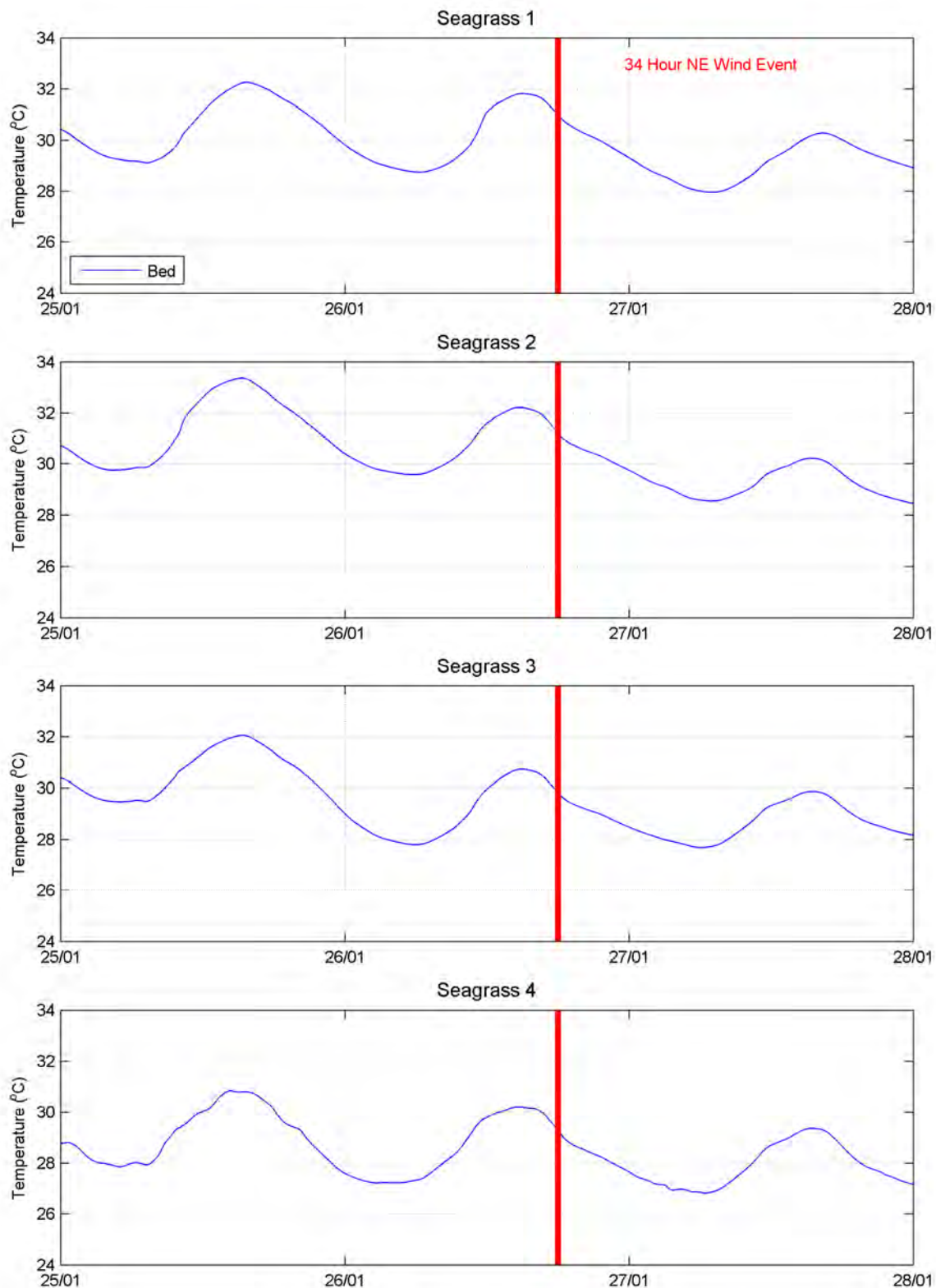
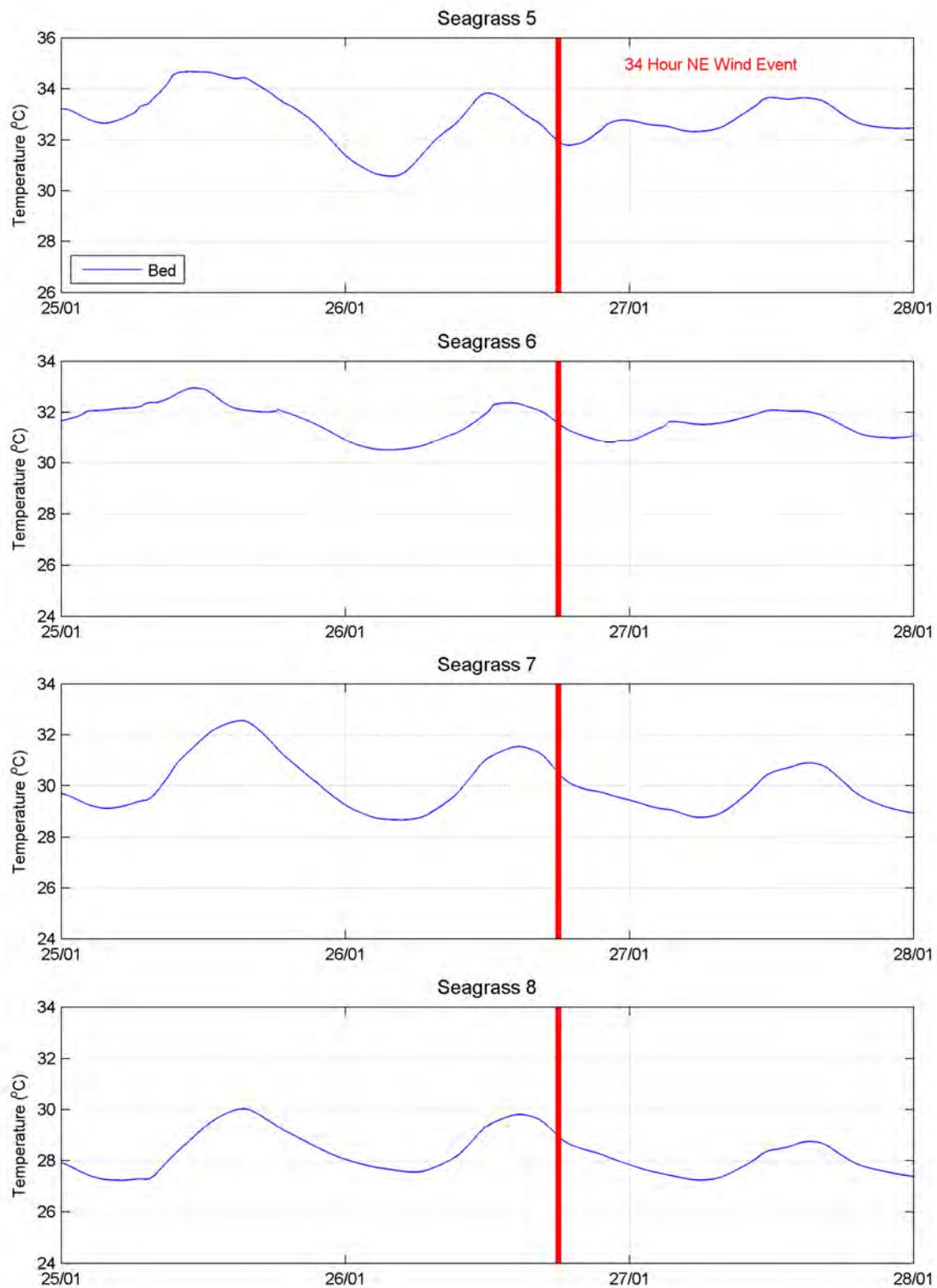
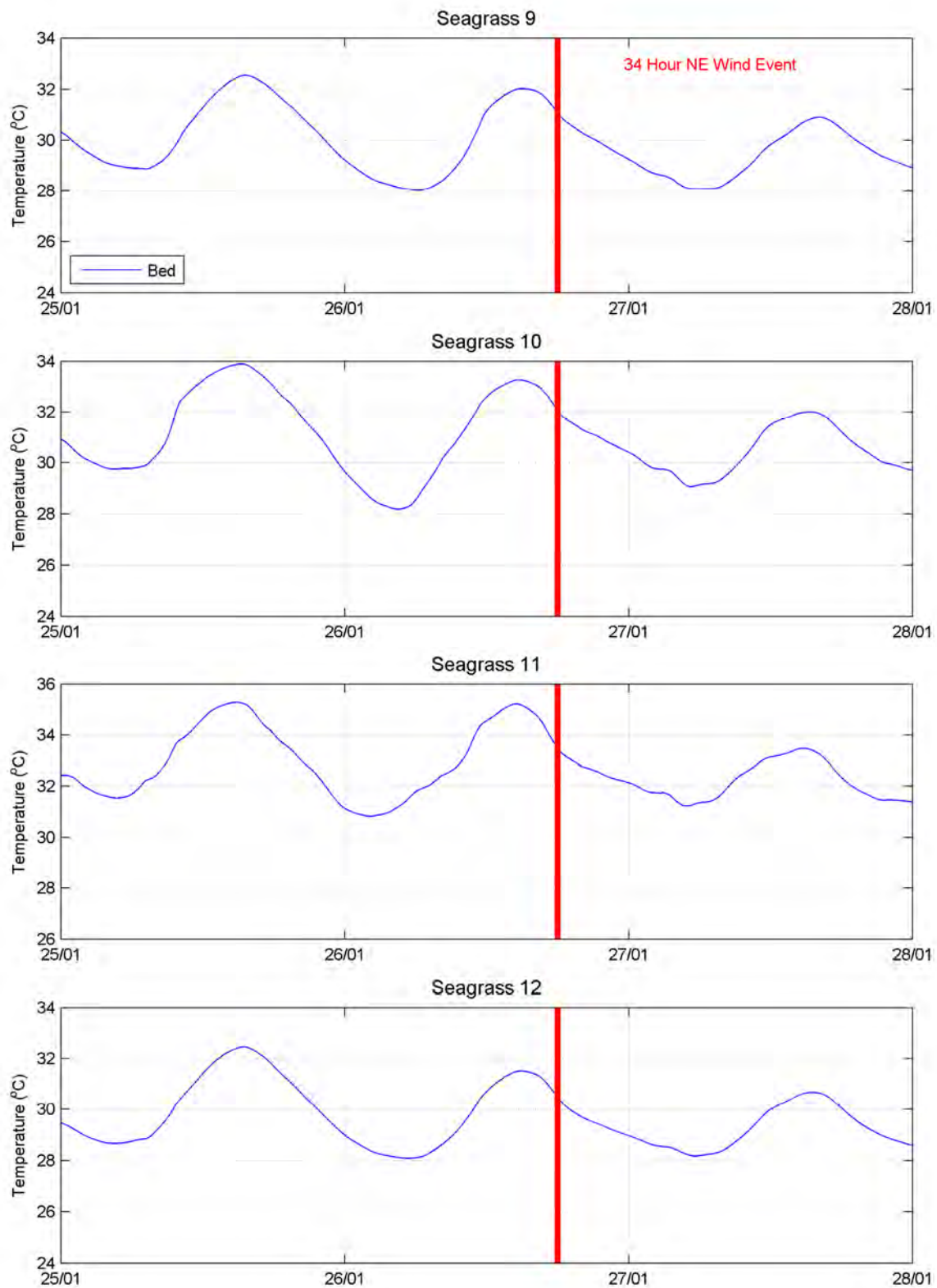
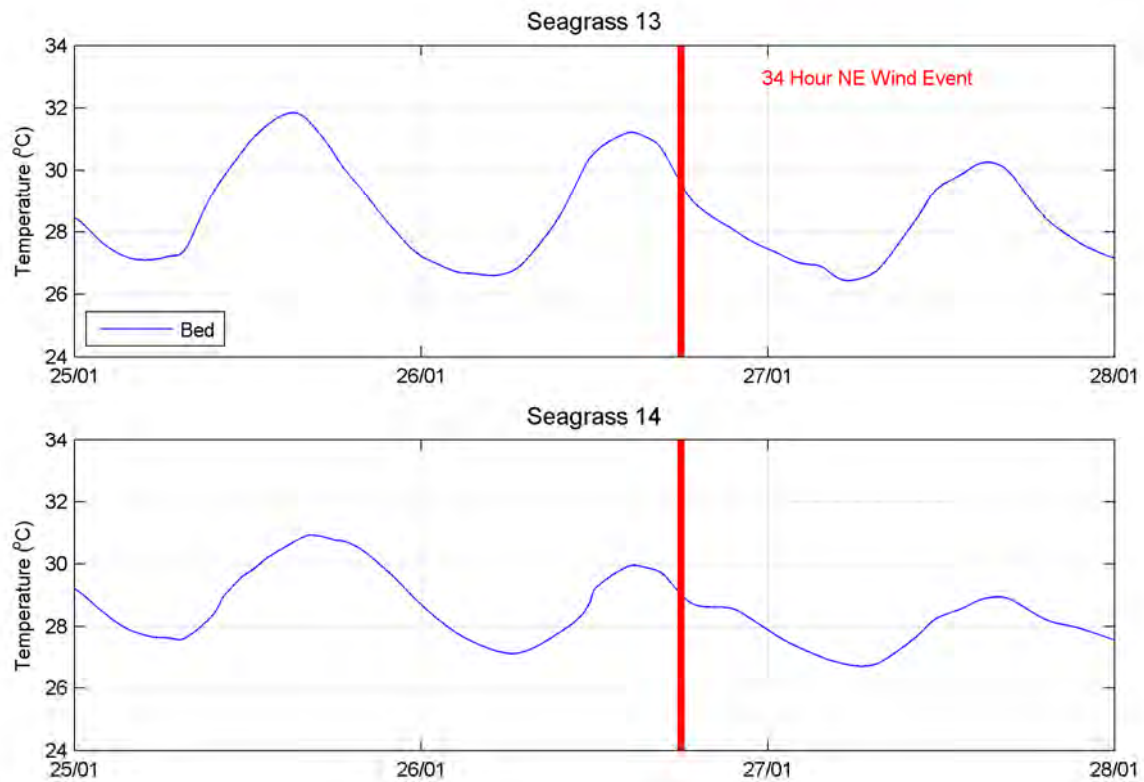
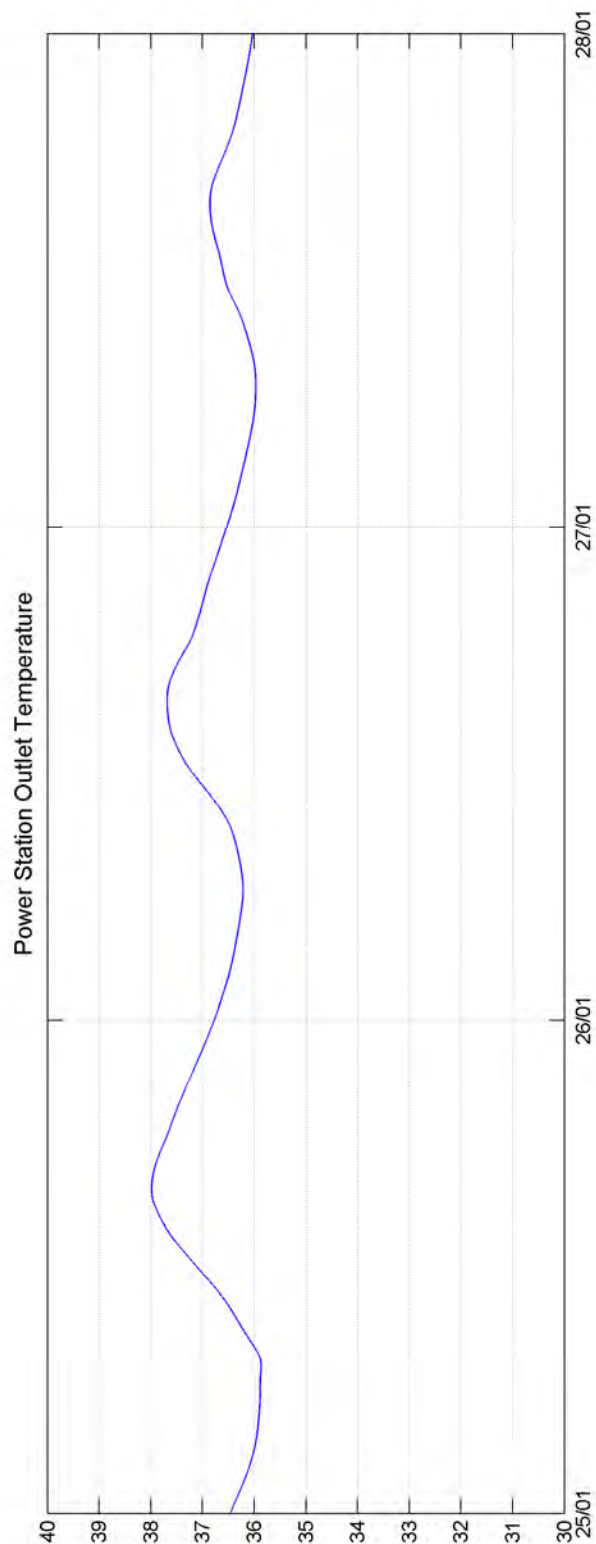
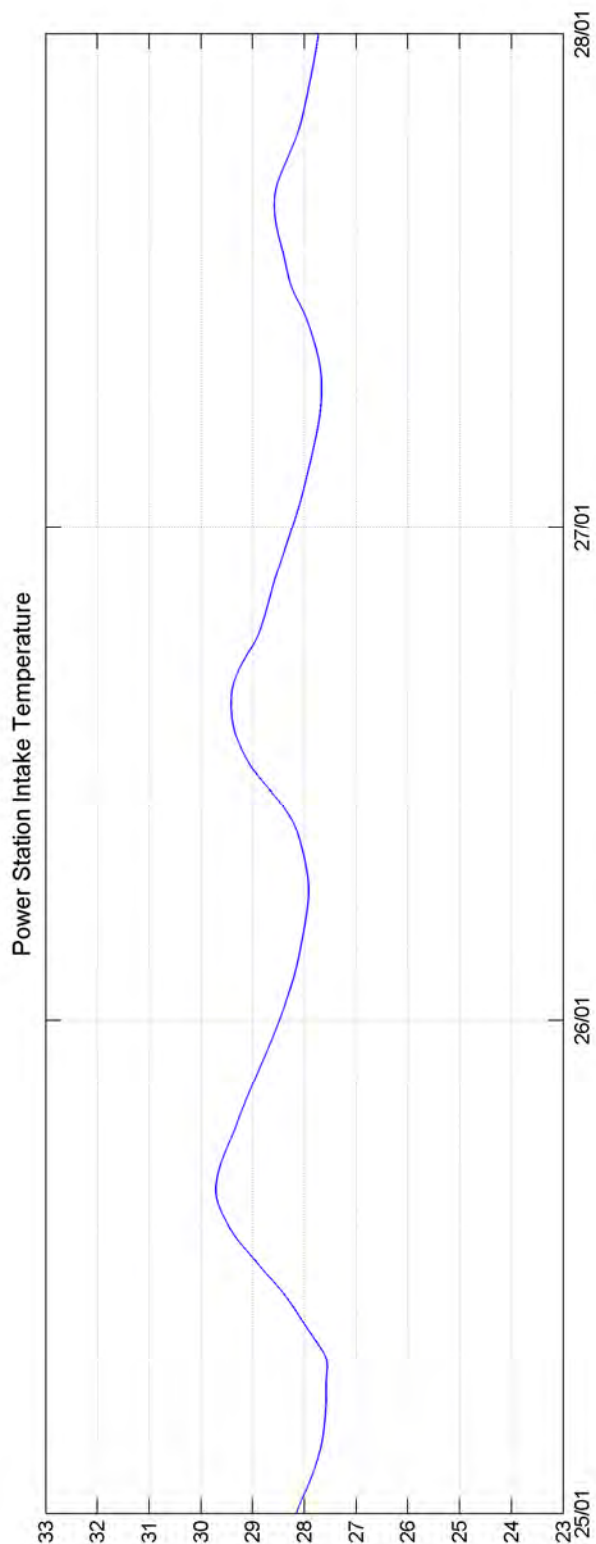




