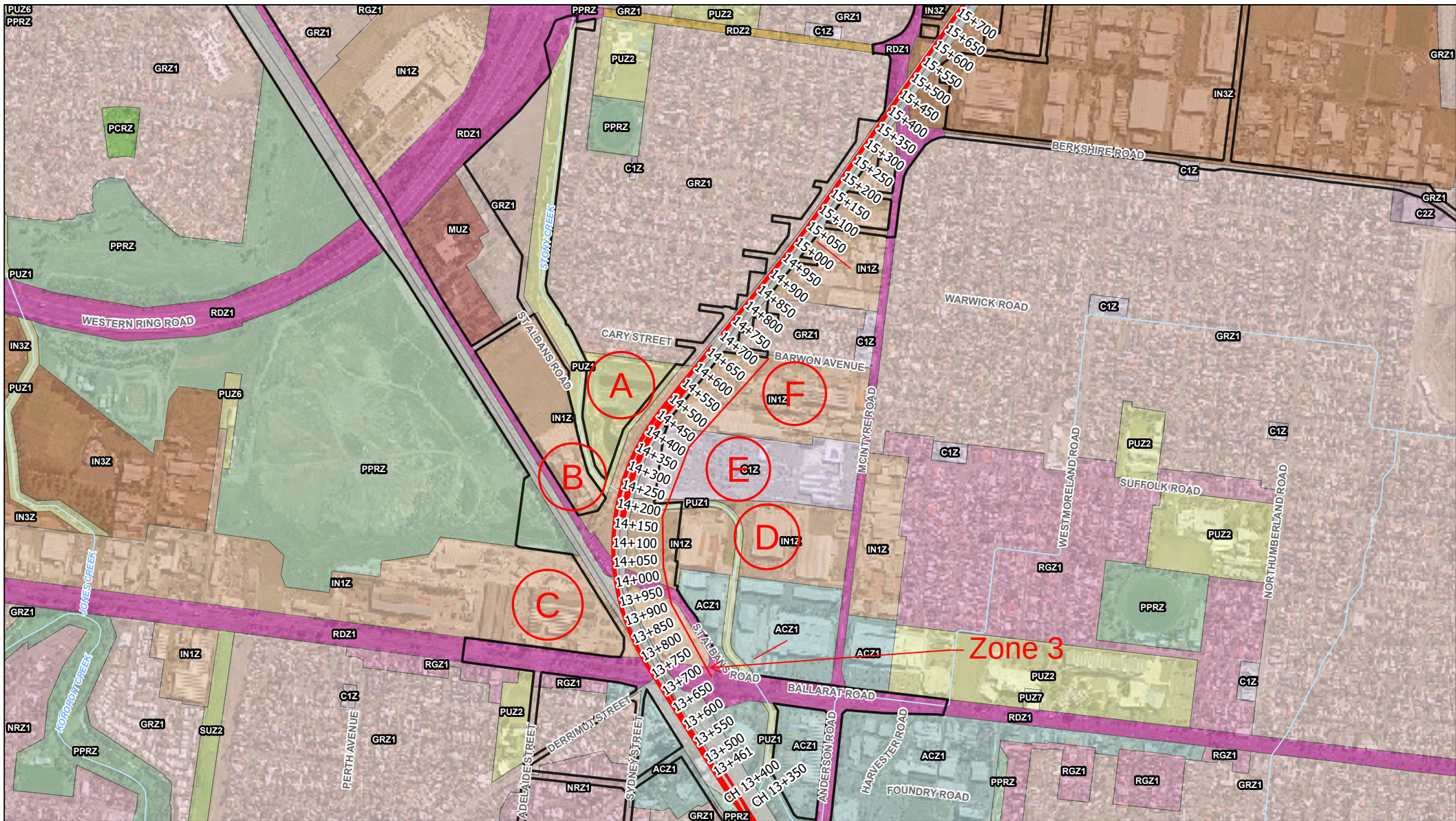


APPENDIX K

MAR VIADUCT ZONE 3



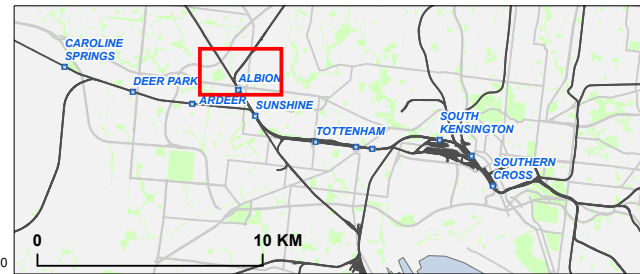


- Rail
 — Watercourse
 — MAR Alignment
 — Assessment Area
Planning Zone
 ACZ - Activity Centre Zone
 C1Z - Commercial 1 Zone
 C2Z - Commercial 2 Zone
 GRZ - General Residential Zone
 IN1Z - Industrial 1 Zone
 IN3Z - Industrial 3 Zone
 MUZ - Mixed Use Zone
 NRZ - Neighbourhood Residential Zone
 PCRZ - Public Conservation and Resource Zone
 PPRZ - Public Park and Recreation Zone
 PPUZ - Public Use Zone
 RDZ1 - Road Zone Category 1
 RDZ2 - Road Zone Category 2
 RGZ - Residential Growth Zone
 SUZ - Special Use Zone
 PPUZ4 - Public Use Zone Local Government
 PPUZ7 - Public Use Zone Other Public Use
 RDZ1 - Road Zone Category 1
 RDZ2 - Road Zone Category 2
 RGZ - Residential Growth Zone
 SUZ - Special Use Zone

1 of 1

Data Sources:
 AJMJV 2021
 VicTrack 2021
 Vicmap 2021
 Aerial photo: DELWP Nov. 2020

