial and Full Prepayments + Repurchases + Liquidations + Other Principal Proceeds) / (Beginning Collateral Balance - Scheduled Principal)
CPR	Conditional Prepayment Rate	1 - (1 - SMM)^12)
PSA	Public Securities Association	100 * CPR / (0.2 * MIN(30,WAS))
WAS	Weighted Average Seasoning	(Original Term - Remaining Term) * (Current Scheduled Balance / Deal Scheduled Principal Balance)

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Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Mortgage Loan Characteristics Part I

Distribution by Current Ending Principal Balance

Min		Max	Count	% of Total	Balance	% of Total
1,000	to	22,000	125	9.90%	2,010,672	1.25%
22,000	to	36,000	163	12.91%	4,580,669	2.86%
36,000	to	50,000	96	7.60%	4,128,281	2.57%
50,000	to	64,000	79	6.25%	4,510,428	2.81%
64,000	to	78,000	83	6.57%	5,922,903	3.69%
78,000	to	92,000	86	6.81%	7,239,288	4.51%
92,000	to	129,000	172	13.62%	18,797,775	11.72%
129,000	to	166,000	110	8.71%	16,061,527	10.01%
166,000	to	203,000	86	6.81%	15,790,614	9.84%
203,000	to	240,000	74	5.86%	16,339,638	10.19%
240,000	to	277,000	62	4.91%	16,038,847	10.00%
277,000	to	764,000	127	10.06%	48,997,198	30.54%
			1,263	100.00%	160,417,840	100.00%

Distribution by Cut-off Principal Balance

Min		Max	Count	% of Total	Balance	% of Total
1,000	to	22,000	126	9.68%	2,021,625	1.22%
22,000	to	36,000	166	12.76%	4,660,029	2.81%
36,000	to	50,000	99	7.61%	4,260,333	2.57%
50,000	to	64,000	83	6.38%	4,736,620	2.86%
64,000	to	78,000	84	6.46%	5,990,562	3.62%
78,000	to	93,000	94	7.23%	7,970,982	4.81%
93,000	to	130,000	172	13.22%	18,978,541	11.46%
130,000	to	167,000	118	9.07%	17,333,875	10.47%
167,000	to	204,000	93	7.15%	17,177,504	10.38%
204,000	to	241,000	78	6.00%	17,357,322	10.48%
241,000	to	277,000	58	4.46%	15,117,184	9.13%
277,000	to	764,000	130	9.99%	49,955,722	30.17%
			1,301	100.00%	165,560,299	100.00%

Distribution by Current Mortgage Rate

Min		Max	Count	% of Total	Balance	% of Total
2.00%	to	6.30%	126	9.98%	28,324,951	17.66%
6.30%	to	6.77%	94	7.44%	18,999,566	11.84%
6.77%	to	7.23%	106	8.39%	21,746,708	13.56%
7.23%	to	7.70%	134	10.61%	23,812,285	14.84%
7.70%	to	8.17%	84	6.65%	14,445,445	9.00%
8.17%	to	8.65%	90	7.13%	13,072,361	8.15%
8.65%	to	9.20%	83	6.57%	11,918,637	7.43%
9.20%	to	9.75%	79	6.25%	6,772,267	4.22%
9.75%	to	10.30%	100	7.92%	6,371,667	3.97%
10.30%	to	10.84%	75	5.94%	3,956,022	2.47%
10.84%	to	11.44%	150	11.88%	6,061,239	3.78%
11.44%	to	14.00%	142	11.24%	4,936,694	3.08%
			1,263	100.00%	160,417,840	100.00%

Distribution by Original Mortgage Rate

Min		Max	Count	% of Total	Balance	% of Total
2.00%	to	6.34%	130	9.99%	29,191,845	17.63%
6.34%	to	6.80%	98	7.53%	19,847,444	11.99%
6.80%	to	7.25%	132	10.15%	26,344,811	15.91%
7.25%	to	7.70%	112	8.61%	19,655,738	11.87%
7.70%	to	8.16%	86	6.61%	14,560,565	8.79%
8.16%	to	8.65%	95	7.30%	14,248,239	8.61%
8.65%	to	9.20%	87	6.69%	12,535,595	7.57%
9.20%	to	9.75%	83	6.38%	7,251,611	4.38%
9.75%	to	10.30%	101	7.76%	6,515,515	3.94%
10.30%	to	10.84%	81	6.23%	4,261,302	2.57%
10.84%	to	11.44%	152	11.68%	6,154,586	3.72%
11.44%	to	14.00%	144	11.07%	4,993,049	3.02%
			1,301	100.00%	165,560,299	100.00%