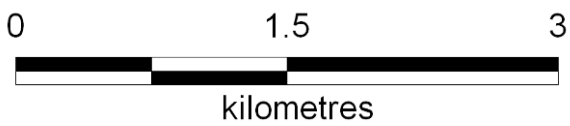






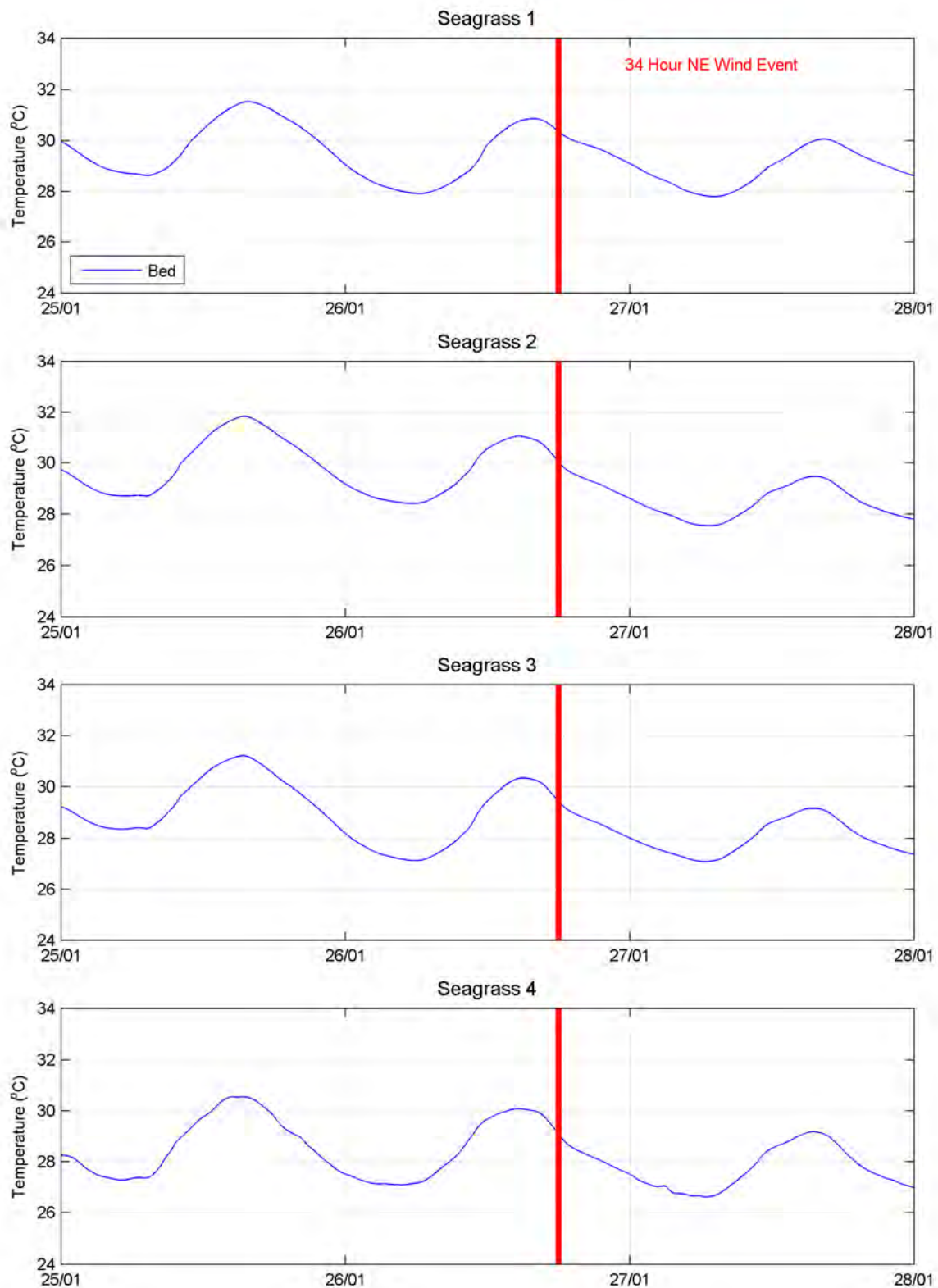


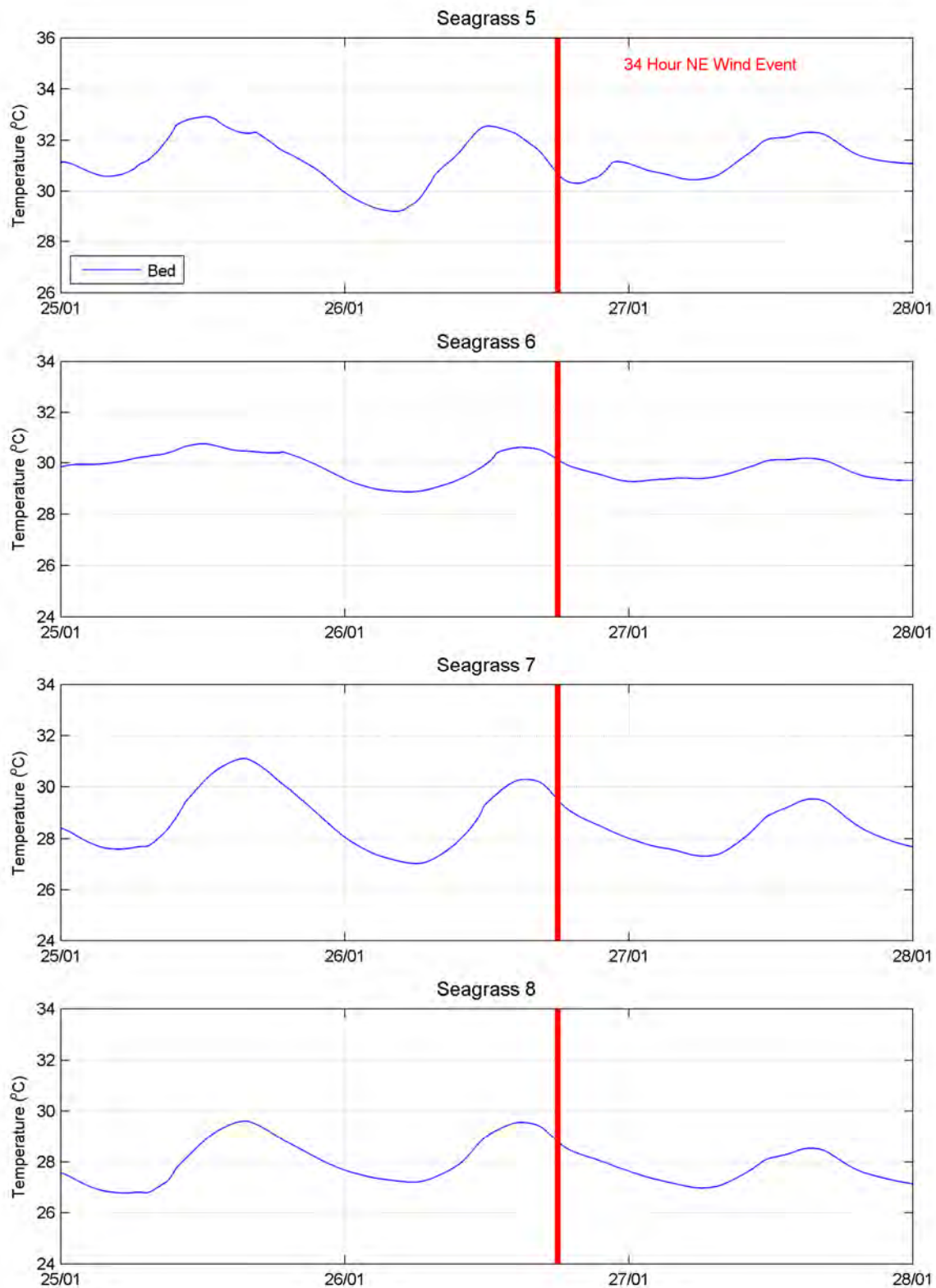




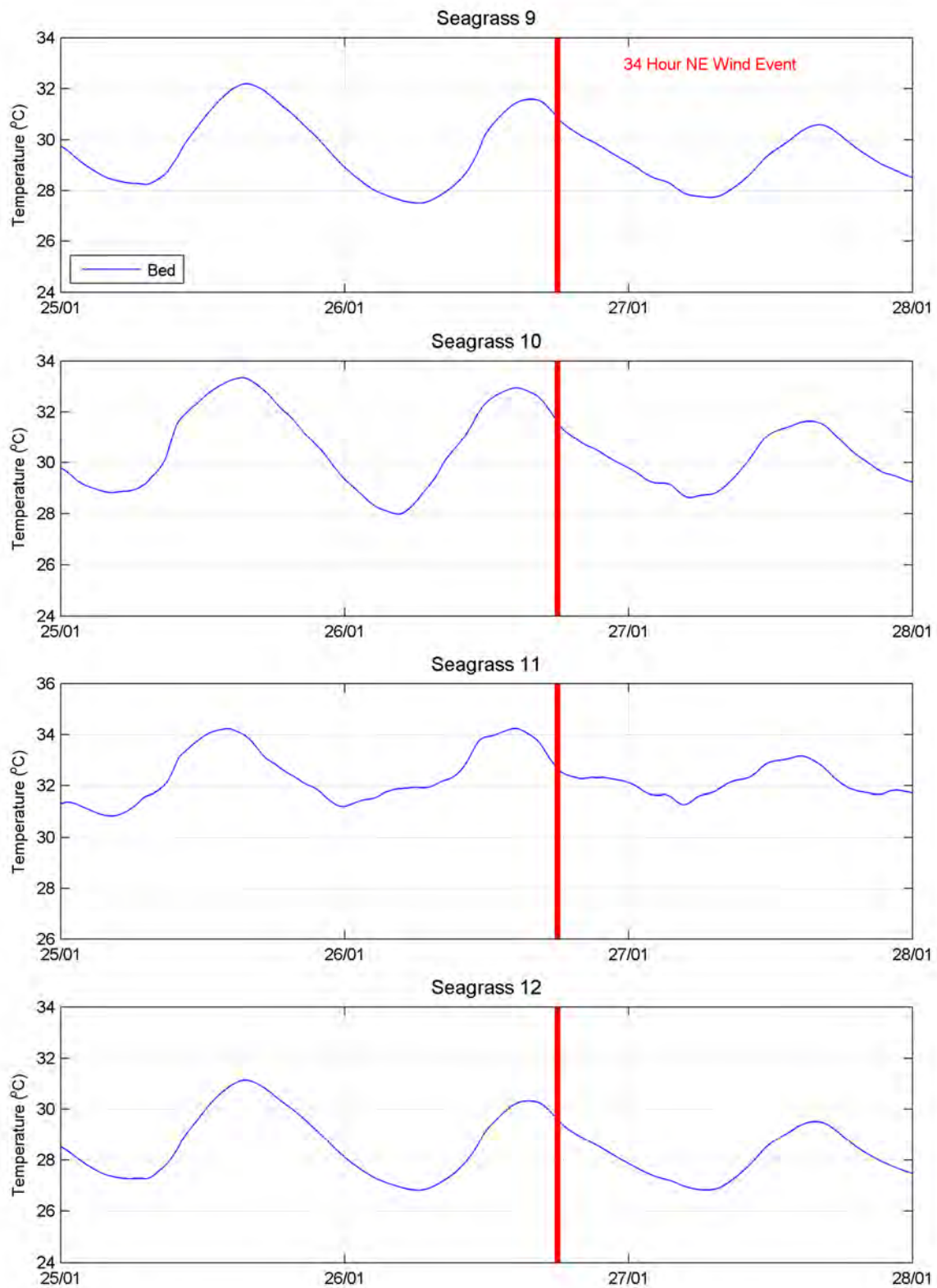
 Munmorah EA nominal seagrass transect locations  
 & Model Output Locations

