

## Lake-Effect Snow Observation Network (LESON) Report for the 1991–1992 Snow Season

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### ABSTRACT

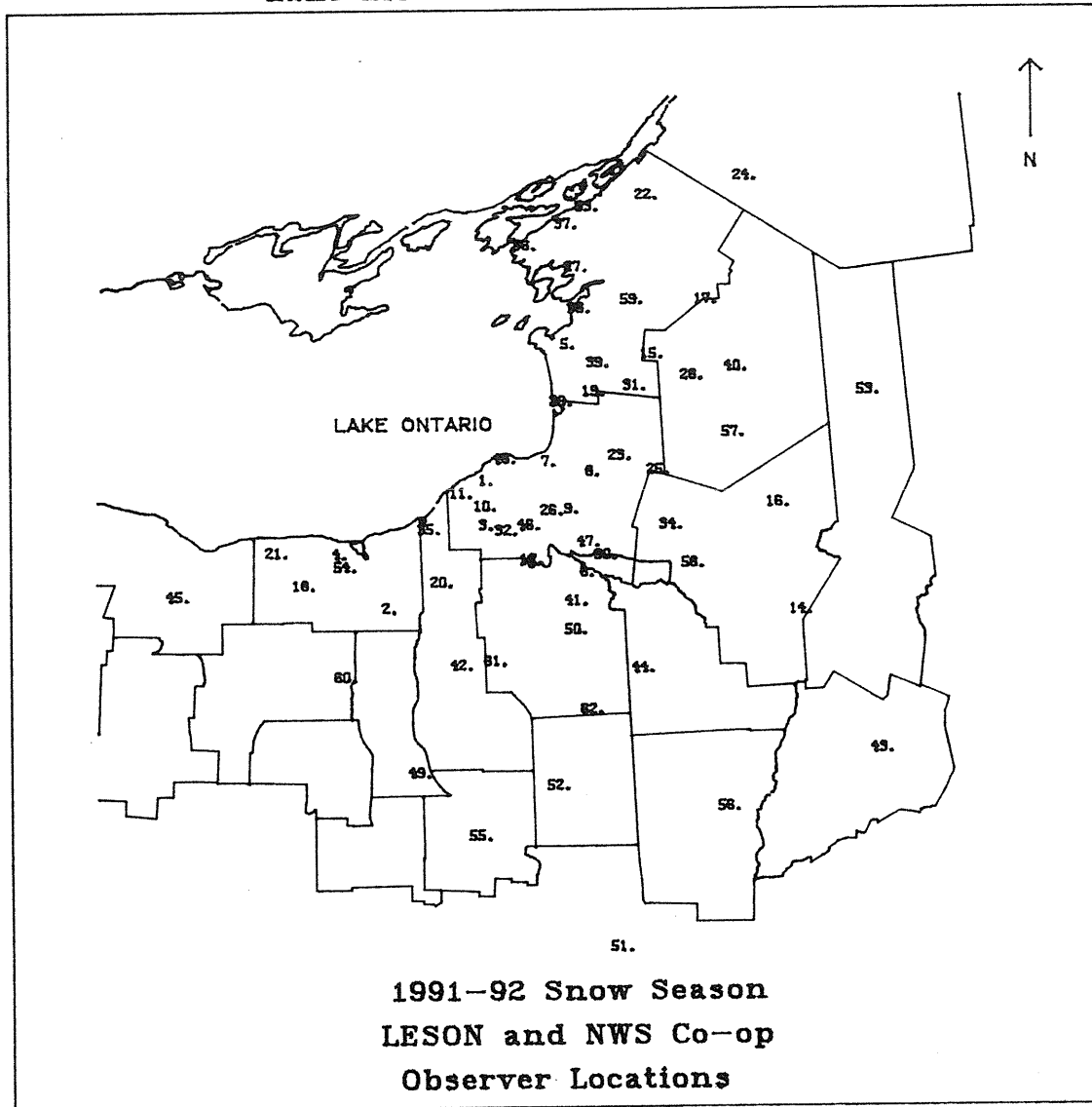
The 1991-92 snow season, especially dealing with lake effect snow was the subject of the Central New York American Meteorological Societies Lake Effect Snow Observers Network (LESON) for the snow spotters fourth snow season.

