

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL	
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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>SOULELES THOMAS S</u> (Last) (First) (Middle) <u>GREAT LAKES DREDGE & DOCK CORPORATION</u> <u>2122 YORK ROAD</u> (Street) <u>OAK BROOK IL 60523</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>12/26/2006</u>	3. Issuer Name and Ticker or Trading Symbol <u>Great Lakes Dredge & Dock Holdings Corp. [GLDD]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock, par value \$0.0001	26,606,526	I	See Footnote ⁽¹⁾

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

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

Explanation of Responses:

1. Madison Dearborn Capital Partners IV, L.P. ("MDCP") is the record owner of the 26,606,526 shares set forth herein. The shares held by MDCP may be deemed to be beneficially owned by Madison Dearborn Partners IV, L.P. ("MDP"), the sole general partner of MDCP. The reporting person is a managing director of the general partner of MDP. The reporting person expressly disclaims beneficial ownership of the shares owned by MDCP, except to the extent of his pecuniary interest therein.

/s/ Thomas S. Souleles 12/26/2006

** 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 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).

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.