

中部科學工業園區二林園區環境
基本資料庫監測計畫(99~100年)
監測結果說明



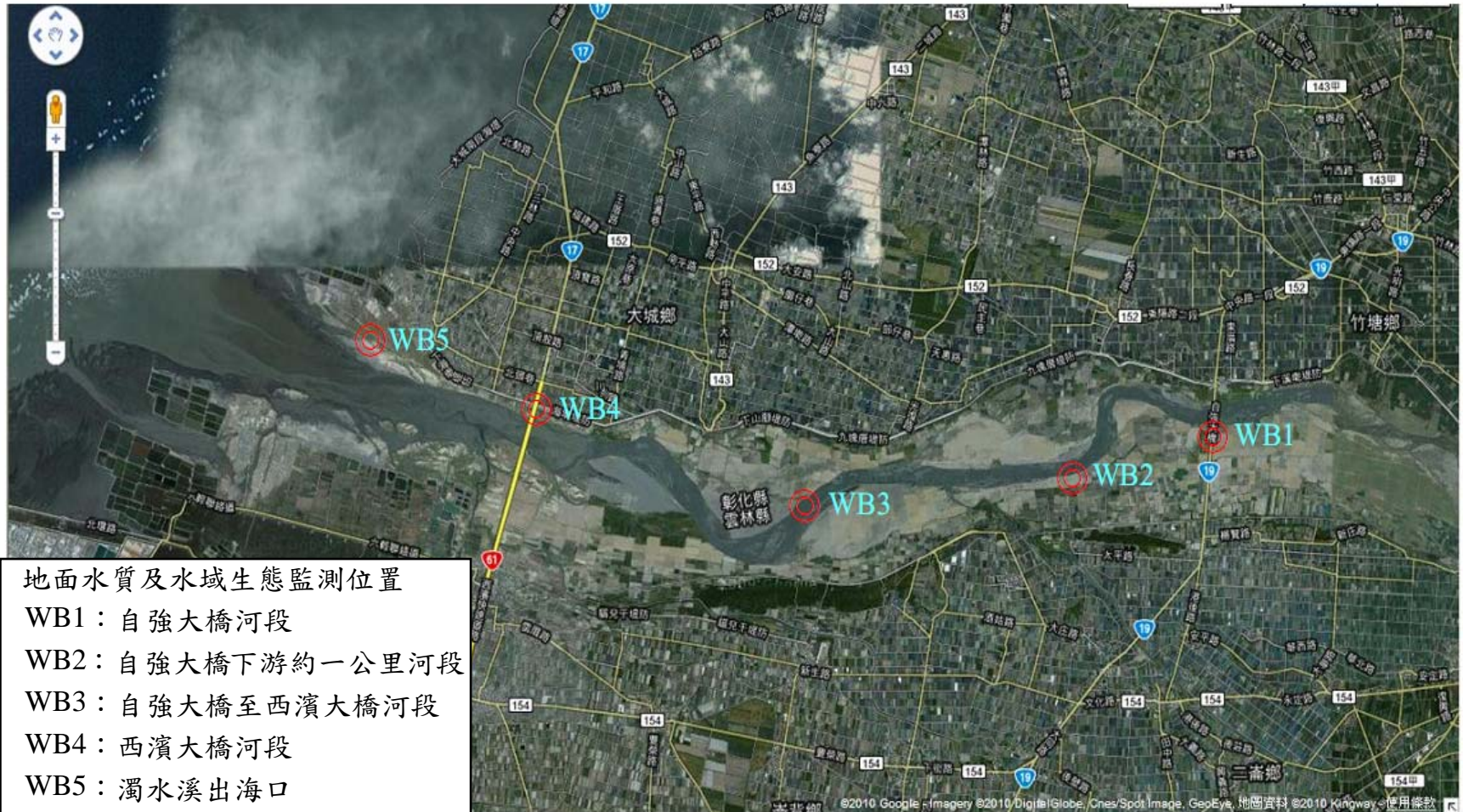
環境基本資料庫監測執行成果



監測內容

項目	地點	備註
<p>(1)空氣品質</p> <p>TSP、PM₁₀、風速、風向、溫濕度、SO₂、NO_x、VOCs、臭氧、砷化氫、磷化氫、酸鹼氣（鹽酸、硝酸、磷酸、硫酸、醋酸、氫氟酸、氨氣、氯氣）、重金屬（砷、汞、鉛、鎘、鉻）</p>	<ol style="list-style-type: none"> 1. 梅芳聚落 2. 東勢聚落 3. 菁埔聚落 4. 港尾聚落 	連續24小時監測
<p>(2)地面水水質</p> <p>一般水質項目、重金屬（鉛、鎘、六價鉻、砷、汞、銅、鋅、鐵）、總毒性有機物質、環境荷爾蒙</p>	<p>濁水溪：</p> <ol style="list-style-type: none"> 1. 自強大橋河段 2. 自強大橋下游1公里河段 3. 自強大橋至西濱大橋河段 4. 西濱大橋河段 5. 濁水溪出海口 	
<p>(3)土壤</p> <p>有機化合物、重金屬（砷、鎘、鉻、銅、汞、鎳、鉛、鋅、鐵、錳、銻、鎘、鉍、鉍）</p>	園區事業專用區內	
<p>(4)地下水水質</p> <p>總硬度、總溶解固體物、氯鹽、氨氮、硝酸鹽氮、亞硝酸鹽氮、硫酸鹽、總有機碳、重金屬（砷、鎘、鉻、銅、鉛、鋅、鐵、錳、銻、鎘、鉍、鉍）、有機化合物</p>	園區內4處標準監測井	
<p>(5)水域生態</p> <p>浮游動植物、水生昆蟲、附著性藻類、底棲生物、魚類</p>	同地面水水質	

監測地點 (2/2)



空氣品質

- 監測項目

- TSP、PM₁₀、風速、風向、溫濕度、SO₂、NO_x、VOCs、臭氧、砷化氫、磷化氫、酸鹼氣（鹽酸、硝酸、磷酸、硫酸、醋酸、氫氟酸、氨氣、氯氣）、重金屬（砷、汞、鉛、鎘、鉻）

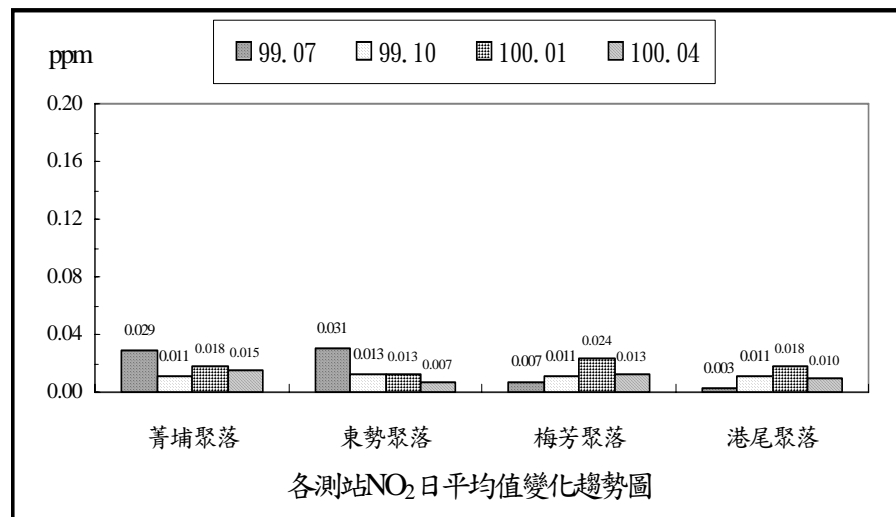
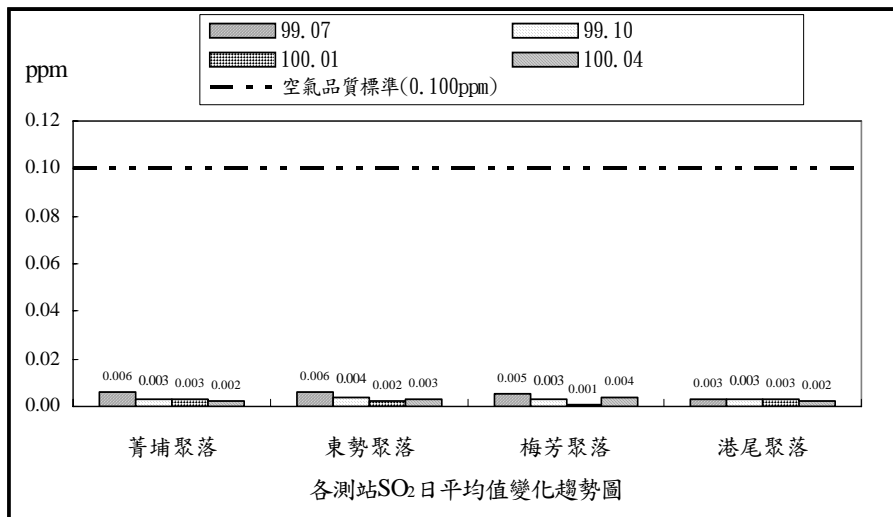
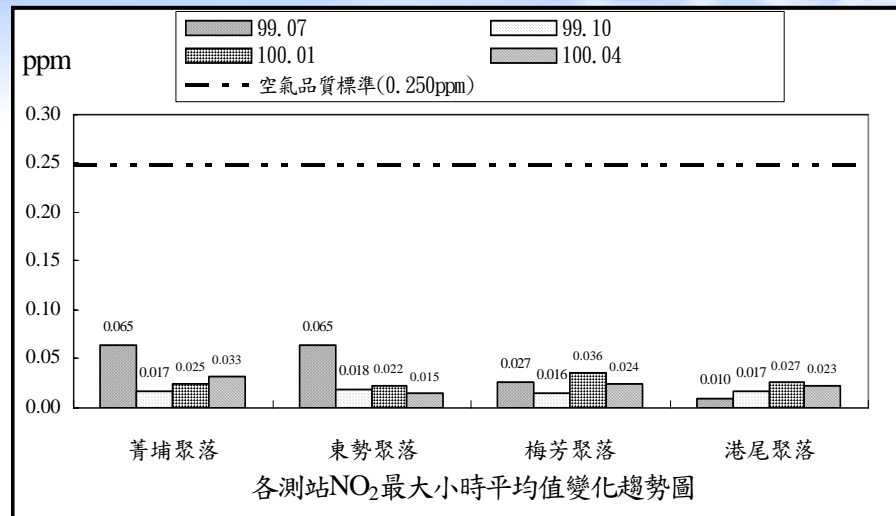
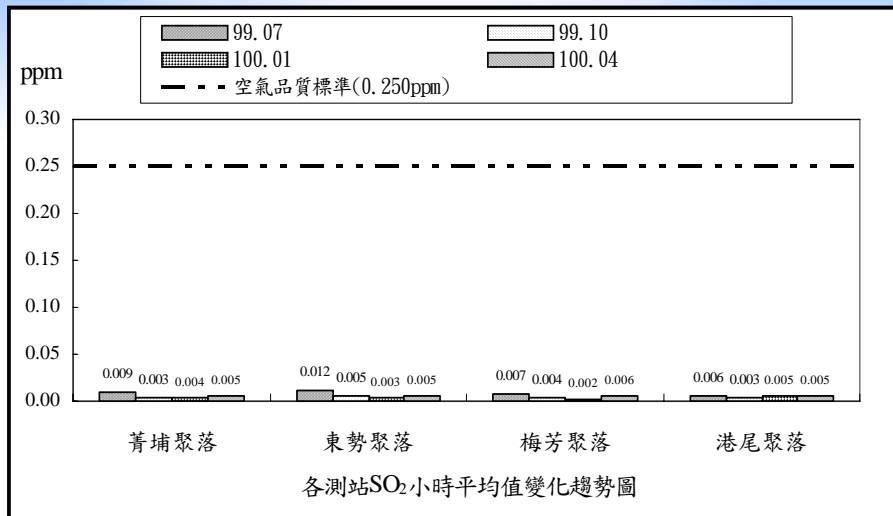
- 監測地點

- 菁埔聚落、東勢聚落、梅芳聚落、港尾聚落等4個測站

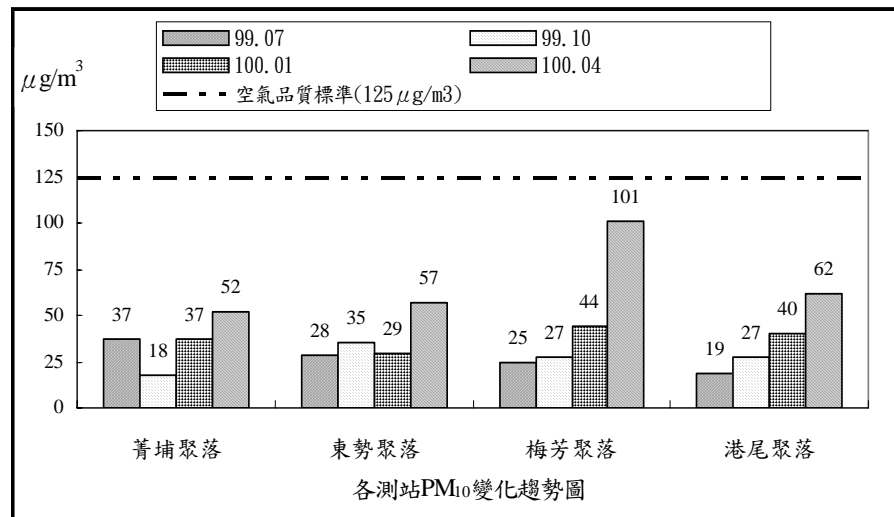
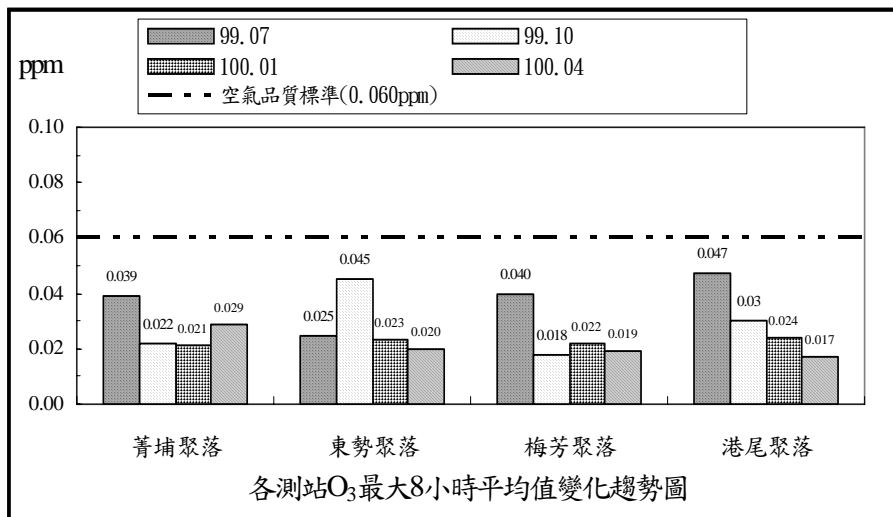
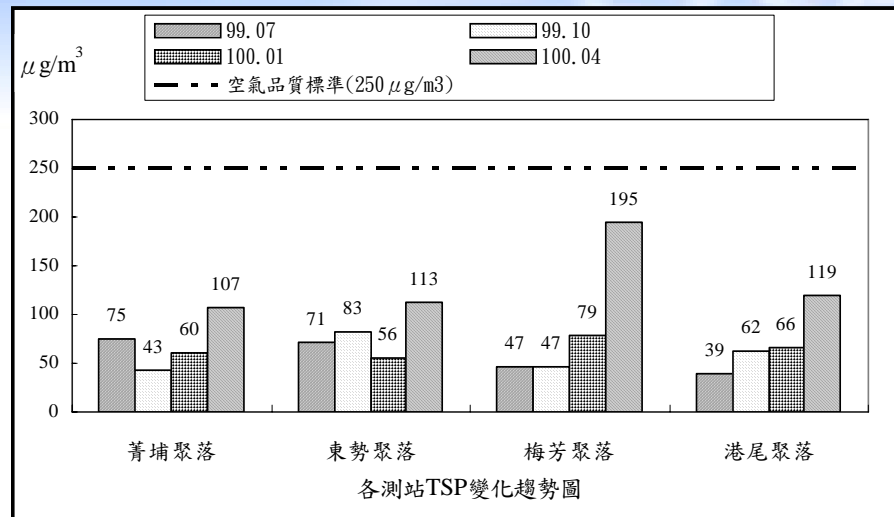
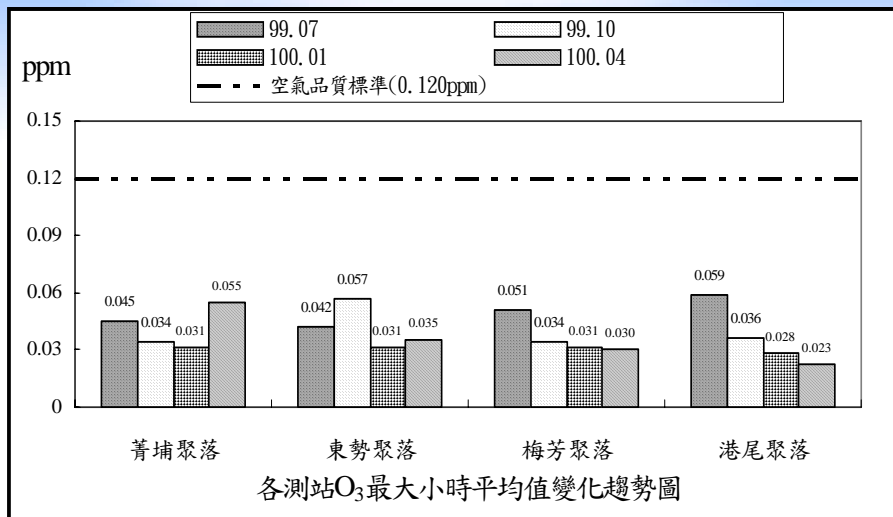
- 監測結果