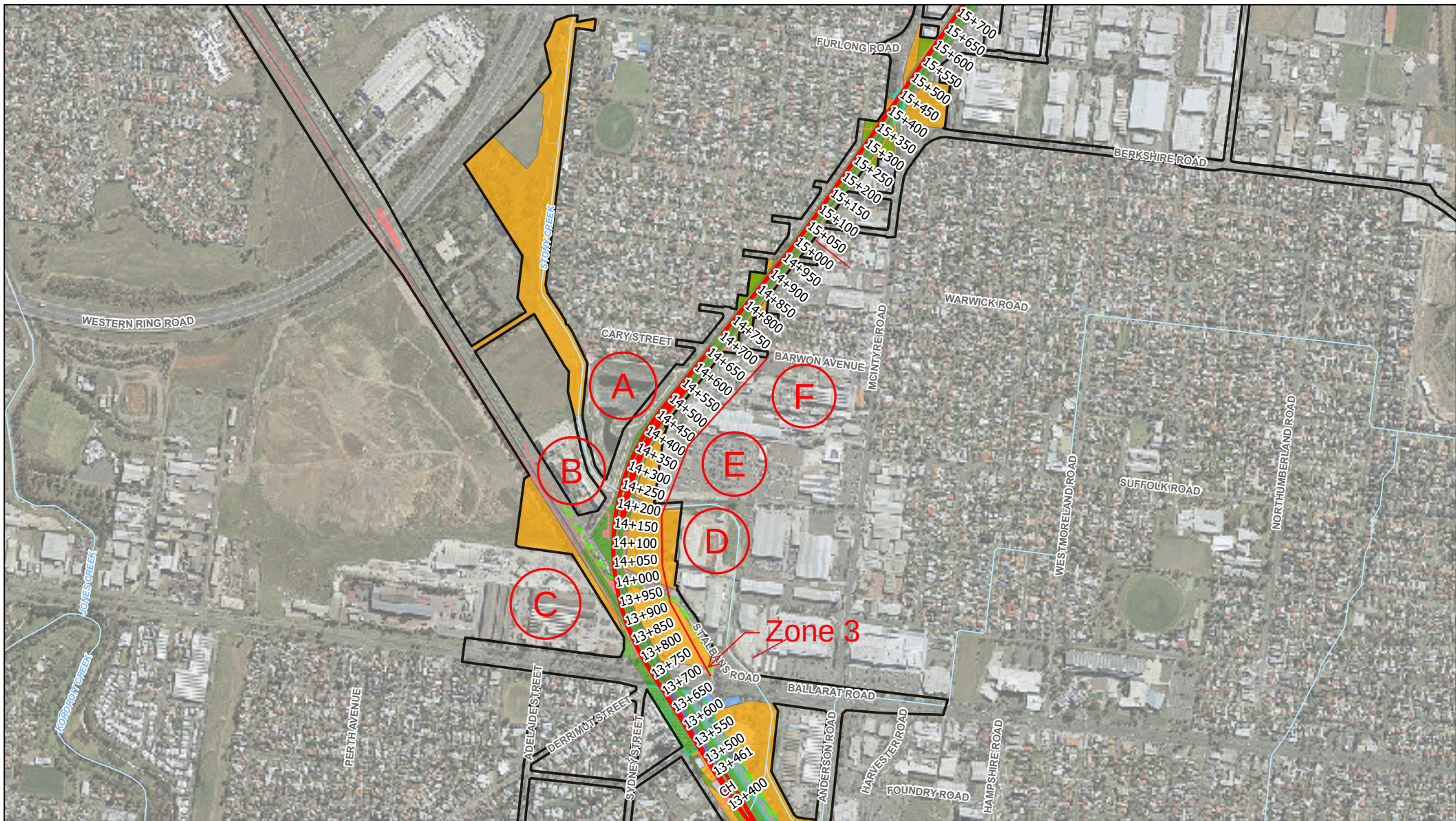
**Chainage: 22+ 400



Melbourne Airport Rail
MAR Viaduct Zone 3
 Existing Environment

Drawing Number:		Revision:	
MAR-AJM-PWD-PWD-MAP-XLP-MMN-0490525		A.1	
Drawn By:	Approved By:	Date:	Map Size:
J. Rivera	N. Marshallsea	6/09/2021	A3

0 260 520
 Metres
 Coordinate System: GDA 1994 MGA Zone 55



— Watercourse
— MAR Alignment
— Assessment Area

Assumed Impacts

- Bridge Strengthening
- Bus Interchange Modifications
- Maintenance Paths
- Station Forecourt and Car Park Modification
- Substation Modification
- Track and Civil
- Viaduct Alignment
- Shared User Path
- Works Site / Laydown Area

1 of 1

**Chainage: 22+ 400

Data Sources:
AJMJV 2021
VicTrack 2021
Vicmap 2021
Aerial photo: DELWP Nov. 2020

RAIL PROJECTS VICTORIA

AJM Joint Venture **MOTT MACDONALD**

**Melbourne Airport Rail
MAR Viaduct Zone 3**

Land Required for Project Construction

Drawing Number: MAR-AJM-PWD-PWD-MAP-XLP-MMN-0490526		Revision: A. 1	
Drawn By: J. Rivera	Approved By: N. Marshallsea	Date: 6/09/2021	Map Size: A3

