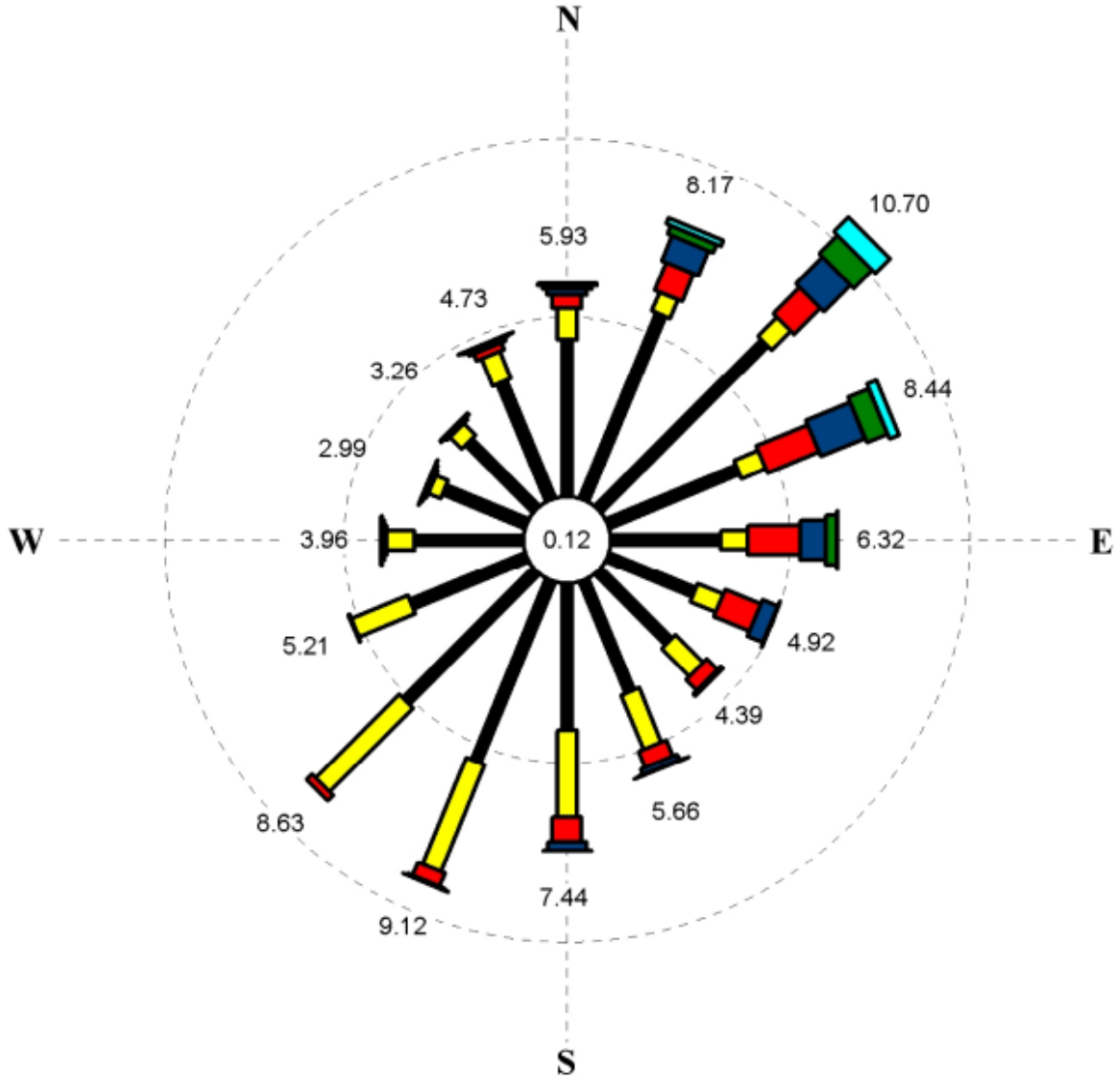


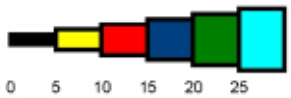


Wind Speed ( Miles Per Hour)

Calms included at center.
Rings drawn at 5% intervals.
Wind flow is TO the directions shown.
No observations were missing.

PERCENT OCCURRENCE: Wind Speed ( Miles Per Hour)
LOWER BOUND OF CATEGORY

| DIR | 0 | 5 | 10 | 15 | 20 | 25 |
|---|---|---|---|---|---|---|
| N | 4.37 | 0.88 | 0.36 | 0.16 | 0.10 | 0.06 |
| NNE | 5.60 | 0.57 | 0.83 | 0.75 | 0.23 | 0.19 |
| NE | 6.57 | 0.75 | 1.04 | 1.05 | 0.73 | 0.56 |
| ENE | 3.93 | 0.72 | 1.56 | 1.33 | 0.63 | 0.29 |
| E | 3.07 | 0.74 | 1.48 | 0.72 | 0.31 | 0.01 |
| ESE | 2.60 | 0.77 | 1.07 | 0.46 | 0.01 | 0.00 |
| SE | 2.78 | 1.09 | 0.42 | 0.09 | 0.00 | 0.00 |
| SSE | 3.35 | 1.64 | 0.48 | 0.17 | 0.02 | 0.01 |

TOTAL OBS = 14709 MISSING OBS = 0

PERCENT OCCURRENCE: Wind Speed ( Miles Per Hour)
LOWER BOUND OF CATEGORY

| DIR | 0 | 5 | 10 | 15 | 20 | 25 |
|---|---|---|---|---|---|---|
| S | 4.09 | 2.42 | 0.68 | 0.24 | 0.01 | 0.00 |
| SSW | 5.45 | 3.22 | 0.40 | 0.05 | 0.01 | 0.00 |
| SW | 5.13 | 3.28 | 0.21 | 0.00 | 0.00 | 0.00 |
| WSW | 3.48 | 1.70 | 0.03 | 0.00 | 0.00 | 0.00 |
| W | 3.03 | 0.78 | 0.06 | 0.06 | 0.03 | 0.00 |
| WNW | 2.49 | 0.37 | 0.05 | 0.07 | 0.01 | 0.00 |
| NW | 2.66 | 0.47 | 0.07 | 0.05 | 0.00 | 0.00 |
| NNW | 3.56 | 0.82 | 0.22 | 0.10 | 0.04 | 0.01 |

CALM OBS = 18 PERCENT CALM = 0.12

integral consulting inc.

BROWN AND CALDWELL

Date: August 2008

Atlantic Richfield Company

Project: 134544

**Figure 1-4**

**PW-06/AM-6 Wind Rose, Monitoring Events 1 Through 163**

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