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Mortgage Loan Characteristics Part II

Distribution by Product Characteristics (Current)

Product Type	# of Loans	Ending Balance	% of Balance	WAMM	WAC
Adjustable	637	120,271,301	74.97%	348.30	7.41%
Fixed 1st Lien	149	21,337,844	13.30%	332.22	7.33%
Fixed 2nd Lien	477	18,808,695	11.72%	201.04	10.68%
Total	1,263	160,417,840	100.00%		

Distribution by Product Characteristics (Cut-off)

Product Type	# of Loans	Original Principal Balance	% of Balance	WAMM	WAC
Adjustable	662	124,550,250	75.23%	361.01	7.42%
Fixed 1st Lien	152	21,740,770	13.13%	349.25	7.35%
Fixed 2nd Lien	487	19,269,279	11.64%	213.93	10.68%
Total	1,301	165,560,299	100.00%		

Distribution by Property Types (Current)

Property Type	# of Loans	Ending Balance	% of Balance	WAMM	WAC
SF Unattached Dwelling	986	121,872,958	75.97%	329.29	7.79%
PUD	141	17,463,290	10.89%	323.58	7.72%
Condo - Low Facility	68	9,839,773	6.13%	323.65	7.72%
Multifamily	37	7,377,735	4.60%	341.80	7.77%
Unknown	23	3,389,900	2.11%	332.81	7.87%
Mobile Home Park	8	474,183	0.30%	304.97	7.40%
Total	1,263	160,417,840	100.00%		

Distribution by Property Types (Cut-off)

Property Type	# of Loans	Ending Balance	% of Balance	WAMM	WAC
SF Unattached Dwelling	1,015	125,352,662	75.71%	342.65	7.81%
PUD	146	18,412,780	11.12%	337.78	7.69%
Condo - Low Facility	70	10,062,543	6.08%	336.26	7.72%
Multifamily	39	7,864,890	4.75%	355.41	7.83%
Unknown	23	3,392,477	2.05%	344.48	7.87%
Mobile Home Park	8	474,947	0.29%	337.85	7.40%
Total	1,301	165,560,299	100.00%		

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Mortgage Loan Characteristics Part II

Distribution by Occupancy Type (Current)

Occupancy Type	# of Loans	Ending Balance	% of Balance	WAMM	WAC
Owner Occupied - Primary Residence	1,216	154,639,089	96.40%	328.47	7.77%
Non-Owner Occupied	45	5,681,398	3.54%	340.32	8.01%
Owner Occupied - Secondary Residence	2	97,353	0.06%	341.96	5.66%
Total	1,263	160,417,840	100.00%		

Distribution by Occupancy Type (Cut-off)

Occupancy Type	# of Loans	Ending Balance	% of Balance	WAMM	WAC
Owner Occupied - Primary Residence	1,253	159,720,900	96.47%	341.98	7.78%
Non-Owner Occupied	46	5,741,912	3.47%	352.22	8.01%
Owner Occupied - Secondary Residence	2	97,488	0.06%	360.00	5.66%
Total	1,301	165,560,299	100.00%		

Distribution by Loan Purpose (Current)

Loan Purpose	# of Loans	Ending Balance	% of Balance	WAMM	WAC
Purchase	752	78,599,663	49.00%	318.93	7.83%
Refinance/Equity Takeout	440	72,397,190	45.13%	339.75	7.73%
Refinance/No Cash Out	70	9,408,308	5.86%	328.77	7.72%
Unknown	1	12,680	0.01%	225.00	11.49%
Total	1,263	160,417,840	100.00%		

Distribution by Loan Purpose (Cut-off)

Loan Purpose	# of Loans	Ending Balance	% of Balance	WAMM	WAC
Purchase	770	80,683,774	48.73%	332.15	7.83%
Refinance/Equity Takeout	458	75,073,397	45.35%	352.86	7.75%
Refinance/No Cash Out	72	9,790,449	5.91%	345.93	7.75%
Unknown	1	12,680	0.01%	240.00	11.49%
Total	1,301	165,560,299	100.00%		