0 260 520

Metres

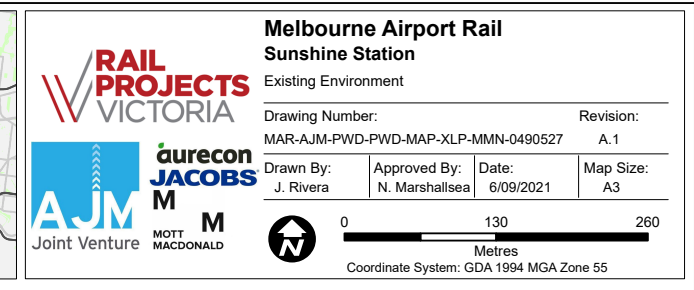
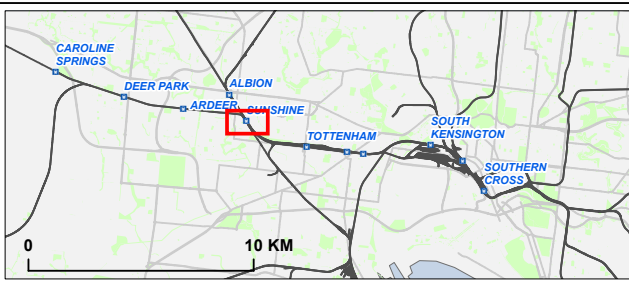
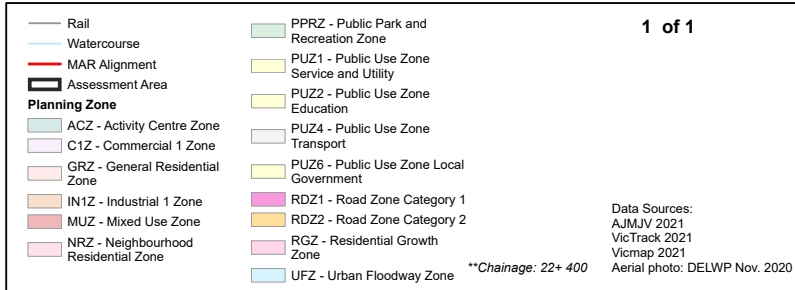
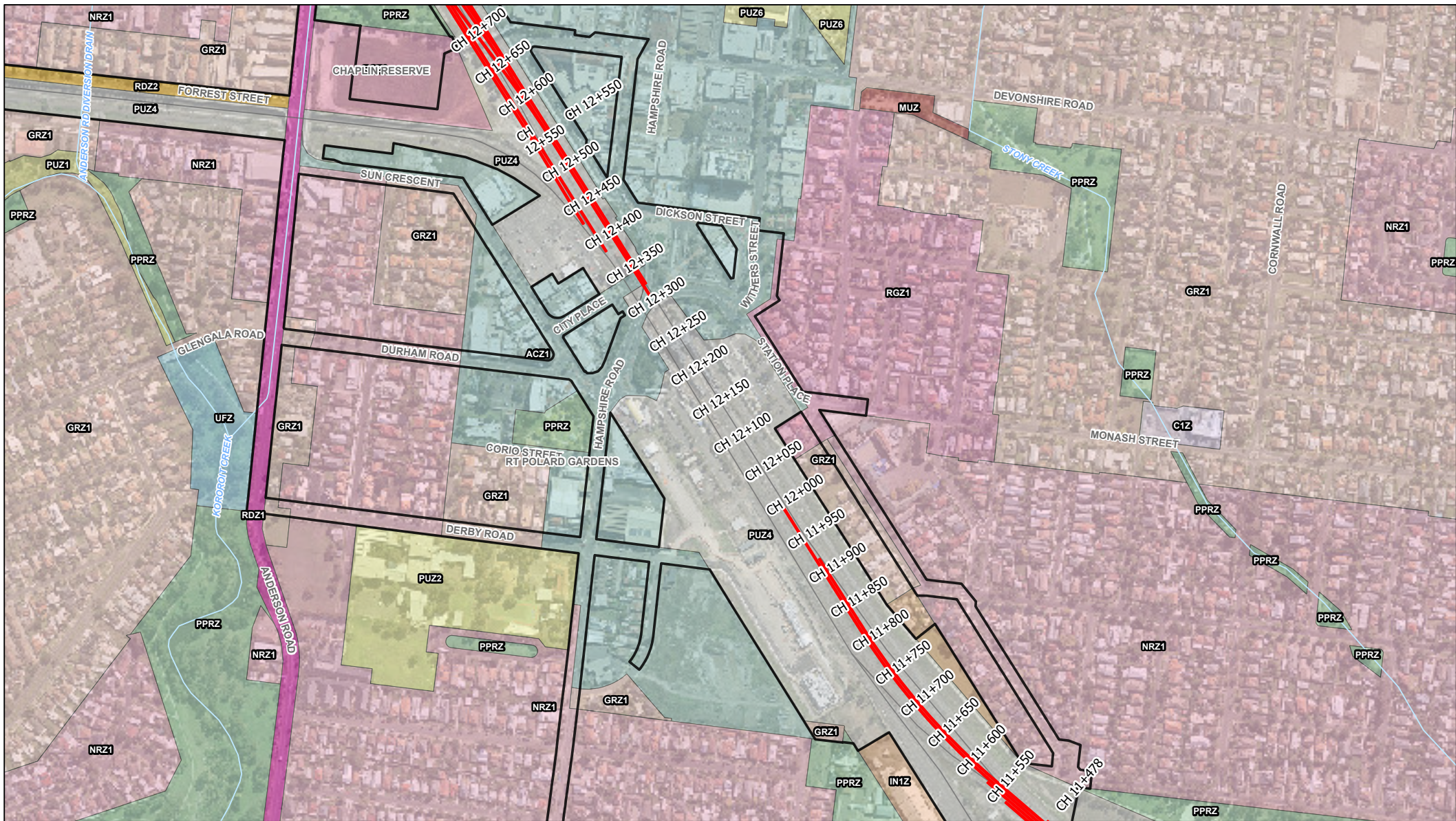
Coordinate System: GDA 1994 MGA Zone 55

C:\Users\Joe.Rivera\AJMJV\MAR GIS Team - Documents\640_Site_Plans\VRIP_0345_Planning_AirQualityApprovals\VRIP_0345_Planning_AirQualityApprovals.aprx

APPENDIX L

SUNSHINE STATION







- Watercourse
- MAR Alignment
- Assessment Area

Assumed Impacts

- Bus Interchange Modifications
- Car Park Modification
- Maintenance Paths
- Substation Modification
- Sunshine Station Modification
- Track and Civil
- Viaduct Alignment
- Works Site / Laydown Area

1 of 1

**Chainage: 22+ 400

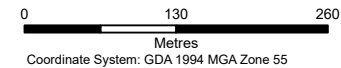
Data Sources:
AJMJV 2021
VicTrack 2021
Vicmap 2021
Aerial photo: DELWP Nov. 2020



Melbourne Airport Rail Sunshine Station

Land Required for Project Construction

Drawing Number:		Revision:	
MAR-AJM-PWD-PWD-MAP-XLP-MMN-0490528		A. 1	
Drawn By:	Approved By:	Date:	Map Size:
J. Rivera	N. Marshallsea	6/09/2021	A3



APPENDIX M

METEOROLOGICAL DATA

ANALYSIS FIGURES



Appendix D – Meteorological Data Analysis Figures.