The LESON observer network expanded to include several members of the Syracuse National Weather Services snow spotters network and the New York State climatological observers. Snow spotters measured and

recorded snowfall daily, at the end of the month the members mailed the completed snowfall measurement form to Galson Corporation for compiling. Snowfall for each location was entered into a computer on a daily, monthly, seasonal, or special storm event totals.

Included in this paper are a LESON observer location base map, snowfall amounts, snowfall contours for December 1991, January, February, and March 1992, and the 1991-92 snow season.

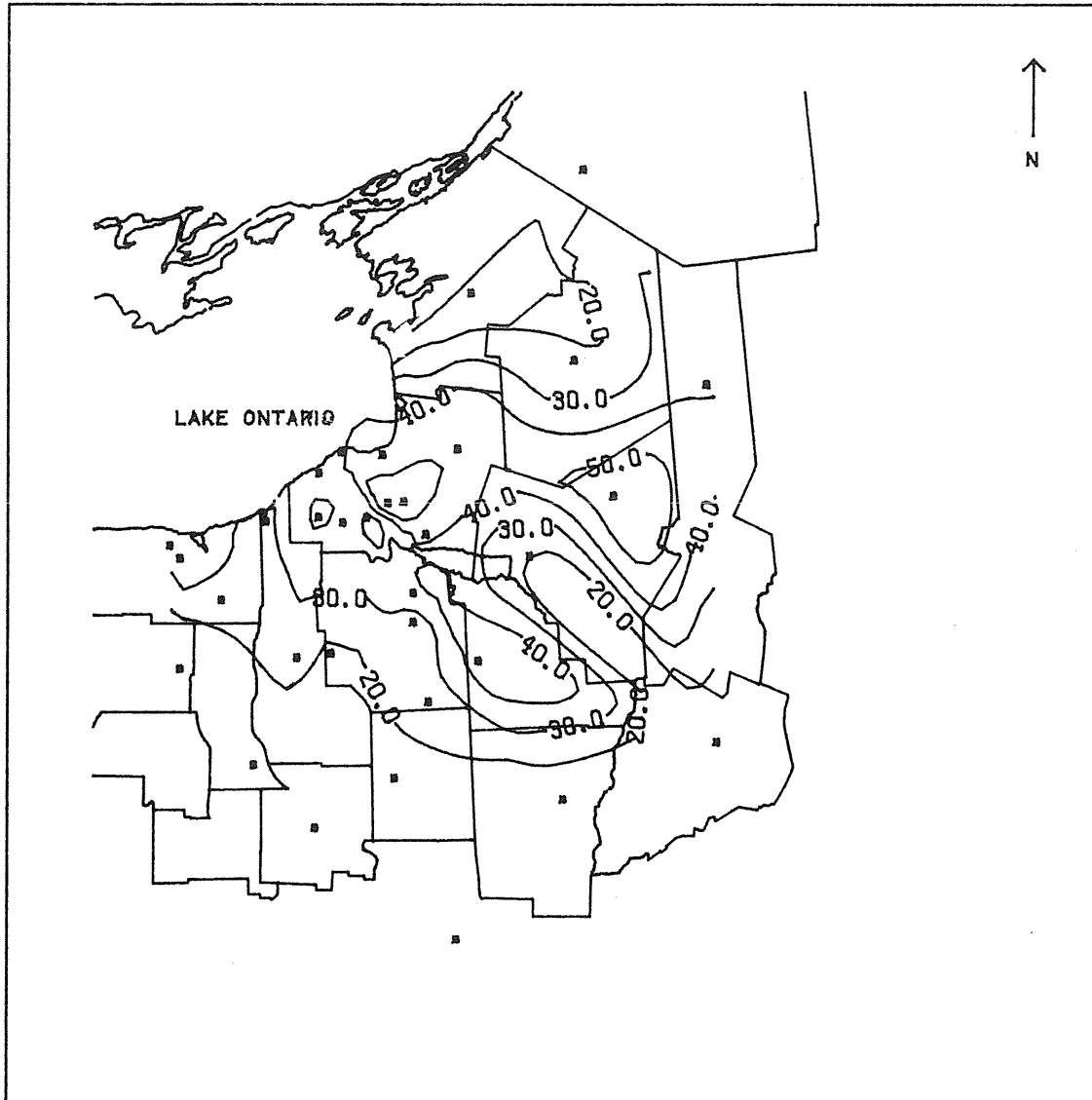
## Lake Effect Snow Observers Network



#	name:	location		
1	John Ferlito	Oswego East	42	Robert J. Blanchard Sr.
2	Gilbert Kinnetz	Clyde	43	Harold Hollis
3	V. Brien Mathews	Dexterville	44	Bill Schmidt
4	Jack Matthys	Sodus	45	NWS Rochester
7	Alex Voninski	Arthur	46	Bill Johnson
9	Jim Jones	Hastings	47	Gary Spangler
