

表格 D：

大潭電廠增建燃氣複循環機組發電計畫 106 年第 4 季環境監測成果摘要

| 環境監測計畫摘要   | 辦 理 情 形   |        |                   |       |       |       |       |       |        |      |  |
|--|---|--------|-------------------|-------|-------|-------|-------|-------|--------|------|--|
| <p>施工暨營運期間監測項目</p> <p>一、空氣品質—</p> <p>監測項目：風向、風速、懸浮微粒(TSP、PM<sub>10</sub>、PM<sub>2.5</sub>)、二氧化氮(NO<sub>2</sub>)及氮氧化物(NO<sub>x</sub>)、二氧化硫(SO<sub>2</sub>)、臭氧(O<sub>3</sub>)。</p> <p>監測地點：永安、大潭、觀音、新屋、新坡、大坡等國小，共計 6 站。</p> <p>監測頻率：每季 1 次，每次連續 24 小時。</p> | 一、執行情形：106 年第 4 季(106 年 10 月 25~27、11 月 14~19 日)。 |        |                   |       |       |       |       |       |        |      |  |
|  | 二、監測值：  |        |                   |       |       |       |       |       |        |      |  |
|  | 項目  | 單位     | 大潭國小              | 新坡國小  | 新屋國小  | 觀音國小  | 永安國小  | 大坡國小  | 空氣品質標準 |      |  |
|  | SO <sub>2</sub>                                   | 小時平均值  | ppm               | 0.007 | 0.006 | 0.004 | 0.006 | 0.004 | 0.005  | 0.25 |  |
|  |   | 日平均值   | ppm               | 0.004 | 0.004 | 0.003 | 0.005 | 0.003 | 0.003  | 0.1  |  |
|  | NO <sub>2</sub>                                   | 小時平均值  | ppm               | 0.017 | 0.022 | 0.018 | 0.030 | 0.018 | 0.021  | 0.25 |  |
|  |   | 日平均值   | ppm               | 0.014 | 0.013 | 0.015 | 0.018 | 0.015 | 0.009  | —    |  |
|  | NO <sub>x</sub>                                   | 小時平均值  | ppm               | 0.024 | 0.028 | 0.034 | 0.039 | 0.034 | 0.070  | —    |  |
|  |   | 日平均值   | ppm               | 0.020 | 0.019 | 0.024 | 0.022 | 0.024 | 0.017  | —    |  |
|  | O <sub>3</sub>                                    | 小時平均值  | ppm               | 0.076 | 0.042 | 0.071 | 0.017 | 0.071 | 0.013  | 0.12 |  |
|  |   | 八小時平均值 | ppm               | 0.049 | 0.037 | 0.052 | 0.028 | 0.050 | 0.033  | 0.06 |  |
|  | TSP   |        | µg/m <sup>3</sup> | 109   | 65    | 139   | 105   | 122   | 101    | 250  |  |
|  | PM <sub>10</sub>                                  |        | µg/m <sup>3</sup> | 53    | 27    | 68    | 45    | 58    | 47     | 125  |  |
|  | PM <sub>2.5</sub>                                 |        | µg/m <sup>3</sup> | 20    | 11    | 16    | 14    | 26    | 14     | 35   |  |
|  | 風速  | 日平均值   | m/s               | 1.4   | 4.2   | 1.4   | 5.0   | 1.5   | 5.4    | —    |  |
| 風向   | 盛行風向  | 16 方位  | NE                | NE    | ENE   | NE    | WNW   | E     | —      |      |  |
| 三、摘要：本季各測站監測項目均符合空氣品質標準。   |   |        |                   |       |       |       |       |       |        |      |  |
| 四、異常狀況處理情形：無。  |   |        |                   |       |       |       |       |       |        |      |  |