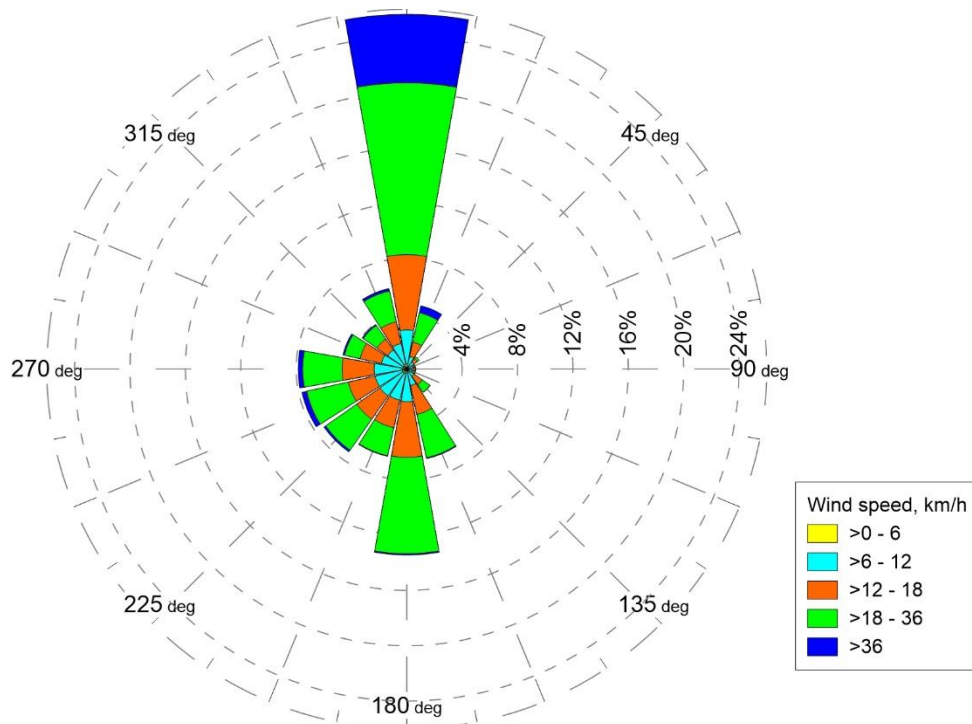


Figure D-1 Windrose for Melbourne Airport AWS showing hourly-average wind speed and direction for all hours, January 2011 – December 2020, data source – BOM.

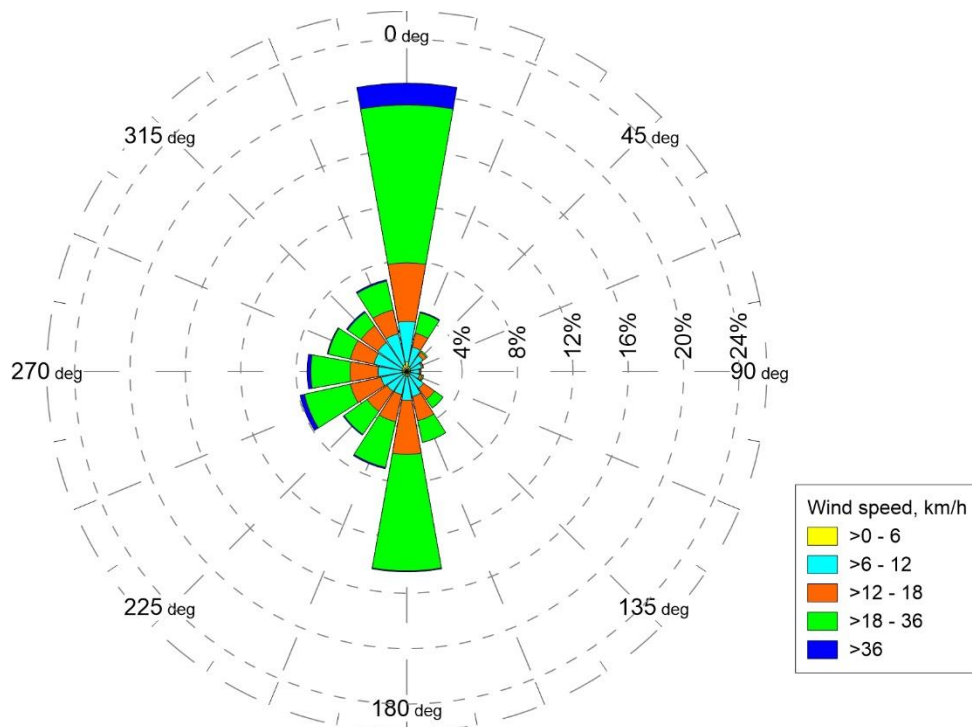


Figure D-2 Windrose for Essendon Airport AWS showing hourly-average wind speed and direction for all hours, January 2011 – December 2020, data source – BOM.

