SUN MICROSYSTEMS, INC.

Form 3

September 15, 2006

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

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INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

SECURITIES

30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement SUN MICROSYSTEMS, INC. [SUNW] À MCCABE EUGENE G (Month/Day/Year) 09/05/2006 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 4150 NETWORK CIRCLE (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) 10% Owner Director _X_ Form filed by One Reporting _X__ Officer Other Person SANTA CLARA, Â CAÂ 95054 (give title below) (specify below) Form filed by More than One EVP, World Wide Operations Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 2. Amount of Securities 4. Nature of Indirect Beneficial 1. Title of Security Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) D Â Common Stock 87,442 (1) Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly. 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 control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative	2. Date Exercisable	e and	3. Title and	Amount of	4.	5.	6. Nature of
Security	Expiration Date (Month/Day/Year)		Securities Underlying		Conversion	Ownership	Indirect Beneficial
(Instr. 4)			Derivative Security		or Exercise	Form of	Ownership
			(Instr. 4)		Price of	Derivative	(Instr. 5)
	Data Essesiantia	Expiration Date	Title	Amount or Number of	Derivative	Security:	
	Date Exercisable				Security Direct (D)		
						or Indirect	

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				Shares		(I) (Instr. 5)	
Employee Stock Option (Right to Buy)	11/10/2000(3)	11/10/2007	Common Stock	240,000	\$ 28.0782	D	Â
Employee Stock Option (Right to Buy)	04/12/2001(3)	04/12/2008	Common Stock	26,000	\$ 40	D	Â
Employee Stock Option (Right to Buy)	10/11/2001(3)	10/11/2008	Common Stock	40,000	\$ 50.9375	D	Â
Employee Stock Option (Right to Buy)	04/18/2002(3)	04/18/2009	Common Stock	18,000	\$ 18.58	D	Â
Employee Stock Option (Right to Buy)	06/13/2002(3)	06/13/2009	Common Stock	102,000	\$ 16.25	D	Â
Employee Stock Option (Right to Buy)	09/27/2002(3)	09/27/2009	Common Stock	18,000	\$ 7.91	D	Â
Employee Stock Option (Right to Buy)	11/07/2002(3)	11/07/2009	Common Stock	25,000	\$ 12.59	D	Â
Employee Stock Option (Right to Buy)	11/07/2002(3)	11/07/2009	Common Stock	25,000	\$ 12.59	D	Â
Employee Stock Option (Right to Buy)	03/19/2003(3)	03/19/2010	Common Stock	200	\$ 9.14	D	Â
Employee Stock Option (Right to Buy)	03/19/2003(3)	03/19/2010	Common Stock	18,000	\$ 9.14	D	Â
Employee Stock Option (Right to Buy)	05/14/2003(3)	05/14/2010	Common Stock	20,000	\$ 7.07	D	Â
Employee Stock Option (Right to Buy)	07/25/2003(4)	07/25/2010	Common Stock	70,000	\$ 3.7	D	Â
Employee Stock Option (Right to Buy)	01/14/2004(5)	01/14/2013	Common Stock	100,000	\$ 3.9	D	Â
Employee Stock Option (Right to Buy)	07/23/2004(6)	07/23/2013	Common Stock	360,000	\$ 3.85	D	Â

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Employee Stock Option (Right to Buy)	07/29/2005(7)	07/29/2012	Common Stock	250,000	\$ 3.79	D	Â
Employee Stock Option (Right to Buy)	04/28/2006(8)	04/28/2013	Common Stock	250,000	\$ 3.44	D	Â
Employee Stock Option (Right to Buy)	07/28/2006(9)	07/28/2013	Common Stock	300,000	\$ 3.85	D	Â
Employee Stock Option (Right to Buy)	07/27/2007(10)	07/27/2014	Common Stock	400,000	\$ 4.26	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
MCCABE EUGENE G 4150 NETWORK CIRCLE SANTA CLARA, CA 95054	Â	Â	EVP, World Wide Operations	Â		

Signatures

/s/ Eugene G.
McCabe

**Signature of Reporting Person

O9/15/2006

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, *see* Instruction 5(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).
- (1) This includes 82,750 shares of unvested restricted stock.
- (2) This option was granted under the Sun Microsystems, Inc. 1990 Long-Term Equity Incentive Plan.
- (3) Immediately.
- (4) This option vests and becomes exercisable in five equal annual installments of 14,000 shares beginning on July 25, 2003.
- (5) This option vests and becomes exercisable in five equal annual installments of 20,000 shares beginning on January 14, 2004.
- (6) This option vests and becomes exercisable in five equal annual installments of 72,000 shares beginning on July 23, 2004.
- (7) This option vests and becomes exercisable in five equal annual installments of 50,000 shares beginning on July 29, 2005.
- (8) This option vests and becomes exercisable in five equal annual installments of 50,000 shares beginning on April 28, 2006.
- (9) This option vests and becomes exercisable in five equal annual installments of 60,000 shares beginning on July 28, 2006.
- (10) This option vests and becomes exercisable in five equal annual installments of 80,000 shares beginning on July 27, 2007.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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