- 各測站均符合空氣品質標準「固定污染源空氣污染物排放標準」之周界濃度標準。

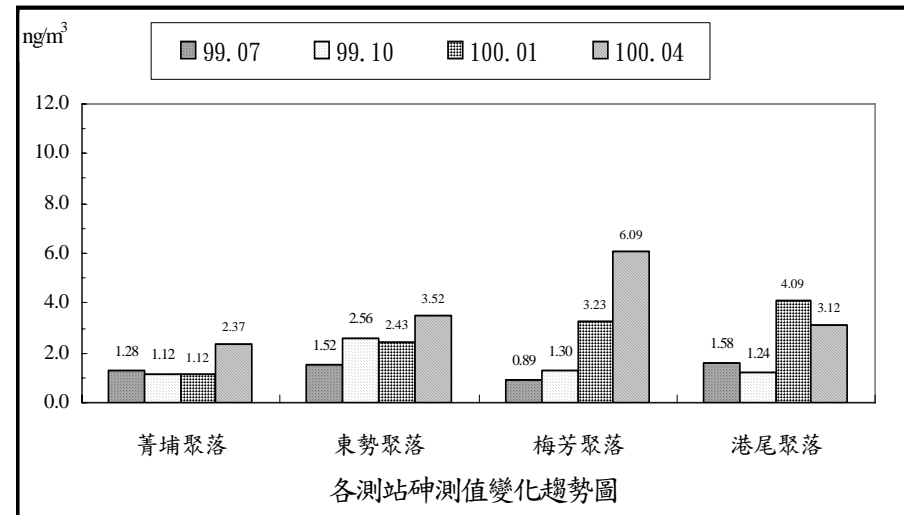
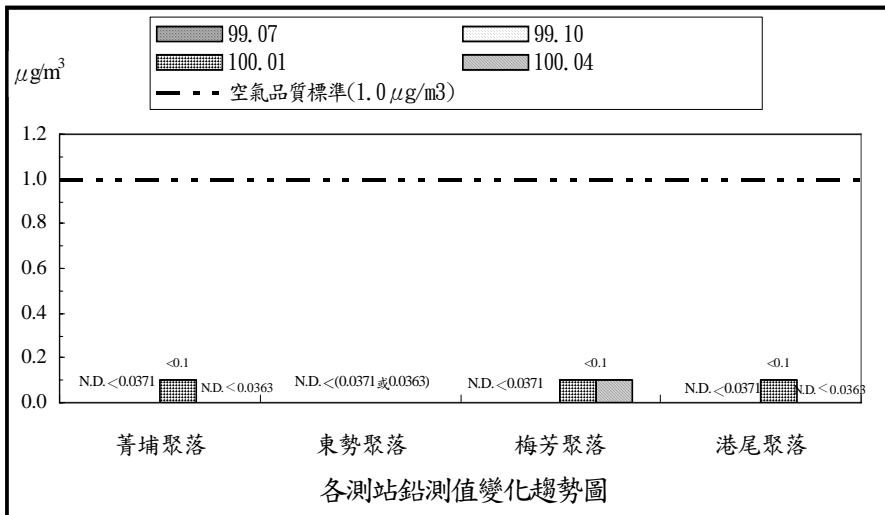
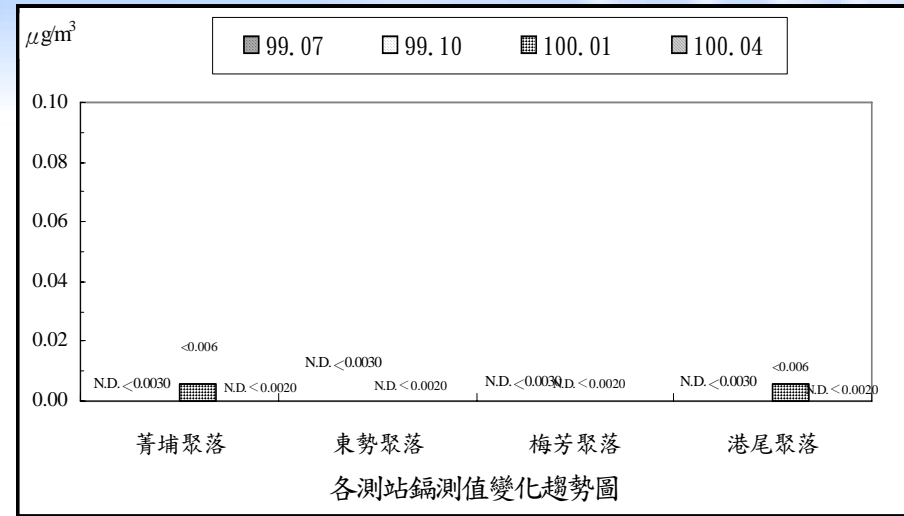
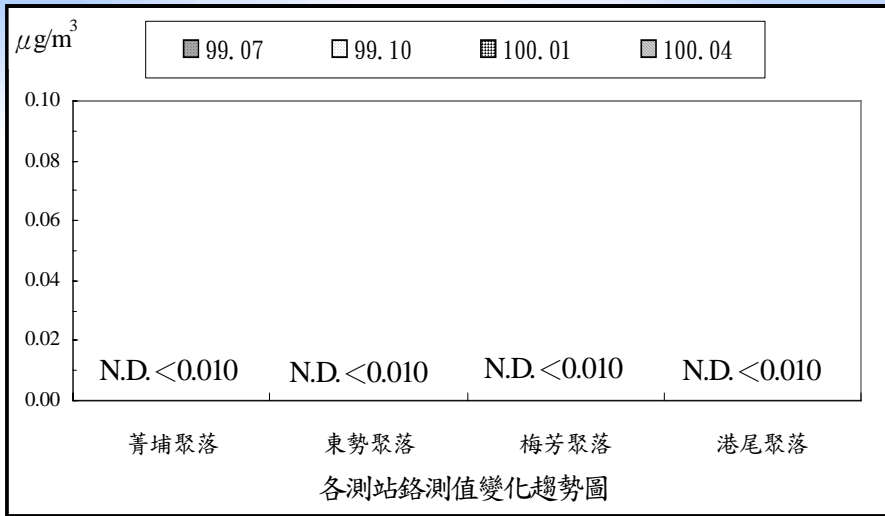
空氣品質



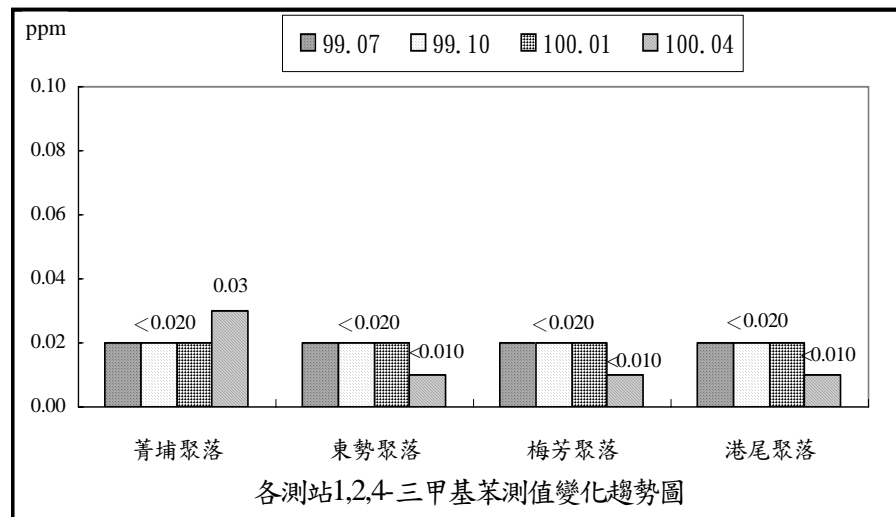
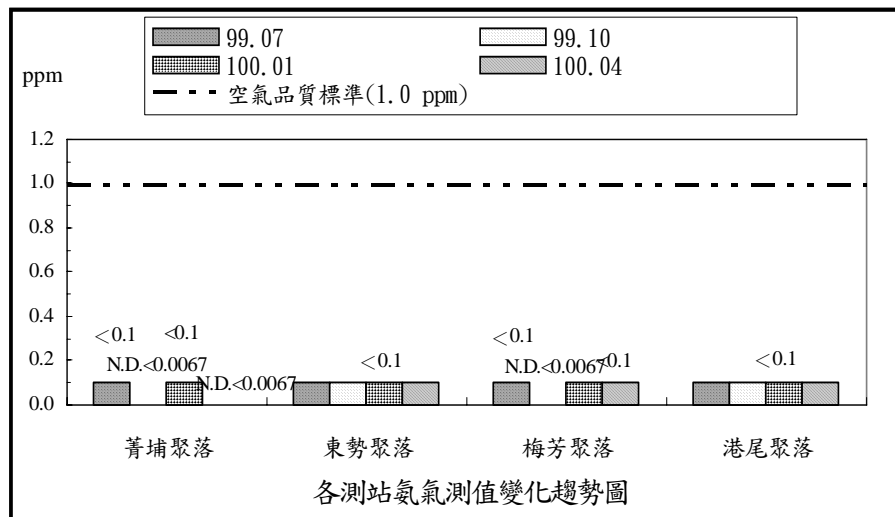
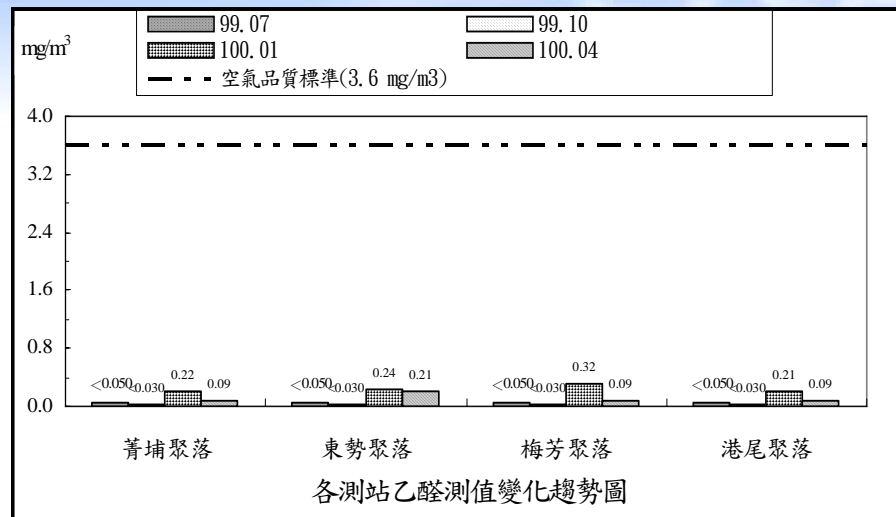
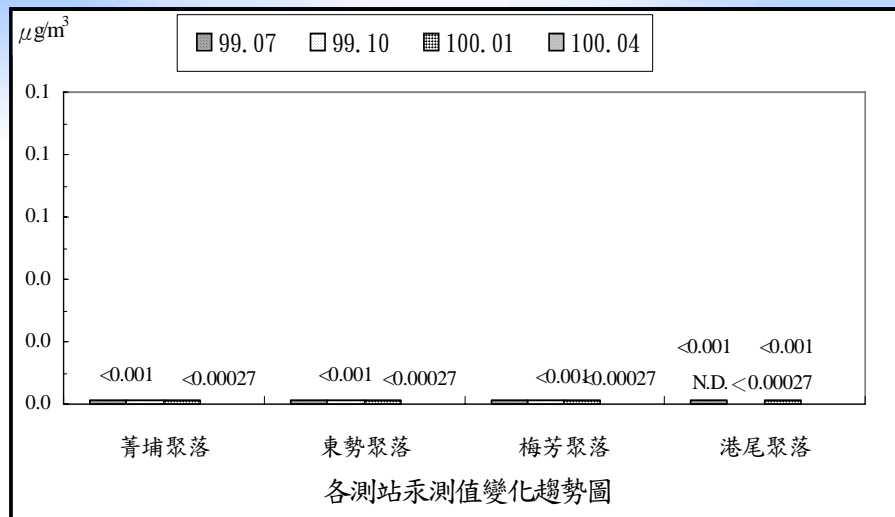
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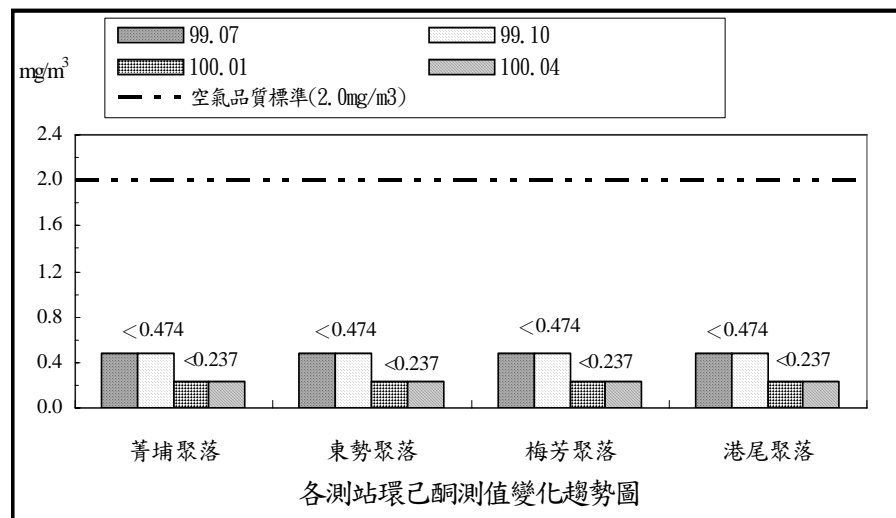
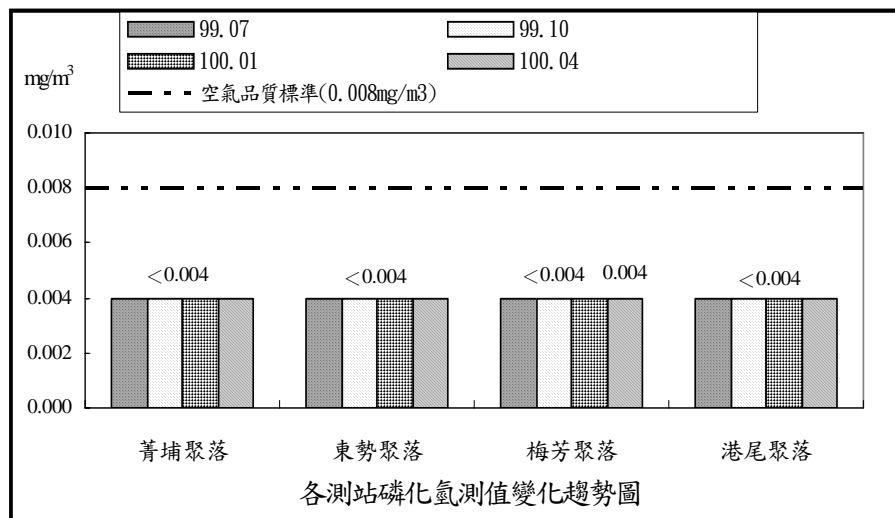
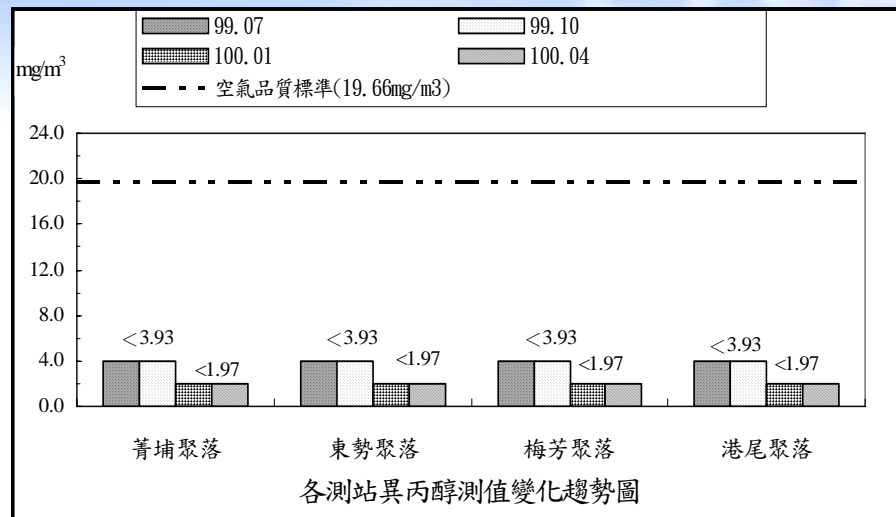
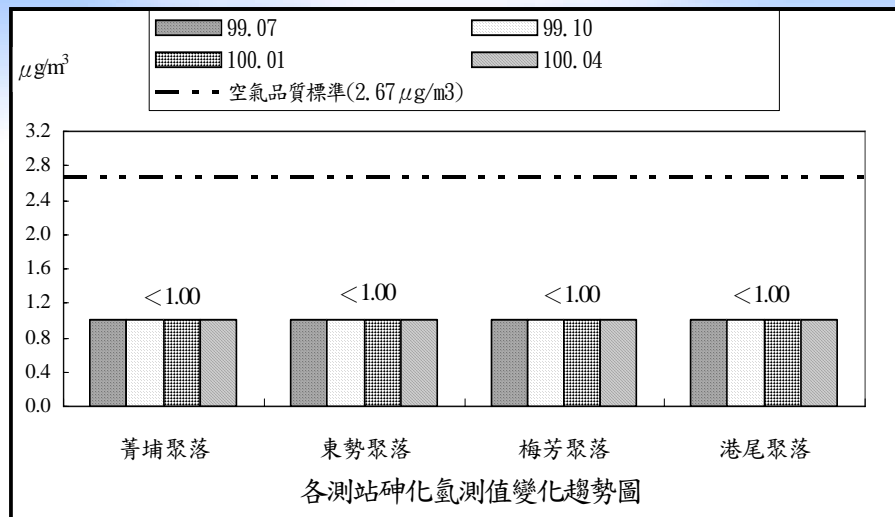
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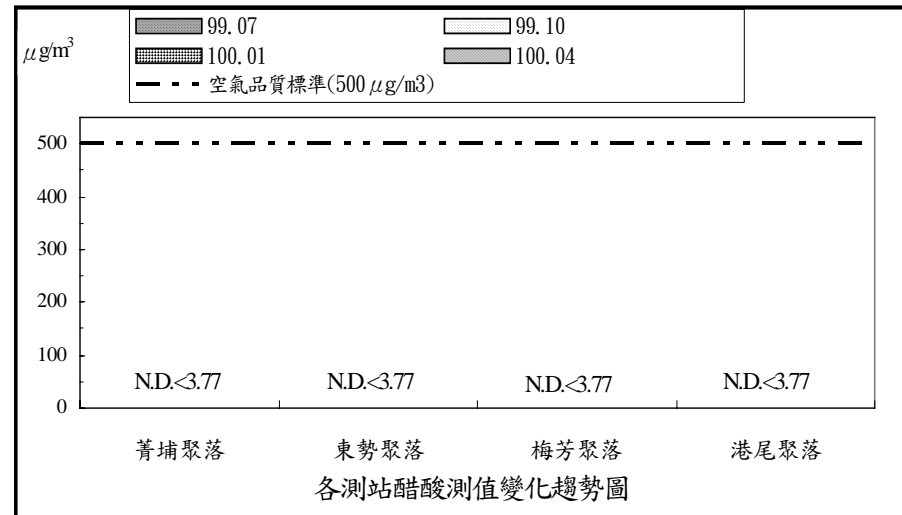
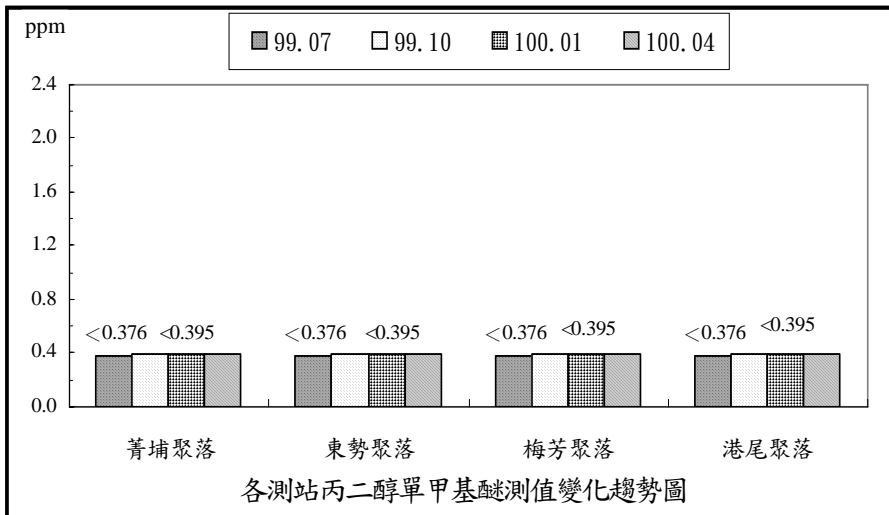
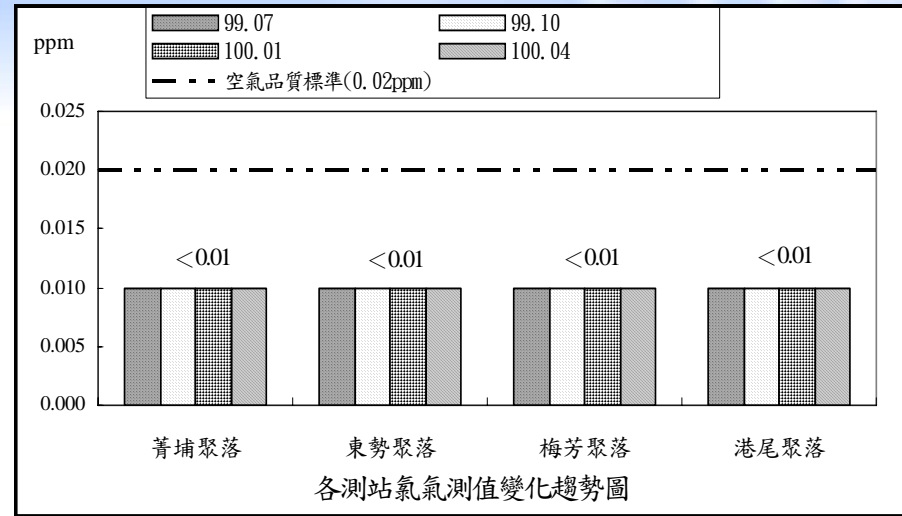
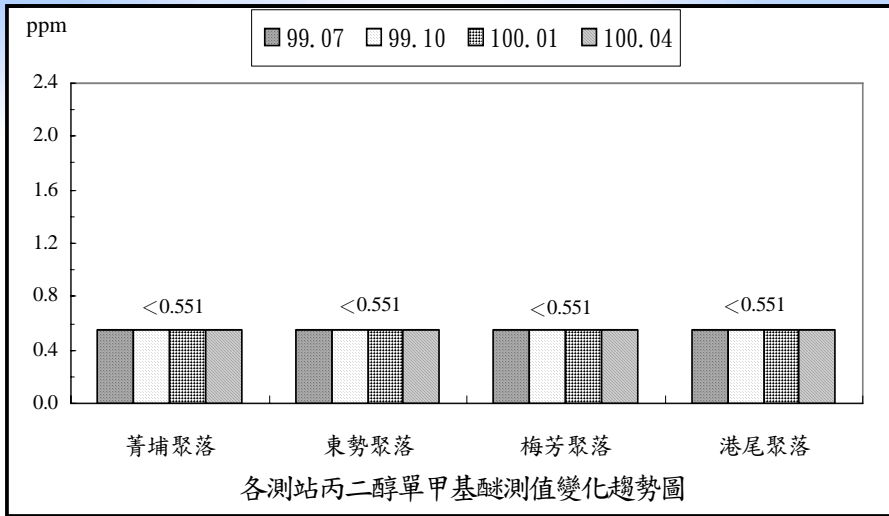
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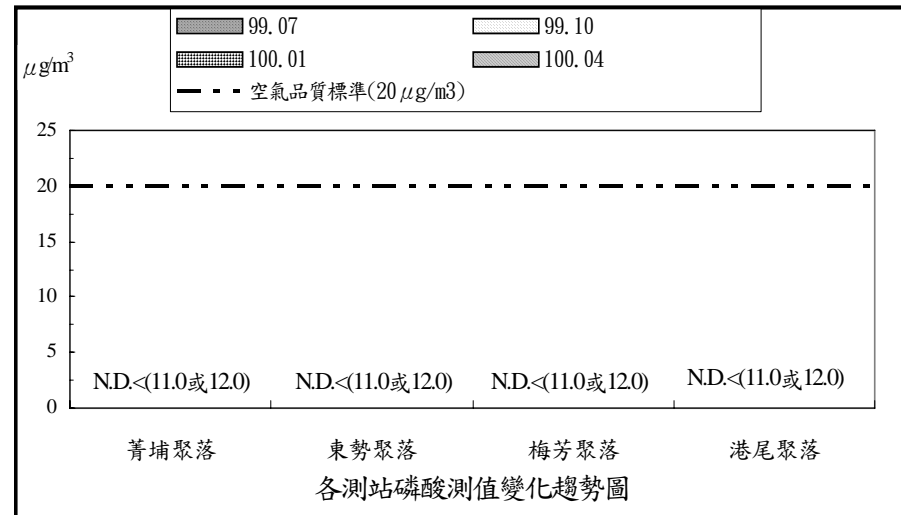
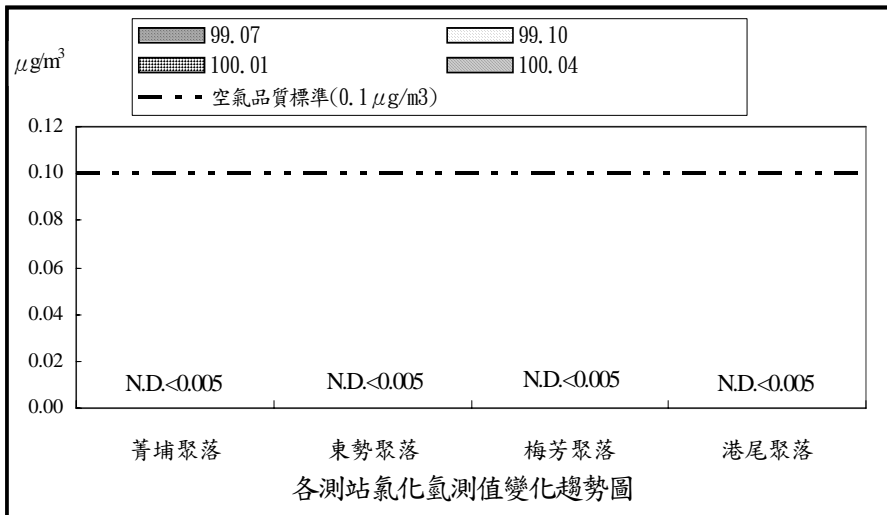
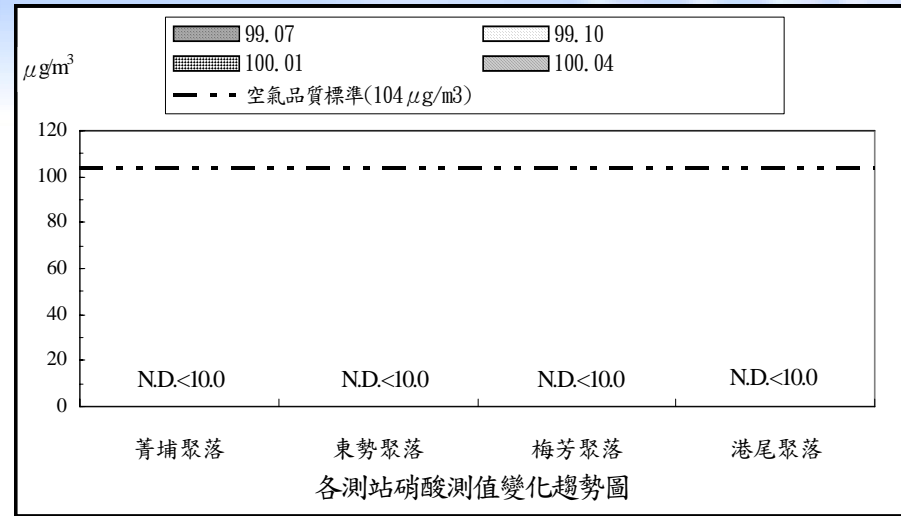
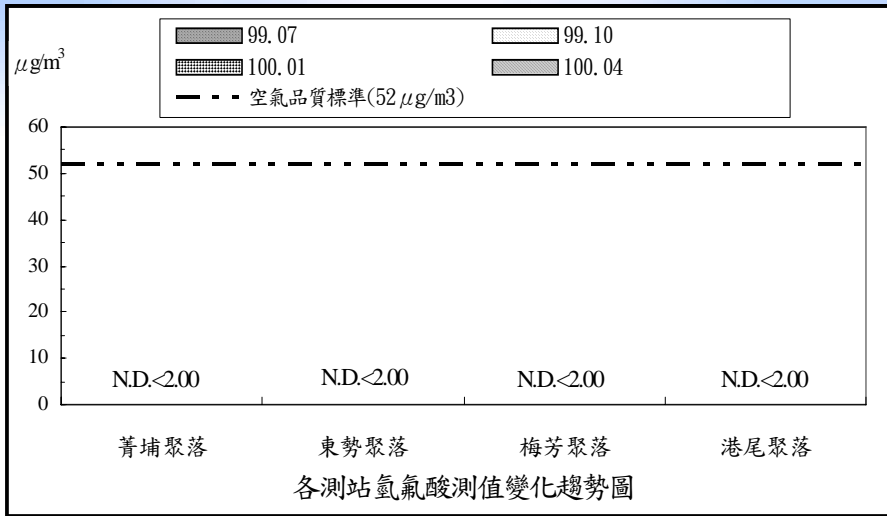
空氣品質