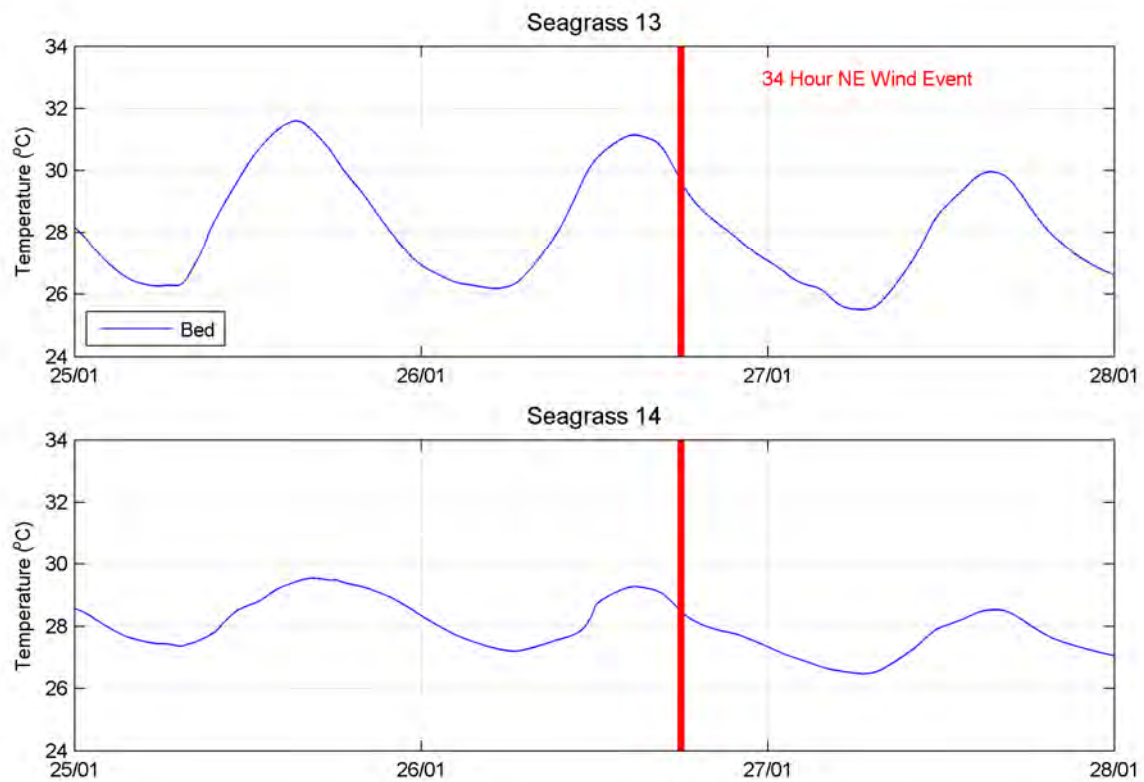


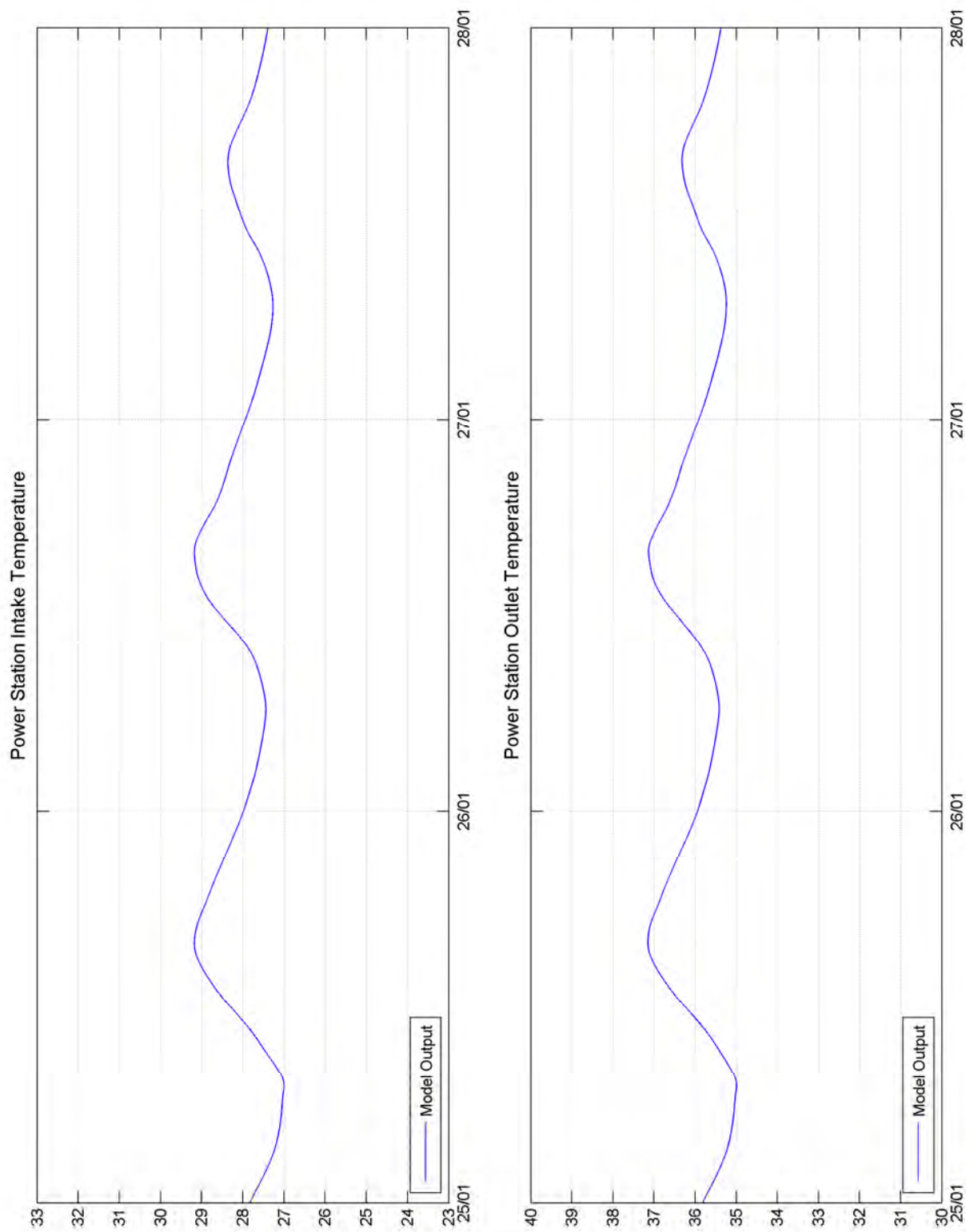












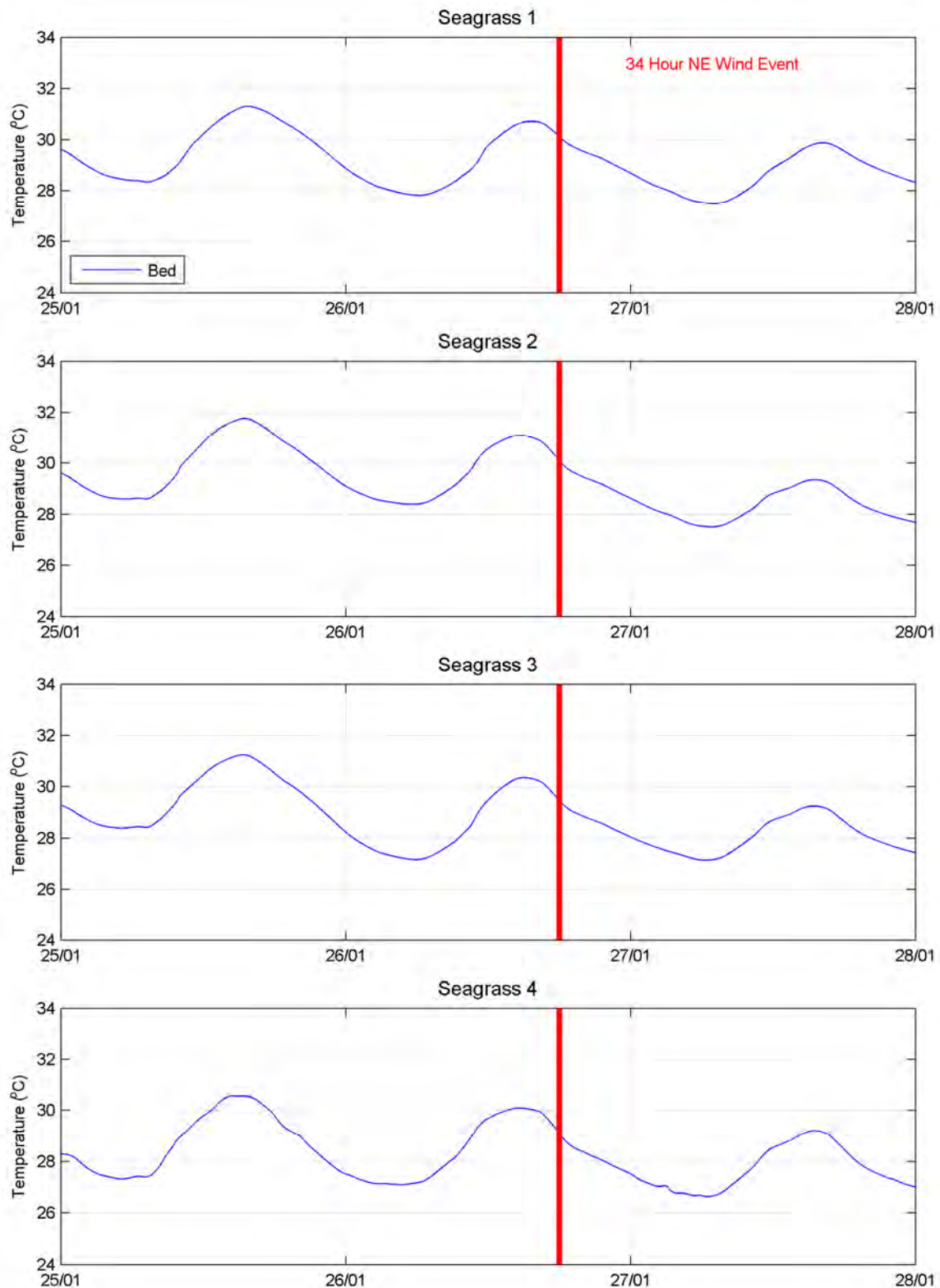


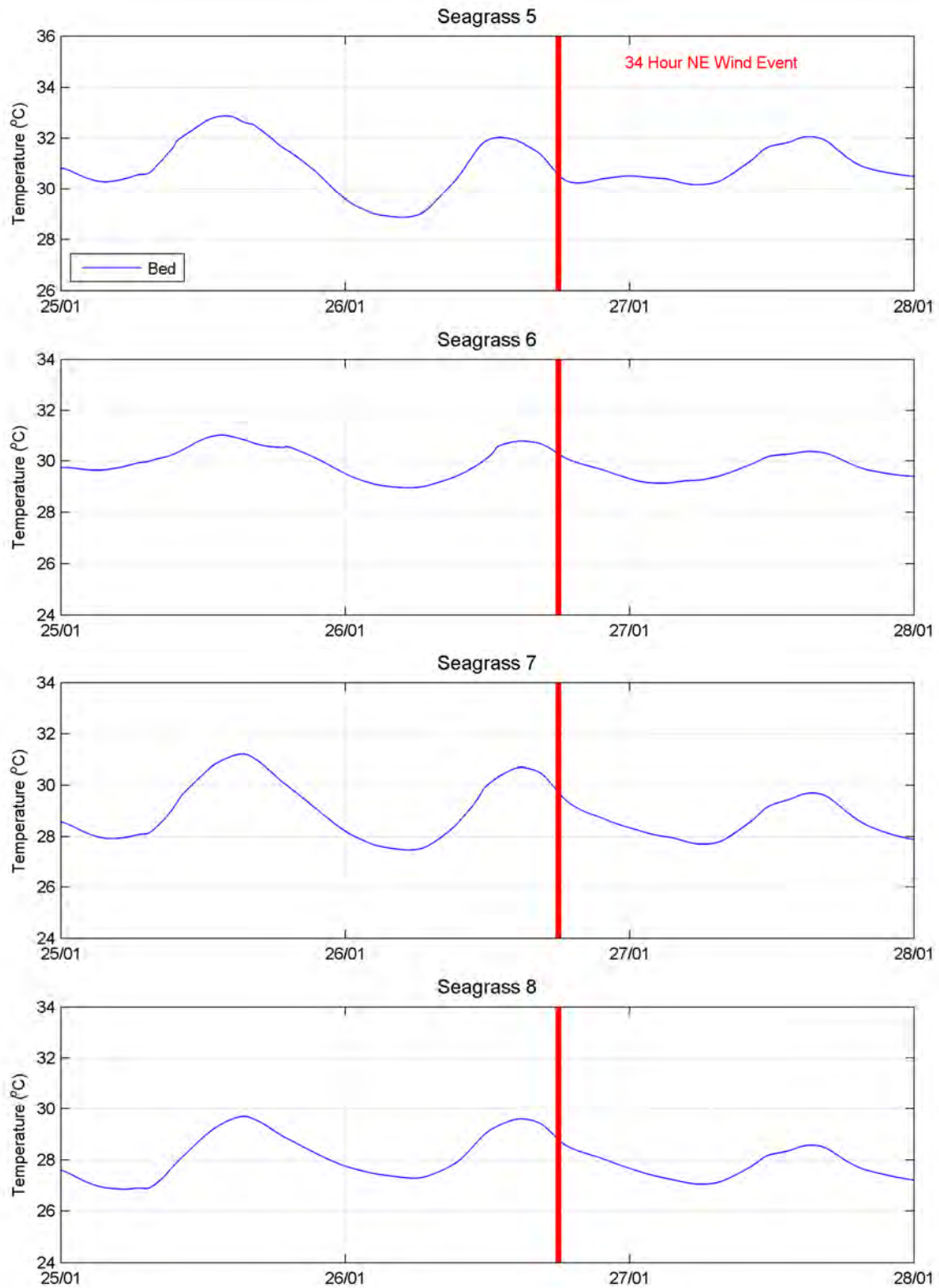


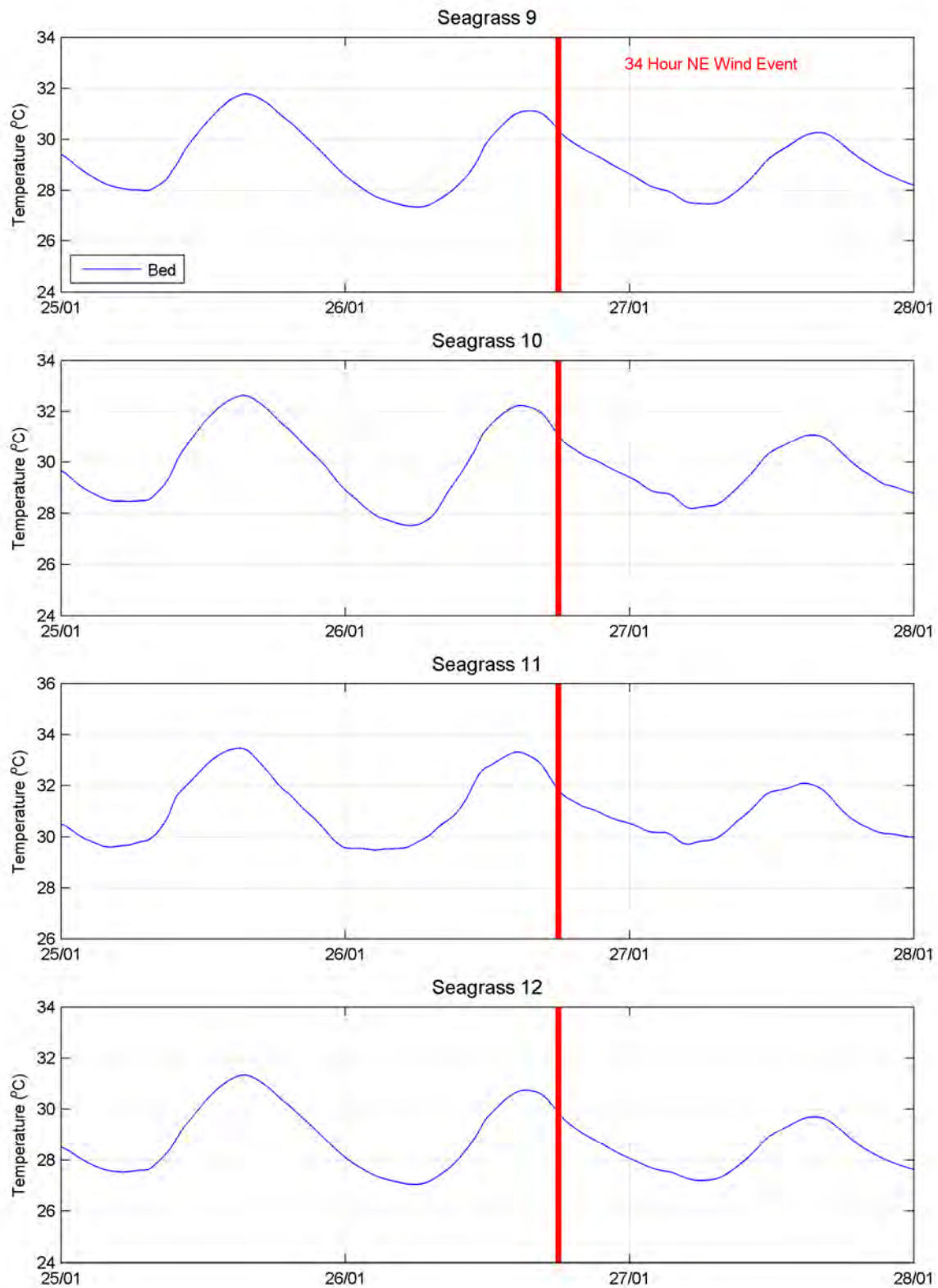
0 1.5 3  
kilometres

● Munmorah EA nominal seagrass transect locations  