10	Al Stamm	Minetto	48	Richard Wooley
11	Robert Sykes	SW Oswego	49	Russell Coe
14	Anthony Macera	Utica	50	Sarah Osborne
15	Matt Macierowski	Barnes Corners	51	NWS Binghamton
16	Harry Capron	Booneville	52	NWS Co-op
23	Al Oliver	Bennett Bridge	53	NWS Co-op
24	Ray French	Gouverneur	54	NWS Co-op
26	George Kirk	Palermo	55	NWS Co-op
28	Wayne Clift	Rectors Corners	56	NWS Co-op
32	Paul Cardinali	Fulton	57	NWS Co-op
34	Martin Duda	Camden	58	NWS Co-op
35	Edgar Denton	Fair Haven	59	NWS Co-op
40	Dr. Harry O'Conner	Lowville	60	NWS Co-op
41	NWS Syracuse	Syracuse	61	NWS Co-op
			62	NWS Co-op
				Auburn
				Cooperstown
				Cazenovia
				Rochester
				Volney
				West Monroe
				Nine Mile Pt.
				Interlaken
				Syracuse (SU)
				Binghamton
				Cortland
				Old Forge
				Sodus Center
				Ithaca Cornell
				Norwich
				Highmarket
				Rome (Griffiss AFB)
				Watertown
				Geneva (Research)
				Skaneateles
				Tully (AGWAY)

Figure 1. Lake Effect Snow Observer Network (LESON) observer number, name, and location.