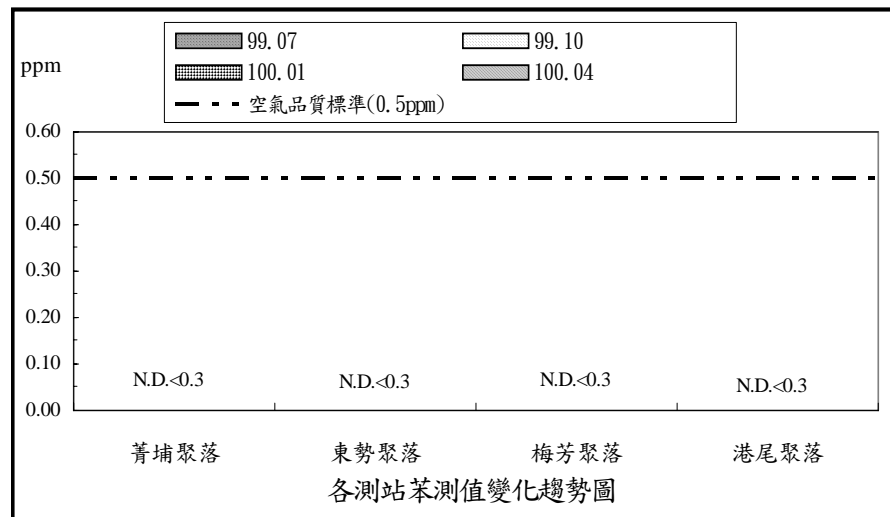
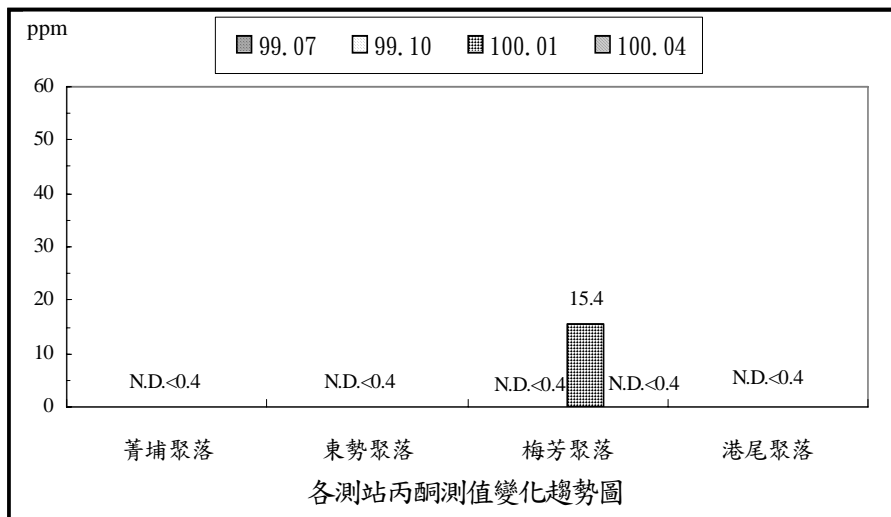
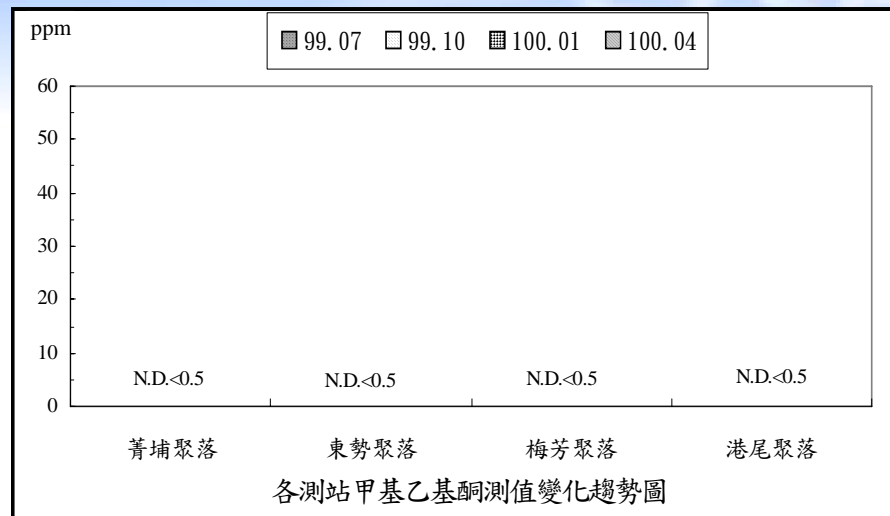
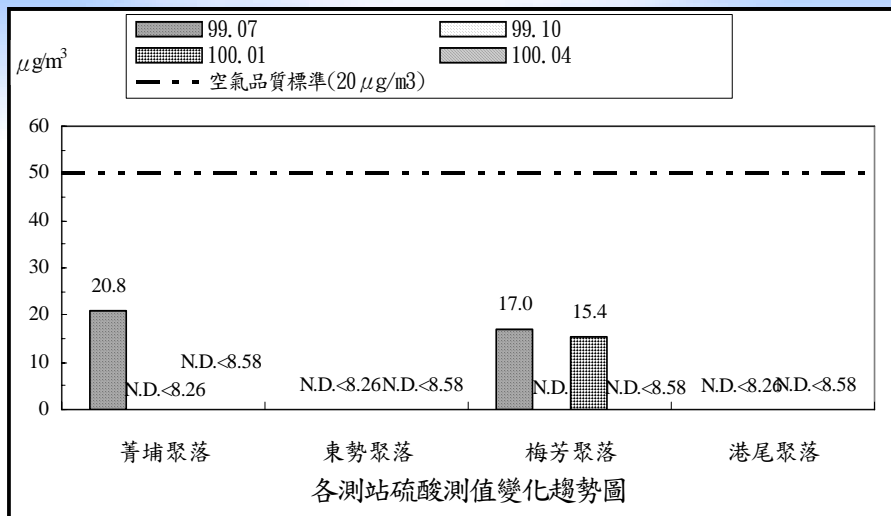
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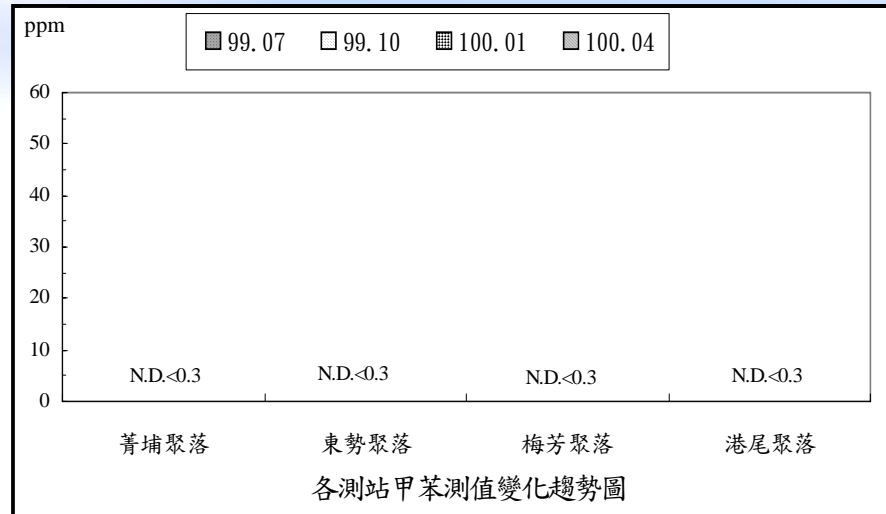
空氣品質



空氣品質



空氣品質

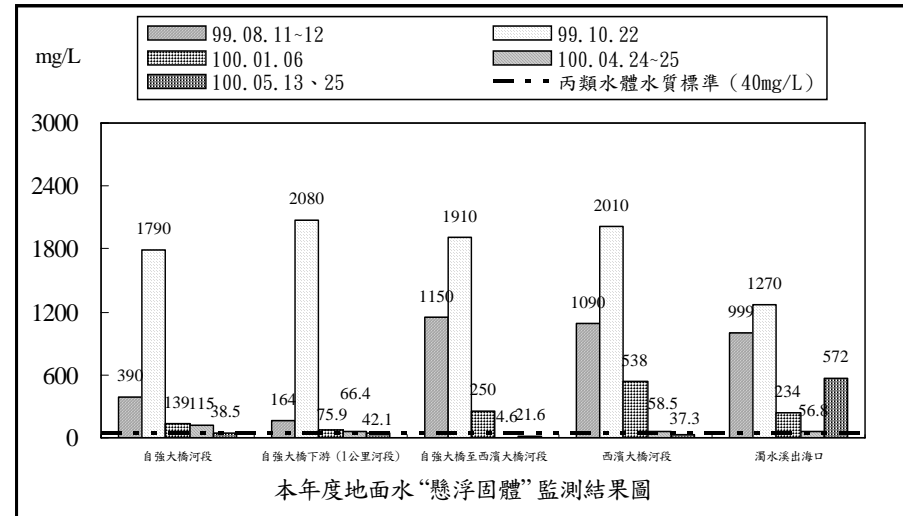
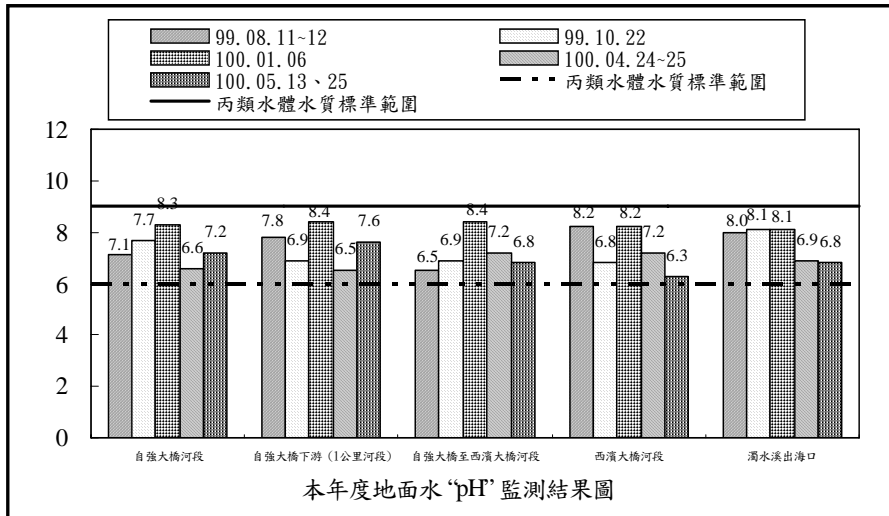
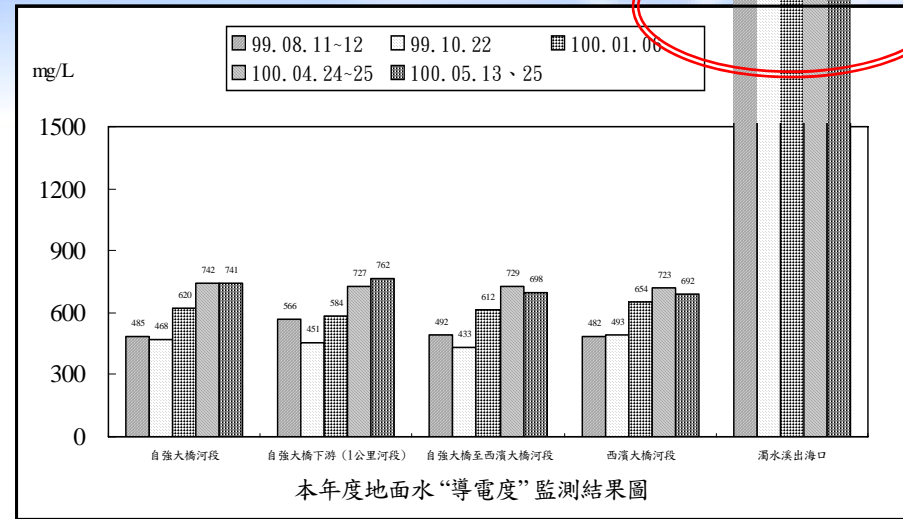
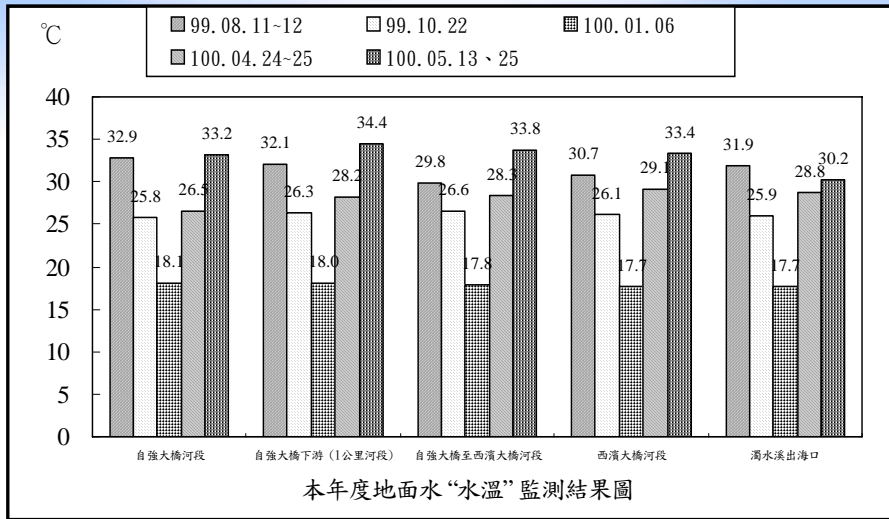