| 環境監測計畫摘要   | 辦 理 情 形  |  |                   |  |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
|--|--|--|-------------------|--|----------|----------|----|------------------|----------|-------------------|----------|----|---|-----------|---|-----------|---|----|-----|---------|---|---------|---|----|------|---------|-------|---------|-------|----|---|---------|-------|---------|-----|----|------|----------|------|---------|-------|----|------|---------|---|-----------|---|-------|-----------|--|-------------------|--|---|----|------|-----------|-------|-----------|---|---|------|-----------|--------|-----------|--------|---|------|-----------|-------|-----------|-------|---|------|--------------|--------|----------------|--------|---|------|--------------|---------|-------------|---------|---|------|------------------|---------|---------------|---------|-----|------|-----------|-------|---------|-------|-----|---------|-------------|---|-----------|---|----|------|-------------|---|-------------|---|--------------------|------|-----------|---|-----------|---|----------|------|--|------|--|------|-----|------|-----|-------|----------|----------|------------|------------|----------|------|------|------|------|-----------|------|------|------|------|-----------|------|------|------|------|-----------|------|------|------|------|----------|------|--|-----|--|----|----|----|----|-------|-------------|---------------|---------------|---------------|----------|------|------|------|------|----------|------|------|------|------|-----------|------|------|------|------|-----------|-------|-------|-------|-------|-----------|------|------|------|------|
| <p>二、河川水質－</p> <p>監測項目：溶氧量(DO)、pH、生化需氧量(BOD)、懸浮固體(SS)、氨氮、濁度、導電度、水溫、指標生物、總磷、硝酸鹽氮(NO<sub>3</sub>-N)、氯鹽、大腸桿菌群、重金屬(銅、鋅、鉛、鎘、汞)。</p> <p>監測地點：小飯壠溪口及新屋溪口各 1 處，共計 2 站。</p> <p>監測頻率：每季 1 次，含漲、退潮水樣。</p> | <p>一、執行情形：</p> <p>1.水質分析：106 年第 4 季(106 年 11 月 15 日)。</p> <p>2.指標生物：106 年第 4 季(106 年 11 月 14~15 日)。</p> <p>二、監測值：</p> <p>1.水質分析：</p> <table border="1" data-bbox="544 443 1449 1178"> <thead> <tr> <th>測站<br/>項目</th> <th>單位</th> <th>測站 1(新屋溪)<br/>漲退潮</th> <th>丙類<br/>標準</th> <th>測站 2(小飯壠溪)<br/>漲退潮</th> <th>丁類<br/>標準</th> </tr> </thead> <tbody> <tr> <td>溫度</td> <td>℃</td> <td>23.4~23.6</td> <td>—</td> <td>23.2~23.3</td> <td>—</td> </tr> <tr> <td>濁度</td> <td>NTU</td> <td>5.9~6.4</td> <td>—</td> <td>3.8~5.3</td> <td>—</td> </tr> <tr> <td>DO</td> <td>mg/L</td> <td>4.6~5.6</td> <td>≥ 4.5</td> <td>4.1~5.0</td> <td>≥ 3.0</td> </tr> <tr> <td>pH</td> <td>—</td> <td>7.7~7.8</td> <td>6.5~9</td> <td>7.5~8.2</td> <td>6~9</td> </tr> <tr> <td>SS</td> <td>mg/L</td> <td>8.0~10.8</td> <td>≤ 40</td> <td>7.3~7.8</td> <td>≤ 100</td> </tr> <tr> <td>氯鹽</td> <td>mg/L</td> <td>228~419</td> <td>—</td> <td>313~1,160</td> <td>—</td> </tr> <tr> <td>大腸桿菌群</td> <td>CFU/100mL</td> <td>2.2×10<sup>3</sup>~5.2×10<sup>3</sup></td> <td>≤ 10<sup>4</sup></td> <td>4.1×10<sup>2</sup>~6.3×10<sup>3</sup></td> <td>—</td> </tr> <tr> <td>氨氮</td> <td>mg/L</td> <td>1.38~3.84</td> <td>≤ 0.3</td> <td>0.32~0.61</td> <td>—</td> </tr> <tr> <td>銅</td> <td>mg/L</td> <td>0.05~0.07</td> <td>≤ 0.03</td> <td>0.01~0.02</td> <td>≤ 0.03</td> </tr> <tr> <td>鋅</td> <td>mg/L</td> <td>0.19~0.21</td> <td>≤ 0.5</td> <td>0.20~0.21</td> <td>≤ 0.5</td> </tr> <tr> <td>鉛</td> <td>mg/L</td> <td>均為 ND≤0.0119</td> <td>≤ 0.01</td> <td>ND≤0.0119~0.02</td> <td>≤ 0.01</td> </tr> <tr> <td>鎘</td> <td>mg/L</td> <td>均為 ND≤0.0028</td> <td>≤ 0.005</td> <td>0.003~0.004</td> <td>≤ 0.005</td> </tr> <tr> <td>汞</td> <td>mg/L</td> <td>ND≤0.0003~0.0007</td> <td>≤ 0.001</td> <td>0.0005~0.0006</td> <td>≤ 0.001</td> </tr> <tr> <td>BOD</td> <td>mg/L</td> <td>11.6~12.7</td> <td>≤ 4.0</td> <td>6.5~8.5</td> <td>≤ 8.0</td> </tr> <tr> <td>導電度</td> <td>µmho/cm</td> <td>1,100~1,140</td> <td>—</td> <td>854~4,470</td> <td>—</td> </tr> <tr> <td>總磷</td> <td>mg/L</td> <td>0.288~2.360</td> <td>—</td> <td>0.196~0.230</td> <td>—</td> </tr> <tr> <td>NO<sub>3</sub>-N</td> <td>mg/L</td> <td>0.98~0.99</td> <td>—</td> <td>0.42~0.60</td> <td>—</td> </tr> </tbody> </table> <p>註：1.依桃園市政府於 104.11.19 公告「新屋溪水區及水體分類」劃定丙類陸域地面水體水質標準；小飯壠溪測站尚未劃定水體分類，仍暫以丁類陸域地面水體水質標準之比較基準。</p> <p>2.法規標準乃採用民國 106 年 9 月 13 日(環署水字第 1060071140 號)環保署修正公布之「地面水體分類及水質標準」。</p> <p>3."■"表示超過標準值。</p> <p>2.指標生物：</p> <p>(1)魚類資源、底棲生物：</p> <table border="1" data-bbox="544 1464 1449 1715"> <thead> <tr> <th rowspan="2">測站<br/>項目</th> <th colspan="2">魚類資源</th> <th colspan="2">底棲生物</th> </tr> <tr> <th>小飯壠溪</th> <th>新屋溪</th> <th>小飯壠溪</th> <th>新屋溪</th> </tr> </thead> <tbody> <tr> <td>種類、數量</td> <td>8 種 17 尾</td> <td>9 種 20 尾</td> <td>10 種 21 隻次</td> <td>11 種 26 隻次</td> </tr> <tr> <td>優勢度指數(λ)</td> <td>0.83</td> <td>0.87</td> <td>0.84</td> <td>0.87</td> </tr> <tr> <td>多樣性指數(H')</td> <td>0.83</td> <td>0.92</td> <td>0.89</td> <td>0.96</td> </tr> <tr> <td>豐富度指標(SR)</td> <td>5.69</td> <td>6.15</td> <td>6.81</td> <td>7.07</td> </tr> <tr> <td>均勻度指數(J')</td> <td>0.92</td> <td>0.96</td> <td>0.89</td> <td>0.92</td> </tr> </tbody> </table> <p>(2)浮游植物：</p> <table border="1" data-bbox="544 1751 1449 2056"> <thead> <tr> <th rowspan="2">測站<br/>項目</th> <th colspan="2">小飯壠溪</th> <th colspan="2">新屋溪</th> </tr> <tr> <th>乾潮</th> <th>滿潮</th> <th>乾潮</th> <th>滿潮</th> </tr> </thead> <tbody> <tr> <td>種類、數量</td> <td>31 種 980 隻次</td> <td>32 種 1,135 隻次</td> <td>33 種 1,050 隻次</td> <td>32 種 1,120 隻次</td> </tr> <tr> <td>藻屬指數(GI)</td> <td>0.30</td> <td>0.32</td> <td>0.30</td> <td>0.31</td> </tr> <tr> <td>優勢度指數(λ)</td> <td>0.94</td> <td>0.94</td> <td>0.95</td> <td>0.94</td> </tr> <tr> <td>多樣性指數(H')</td> <td>1.34</td> <td>1.35</td> <td>1.38</td> <td>1.37</td> </tr> <tr> <td>豐富度指標(SR)</td> <td>10.03</td> <td>10.15</td> <td>10.59</td> <td>10.17</td> </tr> <tr> <td>均勻度指數(J')</td> <td>0.90</td> <td>0.90</td> <td>0.91</td> <td>0.91</td> </tr> </tbody> </table> |  |                   |  |          | 測站<br>項目 | 單位 | 測站 1(新屋溪)<br>漲退潮 | 丙類<br>標準 | 測站 2(小飯壠溪)<br>漲退潮 | 丁類<br>標準 | 溫度 | ℃ | 23.4~23.6 | — | 23.2~23.3 | — | 濁度 | NTU | 5.9~6.4 | — | 3.8~5.3 | — | DO | mg/L | 4.6~5.6 | ≥ 4.5 | 4.1~5.0 | ≥ 3.0 | pH | — | 7.7~7.8 | 6.5~9 | 7.5~8.2 | 6~9 | SS | mg/L | 8.0~10.8 | ≤ 40 | 7.3~7.8 | ≤ 100 | 氯鹽 | mg/L | 228~419 | — | 313~1,160 | — | 大腸桿菌群 | CFU/100mL | 2.2×10 <sup>3</sup> ~5.2×10 <sup>3</sup> | ≤ 10 <sup>4</sup> | 4.1×10 <sup>2</sup> ~6.3×10 <sup>3</sup> | — | 氨氮 | mg/L | 1.38~3.84 | ≤ 0.3 | 0.32~0.61 | — | 銅 | mg/L | 0.05~0.07 | ≤ 0.03 | 0.01~0.02 | ≤ 0.03 | 鋅 | mg/L | 0.19~0.21 | ≤ 0.5 | 0.20~0.21 | ≤ 0.5 | 鉛 | mg/L | 均為 ND≤0.0119 | ≤ 0.01 | ND≤0.0119~0.02 | ≤ 0.01 | 鎘 | mg/L | 均為 ND≤0.0028 | ≤ 0.005 | 0.003~0.004 | ≤ 0.005 | 汞 | mg/L | ND≤0.0003~0.0007 | ≤ 0.001 | 0.0005~0.0006 | ≤ 0.001 | BOD | mg/L | 11.6~12.7 | ≤ 4.0 | 6.5~8.5 | ≤ 8.0 | 導電度 | µmho/cm | 1,100~1,140 | — | 854~4,470 | — | 總磷 | mg/L | 0.288~2.360 | — | 0.196~0.230 | — | NO <sub>3</sub> -N | mg/L | 0.98~0.99 | — | 0.42~0.60 | — | 測站<br>項目 | 魚類資源 |  | 底棲生物 |  | 小飯壠溪 | 新屋溪 | 小飯壠溪 | 新屋溪 | 種類、數量 | 8 種 17 尾 | 9 種 20 尾 | 10 種 21 隻次 | 11 種 26 隻次 | 優勢度指數(λ) | 0.83 | 0.87 | 0.84 | 0.87 | 多樣性指數(H') | 0.83 | 0.92 | 0.89 | 0.96 | 豐富度指標(SR) | 5.69 | 6.15 | 6.81 | 7.07 | 均勻度指數(J') | 0.92 | 0.96 | 0.89 | 0.92 | 測站<br>項目 | 小飯壠溪 |  | 新屋溪 |  | 乾潮 | 滿潮 | 乾潮 | 滿潮 | 種類、數量 | 31 種 980 隻次 | 32 種 1,135 隻次 | 33 種 1,050 隻次 | 32 種 1,120 隻次 | 藻屬指數(GI) | 0.30 | 0.32 | 0.30 | 0.31 | 優勢度指數(λ) | 0.94 | 0.94 | 0.95 | 0.94 | 多樣性指數(H') | 1.34 | 1.35 | 1.38 | 1.37 | 豐富度指標(SR) | 10.03 | 10.15 | 10.59 | 10.17 | 均勻度指數(J') | 0.90 | 0.90 | 0.91 | 0.91 |
| 測站<br>項目   | 單位   | 測站 1(新屋溪)<br>漲退潮                         | 丙類<br>標準          | 測站 2(小飯壠溪)<br>漲退潮                        | 丁類<br>標準 |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 溫度   | ℃  | 23.4~23.6                                | —                 | 23.2~23.3                                | —        |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 濁度   | NTU  | 5.9~6.4                                  | —                 | 3.8~5.3                                  | —        |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| DO   | mg/L   | 4.6~5.6                                  | ≥ 4.5             | 4.1~5.0                                  | ≥ 3.0    |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| pH   | —  | 7.7~7.8                                  | 6.5~9             | 7.5~8.2                                  | 6~9      |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| SS   | mg/L   | 8.0~10.8                                 | ≤ 40              | 7.3~7.8                                  | ≤ 100    |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 氯鹽   | mg/L   | 228~419                                  | —                 | 313~1,160                                | —        |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 大腸桿菌群  | CFU/100mL  | 2.2×10 <sup>3</sup> ~5.2×10 <sup>3</sup> | ≤ 10 <sup>4</sup> | 4.1×10 <sup>2</sup> ~6.3×10 <sup>3</sup> | —        |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 氨氮   | mg/L   | 1.38~3.84                                | ≤ 0.3             | 0.32~0.61                                | —        |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 銅  | mg/L   | 0.05~0.07                                | ≤ 0.03            | 0.01~0.02                                | ≤ 0.03   |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 鋅  | mg/L   | 0.19~0.21                                | ≤ 0.5             | 0.20~0.21                                | ≤ 0.5    |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 鉛  | mg/L   | 均為 ND≤0.0119                             | ≤ 0.01            | ND≤0.0119~0.02                           | ≤ 0.01   |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 鎘  | mg/L   | 均為 ND≤0.0028                             | ≤ 0.005           | 0.003~0.004                              | ≤ 0.005  |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 汞  | mg/L   | ND≤0.0003~0.0007                         | ≤ 0.001           | 0.0005~0.0006                            | ≤ 0.001  |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| BOD  | mg/L   | 11.6~12.7                                | ≤ 4.0             | 6.5~8.5                                  | ≤ 8.0    |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 導電度  | µmho/cm  | 1,100~1,140                              | —                 | 854~4,470                                | —        |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 總磷   | mg/L   | 0.288~2.360                              | —                 | 0.196~0.230                              | —        |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| NO <sub>3</sub> -N   | mg/L   | 0.98~0.99                                | —                 | 0.42~0.60                                | —        |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 測站<br>項目   | 魚類資源   |  | 底棲生物              |  |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
|  | 小飯壠溪   | 新屋溪                                      | 小飯壠溪              | 新屋溪                                      |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 種類、數量  | 8 種 17 尾   | 9 種 20 尾                                 | 10 種 21 隻次        | 11 種 26 隻次                               |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 優勢度指數(λ)   | 0.83   | 0.87                                     | 0.84              | 0.87                                     |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 多樣性指數(H')  | 0.83   | 0.92                                     | 0.89              | 0.96                                     |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 豐富度指標(SR)  | 5.69   | 6.15                                     | 6.81              | 7.07                                     |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 均勻度指數(J')  | 0.92   | 0.96                                     | 0.89              | 0.92                                     |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 測站<br>項目   | 小飯壠溪   |  | 新屋溪               |  |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
|  | 乾潮   | 滿潮                                       | 乾潮                | 滿潮                                       |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 種類、數量  | 31 種 980 隻次  | 32 種 1,135 隻次                            | 33 種 1,050 隻次     | 32 種 1,120 隻次                            |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 藻屬指數(GI)   | 0.30   | 0.32                                     | 0.30              | 0.31                                     |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 優勢度指數(λ)   | 0.94   | 0.94                                     | 0.95              | 0.94                                     |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 多樣性指數(H')  | 1.34   | 1.35                                     | 1.38              | 1.37                                     |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 豐富度指標(SR)  | 10.03  | 10.15                                    | 10.59             | 10.17                                    |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |
| 均勻度指數(J')  | 0.90   | 0.90                                     | 0.91              | 0.91                                     |          |          |    |                  |          |                   |          |    |   |           |   |           |   |    |     |         |   |         |   |    |      |         |       |         |       |    |   |         |       |         |     |    |      |          |      |         |       |    |      |         |   |           |   |       |           |  |                   |  |   |    |      |           |       |           |   |   |      |           |        |           |        |   |      |           |       |           |       |   |      |              |        |                |        |   |      |              |         |             |         |   |      |                  |         |               |         |     |      |           |       |         |       |     |         |             |   |           |   |    |      |             |   |             |   |                    |      |           |   |           |   |          |      |  |      |  |      |     |      |     |       |          |          |            |            |          |      |      |      |      |           |      |      |      |      |           |      |      |      |      |           |      |      |      |      |          |      |  |     |  |    |    |    |    |       |             |               |               |               |          |      |      |      |      |          |      |      |      |      |           |      |      |      |      |           |       |       |       |       |           |      |      |      |      |

| 環境監測計畫摘要  | 辦理情形   |          |          |          |          |
|---|--|----------|----------|----------|----------|
| 摘   | (3)浮游動物：   |          |          |          |          |
|   | 測站   | 小飯壠溪     |          | 新屋溪      |          |
|   | 項目   | 乾潮       | 滿潮       | 乾潮       | 滿潮       |
|   | 種類、數量  | 9種 200隻次 | 6種 185隻次 | 7種 245隻次 | 6種 205隻次 |
|   | 優勢度指數( $\lambda$ )   | 0.84     | 0.77     | 0.82     | 0.80     |
|   | 多樣性指數(H')  | 0.86     | 0.69     | 0.79     | 0.73     |
|   | 豐富度指標(SR)  | 3.48     | 2.21     | 2.51     | 2.16     |
|   | 均勻度指數(J)   | 0.90     | 0.89     | 0.93     | 0.94     |
|   | <p>三、摘要：本季新屋溪測站之水質採用標準係依據桃園市政府 104 年 11 月 19 日府環水字第 1040295024 號公告之新屋溪水區及水體分類，劃定新屋溪為丙類水體分類等級；另小飯壠溪尚無劃定水體分類等級，故暫以丁類水體分類等級。另依據民國 106 年 9 月 13 日行政院環境保護署環署水字第 1060071140 號令修正公告之地面水體分類及水質標準，分別做為各測站水體之水質標準，其河川水質及指標生物採樣分析如下：</p>  |          |          |          |          |
|   | <p>1.水質分析：本季測站 1(新屋溪)漲退潮時段之氨氮、銅、鉛、生化需氧量四項目測值均未符合丙類地面水體水質標準；測站 2(小飯壠溪)漲退潮時段之鉛、生化需氧量兩項目測值未符合丁類地面水體水質標準，其餘各項測值均符合所屬水體分類之水質標準。</p> <p>2.指標生物：本季小飯壠溪及新屋溪出海口測站共紀錄魚類 9 科 11 種 37 尾，底棲生物 7 科 14 種 47 隻次，浮游植物 3 門 33 屬 51 種，浮游動物 3 門 13 屬 13 種。採樣過程中，小飯壠溪及新屋溪測站仍可捕獲指標魚種，而捕獲之指標魚種個體外表及採樣之水域環境均未發現特殊明顯異常情形。</p> |          |          |          |          |
| <p>四、異常狀況處理情形：</p>  |  |          |          |          |          |
| <p>1.由於大潭發電廠廢污水皆經妥善處理至放流水標準後方排放至承受水體小飯壠溪，並未排放至新屋溪；且新屋溪測站之銅項目測值自 91 年起於大潭電廠營運前即有超標情形，因此新屋溪測站銅項目測值超標情形應非大潭電廠運轉所造成。</p>  |  |          |          |          |          |
| <p>2.由於新屋溪測站應桃園市政府公告之該水區及水體分類，劃定為丙類水體分類，本季除上述銅項目有超標情形外，氨氮及生化需氧量等兩項目亦有超標之情形。雖非為本計畫之承受水體，後續仍關注其測值變化，以達全河段水體水質提升為目標。</p> |  |          |          |          |          |
| <p>3.本季起小飯壠溪測站採加嚴生化需氧量及重金屬鉛之水質標準，故該測站未能符合新訂之丁類地面水體水質標準，但仍介於過去測值變化範圍內，並無明顯異常情形。</p>                                    |  |          |          |          |          |