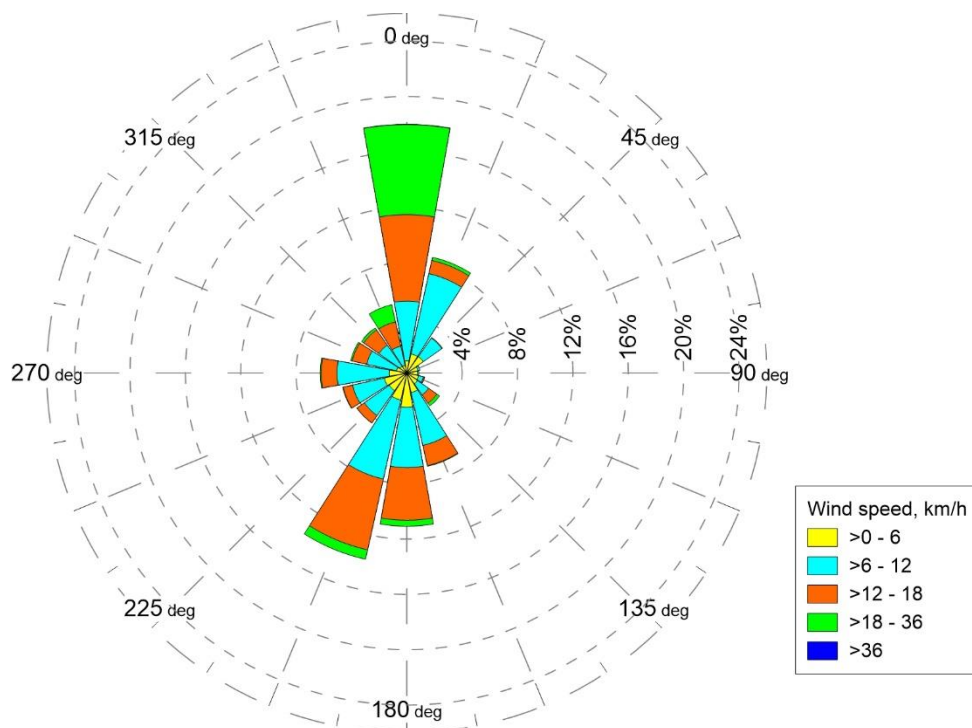


Figure D-3 Windrose for Olympic Park AWS showing hourly-average wind speed and direction for all hours, May 2013 – December 2020, data source – BOM.

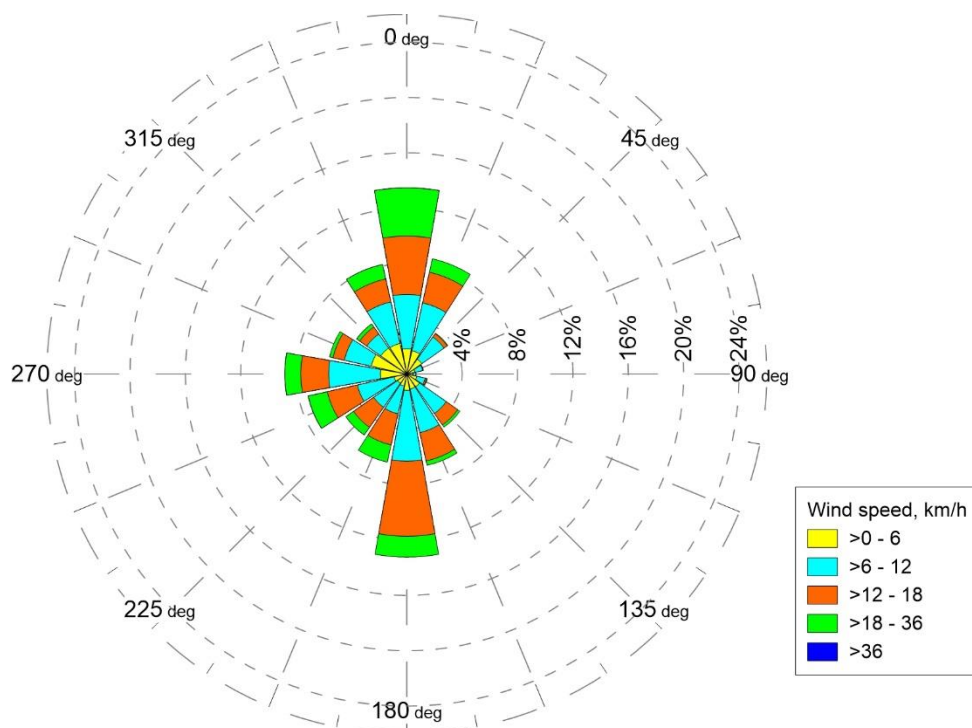


Figure D-4 Windrose for Footscray AWS showing hourly-average wind speed and direction for all hours, January 2011 – December 2020, data source – EPA.