地面水質

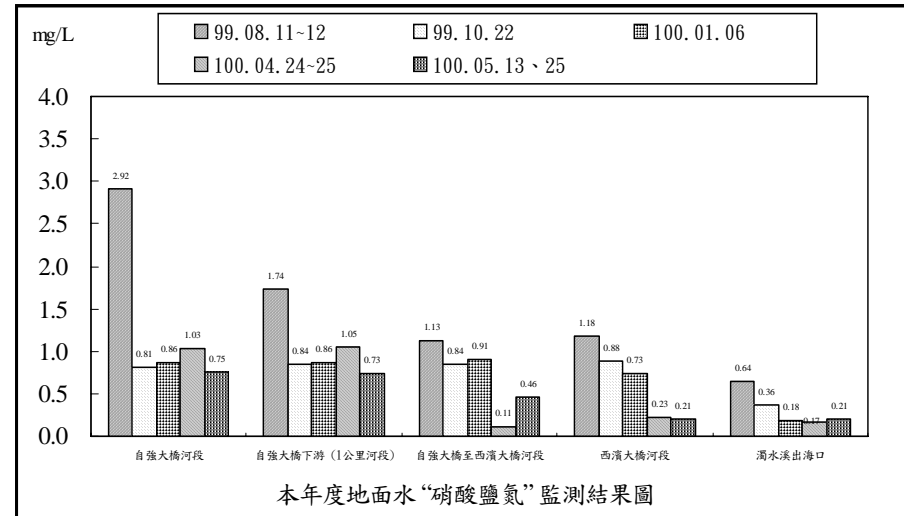
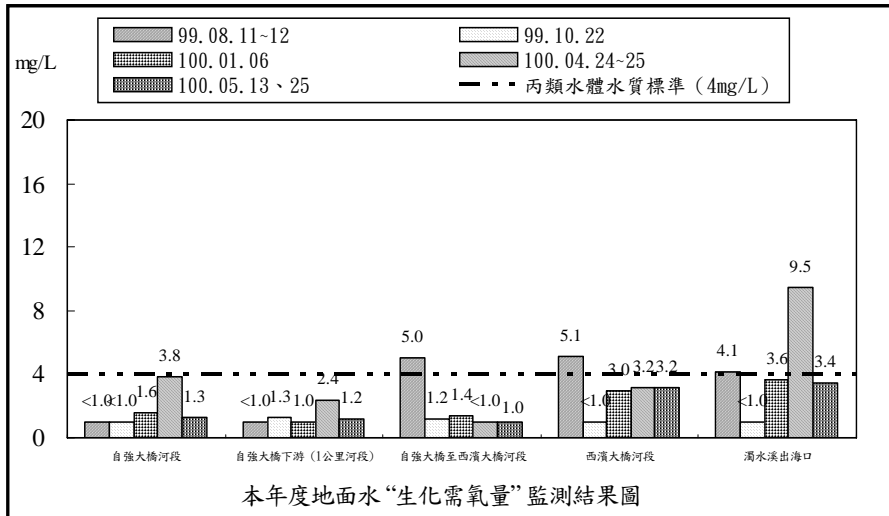
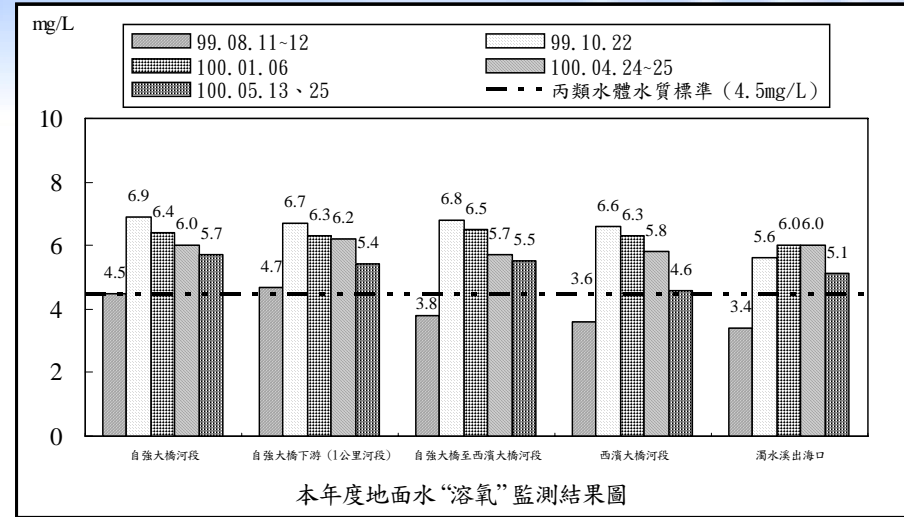
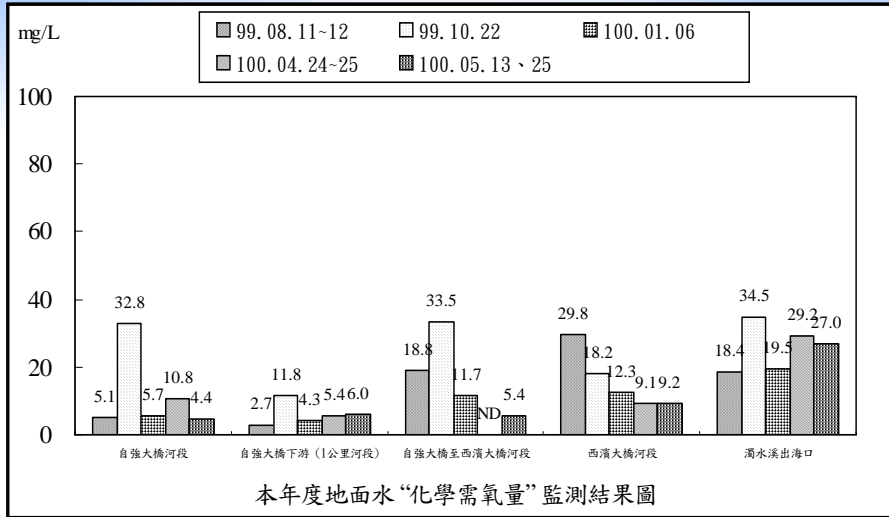
- 監測項目
 - 一般水質項目、重金屬（鉛、鎘、六價鉻、砷、汞、銅、鋅、銻）、總毒性有機物質、環境荷爾蒙
- 監測地點
 - 自強大橋河段、自強大橋下游(1公里河段)、自強大橋至西濱大橋河段、西濱大橋河段及濁水溪出海口五個測站
- 監測結果
 - 懸浮固體、生化需氧量、氨氮及大腸桿菌群測值不符合丙類河川水水質標準，總毒性有機物質各測項均為ND或小於QDL，其總和為0.0142 mg/L，低於放流水標準1.37 mg/L；環境荷爾蒙測值均小於QDL。

地面水質

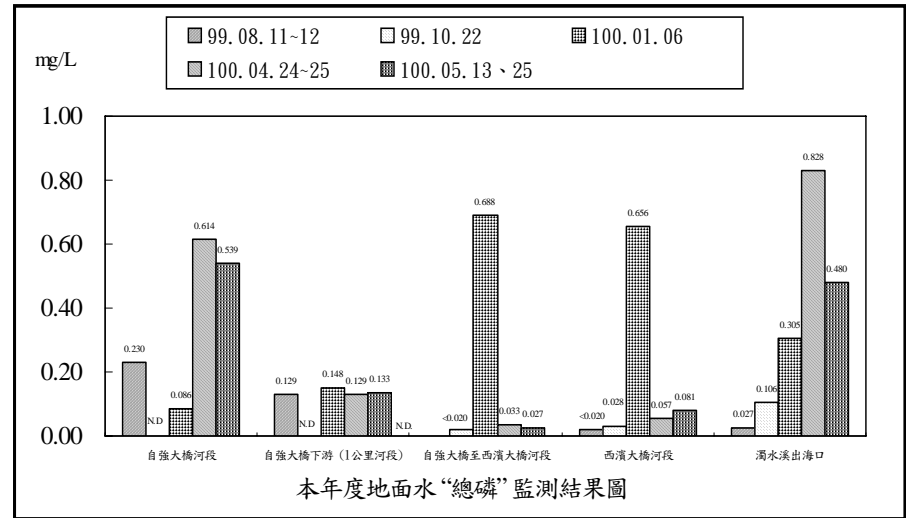
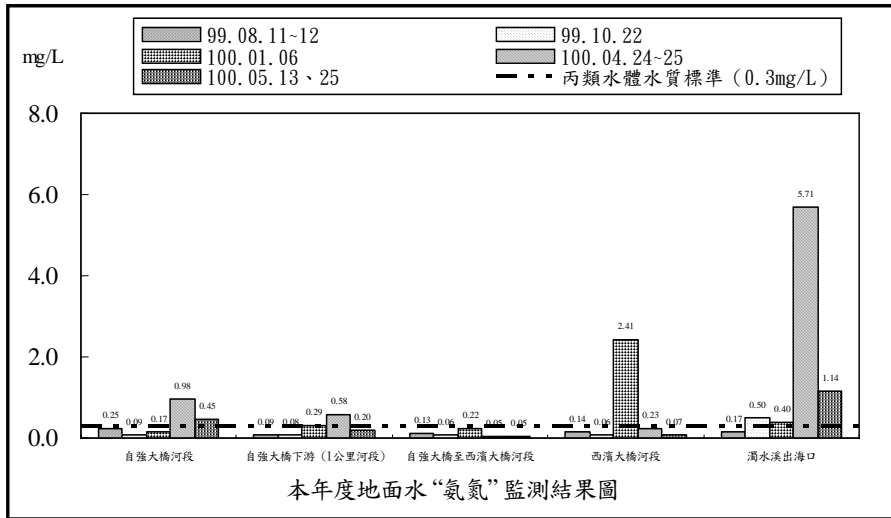
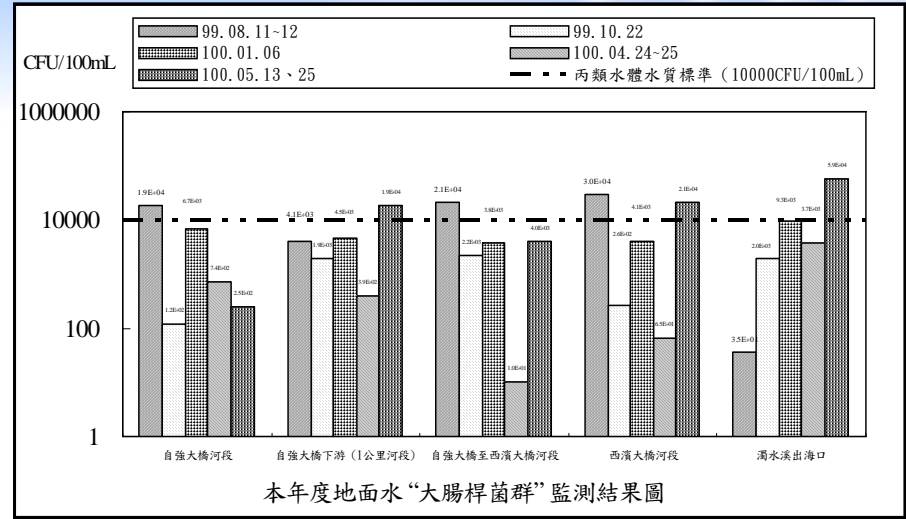
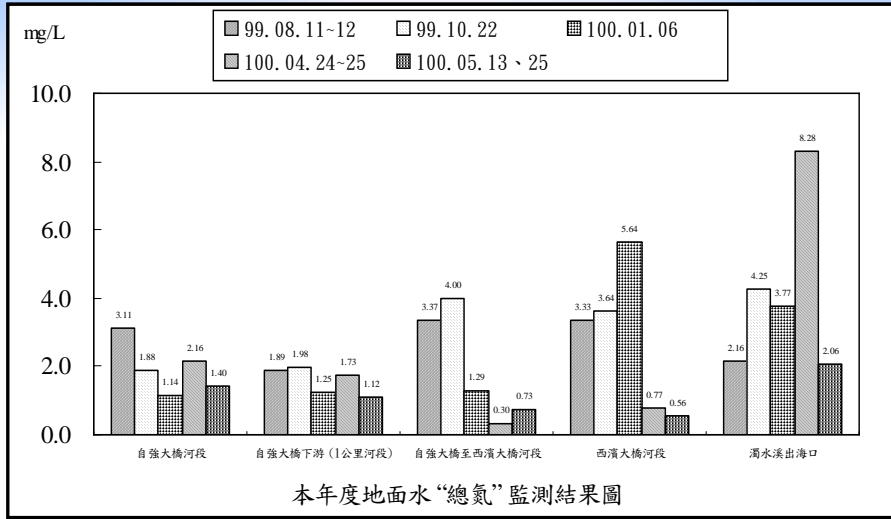
位於出海口



