FORM 5

Form 3 Holdings Reported.

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL									
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ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Form 4 Transac	tions Reported	I.	,				estment Con			1004						
Name and Address of Reporting Person* Dyer William B.				2. Issuer Name and Ticker or Trading Symbol CHIMERA INVESTMENT CORP [CIM]						5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner						
(Last) (First) (Middle) C/O: CHIMERA INVESTMENT CORPORATION					3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) 12/31/2009					×	Officer (give title Other (eneci					
1211 AVENUE OF THE AMERICAS, SUITE 2902				4. If Amendment, Date of Original Filed (Month/Day/Year)					6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person							
(Street) NEW YORK	NY	10	036									Form filed	by Mo	re than Or	ne Reporting	g Person
(City)	(State)	(Zip))													
1		Tal	ble I - Non-Dei	rivative Se	ecuriti	es Acqı	ıired, Disp	osed c	f, or E	Benefici	ally Ov	/ned				
1. Title of Security (Instr. 3) 2. Transaction Date (Month/Day/Year)			Execution Date,		3. Transaction Code (Instr.				` ′ [5. Amount of Securities		6. Owner Form: Di (D) or Inc	rect Indi	7. Nature of Indirect Beneficial		
			(Month/Day/Tear)	r) if any (Month/Day/Year)		8)	 		(A) or (D)	Price		Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)		(I) (Instr.	4) Owr	Ownership (Instr. 4)
Common Stock											74,649		D			
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)																
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security 3. Transaction Date (Month/Day/Year)		Execution Date, ear) if any	4. Transaction Code (Instr. 8)	Derivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		Secu Deriv	7. Title and Amou Securities Underly Derivative Securit 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
	(A) (D) Date Expiration Date Date				n Title		Amount or Number of Share	s	Trans	eported ansaction(s) estr. 4)						

Explanation of Responses:

Remarks:

/s/ William Dyer

02/05/2010

** Signature of Reporting Person

Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.