

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

☐ Check this box to indicate that a transaction was made pursuant to a contract, instruction or written plan that is intended to satisfy the affirmative defense conditions of Rule 10b5-1(c). See Instruction 10. OMB APPROVAL OMB Number: 3235-0287 Estimated average burden hours per response... 0.5

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

# STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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 <sup>*</sup> -	2. Issuer Name <b>and</b> Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)
DeBergalis Michelle M	LAKE SHORE BANCORP, INC. [ LSBK ]	<b>X</b> _Director10% Owner
(Last) (First) (Middle)	3. Date of Earliest Transaction (MM/DD/YYYY)	Officer (give title below) Other (specify below)
31 EAST FOURTH STREET	4/23/2024	
(Street)	4. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line)
DUNKIRK, NY 14048 (City) (State) (Zip)		X _Form filed by One Reporting Person Form filed by More than One Reporting Person
	•	•

Table	I - Non-Der	ivative Secu	irities Acq	luire	ed, Disp	osed of,	or Be	eneficially Owned		
1. Title of Security (Instr. 3)	2. Trans. Date		3. Trans. Co (Instr. 8)		4. Securit or Dispos (Instr. 3, 4	sed of (D)		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	Direct (D)	Beneficial Ownership
			Code	v	Amount	(A) or (D)	Price		or Indirect (I) (Instr. 4)	(Instr. 4)
Common Stock	4/23/2024		Α		578 <u>(1)</u>	Α	\$0	1,376	D	
Common Stock								116	Ι	By IRA

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

2.	3. Trans.	3A. Deemed	4. Trans. C	ode	5. Number	of	6. Date Exer	rcisable	7. Tit	le and Amount of	8. Price of	9. Number of	10.	11. Nature
Conversion	Date	Execution	(Instr. 8)		Derivative	Securities	and Expirati	on Date	Secur	rities Underlying	Derivative	derivative	Ownership	of Indirect
or Exercise		Date, if any			Acquired (A	A) or			Deriv	ative Security	Security	Securities	Form of	Beneficial
Price of		-			Disposed o	f (D)			(Instr	. 3 and 4)	(Instr. 5)	Beneficially	Derivative	Ownership
Derivative					(Instr. 3, 4 a	and 5)						Owned	Security:	(Instr. 4)
Security					-							Following	Direct (D)	
							_					Reported	or Indirect	
							Date	Expiration	Title	Amount or Number of		Transaction(s)	(I) (Instr.	
			Code	V	(A)	(D)	Exercisable	Date		Shares		(Instr. 4)	4)	
	or Exercise Price of Derivative	Conversion Date or Exercise Price of Derivative	Conversion Date Execution or Exercise Date, if any Price of Derivative	Conversion or Exercise Price of Derivative Security (Instr. 8)	Conversion or Exercise Price of Derivative Security	Conversion or Exercise Price of Derivative Security	Conversion or Exercise Price of Derivative Security Date, if any (Instr. 8) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	Conversion or Exercise Price of Derivative Security Date, if any Date, if any Date, if any Date, if any Derivative Deriva	Conversion or Exercise Price of Derivative Security Date, if any Price of Derivative Security Date, if any Date, if any Date, if any Date, if any Date, if any Derivative Derivative Securities Derivative Derivative Securities Derivative Derive D	Conversion or Exercise Price of Derivative Security Date, if any Conversion Date, if any Conversion Date, if any Conversion Date, if any Conversion Date, if any Conversion Date, if any Conversion C	Conversion or Exercise Price of Derivative Security   Date   Execution Date, if any   (Instr. 8)   Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)   and Expiration Date   Securities Underlying Derivative Security (Instr. 3 and 4)     Derivative Security   Date   Date   Date   Date   Title   Amount or Number of	Conversion or Exercise Price of Derivative Security   Date   Execution Date, if any   (Instr. 8)   Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)   and Expiration Date   Securities Underlying Derivative Security (Instr. 3) and 4)   Derivative Security     Derivative Security   Derivative (Instr. 3, 4 and 5)   Date   Date   Date   Title   Amount or Number of   Amount or Number of	Conversion or Exercise Price of Derivative Security   Date   Execution Date, if any   (Instr. 8)   Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)   and Expiration Date   Securities Underlying Derivative Security (Instr. 3 and 4)   Derivative Security   Derivative Security     Derivative Security   Derivative (Instr. 3, 4 and 5)   Derivative Date   Securities Underlying Derivative Security (Instr. 3 and 4)   Derivative Security   Derivative Security (Instr. 5)   Derivative Security Following Reported Transaction(s)	Conversion or Exercise Price of Derivative Security Date (Instr. 8) Execution Derivative (Instr. 3, 4 and 5) Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) and Expiration Date (Instr. 3 and 4) Security Derivative (Instr. 3 and 4) Derivative Security (Instr. 5) Derivative Beneficially Owned Security: Following Disposed of (D) (Instr. 5) Ownership Security (Instr. 5)   Date Date Expiration Derivative Title Amount or Number of Ct Manount or Number of Transaction(s) Ownership Form of Derivative

#### **Explanation of Responses:**

(1) Shares of restricted stock vest on April 23, 2025

## **Reporting Owners**

Penarting Owner Name / Address	Relationships						
Reporting Owner Name / Address	Director	10% Owner	Officer	Other			
DeBergalis Michelle M 31 EAST FOURTH STREET DUNKIRK, NY 14048	X						

### Signatures

## /s/ Taylor M. Gilden, Pursuant to Power of Attorney

\*\*Signature of Reporting Person

4/25/2024 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 control number.