| 環境監測計畫摘要   | 辦理情形  |  |             |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
|--|---|--|-------------|--|---------|----|--|------------|----|----|-----------|---|----|---|---------|---------|----|------|----------|---|-----|------|--------|------|-----|------|---------|---|-----|------|-------------|---|----|------|------|---|----|------|---------|------|----|-----|-----------|---|---|------|------------------|-------|---|------|--------------|------|---|------|---------------|------|---|------|------|-----|---|------|-----------|-----|-------|-----------|-------------------------|---|----------------|------|-----------|---|---------|----|--------------------------------|-------------|------------|------|---|-----------|---|---|-------|----------|-----|---|-------|-----------|-----|---|-------|-----------|-----|---|-------|-----------|-----|---|-------|---------------|---|---|-------|-------------|-----|
| <p>三、海域水質－</p> <p>監測項目：</p> <p>1.水質：水溫、pH、鹽度、溶氧量(DO)、生化需氧量(BOD)、懸浮固體(SS)、硝酸鹽、氮氣、磷酸鹽、重金屬(銅、鋅、鉛、鎘、汞)、大腸桿菌群、餘氯(總殘餘氧化劑)。</p> <p>2.底質：有機物及重金屬(銅、鋅、鉛、鎘、汞、鐵)等。</p> <p>監測地點：大潭電廠以北1公里處海域1站、小飯壠溪至社子溪口溪海域-10公尺、-20公尺等深線處6站，共計7站。</p> <p>監測頻率：</p> <p>1.水質：每季1次，均採表、中、底層水樣。</p> <p>2.底質：每季1次，採海底底層。</p> | <p>一、執行情形：106年第4季(106年11月29日)。</p> <p>二、監測值：</p> <p>1.水質：</p> <table border="1" data-bbox="544 360 1442 1077"> <thead> <tr> <th>項目 \ 測站</th> <th>單位</th> <th>3A、3B、4A、4B、5A、5B、大潭電廠以北1公里處海域(表、中、底層)</th> <th>丙類海域水體水質標準</th> </tr> </thead> <tbody> <tr><td>水溫</td><td>°C</td><td>20.3~22.3</td><td>—</td></tr> <tr><td>pH</td><td>—</td><td>8.1~8.2</td><td>7.0~8.5</td></tr> <tr><td>SS</td><td>mg/L</td><td>6.2~41.8</td><td>—</td></tr> <tr><td>BOD</td><td>mg/L</td><td>均為&lt;1.0</td><td>≤6.0</td></tr> <tr><td>硝酸鹽</td><td>mg/L</td><td>ND~0.96</td><td>—</td></tr> <tr><td>磷酸鹽</td><td>mg/L</td><td>0.081~0.296</td><td>—</td></tr> <tr><td>氮氣</td><td>mg/L</td><td>均為ND</td><td>—</td></tr> <tr><td>DO</td><td>mg/L</td><td>7.4~7.8</td><td>≥2.0</td></tr> <tr><td>鹽度</td><td>PSU</td><td>29.7~30.9</td><td>—</td></tr> <tr><td>汞</td><td>mg/L</td><td>ND&lt;0.0003~0.0007</td><td>0.002</td></tr> <tr><td>鎘</td><td>mg/L</td><td>均為ND&lt;0.00007</td><td>0.01</td></tr> <tr><td>銅</td><td>mg/L</td><td>0.0002~0.0026</td><td>0.03</td></tr> <tr><td>鉛</td><td>mg/L</td><td>均為ND</td><td>0.1</td></tr> <tr><td>鋅</td><td>mg/L</td><td>ND~0.0008</td><td>0.5</td></tr> <tr><td>大腸桿菌群</td><td>CFU/100mL</td><td>&lt;10~1.2×10<sup>4</sup></td><td>—</td></tr> <tr><td>餘氯<br/>(總殘餘氧化劑)</td><td>mg/L</td><td>0.08~0.72</td><td>—</td></tr> </tbody> </table> <p>2.底質：</p> <table border="1" data-bbox="544 1122 1442 1581"> <thead> <tr> <th rowspan="2">項目 \ 測站</th> <th rowspan="2">單位</th> <th rowspan="2">3A、3B、4A、4B、5A、5B、大潭電廠以北1公里處海域</th> <th>NOAA 海域底質規範</th> </tr> <tr> <th>可能影響值(PEL)</th> </tr> </thead> <tbody> <tr><td>總有機物</td><td>%</td><td>0.68~1.31</td><td>—</td></tr> <tr><td>鋅</td><td>mg/kg</td><td>24.9~101</td><td>271</td></tr> <tr><td>鉛</td><td>mg/kg</td><td>15.0~18.3</td><td>112</td></tr> <tr><td>鎘</td><td>mg/kg</td><td>0.54~0.70</td><td>4.2</td></tr> <tr><td>銅</td><td>mg/kg</td><td>18.4~35.8</td><td>108</td></tr> <tr><td>鐵</td><td>mg/kg</td><td>26,500~31,900</td><td>—</td></tr> <tr><td>汞</td><td>mg/kg</td><td>0.037~0.203</td><td>0.7</td></tr> </tbody> </table> <p>註：1.美國國家海洋大氣管理局(NOAA)訂定之海域底質基準，當底質濃度超過PEL值時，則會經常地對生物造成危害。<br/>2.“—”表無該項檢測值。</p> <p>三、摘要：本季海域水質及海域底質採樣結果分析如下：</p> <p>1.水質：本季海域水質各測站項目測值均符合丙類海域海洋環境品質標準，並無明顯異常情形出現；海水重金屬各測站項目測值均符合保護人體健康之海洋環境水質標準。</p> <p>2.底質：本季海域底質各測站重金屬項目測值除鐵項目無訂定基準值之外，其餘重金屬項目均低於參考美國國家海洋大氣管理局(NOAA)訂定之海域底質基準。</p> <p>四、異常狀況處理情形：無。</p> |  |             |  | 項目 \ 測站 | 單位 | 3A、3B、4A、4B、5A、5B、大潭電廠以北1公里處海域(表、中、底層) | 丙類海域水體水質標準 | 水溫 | °C | 20.3~22.3 | — | pH | — | 8.1~8.2 | 7.0~8.5 | SS | mg/L | 6.2~41.8 | — | BOD | mg/L | 均為<1.0 | ≤6.0 | 硝酸鹽 | mg/L | ND~0.96 | — | 磷酸鹽 | mg/L | 0.081~0.296 | — | 氮氣 | mg/L | 均為ND | — | DO | mg/L | 7.4~7.8 | ≥2.0 | 鹽度 | PSU | 29.7~30.9 | — | 汞 | mg/L | ND<0.0003~0.0007 | 0.002 | 鎘 | mg/L | 均為ND<0.00007 | 0.01 | 銅 | mg/L | 0.0002~0.0026 | 0.03 | 鉛 | mg/L | 均為ND | 0.1 | 鋅 | mg/L | ND~0.0008 | 0.5 | 大腸桿菌群 | CFU/100mL | <10~1.2×10 <sup>4</sup> | — | 餘氯<br>(總殘餘氧化劑) | mg/L | 0.08~0.72 | — | 項目 \ 測站 | 單位 | 3A、3B、4A、4B、5A、5B、大潭電廠以北1公里處海域 | NOAA 海域底質規範 | 可能影響值(PEL) | 總有機物 | % | 0.68~1.31 | — | 鋅 | mg/kg | 24.9~101 | 271 | 鉛 | mg/kg | 15.0~18.3 | 112 | 鎘 | mg/kg | 0.54~0.70 | 4.2 | 銅 | mg/kg | 18.4~35.8 | 108 | 鐵 | mg/kg | 26,500~31,900 | — | 汞 | mg/kg | 0.037~0.203 | 0.7 |
| 項目 \ 測站  | 單位  | 3A、3B、4A、4B、5A、5B、大潭電廠以北1公里處海域(表、中、底層) | 丙類海域水體水質標準  |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 水溫   | °C  | 20.3~22.3                              | —           |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| pH   | —   | 8.1~8.2                                | 7.0~8.5     |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| SS   | mg/L  | 6.2~41.8                               | —           |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| BOD  | mg/L  | 均為<1.0                                 | ≤6.0        |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 硝酸鹽  | mg/L  | ND~0.96                                | —           |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 磷酸鹽  | mg/L  | 0.081~0.296                            | —           |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 氮氣   | mg/L  | 均為ND                                   | —           |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| DO   | mg/L  | 7.4~7.8                                | ≥2.0        |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 鹽度   | PSU   | 29.7~30.9                              | —           |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 汞  | mg/L  | ND<0.0003~0.0007                       | 0.002       |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 鎘  | mg/L  | 均為ND<0.00007                           | 0.01        |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 銅  | mg/L  | 0.0002~0.0026                          | 0.03        |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 鉛  | mg/L  | 均為ND                                   | 0.1         |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 鋅  | mg/L  | ND~0.0008                              | 0.5         |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 大腸桿菌群  | CFU/100mL   | <10~1.2×10 <sup>4</sup>                | —           |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 餘氯<br>(總殘餘氧化劑)   | mg/L  | 0.08~0.72                              | —           |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 項目 \ 測站  | 單位  | 3A、3B、4A、4B、5A、5B、大潭電廠以北1公里處海域         | NOAA 海域底質規範 |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
|  |   |  | 可能影響值(PEL)  |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 總有機物   | %   | 0.68~1.31                              | —           |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 鋅  | mg/kg   | 24.9~101                               | 271         |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 鉛  | mg/kg   | 15.0~18.3                              | 112         |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 鎘  | mg/kg   | 0.54~0.70                              | 4.2         |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 銅  | mg/kg   | 18.4~35.8                              | 108         |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 鐵  | mg/kg   | 26,500~31,900                          | —           |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |
| 汞  | mg/kg   | 0.037~0.203                            | 0.7         |  |         |    |  |            |    |    |           |   |    |   |         |         |    |      |          |   |     |      |        |      |     |      |         |   |     |      |             |   |    |      |      |   |    |      |         |      |    |     |           |   |   |      |                  |       |   |      |              |      |   |      |               |      |   |      |      |     |   |      |           |     |       |           |                         |   |                |      |           |   |         |    |                                |             |            |      |   |           |   |   |       |          |     |   |       |           |     |   |       |           |     |   |       |           |     |   |       |               |   |   |       |             |     |