& Model Output Locations

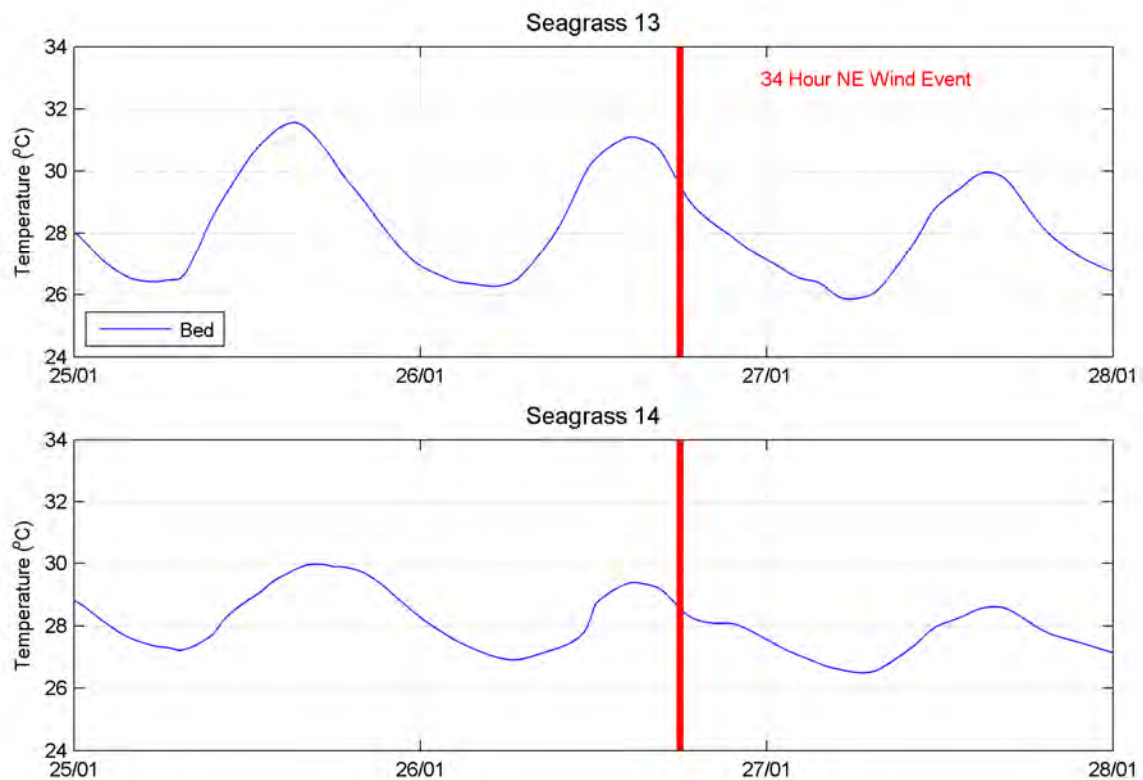


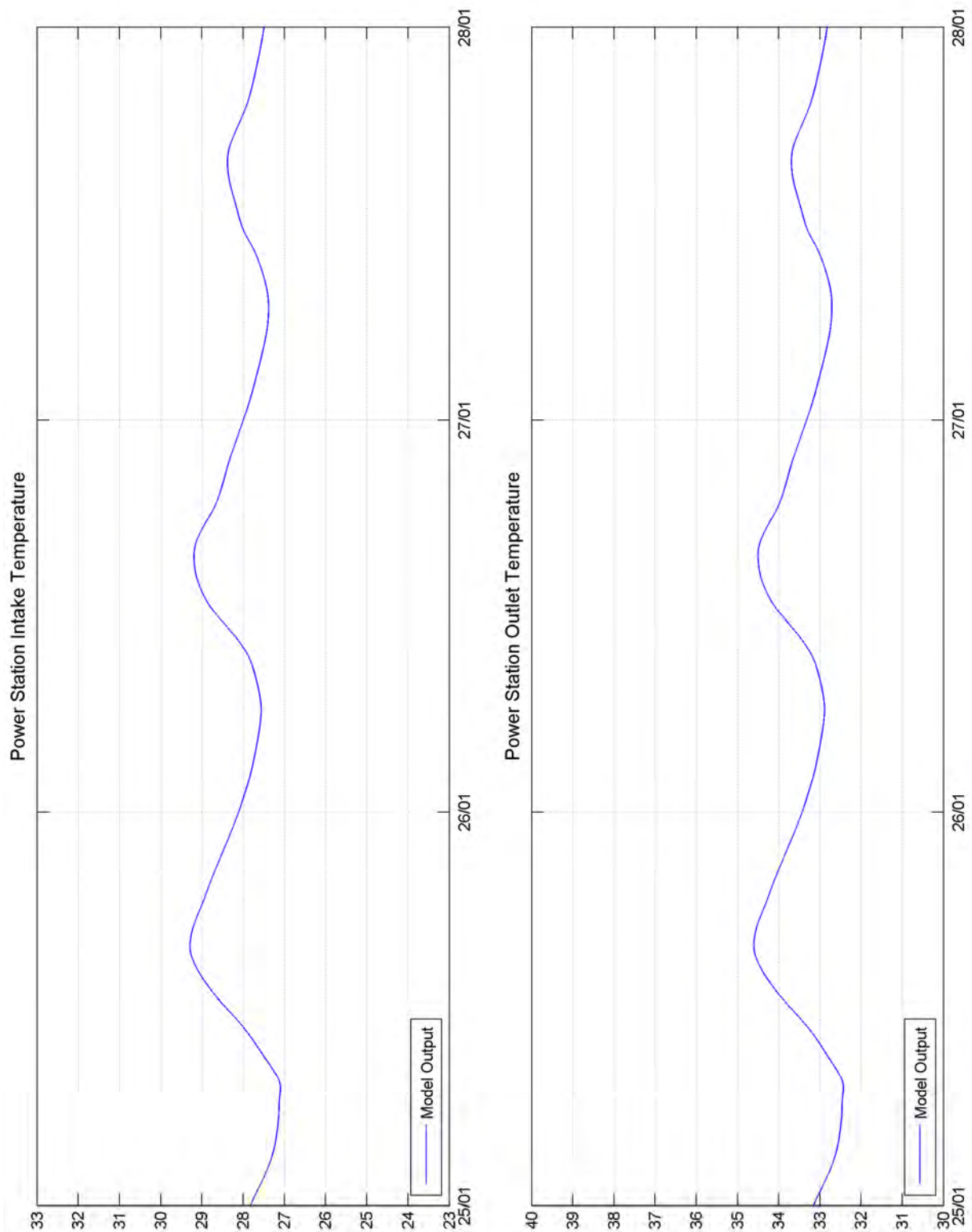












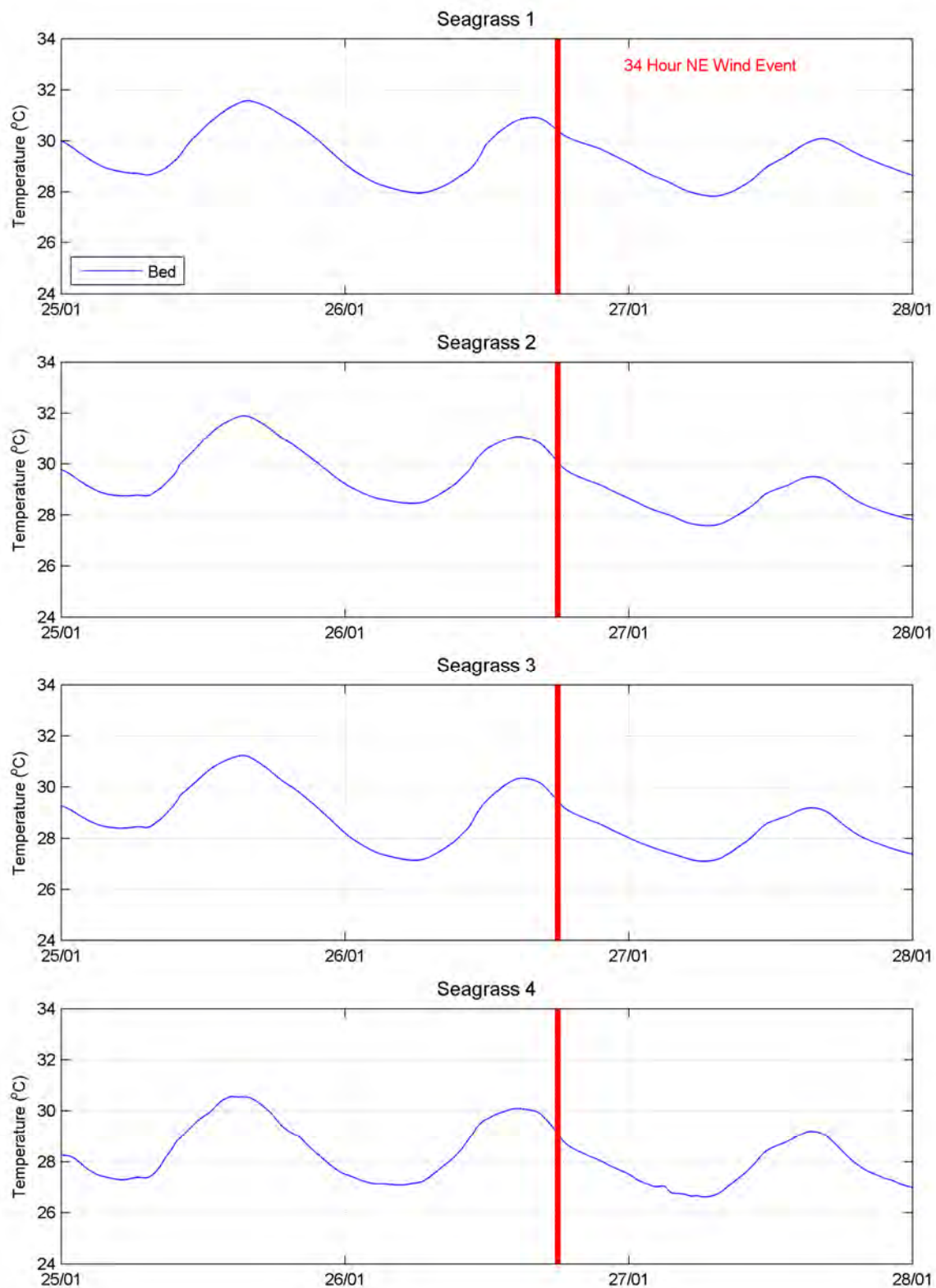


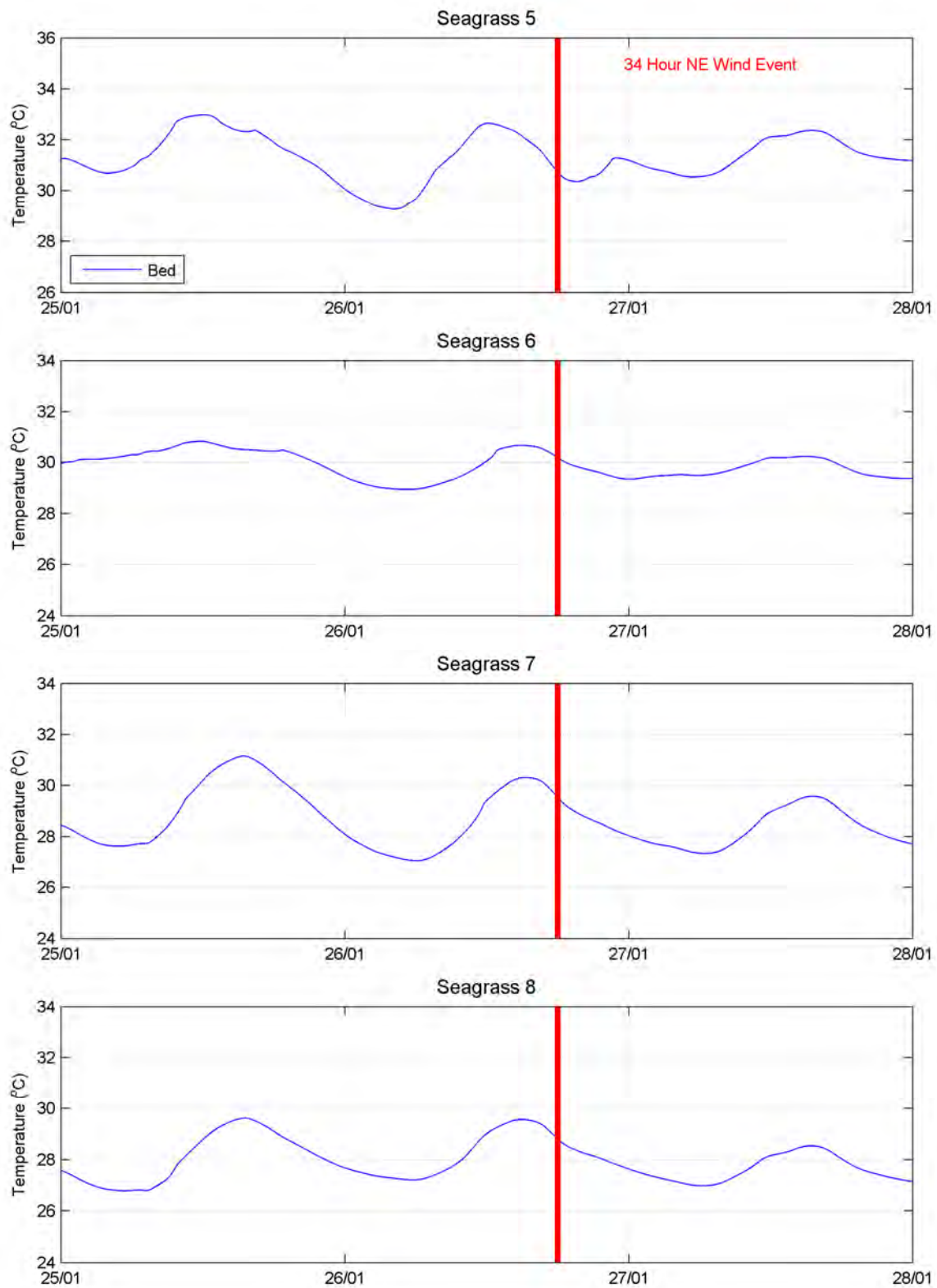


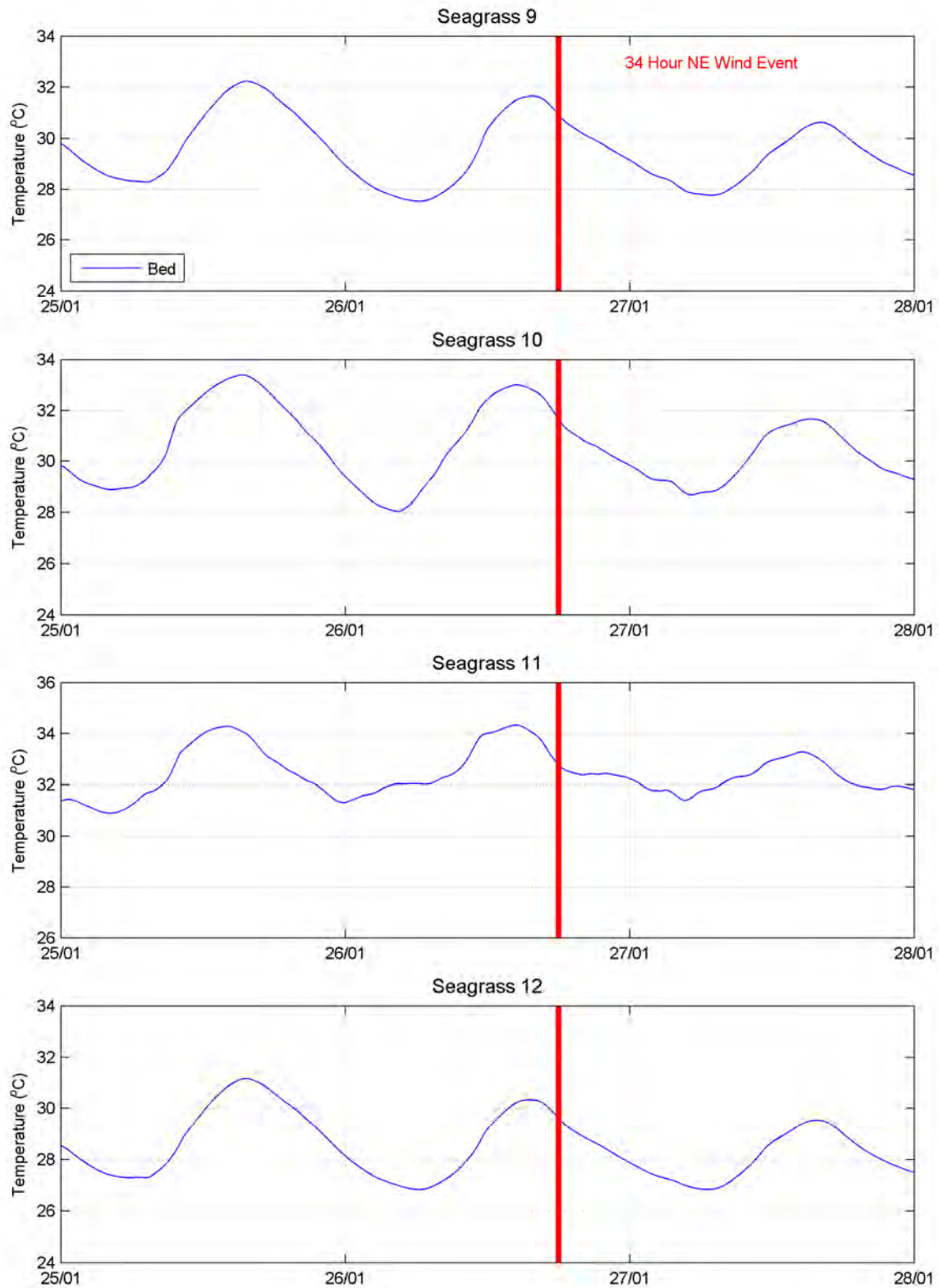
