

Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)							Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	
ENE	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-
WNW	-	3.45	-	-	-	-	-	3.45
W	-	1.72	-	-	-	-	-	1.72
WSW	-	6.90	6.90	8.62	-	-	-	22.41
SW	-	1.72	3.45	-	-	-	-	5.17
SSW	-	-	1.72	-	-	-	-	1.72
S	-	3.45	-	-	-	-	-	3.45
SSE	-	3.45	-	-	-	-	-	3.45
SE	-	5.17	-	-	-	-	-	5.17
ESE	-	1.72	8.62	-	-	-	-	10.35
E	-	1.72	-	-	-	-	-	1.72
Calm	41.38	-	-	-	-	-	-	41.38
Total (%)	41.38	29.31	20.69	8.62	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 3 days
 Start Date: Jan. 29, 2006
 End Date: Jan. 31, 2006
 Comment:

CONTRACTOR:
HAY & COMPANY CONSULTANTS

PREPARED BY: 

PREPARED FOR: 

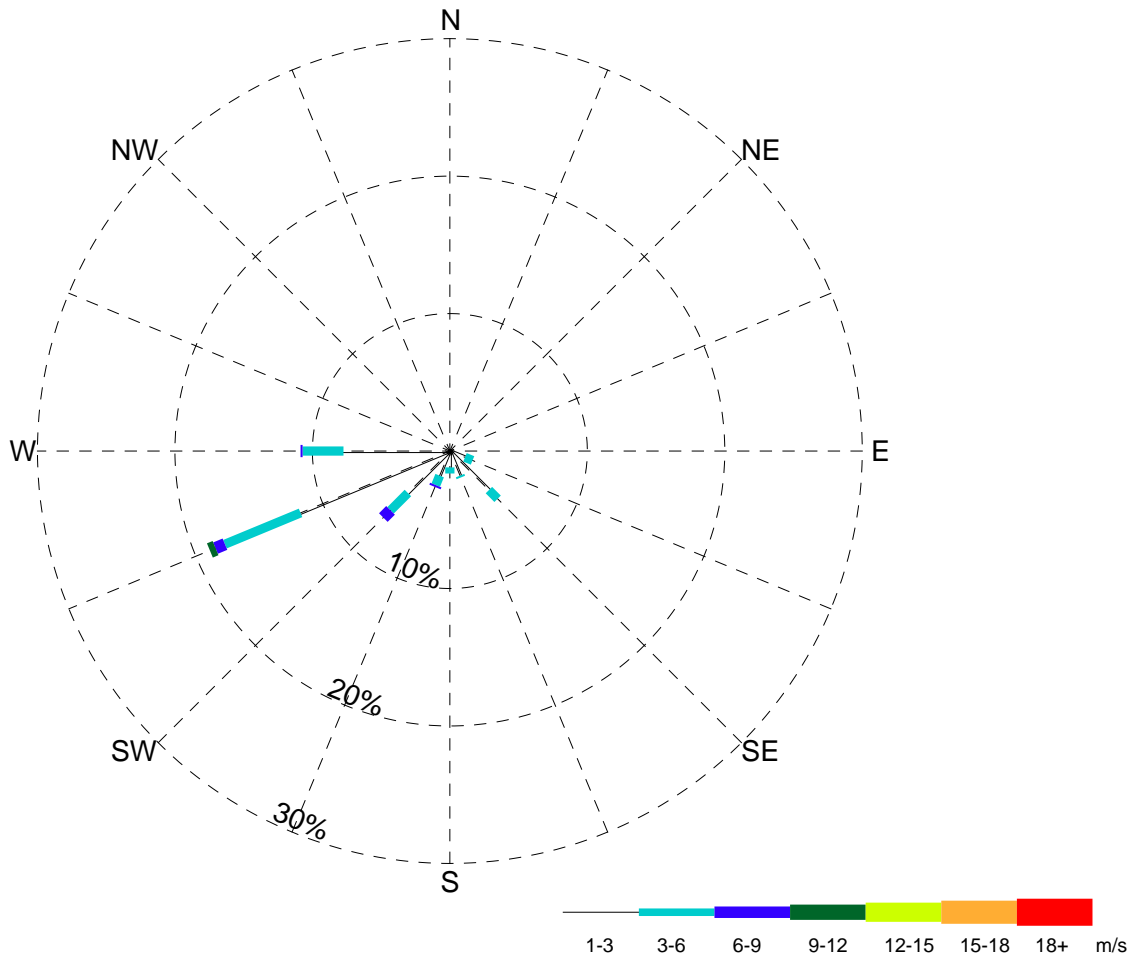
ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, January 2006

FIGURE NUMBER: **F-2.01** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	0.30	-	-	-	-	-	-	0.30
W	-	7.74	2.98	0.15	-	-	-	-	10.86
WSW	-	11.76	5.95	0.74	0.45	-	-	-	18.90
SW	-	4.32	1.79	0.74	-	-	-	-	6.84
SSW	-	1.93	0.74	0.15	-	-	-	-	2.83
S	-	1.19	0.45	-	-	-	-	-	1.64
SSE	-	1.93	0.15	-	-	-	-	-	2.08
SE	-	4.02	0.89	-	-	-	-	-	4.91
ESE	-	1.19	0.60	-	-	-	-	-	1.79
E	-	0.15	-	-	-	-	-	-	0.15
Calm	49.70	-	-	-	-	-	-	-	49.70
Total (%)	49.70	34.52	13.54	1.79	0.45	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 28 days
 Start Date: Feb. 1, 2006
 End Date: Feb. 28, 2006
 Comment:

CONTRACTOR:
HAY & COMPANY CONSULTANTS

PREPARED BY: 

PREPARED FOR: 

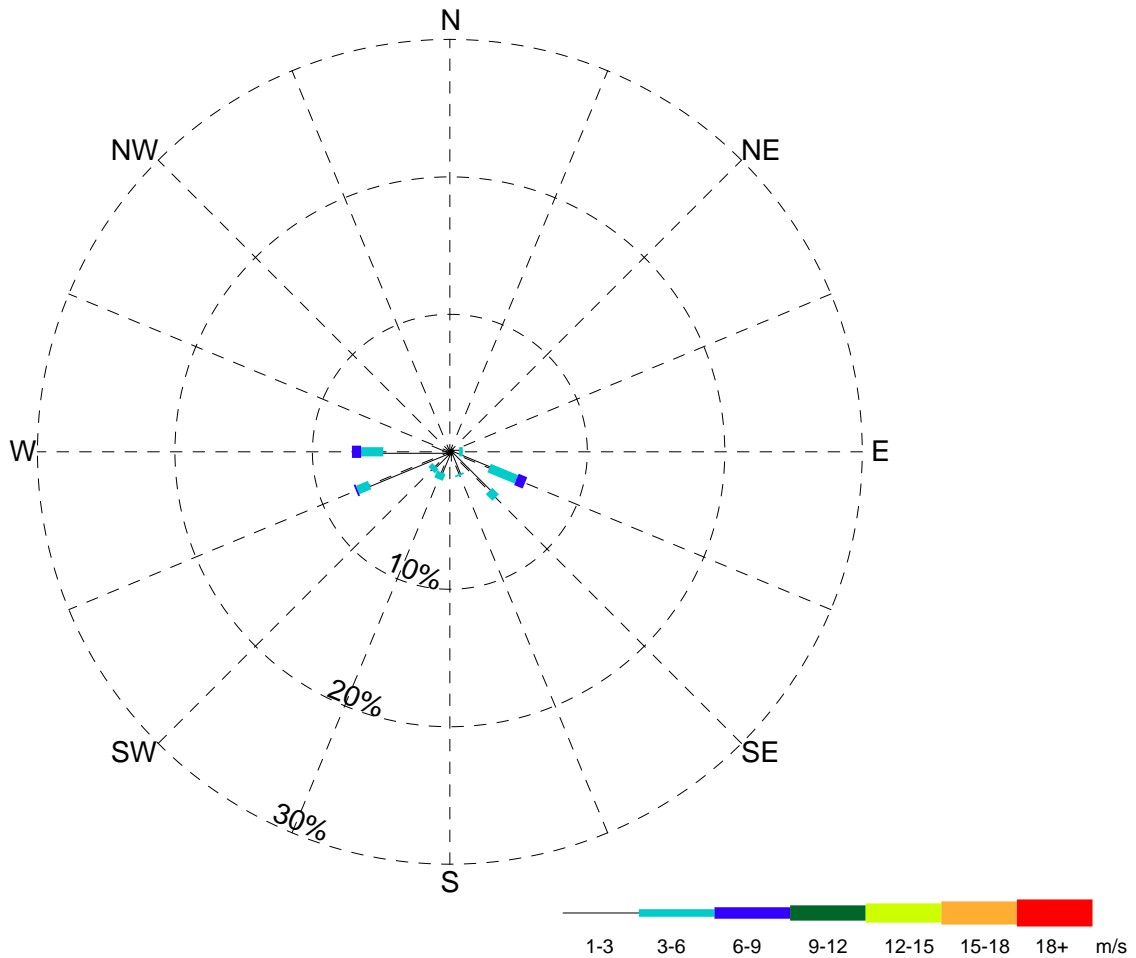
ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, February 2006

FIGURE NUMBER: **F-2.02** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	0.27	-	-	-	-	-	-	0.27
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	1.34	-	-	-	-	-	-	1.34
W	-	4.84	1.61	0.67	-	-	-	-	7.12
WSW	-	6.32	0.94	0.13	-	-	-	-	7.39
SW	-	1.48	0.40	-	-	-	-	-	1.88
SSW	-	1.61	0.54	-	-	-	-	-	2.15
S	-	0.67	-	-	-	-	-	-	0.67
SSE	-	1.75	0.13	-	-	-	-	-	1.88
SE	-	4.03	0.67	-	-	-	-	-	4.70
ESE	-	3.09	2.15	0.67	-	-	-	-	5.91
E	-	0.67	0.27	-	-	-	-	-	0.94
Calm	65.73	-	-	-	-	-	-	-	65.73
Total (%)	65.73	26.08	6.72	1.48	-	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: Mar. 1, 2006
 End Date: Mar. 31, 2006
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS

PREPARED BY:

PREPARED FOR:

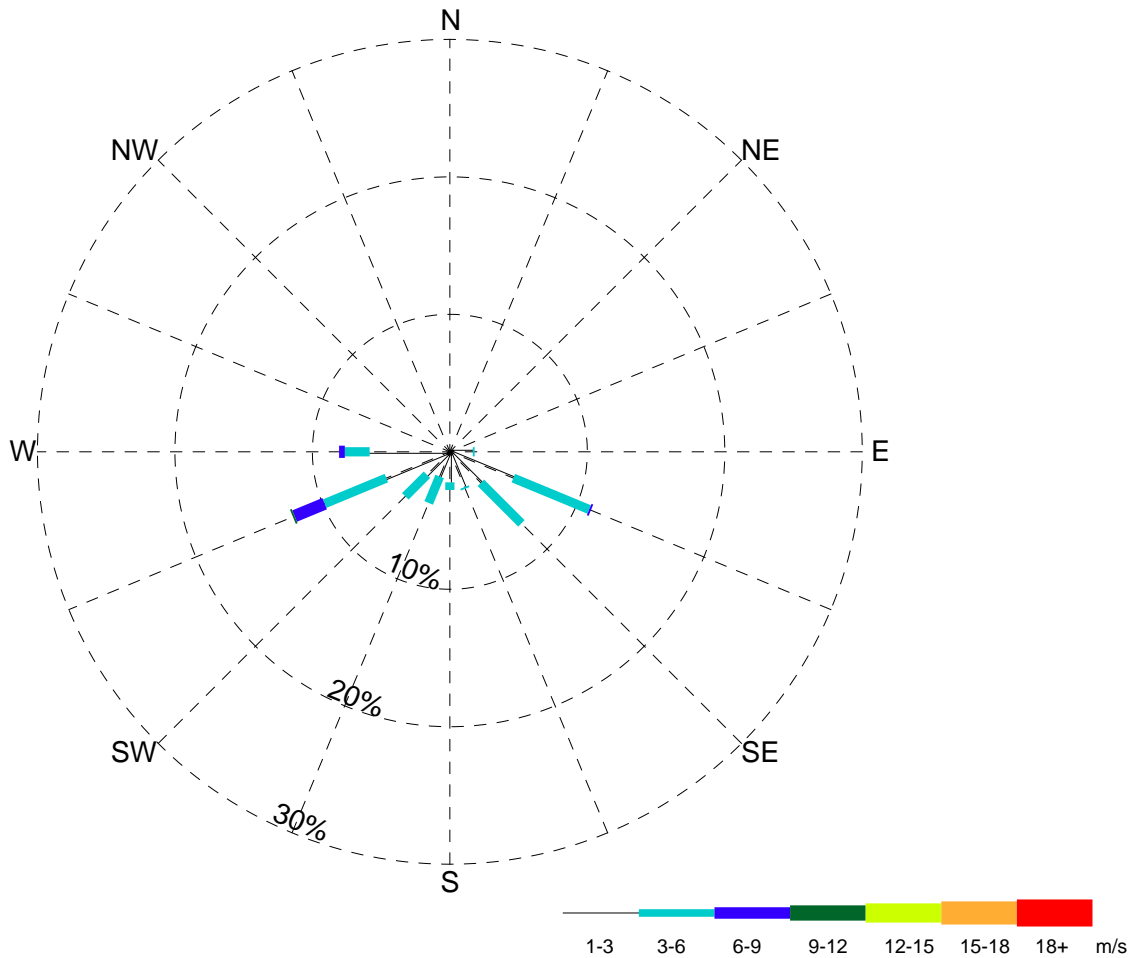
ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, March 2006

FIGURE NUMBER: **F-2.03** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	0.14	-	-	-	-	-	-	0.14
W	-	5.83	1.81	0.42	-	-	-	-	8.06
WSW	-	5.00	4.86	2.36	0.14	-	-	-	12.36
SW	-	2.36	2.22	-	-	-	-	-	4.58
SSW	-	1.94	2.08	-	-	-	-	-	4.03
S	-	2.22	0.56	-	-	-	-	-	2.78
SSE	-	2.78	0.14	-	-	-	-	-	2.92
SE	-	3.19	4.17	-	-	-	-	-	7.36
ESE	-	5.00	5.97	0.14	-	-	-	-	11.11
E	-	1.67	0.14	-	-	-	-	-	1.81
Calm	44.86	-	-	-	-	-	-	-	44.86
Total (%)	44.86	30.14	21.94	2.92	0.14	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 30 days
 Start Date: Apr. 1, 2006
 End Date: Apr. 30, 2006
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS

PREPARED BY:


PREPARED FOR:

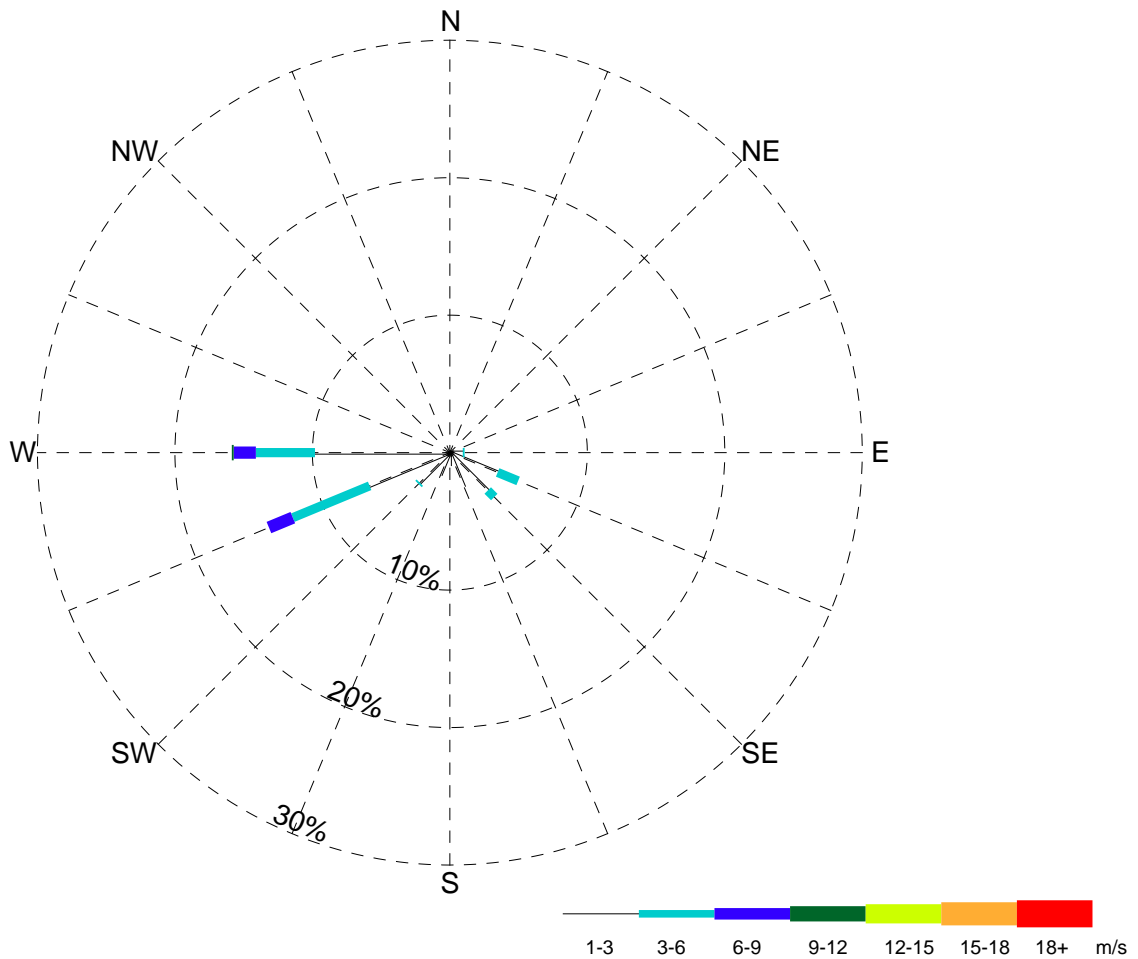

ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, April 2006

FIGURE NUMBER: **F-2.04** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	0.27	-	-	-	-	-	-	0.27
W	-	9.81	4.30	1.61	0.13	-	-	-	15.86
WSW	-	6.32	6.05	1.88	-	-	-	-	14.25
SW	-	3.09	0.13	-	-	-	-	-	3.23
SSW	-	1.75	-	-	-	-	-	-	1.75
S	-	0.94	-	-	-	-	-	-	0.94
SSE	-	2.69	-	-	-	-	-	-	2.69
SE	-	3.90	0.67	-	-	-	-	-	4.57
ESE	-	3.76	1.61	-	-	-	-	-	5.38
E	-	0.94	0.13	-	-	-	-	-	1.08
Calm	50.00	-	-	-	-	-	-	-	50.00
Total (%)	50.00	33.47	12.90	3.49	0.13	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: May 1, 2006
 End Date: May 31, 2006
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS

PREPARED BY:

PREPARED FOR:

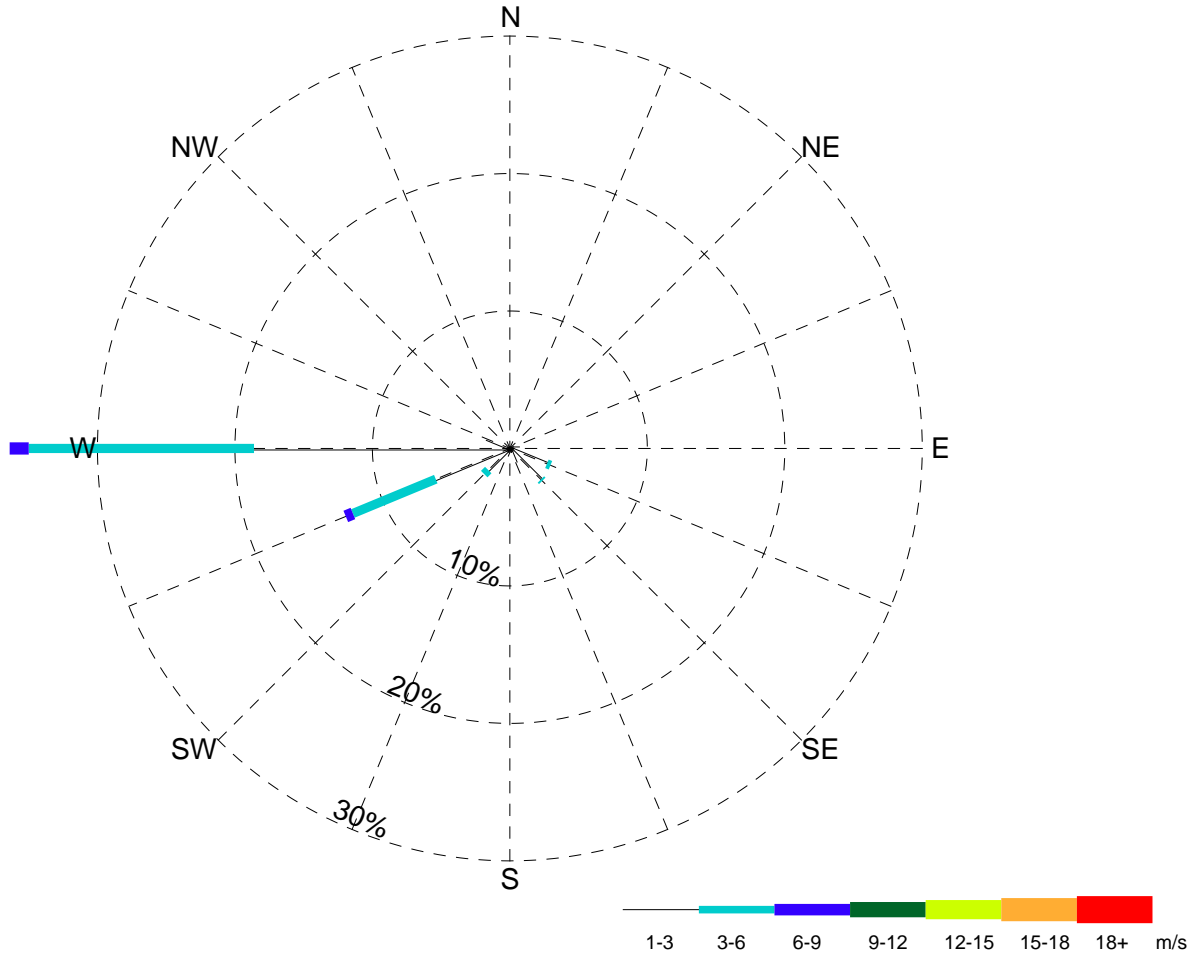
ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, May 2006

FIGURE NUMBER: **F-2.05** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	1.81	-	-	-	-	-	-	1.81
W	-	18.61	16.39	1.39	-	-	-	-	36.39
WSW	-	5.83	6.53	0.56	-	-	-	-	12.92
SW	-	2.22	0.42	-	-	-	-	-	2.64
SSW	-	0.56	-	-	-	-	-	-	0.56
S	-	0.28	-	-	-	-	-	-	0.28
SSE	-	1.11	-	-	-	-	-	-	1.11
SE	-	3.19	0.14	-	-	-	-	-	3.33
ESE	-	2.92	0.28	-	-	-	-	-	3.19
E	-	0.69	-	-	-	-	-	-	0.69
Calm	37.08	-	-	-	-	-	-	-	37.08
Total (%)	37.08	37.22	23.75	1.94	-	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 30 days
 Start Date: Jun. 1, 2006
 End Date: Jun. 30, 2006
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS

PREPARED BY:

PREPARED FOR:

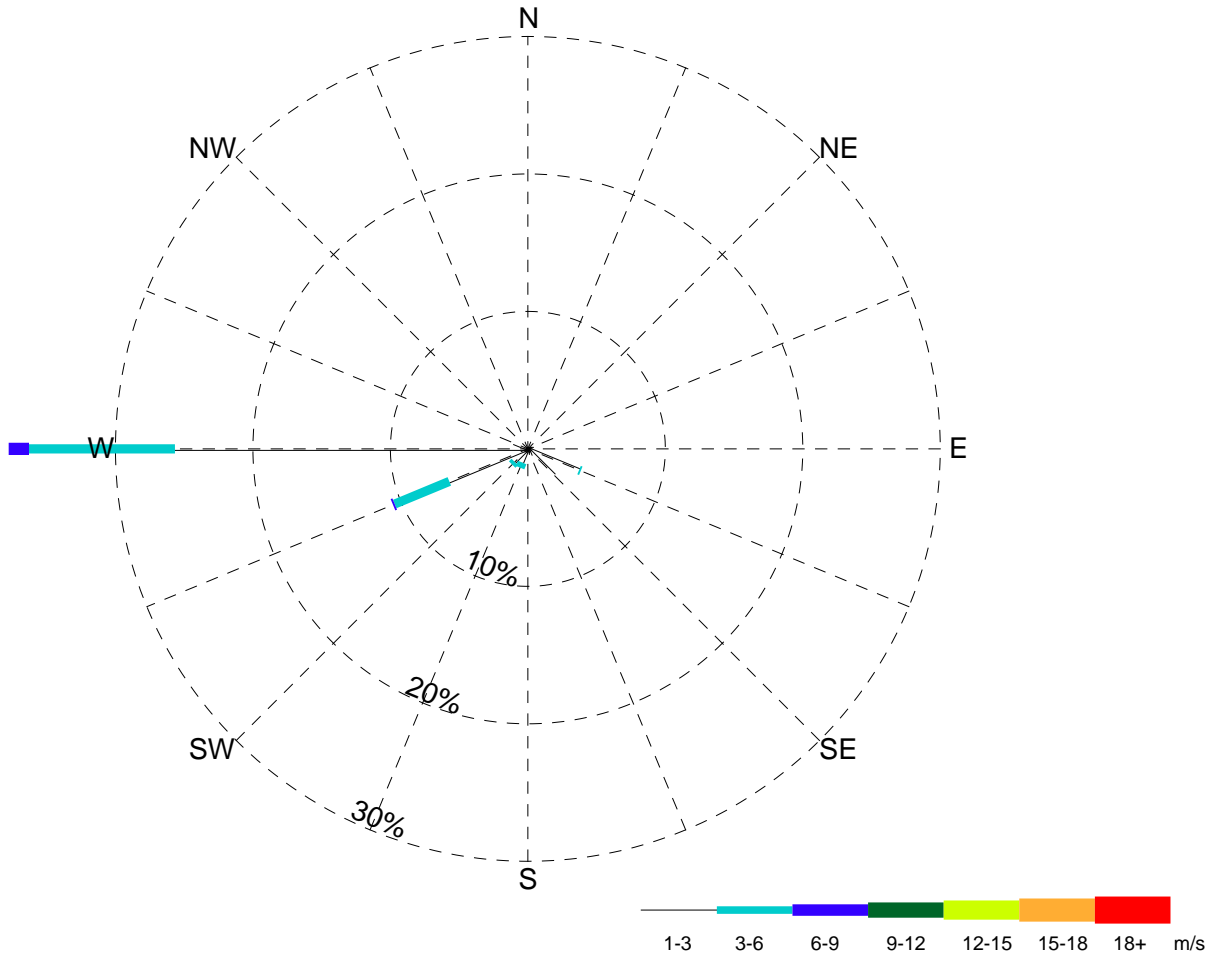
ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, June 2006

FIGURE NUMBER: **F-2.06** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: Jul. 1, 2006
 End Date: Jul. 31, 2006
 Comment:

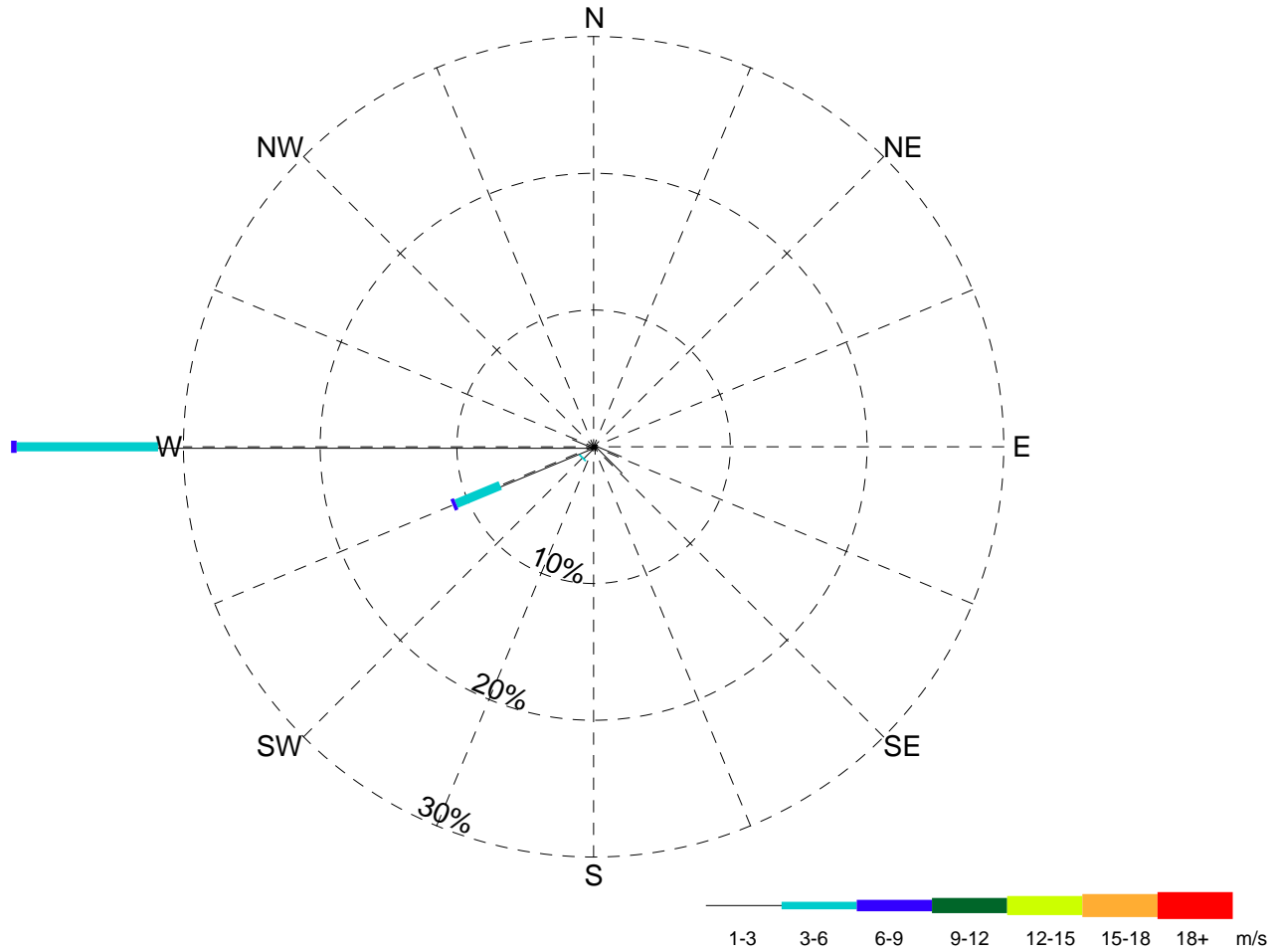
Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	1.08	-	-	-	-	-	-	1.08
W	-	25.67	10.62	1.48	-	-	-	-	37.77
WSW	-	6.18	4.30	0.13	-	-	-	-	10.62
SW	-	1.34	0.27	-	-	-	-	-	1.61
SSW	-	1.08	0.40	-	-	-	-	-	1.48
S	-	0.40	-	-	-	-	-	-	0.40
SSE	-	0.54	-	-	-	-	-	-	0.54
SE	-	2.69	-	-	-	-	-	-	2.69
ESE	-	4.03	0.13	-	-	-	-	-	4.17
E	-	0.40	-	-	-	-	-	-	0.40
Calm	39.25	-	-	-	-	-	-	-	39.25
Total (%)	39.25	43.41	15.73	1.61	-	-	-	-	100.00

CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:


ENBRIDGE NORTHERN GATEWAY PROJECT
 Wright Sound Wind Rose, July 2006

FIGURE NUMBER: **F-2.07**
 DATE: 20090727
 SCALE:
 AUTHOR: TM
 APPROVED BY: JAS
 PROJECTION:
 DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	0.13	-	-	-	-	-	-	0.13
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	1.61	-	-	-	-	-	-	1.61
W	-	31.85	10.35	0.40	-	-	-	-	42.61
WSW	-	7.39	3.49	0.27	-	-	-	-	11.16
SW	-	1.08	0.13	-	-	-	-	-	1.21
SSW	-	0.13	-	-	-	-	-	-	0.13
S	-	0.54	-	-	-	-	-	-	0.54
SSE	-	0.40	-	-	-	-	-	-	0.40
SE	-	2.82	-	-	-	-	-	-	2.82
ESE	-	2.15	-	-	-	-	-	-	2.15
E	-	0.27	-	-	-	-	-	-	0.27
Calm	36.96	-	-	-	-	-	-	-	36.96
Total (%)	36.96	48.39	13.98	0.67	-	-	-	-	100.00

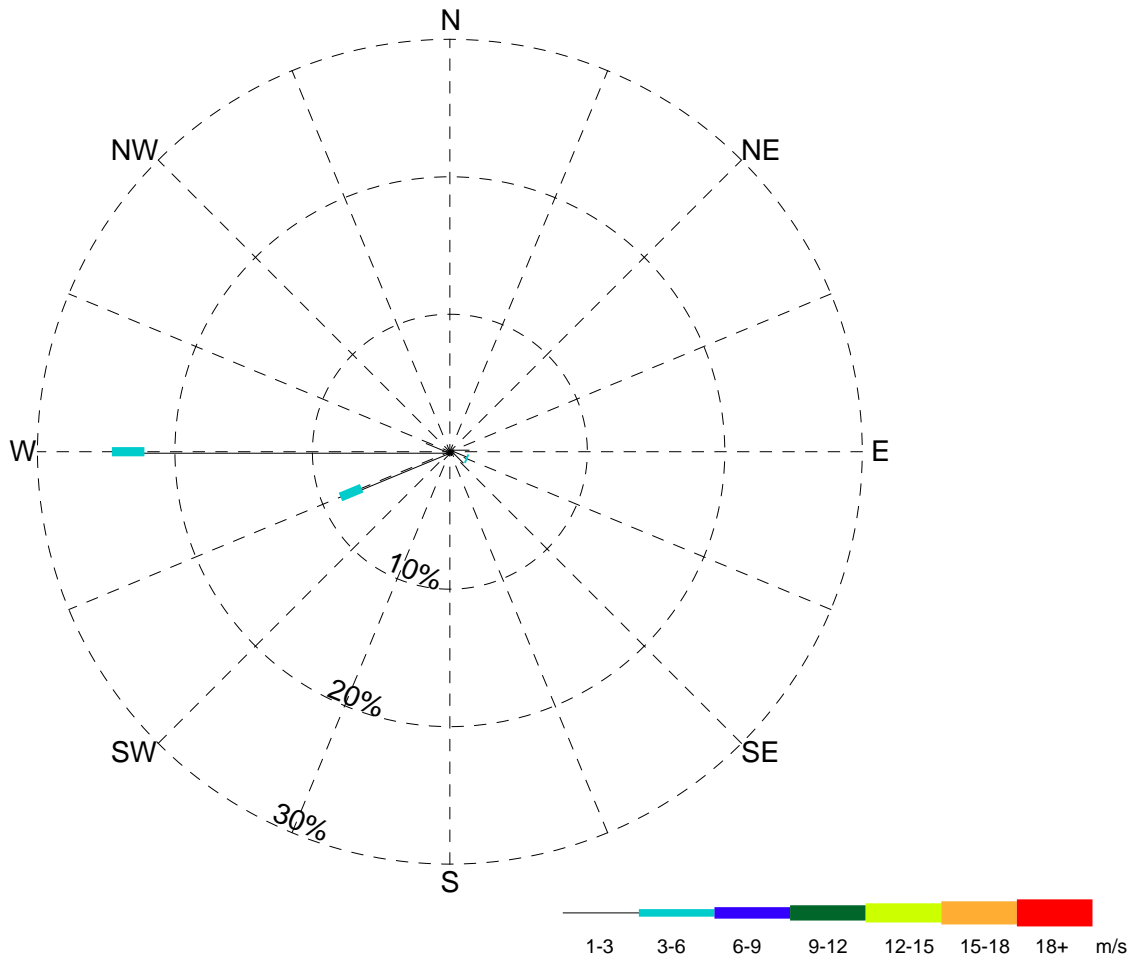
Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: Aug. 1, 2006
 End Date: Aug. 31, 2006
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY: 
 PREPARED FOR: 

ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, August 2006

FIGURE NUMBER: **F-2.08** DATE: 20090727
 SCALE: AUTHOR: TM APPROVED BY: JAS
 PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	1.81	-	-	-	-	-	-	1.81
W	-	22.22	2.36	-	-	-	-	-	24.58
WSW	-	6.94	1.67	-	-	-	-	-	8.61
SW	-	0.69	-	-	-	-	-	-	0.69
SSW	-	0.28	-	-	-	-	-	-	0.28
S	-	0.28	-	-	-	-	-	-	0.28
SSE	-	0.42	-	-	-	-	-	-	0.42
SE	-	1.25	-	-	-	-	-	-	1.25
ESE	-	1.25	0.14	-	-	-	-	-	1.39
E	-	1.39	-	-	-	-	-	-	1.39
Calm	59.31	-	-	-	-	-	-	-	59.31
Total (%)	59.31	36.53	4.17	-	-	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 30 days
 Start Date: Sep. 1, 2006
 End Date: Sep. 30, 2006
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS

PREPARED BY:


PREPARED FOR:

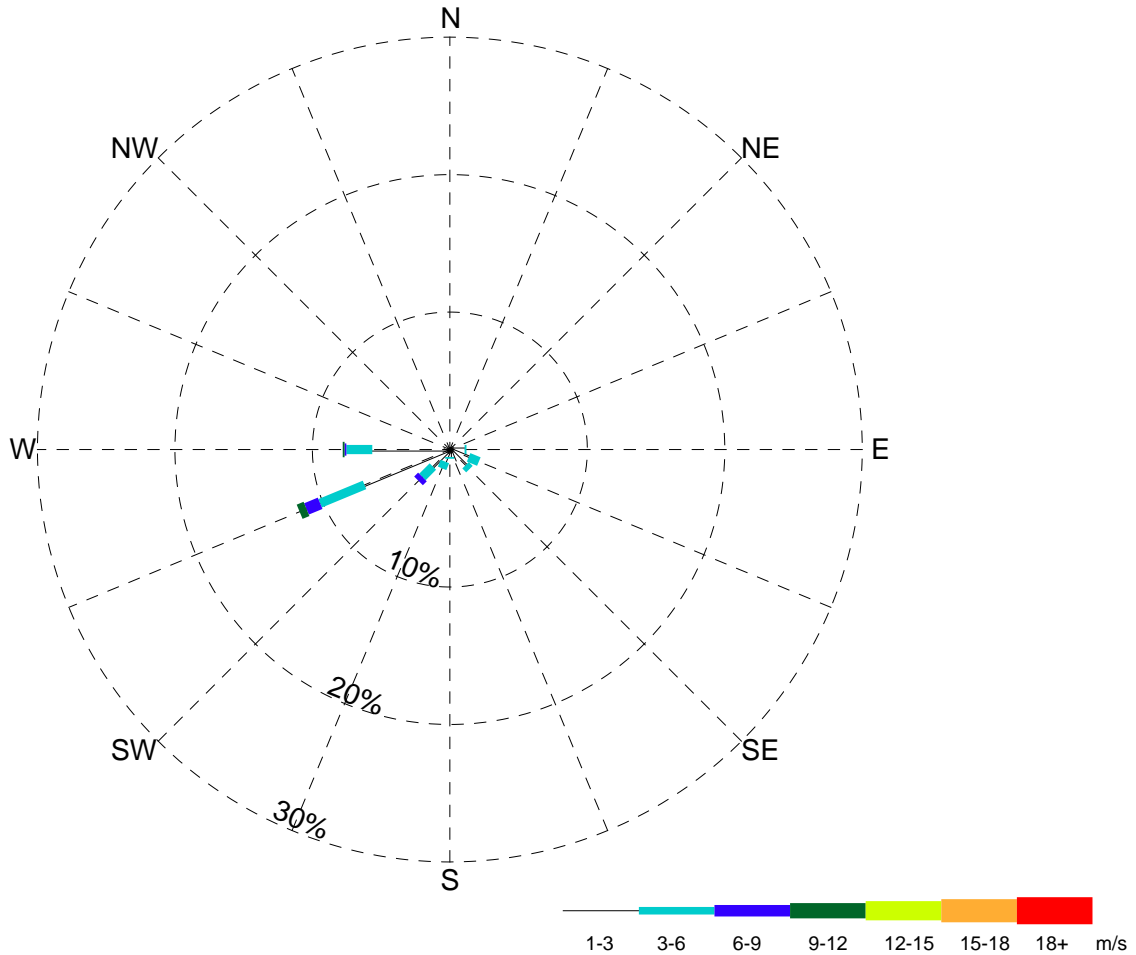

ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, September 2006

FIGURE NUMBER: **F-2.09** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	0.27	-	-	-	-	-	-	0.27
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	0.40	-	-	-	-	-	-	0.40
W	-	5.64	1.88	0.13	0.13	-	-	-	7.80
WSW	-	6.72	3.49	1.08	0.54	-	-	-	11.83
SW	-	1.75	1.08	0.40	-	-	-	-	3.23
SSW	-	0.94	0.54	-	-	-	-	-	1.48
S	-	0.54	0.13	-	-	-	-	-	0.67
SSE	-	0.94	-	-	-	-	-	-	0.94
SE	-	1.61	0.40	-	-	-	-	-	2.02
ESE	-	1.48	0.81	-	-	-	-	-	2.29
E	-	1.08	0.13	-	-	-	-	-	1.21
Calm	67.88	-	-	-	-	-	-	-	67.88
Total (%)	67.88	21.37	8.47	1.61	0.67	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: Oct. 1, 2006
 End Date: Oct. 31, 2006
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS

PREPARED BY:

PREPARED FOR:

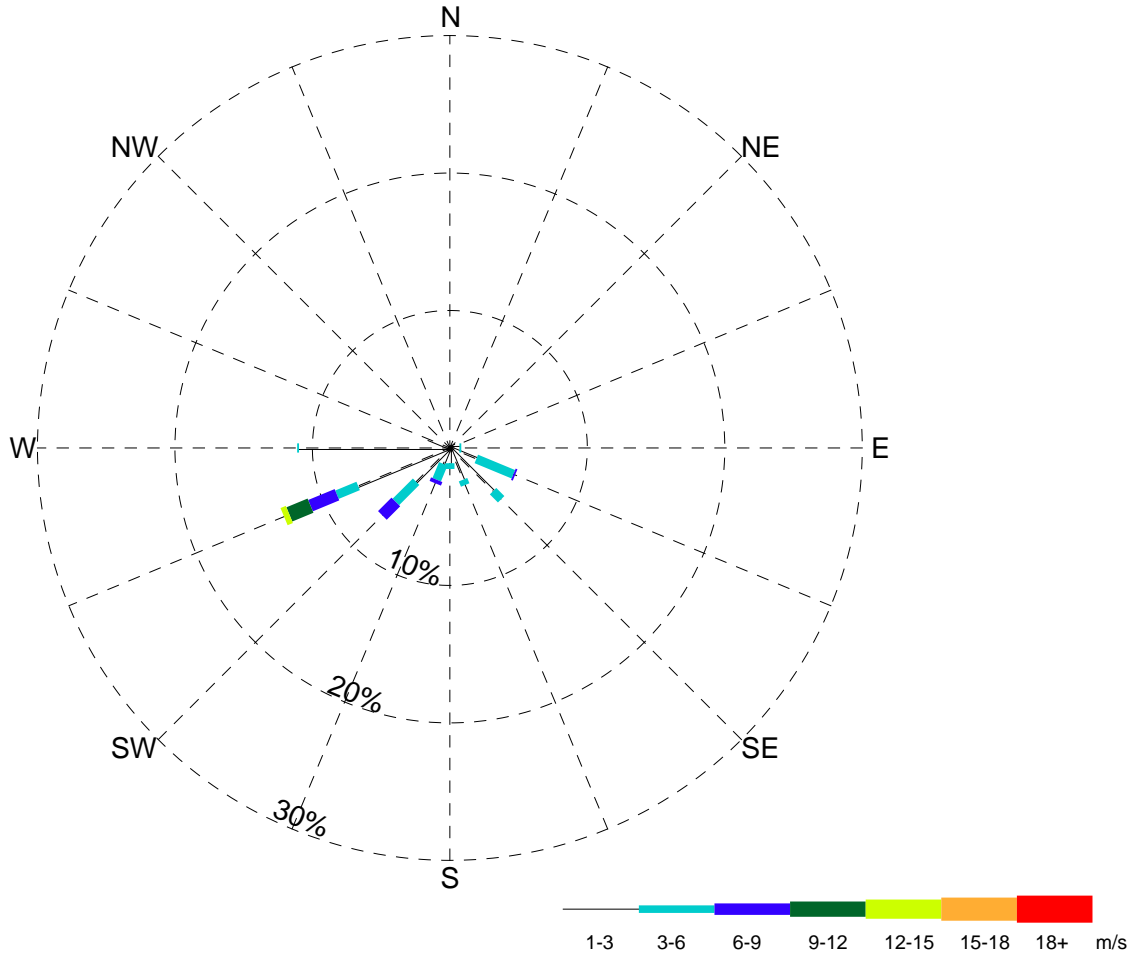
ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, October 2006

FIGURE NUMBER: **F-2.10** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	0.42	-	-	-	-	-	-	0.42
NE	-	0.14	-	-	-	-	-	-	0.14
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	1.67	-	-	-	-	-	-	1.67
W	-	10.97	0.14	-	-	-	-	-	11.11
WSW	-	7.22	1.67	2.08	1.67	0.42	-	-	13.06
SW	-	3.47	2.08	1.39	-	-	-	-	6.94
SSW	-	1.25	1.25	0.28	-	-	-	-	2.78
S	-	1.11	0.42	-	-	-	-	-	1.53
SSE	-	2.50	0.42	-	-	-	-	-	2.92
SE	-	4.44	0.83	-	-	-	-	-	5.28
ESE	-	2.08	2.92	0.14	-	-	-	-	5.14
E	-	0.69	0.14	-	-	-	-	-	0.83
Calm	48.19	-	-	-	-	-	-	-	48.19
Total (%)	48.19	35.97	9.86	3.89	1.67	0.42	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 30 days
 Start Date: Nov. 1, 2006
 End Date: Nov. 30, 2006
 Comment:

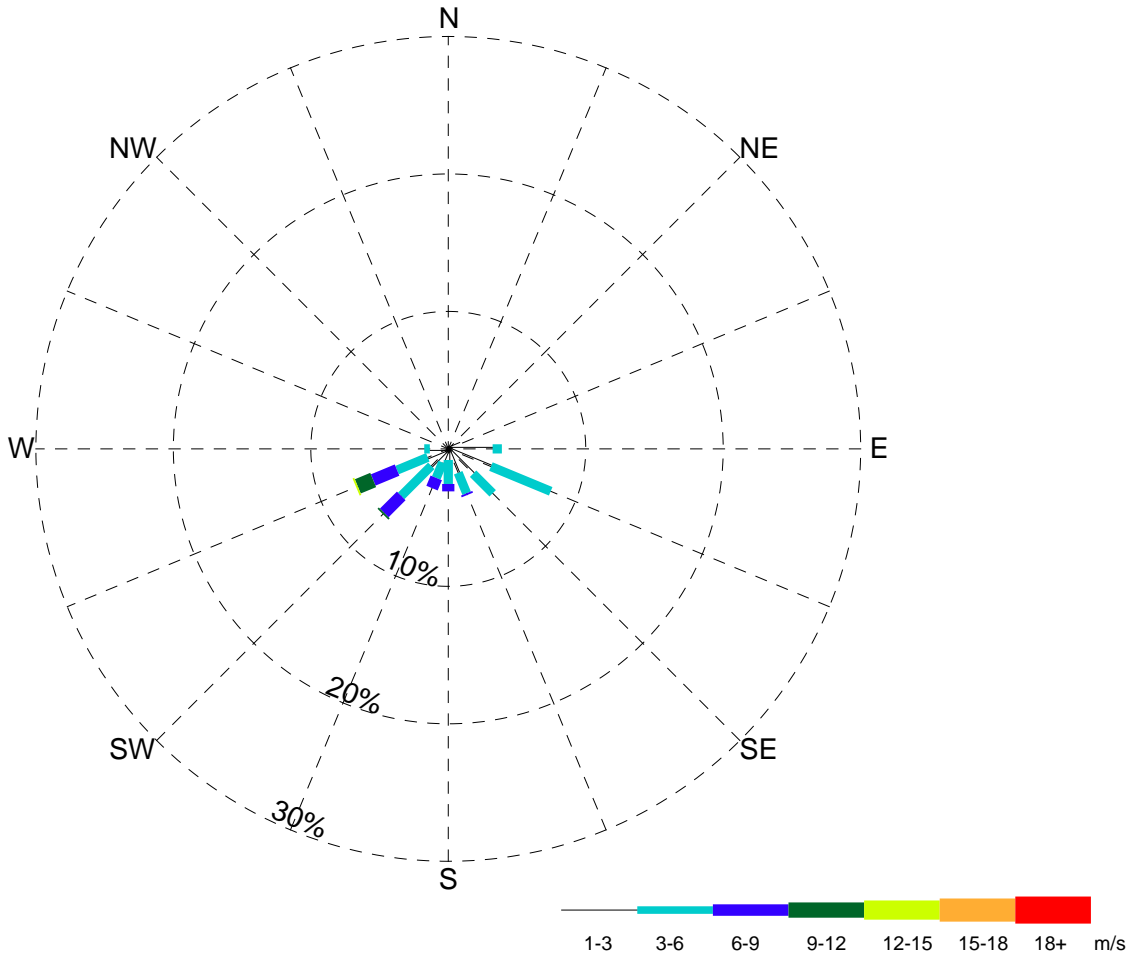
CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:


PREPARED FOR:


ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, November 2006

FIGURE NUMBER: **F-2.11** DATE: 20090727
 SCALE: AUTHOR: TM APPROVED BY: JAS
 PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	0.94	-	-	-	-	-	-	0.94
NE	-	0.13	-	-	-	-	-	-	0.13
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	-	-	-	-	-	-	-	-
W	-	1.34	0.40	-	-	-	-	-	1.75
WSW	-	1.61	2.42	1.88	1.21	0.13	-	-	7.26
SW	-	1.75	3.09	1.75	0.13	-	-	-	6.72
SSW	-	1.08	1.21	0.81	-	-	-	-	3.09
S	-	0.81	1.75	0.54	-	-	-	-	3.09
SSE	-	1.88	1.61	0.13	-	-	-	-	3.63
SE	-	2.55	2.02	-	-	-	-	-	4.57
ESE	-	3.36	4.70	-	-	-	-	-	8.06
E	-	3.23	0.67	-	-	-	-	-	3.90
Calm	56.85	-	-	-	-	-	-	-	56.85
Total (%)	56.85	18.68	17.88	5.11	1.34	0.13	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: Dec. 1, 2006
 End Date: Dec. 31, 2006
 Comment:

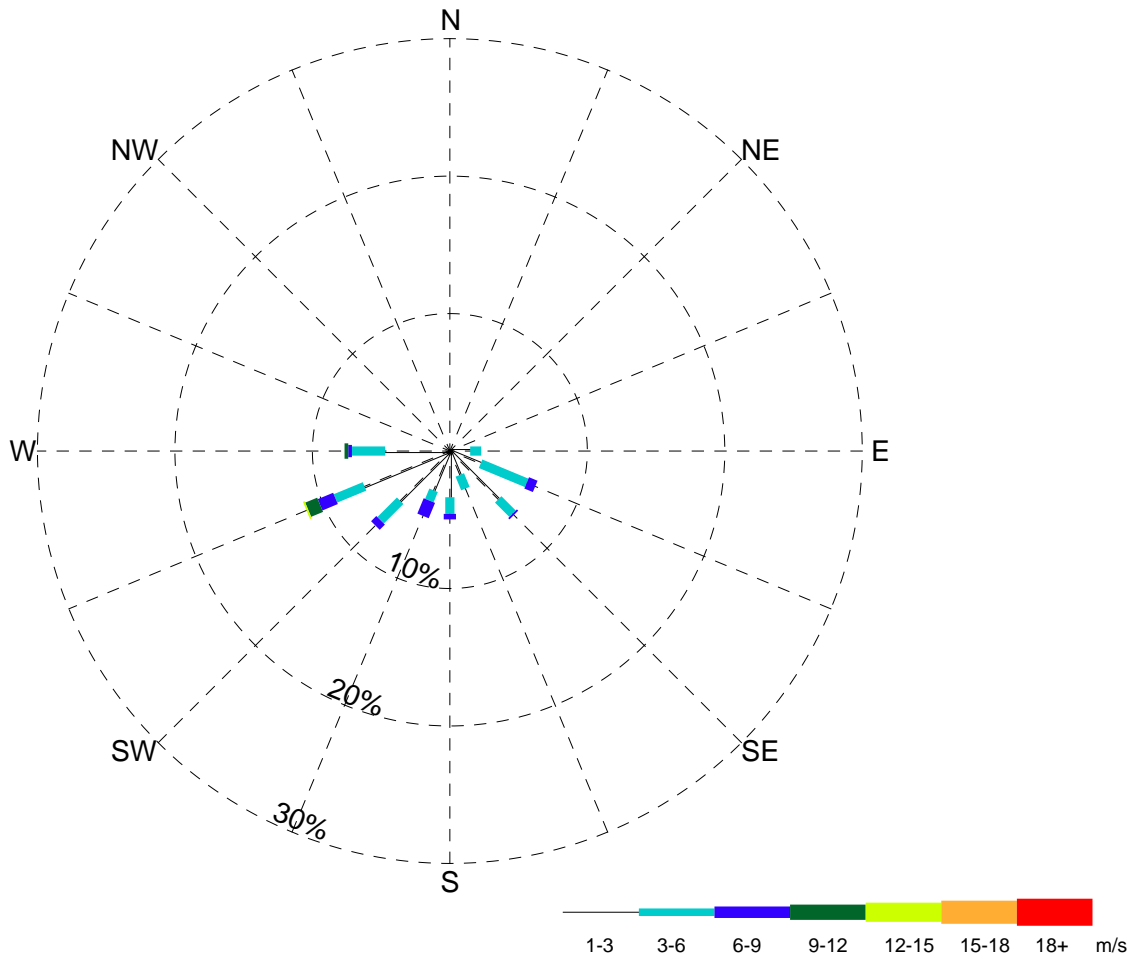
CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:


PREPARED FOR:


ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, December 2006

FIGURE NUMBER: **F-2.12** DATE: 20090727
 SCALE: AUTHOR: TM APPROVED BY: JAS
 PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	0.27	-	-	-	-	-	-	0.27
W	-	4.70	2.42	0.27	0.27	-	-	-	7.66
WSW	-	6.72	2.29	1.21	0.94	0.13	-	-	11.29
SW	-	5.11	2.02	0.54	-	-	-	-	7.66
SSW	-	3.09	0.81	1.21	-	-	-	-	5.11
S	-	3.36	1.21	0.40	-	-	-	-	4.97
SSE	-	1.88	1.08	-	-	-	-	-	2.96
SE	-	4.97	1.48	0.13	-	-	-	-	6.59
ESE	-	2.42	3.63	0.67	-	-	-	-	6.72
E	-	1.48	0.81	-	-	-	-	-	2.29
Calm	44.49	-	-	-	-	-	-	-	44.49
Total (%)	44.49	34.01	15.73	4.43	1.21	0.13	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: Jan. 1, 2007
 End Date: Jan. 31, 2007
 Comment:

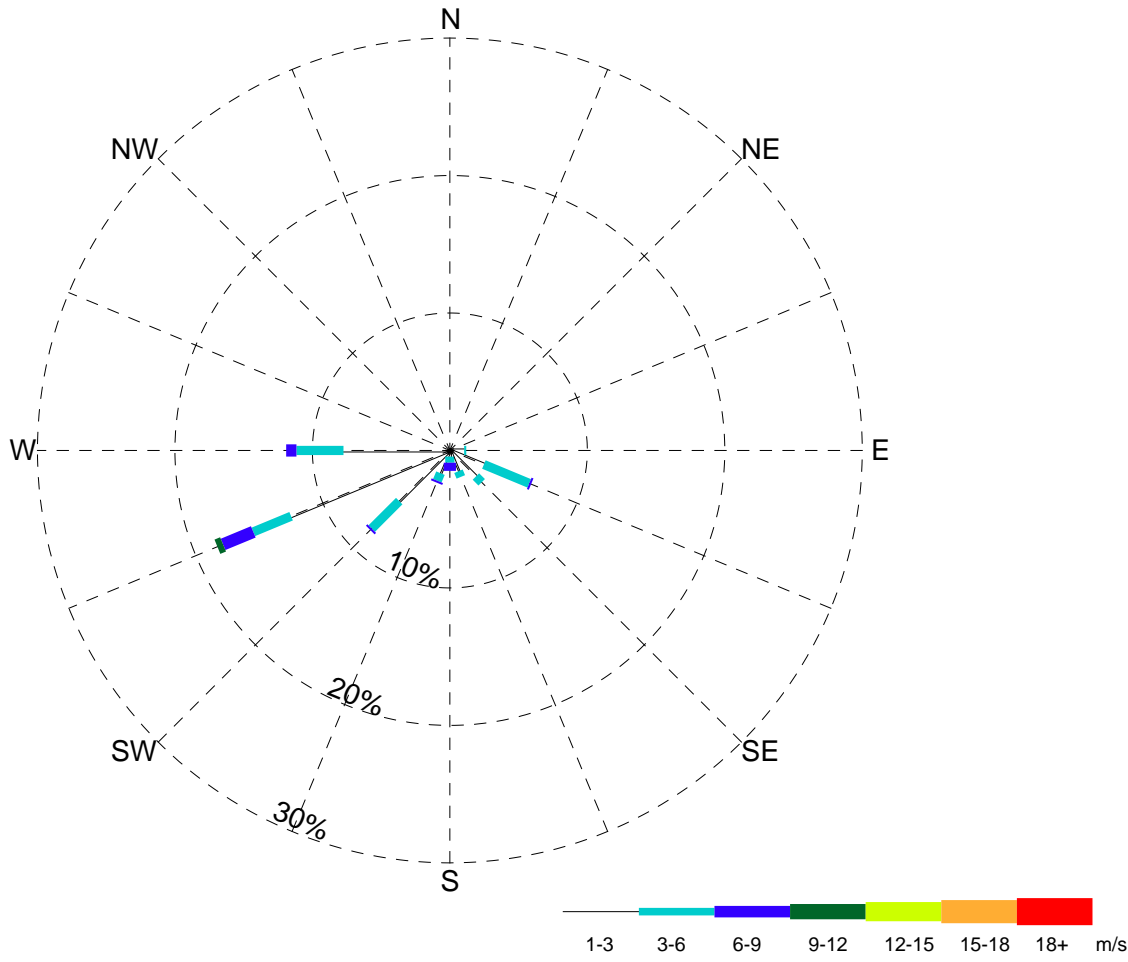
CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:

 PREPARED FOR:


ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, January 2007

FIGURE NUMBER: **F-2.13** DATE: 20090727
 SCALE: AUTHOR: TM APPROVED BY: JAS
 PROJECTION: DATUM:



Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 28 days
 Start Date: Feb. 1, 2007
 End Date: Feb. 28, 2007
 Comment:

Wind Speed & Direction Frequency Distribution Table

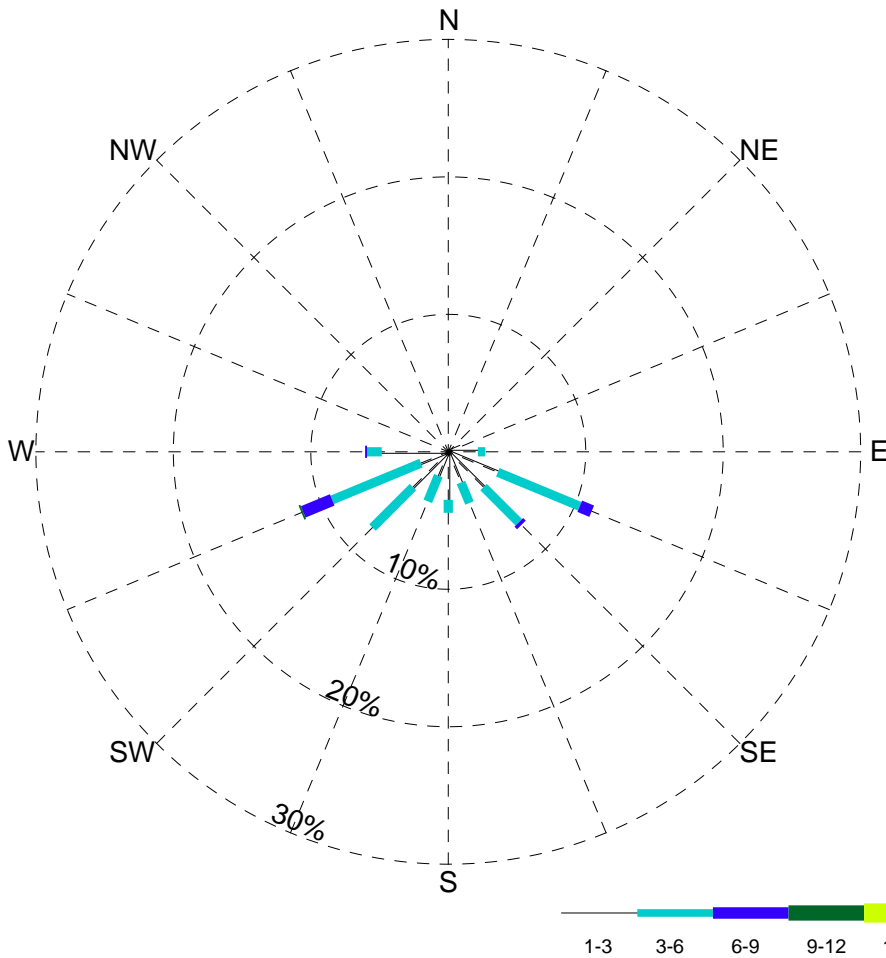
Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	0.15	-	-	-	-	-	-	0.15
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	0.30	-	-	-	-	-	-	0.30
W	-	7.74	3.42	0.74	-	-	-	-	11.90
WSW	-	12.50	2.98	2.38	0.45	-	-	-	18.30
SW	-	5.21	2.83	0.15	-	-	-	-	8.19
SSW	-	1.79	0.60	0.15	-	-	-	-	2.53
S	-	0.45	0.45	0.60	-	-	-	-	1.49
SSE	-	1.64	0.45	-	-	-	-	-	2.08
SE	-	2.68	0.60	-	-	-	-	-	3.27
ESE	-	2.68	3.57	0.15	-	-	-	-	6.40
E	-	1.04	0.15	-	-	-	-	-	1.19
Calm	44.20	-	-	-	-	-	-	-	44.20
Total (%)	44.20	36.16	15.03	4.17	0.45	-	-	-	100.00

CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:


PREPARED FOR:


ENBRIDGE NORTHERN GATEWAY PROJECT
 Wright Sound Wind Rose, February 2007

FIGURE NUMBER: **F-2.14** DATE: 20090727
 SCALE: AUTHOR: TM APPROVED BY: JAS
 PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	0.94	-	-	-	-	-	-	0.94
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	0.13	-	-	-	-	-	-	0.13
W	-	4.84	1.08	0.13	-	-	-	-	6.05
WSW	-	2.15	6.99	2.29	0.13	-	-	-	11.56
SW	-	3.63	4.17	-	-	-	-	-	7.80
SSW	-	1.88	2.02	-	-	-	-	-	3.90
S	-	3.49	0.94	-	-	-	-	-	4.43
SSE	-	2.42	1.61	-	-	-	-	-	4.03
SE	-	3.63	3.63	0.27	-	-	-	-	7.53
ESE	-	3.90	6.45	0.94	-	-	-	-	11.29
E	-	2.15	0.54	-	-	-	-	-	2.69
Calm	39.65	-	-	-	-	-	-	-	39.65
Total (%)	39.65	29.17	27.42	3.63	0.13	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: Mar. 1, 2007
 End Date: Mar. 31, 2007
 Comment:

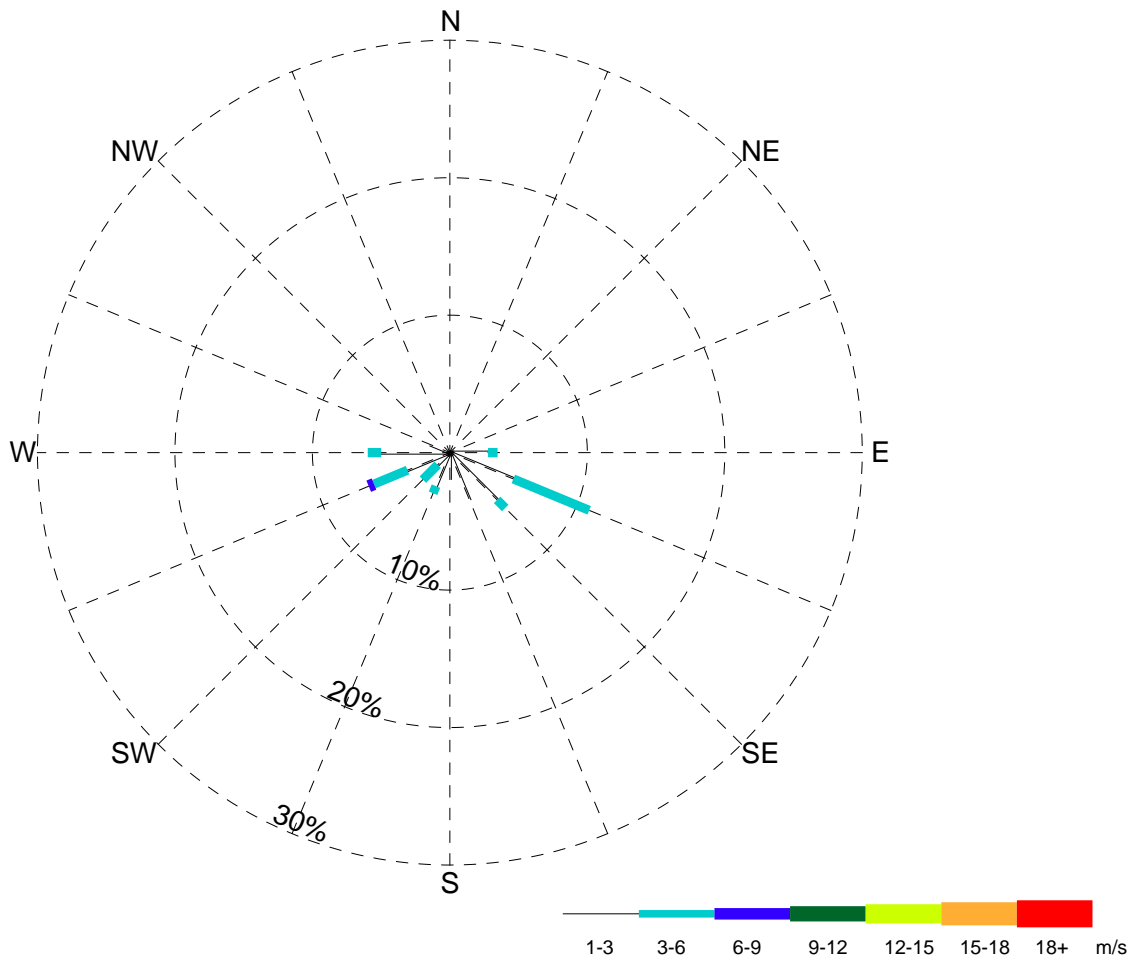
CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:


PREPARED FOR:


ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, March 2007

FIGURE NUMBER: **F-2.15**
 DATE: 20090727
 SCALE:
 AUTHOR: TM
 APPROVED BY: JAS
 PROJECTION:
 DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	0.14	-	-	-	-	-	-	0.14
WNW	-	1.53	-	-	-	-	-	-	1.53
W	-	5.00	0.97	-	-	-	-	-	5.97
WSW	-	3.33	2.64	0.42	-	-	-	-	6.39
SW	-	1.25	1.53	-	-	-	-	-	2.78
SSW	-	2.64	0.56	-	-	-	-	-	3.19
S	-	1.94	-	-	-	-	-	-	1.94
SSE	-	3.75	-	-	-	-	-	-	3.75
SE	-	4.86	0.83	-	-	-	-	-	5.69
ESE	-	5.00	5.97	-	-	-	-	-	10.97
E	-	2.78	0.69	-	-	-	-	-	3.47
Calm	54.17	-	-	-	-	-	-	-	54.17
Total (%)	54.17	32.22	13.19	0.42	-	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 30 days
 Start Date: Apr. 1, 2007
 End Date: Apr. 30, 2007
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS

PREPARED BY:

PREPARED FOR:

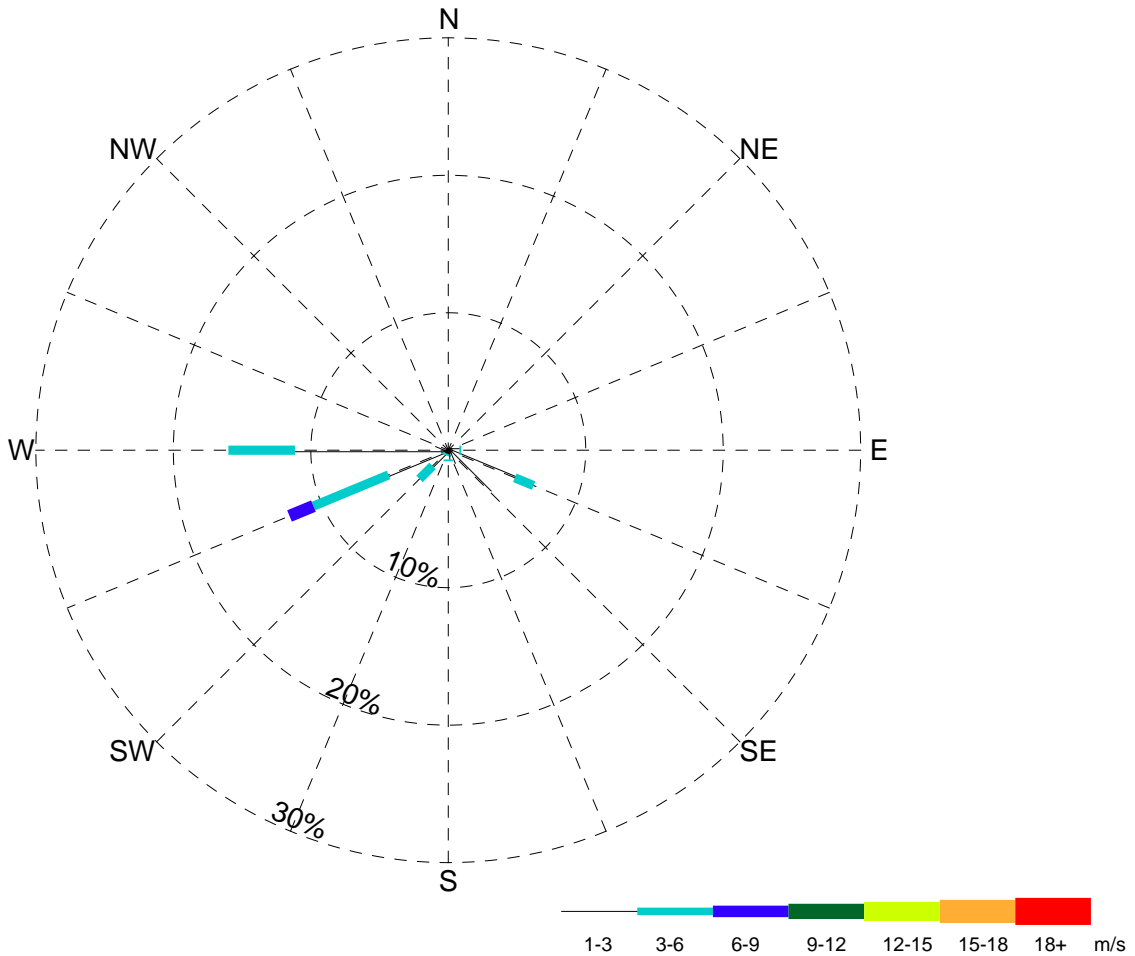
ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, April 2007

FIGURE NUMBER: **F-2.16** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	0.94	-	-	-	-	-	-	0.94
W	-	11.16	4.84	-	-	-	-	-	15.99
WSW	-	4.70	5.91	1.88	-	-	-	-	12.50
SW	-	1.61	1.34	-	-	-	-	-	2.96
SSW	-	0.27	0.13	-	-	-	-	-	0.40
S	-	0.67	0.13	-	-	-	-	-	0.81
SSE	-	1.08	-	-	-	-	-	-	1.08
SE	-	4.30	-	-	-	-	-	-	4.30
ESE	-	5.24	1.48	-	-	-	-	-	6.72
E	-	0.81	0.13	-	-	-	-	-	0.94
Calm	53.36	-	-	-	-	-	-	-	53.36
Total (%)	53.36	30.78	13.98	1.88	-	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: May 1, 2007
 End Date: May 31, 2007
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS

PREPARED BY:

PREPARED FOR:

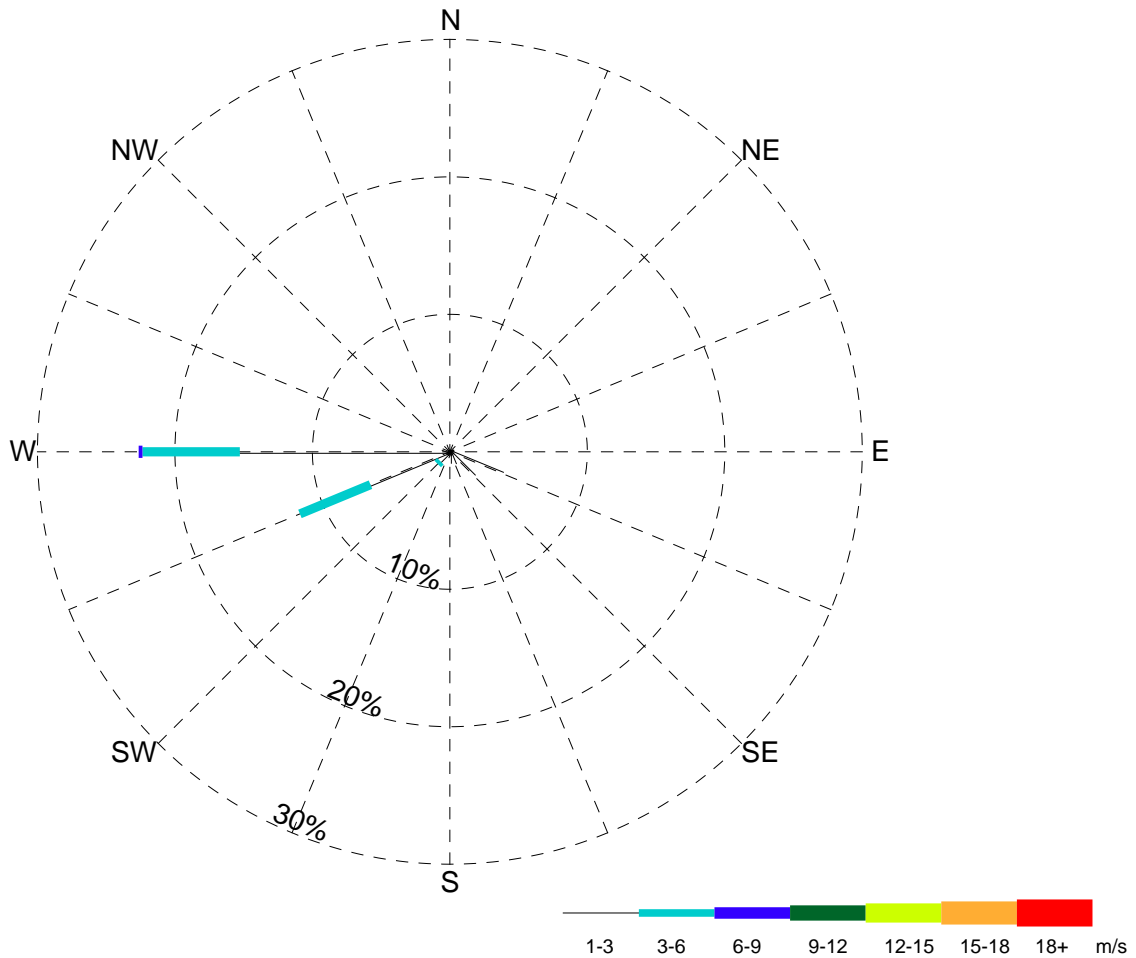
ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, May 2007

FIGURE NUMBER: **F-2.17** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)							Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	
ENE	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-
WNW	-	0.56	-	-	-	-	-	0.56
W	-	15.28	7.08	0.28	-	-	-	22.64
WSW	-	6.25	5.56	-	-	-	-	11.81
SW	-	0.97	0.28	-	-	-	-	1.25
SSW	-	0.42	-	-	-	-	-	0.42
S	-	0.83	-	-	-	-	-	0.83
SSE	-	0.97	-	-	-	-	-	0.97
SE	-	2.50	-	-	-	-	-	2.50
ESE	-	4.17	-	-	-	-	-	4.17
E	-	0.28	-	-	-	-	-	0.28
Calm	54.58	-	-	-	-	-	-	54.58
Total (%)	54.58	32.22	12.92	0.28	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 30 days
 Start Date: Jun. 1, 2007
 End Date: Jun. 30, 2007
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS

PREPARED BY:


PREPARED FOR:

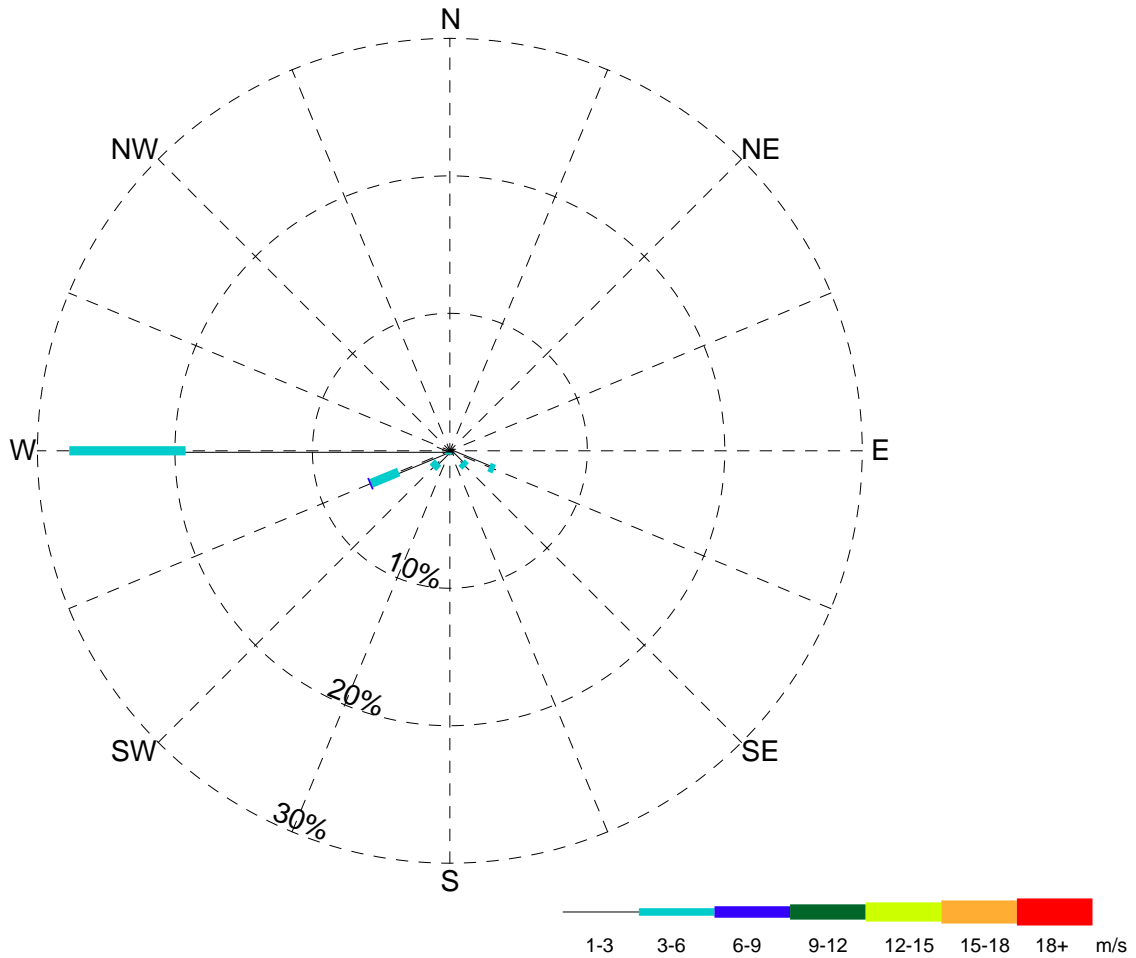

ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, June 2007

FIGURE NUMBER: **F-2.18** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: Jul. 1, 2007
 End Date: Jul. 31, 2007
 Comment:

Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	0.94	-	-	-	-	-	-	0.94
W	-	19.22	8.47	-	-	-	-	-	27.69
WSW	-	4.03	2.15	0.13	-	-	-	-	6.32
SW	-	1.21	0.54	-	-	-	-	-	1.75
SSW	-	0.13	-	-	-	-	-	-	0.13
S	-	0.13	0.13	-	-	-	-	-	0.27
SSE	-	0.40	-	-	-	-	-	-	0.40
SE	-	1.21	0.40	-	-	-	-	-	1.61
ESE	-	3.09	0.40	-	-	-	-	-	3.49
E	-	0.40	-	-	-	-	-	-	0.40
Calm	56.99	-	-	-	-	-	-	-	56.99
Total (%)	56.99	30.78	12.10	0.13	-	-	-	-	100.00

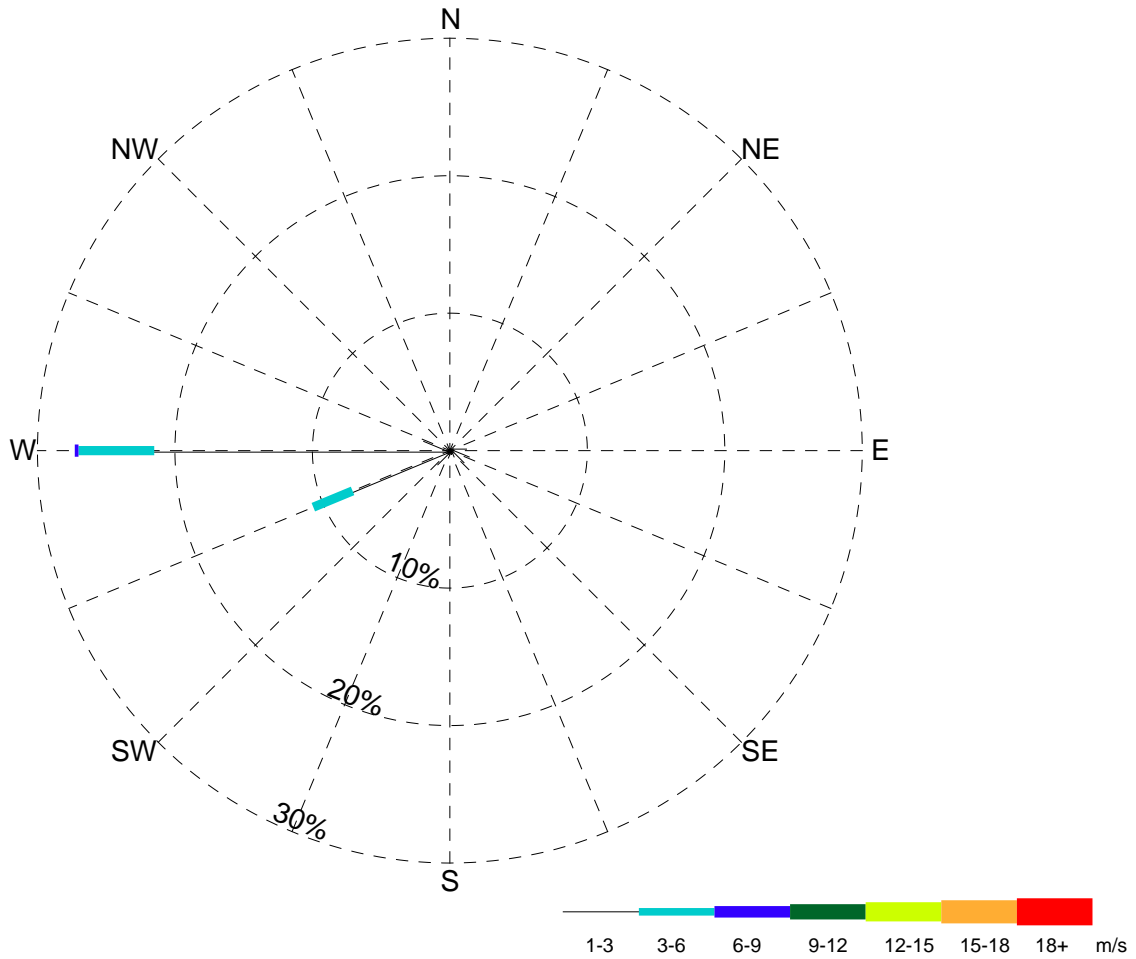
CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:


PREPARED FOR:


ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, July 2007

FIGURE NUMBER: **F-2.19**
 DATE: 20090727
 SCALE:
 AUTHOR: TM
 APPROVED BY: JAS
 PROJECTION:
 DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	2.02	-	-	-	-	-	-	2.02
W	-	21.50	5.51	0.27	-	-	-	-	27.28
WSW	-	7.66	3.09	-	-	-	-	-	10.75
SW	-	1.34	-	-	-	-	-	-	1.34
SSW	-	0.54	-	-	-	-	-	-	0.54
S	-	0.27	-	-	-	-	-	-	0.27
SSE	-	0.54	-	-	-	-	-	-	0.54
SE	-	1.34	-	-	-	-	-	-	1.34
ESE	-	1.48	-	-	-	-	-	-	1.48
E	-	1.21	-	-	-	-	-	-	1.21
Calm	53.23	-	-	-	-	-	-	-	53.23
Total (%)	53.23	37.90	8.60	0.27	-	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: Aug. 1, 2007
 End Date: Aug. 31, 2007
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS

PREPARED BY:

PREPARED FOR:

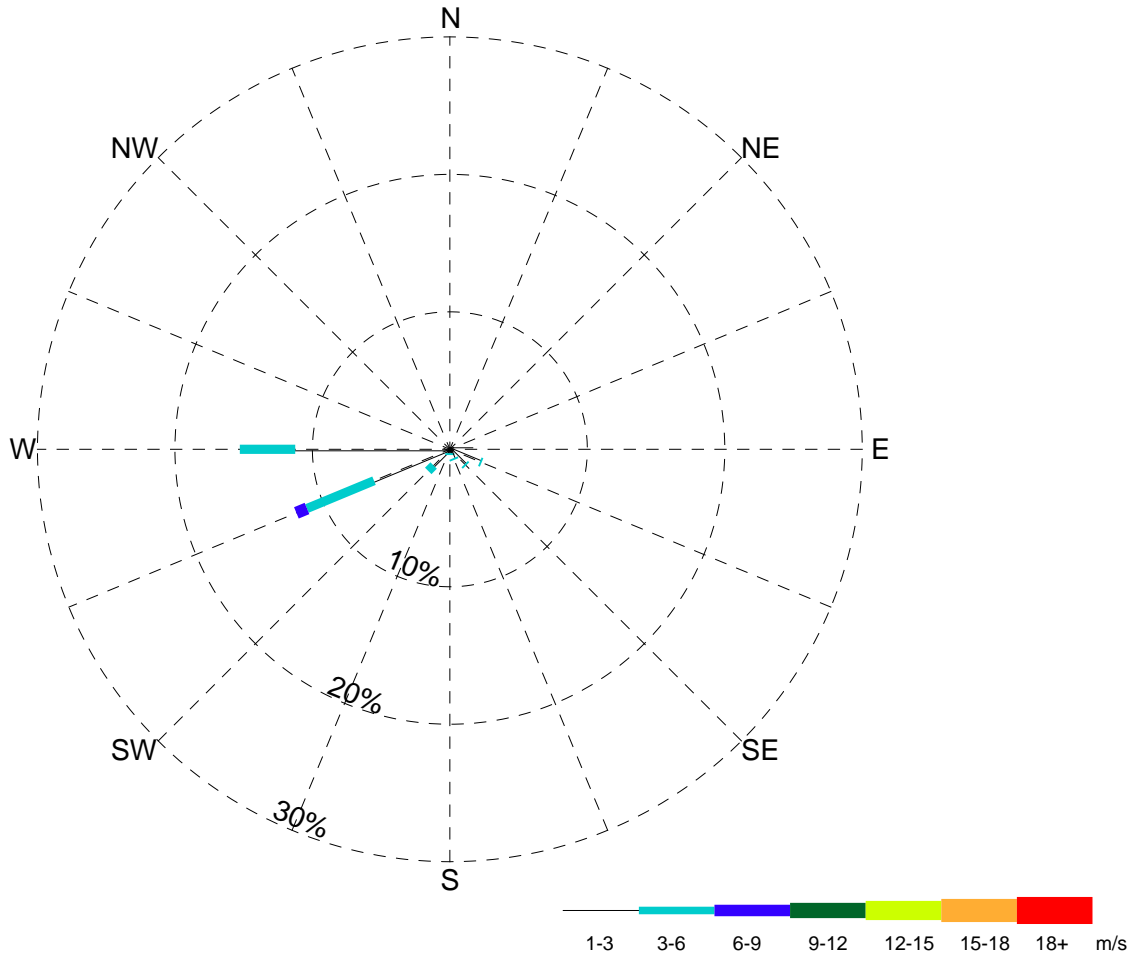
ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, August 2007

FIGURE NUMBER: **F-2.20** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 30 days
 Start Date: Sep. 1, 2007
 End Date: Sep. 30, 2007
 Comment:

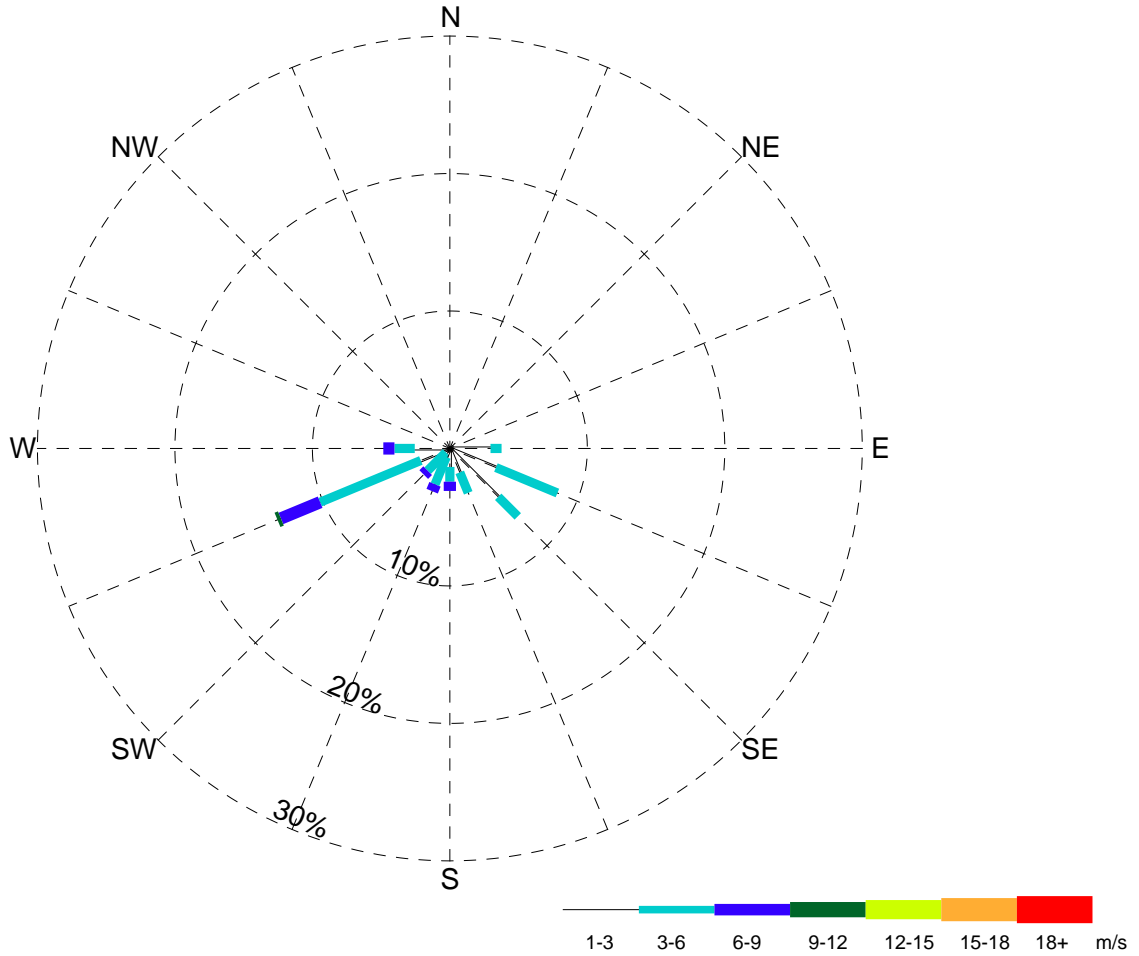
Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	0.42	-	-	-	-	-	-	0.42
W	-	11.25	4.03	-	-	-	-	-	15.28
WSW	-	5.97	5.28	0.83	-	-	-	-	12.08
SW	-	1.67	0.56	-	-	-	-	-	2.22
SSW	-	0.28	-	-	-	-	-	-	0.28
S	-	0.28	0.14	-	-	-	-	-	0.42
SSE	-	0.69	0.14	-	-	-	-	-	0.83
SE	-	1.53	0.14	-	-	-	-	-	1.67
ESE	-	2.36	0.14	-	-	-	-	-	2.50
E	-	1.67	-	-	-	-	-	-	1.67
Calm	62.64	-	-	-	-	-	-	-	62.64
Total (%)	62.64	26.11	10.42	0.83	-	-	-	-	100.00

CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:


ENBRIDGE NORTHERN GATEWAY PROJECT
 Wright Sound Wind Rose, September 2007

FIGURE NUMBER: **F-2.21**
 DATE: 20090727
 SCALE:
 AUTHOR: TM
 APPROVED BY: JAS
 PROJECTION:
 DATUM:



Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: Oct. 1, 2007
 End Date: Oct. 31, 2007
 Comment:

Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	0.27	-	-	-	-	-	-	0.27
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	-	-	-	-	-	-	-	-
W	-	2.55	1.48	0.81	-	-	-	-	4.84
WSW	-	2.29	7.93	3.09	0.27	-	-	-	13.57
SW	-	0.40	1.88	0.40	-	-	-	-	2.69
SSW	-	0.67	2.15	0.54	-	-	-	-	3.36
S	-	1.34	1.08	0.67	-	-	-	-	3.09
SSE	-	1.88	1.61	-	-	-	-	-	3.49
SE	-	4.97	2.02	-	-	-	-	-	6.99
ESE	-	3.63	4.84	-	-	-	-	-	8.47
E	-	2.96	0.81	-	-	-	-	-	3.76
Calm	49.46	-	-	-	-	-	-	-	49.46
Total (%)	49.46	20.97	23.79	5.51	0.27	-	-	-	100.00

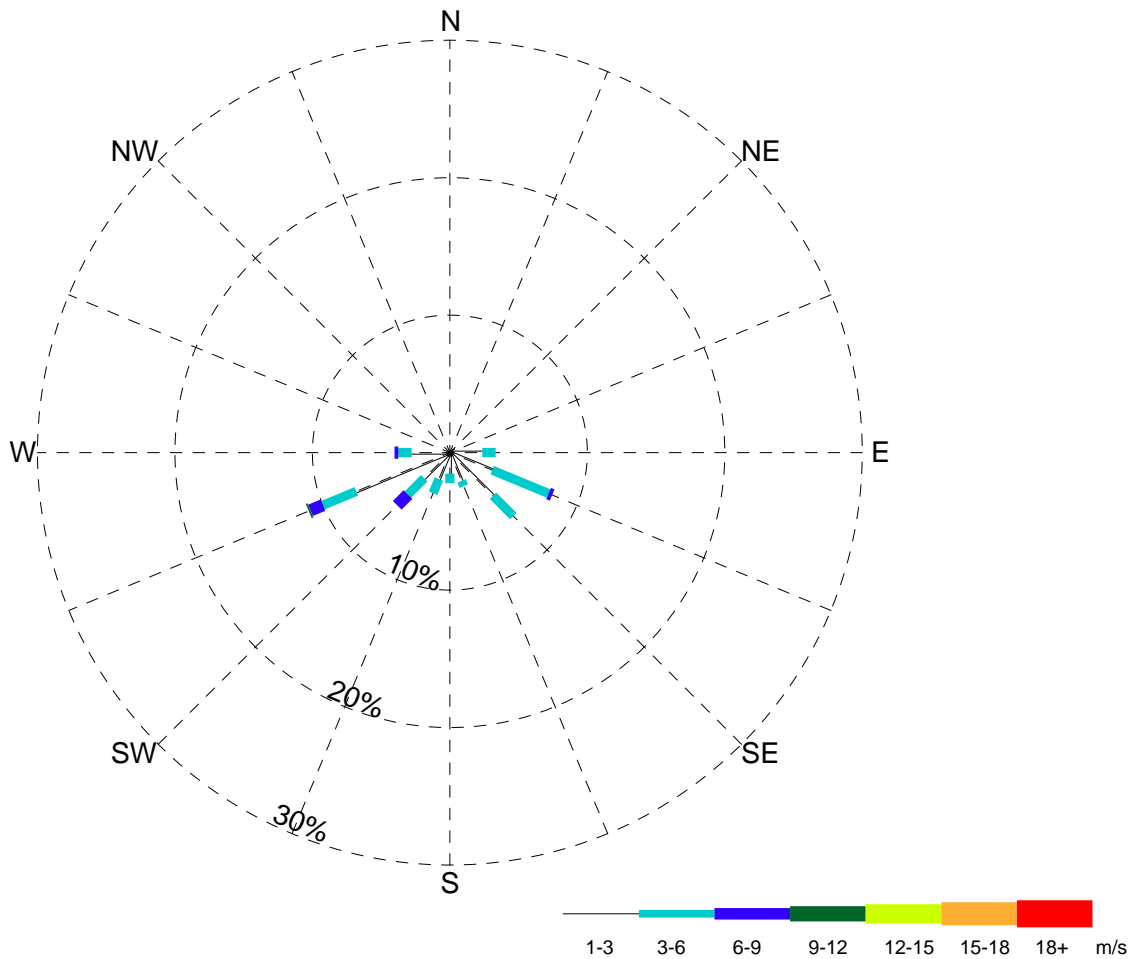
CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:


PREPARED FOR:


ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, October 2007

FIGURE NUMBER: **F-2.22** DATE: 20090727
 SCALE: AUTHOR: TM APPROVED BY: JAS
 PROJECTION: DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	0.42	-	-	-	-	-	-	0.42
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	0.14	-	-	-	-	-	-	0.14
W	-	2.78	0.97	0.28	-	-	-	-	4.03
WSW	-	7.36	2.64	0.97	0.14	-	-	-	11.11
SW	-	2.64	1.67	1.11	-	-	-	-	5.42
SSW	-	2.08	1.11	-	-	-	-	-	3.19
S	-	1.53	0.69	-	-	-	-	-	2.22
SSE	-	2.22	0.42	-	-	-	-	-	2.64
SE	-	4.44	2.08	-	-	-	-	-	6.53
ESE	-	3.33	4.44	0.28	-	-	-	-	8.06
E	-	2.36	0.97	-	-	-	-	-	3.33
Calm	52.92	-	-	-	-	-	-	-	52.92
Total (%)	52.92	29.31	15.00	2.64	0.14	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 30 days
 Start Date: Nov. 1, 2007
 End Date: Nov. 30, 2007
 Comment:

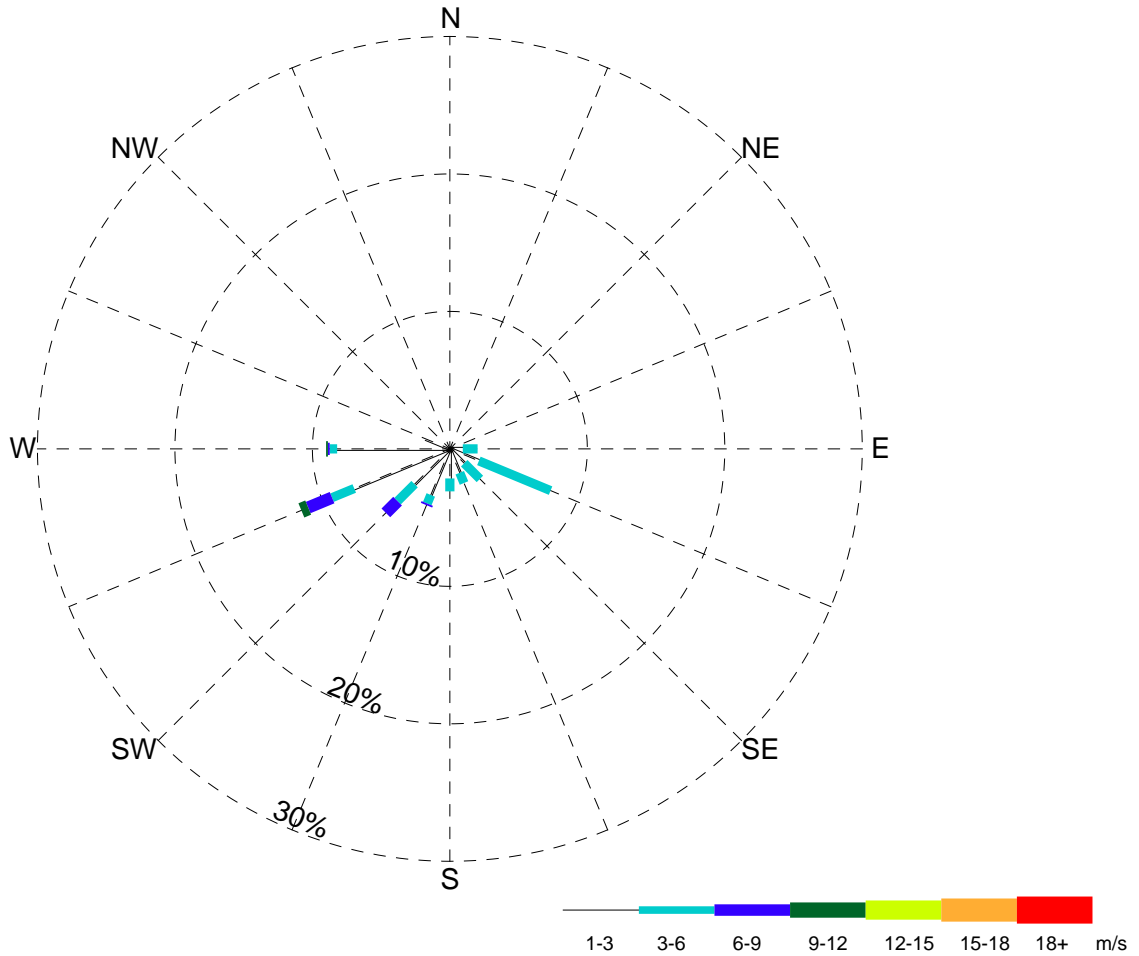
CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:


PREPARED FOR:


ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, November 2007

FIGURE NUMBER: **F-2.23**
 DATE: 20090727
 SCALE:
 AUTHOR: TM
 APPROVED BY: JAS
 PROJECTION:
 DATUM:



Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: Dec. 1, 2007
 End Date: Dec. 31, 2007
 Comment:

Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)							Total (%)	
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s		18+ m/s
ENE	-	0.13	-	-	-	-	-	-	0.13
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	1.88	-	-	-	-	-	-	1.88
W	-	8.20	0.54	0.13	0.13	-	-	-	9.01
WSW	-	7.53	1.75	1.88	0.54	-	-	-	11.69
SW	-	3.63	1.75	1.21	-	-	-	-	6.59
SSW	-	3.63	0.67	0.13	-	-	-	-	4.43
S	-	2.15	0.94	-	-	-	-	-	3.09
SSE	-	1.88	0.81	-	-	-	-	-	2.69
SE	-	1.48	1.61	-	-	-	-	-	3.09
ESE	-	2.29	5.64	-	-	-	-	-	7.93
E	-	0.94	1.08	-	-	-	-	-	2.02
Calm	47.45	-	-	-	-	-	-	-	47.45
Total (%)	47.45	33.74	14.78	3.36	0.67	-	-	-	100.00

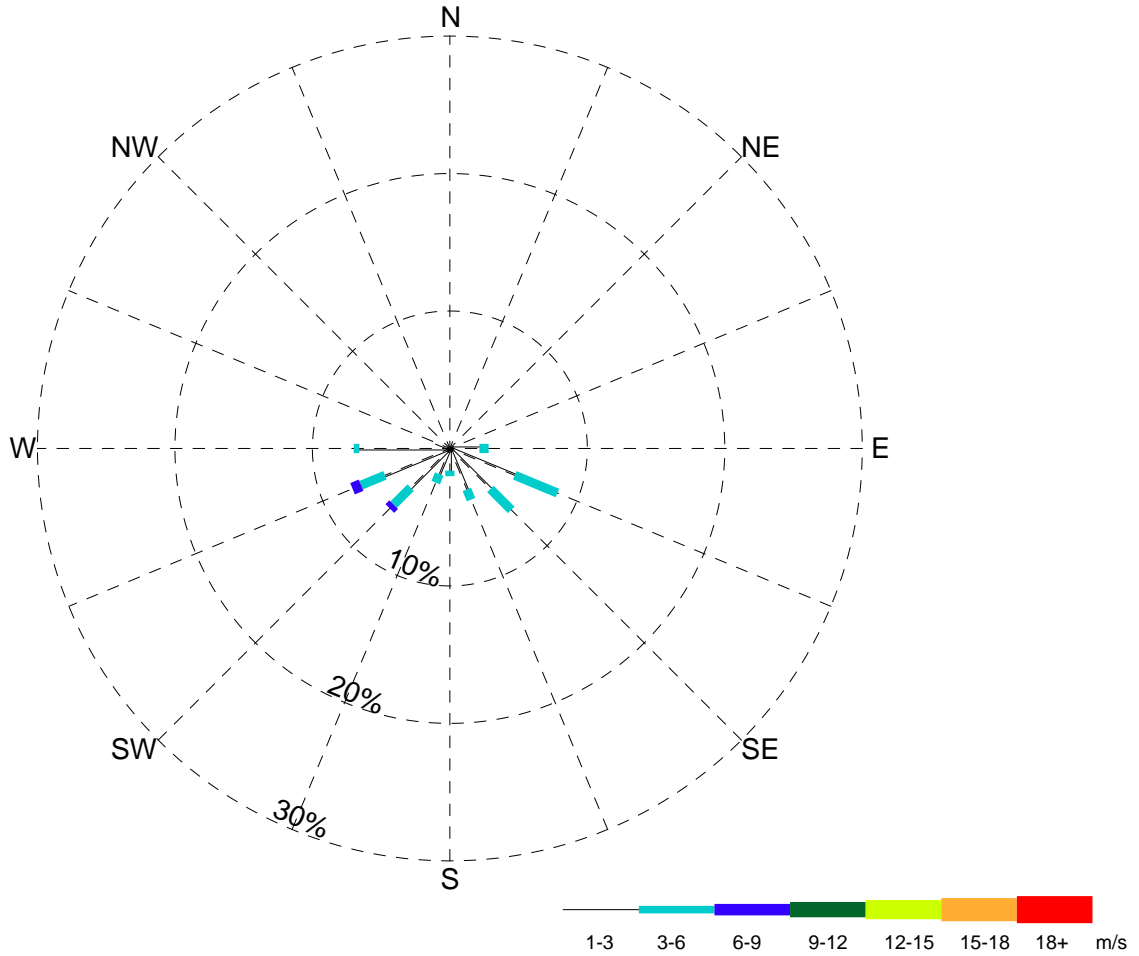
CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:


PREPARED FOR:


ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, December 2007

FIGURE NUMBER: **F-2.24**
 DATE: 20090727
 SCALE:
 AUTHOR: TM
 APPROVED BY: JAS
 PROJECTION:
 DATUM:



Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 31 days
 Start Date: Jan. 1, 2008
 End Date: Jan. 31, 2008
 Comment:

Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	1.08	-	-	-	-	-	-	1.08
W	-	6.59	0.40	-	-	-	-	-	6.99
WSW	-	5.11	1.88	0.67	-	-	-	-	7.66
SW	-	4.03	1.75	0.40	-	-	-	-	6.18
SSW	-	2.02	0.67	-	-	-	-	-	2.69
S	-	1.61	0.40	-	-	-	-	-	2.02
SSE	-	3.23	0.81	-	-	-	-	-	4.03
SE	-	4.17	2.15	-	-	-	-	-	6.32
ESE	-	5.11	3.36	-	-	-	-	-	8.47
E	-	2.15	0.67	-	-	-	-	-	2.82
Calm	51.75	-	-	-	-	-	-	-	51.75
Total (%)	51.75	35.08	12.10	1.08	-	-	-	-	100.00

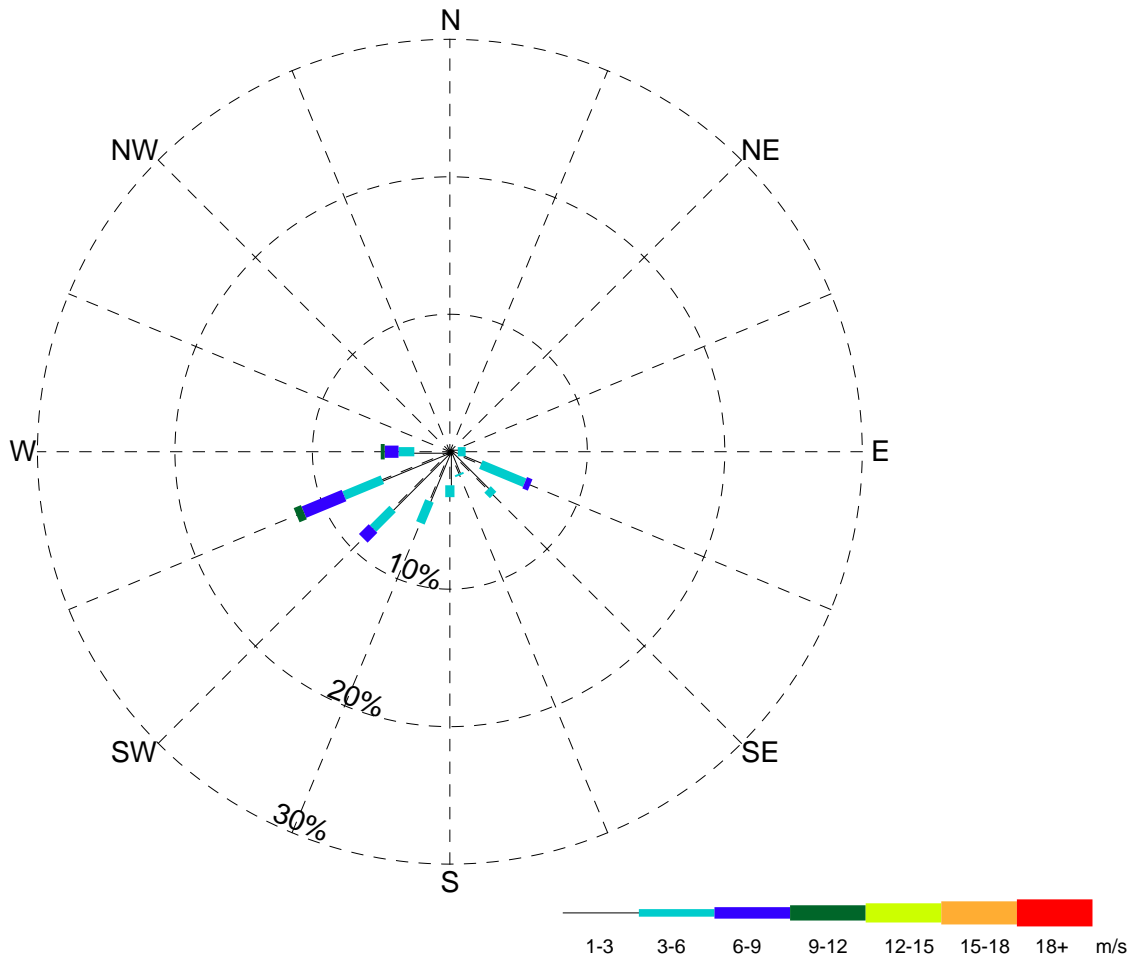
CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:


PREPARED FOR:


ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, January 2008

FIGURE NUMBER: **F-2.25**
 DATE: 20090727
 SCALE:
 AUTHOR: TM
 APPROVED BY: JAS
 PROJECTION:
 DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	0.14	-	-	-	-	-	-	0.14
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	-	-	-	-	-	-	-	-
W	-	2.59	1.15	1.01	0.29	-	-	-	5.03
WSW	-	5.32	3.02	3.16	0.57	-	-	-	12.07
SW	-	5.89	2.01	1.01	-	-	-	-	8.91
SSW	-	3.88	1.72	-	-	-	-	-	5.60
S	-	2.44	0.86	-	-	-	-	-	3.31
SSE	-	1.72	0.14	-	-	-	-	-	1.87
SE	-	3.88	0.57	-	-	-	-	-	4.45
ESE	-	2.44	3.45	0.43	-	-	-	-	6.32
E	-	0.57	0.57	-	-	-	-	-	1.15
Calm	51.15	-	-	-	-	-	-	-	51.15
Total (%)	51.15	28.88	13.51	5.60	0.86	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 29 days
 Start Date: Feb. 1, 2008
 End Date: Feb. 29, 2008
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS

PREPARED BY:


PREPARED FOR:

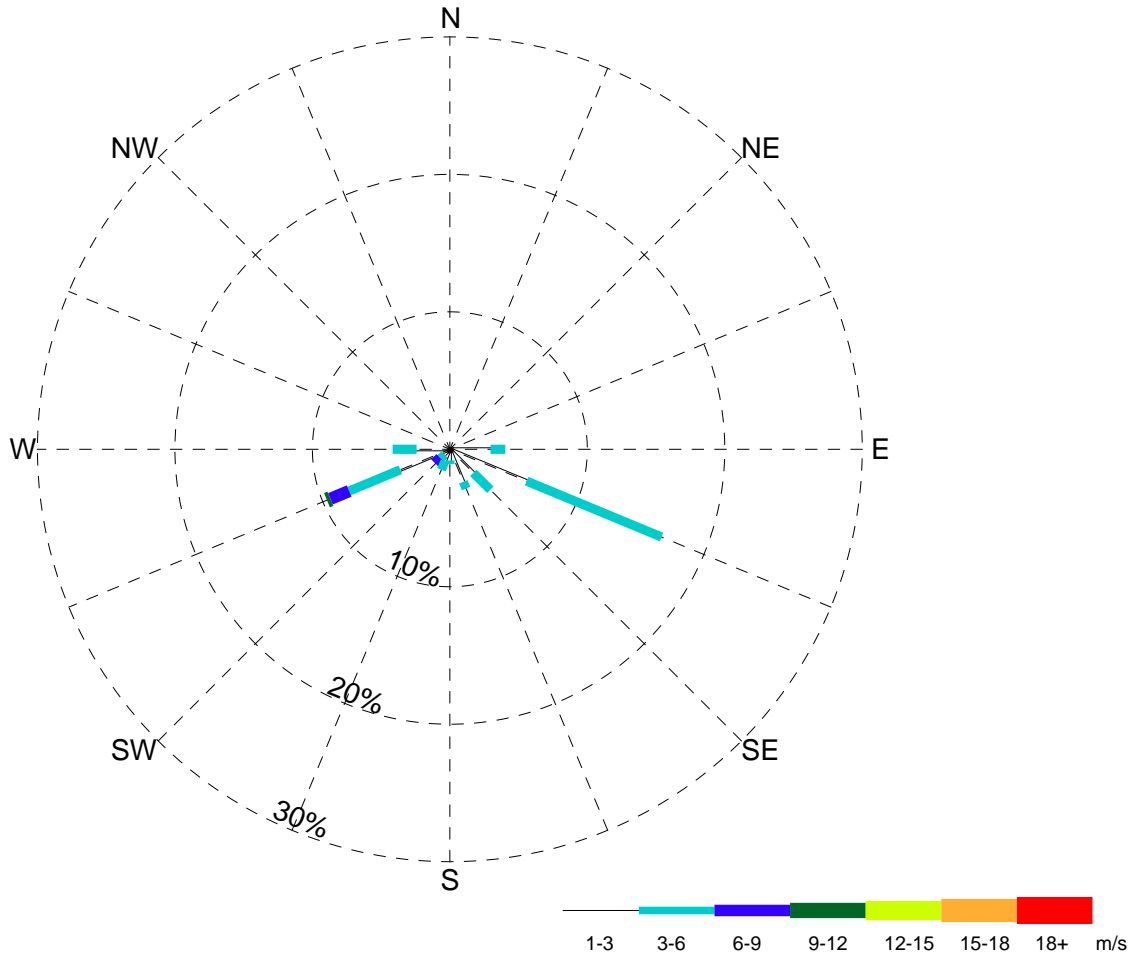

ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, February 2008

FIGURE NUMBER: **F-2.26** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM:



Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Tower height: 10 m
 Record length: 31 days
 Start Date: Mar. 1, 2008
 End Date: Mar. 31, 2008
 Comment:

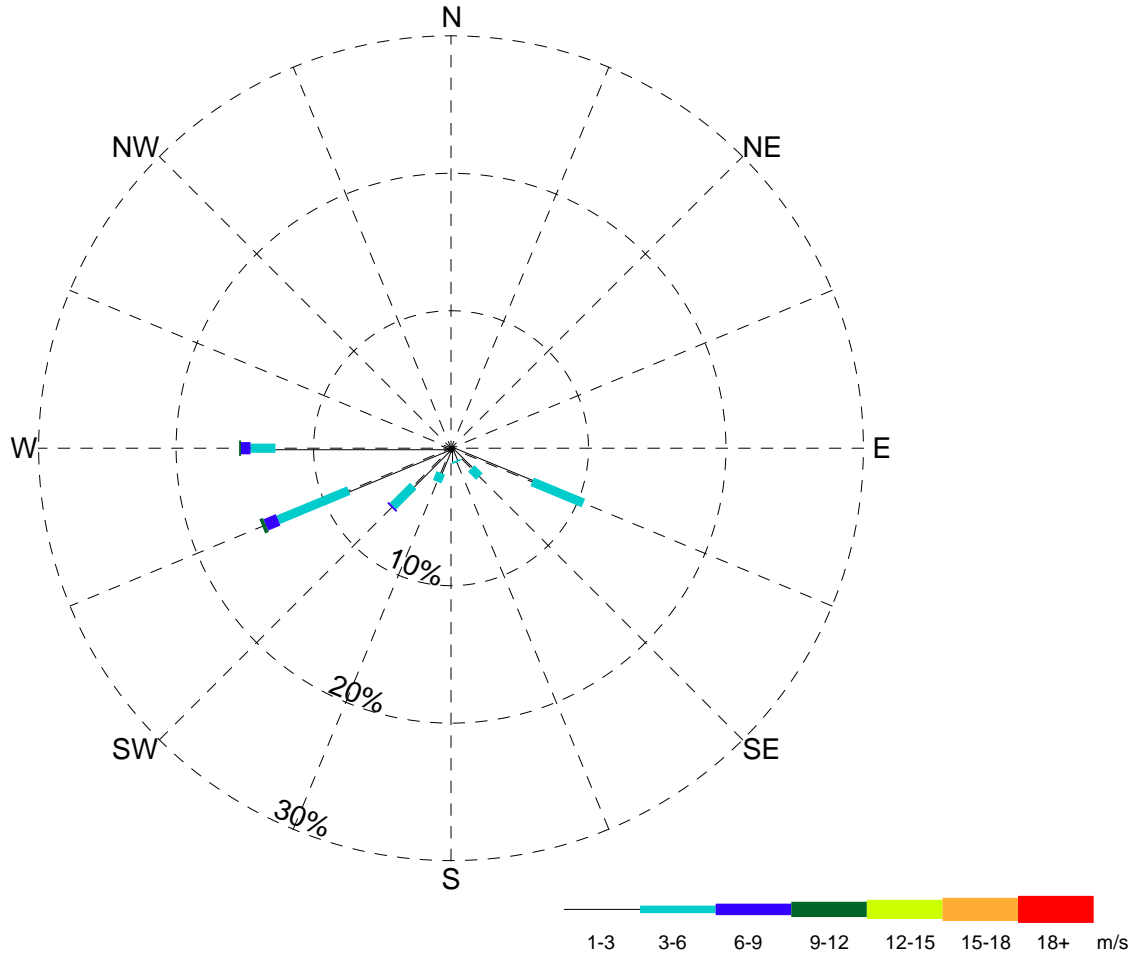
Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	0.13	-	-	-	-	-	-	0.13
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	-	-	-	-	-	-	-	-
W	-	2.42	1.75	-	-	-	-	-	4.17
WSW	-	3.90	4.03	1.48	0.27	-	-	-	9.68
SW	-	0.54	0.40	0.54	-	-	-	-	1.48
SSW	-	0.94	0.67	-	-	-	-	-	1.61
S	-	0.81	0.27	-	-	-	-	-	1.08
SSE	-	2.55	0.54	-	-	-	-	-	3.09
SE	-	2.42	1.75	-	-	-	-	-	4.17
ESE	-	6.05	10.62	-	-	-	-	-	16.67
E	-	2.96	1.08	-	-	-	-	-	4.03
Calm	53.90	-	-	-	-	-	-	-	53.90
Total (%)	53.90	22.72	21.10	2.02	0.27	-	-	-	100.00

CONTRACTOR:
 HAY & COMPANY CONSULTANTS
 PREPARED BY:


ENBRIDGE NORTHERN GATEWAY PROJECT
 Wright Sound Wind Rose, March 2008

FIGURE NUMBER: **F-2.27**
 DATE: 20090727
 SCALE:
 AUTHOR: TM
 APPROVED BY: JAS
 PROJECTION:
 DATUM:



Wind Speed & Direction Frequency Distribution Table

Direction	Percent Occurrence (%)								Total (%)
	0-1 m/s	1-3 m/s	3-6 m/s	6-9 m/s	9-12 m/s	12-15 m/s	15-18 m/s	18+ m/s	
ENE	-	-	-	-	-	-	-	-	-
NE	-	-	-	-	-	-	-	-	-
NNE	-	-	-	-	-	-	-	-	-
N	-	-	-	-	-	-	-	-	-
NNW	-	-	-	-	-	-	-	-	-
NW	-	-	-	-	-	-	-	-	-
WNW	-	0.69	-	-	-	-	-	-	0.69
W	-	12.78	1.81	0.69	0.14	-	-	-	15.42
WSW	-	8.06	5.56	0.97	0.28	-	-	-	14.86
SW	-	3.89	2.08	0.14	-	-	-	-	6.11
SSW	-	1.94	0.69	-	-	-	-	-	2.64
S	-	0.97	-	-	-	-	-	-	0.97
SSE	-	0.97	0.14	-	-	-	-	-	1.11
SE	-	2.08	0.83	-	-	-	-	-	2.92
ESE	-	6.39	4.03	-	-	-	-	-	10.42
E	-	0.42	-	-	-	-	-	-	0.42
Calm	44.44	-	-	-	-	-	-	-	44.44
Total (%)	44.44	38.19	15.14	1.81	0.42	-	-	-	100.00

Station Name: Wright Sound
 NAD 27 Location:
 N53° 21' 22.9" W129° 13' 42.4"
 Elev. above SL: 5 m
 Tower height: 10 m
 Record length: 30 days
 Start Date: Apr. 1, 2008
 End Date: Apr. 30, 2008
 Comment:

CONTRACTOR:
 HAY & COMPANY CONSULTANTS

PREPARED BY:

PREPARED FOR:

ENBRIDGE NORTHERN GATEWAY PROJECT

Wright Sound Wind Rose, April 2008

FIGURE NUMBER: **F-2.28** DATE: 20090727

SCALE: AUTHOR: TM APPROVED BY: JAS

PROJECTION: DATUM: