TABLE 1. Correlation matrix for the algae at 2m and 4m at all sites other than the 4m depth at both Doctors Rocks transects.

**KEY:**
- BHR - Boat Harbour;
- DRW - Doctors Rocks West;
- DRE - Doctors Rocks East;
- BUR - Burnie;
- TIW - Tioxide West;
- TIE - Tioxide East;
- SCK - Sulphur Creek;
- PEN - Penguin;
- SIS - Three Sisters Rocks.

(Values > 0.4 significant at P < .001)

Values > 0.7 are underlined for clarity.

<table>
<thead>
<tr>
<th></th>
<th>BIIR4</th>
<th>BUR4</th>
<th>TIW4</th>
<th>TIE4</th>
<th>SCK4</th>
<th>PEN4</th>
<th>SIS4</th>
<th>BHR2</th>
<th>DRW2</th>
<th>DRE2</th>
<th>Bur2</th>
<th>TIW2</th>
<th>TIE2</th>
<th>SCK2</th>
<th>PEN2</th>
<th>SIS2</th>
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<td>0.14</td>
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<td>0.00</td>
<td>0.57</td>
<td>0.87</td>
<td>0.14</td>
<td>0.27</td>
<td>0.57</td>
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<td>0.11</td>
<td>0.35</td>
<td>0.41</td>
<td>0.38</td>
<td>0.38</td>
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<td>0.38</td>
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TABLE 2. Correlation matrix for algae and animals at the 2m depth based upon presence/absence data.

KEY: As for TABLE 1.

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<th>DRE</th>
<th>BUR</th>
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<th>TIE</th>
<th>SCK</th>
<th>PEN</th>
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<td>.52</td>
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<td>.69</td>
<td>.17</td>
<td>.44</td>
<td>.21</td>
<td>.23</td>
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</tbody>
</table>

BHR DRW DRE BUR TIW TIE SCK PEN
FIGURE 1. Map of Northwestern Tasmania showing transect sites.
FIGURE 2. Graph of total algal species and major groups of species at 2 m depth.

FIGURE 3. Graph of total algal species and major groups of species at 4 m depth.
FIGURE 4. Graph of total animal species observed near the transects at 2 m depth.

FIGURE 5. Graph of total animal species observed near the transects at 4 m depth.
FIGURE 6. Graph of total animal species collected from the quadrats at 2 m depth.

FIGURE 7. Graph of total animal species collected from the quadrats at 4 m depth.
FIGURE 8. Graph of total percent cover for the algae and major groups of algae at 2 m depth.

FIGURE 9. Graph of total percent cover for the algae and major groups of algae at 4 m depth.
FIGURE 10. Graph of percent cover for all coralline algae at 2 m depth.

FIGURE 11. Graph of percent cover for all coralline algae at 4 m depth.
FIGURE 12. Graph of percent cover for *Acrocarpia paniculata* at 2 m depth.

FIGURE 13. Graph of percent cover for *Acrocarpia paniculata* at 4 m depth.
FIGURE 14. Graph of percent cover for *Ecklonia radiata* at 2 m depth.

![Graph of percent cover for *Ecklonia radiata* at 2 m depth.](image)

FIGURE 15. Graph of percent cover for *Ecklonia radiata* at 4 m depth.

![Graph of percent cover for *Ecklonia radiata* at 4 m depth.](image)
FIGURE 16. Graph of percent cover for *Zonaria* spp. and *Macrocystis* spp. at 2 m depth.

![Graph of percent cover for Zonaria spp. and Macrocystis spp. at 2 m depth.](image)

FIGURE 17. Graph of percent cover for *Zonaria* spp. and *Macrocystis* spp. at 4 m depth.

![Graph of percent cover for Zonaria spp. and Macrocystis spp. at 4 m depth.](image)
FIGURE 18. Graph of percent cover for *Halopteris* sp. at 2 m depth.

FIGURE 19. Graph of percent cover for *Halopteris* sp. at 4 m depth.
FIGURE 20. Graph of number of bivalve molluscs per quadrat at 2 m depth.

FIGURE 21. Graph of number of bivalve molluscs per quadrat at 4 m depth.
FIGURE 22. Graph of number of echinoderms per quadrat at 2 m depth.

FIGURE 23. Graph of number of echinoderms per quadrat at 4 m depth.
FIGURE 24. Graph of number of gastropod molluscs per quadrat at 2 m depth.

FIGURE 25. Graph of number of gastropod molluscs per quadrat at 4 m depth.
FIGURE 26. Dendrogram of similarity between sites and depths based upon a cluster analysis of algal percentage cover.
FIGURE 27. Reduced visibility at 4 m depth, Tioxide East transect.

FIGURE 28. Quadrat at 4 m depth, Sulphur Creek transect, showing depauperate flora.
FIGURE 29. Algal community at 4 m depth, Doctors Rocks West transect, showing clean substrate and well developed flora.

FIGURE 30. Foam washing up on the beach at Burnie.