0 1.5 3  
kilometres

● Munmorah EA nominal seagrass transect locations  
& Model Output Locations

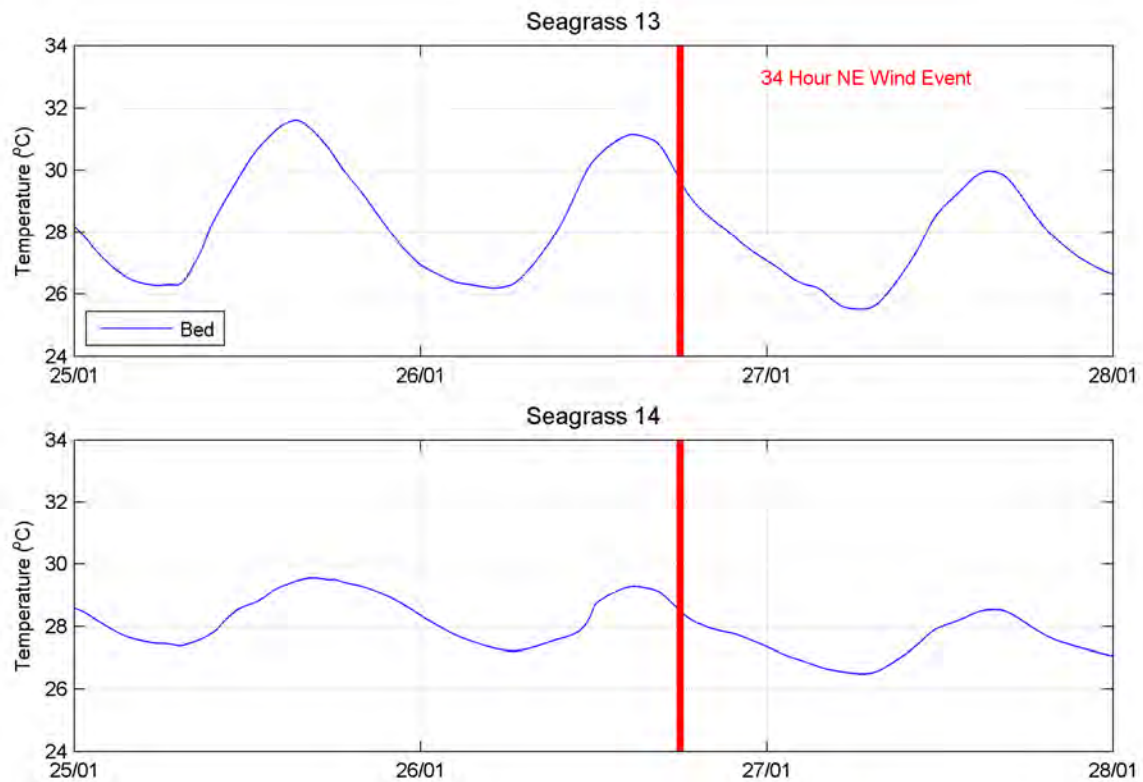


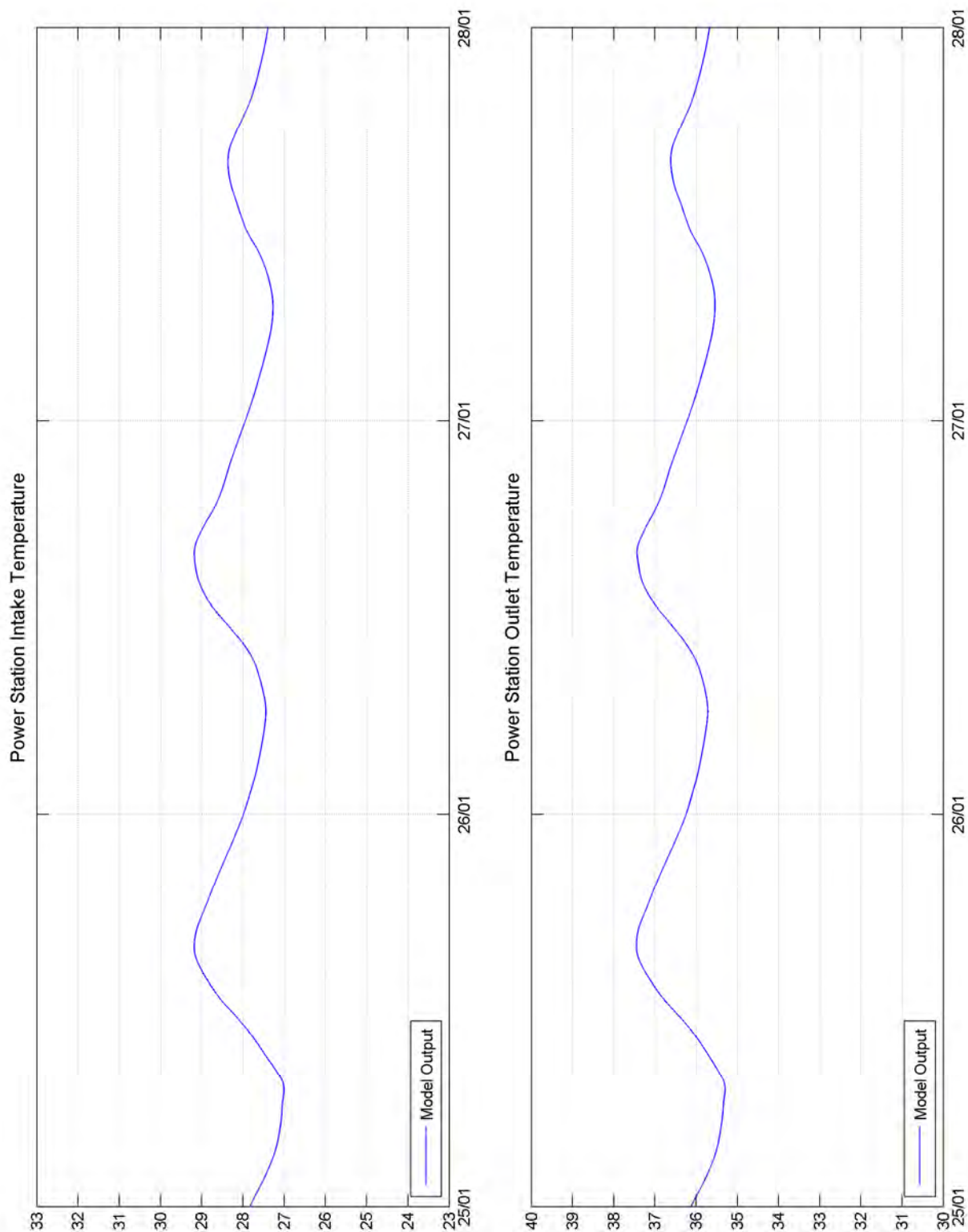












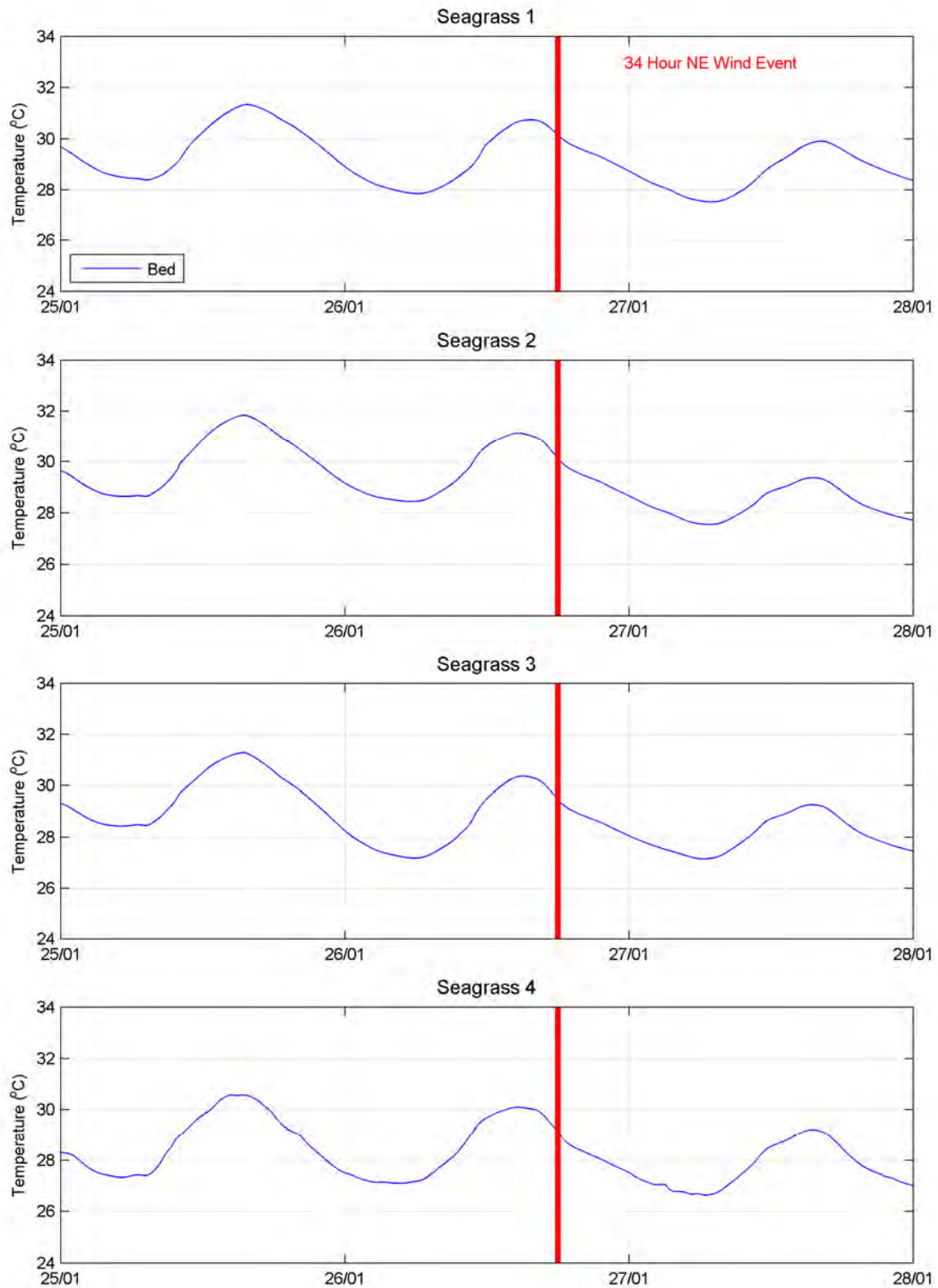


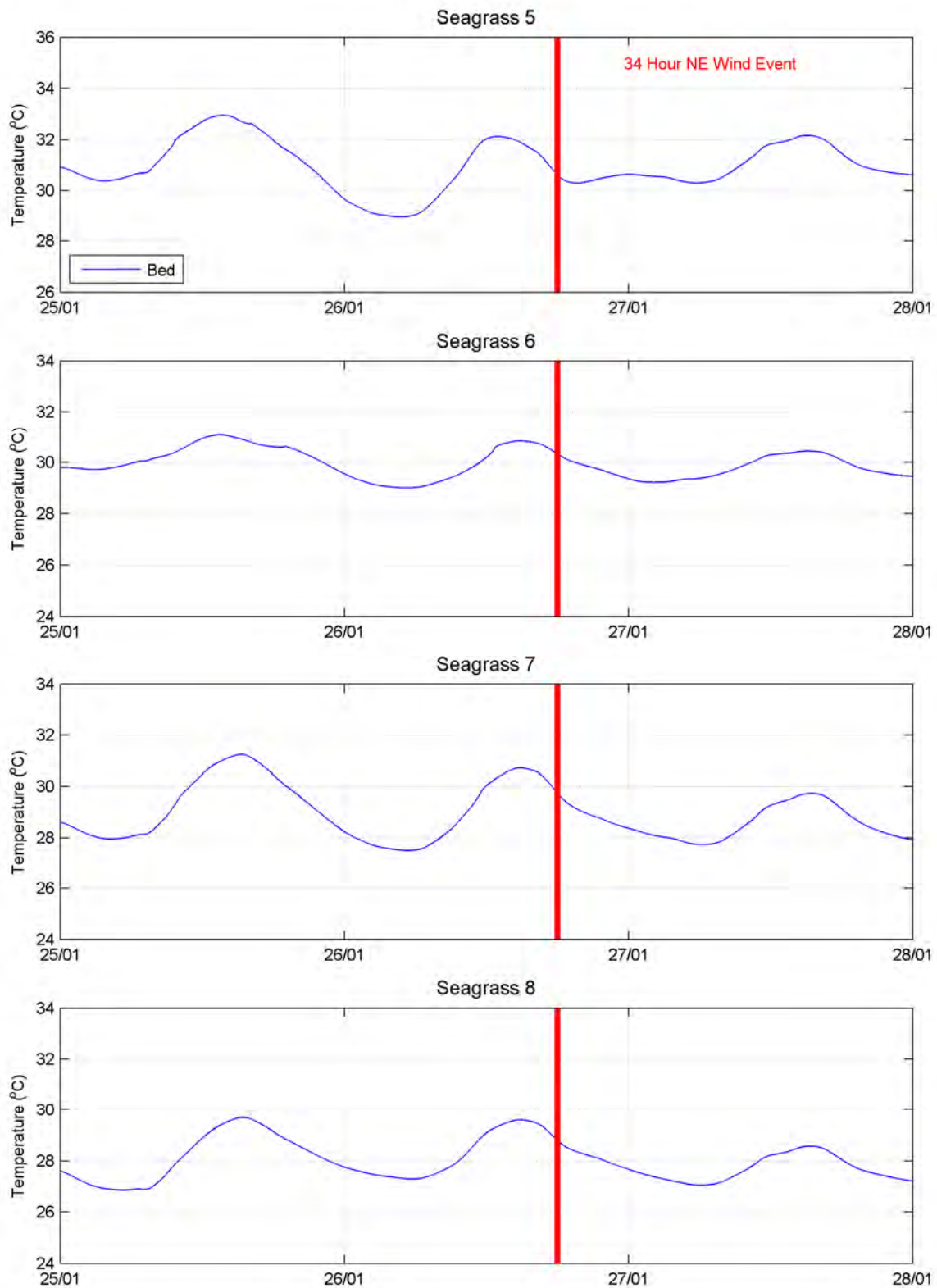