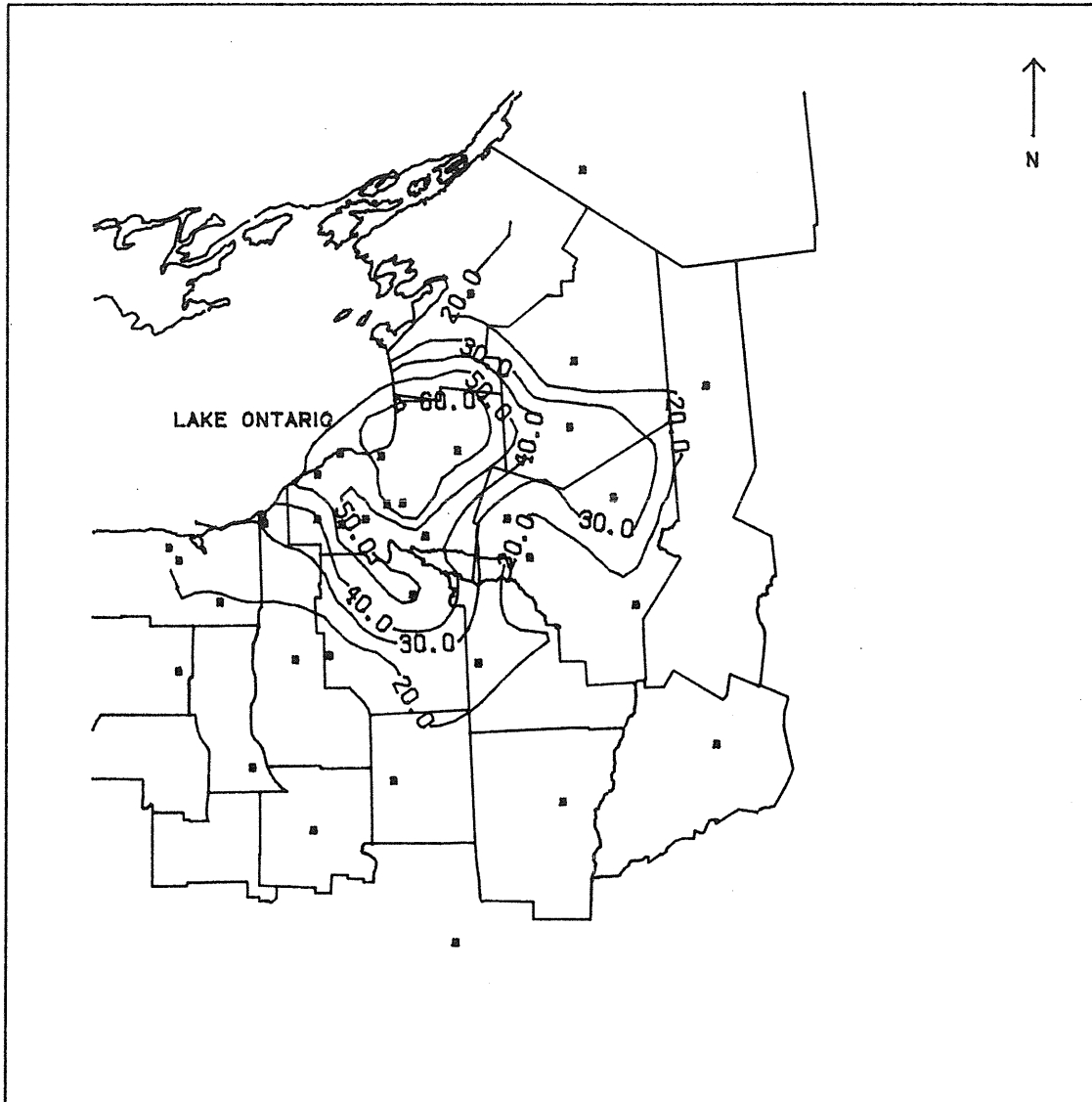
**Lake Effect Snow Observers Network**



**1991-92 Snow Season  
December Snowfall  
LESON and NWS Co-op Observers**

*Figure 2. December 1991 snowfall by five contour intervals; 25.4 cm (10.0 in.), 50.8 cm (20.0 in.), 76.2 cm (30.0 in.), 101.6 cm (40.0 in.) and 127.0 cm (50.0 in.).*