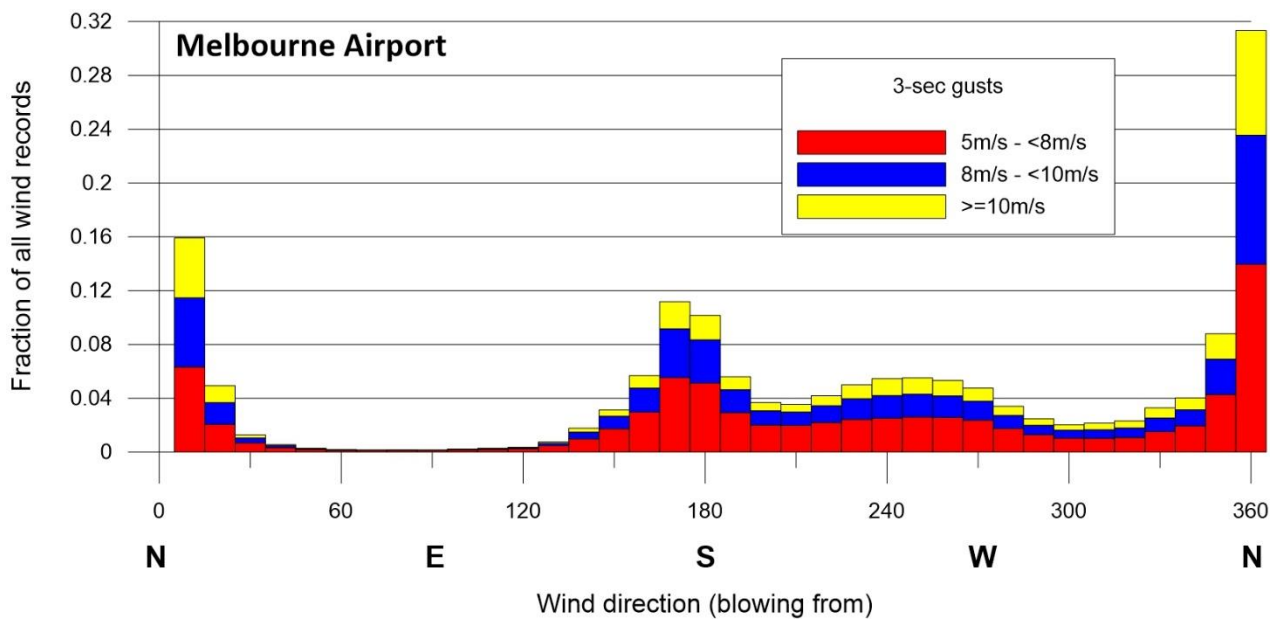


Figure D-5 Frequency of occurrence of gust wind speeds (maximum gust per hour) for the Melbourne Airport AWS as a function of wind direction for all hours, January 2011 – December 2020; data source – BOM.