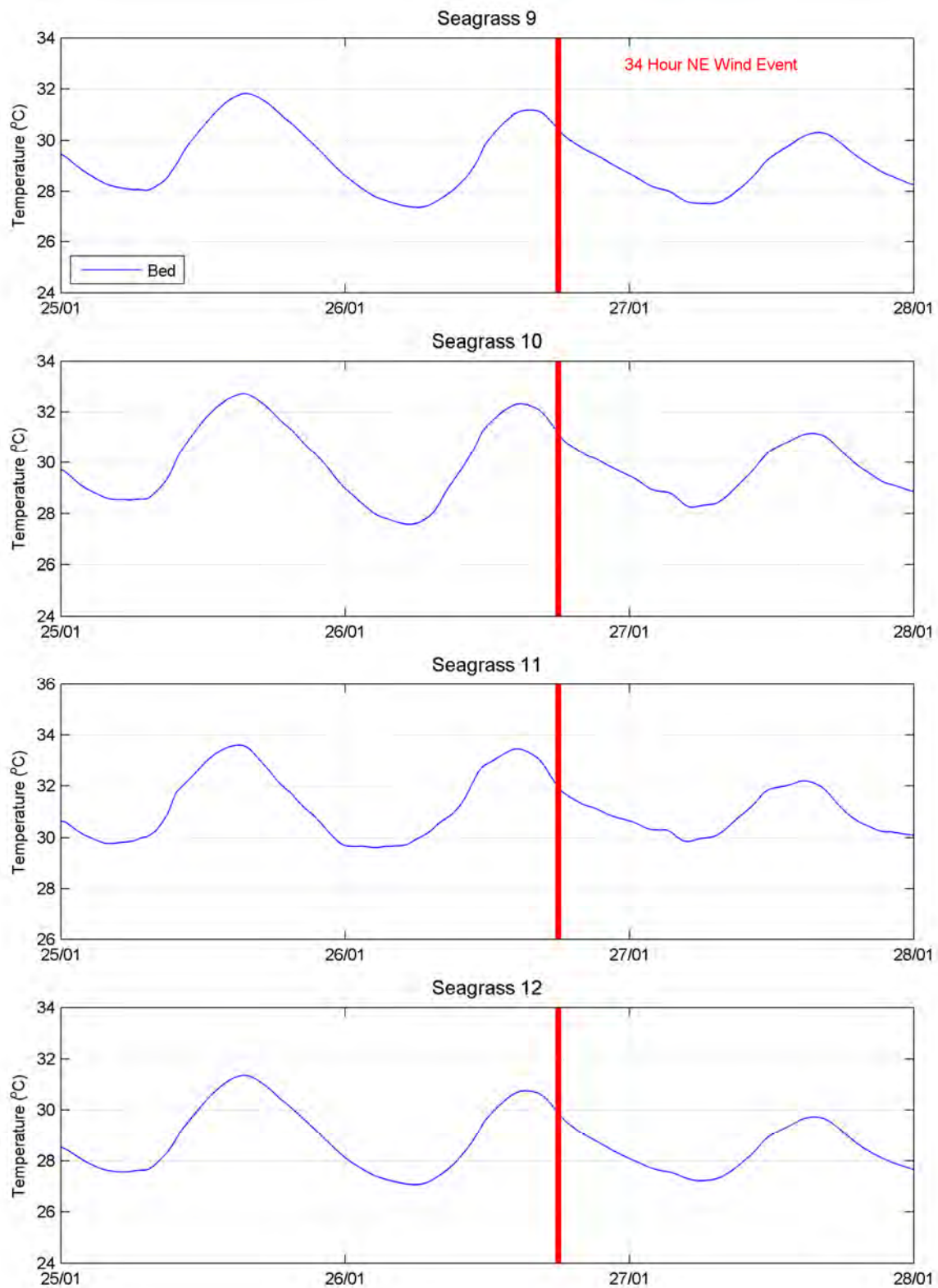
0 1.5 3  
kilometres

● Munmorah EA nominal seagrass transect locations  
& Model Output Locations

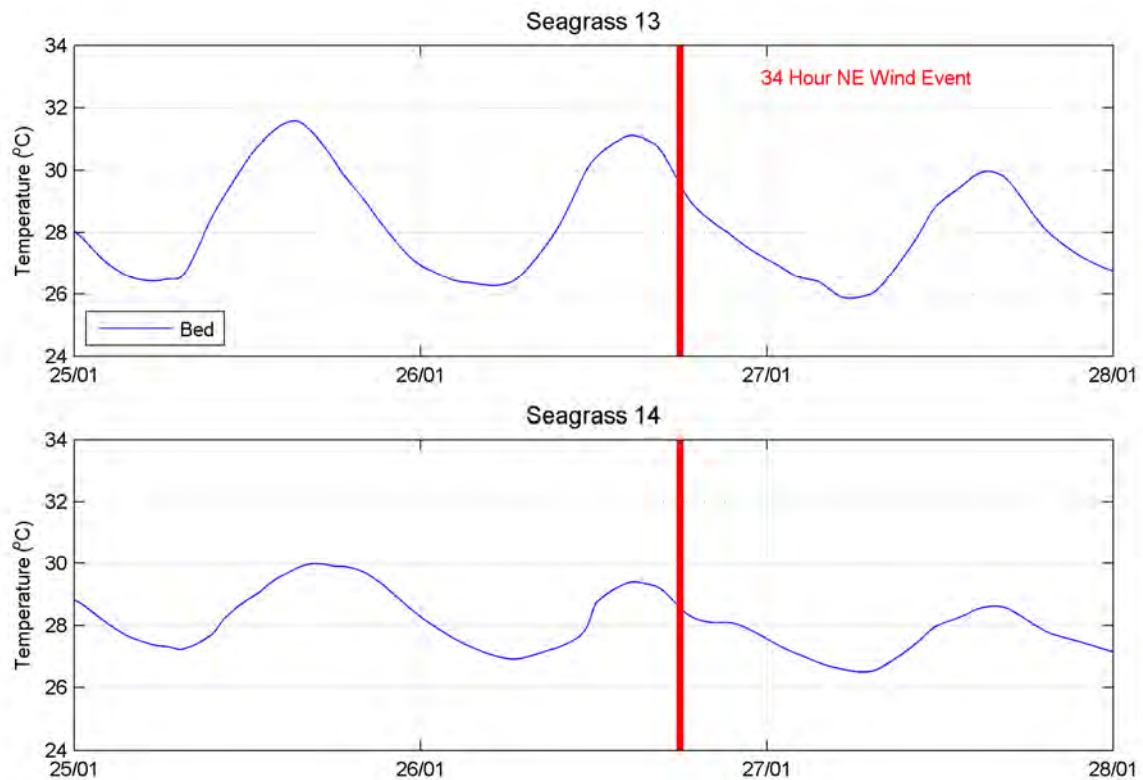


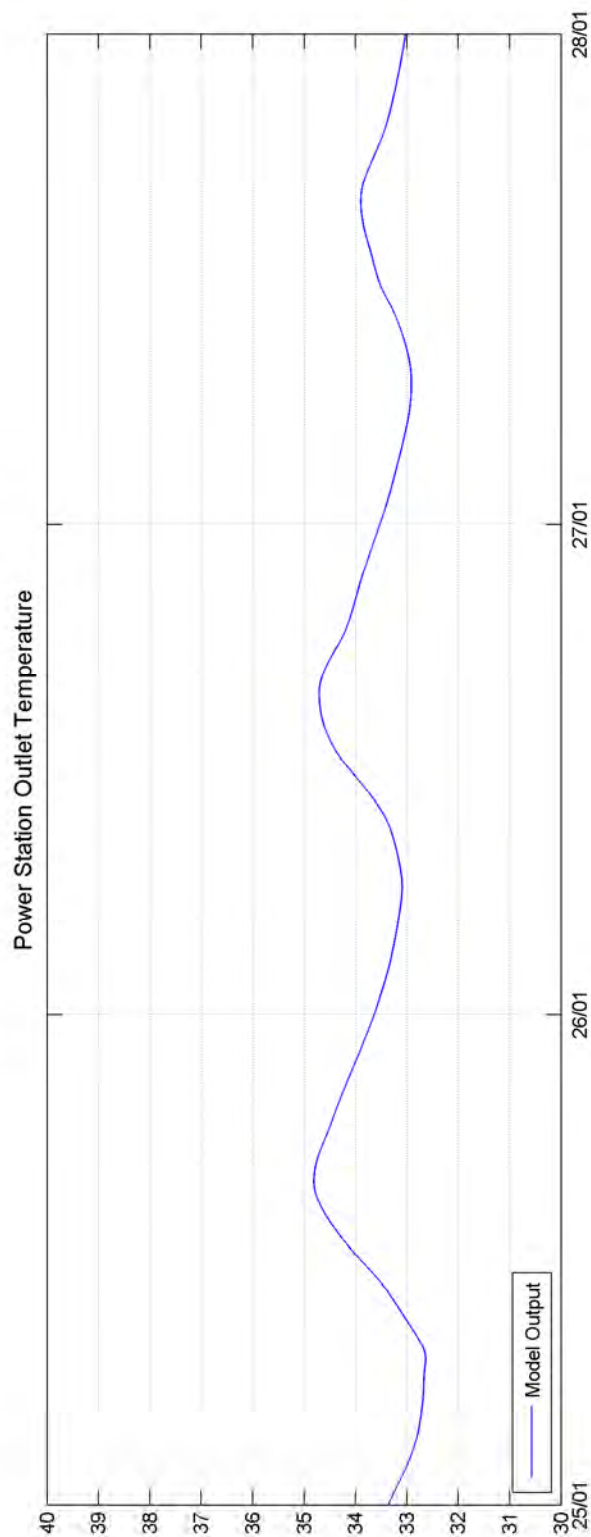
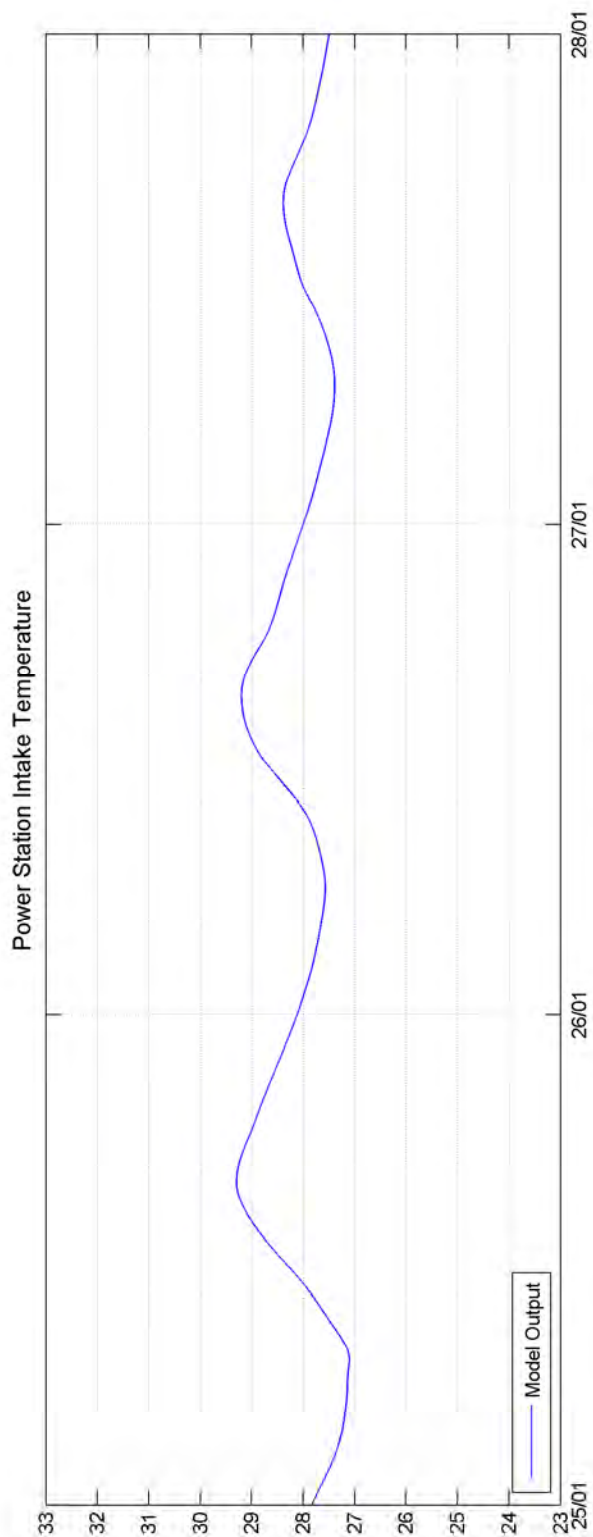