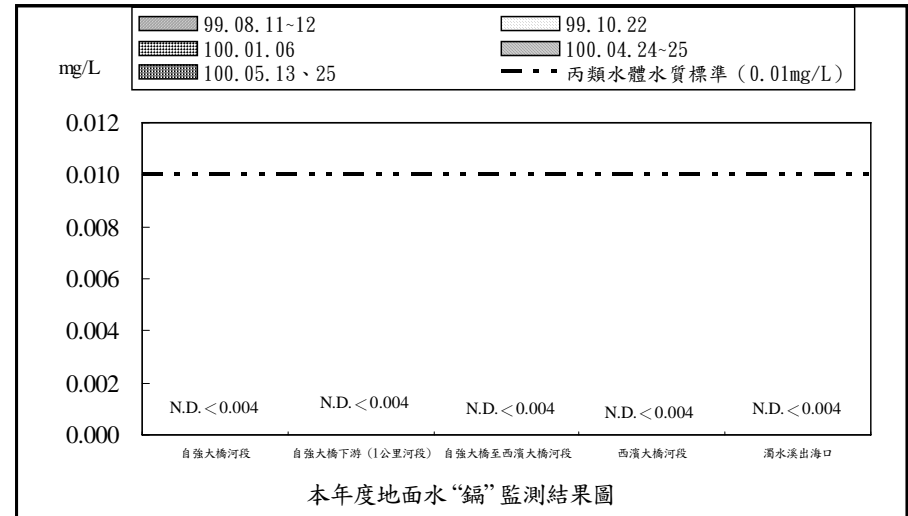
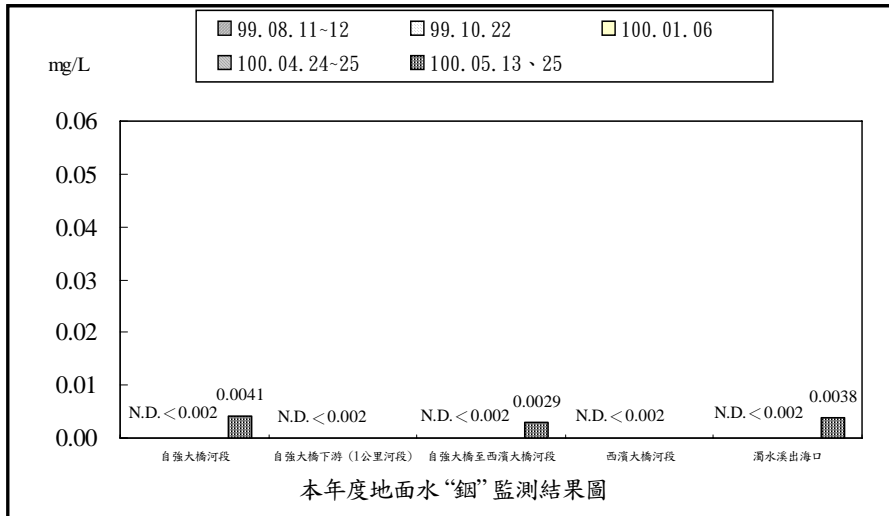
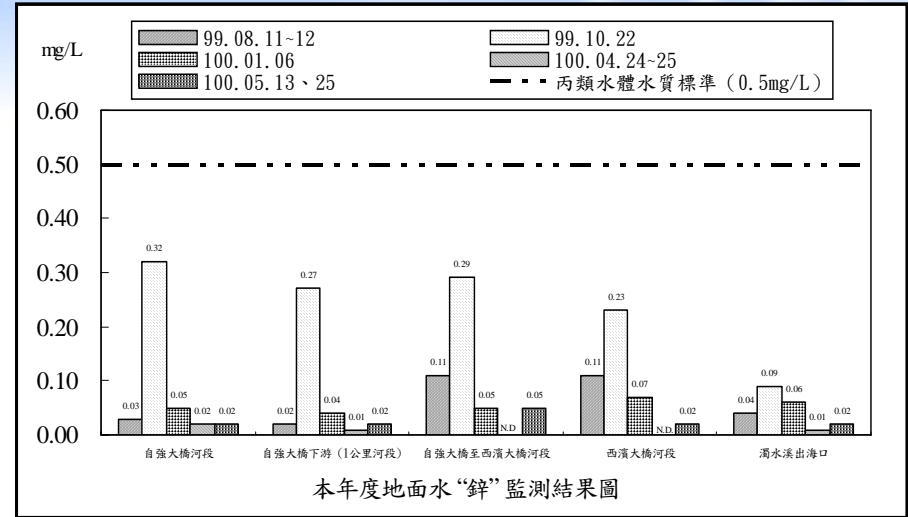
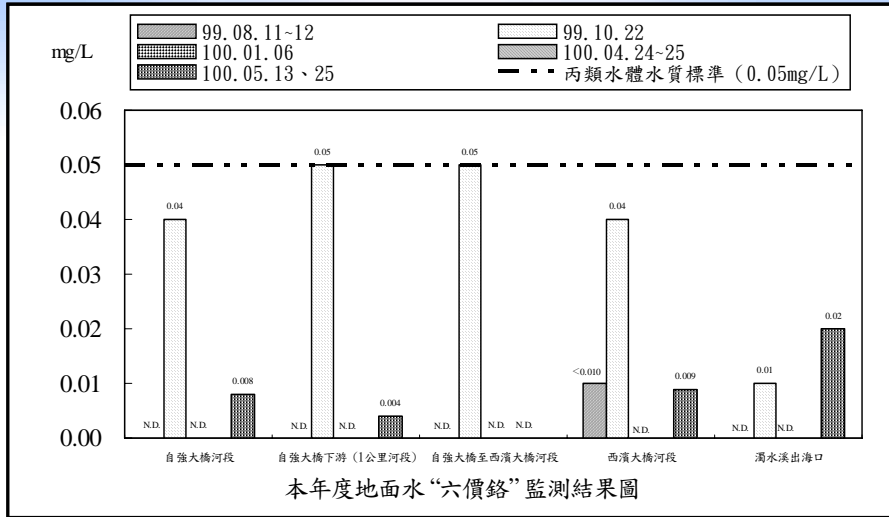
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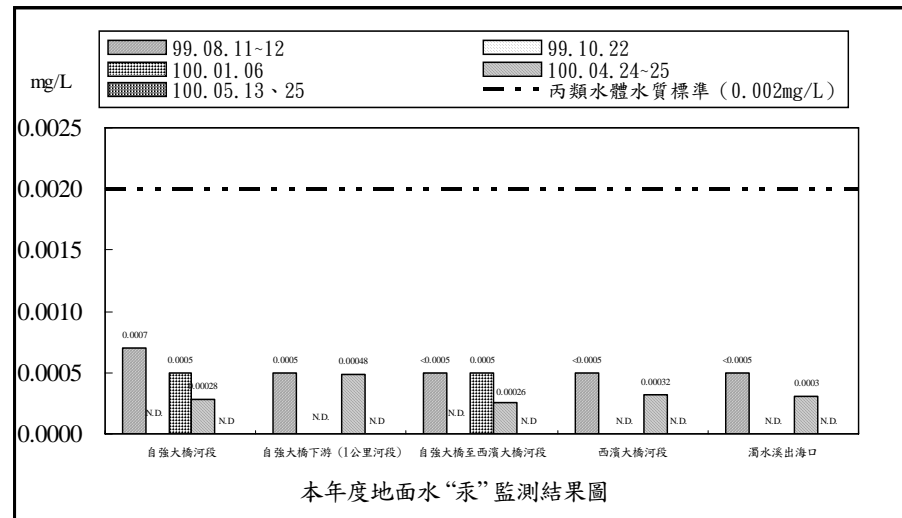
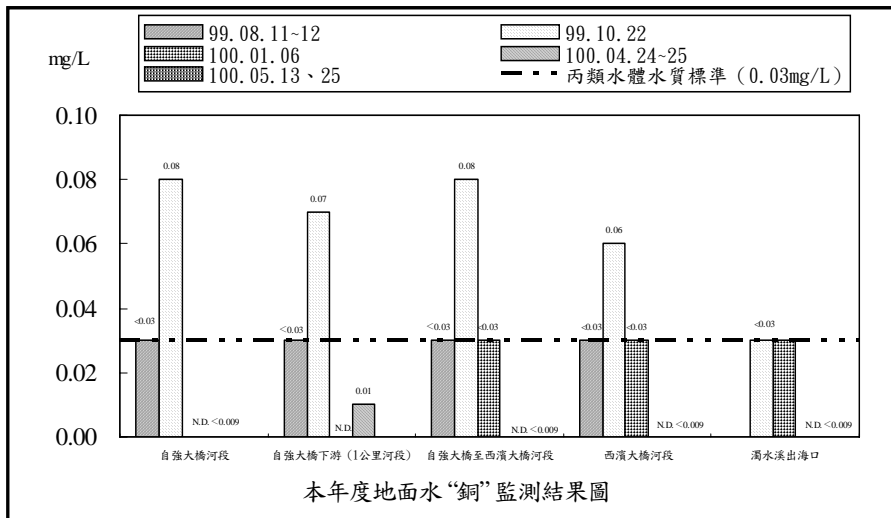
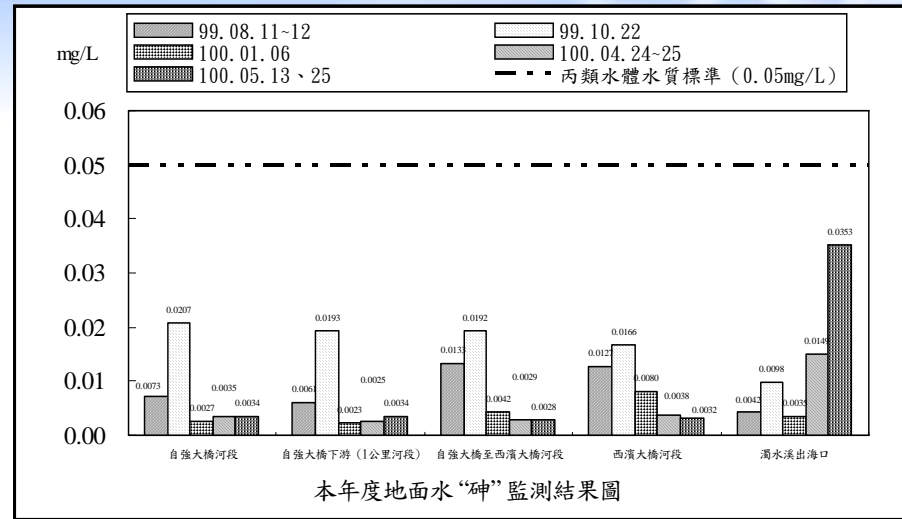
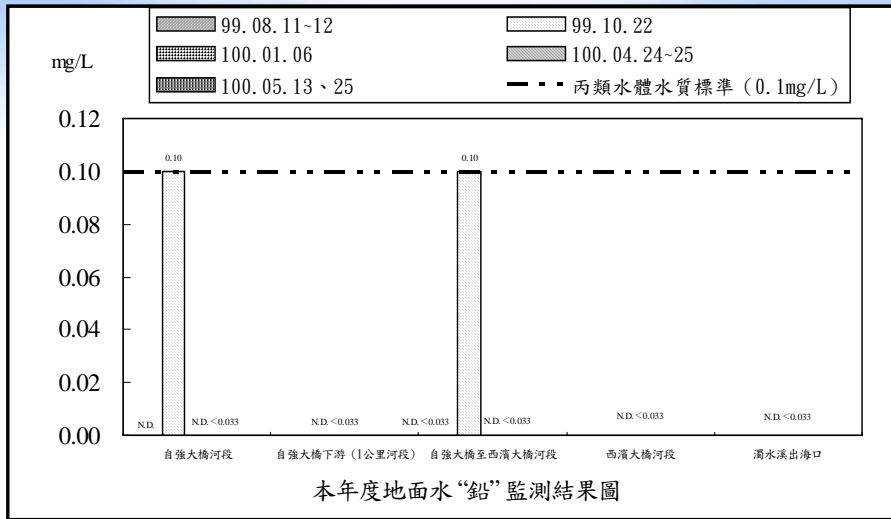
地面水質



地面水質



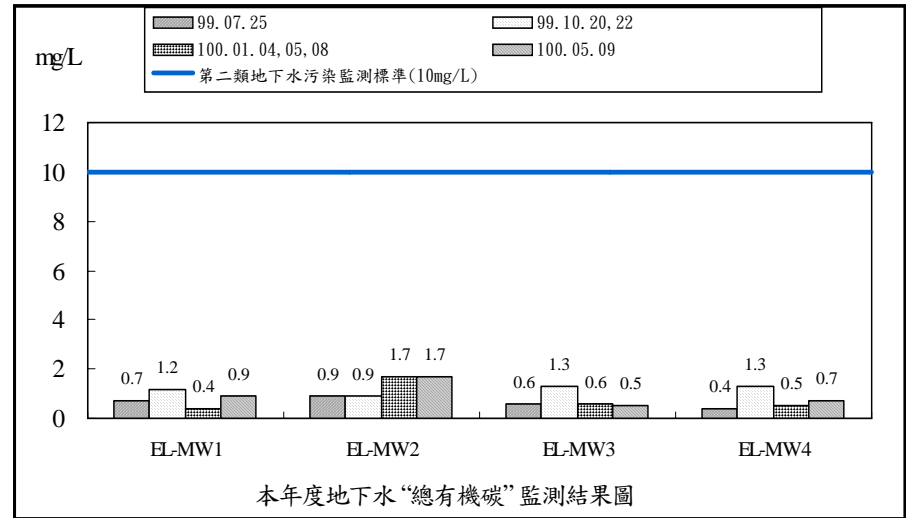
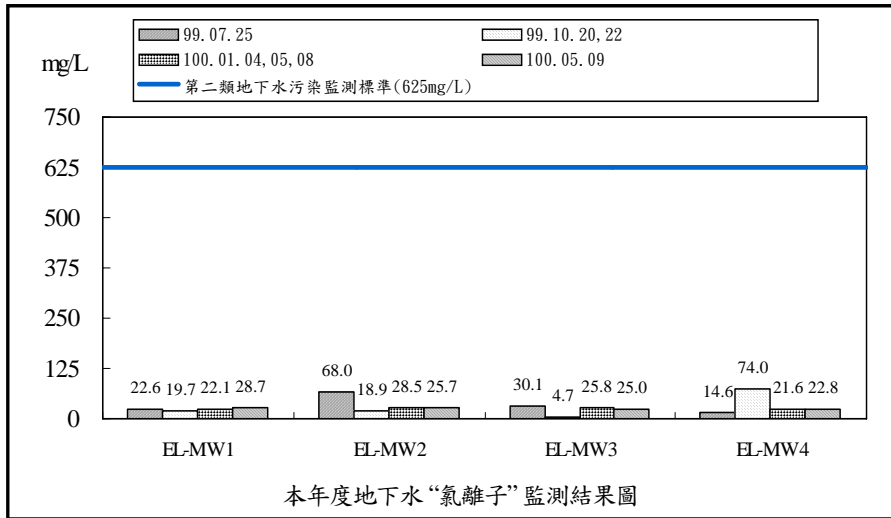
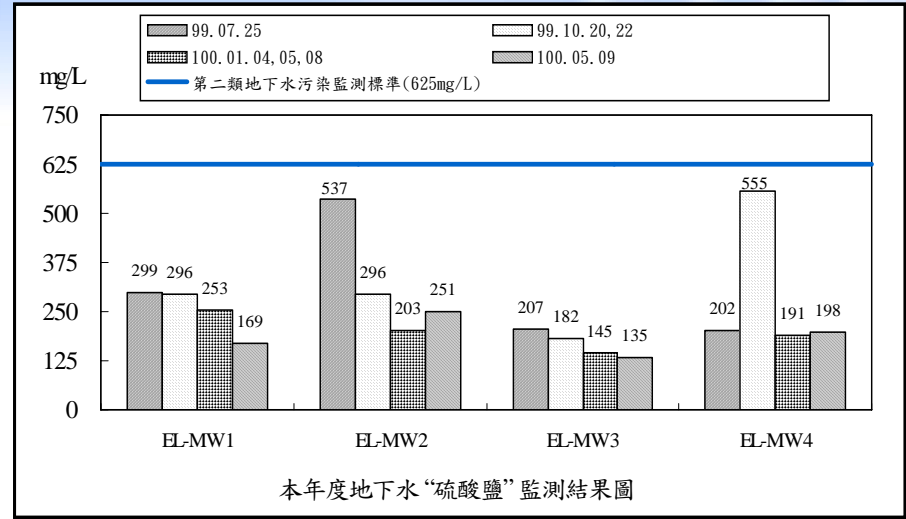
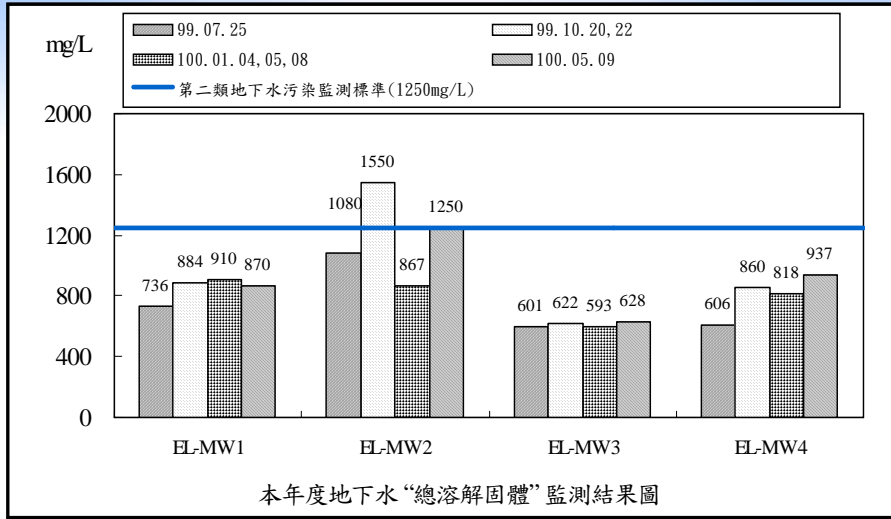
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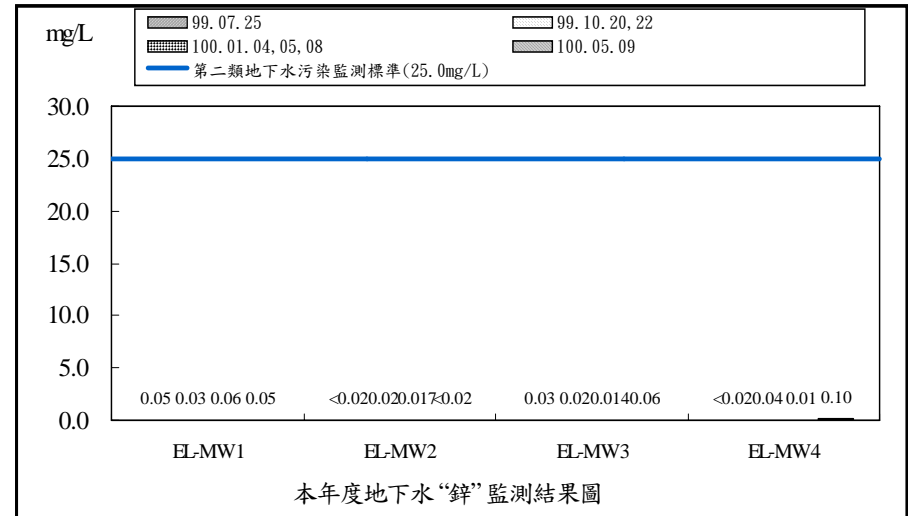
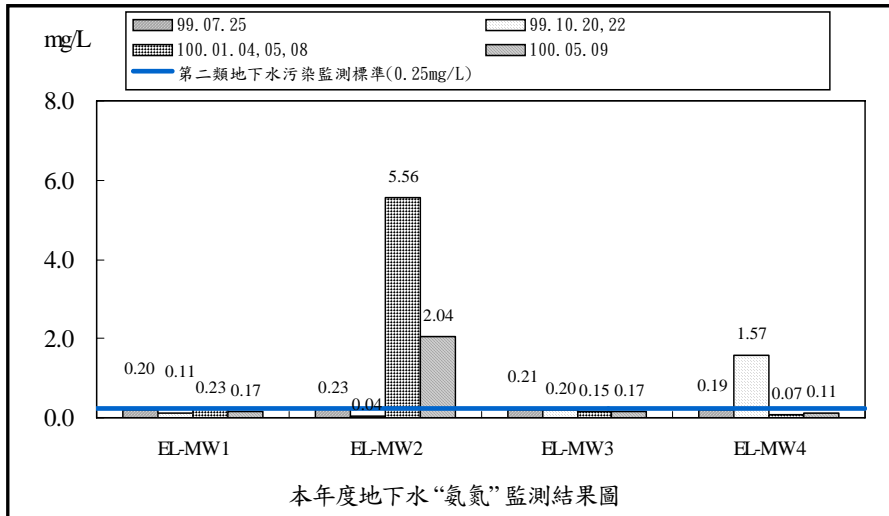
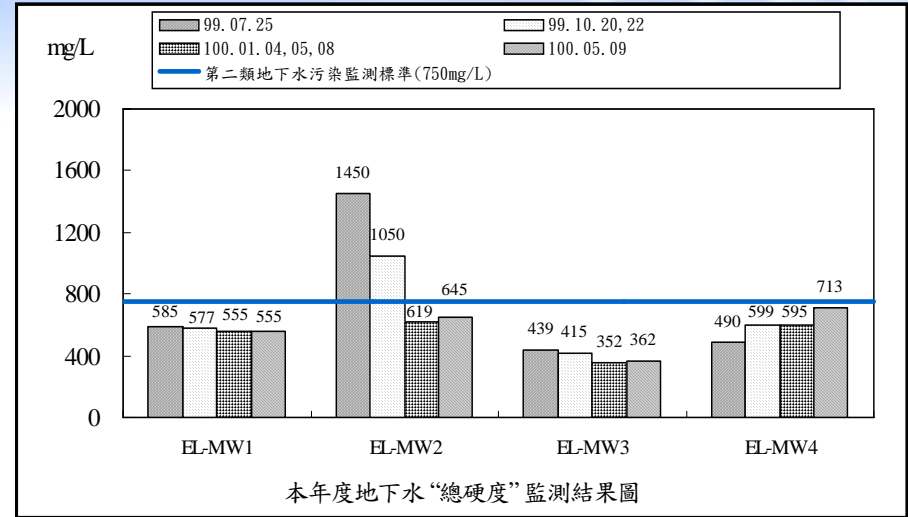
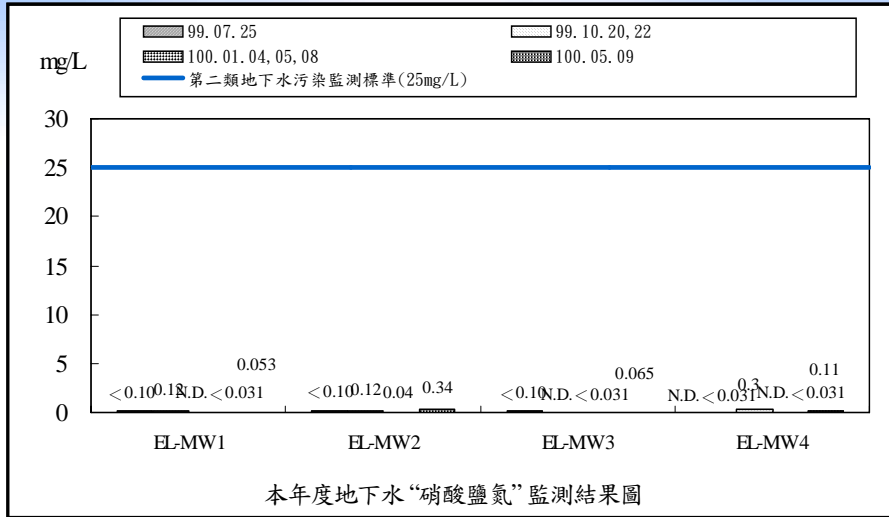
地下水質

- 監測項目
 - 總硬度、總溶解固體物、氯鹽、氨氮、硝酸鹽氮、亞硝酸鹽氮、硫酸鹽、總有機碳、重金屬（砷、鎘、鉻、銅、鉛、鋅、鐵、錳、鈉、鎂、鈉、鉍）、有機化合物
- 監測地點
 - EL-MW1、EL-MW2、EL-MW3、EL-MW4
- 監測結果
 - 各測站測值除氨氮、鐵、錳超出第二類地下水監測標準外，均符合地下水污監測基準及地下水污染管制標準。