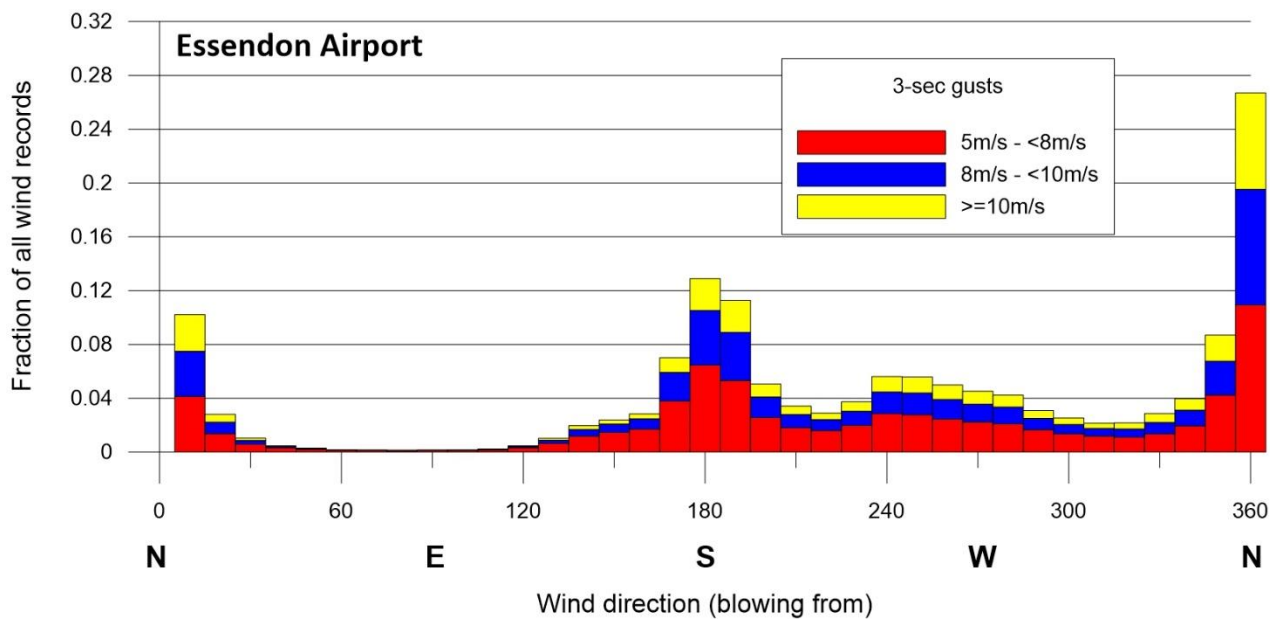


Figure D-6 Frequency of occurrence of gust wind speeds (maximum gust per hour) for the Essendon Airport AWS as a function of wind direction for all hours, January 2011 – December 2020; data source – BOM.

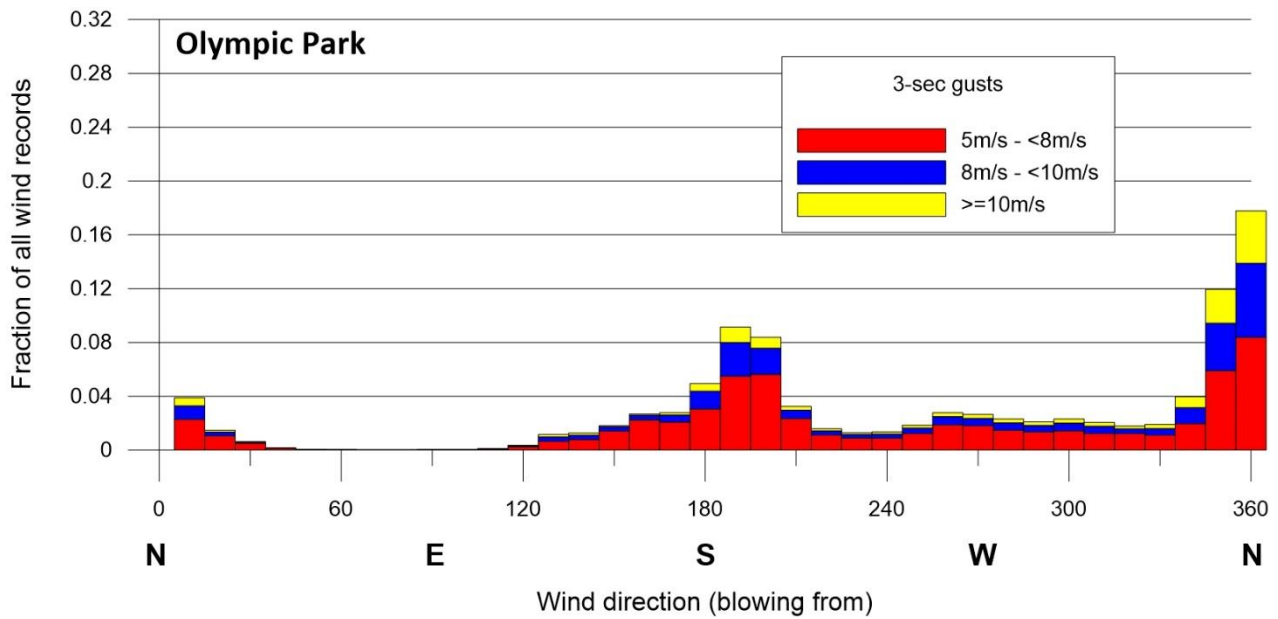


Figure D-7 Frequency of occurrence of gust wind speeds (maximum gust per hour) for the Olympic Park AWS as a function of wind direction for all hours, May 2013 – December 2020; data source – BOM.



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