

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

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

1. Name and Address of Reporting Person* <u>HUEY JOHN E</u> <hr/> (Last) (First) (Middle) <u>C/O TIMBLE NAVIGATION LTD</u> <u>749 N MARY AVE</u> <hr/> (Street) <u>SUNNYVALE CA 94085</u> <hr/> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>TRIMBLE NAVIGATION LTD /CA/ [TRMB]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner Officer (give title below) Other (specify below) X Treasurer
	3. Date of Earliest Transaction (Month/Day/Year) <u>09/13/2004</u>	

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	09/13/2004		M		187	A	\$6.625	6,842	D	
Common Stock	09/13/2004		S ⁽¹⁾		187	D	\$30	6,655	D	
Common Stock	09/13/2004		M		1,500	A	\$7.9583	8,155	D	
Common Stock	09/13/2004		S ⁽¹⁾		1,500	D	\$30	6,655	D	
Common Stock	09/13/2004		M		1,313	A	\$10.2267	7,968	D	
Common Stock	09/13/2004		S ⁽¹⁾		1,313	D	\$30	6,655 ⁽²⁾	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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Employee Stock Option	\$6.625	09/13/2004		M			187	(3)	09/03/2008	Common Stock	187	\$0	0	D	
Employee Stock Option	\$7.9583	09/13/2004		M			1,500	(3)	08/03/2009	Common Stock	1,500	\$0	0	D	
Employee Stock Option	\$10.2267	09/13/2004		M			1,313	(3)	06/21/2012	Common Stock	1,313	\$0	5,437	D	

Explanation of Responses:

- The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on May 27, 2004.
- Includes 510 shares acquired under the Trimble Navigation stock purchase plan of June 30, 2004.
- This option is exercisable 20% at the end of the first year and 1.67% a month thereafter.

/s/ John E. Huey 09/14/2004
 ** 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.