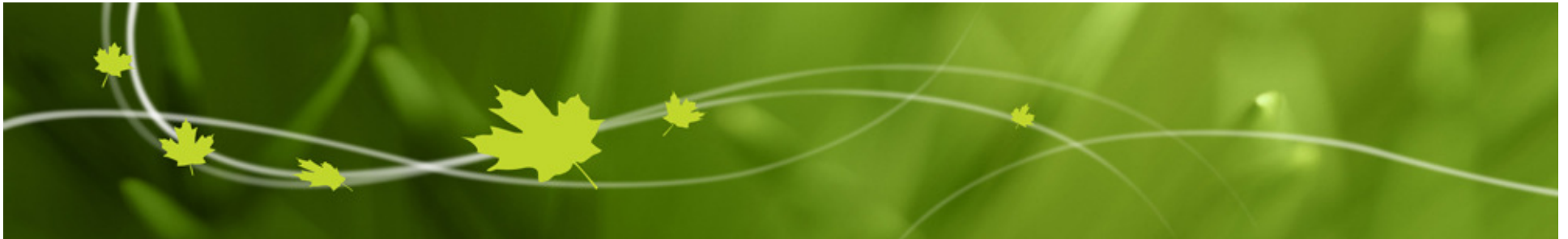




Environment  
Canada

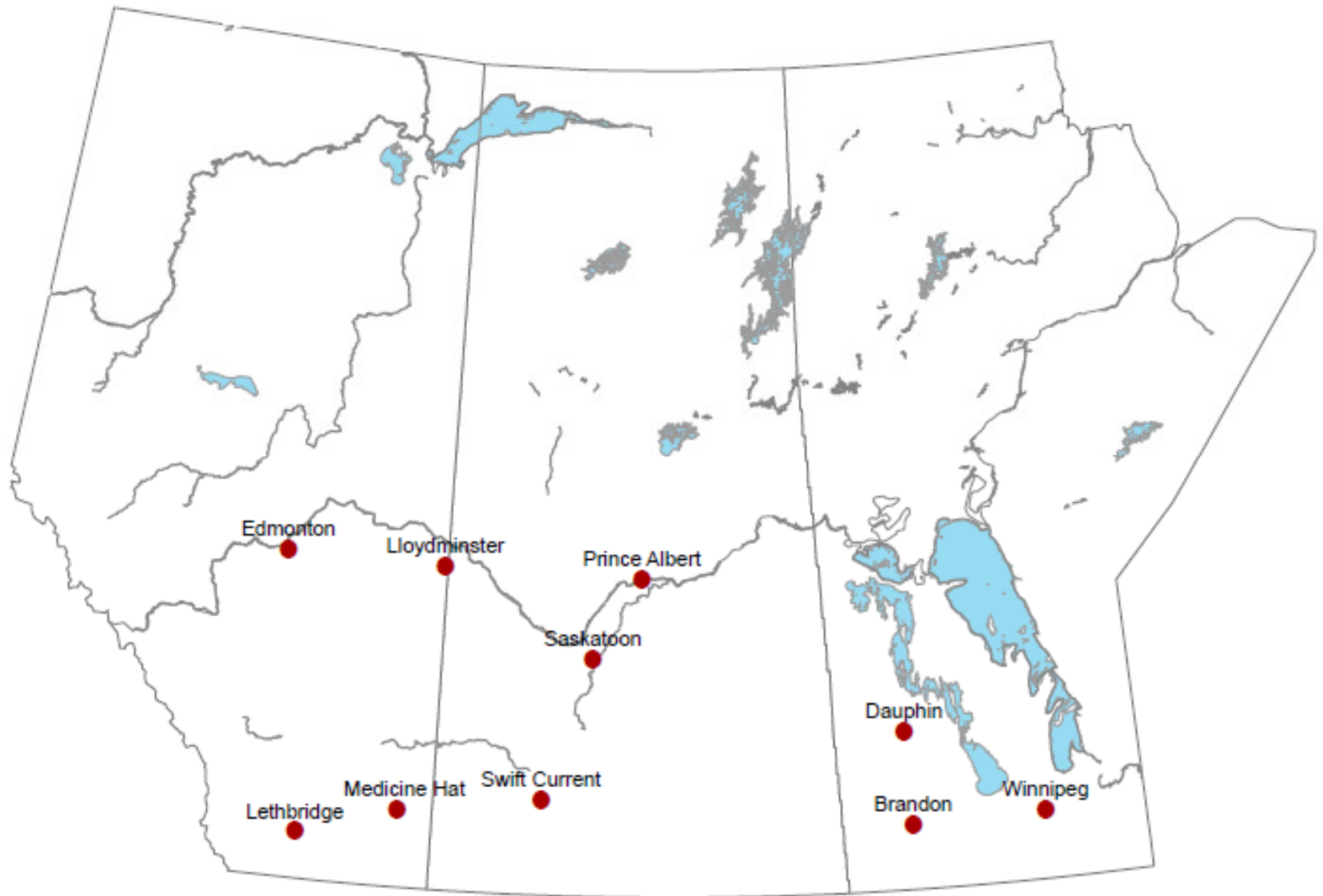
Environnement  
Canada

Canada



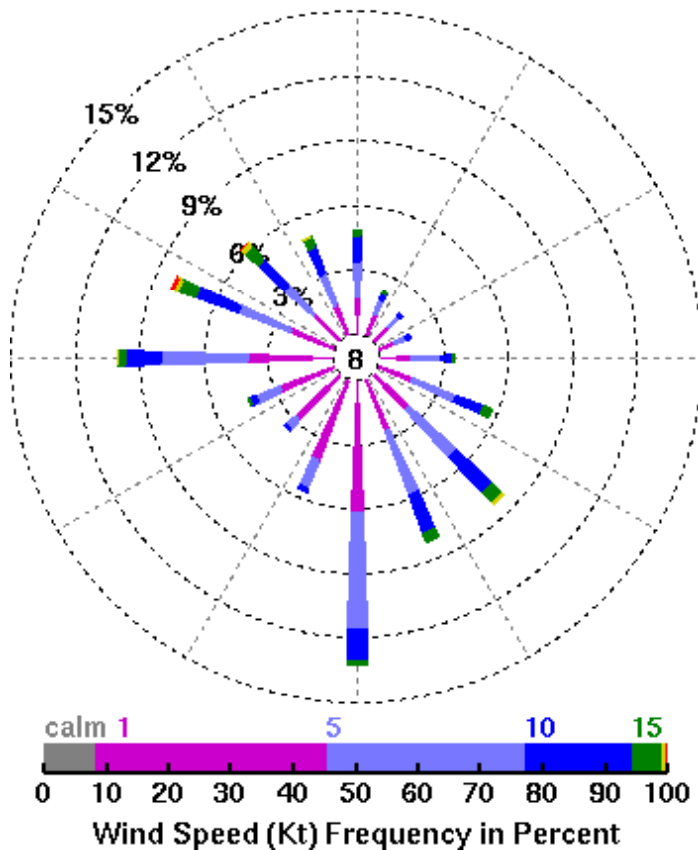
# **Preliminary analysis of surface winds during the 1999-2005 Prairie Drought**

DRI Synthesis and Past/Future Workshop  
U Manitoba, Winnipeg  
Bob Kochtubajda  
MSC – Science – HAL  
Feb 10-11, 2010

