



Physical & Chemical Tests Record Sheet

(To be completed monthly)

| Site Name: <u>PAKO SWAMP</u> | | Site Code: <u>PAK001</u> | |
|---|--|---|--|
| Name of Monitoring Group: <u>CVA</u> | | | |
| Person(s) Conducting the test: <u>C. GRANT</u> | | | |
| Date of test: <u>18 5 23</u> | | Time of test: <u>13 53</u> am/pm | |
| Site Risk Assessment Completed: <input type="checkbox"/> signature please: Site risk and management assessment at rear of book. Please note circumstantial hazards and additional risks in the box below | | | |
| Test | Result (units) | Calculations, dilutions and comments | |
| Dissolved Oxygen | <u>1.2</u> mg/L <u>170</u> % sat. | | |
| Water Temperature | <u>12</u> °C | | |
| Air Temperature | <u>16</u> °C | | |
| pH | Meter calibrated to <input type="checkbox"/> pH 7 & <input type="checkbox"/> pH 10 <u>60</u> pH units | | |
| Electrical Conductivity (Salinity) | Meter calibrated to <input type="checkbox"/> 1413, <input type="checkbox"/> 2,000 or <input type="checkbox"/> 12,880EC <u>142</u> EC units μS/cm. | | |
| Reactive Phosphorus | <u>NA</u> mg/L P | <u>No test available</u> | |
| Turbidity | <u>55</u> N.T.U./F.T.U. | | |
| Weather conditions at the time of sampling: | | | |
| <input checked="" type="checkbox"/> sunny <input type="checkbox"/> cloudy <input type="checkbox"/> overcast <input type="checkbox"/> raining <input type="checkbox"/> windy | | | |
| Rainfall: | | | |
| Last rainfall: <input type="checkbox"/> More than week ago <input checked="" type="checkbox"/> During the last week <input type="checkbox"/> During the last 24 hours <input type="checkbox"/> Raining now | | | |
| Amount of rain (mm) <u>18</u> | | | |
| Water flow | | Water appearance | |
| Flow indicator (if available) _____ ML/day | | | |
| Estimate of flow <input type="checkbox"/> Not flowing (still) | | <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Milky <input type="checkbox"/> Foamy /frothy | |
| <input type="checkbox"/> Not flowing (pool) <input type="checkbox"/> Low (minimum) | | <input type="checkbox"/> Muddy <input type="checkbox"/> Smelly <input type="checkbox"/> Stained green | |
| <input type="checkbox"/> Medium (average) <input type="checkbox"/> High (but below bankfull) | | <input type="checkbox"/> Scummy <input type="checkbox"/> Oily <input type="checkbox"/> Stained brown | |
| <input type="checkbox"/> Flood (over bank) <input type="checkbox"/> Permanent (lakes & wetlands) | | <input type="checkbox"/> Other (description) | |
| Stream depth | | | |
| Depth indicator _____ m <input checked="" type="checkbox"/> 0 - 50 cm deep <input type="checkbox"/> 51cm-1m deep <input type="checkbox"/> 1 to 2 m deep <input type="checkbox"/> Unknown depth | | | |
| Stream width | | | |
| Average width of stream: _____ m <input type="checkbox"/> < 2 m wide <input type="checkbox"/> 2 to 5 m wide <input type="checkbox"/> >5 m wide | | | |
| Drain present at site: <input type="checkbox"/> no <input type="checkbox"/> yes Water flowing from drain: <input type="checkbox"/> yes Color _____ Odour _____ | | | |
| Litter pollutants: (Tick type found) | | | |
| <input type="checkbox"/> paper <input type="checkbox"/> bottles | | <input type="checkbox"/> plastic <input type="checkbox"/> clothing <input type="checkbox"/> car bodies | |
| <input type="checkbox"/> packets <input type="checkbox"/> cans | | <input type="checkbox"/> polystyrene <input type="checkbox"/> oil <input type="checkbox"/> petrol/diesel | |
| | | <input type="checkbox"/> waxed cardboard <input type="checkbox"/> other | |
| Circumstantial hazards and additional risks | | Waterwatch Data Management System: Data entry | |
| Hazard: | Risk: | Person entering site visit information | |
| Risk Control Measures: | | Date of entry | |
| | | Site visit approved by Coordinator (initial and date) | |

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that this is crucial for ensuring transparency and accountability in the organization's operations.

2. The second part of the document outlines the various methods and tools used to collect and analyze data. It highlights the need for consistent data collection procedures and the use of advanced analytical techniques to derive meaningful insights from the data.

3. The third part of the document focuses on the role of technology in data management and analysis. It discusses how modern software solutions can streamline data collection, storage, and processing, thereby improving efficiency and accuracy.

4. The fourth part of the document addresses the challenges associated with data management, such as data quality, security, and privacy. It provides strategies to mitigate these risks and ensure that the data remains reliable and secure throughout its lifecycle.

5. The fifth part of the document concludes by summarizing the key findings and recommendations. It stresses the importance of a data-driven approach in decision-making and the need for continuous monitoring and improvement of the data management process.