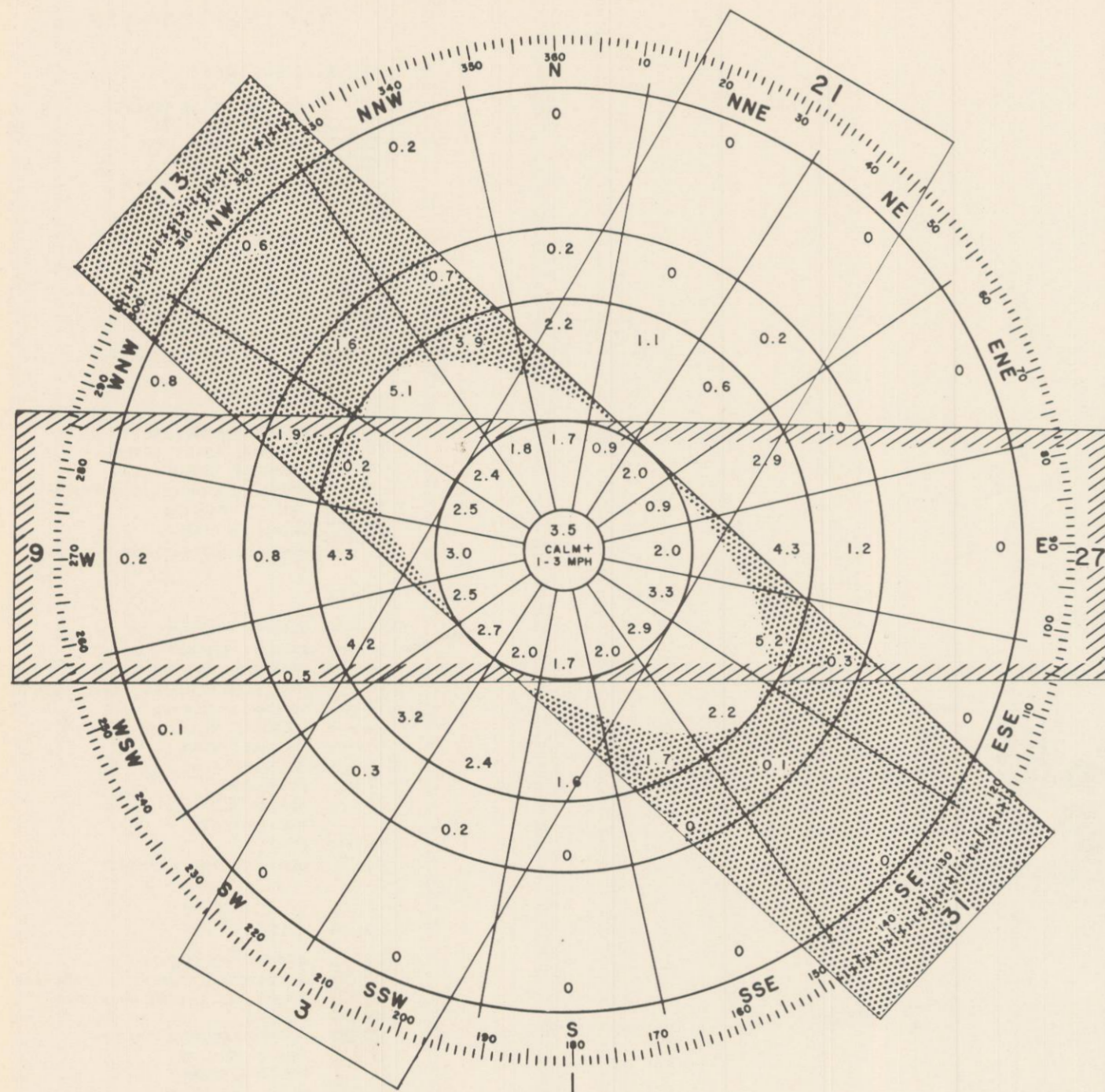


WIND DATA PERIOD JULY 1948 TO JUNE 1950



USAF RUNWAY WIND COMPUTER