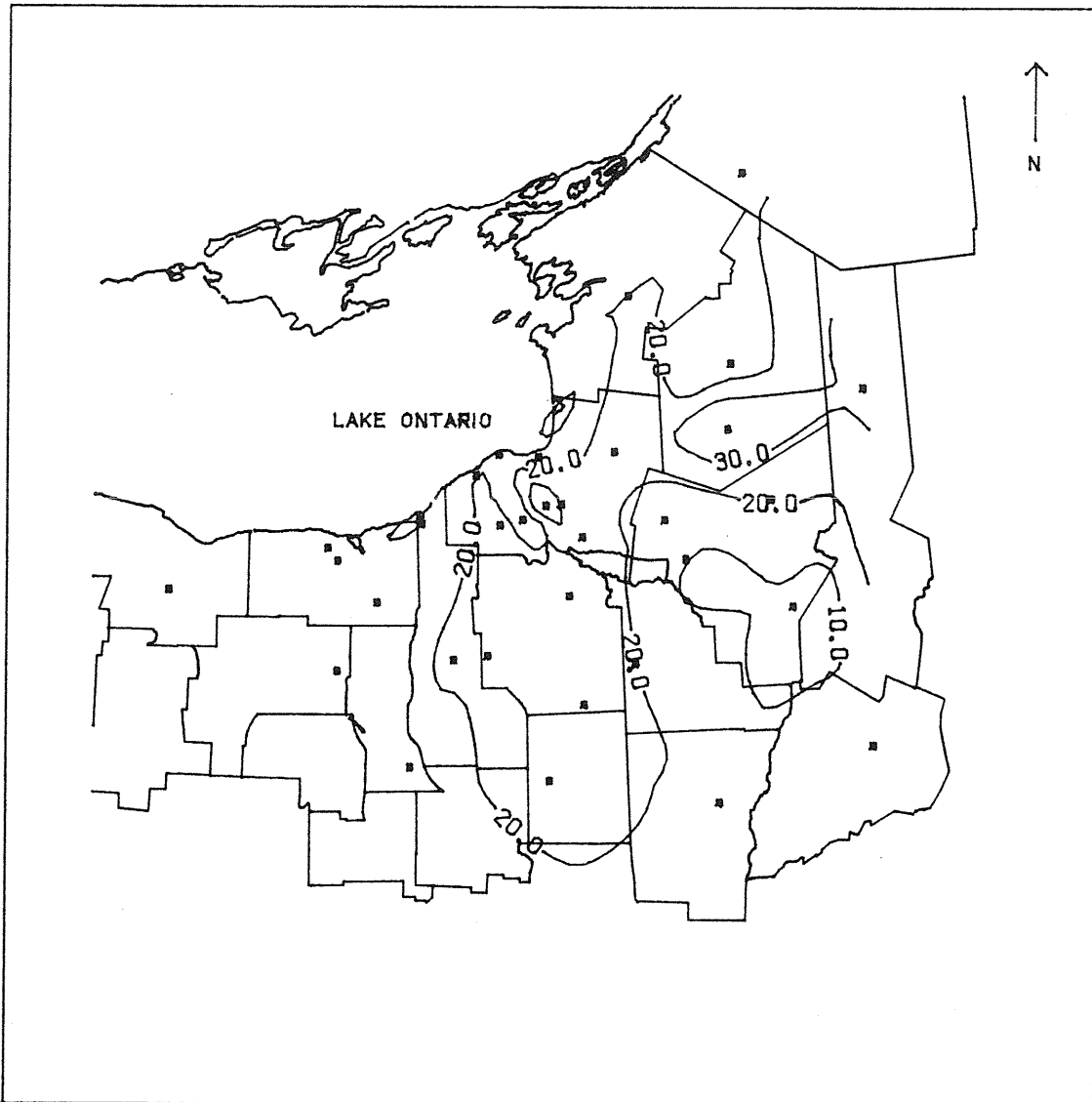
**Lake Effect Snow Observers Network**



**1991-92 Snow Season  
January Snowfall  
LESON and NWS Co-op Observers**

*Figure 3. January 1992 snowfall by five contour intervals; 50.8 cm (20.0 in.), 76.2 cm (30.0 in.), 101.6 cm (40.0 in.), 127.0 cm (50.0 in.), and 152.4 cm (60.0 in.)*