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Mortgage Loan Characteristics Part II

Distribution by Originator Concentration > 10% (Current)

Originator	# of Loans	Ending Balance	% of Balance	WAMM	WAC
Wilmington	324	49,705,955	30.99%	334.52	7.70%
Ownit	166	30,664,382	19.12%	346.41	6.61%

Distribution by Originator Concentration > 10% (Cut-off)

Originator	# of Loans	Ending Balance	% of Balance	WAMM	WAC
Wilmington	334	51,101,592	30.87%	347.48	7.71%
Ownit	168	30,880,333	18.65%	358.50	6.60%

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Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Geographic Concentration

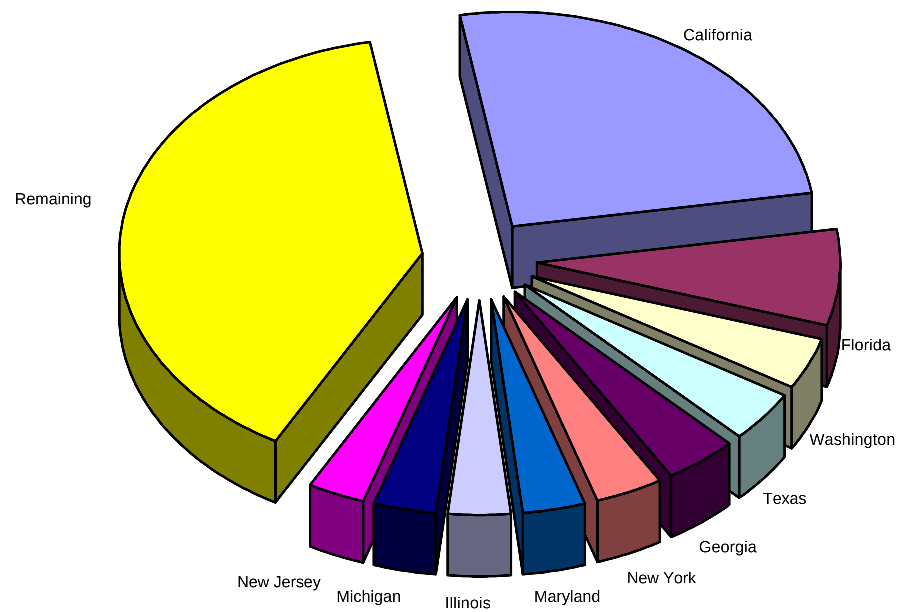
Top 10 Current State Concentration

Geographic Distribution	# of Loans	Balance [1]	% of Balance	WAMM	WAC
California	166	40,756,673	25.41%	336	7.10%
Florida	72	11,545,554	7.20%	329	8.01%
Washington	43	6,271,284	3.91%	338	7.37%
Texas	127	6,066,432	3.78%	295	9.26%
Georgia	56	6,016,588	3.75%	332	8.04%
New York	24	5,822,524	3.63%	335	7.51%
Maryland	31	5,606,627	3.50%	326	7.77%
Illinois	61	5,357,989	3.34%	312	8.30%
Michigan	71	5,162,308	3.22%	318	8.43%
New Jersey	25	5,088,707	3.17%	339	7.54%
Remaining	587	62,723,155	39.10%	328	7.99%

Top 10 Original State Concentration

Geographic Distribution	# of Loans	Balance [1]	% of Balance	WAMM	WAC
California	173	41,658,847	25.16%	348	7.13%
Florida	77	12,237,998	7.39%	340	7.96%
Texas	130	6,604,429	3.99%	313	9.21%
Washington	43	6,274,685	3.79%	351	7.37%
New York	25	6,140,849	3.71%	352	7.56%
Georgia	56	6,019,963	3.64%	347	8.04%
Illinois	64	5,747,672	3.47%	327	8.30%
Maryland	31	5,610,127	3.39%	339	7.77%
Michigan	74	5,425,502	3.28%	334	8.39%
New Jersey	26	5,247,537	3.17%	354	7.56%
Remaining	602	64,592,690	39.01%	342	8.00%