| 環境監測計畫摘要  | 辦理情形  |             |             |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
|---|---|-------------|-------------|-----------|-----------|----------|------------|------------|-----------|----------|-----------|---------|-----------|--------------------------|-----------|-----------|-----------|------------------------------|-------------|-------------|-------------|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------------------------|-------------|-------------|-------------|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|-----------|-----------|--------------|-----------|---------|-----------|--------------------------|-----------|-----------|-----------|------|-----------|-----------|-----------|-----------|-----------|------------------------------|-------------|-------------|-------------|---|---|----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|-----------|-----------|-----------|-----------|---------------------|-------------|-------------|-------------|---|---|--------------|-----------|-----------|-----------|-----------|-----------|------------------------------|-------------|-------------|-------------|---|---|
| <p>四、噪音與振動—</p> <p>監測項目：</p> <p>1.噪音：<math>L_{eq}</math>、<math>L_{max}</math>、<math>L_x</math>。</p> <p>2.振動：<math>L_{veq}</math>、<math>L_{vx}</math>、<math>L_{vmax}</math>。</p> <p>3.低頻噪音：分析頻率範圍（20Hz~200Hz）、（20Hz~20 kHz）日、晚、夜各時段 <math>L_{eq}</math>。</p> <p>監測地點：</p> <p>1.噪音及振動：南方周界、鎮平宮、林厝、對面厝、北湖、大潭國小、大潭活動中心附近、復興宮及桃 67/中原路路口民宅，共計 9 站。</p> <p>2.低頻噪音：對面厝 19 號附近、大潭活動中心附近，共計 2 站。</p> <p>監測頻率：</p> <p>1.噪音及振動：每季 1 次，含假日及非假日連續 24 小時監測，並配合交通流量同步監測。</p> <p>2.低頻噪音：對面厝 19 號每年 1 次，大潭活動中心每季 1 次每次連續 24 小時監測。</p>  | <p>一、執行情形：</p> <p>1.噪音及振動：106 年第 4 季(106 年 10 月 27~28 日、11 月 17~18 日)。</p> <p>2.低頻噪音：106 年第 4 季(106 年 10 月 25~26 日)。</p> <p>二、監測值：</p> <p>1.噪音：</p> <table border="1" data-bbox="544 488 1444 1444"> <thead> <tr> <th>項目<br/>測站</th> <th><math>L_{日}</math></th> <th><math>L_{晚}</math></th> <th><math>L_{夜}</math></th> <th><math>L_{eq}</math></th> <th><math>L_{dn}</math></th> </tr> </thead> <tbody> <tr> <td>南方周界</td> <td>53.0~54.5</td> <td>49.1~54.3</td> <td>44.1~48.5</td> <td>52.1~52.5</td> <td>54.5~56.2</td> </tr> <tr> <td><b>第 2 類管制區內緊鄰未滿 8 公尺之道路</b></td> <td><b>71.0</b></td> <td><b>69.0</b></td> <td><b>63.0</b></td> <td>—</td> <td>—</td> </tr> <tr> <td>鎮平宮</td> <td>46.4~49.5</td> <td>42.8~47.8</td> <td>42.5~43.8</td> <td>45.0~48.0</td> <td>49.7~51.9</td> </tr> <tr> <td><b>第 4 類管制區內緊鄰未滿 8 公尺之道路</b></td> <td><b>74.0</b></td> <td><b>73.0</b></td> <td><b>69.0</b></td> <td>—</td> <td>—</td> </tr> <tr> <td>林厝</td> <td>73.1~74.4</td> <td>66.6~69.8</td> <td>66.9~67.8</td> <td>71.4~72.5</td> <td>75.2~75.4</td> </tr> <tr> <td>對面厝</td> <td>74.3~74.4</td> <td>68.2~68.9</td> <td>66.4~68.4</td> <td>72.4~72.5</td> <td>75.2~76.4</td> </tr> <tr> <td>北湖</td> <td>56.7~57.7</td> <td>49.3~50.1</td> <td>50.7~51.1</td> <td>54.8~55.7</td> <td>58.5~59.0</td> </tr> <tr> <td>大潭國小</td> <td>70.6~72.2</td> <td>64.7~67.9</td> <td>64.4~65.5</td> <td>68.9~70.3</td> <td>72.8~73.3</td> </tr> <tr> <td><b>第 3 類管制區內緊鄰 8 公尺以上之道路</b></td> <td><b>76.0</b></td> <td><b>75.0</b></td> <td><b>72.0</b></td> <td>—</td> <td>—</td> </tr> <tr> <td>大潭活動中心附近</td> <td>52.4~54.2</td> <td>48.4~50.2</td> <td>46.7~48.3</td> <td>51.0~52.3</td> <td>55.4~55.5</td> </tr> <tr> <td>復興宮</td> <td>52.8~54.5</td> <td>48.5~50.5</td> <td>47.0~48.6</td> <td>51.3~52.7</td> <td>55.7~55.8</td> </tr> <tr> <td><b>一般地區第 3 類管制區</b></td> <td><b>65.0</b></td> <td><b>60.0</b></td> <td><b>55.0</b></td> <td>—</td> <td>—</td> </tr> <tr> <td>桃 67/中原路路口民宅</td> <td>71.4~72.3</td> <td>68.7~68.9</td> <td>64.6~66.2</td> <td>69.9~70.5</td> <td>73.4~73.8</td> </tr> <tr> <td><b>第 3 類管制區內緊鄰未滿 8 公尺之道路</b></td> <td><b>74.0</b></td> <td><b>73.0</b></td> <td><b>69.0</b></td> <td>—</td> <td>—</td> </tr> </tbody> </table> |             |             |           |           | 項目<br>測站 | $L_{日}$    | $L_{晚}$    | $L_{夜}$   | $L_{eq}$ | $L_{dn}$  | 南方周界    | 53.0~54.5 | 49.1~54.3                | 44.1~48.5 | 52.1~52.5 | 54.5~56.2 | <b>第 2 類管制區內緊鄰未滿 8 公尺之道路</b> | <b>71.0</b> | <b>69.0</b> | <b>63.0</b> | —  | —         | 鎮平宮       | 46.4~49.5 | 42.8~47.8 | 42.5~43.8 | 45.0~48.0 | 49.7~51.9 | <b>第 4 類管制區內緊鄰未滿 8 公尺之道路</b> | <b>74.0</b> | <b>73.0</b> | <b>69.0</b> | —    | —         | 林厝        | 73.1~74.4 | 66.6~69.8 | 66.9~67.8 | 71.4~72.5 | 75.2~75.4 | 對面厝 | 74.3~74.4 | 68.2~68.9 | 66.4~68.4 | 72.4~72.5    | 75.2~76.4 | 北湖      | 56.7~57.7 | 49.3~50.1                | 50.7~51.1 | 54.8~55.7 | 58.5~59.0 | 大潭國小 | 70.6~72.2 | 64.7~67.9 | 64.4~65.5 | 68.9~70.3 | 72.8~73.3 | <b>第 3 類管制區內緊鄰 8 公尺以上之道路</b> | <b>76.0</b> | <b>75.0</b> | <b>72.0</b> | — | — | 大潭活動中心附近 | 52.4~54.2 | 48.4~50.2 | 46.7~48.3 | 51.0~52.3 | 55.4~55.5 | 復興宮 | 52.8~54.5 | 48.5~50.5 | 47.0~48.6 | 51.3~52.7 | 55.7~55.8 | <b>一般地區第 3 類管制區</b> | <b>65.0</b> | <b>60.0</b> | <b>55.0</b> | — | — | 桃 67/中原路路口民宅 | 71.4~72.3 | 68.7~68.9 | 64.6~66.2 | 69.9~70.5 | 73.4~73.8 | <b>第 3 類管制區內緊鄰未滿 8 公尺之道路</b> | <b>74.0</b> | <b>73.0</b> | <b>69.0</b> | — | — |
| 項目<br>測站  | $L_{日}$   | $L_{晚}$     | $L_{夜}$     | $L_{eq}$  | $L_{dn}$  |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 南方周界  | 53.0~54.5   | 49.1~54.3   | 44.1~48.5   | 52.1~52.5 | 54.5~56.2 |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| <b>第 2 類管制區內緊鄰未滿 8 公尺之道路</b>  | <b>71.0</b>   | <b>69.0</b> | <b>63.0</b> | —         | —         |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 鎮平宮   | 46.4~49.5   | 42.8~47.8   | 42.5~43.8   | 45.0~48.0 | 49.7~51.9 |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| <b>第 4 類管制區內緊鄰未滿 8 公尺之道路</b>  | <b>74.0</b>   | <b>73.0</b> | <b>69.0</b> | —         | —         |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 林厝  | 73.1~74.4   | 66.6~69.8   | 66.9~67.8   | 71.4~72.5 | 75.2~75.4 |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 對面厝   | 74.3~74.4   | 68.2~68.9   | 66.4~68.4   | 72.4~72.5 | 75.2~76.4 |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 北湖  | 56.7~57.7   | 49.3~50.1   | 50.7~51.1   | 54.8~55.7 | 58.5~59.0 |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 大潭國小  | 70.6~72.2   | 64.7~67.9   | 64.4~65.5   | 68.9~70.3 | 72.8~73.3 |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| <b>第 3 類管制區內緊鄰 8 公尺以上之道路</b>  | <b>76.0</b>   | <b>75.0</b> | <b>72.0</b> | —         | —         |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 大潭活動中心附近  | 52.4~54.2   | 48.4~50.2   | 46.7~48.3   | 51.0~52.3 | 55.4~55.5 |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 復興宮   | 52.8~54.5   | 48.5~50.5   | 47.0~48.6   | 51.3~52.7 | 55.7~55.8 |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| <b>一般地區第 3 類管制區</b>   | <b>65.0</b>   | <b>60.0</b> | <b>55.0</b> | —         | —         |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 桃 67/中原路路口民宅  | 71.4~72.3   | 68.7~68.9   | 64.6~66.2   | 69.9~70.5 | 73.4~73.8 |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| <b>第 3 類管制區內緊鄰未滿 8 公尺之道路</b>  | <b>74.0</b>   | <b>73.0</b> | <b>69.0</b> | —         | —         |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 2.振動：   |   |             |             |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| <table border="1" data-bbox="544 1489 1444 2047"> <thead> <tr> <th>項目<br/>測站</th> <th><math>L_{v10日}</math></th> <th><math>L_{v10夜}</math></th> <th><math>L_{veq}</math></th> </tr> </thead> <tbody> <tr> <td>南方周界</td> <td>30.0~36.6</td> <td>均為 30.0</td> <td>30.0~34.4</td> </tr> <tr> <td><b>日本振動管制法施行細則之第一種區域</b></td> <td><b>65</b></td> <td><b>60</b></td> <td>—</td> </tr> <tr> <td>鎮平宮</td> <td>32.0~34.9</td> <td>30.1~31.2</td> <td>31.3~33.7</td> </tr> <tr> <td>林厝</td> <td>33.0~34.5</td> <td>30.5~31.6</td> <td>32.1~33.5</td> </tr> <tr> <td>對面厝</td> <td>33.3~33.7</td> <td>30.0~30.4</td> <td>32.2~32.6</td> </tr> <tr> <td>北湖</td> <td>37.6~40.3</td> <td>34.7~37.1</td> <td>36.6~39.2</td> </tr> <tr> <td>大潭國小</td> <td>39.7~45.7</td> <td>33.8~38.5</td> <td>38.1~43.9</td> </tr> <tr> <td>大潭活動中心附近</td> <td>均為 30.0</td> <td>均為 30.0</td> <td>均為 30.0</td> </tr> <tr> <td>復興宮</td> <td>均為 30.0</td> <td>均為 30.0</td> <td>均為 30.0</td> </tr> <tr> <td>桃 67/中原路路口民宅</td> <td>43.0~46.0</td> <td>均為 40.2</td> <td>42.1~44.4</td> </tr> <tr> <td><b>日本振動管制法施行細則之第二種區域</b></td> <td><b>70</b></td> <td><b>65</b></td> <td>—</td> </tr> </tbody> </table> |   |             |             |           |           | 項目<br>測站 | $L_{v10日}$ | $L_{v10夜}$ | $L_{veq}$ | 南方周界     | 30.0~36.6 | 均為 30.0 | 30.0~34.4 | <b>日本振動管制法施行細則之第一種區域</b> | <b>65</b> | <b>60</b> | —         | 鎮平宮                          | 32.0~34.9   | 30.1~31.2   | 31.3~33.7   | 林厝 | 33.0~34.5 | 30.5~31.6 | 32.1~33.5 | 對面厝       | 33.3~33.7 | 30.0~30.4 | 32.2~32.6 | 北湖                           | 37.6~40.3   | 34.7~37.1   | 36.6~39.2   | 大潭國小 | 39.7~45.7 | 33.8~38.5 | 38.1~43.9 | 大潭活動中心附近  | 均為 30.0   | 均為 30.0   | 均為 30.0   | 復興宮 | 均為 30.0   | 均為 30.0   | 均為 30.0   | 桃 67/中原路路口民宅 | 43.0~46.0 | 均為 40.2 | 42.1~44.4 | <b>日本振動管制法施行細則之第二種區域</b> | <b>70</b> | <b>65</b> | —         |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 項目<br>測站  | $L_{v10日}$  | $L_{v10夜}$  | $L_{veq}$   |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 南方周界  | 30.0~36.6   | 均為 30.0     | 30.0~34.4   |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| <b>日本振動管制法施行細則之第一種區域</b>  | <b>65</b>   | <b>60</b>   | —           |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 鎮平宮   | 32.0~34.9   | 30.1~31.2   | 31.3~33.7   |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 林厝  | 33.0~34.5   | 30.5~31.6   | 32.1~33.5   |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 對面厝   | 33.3~33.7   | 30.0~30.4   | 32.2~32.6   |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 北湖  | 37.6~40.3   | 34.7~37.1   | 36.6~39.2   |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 大潭國小  | 39.7~45.7   | 33.8~38.5   | 38.1~43.9   |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 大潭活動中心附近  | 均為 30.0   | 均為 30.0     | 均為 30.0     |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 復興宮   | 均為 30.0   | 均為 30.0     | 均為 30.0     |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| 桃 67/中原路路口民宅  | 43.0~46.0   | 均為 40.2     | 42.1~44.4   |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |
| <b>日本振動管制法施行細則之第二種區域</b>  | <b>70</b>   | <b>65</b>   | —           |           |           |          |            |            |           |          |           |         |           |                          |           |           |           |                              |             |             |             |    |           |           |           |           |           |           |           |                              |             |             |             |      |           |           |           |           |           |           |           |     |           |           |           |              |           |         |           |                          |           |           |           |      |           |           |           |           |           |                              |             |             |             |   |   |          |           |           |           |           |           |     |           |           |           |           |           |                     |             |             |             |   |   |              |           |           |           |           |           |                              |             |             |             |   |   |