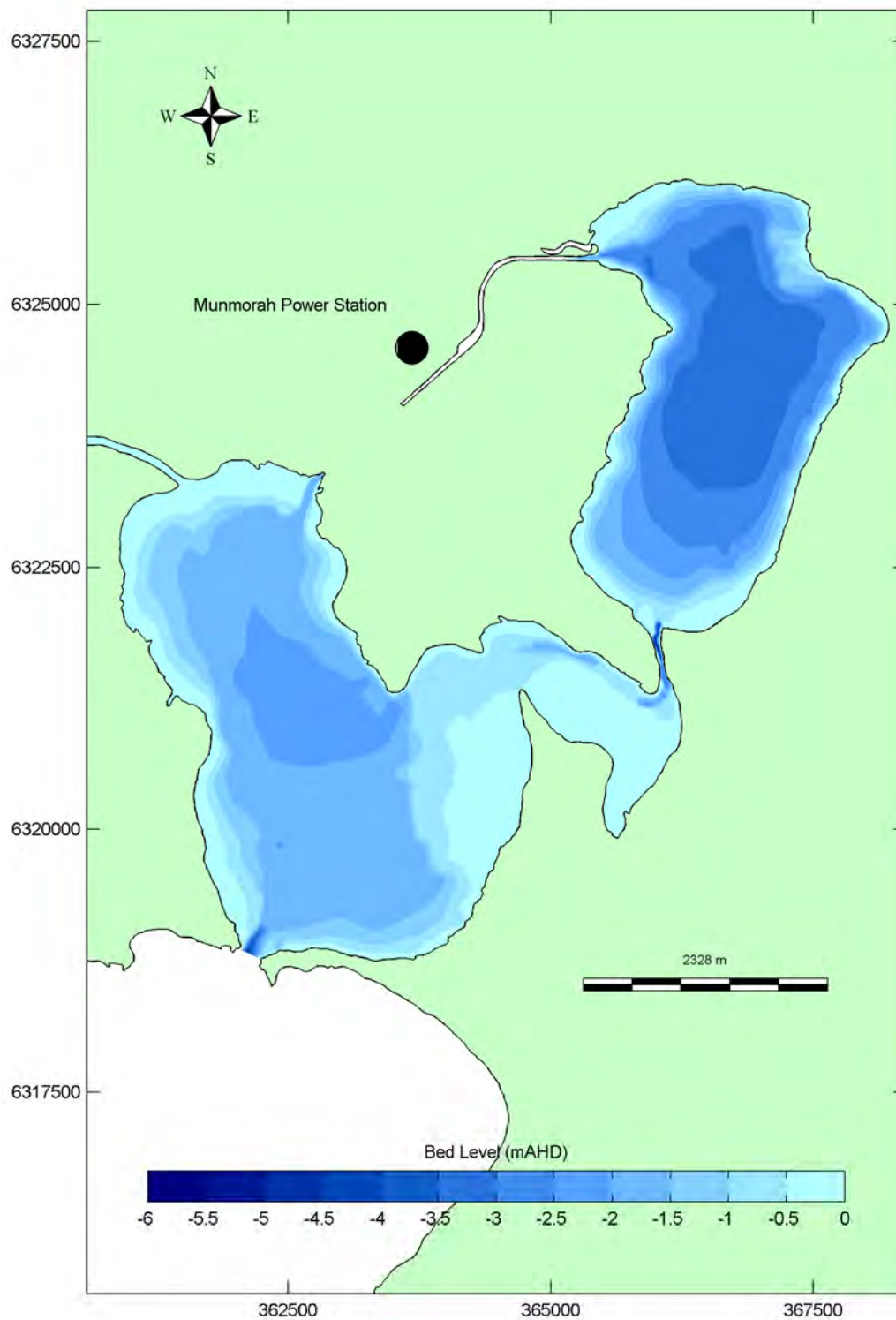


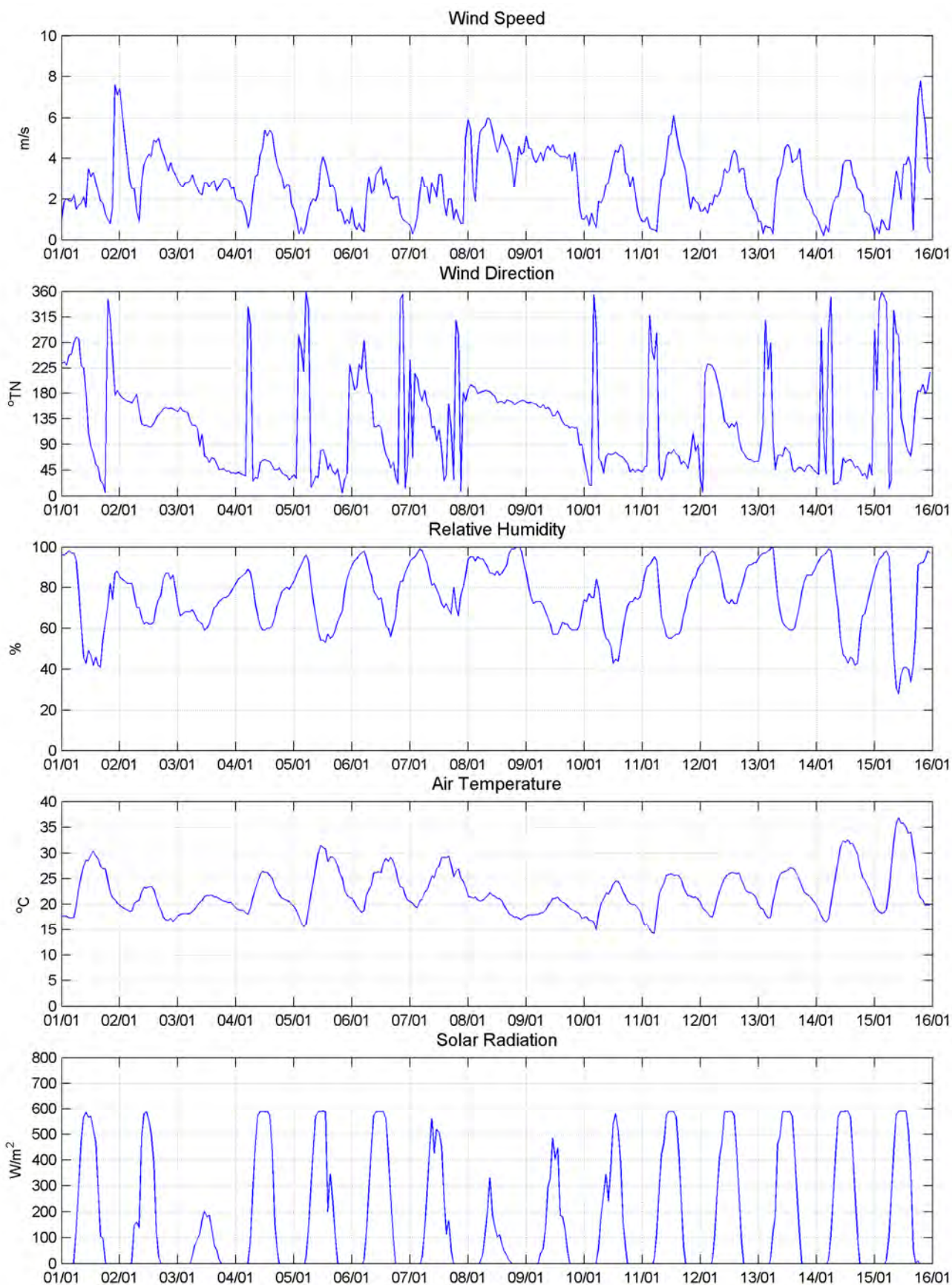


**Appendix A**

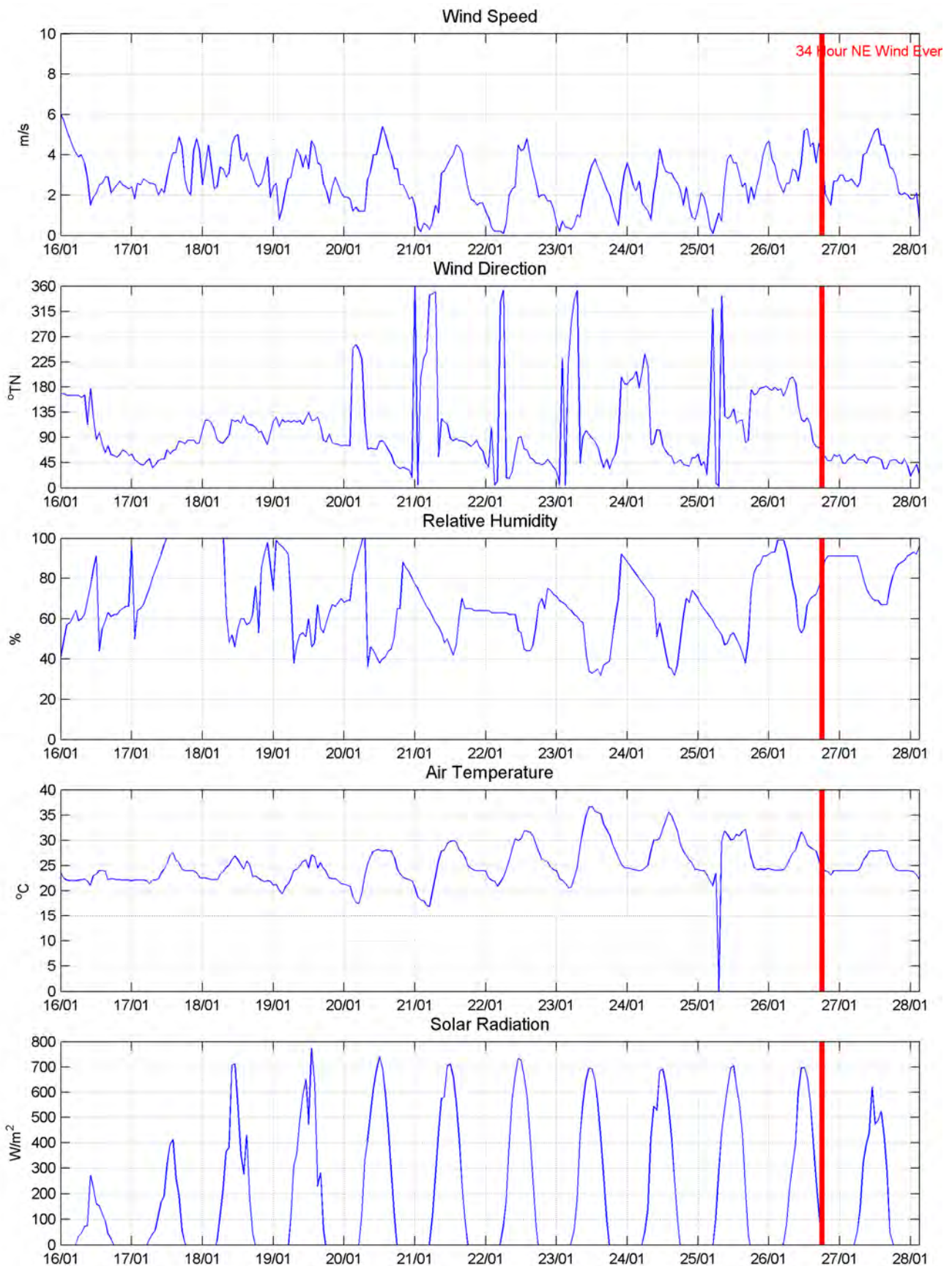
# **Model Input Data**













**Appendix B**

**Field Data - 15<sup>th</sup> January 2009**

| Temperatures at End Outfall Canal |             |
|-----------------------------------|-------------|
| Time                              | Temperature |
| 7:00                              | 32.9        |
| 8:00                              | 32.9        |
| 9:00                              | 32.9        |
| 10:00                             | 32.9        |
| 11:00                             | 33.4        |
| 12:00                             | 33.8        |
| 13:00                             | 34.2        |
| 14:00                             | 34.6        |
| 15:00                             | 34.9        |

| Time  | Unit 3 | Unit 4 | Total MW |
|-------|--------|--------|----------|
| 7.00  | 261    | 261    | 522      |
| 8.00  | 261    | 261    | 522      |
| 9.00  | 261    | 261    | 522      |
| 10.00 | 261    | 261    | 522      |
| 11.00 | 261    | 261    | 522      |
| 12.00 | 261    | 261    | 522      |
| 13.00 | 261    | 261    | 522      |
| 14.00 | 261    | 261    | 522      |
| 15.00 | 261    | 261    | 522      |

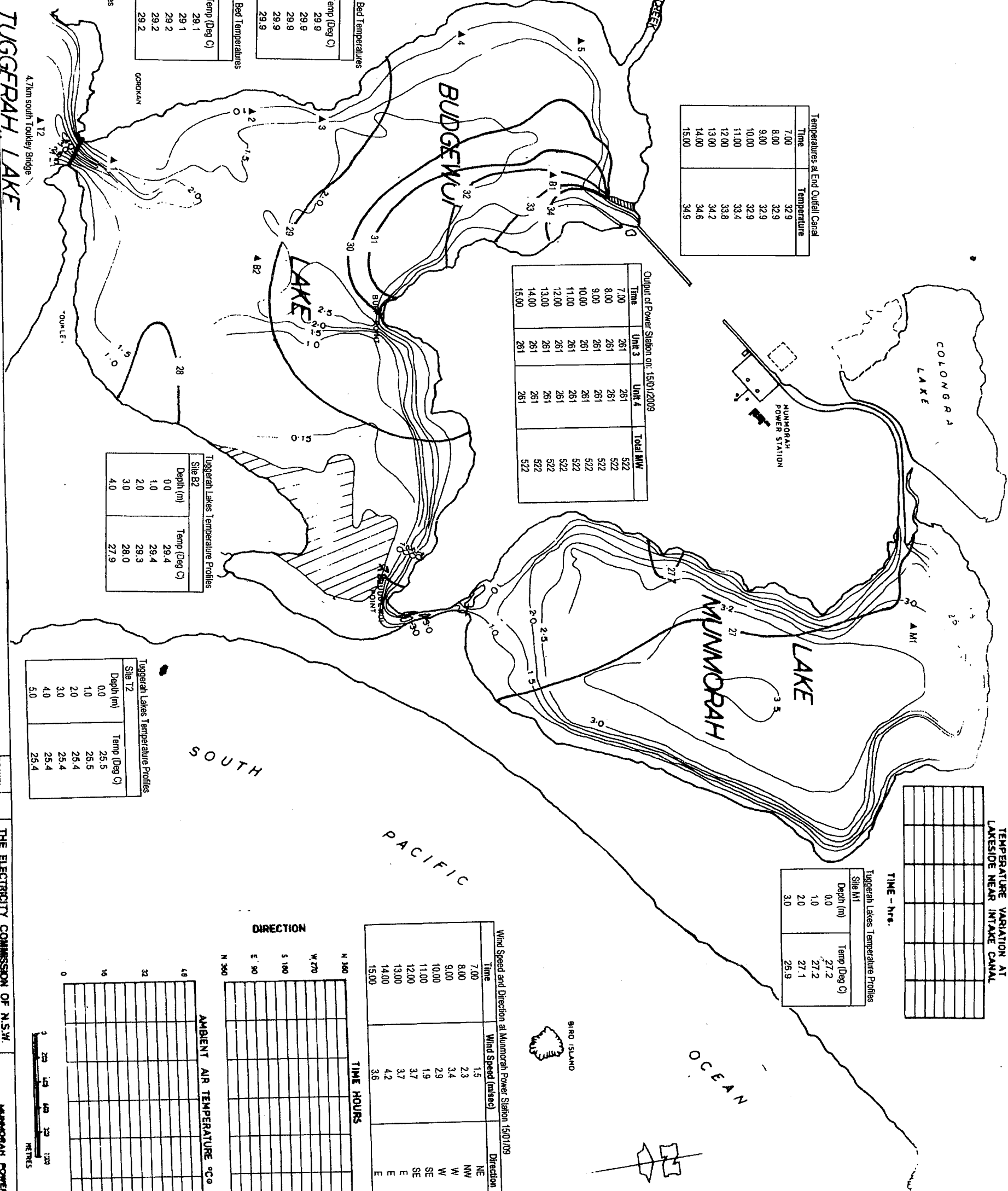
| Tuggerah Lakes Temperature Profiles |              |
|-------------------------------------|--------------|
| Site M1                             |              |
| Depth (m)                           | Temp (Deg C) |
| 0.0                                 | 27.2         |
| 1.0                                 | 27.2         |
| 2.0                                 | 27.1         |
| 3.0                                 | 26.9         |

| Wind Speed and Direction at Mumtazah Power Station 15/01/09 |                    |           |
|-------------------------------------------------------------|--------------------|-----------|
| Time                                                        | Wind Speed (m/sec) | Direction |
| 7.00                                                        | 1.5                | NE        |
| 8.00                                                        | 2.3                | NNW       |
| 9.00                                                        | 3.4                | W         |
| 10.00                                                       | 2.9                | W         |
| 11.00                                                       | 1.9                | SE        |
| 12.00                                                       | 3.7                | SE        |
| 13.00                                                       | 3.7                | E         |
| 14.00                                                       | 4.2                | E         |
| 15.00                                                       | 3.6                | E         |

[illegible]