Top 10 Current State Concentration



[1] Based on Current Period Ending Principal Balance

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Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Current Period Realized Loss Detail

Disclosure Control #	Period	Original Liquidation Balance	Net Liquidation Proceeds	Loss-Loan Non-adjusted	Loss to Trust	Loss-Certs Non-adjusted	Subsequent Recov/(Exp)	Loss-Loan Adjusted	Loss-Certs Adjusted	Liq Type	Adj Type
684231	200609	13,336.24	1,719.56	11,616.68	0.00	11,616.68	0.00	11,616.68	11,616.68	C	
Current Total		13,336.24	1,719.56	11,616.68	0.00	11,616.68	0.00	11,616.68	11,616.68		
Cumulative		13,336.24	1,719.56	11,616.68	0.00	11,616.68	0.00	11,616.68	11,616.68		

Liq. Type Code - Legend

Charge-off	C	REO	R
Matured	M	Short Pay	S
Repurchase	N	Third Party	T
Note Sale	O	Write-off	W
Paid in Full	P		

Adjustment Legend

Escrow Bal/Adv	1	Third Party	6
MREC	2	Charged Off/Matured	7
Rest'd Escrow	3	Side Note	8
Replacement Res.	4	Manual	9
Suspense	5		

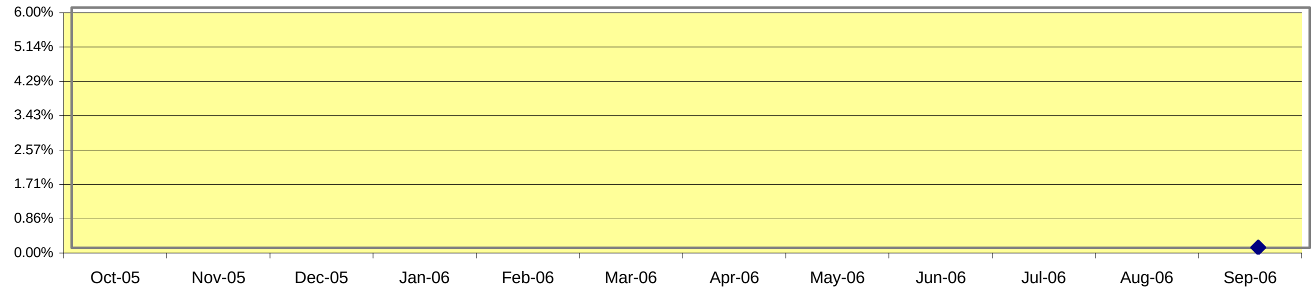
Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Historical Realized Loss Summary
Total (All Loans)

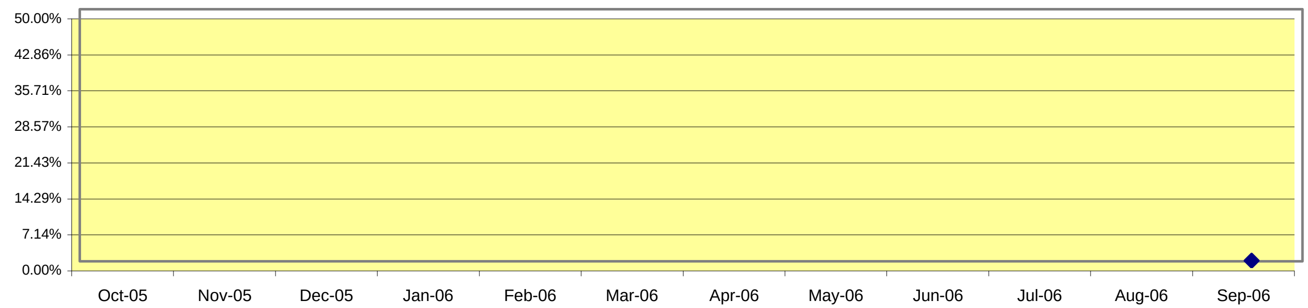
	Current Realized Loss				Previous Liquidations/Payoffs							
Distribution Date	Beginning Scheduled Balance	Net Liquidation Proceeds	Realized Loss	Loan Count	Claims on Prior Liquidations		Recovery on Prior Liquidations		(Claims)/Recoveries on Prior Payoffs		Realized Loss Adjusted	Cumulative Realized Loss
					Amount	Count	Amount	Count	Amount	Count		
25-Sep-06	13,336.24	1,719.56	11,616.68	1	0.00	0	0.00	0	0.00	0	11,616.68	11,616.68
Total	13,336.24	1,719.56	11,616.68	1	0.00	0	0.00	0	0.00	0	11,616.68	