|              |         |
|--------------|---------|
| 環境監測計畫<br>摘要 | 辦 理 情 形 |
|--------------|---------|

|                     |  |           |           |                                     |           |           |
|---------------------|--|-----------|-----------|-------------------------------------|-----------|-----------|
| (三)低頻噪音             |  |           |           |                                     |           |           |
| 測站                  | 20 Hz至200 Hz<br>(低頻噪音位準, $L_{eq,LF}$ ) |           |           | 20 Hz至20 kHz<br>(環境噪音位準, $L_{eq}$ ) |           |           |
| 項目                  | 日間                                     | 晚間        | 夜間        | 日間                                  | 晚間        | 夜間        |
| 對面厝<br>19 號<br>(附近) | 39.4                                   | 35.0      | 33.4      | 39.0                                | 34.7      | 33.4      |
| <b>法規<br/>標準</b>    | <b>39</b>                              | <b>39</b> | <b>36</b> | <b>60</b>                           | <b>55</b> | <b>50</b> |
|                     | 第二類管制區<br>工廠(場)噪音管制標準                  |           |           | 第二類管制區<br>一般地區環境音量標準                |           |           |
| 大潭活<br>動中心<br>(附近)  | 20.2                                   | 16.6      | 17.1      | 52.4~54.2                           | 48.4~50.2 | 46.7~48.3 |
| <b>法規<br/>標準</b>    | <b>44</b>                              | <b>44</b> | <b>41</b> | <b>65</b>                           | <b>60</b> | <b>55</b> |
|                     | 第三類管制區<br>工廠(場)噪音管制標準                  |           |           | 第三類管制區<br>一般地區環境音量標準                |           |           |

三、摘要：本季噪音及振動(含低頻噪音)監測結果分析如下：

1.噪音及振動：本季各測站項目測值均符合該地區環境音量標準及參考日本振動規制法施行細則之標準。

2.低頻噪音：

(1)大潭活動中心(附近)：

本季 20Hz 至 200Hz 測值符合第 3 類管制區工廠(場)噪音管制標準；20Hz 至 20kHz 測值亦符合第 3 類管制區一般地區環境音量標準。

(2)對面厝 19 號(附近)：

本季 20Hz 至 200Hz 測值，各項目測值因未經背景音量修正，故該測值僅作為參考；20Hz 至 20kHz 測值符合第 2 類管制區一般地區環境音量標準。

四、異常狀況處理情形：無。

| 環境監測計畫摘要  | 辦理情形   |             |        |        |  |      |          |     |        |      |     |              |             |        |     |    |              |             |        |     |        |          |             |        |        |     |          |             |        |     |    |               |             |       |     |      |               |             |        |     |            |               |             |       |     |
|---|--|-------------|--------|--------|--|------|----------|-----|--------|------|-----|--------------|-------------|--------|-----|----|--------------|-------------|--------|-----|--------|----------|-------------|--------|--------|-----|----------|-------------|--------|-----|----|---------------|-------------|-------|-----|------|---------------|-------------|--------|-----|------------|---------------|-------------|-------|-----|
| <p>五、交通流量—</p> <p>監測項目：</p> <p>1.機車、小型車、大客車、卡車、特種車等車種、數量及道路服務水準。</p> <p>2.交通指示燈號及道路路面維護狀況。</p> <p>監測地點：對面厝(台 15 桃 94 路口)、林厝(台 15 桃 92 路口)、西濱快速道路(桃 90 桃 93 路口)、鎮平宮(桃 90 桃 92 路口)、北湖(台 15 桃 93 路口)、大潭國小(台 15)等、桃 67 及中原路口，共計 7 站。</p> <p>監測頻率：每季 1 次，含假日及非假日 24 小時連續監測，並配合噪音及振動同步監測。</p> | <p>一、執行情形：106 年第 4 季(106 年 10 月 27~28 日、11 月 17~18 日)。</p> <p>二、監測值：</p> <table border="1" data-bbox="547 365 1437 757"> <thead> <tr> <th>車輛方向</th> <th>最大小時交通流量</th> <th>V/C</th> <th>道路服務水準</th> <th>主要車組</th> </tr> </thead> <tbody> <tr> <td>對面厝</td> <td>17.5~1,152.0</td> <td>0.008~0.115</td> <td>均為 A 級</td> <td>小客車</td> </tr> <tr> <td>林厝</td> <td>16.0~1,096.5</td> <td>0.019~0.110</td> <td>均為 A 級</td> <td>小客車</td> </tr> <tr> <td>西濱快速道路</td> <td>4.0~28.5</td> <td>0.005~0.034</td> <td>均為 A 級</td> <td>小客車、機車</td> </tr> <tr> <td>鎮平宮</td> <td>0.0~15.5</td> <td>0.000~0.019</td> <td>均為 A 級</td> <td>小客車</td> </tr> <tr> <td>北湖</td> <td>133.5~1,139.5</td> <td>0.090~0.214</td> <td>A~C 級</td> <td>小客車</td> </tr> <tr> <td>大潭國小</td> <td>903.0~1,128.5</td> <td>0.090~0.113</td> <td>均為 A 級</td> <td>小客車</td> </tr> <tr> <td>桃 67 及中原路口</td> <td>223.0~1,657.5</td> <td>0.128~1.016</td> <td>B~F 級</td> <td>小客車</td> </tr> </tbody> </table> <p>三、摘要：</p> <p>1.各車道各方向之車輛流量：<br/>本季各路段服務水準除桃 67 及中原路口達 F 級之外，其餘路段均於 A~C 級之良好服務水準，顯見須注意輸電線沿線至龍潭變電所之交通狀況。</p> <p>2.交通指示燈及路面維護狀況：<br/>本季在交通指示燈號及道路路面維護狀況，其各車道各方向均無異狀之情形。</p> <p>四、異常狀況處理情形：<br/>本季工程已完工，且尚無輸電線工程，對各路段無衍生之運輸車次，應不影響原路況之道路服務水準。<br/>由於桃 67 及中原路口為單車道且路幅小，亦為主要交通要道，應避開尖峰時段行駛該路口，以避免壅塞之情況。</p> |             |        |        |  | 車輛方向 | 最大小時交通流量 | V/C | 道路服務水準 | 主要車組 | 對面厝 | 17.5~1,152.0 | 0.008~0.115 | 均為 A 級 | 小客車 | 林厝 | 16.0~1,096.5 | 0.019~0.110 | 均為 A 級 | 小客車 | 西濱快速道路 | 4.0~28.5 | 0.005~0.034 | 均為 A 級 | 小客車、機車 | 鎮平宮 | 0.0~15.5 | 0.000~0.019 | 均為 A 級 | 小客車 | 北湖 | 133.5~1,139.5 | 0.090~0.214 | A~C 級 | 小客車 | 大潭國小 | 903.0~1,128.5 | 0.090~0.113 | 均為 A 級 | 小客車 | 桃 67 及中原路口 | 223.0~1,657.5 | 0.128~1.016 | B~F 級 | 小客車 |
| 車輛方向  | 最大小時交通流量   | V/C         | 道路服務水準 | 主要車組   |  |      |          |     |        |      |     |              |             |        |     |    |              |             |        |     |        |          |             |        |        |     |          |             |        |     |    |               |             |       |     |      |               |             |        |     |            |               |             |       |     |
| 對面厝   | 17.5~1,152.0   | 0.008~0.115 | 均為 A 級 | 小客車    |  |      |          |     |        |      |     |              |             |        |     |    |              |             |        |     |        |          |             |        |        |     |          |             |        |     |    |               |             |       |     |      |               |             |        |     |            |               |             |       |     |
| 林厝  | 16.0~1,096.5   | 0.019~0.110 | 均為 A 級 | 小客車    |  |      |          |     |        |      |     |              |             |        |     |    |              |             |        |     |        |          |             |        |        |     |          |             |        |     |    |               |             |       |     |      |               |             |        |     |            |               |             |       |     |
| 西濱快速道路  | 4.0~28.5   | 0.005~0.034 | 均為 A 級 | 小客車、機車 |  |      |          |     |        |      |     |              |             |        |     |    |              |             |        |     |        |          |             |        |        |     |          |             |        |     |    |               |             |       |     |      |               |             |        |     |            |               |             |       |     |
| 鎮平宮   | 0.0~15.5   | 0.000~0.019 | 均為 A 級 | 小客車    |  |      |          |     |        |      |     |              |             |        |     |    |              |             |        |     |        |          |             |        |        |     |          |             |        |     |    |               |             |       |     |      |               |             |        |     |            |               |             |       |     |
| 北湖  | 133.5~1,139.5  | 0.090~0.214 | A~C 級  | 小客車    |  |      |          |     |        |      |     |              |             |        |     |    |              |             |        |     |        |          |             |        |        |     |          |             |        |     |    |               |             |       |     |      |               |             |        |     |            |               |             |       |     |
| 大潭國小  | 903.0~1,128.5  | 0.090~0.113 | 均為 A 級 | 小客車    |  |      |          |     |        |      |     |              |             |        |     |    |              |             |        |     |        |          |             |        |        |     |          |             |        |     |    |               |             |       |     |      |               |             |        |     |            |               |             |       |     |
| 桃 67 及中原路口  | 223.0~1,657.5  | 0.128~1.016 | B~F 級  | 小客車    |  |      |          |     |        |      |     |              |             |        |     |    |              |             |        |     |        |          |             |        |        |     |          |             |        |     |    |               |             |       |     |      |               |             |        |     |            |               |             |       |     |
| <p>六、陸域植物生態—</p> <p>監測項目：</p> <p>1.植相與植群分佈。</p> <p>2.稀有植物之保育或移植。</p> <p>監測地點：北自觀音溪，南至社子溪。</p> <p>監測頻率：每半年 1 次。</p>  | <p>一、執行情形：106 年第 4 季(本季無進行此項調查)。</p> <p>二、監測值：</p> <p>1.科屬及屬性統計：本季無進行此項調查。</p> <p>2.植物優勢科統計：本季無進行此項調查。</p> <p>三、摘要：本季無進行此項調查。</p>  |             |        |        |  |      |          |     |        |      |     |              |             |        |     |    |              |             |        |     |        |          |             |        |        |     |          |             |        |     |    |               |             |       |     |      |               |             |        |     |            |               |             |       |     |