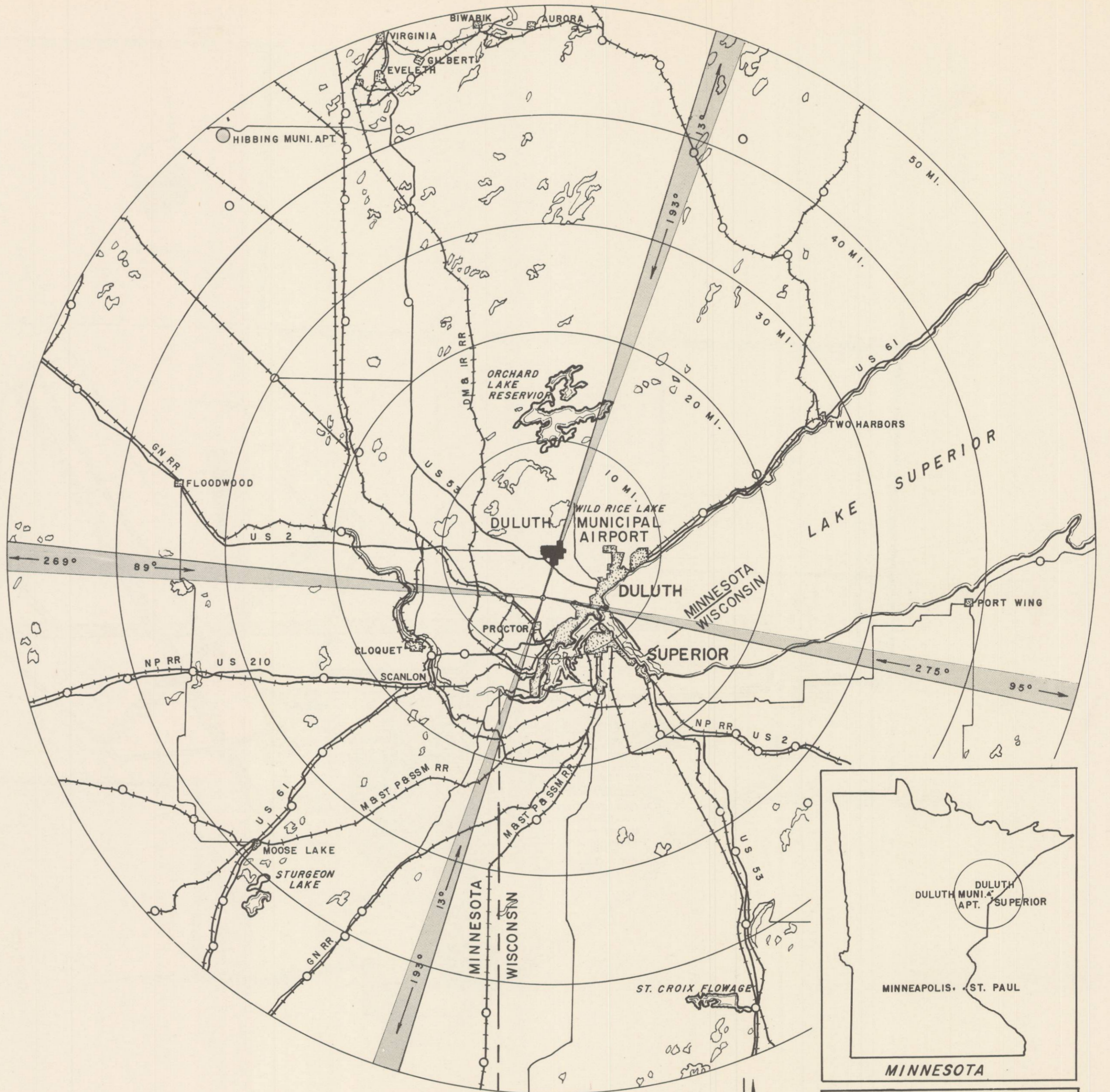
SCALE IN MILES PER HOUR  
0 EQUALS LESS THAN .05 PERCENT