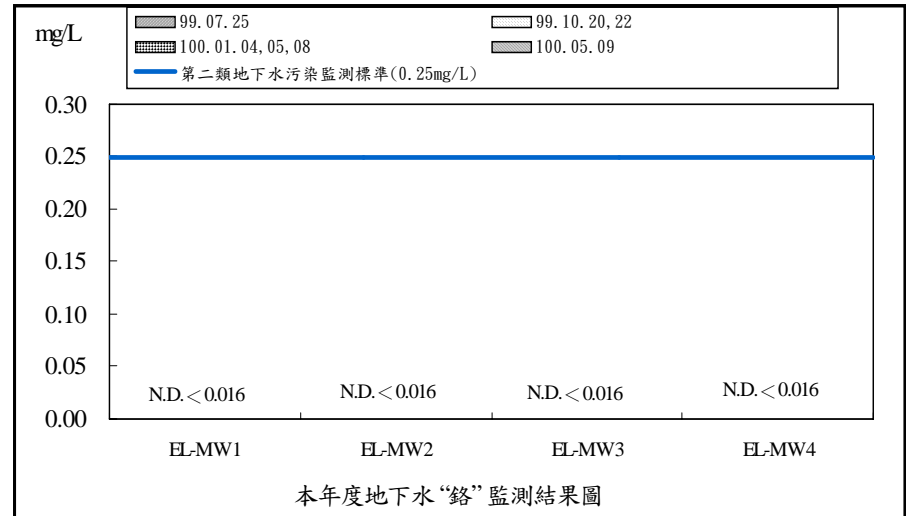
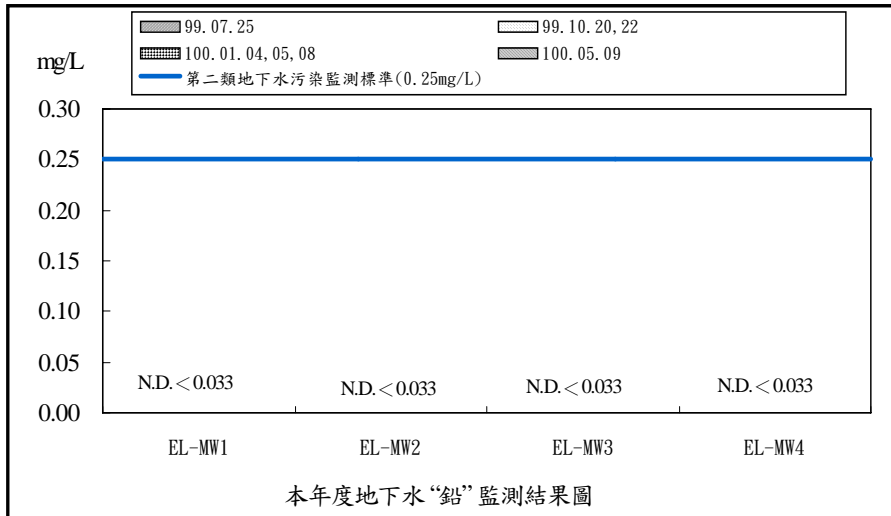
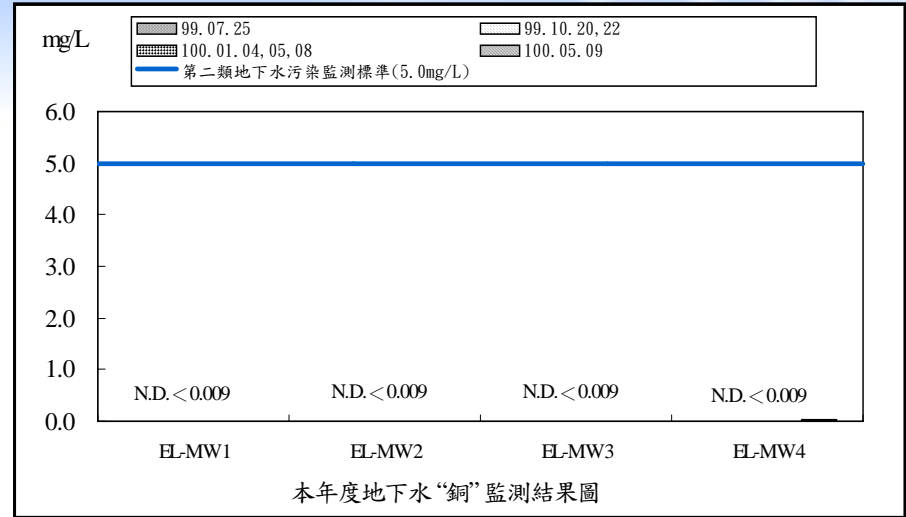
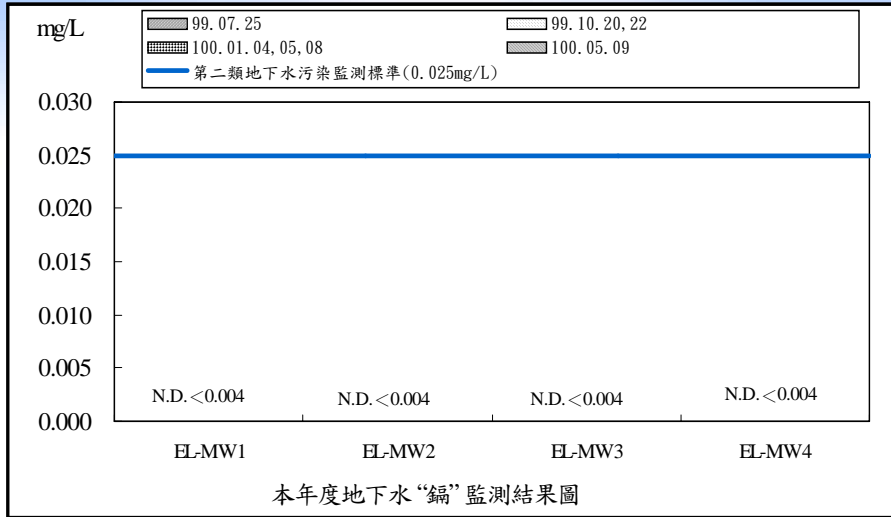
地下水質



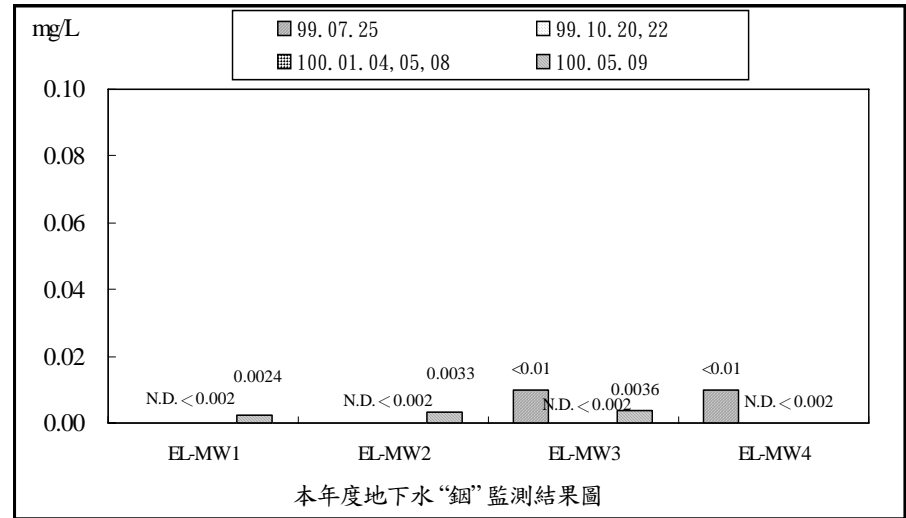
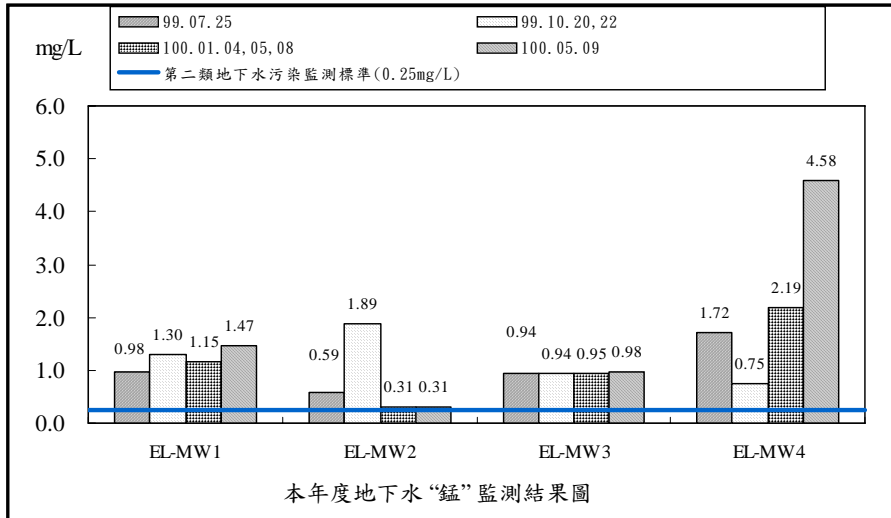
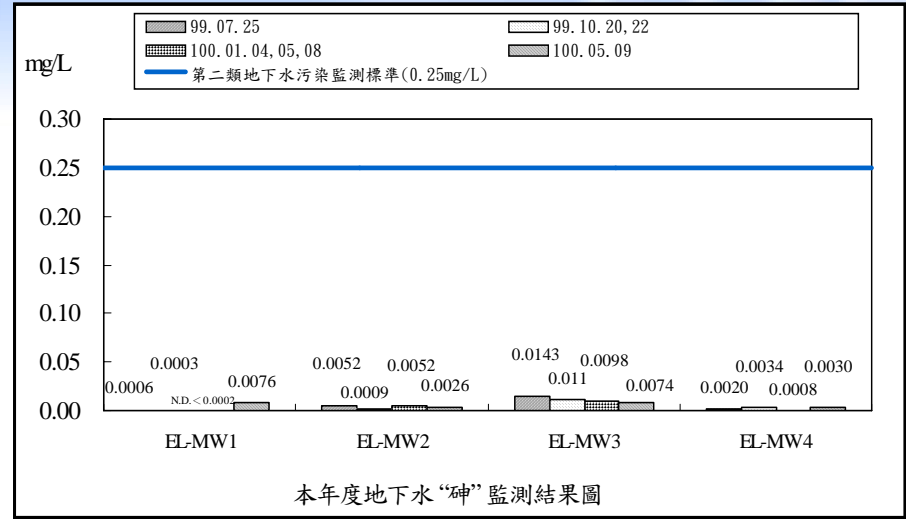
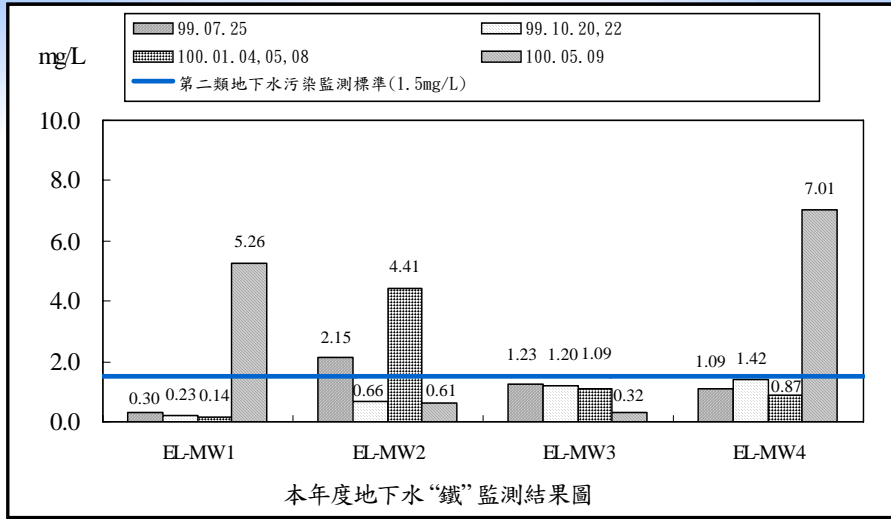
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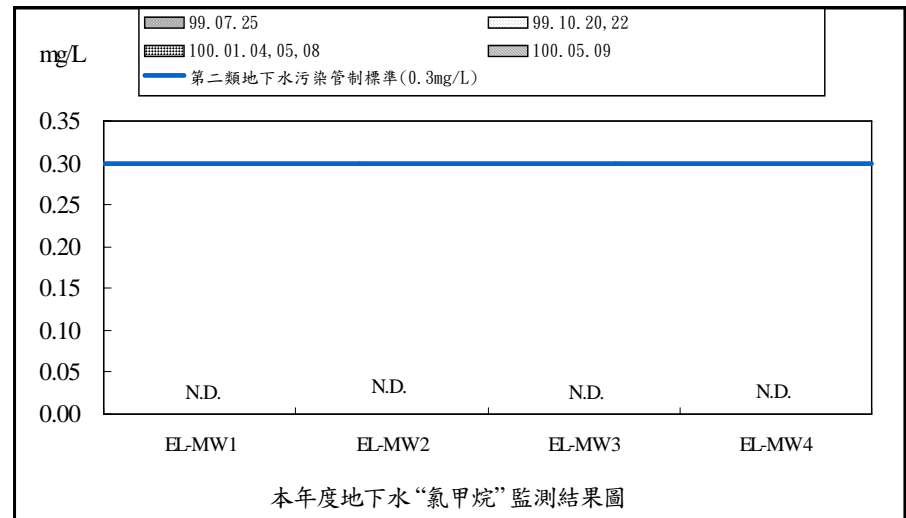
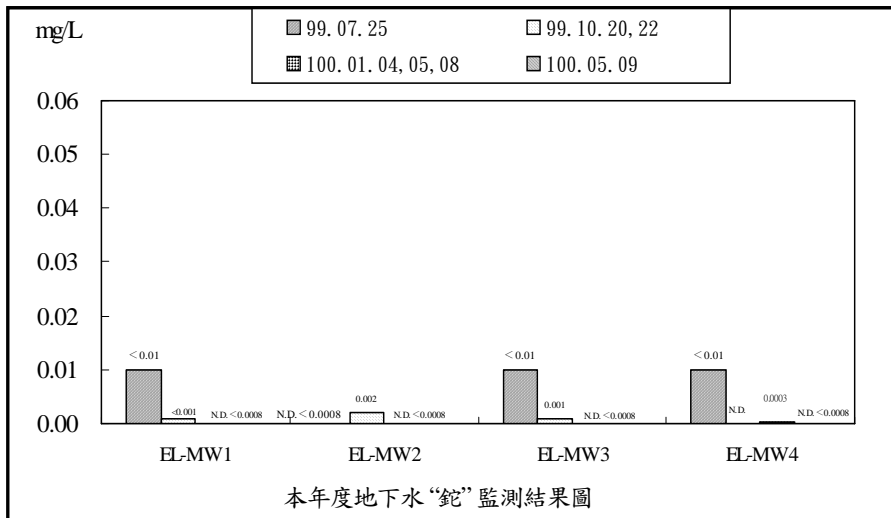
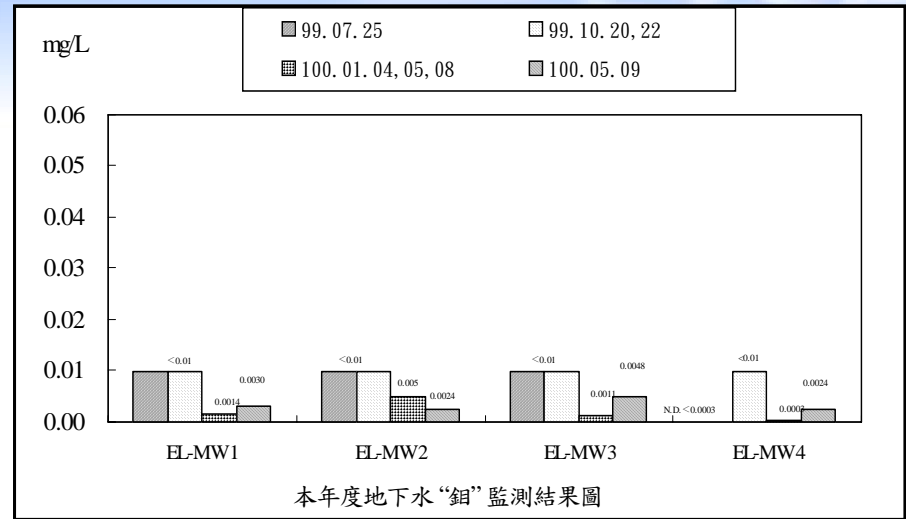
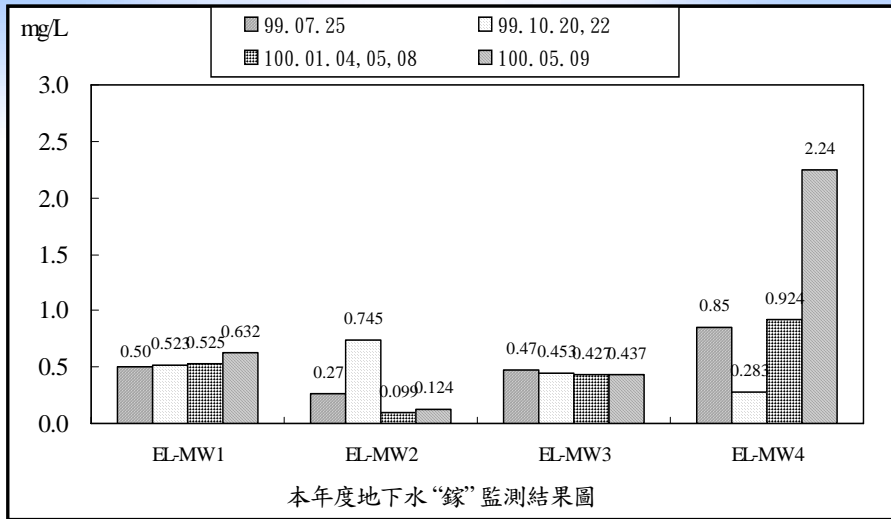
地下水質



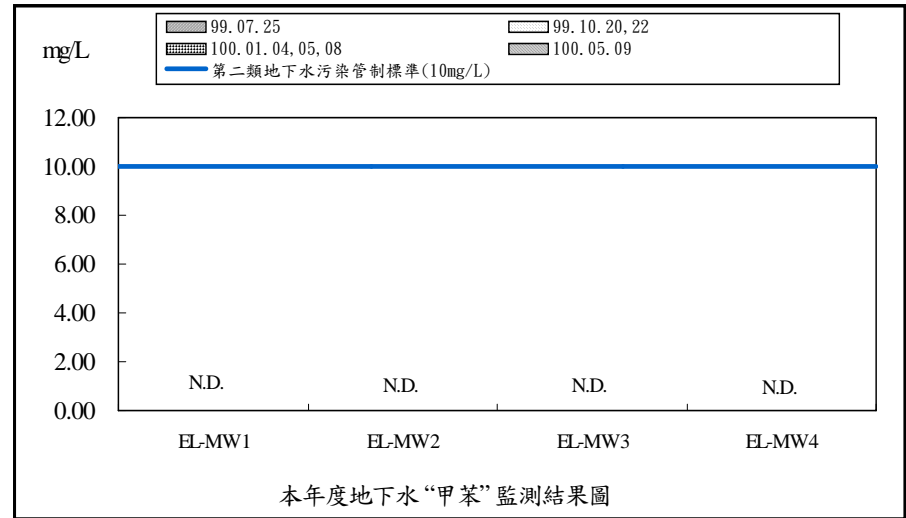
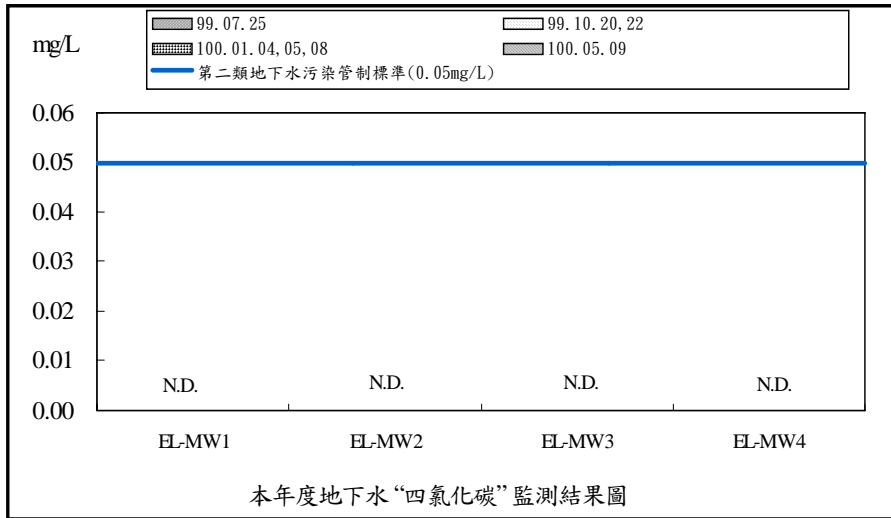
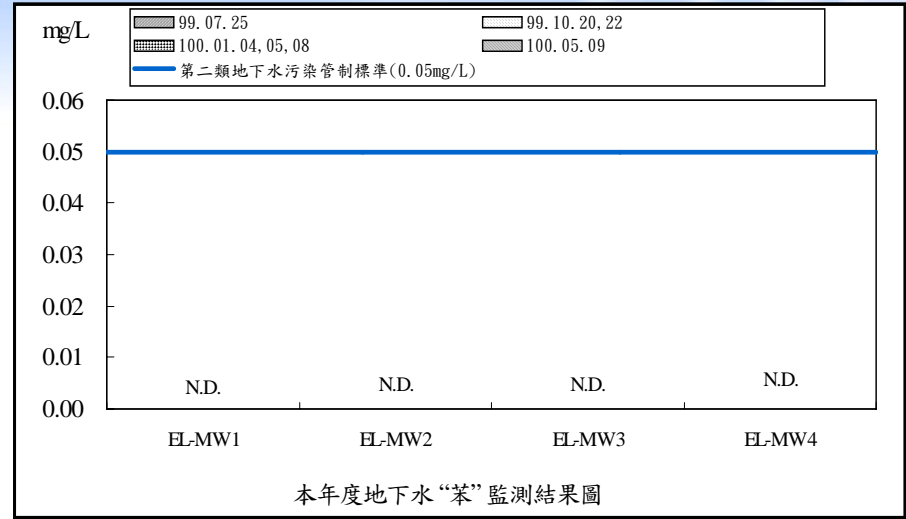
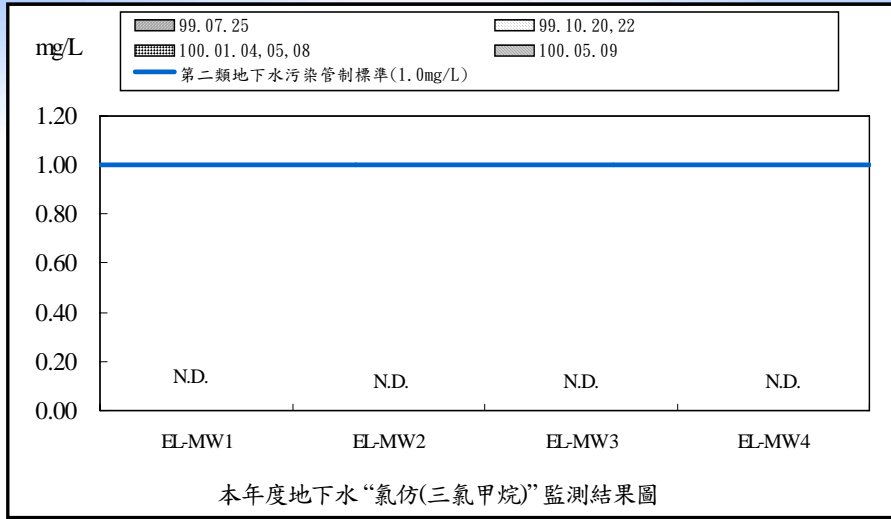
地下水質