| 環境監測計畫摘要  | 辦理情形  |               |        |    |    |               |  |  |       |        |    |  |    |    |    |  |    |    |    |  |    |     |             |  |    |     |    |  |    |       |
|---|---|---------------|--------|----|----|---------------|--|--|-------|--------|----|--|----|----|----|--|----|----|----|--|----|-----|-------------|--|----|-----|----|--|----|-------|
| <p>七、陸域動物生態—<br/>監測項目：<br/>主要以鳥類為主：<br/>1.種類、數量組成。<br/>2.分布狀況。<br/>3.優勢種。<br/>4.棲息地的改變。<br/>監測地點：北自觀音溪，<br/>南至社子溪。<br/>監測頻率：每季1次，候鳥過境季節，針對候鳥增加至少1次之調查(每年增加2次)，共計6次。</p> | <p>一、執行情形：106年第4季(106年11月14~15日)。<br/>二、監測值：</p> <table border="1" data-bbox="568 322 1426 611"> <thead> <tr> <th rowspan="2">樣區</th> <th>時間</th> <th colspan="2">106年11月14~15日</th> </tr> <tr> <th></th> <th>種類(種)</th> <th>數量(隻次)</th> </tr> </thead> <tbody> <tr> <td>北區</td> <td></td> <td>14</td> <td>42</td> </tr> <tr> <td>基地</td> <td></td> <td>10</td> <td>39</td> </tr> <tr> <td>南區</td> <td></td> <td>37</td> <td>480</td> </tr> <tr> <td>台15號省道及以東地區</td> <td></td> <td>42</td> <td>537</td> </tr> <tr> <td>全區</td> <td></td> <td>47</td> <td>1,098</td> </tr> </tbody> </table> <p>三、摘要：</p> <p>1.種類、數量組成、分布狀況、優勢種：<br/>本季調查結果，以北區及基地區在鳥種及數量方面，如同往昔普遍低於南區、省道台15線及以東地區。<br/>調查期間，於小飯壠溪口及新屋溪口皆未發現特殊稀有之鳥類群聚，亦未在基地附近之風力發電機組發現任何疑似鳥擊之死亡個體，故本季調查期間未發現物種組成有明顯受到環境改變而影響之情形。</p> <p>2.棲息地的改變：<br/>本季各區調查結果，並未發現棲息地明顯變化之情形。</p> <p>四、異常狀況處理情形：無。</p> |               |        | 樣區 | 時間 | 106年11月14~15日 |  |  | 種類(種) | 數量(隻次) | 北區 |  | 14 | 42 | 基地 |  | 10 | 39 | 南區 |  | 37 | 480 | 台15號省道及以東地區 |  | 42 | 537 | 全區 |  | 47 | 1,098 |
| 樣區  | 時間  | 106年11月14~15日 |        |    |    |               |  |  |       |        |    |  |    |    |    |  |    |    |    |  |    |     |             |  |    |     |    |  |    |       |
|   |   | 種類(種)         | 數量(隻次) |    |    |               |  |  |       |        |    |  |    |    |    |  |    |    |    |  |    |     |             |  |    |     |    |  |    |       |
| 北區  |   | 14            | 42     |    |    |               |  |  |       |        |    |  |    |    |    |  |    |    |    |  |    |     |             |  |    |     |    |  |    |       |
| 基地  |   | 10            | 39     |    |    |               |  |  |       |        |    |  |    |    |    |  |    |    |    |  |    |     |             |  |    |     |    |  |    |       |
| 南區  |   | 37            | 480    |    |    |               |  |  |       |        |    |  |    |    |    |  |    |    |    |  |    |     |             |  |    |     |    |  |    |       |
| 台15號省道及以東地區   |   | 42            | 537    |    |    |               |  |  |       |        |    |  |    |    |    |  |    |    |    |  |    |     |             |  |    |     |    |  |    |       |
| 全區  |   | 47            | 1,098  |    |    |               |  |  |       |        |    |  |    |    |    |  |    |    |    |  |    |     |             |  |    |     |    |  |    |       |