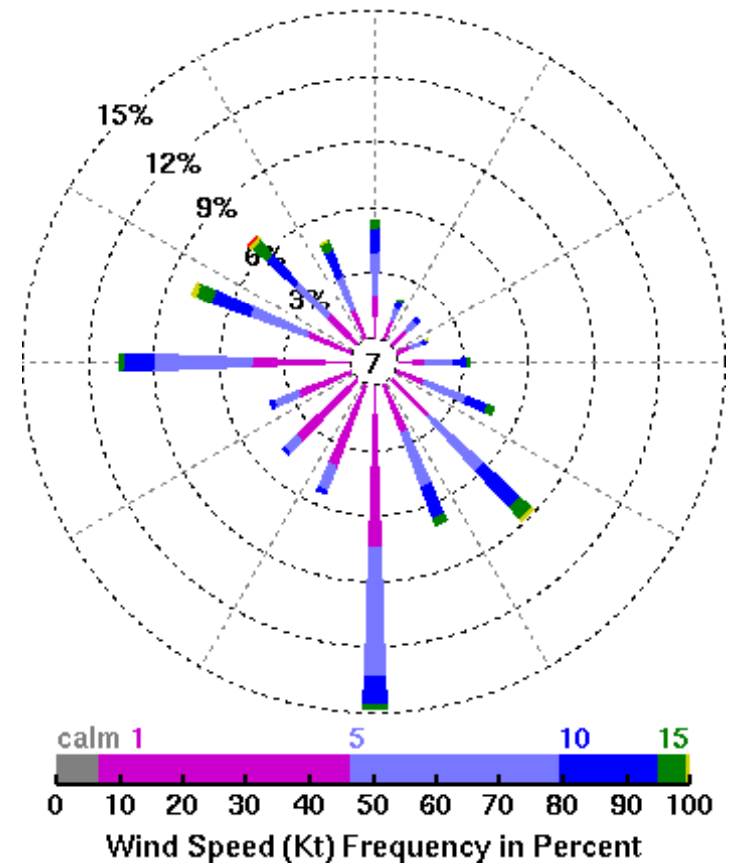


# Climatology / drought period comparison

**EDMONTON INT'L Airport  
January-December (1971-2000)  
Wind Speed Frequency by Direction**

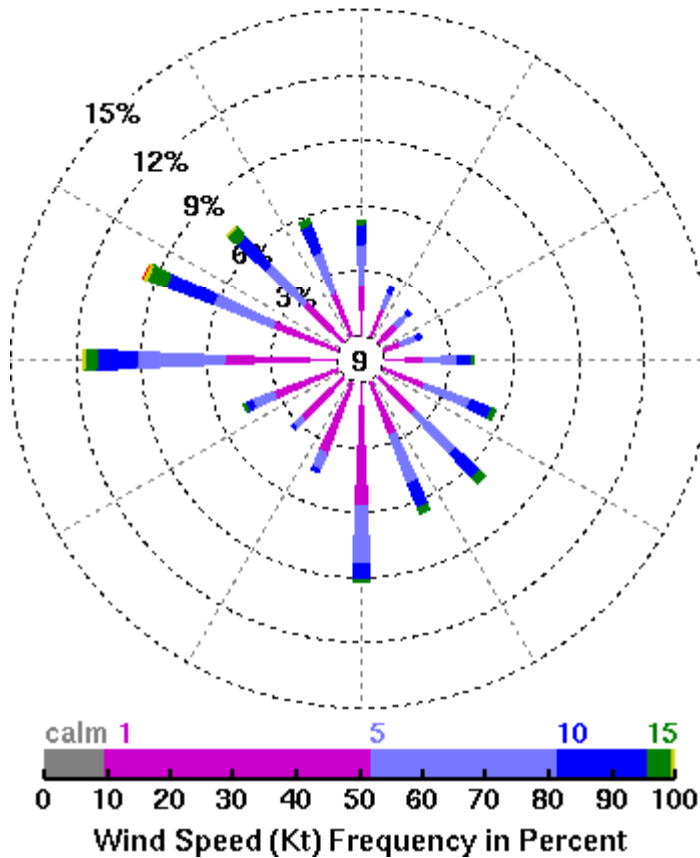


**EDMONTON INT'L Airport  
January-December (1999-2005)  
Wind Speed Frequency by Direction**