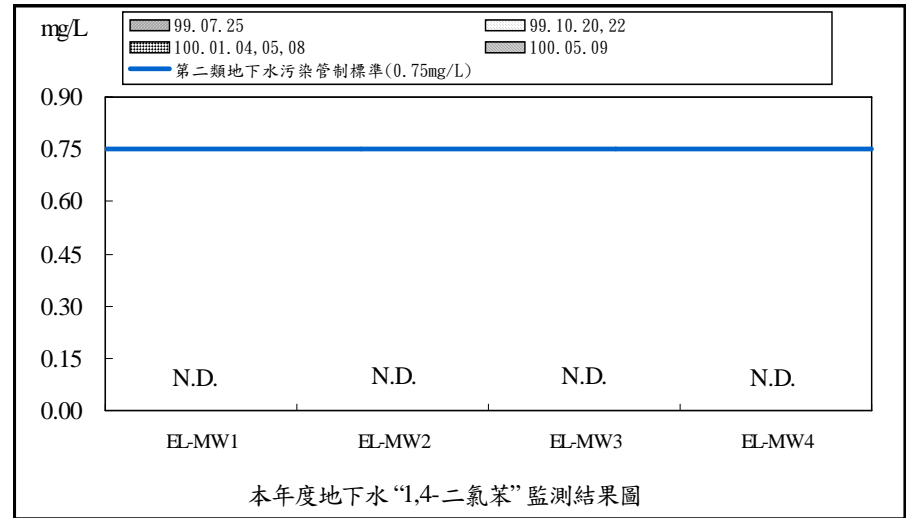
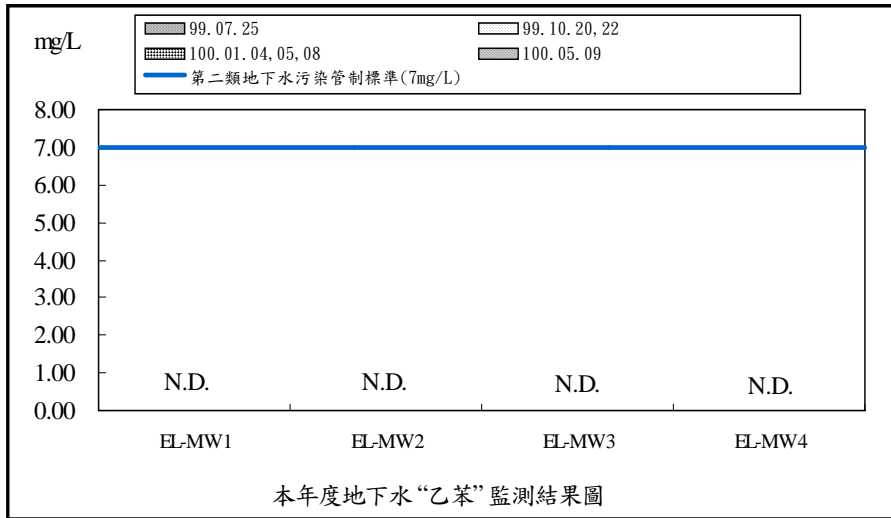
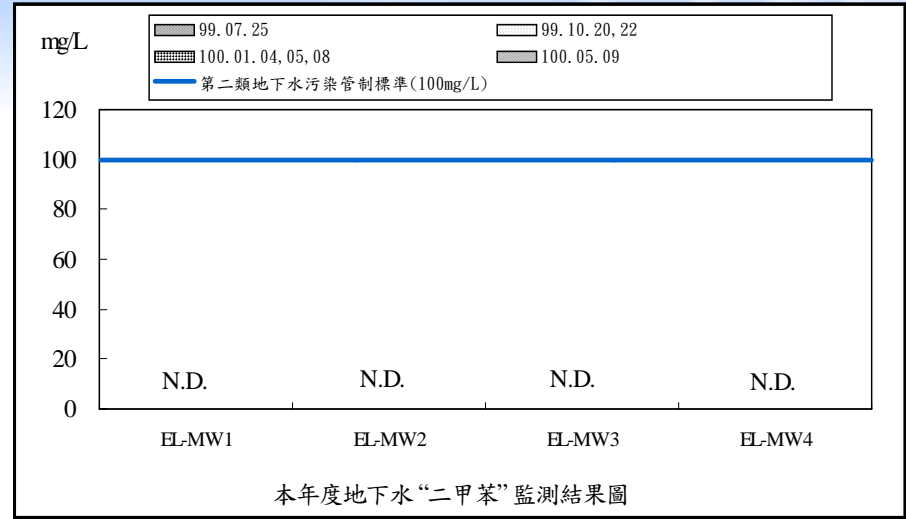
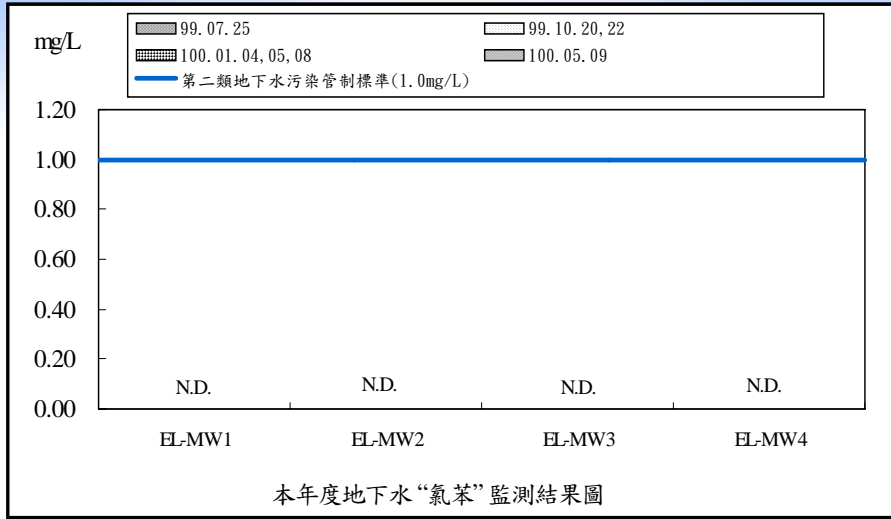
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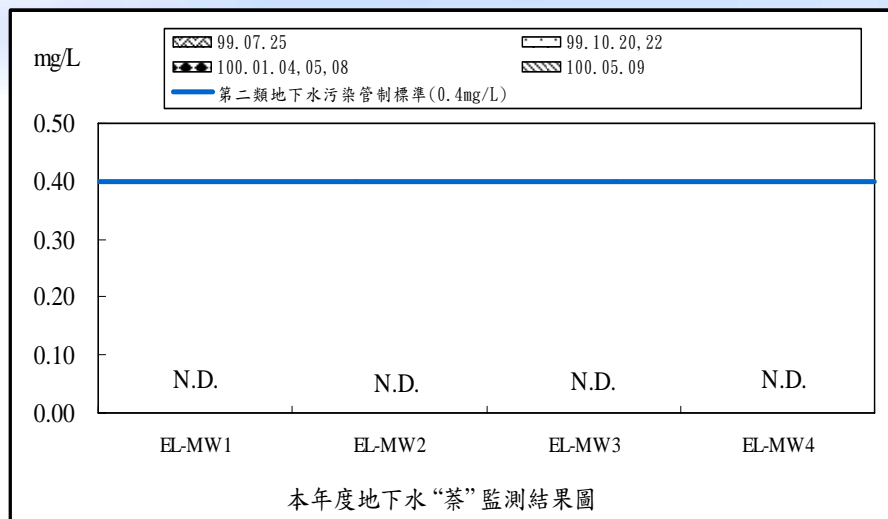
地下水質



地下水質



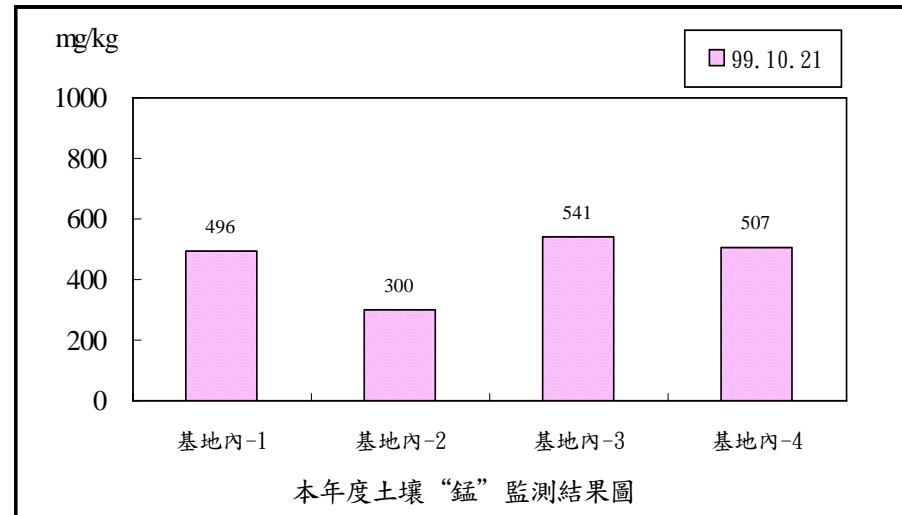
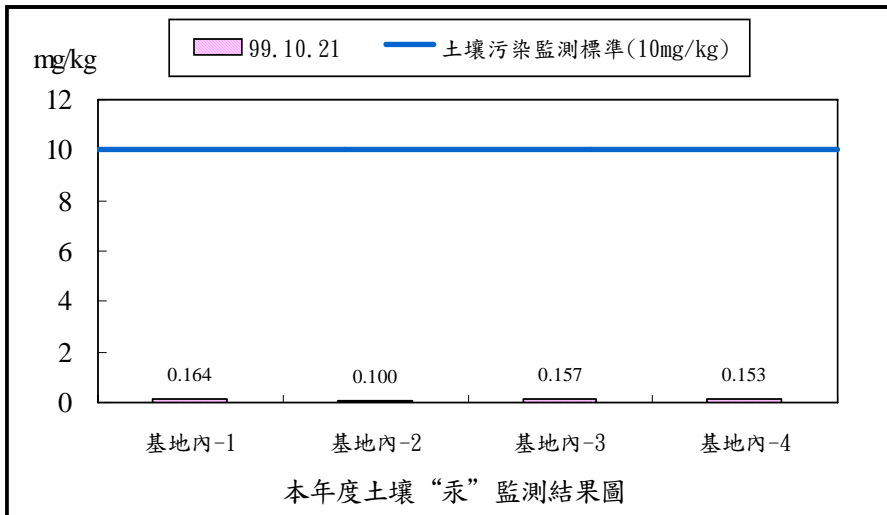
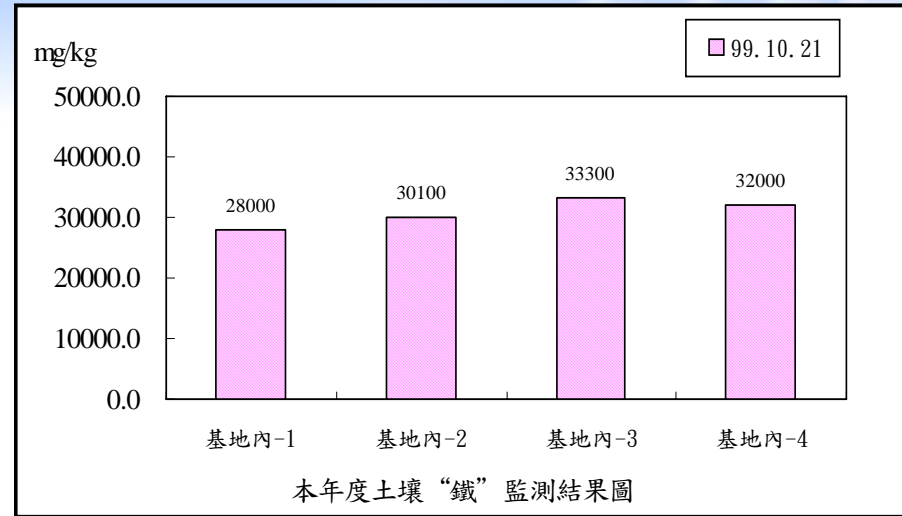
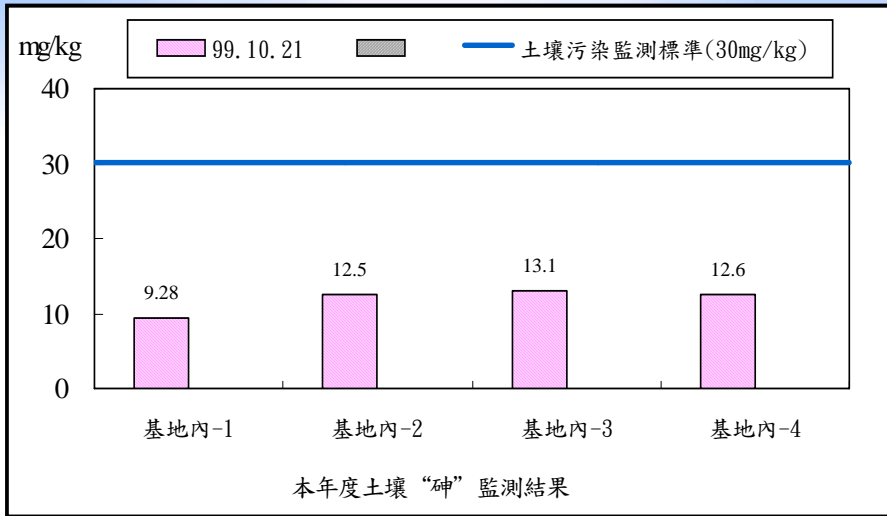
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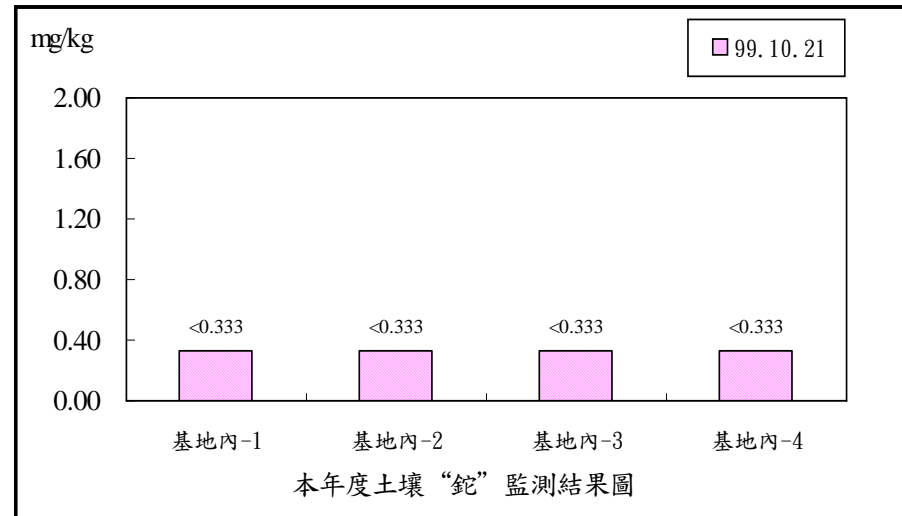
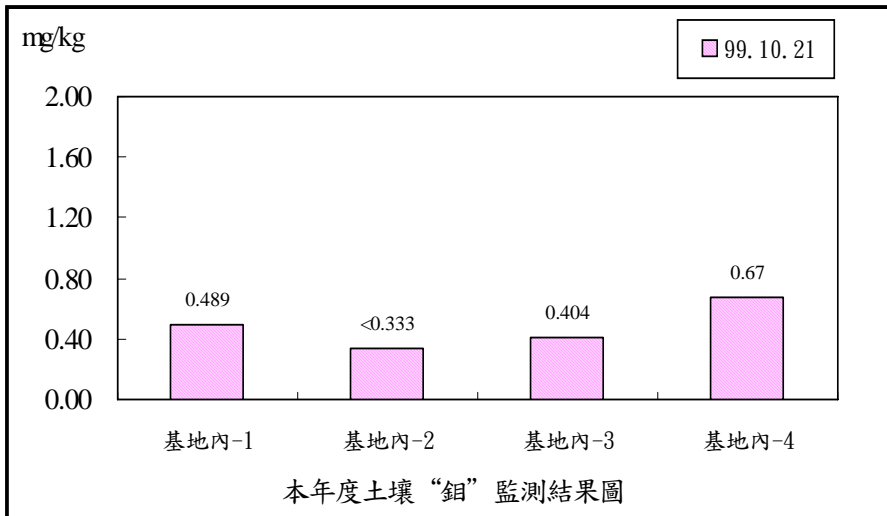
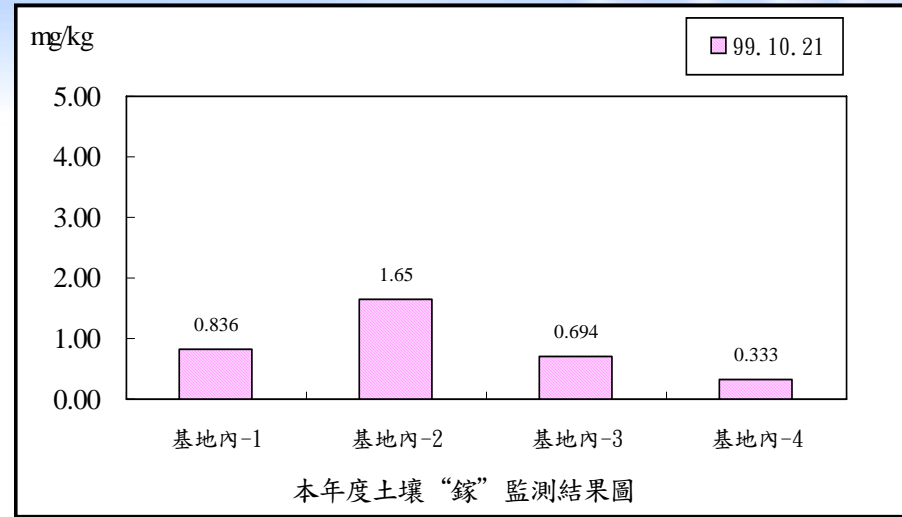
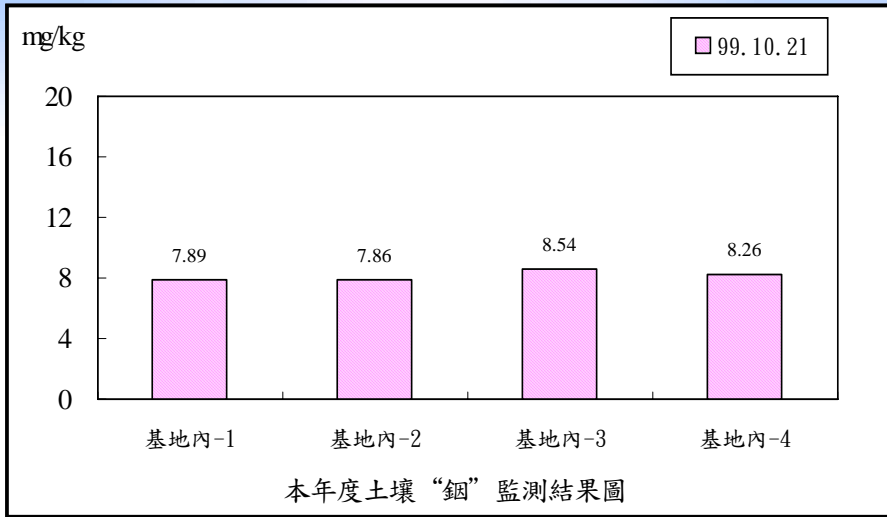
土壤