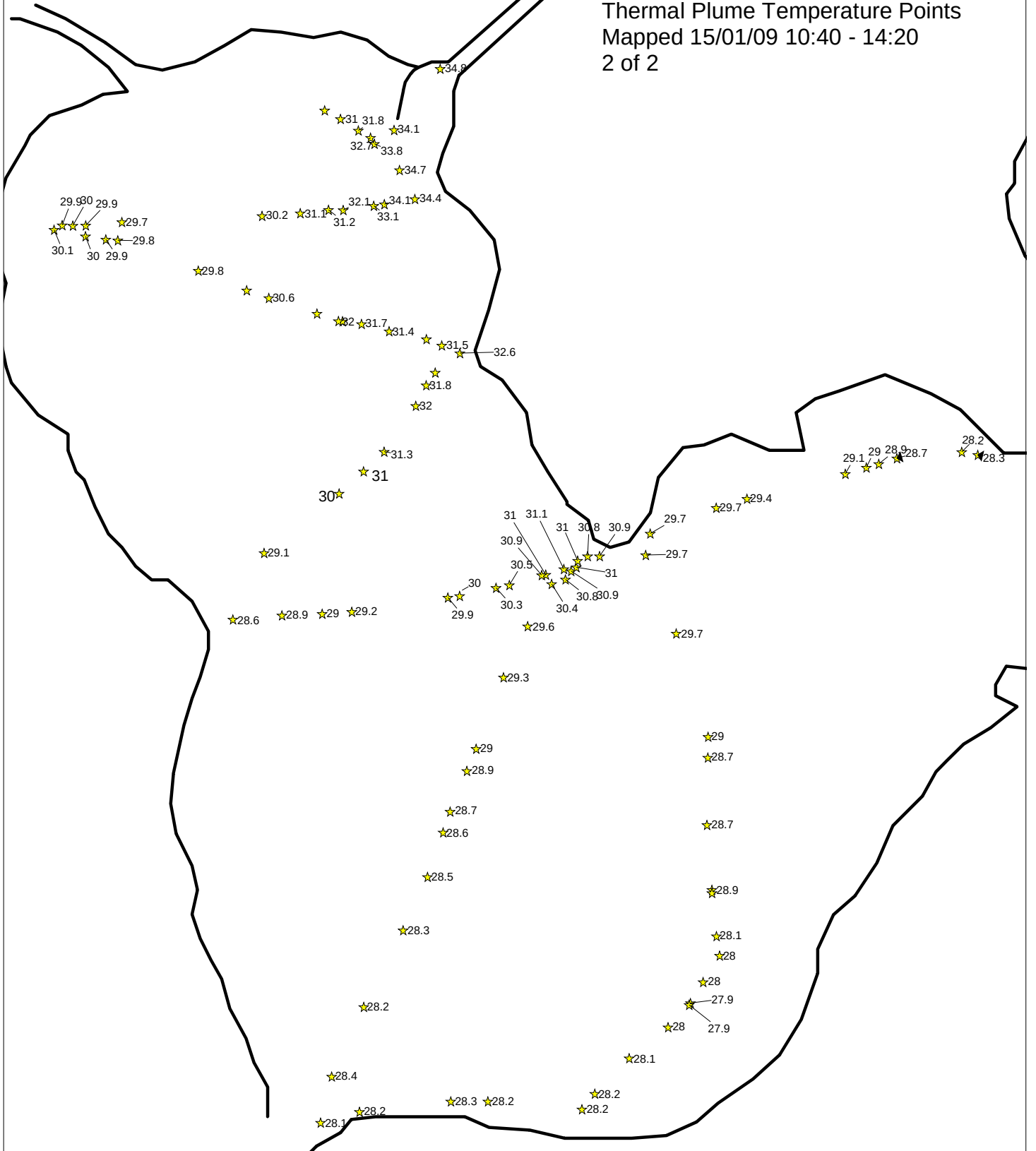
| Depth (m) | Temp (Deg C) |
|-----------|--------------|
| 0.0       | 29.4         |
| 1.0       | 29.4         |
| 2.0       | 29.3         |
| 3.0       | 28.0         |
| 4.0       | 27.9         |

| Tuggerah Lakes Temperature Profiles |              |
|-------------------------------------|--------------|
| Site 12                             |              |
| Depth (m)                           | Temp (Deg C) |
| 0.0                                 | 25.5         |
| 1.0                                 | 25.5         |
| 2.0                                 | 25.4         |
| 3.0                                 | 25.4         |
| 4.0                                 | 25.4         |
| 5.0                                 | 25.4         |

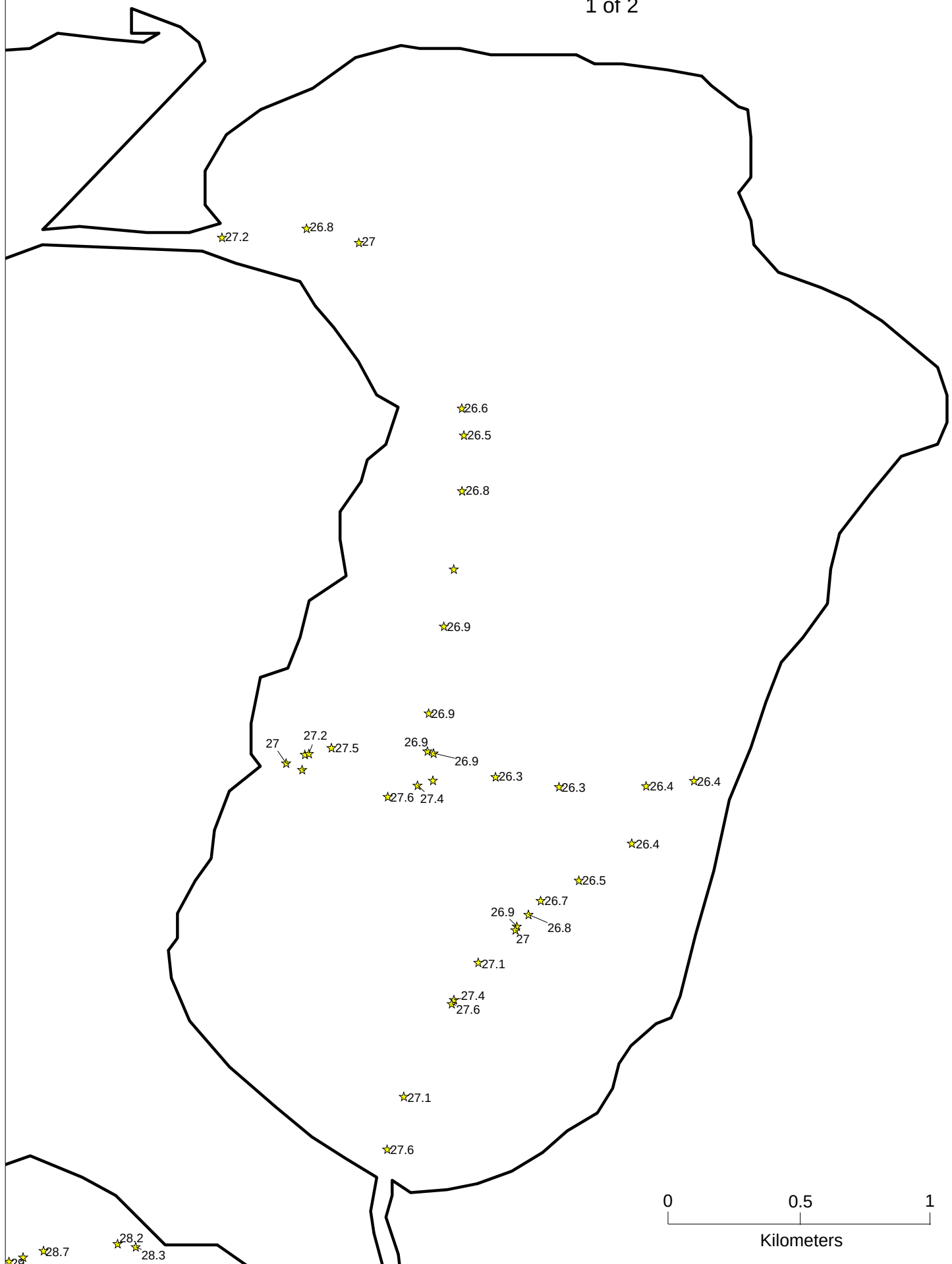


|         |      |                                      |  |                            |  |
|---------|------|--------------------------------------|--|----------------------------|--|
| DRAWN   |      | THE ELECTRICITY COMMISSION OF N.S.W. |  | MUNIMAH POWER STATION      |  |
| CHECKED |      | POWER DEVELOPMENT DIVISION           |  | COOLING FIELD SURVEY       |  |
| T.D.    | C.S. |                                      |  | DATE: 15/01/2009           |  |
|         |      |                                      |  | FROM: 1045 HRS TO 1419 HRS |  |

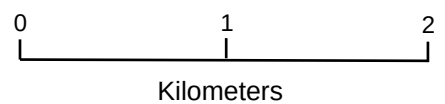
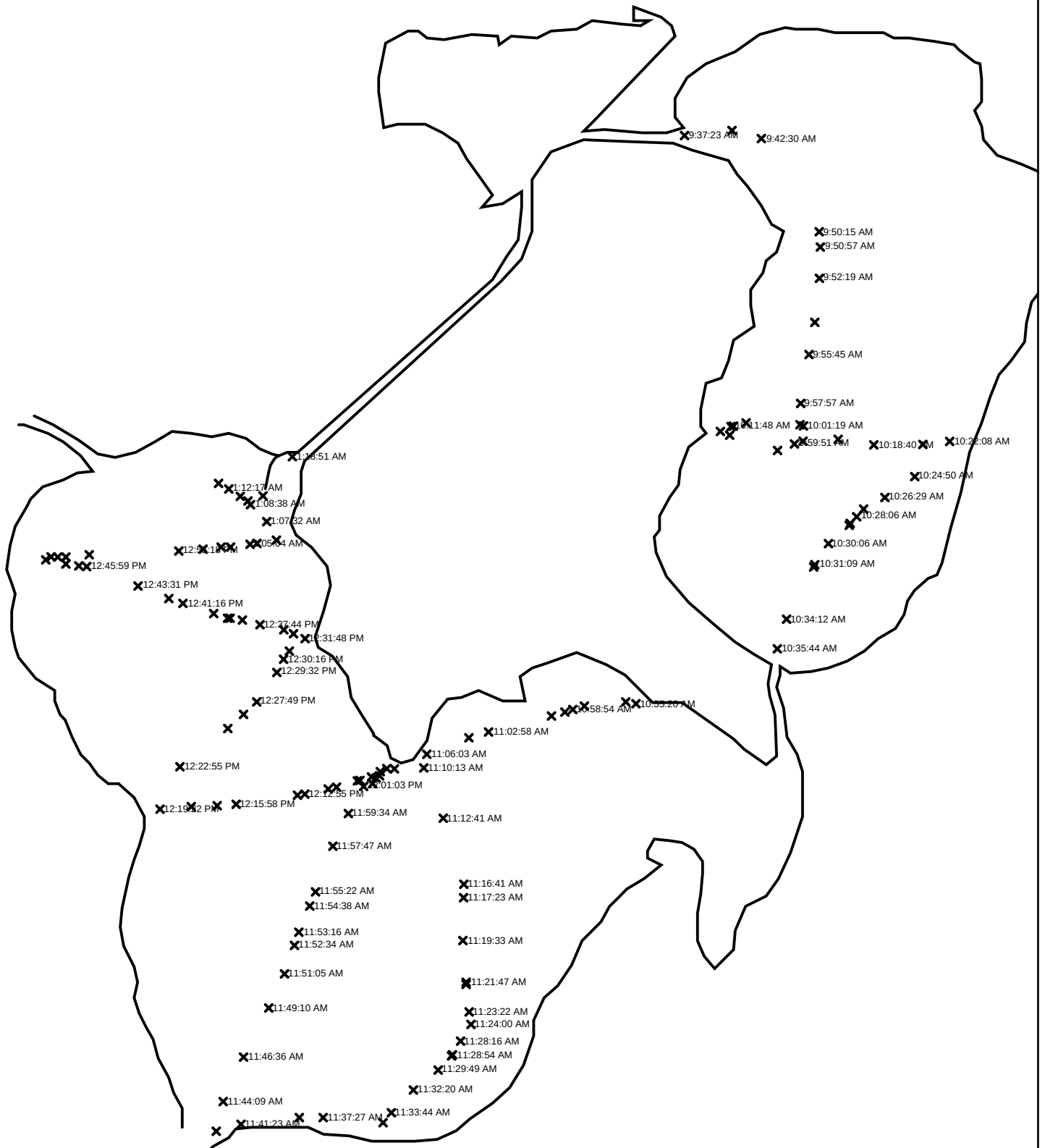
Lake Munmorah Power Station  
Thermal Plume Temperature Points  
Mapped 15/01/09 10:40 - 14:20  
2 of 2

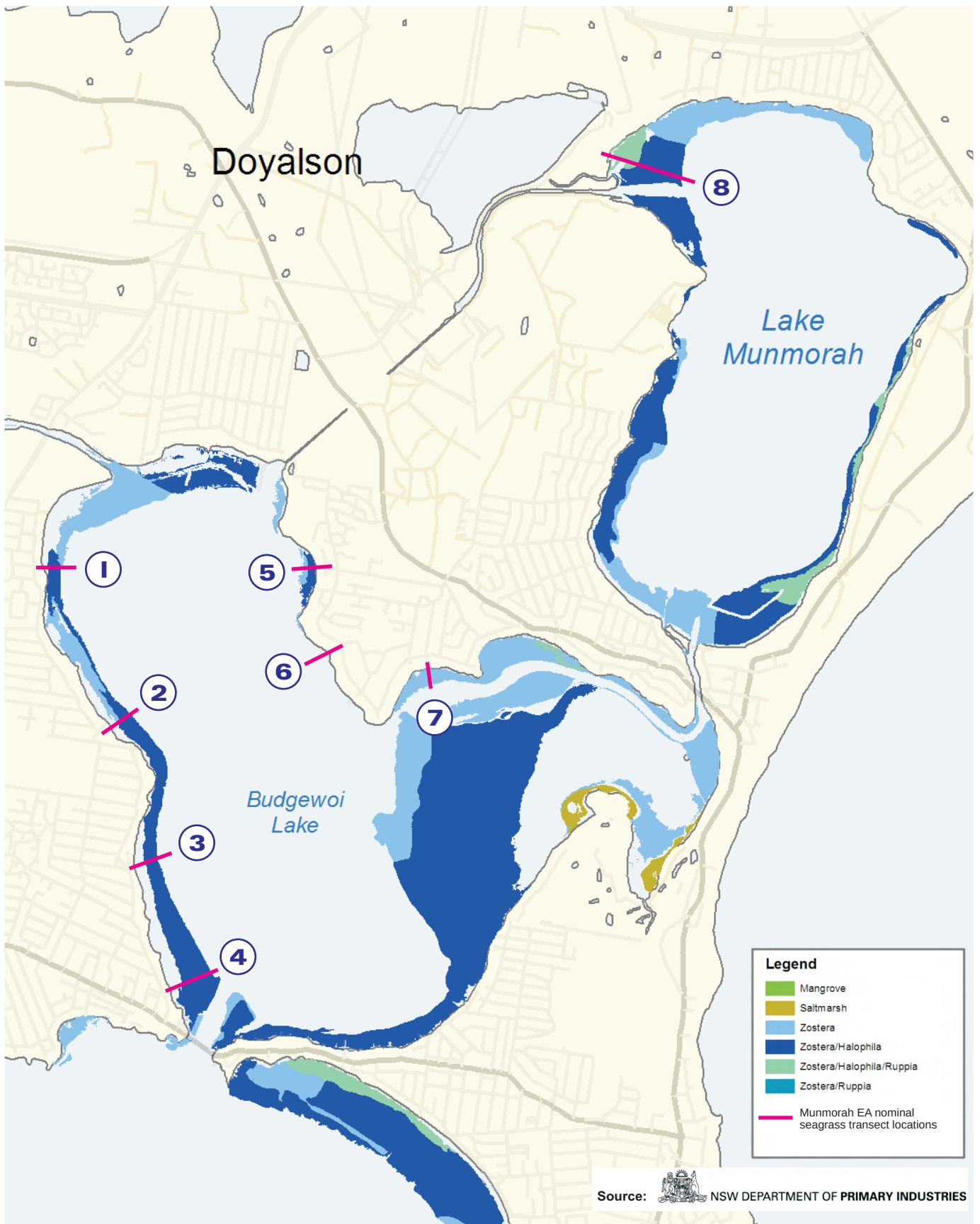






Lake Munmorah Power Station  
Thermal Plume Temperature Points  
Mapped 15/01/09 10:40 - 14:20





SCALE

0 1.5 3km

Munmorah EA

**FIGURE 1: Nominal Seagrass Transect Locations**