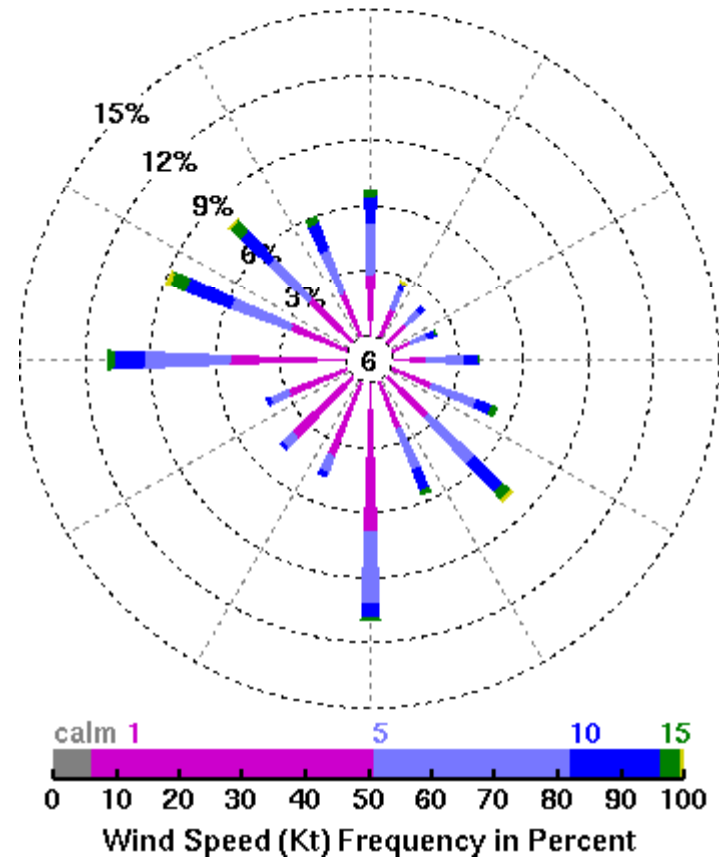


# Summer Climatology / drought period comparison

**EDMONTON INT'L Airport  
June-August (1971-2000)  
Wind Speed Frequency by Direction**



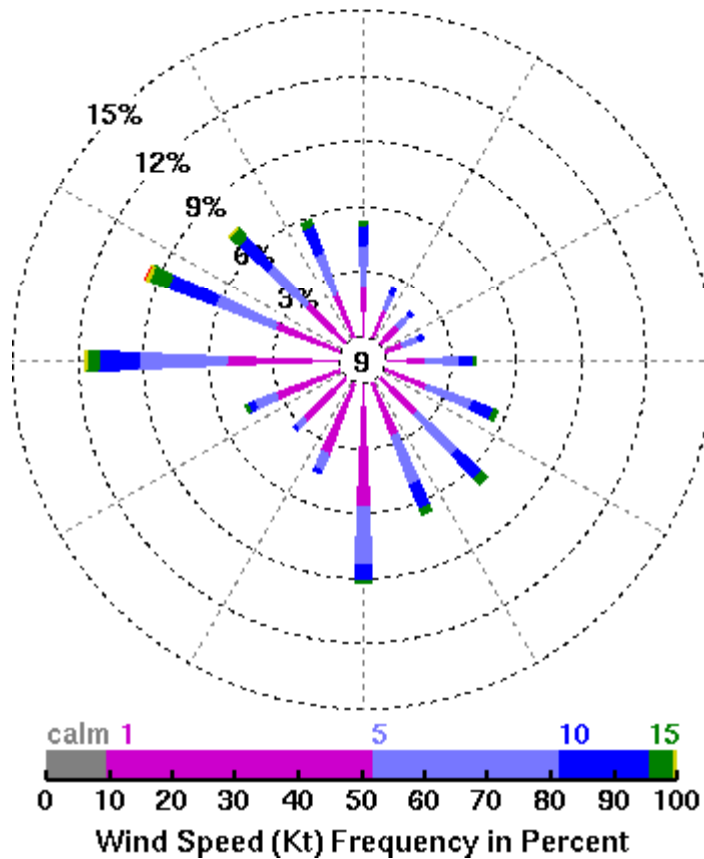
**EDMONTON INT'L Airport  
June-August (1999-2005)  
Wind Speed Frequency by Direction**