WIND COVERAGE TABULATIONS

% OF TRAFFIC	EXISTING RUNWAY DIRECTIONS AND COMBINATIONS						PLANNED RUNWAY DIRECTIONS AND COMBINATIONS					
	RUNWAY OR COMBINATION	LOAD BEAR. CAPACITY	LENGTH & WIDTH	% COVERED	% NOT COVERED	ULTIMATE EXTENSION	RUNWAY OR COMBINATION	LOAD BEAR. CAPACITY	LENGTH & WIDTH	% COVERED	% NOT COVERED	ULTIMATE EXTENSION
0	9-27	18,750 SINGLE	9,000' X 150'	74.1	25.9		9-27	25,000	9,000' X 150'	74.1	25.9	
0	13-31	18,750 SINGLE	4,000' X 150'	70.7	29.3		13-31	25,000	4,000' X 150'	70.7	29.3	
0	3-21	18,750 SINGLE	5,700' X 150'	56.3	43.7		3-21	25,000	5,700' X 150'	56.3	43.7	
	9-27 / 13-31			89.0	11.0		9-27 / 13-31			89.0	11.0	
	9-27 / 3-21			85.2	14.8		9-27 / 3-21			85.2	14.8	
	13-31 / 3-21			85.2	14.8		13-31 / 3-21			85.2	14.8	
	9-27 / 13-31 / 3-21			97.6	2.4		9-27 / 13-31 / 3-21			97.6	2.4	

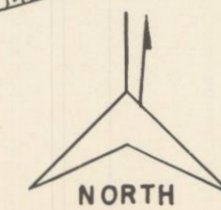
DATA FROM U.S. WEATHER BUREAU.  
\* INDICATES INSTRUMENT RUNWAY.  
0 NO TRAFFIC SURVEY AVAILABLE.

NOTE EXISTING LOAD BEARING CAPACITIES ARE SHOWN BY SINGLE OR DUAL WHEEL LOAD AS NOTED.  
PLANNED LOAD BEARING CAPACITIES ARE SHOWN AS 25,000 LBS. SINGLE OR 100,000 LBS. DUAL WHEEL LOADS.

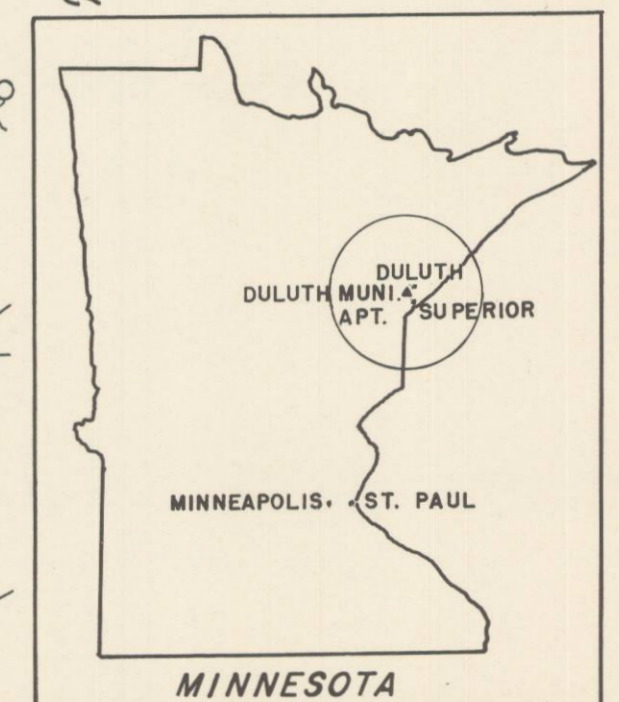


VICINITY MAP

SCALE IN MILES



4°52'E  
MAG. DEC.



DULUTH  
MUNICIPAL AIRPORT  
DULUTH MINNESOTA  
VICINITY MAP  
WIND ANALYSIS  
AIRFIELD PAVEMENT