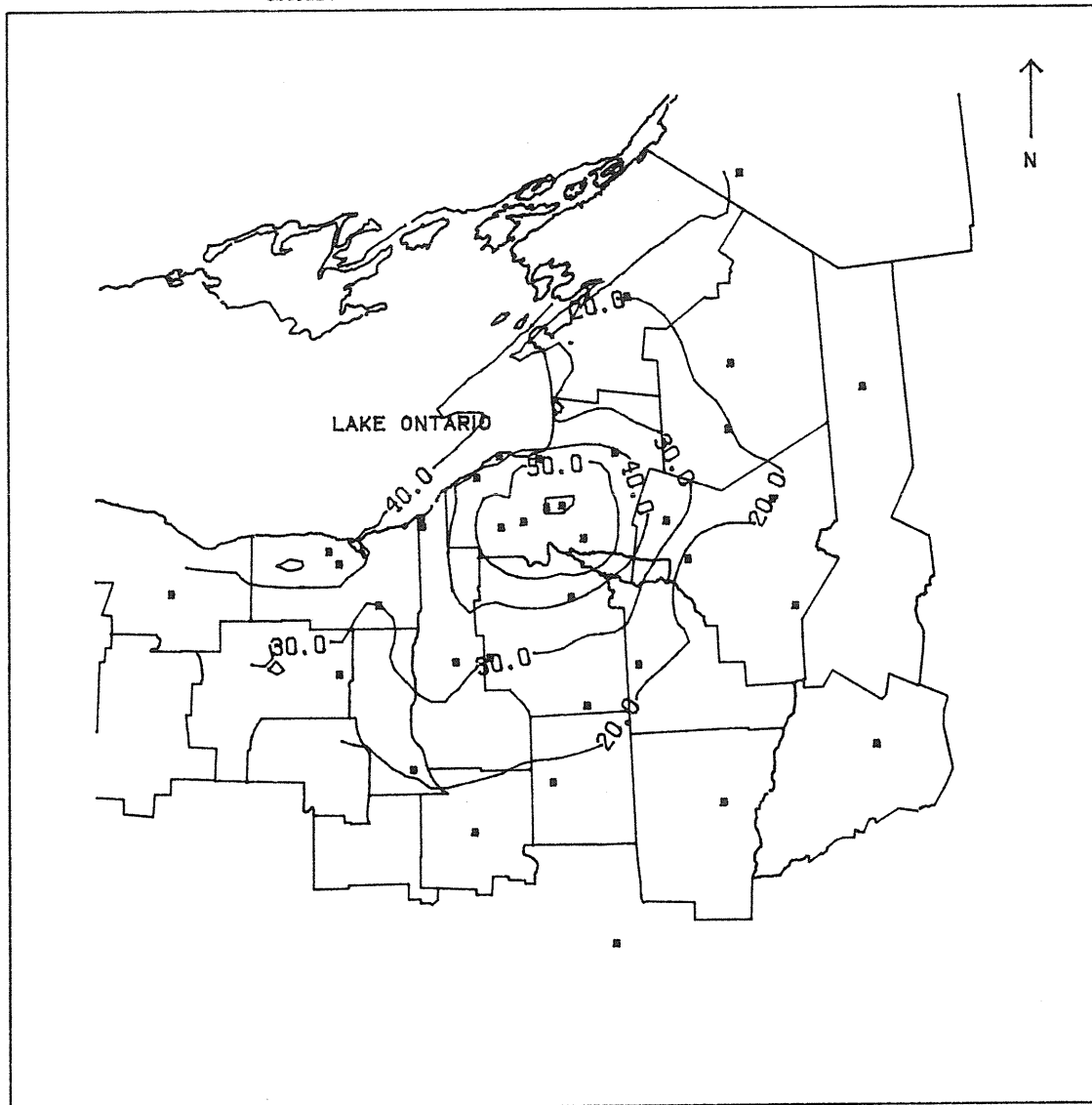
# Lake Effect Snow Observers Network



**1991-92 Snow Season  
February Snowfall  
LESON and NWS Co-op Observers**

*Figure 4. February 1992 snowfall by three contour intervals; 25.4 cm (10.0 in), 50.8 cm (20.0 in), and 76.2 cm (30.0 in).*