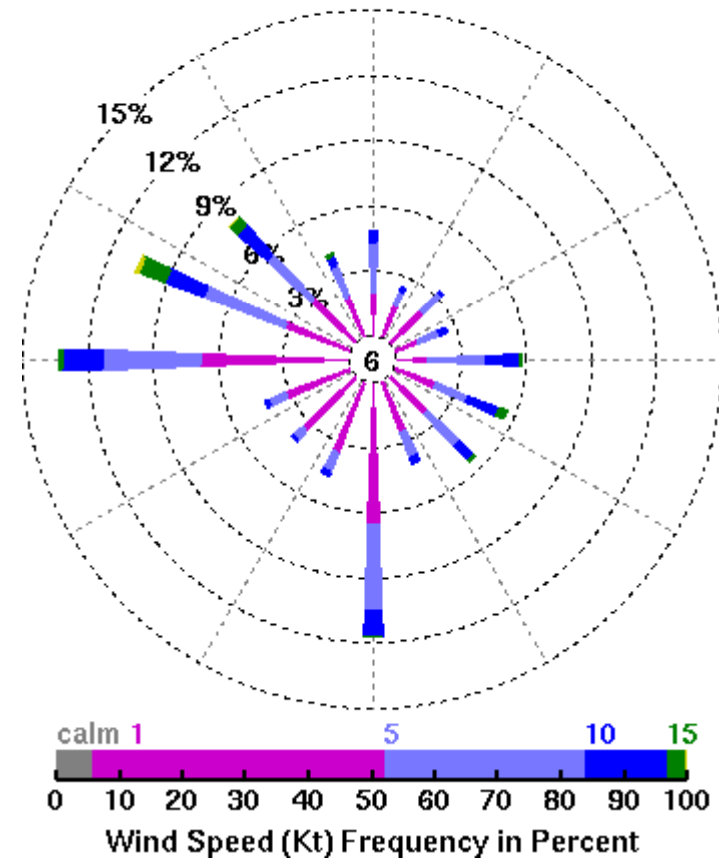
# Summer

## Annual variations during drought period

EDMONTON INT'L Airport  
June-August (1971-2000)  
Wind Speed Frequency by Direction



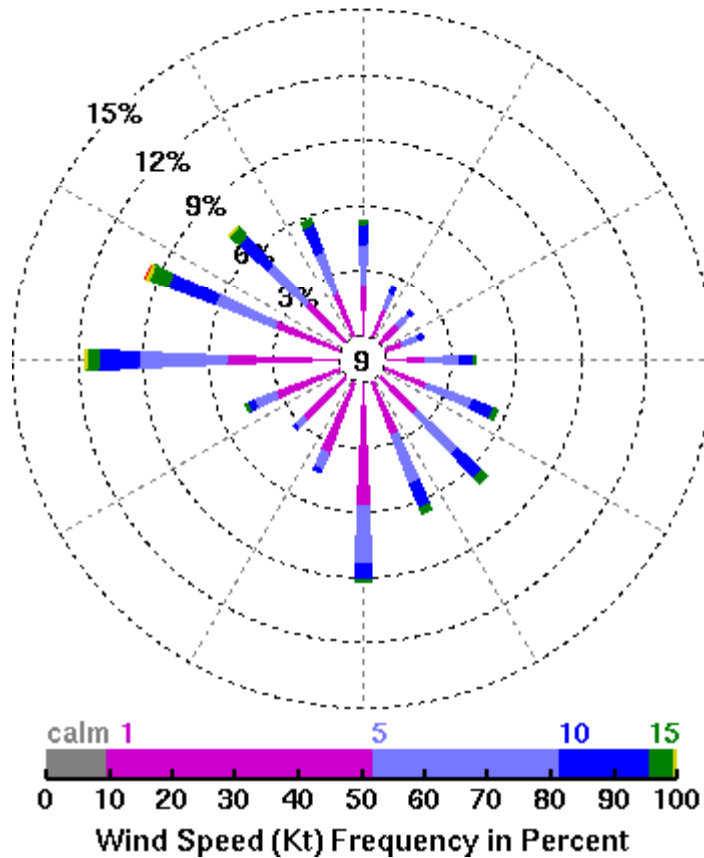
EDMONTON INT'L Airport  
June-August (2000-2000)  
Wind Speed Frequency by Direction



