

TRIMBLE NAVIGATION LTD /CA/
 Form 4
 May 20, 2005

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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

(Print or Type Responses)

1. Name and Address of Reporting Person *
 KWATEK IRWIN L

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)
 05/18/2005

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

C/O TIMBLE NAVIGATION LTD, 749 N MARY AVE
 (Street)

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 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	05/18/2005		M		2,700 A \$ 14	2,700	D
Common Stock	05/18/2005		S		2,700 D \$ 38.5072	0	D
Common Stock	05/18/2005		M		1,000 A \$ 14	1,000	D
Common Stock	05/18/2005		S		1,000 D \$ 38.5072	0	D
Common Stock	05/18/2005		M		2,800 A \$ 11.6467	2,800	D

Common Stock	05/18/2005	S	2,800	D	\$ 38.5072	0	D
Common Stock	05/18/2005	M	1,500	A	\$ 10.2267	1,500	D
Common Stock	05/18/2005	S	1,500	D	\$ 38.5072	0	D

Reminder: Report on a separate line for each class of securities beneficially 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.

SEC 1474
(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	\$ 14	05/18/2005		M	2,700	<u>(1)</u> 12/20/2010	Common Stock	2,700
Employee Stock Option	\$ 14	05/18/2005		M	1,000	<u>(1)</u> 12/20/2010	Common Stock	1,000
Common Stock	\$ 11.6467	05/18/2005		M	2,800	<u>(1)</u> 07/18/2011	Common Stock	2,800
Employee Stock Option	\$ 10.2267	05/18/2005		M	1,500	<u>(1)</u> 06/21/2012	Common Stock	1,500

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
			Vice President	

KWATEK IRWIN L
C/O TIMBLE NAVIGATION LTD
749 N MARY AVE
SUNNYVALE, CA 94085

Signatures

/s/ Irwin Kwatek 05/20/2005

__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) 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.
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.