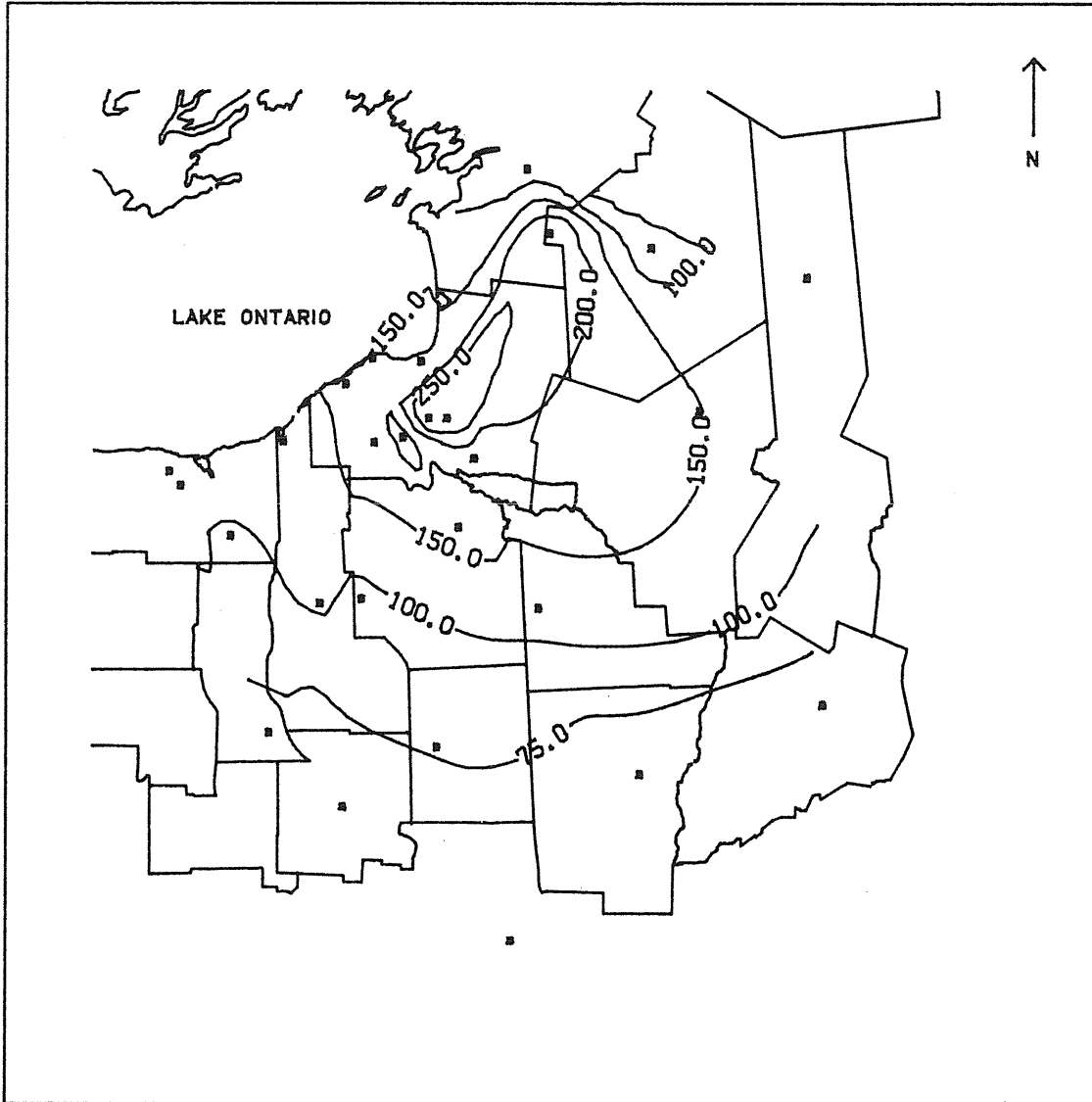
# Lake Effect Snow Observers Network



**1991-92 Snow Season  
March Snowfall  
LESON and NWS Co-op Observers**

*Figure 5. March 1992 snowfall by five contour intervals; 50.8 cm (20.0 in.), 76.2 cm (30.0 in.), 101.6 cm (40.0 in.), 127.0 cm (50.0 in.), and 228.6 cm (90.0 in.).*

### Lake Effect Snow Observers Network



**1991-92 Snow Season  
Total Snowfall  
LESON and NWS Co-op Observers**

*Figure 6. The 1991-1992 snowfall season by five contour intervals; 190.5 cm (75.0 in.), 254.0 cm (100.0 in.), 381.0 cm (150.0 in.), 508.0 cm (200.0 in.), and 635.0 cm (250.0 in.).*