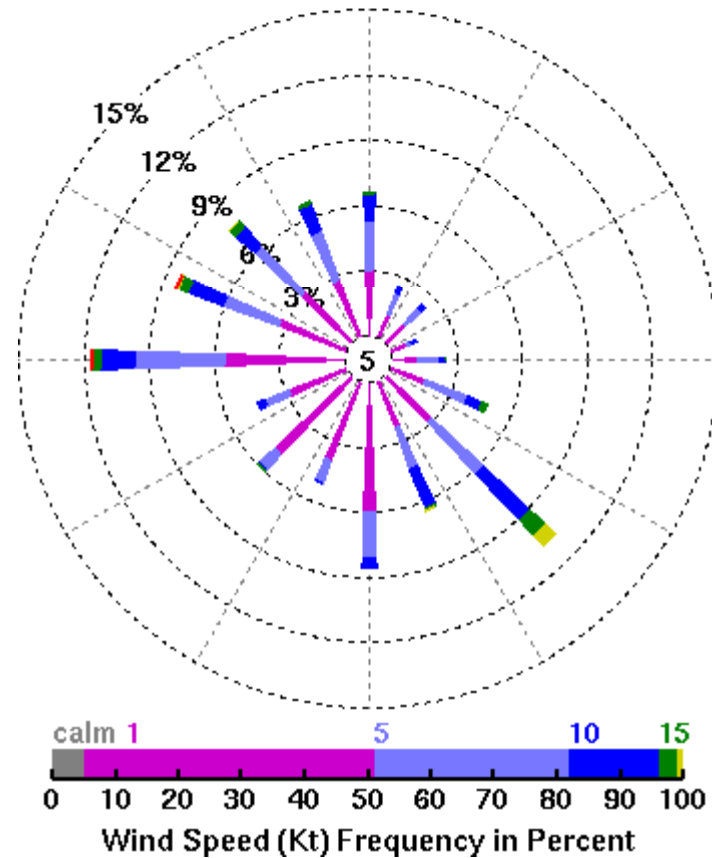
# Summer

## Annual variations during drought period

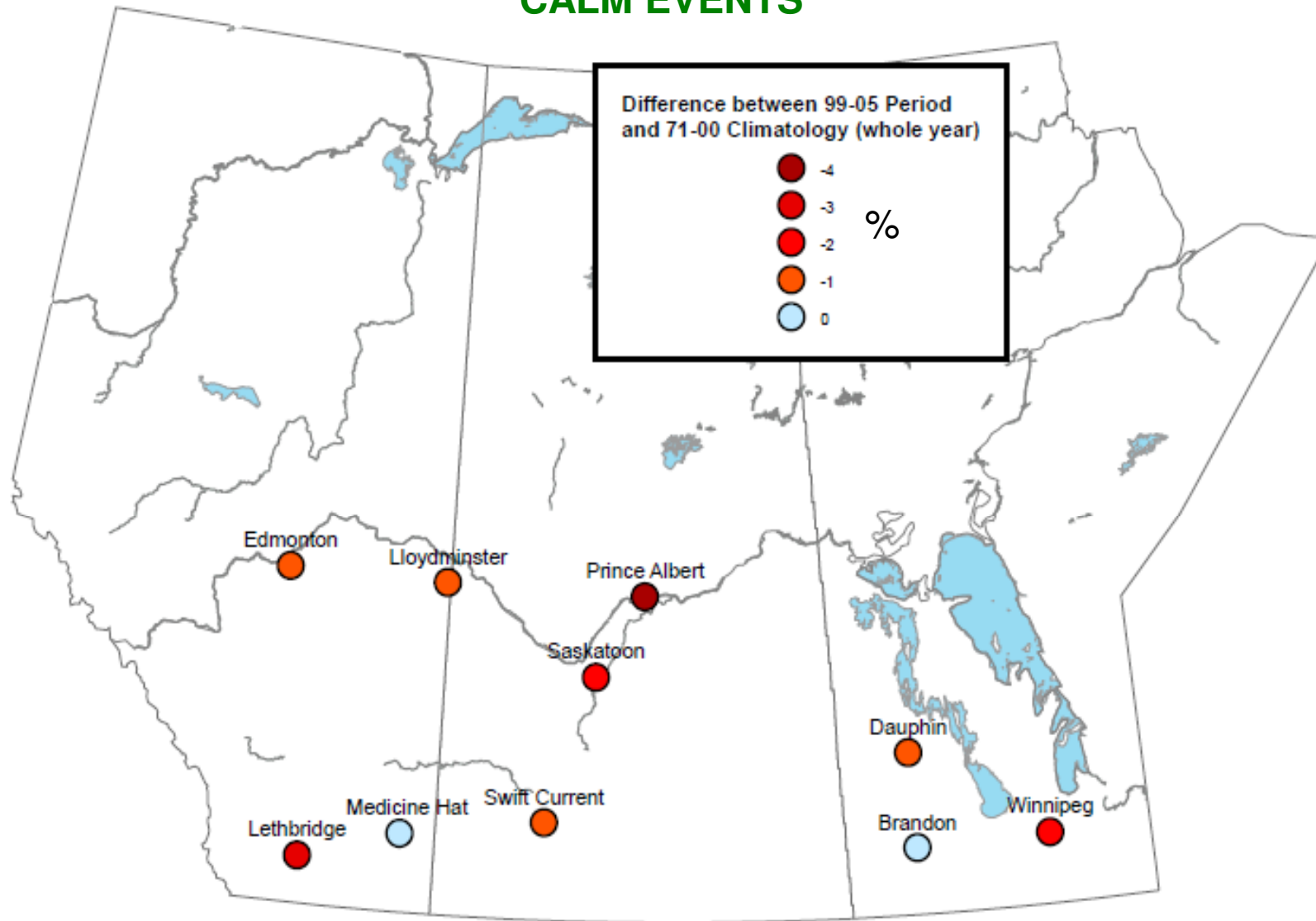
EDMONTON INT'L Airport  
June-August (1971-2000)  
Wind Speed Frequency by Direction



