Smith William Maxwell Form 4 September 02, 2011

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

Check this box if no longer subject to Section 16.

Form 4 or

obligations

Form 5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

may continue. See Instruction

1(b).

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 * Smith William Maxwell

2. Issuer Name and Ticker or Trading Symbol

FLUIDIGM CORP [FLDM]

(First) (Middle) (Last)

3. Date of Earliest Transaction

FLUIDIGM CORPORATION, 7000 SHORELINE COURT SUITE 100

(Street)

(State)

(Month/Day/Year) 08/31/2011

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

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

Estimated average

burden hours per

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

(Check all applicable)

Director 10% Owner X_ Officer (give title _ Other (specify below) below)

VP, Legal Affairs & GC

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

SOUTH SAN FRANCISCO, CA 94080

(City)

(City)	(State) (A	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owner							ly 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)	Transaction(A) or Disposed of Code (D)		5. Amount of Securities Beneficially Owned Following	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	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	08/31/2011		M	1,671	A	\$ 1.82	51,216	D	
Common Stock	08/31/2011		S	1,671	D	\$ 13.5	49,545	D	
Common Stock	09/01/2011		M	258	A	\$ 1.82	49,803	D	
Common Stock	09/01/2011		S	258	D	\$ 13.5	49,545	D	

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

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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. Transactio 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 o Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Employee Stock Option(Right to Buy)	\$ 1.82	08/31/2011		M	1,671	<u>(1)</u>	12/04/2011	Common Stock	1,671
Employee Stock Option(Right to Buy)	\$ 1.82	09/01/2011		M	258	<u>(1)</u>	12/04/2011	Common Stock	258

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Smith William Maxwell FLUIDIGM CORPORATION 7000 SHORELINE COURT SUITE 100 SOUTH SAN FRANCISCO, CA 94080

VP, Legal Affairs & GC

Signatures

/s/ Vikram Jog, attorney-in-fact 09/02/2011

**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) The Option fully vested on December 4, 2005.

Reporting Owners 2

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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.