

TRIMBLE NAVIGATION LTD /CA/

Form 4

April 26, 2006

FORM 4**UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

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 OF
SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,
Section 17(a) of the Public Utility Holding Company Act of 1935 or Section
30(h) of the Investment Company Act of 1940

OMB APPROVAL

OMB
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(Print or Type Responses)

1. Name and Address of Reporting Person *
FOSBURGH BRYN

2. Issuer Name **and** Ticker or Trading
Symbol
TRIMBLE NAVIGATION LTD
/CA/ [TRMB]

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

(Last) (First) (Middle)

3. Date of Earliest Transaction
(Month/Day/Year)
04/24/2006

____ Director ____ 10% Owner
__X__ Officer (give title ____ Other (specify
below) below)
Vice President

C/O TIMBLE NAVIGATION
LTD, 935 STEWART DRIVE

(Street)

4. If Amendment, Date Original
Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check
Applicable Line)
__X__ Form filed by One Reporting Person
____ Form filed by More than One Reporting
Person

SUNNYVALE, CA 94085

(City) (State) (Zip)

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	04/24/2006		M		1,375	A	\$ 10.2267	6,098	D
Common Stock	04/24/2006		S		1,375	D	\$ 47.0769	4,723	D
Common Stock	04/24/2006		M		3,000	A	\$ 8.5333	7,723	D
Common Stock	04/24/2006		S		3,000	D	\$ 47.0769	4,723	D
Common Stock	04/24/2006		M		6,510	A	\$ 17	11,233	D

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Common Stock	04/24/2006	S	6,510	D	\$ 47.0769	4,723	D
Common Stock	04/24/2006	M	491	A	\$ 17	5,214	D
Common Stock	04/24/2006	S	491	D	\$ 47.0769	4,723	D
Common Stock	04/24/2006	M	7,751	A	\$ 29.06	12,474	D
Common Stock	04/24/2006	S	7,751	D	\$ 47.0769	4,723	D
Common Stock	04/24/2006	M	3,583	A	\$ 29.06	8,306	D
Common Stock	04/24/2006	S	3,583	D	\$ 47.0769	4,723 ⁽¹⁾	D

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

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(9-02)

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 Underlying Securities (Instr. 3 and 4)	8. Amount or Number of Shares
Employee Stock Option	\$ 10.2267	04/24/2006		M	1,375	⁽²⁾ 06/21/2012	Common Stock	1,375
Employee Stock Option	\$ 8.5333	04/24/2006		M	3,000	⁽²⁾ 07/23/2012	Common Stock	3,000
Employee Stock Option	\$ 17	04/24/2006		M	6,510	⁽²⁾ 07/16/2013	Common Stock	6,510

Employee Stock Option	\$ 17	04/24/2006	M	491	<u>(2)</u>	07/16/2013	Common Stock	491
Employee Stock Option	\$ 29.06	04/24/2006	M	7,751	<u>(2)</u>	10/22/2014	Common Stock	7,751
Employee Stock Option	\$ 29.06	04/24/2006	M	3,583	<u>(2)</u>	10/22/2014	Common Stock	3,583

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
FOSBURGH BRYN C/O TIMBLE NAVIGATION LTD 935 STEWART DRIVE SUNNYVALE, CA 94085			Vice President	

Signatures

Irwin Kwatek as Attorney
in Fact 04/26/2006

__Signature of Reporting Person

Date

Explanation of Responses:

* 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).

(1) Includes 275 shares acquired under the Trimble Navigation stock purchase plan of December 30, 2005.

(2) This option is exercisable 20% at the end of the first year and 1.67% a month thereafter.

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

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