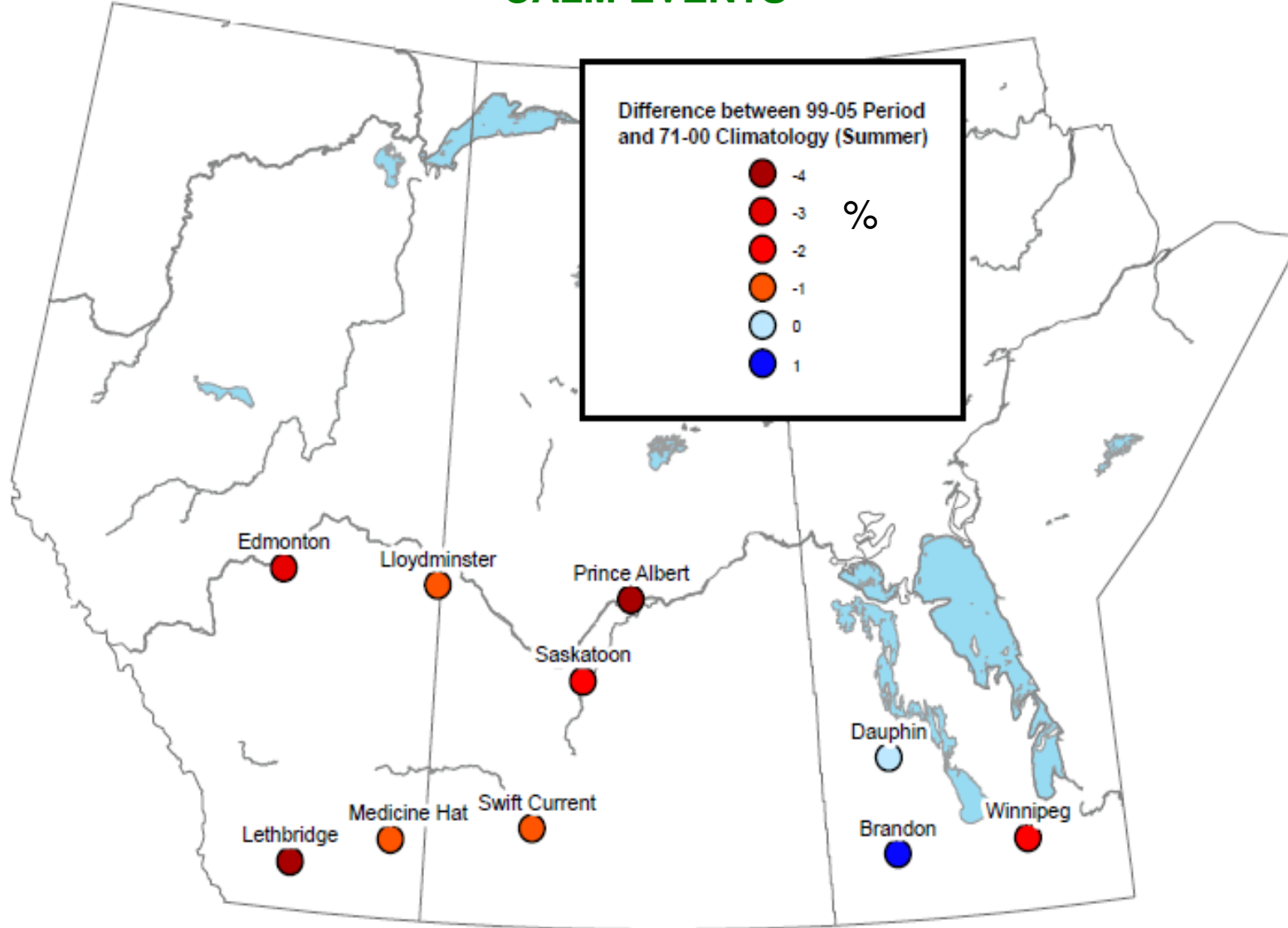
EDMONTON INT'L Airport  
June-August (2001-2001)  
Wind Speed Frequency by Direction



## CALM EVENTS



## CALM EVENTS





# Summer variation of Calm wind events 1999-2005 (drought yr – 30yr climatology)