- 監測項目
 - 有機化合物、重金屬（砷、鎘、鉻、銅、汞、鎳、鉛、鋅、鐵、錳、鈷、鎘、鉍、鉬）
- 監測地點
 - 園區事業專用區內
- 監測結果
 - 各測站測值均符合土壤污監測標準及土壤污染管制標準。

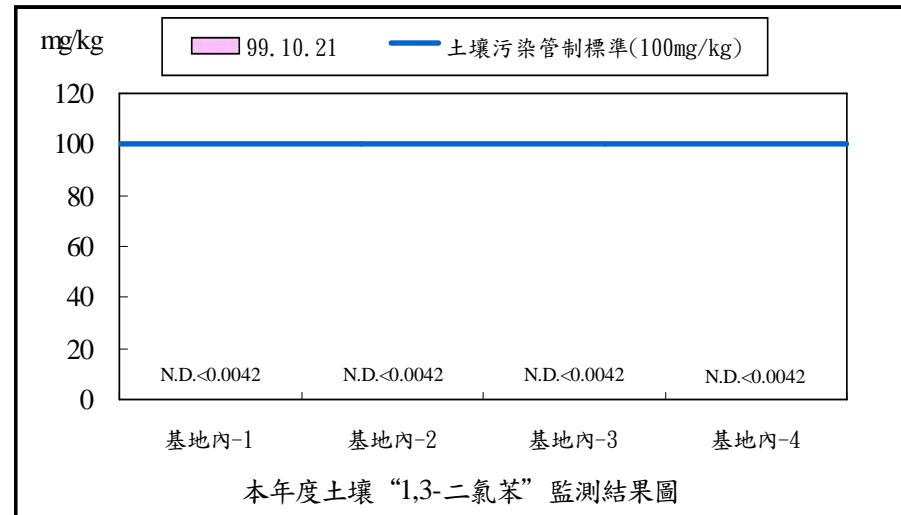
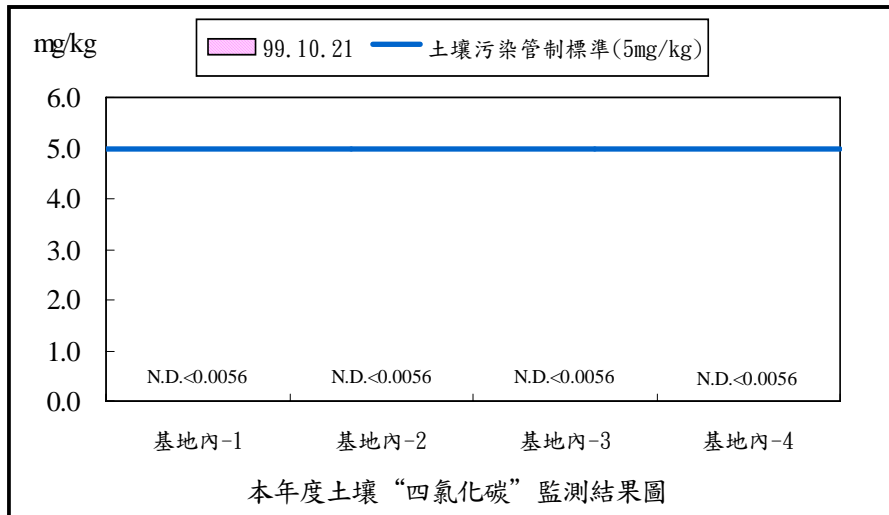
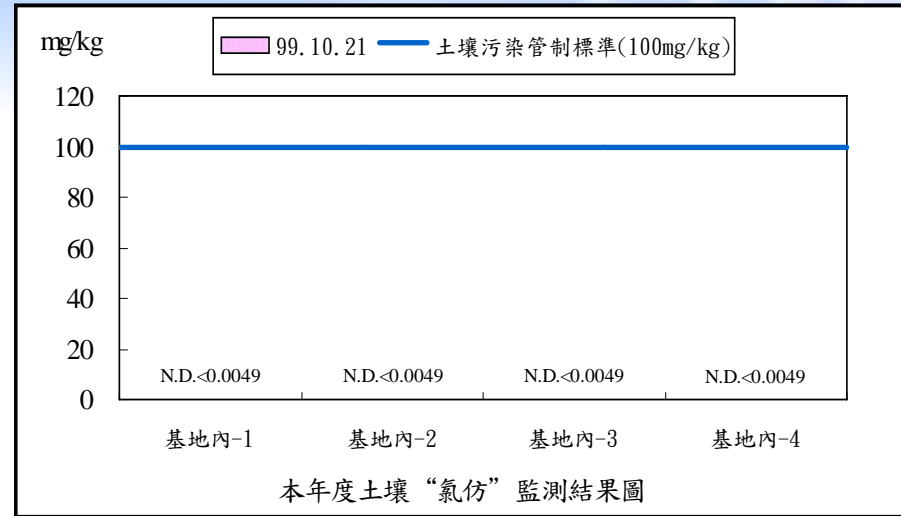
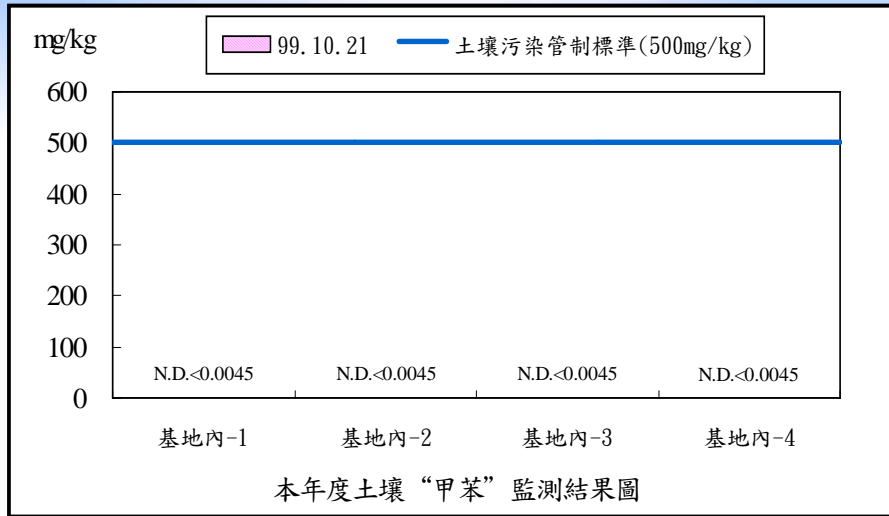
土壤



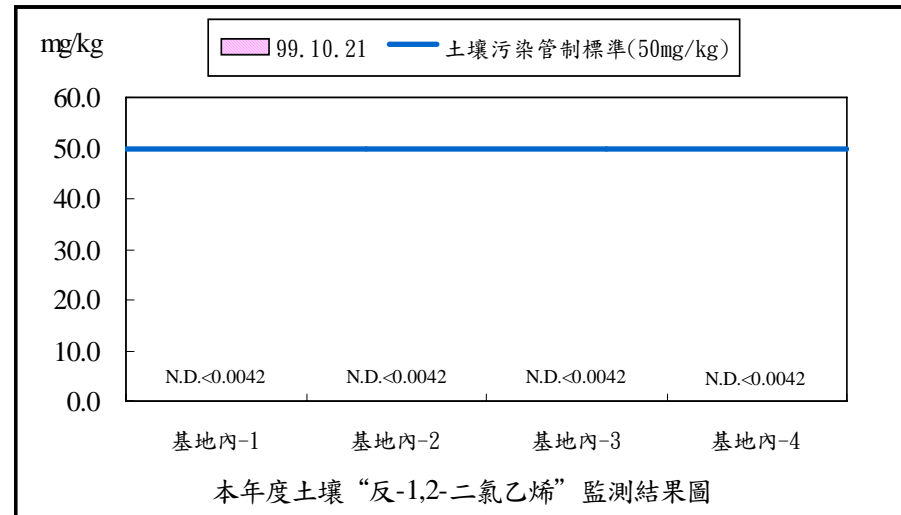
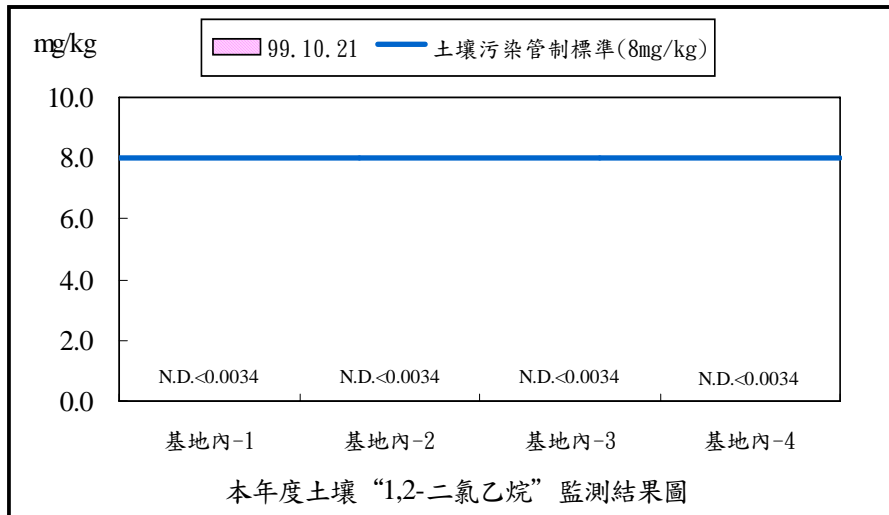
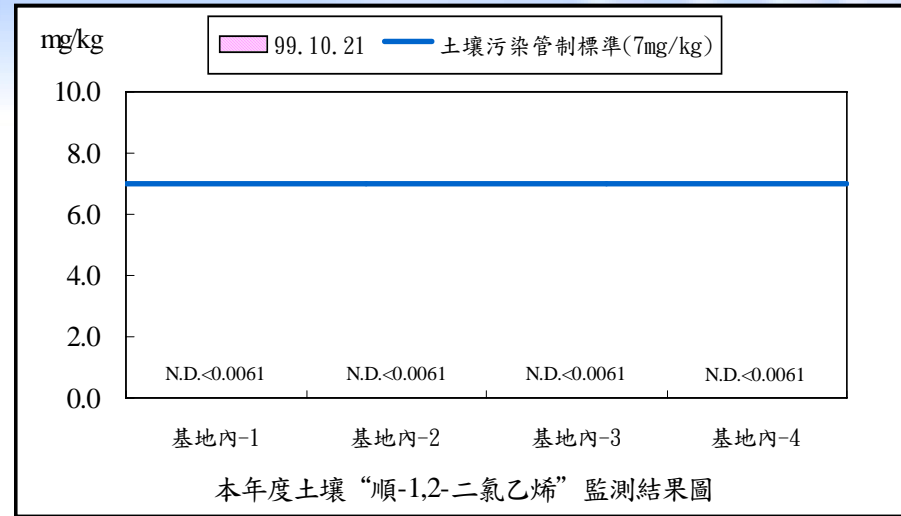
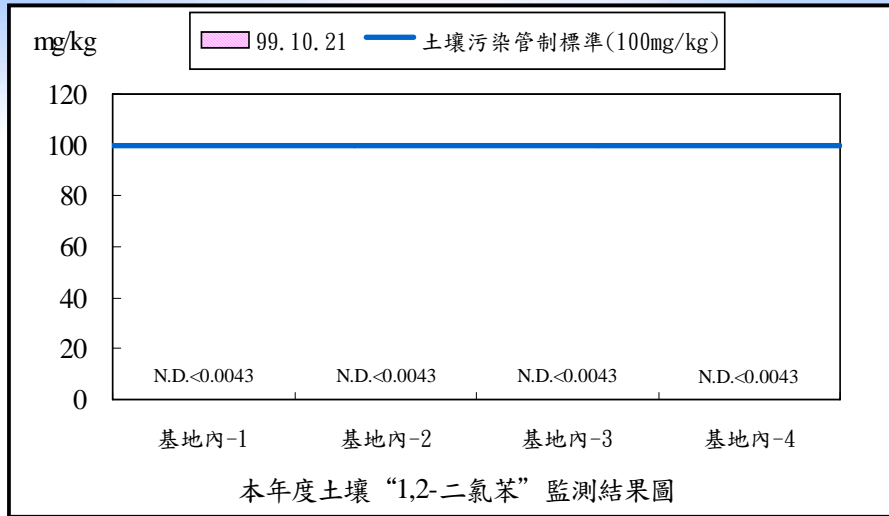
土壤



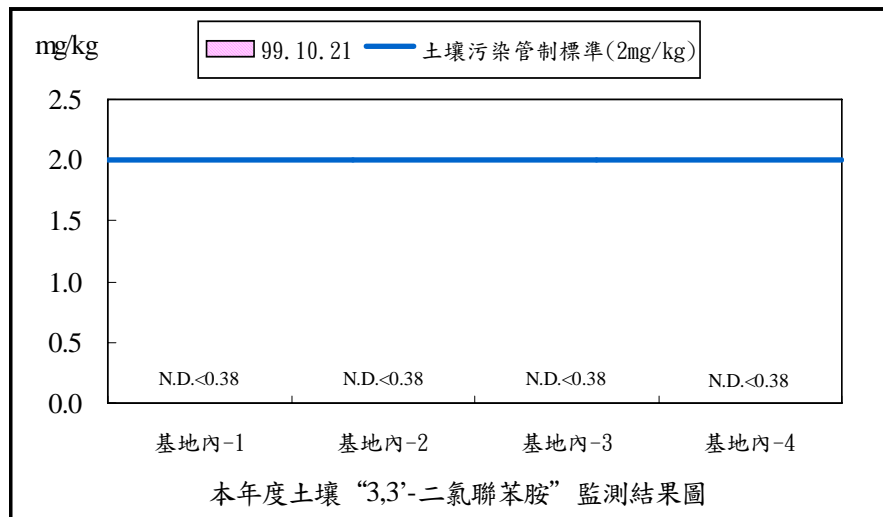
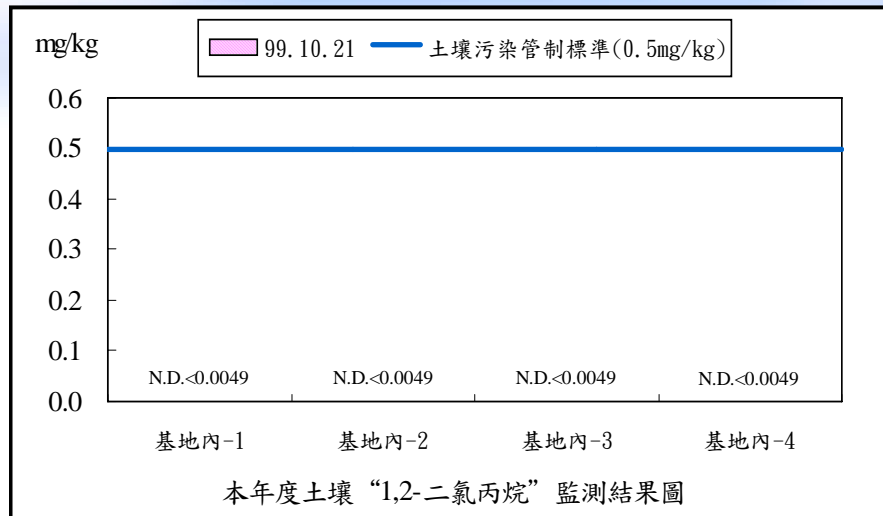
土壤



土壤



土壤



水域生態調查結果

- 99年07月調查結果
 - 魚類：4目8科12種
 - 底棲生物：2目4科9種
 - 水生昆蟲：未發現
 - 浮游性動物：3門10種
 - 浮游性藻類：3門9屬17種
 - 附著性藻類：3門10屬23種



萬歲大眼蟹



陳氏鰕鮎



台灣沼蝦

水域生態調查結果

- 99年09月調查結果
 - 魚類：3目6科12種
 - 底棲生物：2目6科12種
 - 水生昆蟲：未發現
 - 浮游性動物：3門10種
 - 浮游性藻類：3門9屬17種
 - 附著性藻類：3門11屬23種



清白招潮蟹



雷氏斑點鰕虎



刀額新對蝦

水域生態調查結果

- 99年11月調查結果
 - 魚類：3目6科15種
 - 底棲生物：2目8科14種
 - 水生昆蟲：未發現
 - 浮游性動物：3門10種
 - 浮游性藻類：3門7屬12種
 - 附著性藻類：3門9屬20種



弧邊招潮蟹



彈塗魚



青斑細棘鰕虎

水域生態調查結果

- 100年01月調查結果
 - 魚類：4目8科14種
 - 底棲生物：2目7科11種
 - 水生昆蟲：未發現
 - 浮游性動物：2門5種
 - 浮游性藻類：3門7屬12種
 - 附著性藻類：3門9屬18種



陳氏鰍鮒



雙鬚叉舌鰕虎



台灣沼蝦

水域生態調查結果

- 100年03月調查結果
 - 魚類：4目8科17種
 - 底棲生物：2目8科13種
 - 水生昆蟲：未發現
 - 浮游性動物：2門8種
 - 浮游性藻類：3門7屬14種
 - 附著性藻類：3門9屬20種



前鱗鯪



台灣沼蝦



清白招潮蟹

水域生態調查結果

- 100年05月調查結果
 - 魚類：4目8科21種
 - 底棲生物：2目8科12種
 - 水生昆蟲：未發現
 - 浮游性動物：2門8種
 - 浮游性藻類：3門7屬15種
 - 附著性藻類：3門10屬21種



短斑臥齒鯊



弧邊招潮蟹



無刺槍蝦

簡報結束 敬請指教