Distribution Date: 25-Sep-06
Realized Loss Summary

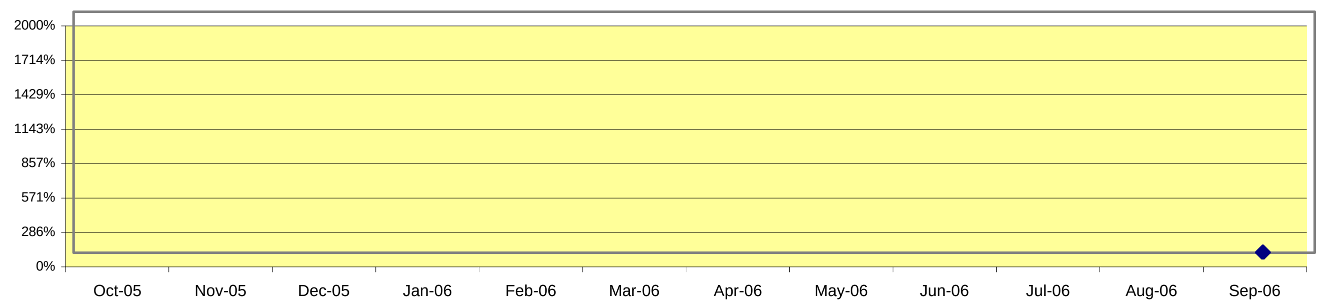
MDR (monthly Default Rate)	Total
Current Period	0.01%
3-Month Average	0.00%
6-Month Average	0.00%
12-Month Average	0.00%
Average Since Cut-Off	0.01%



CDR (Conditional Default Rate)	Total
Current Period	0.10%
3-Month Average	0.03%
6-Month Average	0.02%
12-Month Average	0.01%
Average Since Cut-Off	0.10%



SDA (Standard Default Assumption)	Total
Current Period	3.22%
3-Month Average	1.07%
6-Month Average	0.54%
12-Month Average	0.27%
Average Since Cut-Off	3.22%



MDR	Monthly Default Rate	(Beginning Principal Balance of Liquidated Loans) / (Total Beginning Principal Balance)
CDR	Conditional Default Rate	$1 - (1 - \text{MDR})^{12}$
SDA	Standard Default Assumption	If WAS=30 then CDR/(WAS*0.02) else if 30<WAS=60 then CDR/0.6 else if 60<WAS=120 then CDR/(0.6-((WAS-60)*0.0095)) else if WAS>120 then CDR/0.03
WAS	Weighted Average Seasoning	(Original Term - Remaining Term) * (Current Scheduled Balance / Deal Scheduled Principal Balance)

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Servicemembers Civil Relief Act

Disclosure Control #	Beginning Balance	Scheduled Principal	Unscheduled Principal	Ending balance	Loan Rate	P&I Amount	Scheduled Interest	Interest Received	Relief Act Interest Shortfall

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Material Breaches Detail

Disclosure Control #	Loan Group #	Ending Principal Balance	Material Breach Date	Material Breach Description

Material breaches of pool asset representation or warranties or transaction covenants.

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Modified Loan Detail

Disclosure Control #	Loan Group #	Modified Maturity Date	Cutoff Maturity Date	Modification Description

Modifications include any extensions or waivers to the mortgage loan terms, fees, penalties or payments during the preceding calendar month or that have become material over time.

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Collateral Asset Changes

Disclosure Control #	Beginning Principal Balance	Description

Merrill Lynch Mortgage Investors Trust
Mortgage Loan Asset-Backed Certificates
Series 2006-SD1

Distribution Date: 25-Sep-06
Historical Collateral Level REO Report

Disclosure Control #	REO Date	City	State	Property Type	Actual Balance	Scheduled Balance	Recent Appraisal Value	Appraisal Date	Appraisal Reduction Amount	Date Liquidated	Liquidation Proceeds	Liquidation Expenses	Realized Loss