| 環境監測計畫摘要   | 辦 理 情 形                                |        |        |        |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
|--|--|--------|--------|--------|--------|--------|--------|--------|------|------|----|----|------|----|----|----|----|----|----|----------------------------------|----|--------|--------|--------|-------|--------|-------|--------|---------------------------------|-------|--------|--------|--------|--------|--------|--------|--------|---------|-----|------|------|------|------|-------|------|------|----|----|----|----|-------|----|--------|-------|-------|-------|-------|-------|----|----|----|---|-----|----|---|---------|----|------|----|----|------|----|----|------|-------|---|-------|-------|-------|-------|-------|-------|----|--|------|--|--|----|--|----|----|----|----|----|----|----|----|----|-------|--|-------|-------|-------|------|------|-----|------|------|------|-------|--|---|---|---|---|-----|---|---|-----|-----|------|--|---|-----|-----|-----|---|---|-----|-----|---|------|--|---|---|---|-----|---|---|---|-----|---|----|--|------|--|--|--|--|--|--|--|--|----|--|----|----|----|--|--|--|--|--|--|-----|--|------|------|------|--|--|--|--|--|--|-------|--|---|---|---|--|--|--|--|--|--|------|--|-----|-----|-----|--|--|--|--|--|--|------|--|---|---|---|--|--|--|--|--|--|
| 八、海域生態－<br>監測項目：<br>1.植物性浮游生物。<br>2.動物性浮游生物。<br>3.底棲生物。<br>4.仔稚魚類。<br>監測地點：大潭電廠以北<br>1 公里處海域<br>1 站、小飯壠<br>溪至社子<br>溪，溪口及溪<br>口外海域-10<br>公尺、-20 公<br>尺等深線處 9<br>站，共計 10<br>站。<br>監測頻率：每季 1 次。   | 一、執行情形：106 年第 4 季(106 年 11 月 28~29 日)。 |        |        |        |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 二、監測值：   |  |        |        |        |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 1.浮游植物：  |  |        |        |        |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| (1)浮游藻密度：  |  |        |        |        |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th colspan="2">測站</th> <th colspan="3">3A</th> <th colspan="3">4A</th> </tr> <tr> <th>項目</th> <th></th> <th>表層</th> <th>中層</th> <th>底層</th> <th>表層</th> <th>中層</th> <th>底層</th> </tr> </thead> <tbody> <tr> <td>數量(個)</td> <td></td> <td>528</td> <td>1,012</td> <td>616</td> <td>4,290</td> <td>880</td> <td>8,360</td> </tr> <tr> <th colspan="2">測站</th> <th colspan="3">5A</th> <th colspan="3">3B</th> </tr> <tr> <th>項目</th> <th></th> <th>表層</th> <th>中層</th> <th>底層</th> <th>表層</th> <th>中層</th> <th>底層</th> </tr> <tr> <td>數量(個)</td> <td></td> <td>14,564</td> <td>1,012</td> <td>2,926</td> <td>2,640</td> <td>2,618</td> <td>3,278</td> </tr> <tr> <th colspan="2">測站</th> <th colspan="3">4B</th> <th colspan="3">5B</th> </tr> <tr> <th>項目</th> <th></th> <th>表層</th> <th>中層</th> <th>底層</th> <th>表層</th> <th>中層</th> <th>底層</th> </tr> <tr> <td>數量(個)</td> <td></td> <td>2,420</td> <td>1,782</td> <td>1,364</td> <td>1,188</td> <td>4,202</td> <td>1,804</td> </tr> <tr> <th colspan="2">測站</th> <th colspan="3">大潭北側</th> <th colspan="3"></th> </tr> <tr> <th>項目</th> <th></th> <th>表層</th> <th>中層</th> <th>底層</th> <th colspan="3"></th> </tr> <tr> <td>數量(個)</td> <td></td> <td>2,684</td> <td>2,728</td> <td>1,870</td> <td colspan="3"></td> </tr> </tbody> </table>  |  |        |        |        |        |        |        |        |      |      | 測站 |    | 3A   |    |    | 4A |    |    | 項目 |                                  | 表層 | 中層     | 底層     | 表層     | 中層    | 底層     | 數量(個) |        | 528                             | 1,012 | 616    | 4,290  | 880    | 8,360  | 測站     |        | 5A     |         |     | 3B   |      |      | 項目   |       | 表層   | 中層   | 底層 | 表層 | 中層 | 底層 | 數量(個) |    | 14,564 | 1,012 | 2,926 | 2,640 | 2,618 | 3,278 | 測站 |    | 4B |   |     | 5B |   |         | 項目 |      | 表層 | 中層 | 底層   | 表層 | 中層 | 底層   | 數量(個) |   | 2,420 | 1,782 | 1,364 | 1,188 | 4,202 | 1,804 | 測站 |  | 大潭北側 |  |  |    |  |    | 項目 |    | 表層 | 中層 | 底層 |    |    |    | 數量(個) |  | 2,684 | 2,728 | 1,870 |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 測站   |  | 3A     |        |        | 4A     |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 項目   |  | 表層     | 中層     | 底層     | 表層     | 中層     | 底層     |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 數量(個)  |  | 528    | 1,012  | 616    | 4,290  | 880    | 8,360  |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 測站   |  | 5A     |        |        | 3B     |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 項目   |  | 表層     | 中層     | 底層     | 表層     | 中層     | 底層     |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 數量(個)  |  | 14,564 | 1,012  | 2,926  | 2,640  | 2,618  | 3,278  |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 測站   |  | 4B     |        |        | 5B     |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 項目   |  | 表層     | 中層     | 底層     | 表層     | 中層     | 底層     |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 數量(個)  |  | 2,420  | 1,782  | 1,364  | 1,188  | 4,202  | 1,804  |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 測站   |  | 大潭北側   |        |        |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 項目   |  | 表層     | 中層     | 底層     |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 數量(個)  |  | 2,684  | 2,728  | 1,870  |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| (2)藻類落組成(%)：   |  |        |        |        |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th colspan="2">測站</th> <th colspan="3">3A</th> <th colspan="3">4A</th> <th colspan="3">5A</th> </tr> <tr> <th>項目</th> <th></th> <th>表層</th> <th>中層</th> <th>底層</th> <th>表層</th> <th>中層</th> <th>底層</th> <th>表層</th> <th>中層</th> <th>底層</th> </tr> </thead> <tbody> <tr> <td>矽藻類</td> <td></td> <td>93.7</td> <td>95</td> <td>100</td> <td>95.8</td> <td>100</td> <td>93.7</td> <td>81.8</td> <td>94.1</td> <td>94.7</td> </tr> <tr> <td>渦鞭毛藻類</td> <td></td> <td>0</td> <td>5</td> <td>0</td> <td>0</td> <td>0</td> <td>6.3</td> <td>0</td> <td>5.9</td> <td>5.3</td> </tr> <tr> <td>金黃藻類</td> <td></td> <td>6.3</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>9.1</td> <td>0</td> <td>0</td> </tr> <tr> <td>藍綠藻類</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>4.2</td> <td>0</td> <td>0</td> <td>9.1</td> <td>0</td> <td>0</td> </tr> <tr> <th colspan="2">測站</th> <th colspan="3">3B</th> <th colspan="3">4B</th> <th colspan="3">5B</th> </tr> <tr> <th>項目</th> <th></th> <th>表層</th> <th>中層</th> <th>底層</th> <th>表層</th> <th>中層</th> <th>底層</th> <th>表層</th> <th>中層</th> <th>底層</th> </tr> <tr> <td>矽藻類</td> <td></td> <td>100</td> <td>96.7</td> <td>96.6</td> <td>92.4</td> <td>96.9</td> <td>100</td> <td>95.5</td> <td>90.1</td> <td>96.8</td> </tr> <tr> <td>渦鞭毛藻類</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>3.1</td> <td>0</td> <td>0</td> <td>3.3</td> <td>3.2</td> </tr> <tr> <td>金黃藻類</td> <td></td> <td>0</td> <td>3.3</td> <td>3.4</td> <td>3.8</td> <td>0</td> <td>0</td> <td>4.5</td> <td>3.3</td> <td>0</td> </tr> <tr> <td>藍綠藻類</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td>3.8</td> <td>0</td> <td>0</td> <td>0</td> <td>3.3</td> <td>0</td> </tr> <tr> <th colspan="2">測站</th> <th colspan="3">大潭北側</th> <th colspan="3"></th> <th colspan="3"></th> </tr> <tr> <th>項目</th> <th></th> <th>表層</th> <th>中層</th> <th>底層</th> <th colspan="3"></th> <th colspan="3"></th> </tr> <tr> <td>矽藻類</td> <td></td> <td>96.3</td> <td>96.9</td> <td>95.8</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>渦鞭毛藻類</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>金黃藻類</td> <td></td> <td>3.7</td> <td>3.1</td> <td>4.2</td> <td colspan="3"></td> <td colspan="3"></td> </tr> <tr> <td>藍綠藻類</td> <td></td> <td>0</td> <td>0</td> <td>0</td> <td colspan="3"></td> <td colspan="3"></td> </tr> </tbody> </table> |  |        |        |        |        |        |        |        |      |      | 測站 |    | 3A   |    |    | 4A |    |    | 5A |                                  |    | 項目     |        | 表層     | 中層    | 底層     | 表層    | 中層     | 底層                              | 表層    | 中層     | 底層     | 矽藻類    |        | 93.7   | 95     | 100    | 95.8    | 100 | 93.7 | 81.8 | 94.1 | 94.7 | 渦鞭毛藻類 |      | 0    | 5  | 0  | 0  | 0  | 6.3   | 0  | 5.9    | 5.3   | 金黃藻類  |       | 6.3   | 0     | 0  | 0  | 0  | 0 | 9.1 | 0  | 0 | 藍綠藻類    |    | 0    | 0  | 0  | 4.2  | 0  | 0  | 9.1  | 0     | 0 | 測站    |       | 3B    |       |       | 4B    |    |  | 5B   |  |  | 項目 |  | 表層 | 中層 | 底層 | 表層 | 中層 | 底層 | 表層 | 中層 | 底層 | 矽藻類   |  | 100   | 96.7  | 96.6  | 92.4 | 96.9 | 100 | 95.5 | 90.1 | 96.8 | 渦鞭毛藻類 |  | 0 | 0 | 0 | 0 | 3.1 | 0 | 0 | 3.3 | 3.2 | 金黃藻類 |  | 0 | 3.3 | 3.4 | 3.8 | 0 | 0 | 4.5 | 3.3 | 0 | 藍綠藻類 |  | 0 | 0 | 0 | 3.8 | 0 | 0 | 0 | 3.3 | 0 | 測站 |  | 大潭北側 |  |  |  |  |  |  |  |  | 項目 |  | 表層 | 中層 | 底層 |  |  |  |  |  |  | 矽藻類 |  | 96.3 | 96.9 | 95.8 |  |  |  |  |  |  | 渦鞭毛藻類 |  | 0 | 0 | 0 |  |  |  |  |  |  | 金黃藻類 |  | 3.7 | 3.1 | 4.2 |  |  |  |  |  |  | 藍綠藻類 |  | 0 | 0 | 0 |  |  |  |  |  |  |
| 測站   |  | 3A     |        |        | 4A     |        |        | 5A     |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 項目   |  | 表層     | 中層     | 底層     | 表層     | 中層     | 底層     | 表層     | 中層   | 底層   |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 矽藻類  |  | 93.7   | 95     | 100    | 95.8   | 100    | 93.7   | 81.8   | 94.1 | 94.7 |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 渦鞭毛藻類  |  | 0      | 5      | 0      | 0      | 0      | 6.3    | 0      | 5.9  | 5.3  |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 金黃藻類   |  | 6.3    | 0      | 0      | 0      | 0      | 0      | 9.1    | 0    | 0    |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 藍綠藻類   |  | 0      | 0      | 0      | 4.2    | 0      | 0      | 9.1    | 0    | 0    |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 測站   |  | 3B     |        |        | 4B     |        |        | 5B     |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 項目   |  | 表層     | 中層     | 底層     | 表層     | 中層     | 底層     | 表層     | 中層   | 底層   |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 矽藻類  |  | 100    | 96.7   | 96.6   | 92.4   | 96.9   | 100    | 95.5   | 90.1 | 96.8 |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 渦鞭毛藻類  |  | 0      | 0      | 0      | 0      | 3.1    | 0      | 0      | 3.3  | 3.2  |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 金黃藻類   |  | 0      | 3.3    | 3.4    | 3.8    | 0      | 0      | 4.5    | 3.3  | 0    |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 藍綠藻類   |  | 0      | 0      | 0      | 3.8    | 0      | 0      | 0      | 3.3  | 0    |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 測站   |  | 大潭北側   |        |        |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 項目   |  | 表層     | 中層     | 底層     |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 矽藻類  |  | 96.3   | 96.9   | 95.8   |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 渦鞭毛藻類  |  | 0      | 0      | 0      |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 金黃藻類   |  | 3.7    | 3.1    | 4.2    |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 藍綠藻類   |  | 0      | 0      | 0      |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 2.浮游動物：  |  |        |        |        |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>項目</th> <th>測站</th> <th>大潭北側</th> <th>3A</th> <th>3B</th> <th>4A</th> <th>4B</th> <th>5A</th> <th>5B</th> </tr> </thead> <tbody> <tr> <td>密度<br/>(ind/1,000m<sup>3</sup>)</td> <td></td> <td>17,788</td> <td>33,064</td> <td>17,185</td> <td>6,199</td> <td>11,272</td> <td>8,921</td> <td>18,618</td> </tr> <tr> <td>生體量<br/>(g/1,000m<sup>3</sup>)</td> <td></td> <td>0.0593</td> <td>0.1609</td> <td>0.0469</td> <td>0.0207</td> <td>0.0366</td> <td>0.0357</td> <td>0.0621</td> </tr> </tbody> </table>  |  |        |        |        |        |        |        |        |      |      | 項目 | 測站 | 大潭北側 | 3A | 3B | 4A | 4B | 5A | 5B | 密度<br>(ind/1,000m <sup>3</sup> ) |    | 17,788 | 33,064 | 17,185 | 6,199 | 11,272 | 8,921 | 18,618 | 生體量<br>(g/1,000m <sup>3</sup> ) |       | 0.0593 | 0.1609 | 0.0469 | 0.0207 | 0.0366 | 0.0357 | 0.0621 |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 項目   | 測站                                     | 大潭北側   | 3A     | 3B     | 4A     | 4B     | 5A     | 5B     |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 密度<br>(ind/1,000m <sup>3</sup> )   |  | 17,788 | 33,064 | 17,185 | 6,199  | 11,272 | 8,921  | 18,618 |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 生體量<br>(g/1,000m <sup>3</sup> )  |  | 0.0593 | 0.1609 | 0.0469 | 0.0207 | 0.0366 | 0.0357 | 0.0621 |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 3.底棲生物：  |  |        |        |        |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| (1)潮間帶：  |  |        |        |        |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th colspan="2">測站</th> <th colspan="3">3C</th> <th colspan="3">4C</th> <th colspan="3">5C</th> </tr> <tr> <th>項目</th> <th></th> <th>高潮帶</th> <th>中潮帶</th> <th>低潮帶</th> <th>高潮帶</th> <th>中潮帶</th> <th>低潮帶</th> <th>高潮帶</th> <th>中潮帶</th> <th>低潮帶</th> </tr> </thead> <tbody> <tr> <td>物種數</td> <td></td> <td>5</td> <td>13</td> <td>8</td> <td>4</td> <td>14</td> <td>9</td> <td>2</td> <td>10</td> <td>5</td> </tr> <tr> <td>個體數</td> <td></td> <td>24</td> <td>37</td> <td>13</td> <td>17</td> <td>39</td> <td>14</td> <td>11</td> <td>34</td> <td>10</td> </tr> <tr> <td>總個體數</td> <td></td> <td colspan="3">74</td> <td colspan="3">70</td> <td colspan="3">55</td> </tr> <tr> <td>歧異度(H')</td> <td></td> <td colspan="3">2.17</td> <td colspan="3">2.49</td> <td colspan="3">2.66</td> </tr> </tbody> </table>  |  |        |        |        |        |        |        |        |      |      | 測站 |    | 3C   |    |    | 4C |    |    | 5C |                                  |    | 項目     |        | 高潮帶    | 中潮帶   | 低潮帶    | 高潮帶   | 中潮帶    | 低潮帶                             | 高潮帶   | 中潮帶    | 低潮帶    | 物種數    |        | 5      | 13     | 8      | 4       | 14  | 9    | 2    | 10   | 5    | 個體數   |      | 24   | 37 | 13 | 17 | 39 | 14    | 11 | 34     | 10    | 總個體數  |       | 74    |       |    | 70 |    |   | 55  |    |   | 歧異度(H') |    | 2.17 |    |    | 2.49 |    |    | 2.66 |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 測站   |  | 3C     |        |        | 4C     |        |        | 5C     |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 項目   |  | 高潮帶    | 中潮帶    | 低潮帶    | 高潮帶    | 中潮帶    | 低潮帶    | 高潮帶    | 中潮帶  | 低潮帶  |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 物種數  |  | 5      | 13     | 8      | 4      | 14     | 9      | 2      | 10   | 5    |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 個體數  |  | 24     | 37     | 13     | 17     | 39     | 14     | 11     | 34   | 10   |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 總個體數   |  | 74     |        |        | 70     |        |        | 55     |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 歧異度(H')  |  | 2.17   |        |        | 2.49   |        |        | 2.66   |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| (2)亞潮帶：  |  |        |        |        |        |        |        |        |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| <table border="1"> <thead> <tr> <th>項目</th> <th>測站</th> <th>大潭北側</th> <th>3A</th> <th>3B</th> <th>4A</th> <th>4B</th> <th>5A</th> <th>5B</th> </tr> </thead> <tbody> <tr> <td>物種數</td> <td></td> <td>3</td> <td>2</td> <td>3</td> <td>6</td> <td>4</td> <td>5</td> <td>3</td> </tr> <tr> <td>總個體數</td> <td></td> <td>4</td> <td>2</td> <td>9</td> <td>6</td> <td>5</td> <td>8</td> <td>7</td> </tr> <tr> <td>歧異度(H')</td> <td></td> <td>1.04</td> <td>0.69</td> <td>0.85</td> <td>1.79</td> <td>1.33</td> <td>1.39</td> <td>0.96</td> </tr> </tbody> </table>  |  |        |        |        |        |        |        |        |      |      | 項目 | 測站 | 大潭北側 | 3A | 3B | 4A | 4B | 5A | 5B | 物種數                              |    | 3      | 2      | 3      | 6     | 4      | 5     | 3      | 總個體數                            |       | 4      | 2      | 9      | 6      | 5      | 8      | 7      | 歧異度(H') |     | 1.04 | 0.69 | 0.85 | 1.79 | 1.33  | 1.39 | 0.96 |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 項目   | 測站                                     | 大潭北側   | 3A     | 3B     | 4A     | 4B     | 5A     | 5B     |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 物種數  |  | 3      | 2      | 3      | 6      | 4      | 5      | 3      |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 總個體數   |  | 4      | 2      | 9      | 6      | 5      | 8      | 7      |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |
| 歧異度(H')  |  | 1.04   | 0.69   | 0.85   | 1.79   | 1.33   | 1.39   | 0.96   |      |      |    |    |      |    |    |    |    |    |    |                                  |    |        |        |        |       |        |       |        |                                 |       |        |        |        |        |        |        |        |         |     |      |      |      |      |       |      |      |    |    |    |    |       |    |        |       |       |       |       |       |    |    |    |   |     |    |   |         |    |      |    |    |      |    |    |      |       |   |       |       |       |       |       |       |    |  |      |  |  |    |  |    |    |    |    |    |    |    |    |    |       |  |       |       |       |      |      |     |      |      |      |       |  |   |   |   |   |     |   |   |     |     |      |  |   |     |     |     |   |   |     |     |   |      |  |   |   |   |     |   |   |   |     |   |    |  |      |  |  |  |  |  |  |  |  |    |  |    |    |    |  |  |  |  |  |  |     |  |      |      |      |  |  |  |  |  |  |       |  |   |   |   |  |  |  |  |  |  |      |  |     |     |     |  |  |  |  |  |  |      |  |   |   |   |  |  |  |  |  |  |