LOCATION	OBSERVER	LESON									
		Oct-91	Nov-91	Dec-91	Jan-92	Feb-92	Mar-92	Apr-92	May-92	91-92 TOTAL	
1. OSWEGO	J. FERLITO	0.0	6.8	38.8	56.4	20.2	45.1	1.8			169.1
2. CLYDE	G. KINNETZ	0.0	5.8	25.5	18.5	15.0	30.0	1.0			95.8
3. DEXTERVILLE	B. MATHEWS			41.4	39.4						
4. SODUS	J. MATHYS	0.0	11.0	34.3	23.6	18.3	40.5	1.0			128.5
7. ARTHUR	A. VONINSKI	0.0	4.5	42.3	61.7	13.1	43.4	0.6			165.5
9. HASTINGS	J. JONES	0.0	9.0	58.0	75.0	29.0	103.0	2.0			276.0
10. MINETTO	A. STAMM	0.0	3.7	21.6	P39.3	P5.3	50.0	0.5			
14. UTICA	NWS A. MACERA	0.0			16.4	7.9	9.1				
15. BARNES CORNERS	M. MACIEROWSKI										216.0
16. BOONEVILLE	H. CAPRON	0.0	15.0	53.3	36.8	20.8	21.0	4.0			150.8
23. BENNETT BRIDGE	NIMO	0.0	9.3	48.5	65.0	23.3	40.6	2.5			
24. GOUVERNEUR	R. FRENCH		12.5	25.5	10.0	18.5	18.5	5.5			
26. PALERMO	G. KIRK	0.0	14.0	60.0	60.0	39.0	103.5	2.5			279.0
28. RECTORS CORNERS	NWS W. CLIFT										
32. FULTON	P. CARDINALI	TR	5.0	38.1	52.5	23.3	58.7	2.0			179.6
34. CAMDEN	NWS CO-OP				22.1	13.6	34.6	0.7			
35. FAIR HAVEN	E. DENTON	0.0	3.8	29.0	11.0	10.0	32.3	1.0			107.0
40. LOWVILLE	NWS H. O'CONNOR	0.0	21.4	21.7	7.4	17.0	13.6	4.0			85.1
41. SYRACUSE	NWS	0.0	5.5	37.9	50.5	27.6	41.3	4.1			166.9
42. AUBURN	R. BLANCHARD	0.0	7.1	24.0	11.0	21.5	34.4	5.4			103.3
43. COOPERSTOWN	H. HOLLIS	0.0	4.7	13.5	11.5	15.4	10.9	2.4			58.4
44. CAZENOVIA	B. SCHMIDT	0.0	5.2	42.9	23.7	20.0	23.9	2.6			118.3
45. ROCHESTER	NWS	0.0	13.7			12.8	38.1	3.8			
46. VOLNEY	B. JOHNSON	0.0	3.5	28.8	42.5	14.5	54.5	0.5			144.3
47. WEST MONROE	G. SPANGLER	0.0	6.9	41.1	44.8	25.4	61.2	3.7			183.1
48. NINE MILE PT.	R. WOOLEY	0.0	2.0	39.6	55.5	14.5	37.3	2.1			150.9
49. INTERLAKEN	R. COE	0.0	7.5	7.8	14.2	11.7	24.0	0.3			65.5
50. SYRACUSE (SU)	S. OSBORNE	0.0	3.0	26.0	P10.5	P12.25					
51. NWS BINGHAMTON	D. MARTIN	TR	3.9	12.2	12.6	12.8	14.1	0.4			56.0
52. CORTLAND	NWS CO-OP	0.0	3.0	14.0	15.0	27.0	18.0	1.0			78.0
53. OLD FORGE	NWS CO-OP	TR	14.5	39.0	17.5	31.5	14.0	5.0			121.5
54. SODUS CENTER	NWS CO-OP	0.0	12.0	37.0	27.0	6.8	43.0	0.5			126.3
55. ITHACA	NWS CORNELL	0.0	5.2	11.3	13.5	11.0	11.4	1.4			53.8
56. NORWICH	NWS CO-OP	0.0	3.1	15.8	11.5	14.6	13.3	0.0			58.3
57. HIGHMARKET	NWS CO-OP	0.2			37.3	37.0	20.5	5.8			
58. ROME	NWS GRIFFIS	0.0		20.6	14.6	10.4	18.1	1.0			
59. WATERTOWN	NWS CO-OP	0.0	20.0	10.7	14.3	20.0	20.1	1.0			86.1
60. GENEVA	NWS CO-OP	0.0	12.0	7.0	9.4	12.5	26.0				
61. SKANEATELES	NWS CO-OP	0.0	5.5	18.7	13.7	21.8	29.3	3.0			92.0
62. TULLY	NWS AGWAY	0.0	4.0	25.0		28.0	24.5	2.5			

Figure 7. The 1991-1992 snowfall amounts for each LESON observer location, month and seasonal totals.

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