| 環境監測計畫摘要  | 辦理情形   |          |          |    |    |    |    |    |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
|---|--|----------|----------|----|----|----|----|----|----|-----|---|---|---|---|---|---|---|------|---|---|---|---|----|---|---|--|--|--|--|--|--|--|
|   | 4.仔稚魚類：  |          |          |    |    |    |    |    |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
|   | <table border="1"> <thead> <tr> <th>測站<br/>項目</th> <th>大潭<br/>北側</th> <th>3A</th> <th>3B</th> <th>4A</th> <th>4B</th> <th>5A</th> <th>5B</th> </tr> </thead> <tbody> <tr> <td>物種數</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>總個體數</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>31</td> <td>0</td> <td>0</td> </tr> </tbody> </table> | 測站<br>項目 | 大潭<br>北側 | 3A | 3B | 4A | 4B | 5A | 5B | 物種數 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 總個體數 | 0 | 0 | 0 | 0 | 31 | 0 | 0 |  |  |  |  |  |  |  |
|   | 測站<br>項目   | 大潭<br>北側 | 3A       | 3B | 4A | 4B | 5A | 5B |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
|   | 物種數  | 0        | 0        | 0  | 0  | 1  | 0  | 0  |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
|   | 總個體數   | 0        | 0        | 0  | 0  | 31 | 0  | 0  |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
|   | 三、摘要：本季海域生態調查結果說明如下：   |          |          |    |    |    |    |    |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
|   | 1.浮游植物：  |          |          |    |    |    |    |    |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
|   | (1)浮游藻密度：表層水域每公升介於 528~14,564 個藻細胞之間，以 5A 採樣點較高，3A 採樣點較低；中層水域每公升介於 880~4,202 個藻細胞之間，以 5B 採樣點較高，4A 採樣點較低；底層水域每公升介於 616~8,360 個藻細胞之間，以 4A 採樣點較高，3A 採樣點較低。  |          |          |    |    |    |    |    |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
|   | (2)藻類群落組成：以矽藻類為優勢，佔所有浮游植物之 81.8% 以上 (5A 表層水)，共出現浮游植物 103 種，分屬於 52 屬，優勢較多的藻種為藍綠藻類束毛藻、矽藻類的菱形海線藻及圓篩海鏈藻，佔所有藻種總豐度分別為 31.30%、12.06%、12.02%。  |          |          |    |    |    |    |    |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
|   | 2.浮游動物：本季浮游動物種類共調查到有 6 大類，各採集點之個體量介於 6,199 ind./1000m <sup>3</sup> (4A)~33,064 ind./1000m <sup>3</sup> (3A) 之間，其類別分析之數量較多分別為橈腳類、蚤狀幼體、魚卵，佔全物種總個體量分別為 83.31%、13.16%、1.65%；生體量介於 0.0207g/1000m <sup>3</sup> ~0.1609g/1000m <sup>3</sup> 之間，以 3A 測站較高，4A 測站較低。   |          |          |    |    |    |    |    |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
| 3.底棲生物：   |  |          |          |    |    |    |    |    |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
| (1)潮間帶：本季潮間帶底棲生物共採獲 4 個動物門 22 科 34 種生物，數量以 4C 採樣點採獲 20 種為最多，其次為 3C 採樣點採獲 19 種，以 5C 採樣點採獲 12 種為最少；組成較多的物種分別為軟體動物門、節肢動物門、脊索動物門、環節動物門；數量較多的物種分別為藤壺科的紋藤壺、牡蠣科的蚶、玉黍螺科的玉黍螺、骨螺科的蚶岩螺、沙蟹科的雙扇股窗蟹、蟹螺科的漁舟蟹螺、海蜷科的黑瘤海蜷、小藤壺科的小藤壺、扇蟹科的斯氏酋婦蟹、牡蠣科的棘牡蠣、沙蟹科的斯氏沙蟹、牡蠣科的黑齒牡蠣等；Shannon's 歧異度指數介於 1.82~2.66 之間，以 4C 測站較高，5C 測站較低。 |  |          |          |    |    |    |    |    |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
| (2)亞潮帶：本季亞潮帶底棲生物共採獲 5 個動物門 16 科 17 種生物(不含死貝)，數量以 4A 採樣點各採獲 6 種為最多，其次為 5A 採樣點各採獲 5 種，以 3A 採樣點採獲 2 種為最少；組成較多的物種分別為軟體動物門、環節動物門、節肢動物門、內腔動物門、棘皮動物門；數量較多的物種分別為藤壺科的紋藤壺、牡蠣科的巨牡蠣、磯沙蠶科的磯沙蠶、織紋螺科的黑線織紋螺；Shannon's 歧異度指數介於 0.69~1.79 之間，以 4A 測站較高，3A 測站較低。   |  |          |          |    |    |    |    |    |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
| 4.仔稚魚類：本季在 7 個採樣點的仔稚魚採集方面，共採獲 1 科 1 種，僅在 4B 採樣點採獲鯔科的大鱗龜鯪，共 31 ind./1,000m <sup>3</sup> ，其餘採樣點皆無任何採獲。  |  |          |          |    |    |    |    |    |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |
| 四、異常狀況處理情形：無。   |  |          |          |    |    |    |    |    |    |     |   |   |   |   |   |   |   |      |   |   |   |   |    |   |   |  |  |  |  |  |  |  |

| 環境監測計畫摘要  | 辦理情形   |           |                     |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
|---|--|-----------|---------------------|----------------|-------------|---------|---------|---------|-----------------|----------------|---------------------|-------------|---------------|------|---------------------|---------------|-------------|---------|---------------------|-------|-------------|---------------|--------------|----------|------|----|-----|-------------|----------|--------|---------|----|-----|-------------|----------|--------|---------|
| <p>九、漁業經濟—</p> <p>監測項目：</p> <p>1.漁獲(含魚苗)種類、產量及產值。</p> <p>2.養殖面積、種類、產量及產值。</p> <p>監測地點：當地漁會及魚市場，以竹圍漁港及永安漁港為主，共計2站。</p> <p>監測頻率：每半年1次(實際以每月調查，按季統計)。</p>  | 一、執行情形：  |           |                     |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
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|   | 項目、日期  |           |                     |                | 測站          |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
|   |  |           | 竹圍漁港                | 永安漁港           |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
|   | 漁獲(含魚苗)種類、產量及產值  |           | 106.10.01~106.10.31 |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
|   | 養殖面積、種類、產量及產值  |           | 106.11.01~106.11.30 |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
|   |  |           | 106.12.01~106.12.31 |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
|   | 二、監測值：   |           |                     |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
|   | 1.漁會調查：  |           |                     |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
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| 類別  | 作業天數(天)  | 漁獲量(公噸)   | 漁獲獲利(萬元)            | 單位努力漁獲量(公斤/船次) | 漁獲價值(萬元/船次) |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
| 永安漁港  | 4~18   | 9.8~229.4 | 342.2~6,042.7       | 127.5~281.1    | 4.5~8.0     |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
| 竹圍漁港  | 20~29  | 4.8306.5  | 183.0~7,294.1       | 78.0~1,028.5   | 3.0~24.5    |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
| 2.漁戶問卷調查：   |  |           |                     |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
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| 類別  | 作業天數(天)  | 漁獲量(公噸)   | 總拍賣金額(萬元)           | 單位努力漁獲量(公斤/船次) | 漁獲價值(萬元/船次) |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
| 永安漁港  | 戶一   | 2~9       | 0.472~1.785         | 11.7~59.1      | 125~236     | 5.2~6.6 |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
|   | 戶二   | 2~7       | 0.325~1.338         | 8.5~36.5       | 122~191     | 4.3~5.2 |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
| 竹圍漁港  | 戶一   | 2~5       | 0.150~0.992         | 7.1~25.4       | 75~198      | 3.6~5.1 |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
|   | 戶二   | 2~6       | 0.167~1.037         | 8.0~23.8       | 84~176      | 4.0~5.7 |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
| 三、摘要：   |  |           |                     |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
| 1.漁獲(含魚苗)種類、產量及產值：  |  |           |                     |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
| <p>本季調查結果顯示，在作業天數方面，竹圍漁港高於永安漁港，漁獲量、漁獲獲利、單位努力漁獲量、漁獲價值方面，兩漁港為互有高低；另漁會問卷調查顯示，在作業天數、漁獲量、總拍賣金額、單位努力漁獲量方面，永安漁港高於竹圍漁港，而漁獲價值方面，兩漁港為互有高低。本調查區環境屬於大陸棚砂泥質底伴隨礁岩底海域，同時亦有人工魚礁施放，所以底拖網作業容易被礁岩及人工魚礁鉤住，導致漁具損壞，故漁民大多利用上層刺網撈捕開闊水域洄游性之魚類，如銀鯧、鯆及鯊魚等。底棲型與礁岩型魚類如石斑魚及鯛類等，則是漁民在人工魚礁區附近作業所混獲及利用一支釣所漁獲。由於漁獲報表資料顯示，永安漁港與竹圍漁港兩地所撈捕之魚種並無異常情形。</p>   |  |           |                     |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
| 2.養殖面積、種類、產量及產值：  |  |           |                     |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
| <p>有關養殖漁業方面，永安漁港與竹圍漁港附近並沒有近海或內陸養殖，故附近養殖面積為0m<sup>2</sup>。</p>   |  |           |                     |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |
| 四、異常狀況處理情形：無。   |  |           |                     |                |             |         |         |         |                 |                |                     |             |               |      |                     |               |             |         |                     |       |             |               |              |          |      |    |     |             |          |        |         |    |     |             |          |        |         |

| 環境監測計畫摘要   | 辦理情形  |
|--|---|
| <p>十、地文—</p> <p>監測項目：海岸地形變遷、穩定。</p> <p>監測地點：北自大堀溪口，南至新屋溪口。</p> <p>監測頻率：每季1次。</p> | <p>一、執行情形：</p> <p>1.海岸地形：106年第4季(106年12月22~23日，北自大堀溪口，南至新屋溪口)。</p> <p>2.陸域地形：106年第4季(106年12月12日，北起「大潭燃氣發電計畫」進水口南防波堤，南迄新屋溪口北岸，全長約2,000公尺，陸側東至高潮線(海堤或防風林)，西迄海側低潮線)。</p> <p>二、監測值：無。</p> <p>三、摘要：</p> <p>1.海岸地形：</p> <p>本季施測海域水深地形之等深線變化比較及格網水深變化比較(侵淤比較)，有關侵淤比較結果顯示訊息，其說明如下：</p> <p>(1)施測海域於本季之水深地形變化主要為侵淤互現。</p> <p>(2)進水口與出水口間之灣形海域淤積現象已漸趨緩，水深-4m附近為侵蝕。</p> <p>(3)大潭發電廠進水口防波堤至新屋溪口間之水深-4m以淺侵淤互現，全區域呈現測區北側為淤積現象，南側則侵蝕現象。</p> <p>(4)施測海域於本季內全區域土方變化略呈侵蝕，全區域平均侵蝕深度為+0.050公尺。</p> <p>2.陸域地形：</p> <p>本季針對0m線之變遷距離，除斷面04及斷面06呈現侵蝕之外，其餘斷面皆呈淤積，其中斷面04往內陸侵蝕52公尺，斷面06則侵蝕4公尺。斷面01~斷面03淤積較為明顯，0m海岸線往外海推移39~61公尺，斷面08~斷面12輕微淤積，年度變遷距離均在21公尺以內，斷面13~斷面16略呈淤積，季間淤積距離23.1~29.9公尺；由於新屋溪河道往斷面19並向外海偏移，斷面18~斷面21間0m海岸線往外海推進，其推移距離分別為53.3公尺、77.1公尺、146.2公尺及173.4公尺。</p> <p>本季針對進水口防波堤南側近岸海域水深地形侵淤比較，有關侵淤比較結果顯示訊息，其說明如下：</p> <p>(1)進水口與出水口間之灣形海域侵淤互現，除水深-4m附近侵蝕之外，其餘區域並無明顯淤積現象。</p> <p>(2)大潭發電廠進水口防波堤至新屋溪口間之水深-4m以淺侵淤互現，土方略呈平衡狀態。</p> <p>(3)施測海域於本季內全區域土方變化略呈侵蝕，全區域平均侵蝕深度為+0.050公尺。</p> <p>四、異常狀況處理情形：無。</p> |

| 環境監測計畫摘要   | 辦理情形                                   |                       |           |              |          |      |
|--|--|-----------------------|-----------|--------------|----------|------|
| 十一、電磁場—<br>監測項目：極低頻(60Hz)電場、磁場強度。<br>監測地點：復興宮、水美國小、桃 67/中原路附近民宅，共計 3 站。<br>監測頻率：每半年 1 次(涵蓋當日離峰及尖峰量測及電流負載)。 | 一、執行情形：106 年第 4 季(106 年 11 月 21、30 日)。 |                       |           |              |          |      |
|  | 二、監測值：                                 |                       |           |              |          |      |
|  | 測站名稱                                   | 監測時段                  | 電場強度(V/M) |              | 磁場強度(mG) |      |
|  |  |                       | 最大值       | 最小值          | 最大值      | 最小值  |
|  | 復興宮                                    | 尖峰時段<br>(11：30~11：40) | 25        | 8            | 0.18     | 0.11 |
|  |  | 離峰時段<br>(05：03~05：13) | 25        | 8            | 0.16     | 0.16 |
|  | 水美國小                                   | 尖峰時段<br>(11：30~11：40) | 11        | 8            | 0.51     | 0.16 |
|  |  | 離峰時段<br>(05：00~05：10) | 14        | 8            | 1.67     | 1.33 |
| 桃 67/中原路<br>附近民宅   | 尖峰時段<br>(12：00~12：10)                  | 11                    | 8         | 1.51         | 0.81     |      |
|  | 離峰時段<br>(05：45~05：55)                  | 14                    | 11        | 2.11         | 1.59     |      |
| 環保署參考位準值   |  | —                     |           | 833 毫高斯(mG)  |          |      |
| 本計畫承諾值   |  |                       |           | 83.3 毫高斯(mG) |          |      |
| 三、結論：每半年監測 1 次。本季各測站測值均符合環保署參考位準值 833 毫高斯(mG)；亦符合本計畫環評承諾值 83.3 毫高斯(mG)。                                    |  |                       |           |              |          |      |
| 四、異常狀況處理情形：無。  |  |                       |           |              |          |      |